

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063191.D
 Acq On : 29 Jul 2019 10:47
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 30 02:21:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 02:15:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1139035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1504473	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1237176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	619391	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	49008	3.88	ug/l	0.00
Spiked Amount			Recovery	=	7.76%	
35) Dibromofluoromethane	6.92	113	52809	4.11	ug/l	0.00
Spiked Amount			Recovery	=	8.22%	
50) Toluene-d8	10.40	98	117660	4.09	ug/l	0.00
Spiked Amount			Recovery	=	8.18%	
62) 4-Bromofluorobenzene	13.55	95	61374	4.69	ug/l	0.00
Spiked Amount			Recovery	=	9.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	67783	4.865	ug/l	94
3) Chloromethane	1.74	50	53346	4.930	ug/l	95
4) Vinyl Chloride	1.84	62	53822	4.806	ug/l	93
5) Bromomethane	2.14	94	32364	5.730	ug/l #	76
6) Chloroethane	2.26	64	26773	5.178	ug/l	98
7) Trichlorofluoromethane	2.52	101	109066	5.020	ug/l	89
8) Diethyl Ether	2.85	74	13825	4.547	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	58076	4.826	ug/l	89
10) Methyl Iodide	3.29	142	65259	3.754	ug/l	97
11) Tert butyl alcohol	4.06	59	15725	28.192	ug/l	96
12) 1,1-Dichloroethene	3.11	96	44338	5.019	ug/l	79
13) Acrolein	3.02	56	12269	22.985	ug/l #	55
14) Allyl chloride	3.61	41	67646	4.804	ug/l #	96
15) Acrylonitrile	4.18	53	30959	21.530	ug/l	96
16) Acetone	3.21	43	57430	23.322	ug/l #	91
17) Carbon Disulfide	3.35	76	136109	4.603	ug/l	99
18) Methyl Acetate	3.63	43	22633	4.785	ug/l	95
19) Methyl tert-butyl Ether	4.22	73	89167	4.468	ug/l #	89
20) Methylene Chloride	3.79	84	48598	4.882	ug/l	92
21) trans-1,2-Dichloroethene	4.20	96	46967	4.738	ug/l	88
22) Diisopropyl ether	5.11	45	121998	4.334	ug/l	95
23) Vinyl Acetate	5.05	43	360071	20.832	ug/l	98
24) 1,1-Dichloroethane	4.97	63	77696	4.326	ug/l #	92
25) 2-Butanone	6.05	43	50078	20.264	ug/l	97
26) 2,2-Dichloropropane	6.01	77	90401	4.884	ug/l	89
27) cis-1,2-Dichloroethene	6.02	96	46980	4.420	ug/l	88
28) Bromochloromethane	6.44	49	25949	3.620	ug/l	95
29) Tetrahydrofuran	6.46	42	24060	20.563	ug/l	94
30) Chloroform	6.65	83	108194	4.854	ug/l	90
31) Cyclohexane	6.94	56	52552	4.668	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	107057	4.966	ug/l	90
36) 1,1-Dichloropropene	7.13	75	65642	4.781	ug/l #	87
37) Ethyl Acetate	6.17	43	33965	5.518	ug/l #	58
38) Carbon Tetrachloride	7.10	117	95097	4.601	ug/l	91

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 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Jul 30 02:21:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	57324	5.011	ug/l #	92
40) Benzene	7.44	78	138660	4.819	ug/l	97
41) Methacrylonitrile	6.43	41	35435	4.802	ug/l #	82
42) 1,2-Dichloroethane	7.57	62	67775	4.444	ug/l	97
43) Isopropyl Acetate	9.23	43	36062	4.577	ug/l #	93
44) Trichloroethene	8.53	130	58270	4.997	ug/l	93
45) 1,2-Dichloropropane	8.94	63	33531	4.584	ug/l #	85
46) Dibromomethane	9.05	93	29430	4.839	ug/l #	79
47) Bromodichloromethane	9.37	83	71655	4.622	ug/l	86
48) Methyl methacrylate	9.11	41	22877	4.477	ug/l	97
49) 1,4-Dioxane	9.06	88	3124	73.889	ug/l	91
51) 4-Methyl-2-Pentanone	10.29	43	116967	21.827	ug/l	93
52) Toluene	10.50	92	94734	4.950	ug/l	81
53) t-1,3-Dichloropropene	10.90	75	59982	4.488	ug/l	91
54) cis-1,3-Dichloropropene	10.03	75	61810	4.400	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	32039	4.957	ug/l	90
56) Ethyl methacrylate	11.04	69	29715	4.198	ug/l #	82
57) 1,3-Dichloropropane	11.41	76	47131	4.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	83414	22.648	ug/l	98
59) 2-Hexanone	11.53	43	84441	21.866	ug/l	90
60) Dibromochloromethane	11.67	129	54557	4.471	ug/l	94
61) 1,2-Dibromoethane	11.80	107	35743	4.481	ug/l	99
64) Tetrachloroethene	11.25	164	51883	5.264	ug/l #	84
65) Chlorobenzene	12.39	112	116423	4.892	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	49297	4.703	ug/l	86
67) Ethyl Benzene	12.52	91	200851	4.969	ug/l	92
68) m/p-Xylenes	12.67	106	143100	9.653	ug/l	98
69) o-Xylene	13.04	106	68722	5.048	ug/l	95
70) Styrene	13.07	104	113795	4.713	ug/l	97
71) Bromoform	13.23	173	34978	4.589	ug/l	93
73) Isopropylbenzene	13.40	105	201667	5.188	ug/l	98
74) N-amyl acetate	13.26	43	46652	4.539	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	29515	4.470	ug/l #	89
76) 1,2,3-Trichloropropane	13.73	75	33640	4.522	ug/l	100
77) Bromobenzene	13.67	156	54687	4.938	ug/l	77
78) n-propylbenzene	13.77	91	249864	5.401	ug/l	99
79) 2-Chlorotoluene	13.84	91	134680	5.024	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	174727	5.211	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	10116	4.897	ug/l #	81
82) 4-Chlorotoluene	13.95	91	157505	4.993	ug/l	96
83) tert-Butylbenzene	14.18	119	196949	5.144	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	179101	5.164	ug/l	92
85) sec-Butylbenzene	14.36	105	211023	5.232	ug/l	94
86) p-Isopropyltoluene	14.49	119	207996	5.403	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	108956	5.556	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	100957	5.091	ug/l	93
89) n-Butylbenzene	14.79	91	169502	5.098	ug/l	98
90) Hexachloroethane	15.01	117	50982	5.083	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	88168	5.160	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	7923	5.890	ug/l	92

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jul 30 02:21:06 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 02:15:48 2019
Response via : Initial Calibration

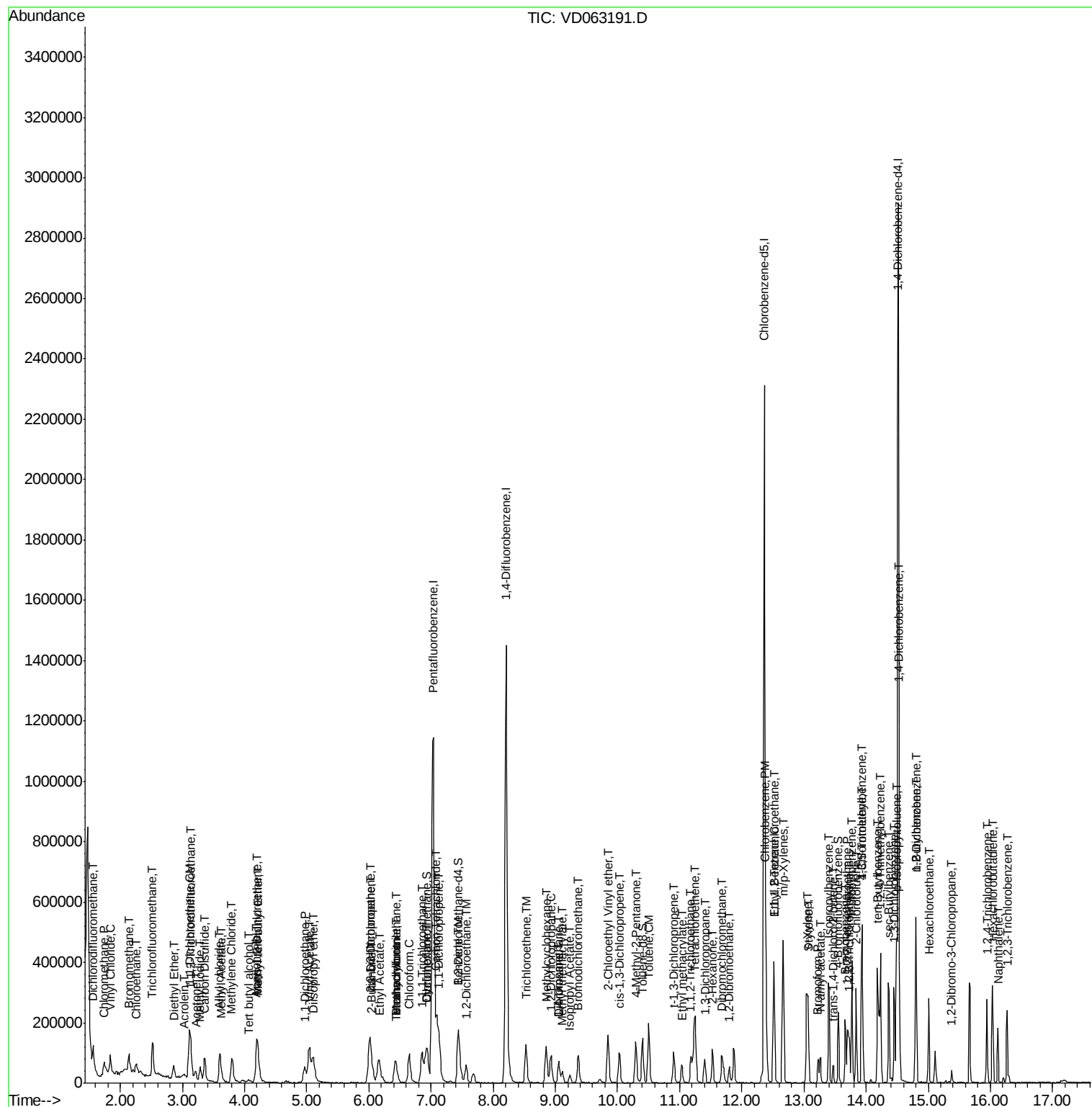
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	75719	5.586	ug/l	96
94) Hexachlorobutadiene	16.03	225	49921	5.082	ug/l	93
95) Naphthalene	16.12	128	104146	5.436	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	60210	5.623	ug/l	94

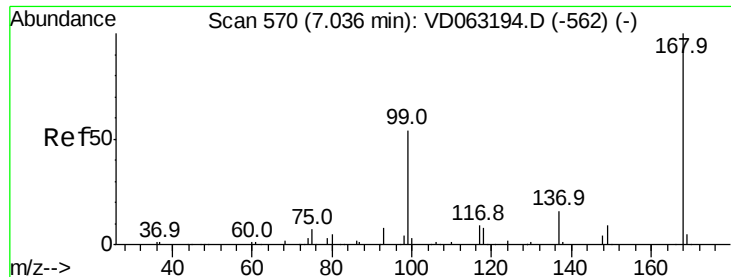
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063191.D
Acq On : 29 Jul 2019 10:47
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Quant Time: Jul 30 02:21:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 02:15:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

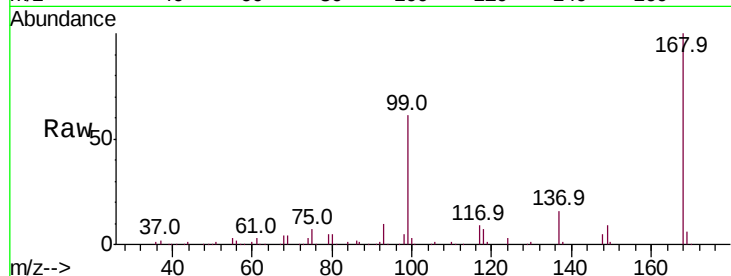
VSTDIC005

Tot Ion:168 Resp: 1139035

Ion Ratio Lower Upper

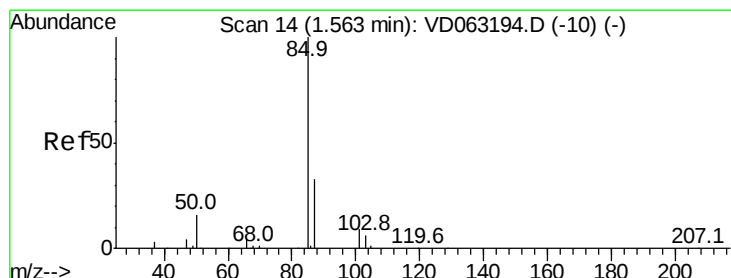
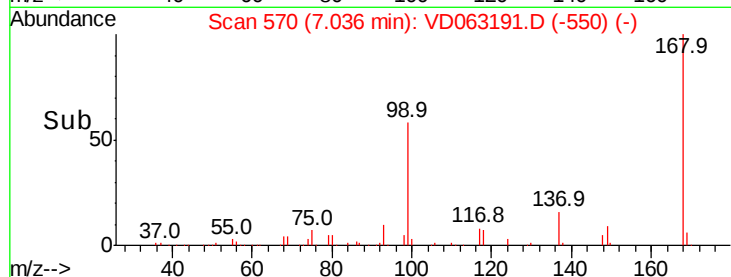
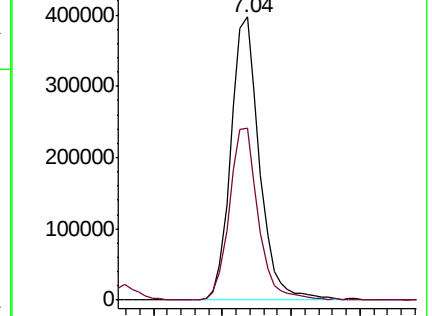
168 100

99 61.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 4.865 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063191.D

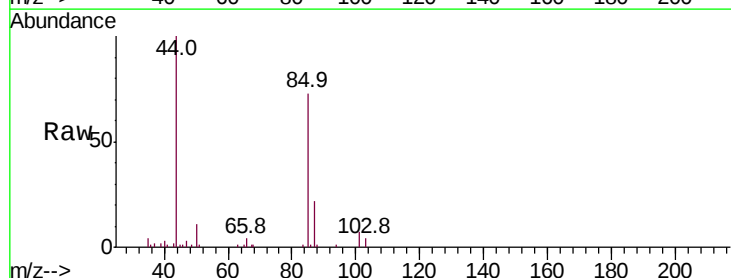
Acq: 29 Jul 2019 10:47

Tgt Ion: 85 Resp: 67783

Ion Ratio Lower Upper

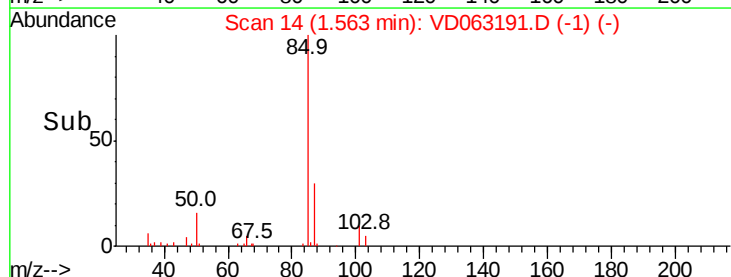
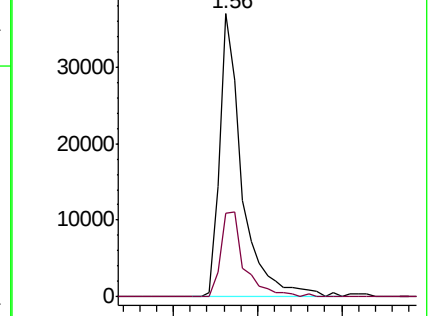
85 100

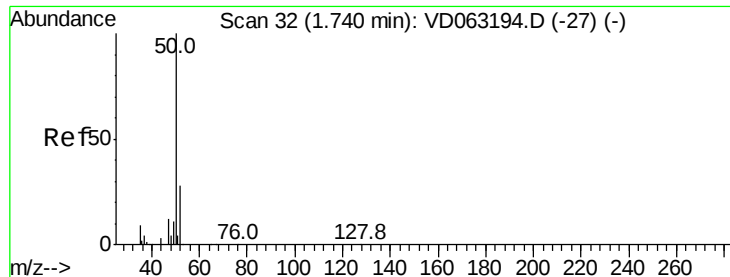
87 29.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 4.930 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

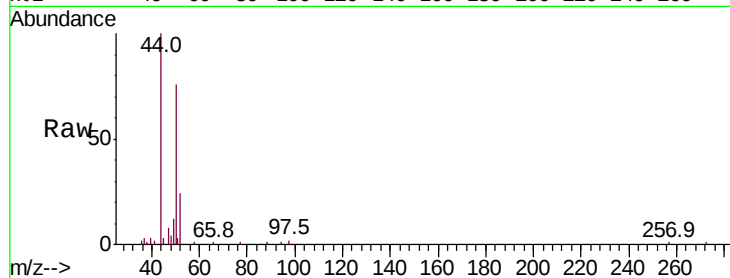
VSTDIC005

Tot Ion: 50 Resp: 53346

Ion Ratio Lower Upper

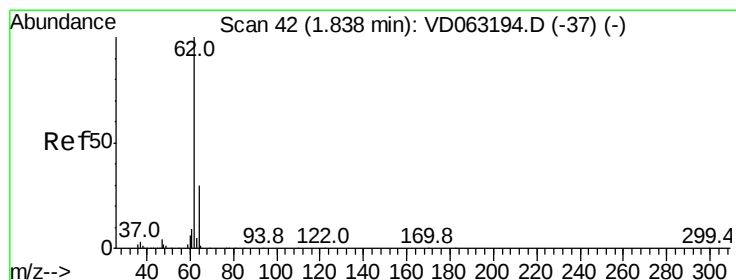
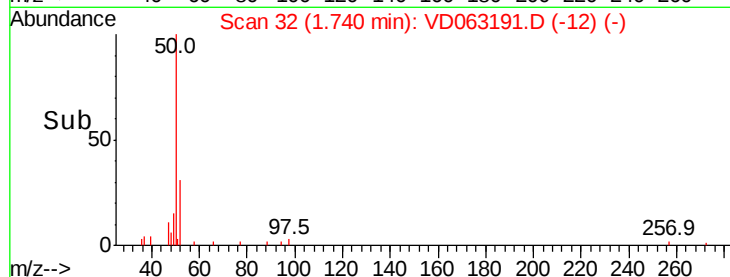
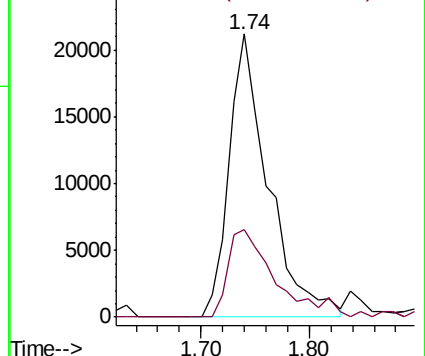
50 100

52 31.0 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.806 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063191.D

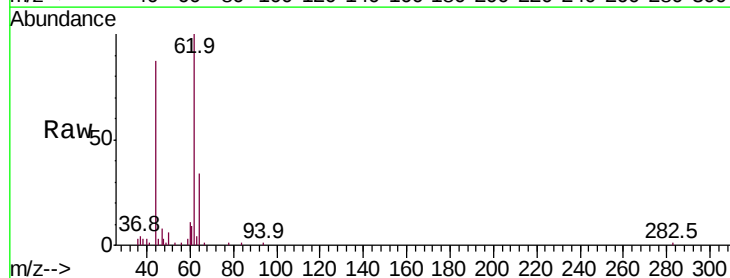
Acq: 29 Jul 2019 10:47

Tgt Ion: 62 Resp: 53822

Ion Ratio Lower Upper

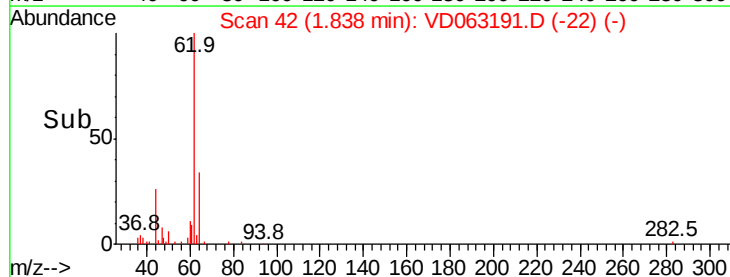
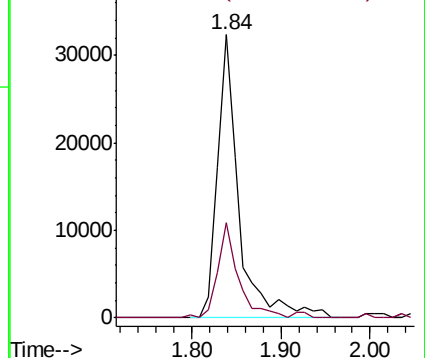
62 100

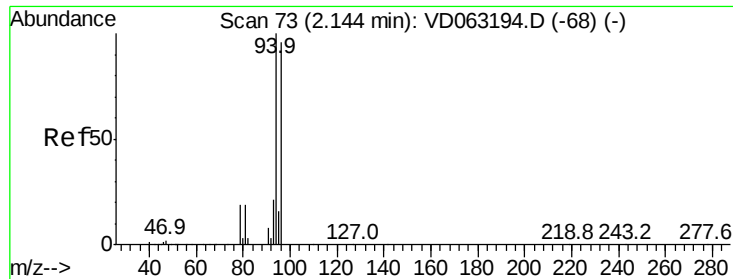
64 33.7 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.730 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

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ClientSampleId :

VSTDIC005

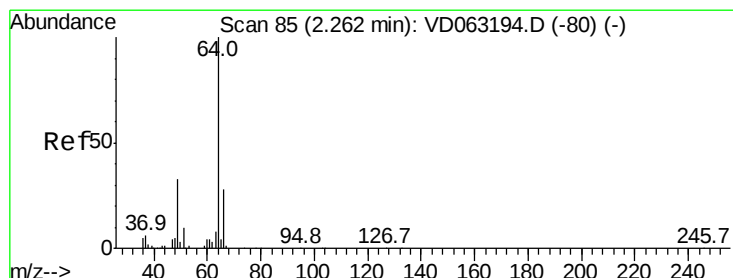
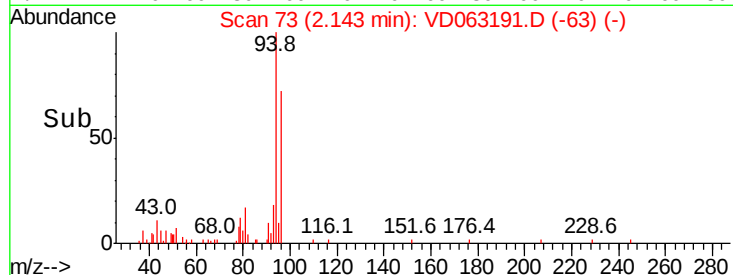
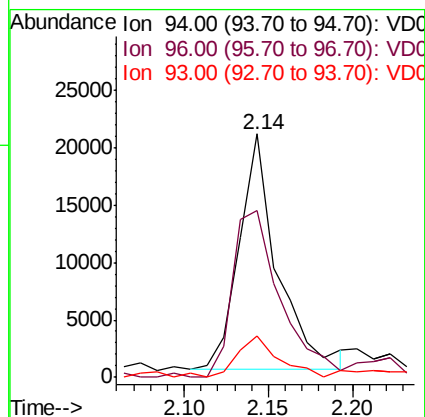
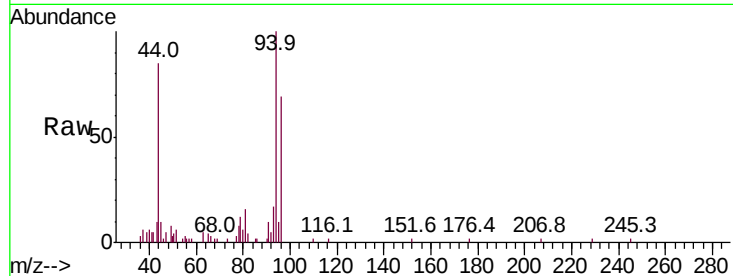
Tot Ion: 94 Resp: 32364

Ion Ratio Lower Upper

94 100

96 68.5 76.4 114.6#

93 16.8 17.3 25.9#



#6

Chloroethane

Concen: 5.178 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063191.D

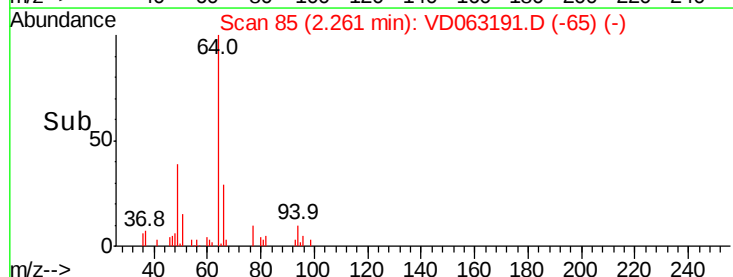
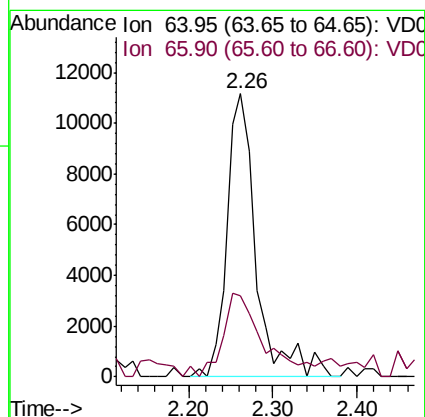
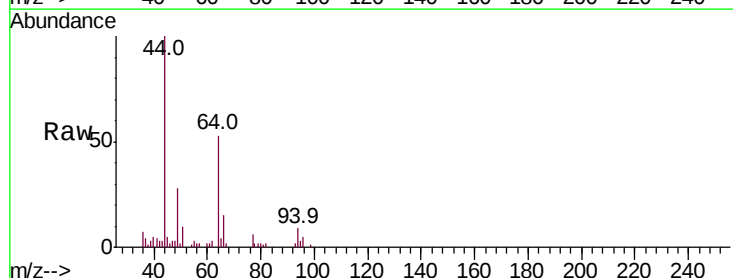
Acq: 29 Jul 2019 10:47

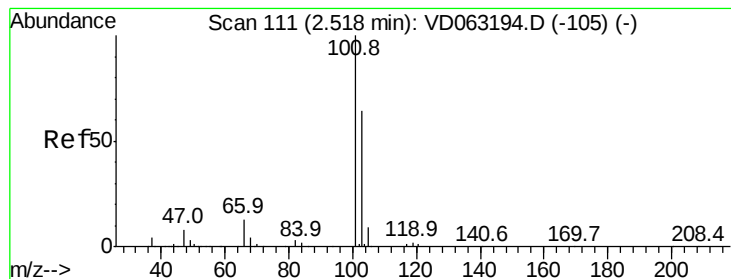
Tgt Ion: 64 Resp: 26773

Ion Ratio Lower Upper

64 100

66 28.5 22.2 33.2





#7

Trichlorofluoromethane

Concen: 5.020 ug/l

RT: 2.52 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

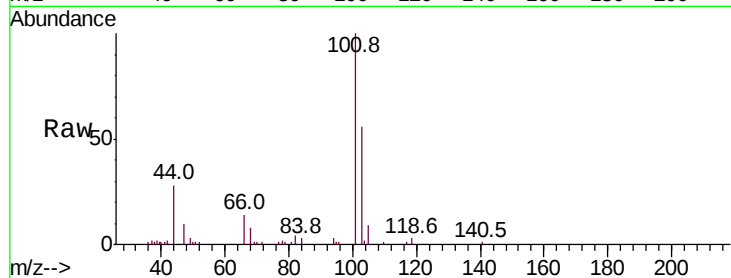
VSTDIC005

Tot Ion:101 Resp: 109066

Ion Ratio Lower Upper

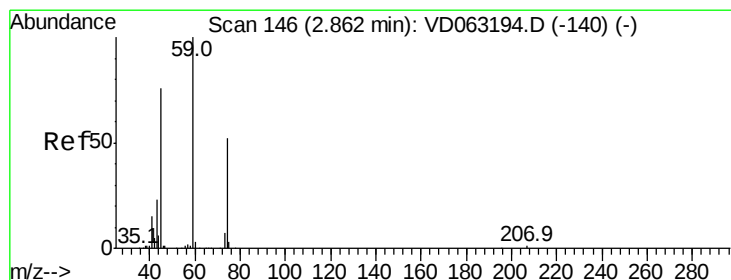
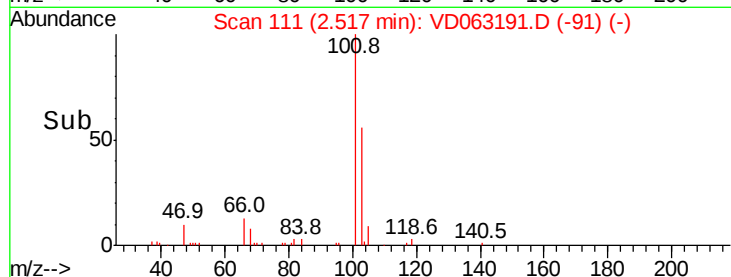
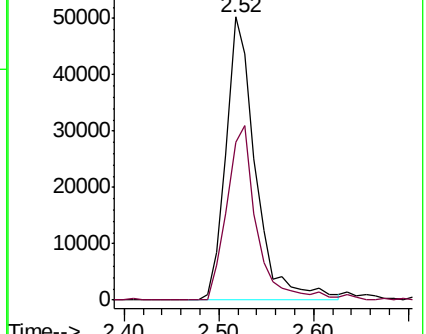
101 100

103 55.6 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 4.547 ug/l

RT: 2.85 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD063191.D

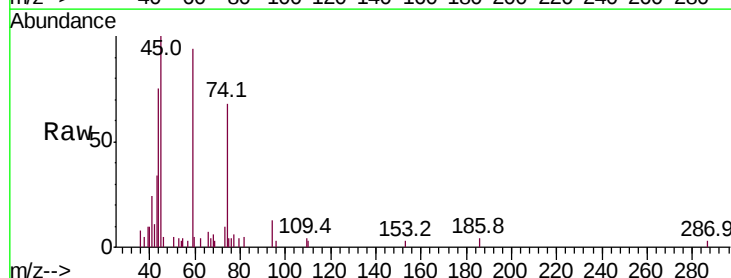
Acq: 29 Jul 2019 10:47

Tgt Ion: 74 Resp: 13825

Ion Ratio Lower Upper

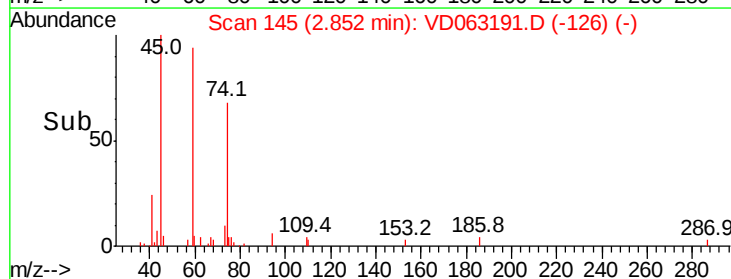
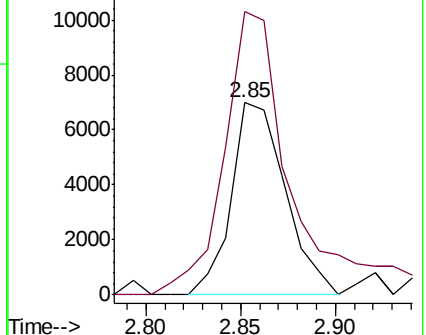
74 100

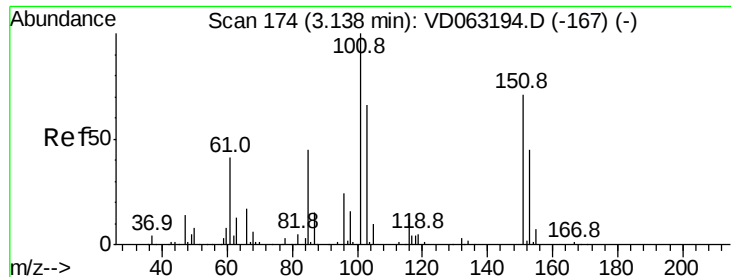
45 147.2 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.826 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

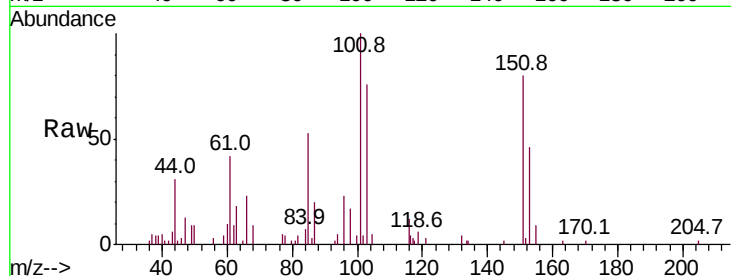
Tot Ion:101 Resp: 58076

Ion Ratio Lower Upper

101 100

85 53.1 36.1 54.1

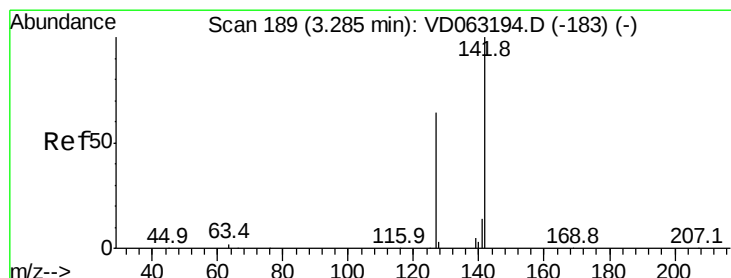
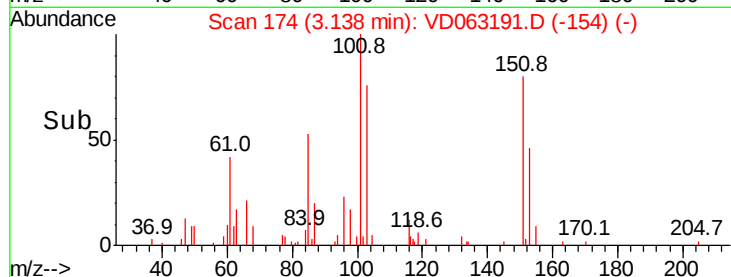
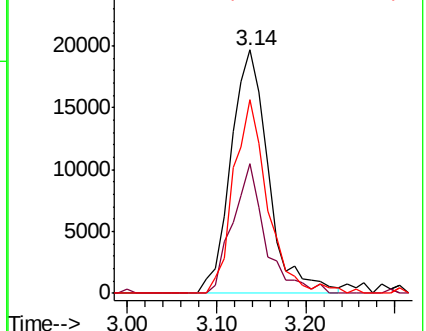
151 79.7 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 3.754 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

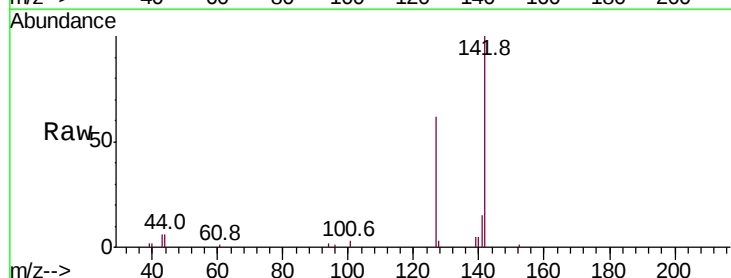
Tgt Ion:142 Resp: 65259

Ion Ratio Lower Upper

142 100

127 61.6 50.8 76.2

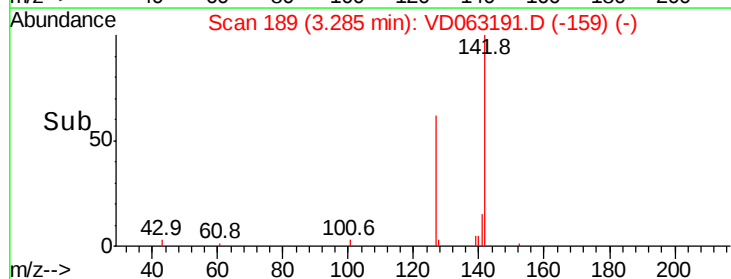
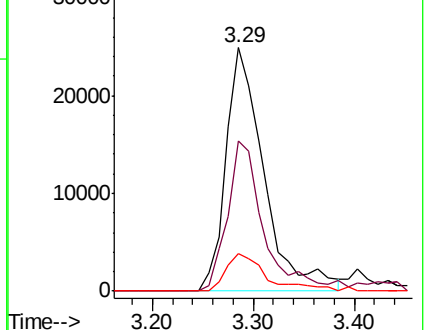
141 15.5 11.4 17.2

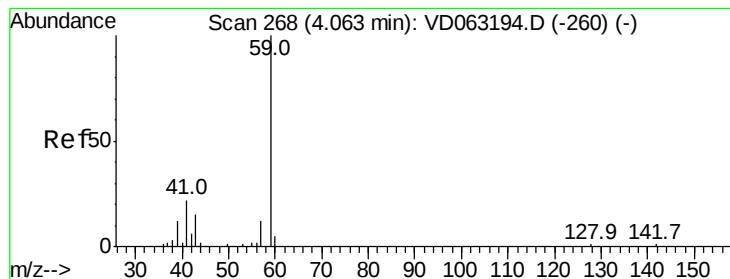


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



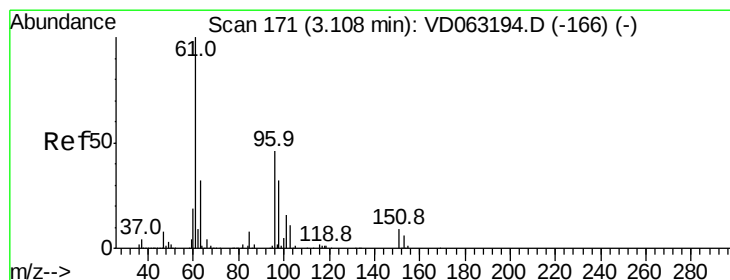
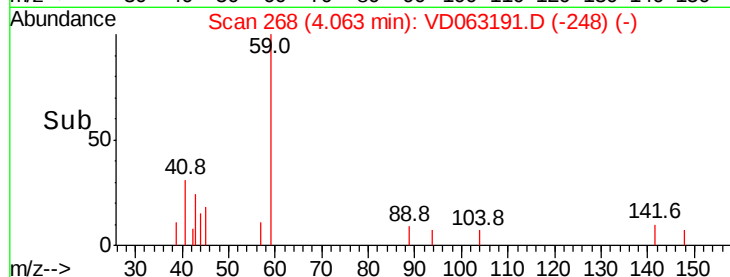
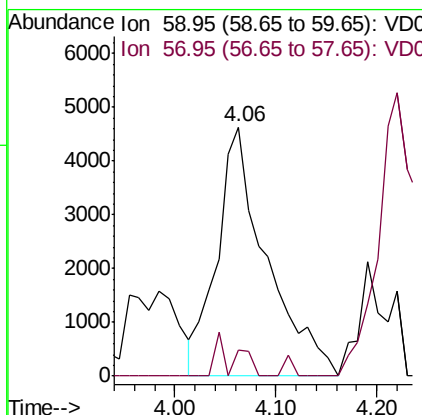
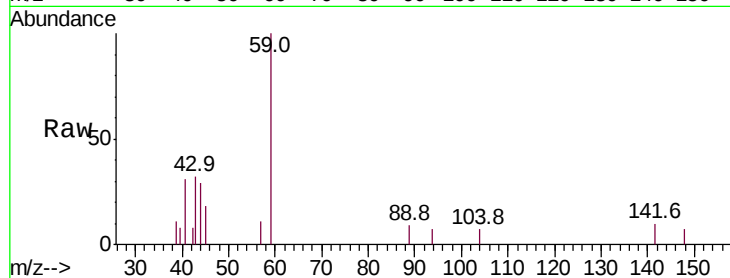


#11

Tert butyl alcohol
Concen: 28.192 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

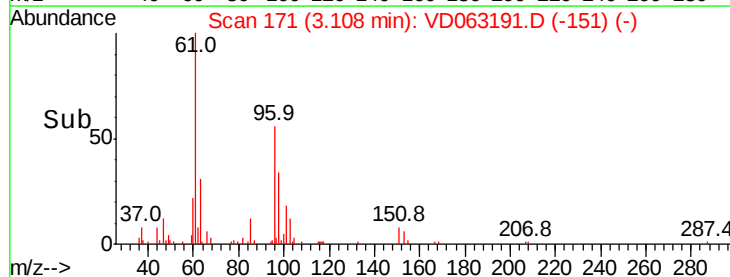
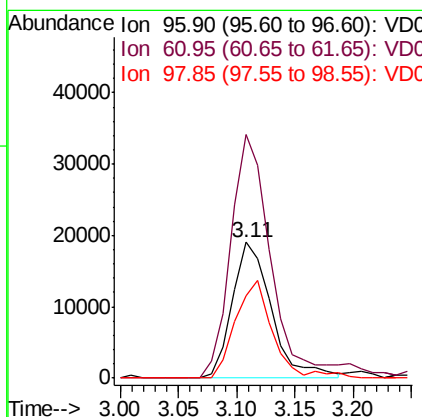
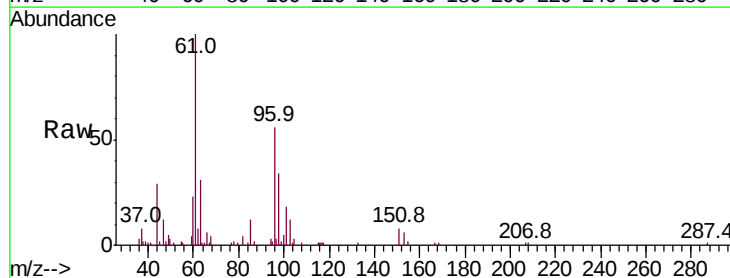
Tot Ion: 59 Resp: 15725
Ion Ratio Lower Upper
59 100
57 10.6 9.6 14.4

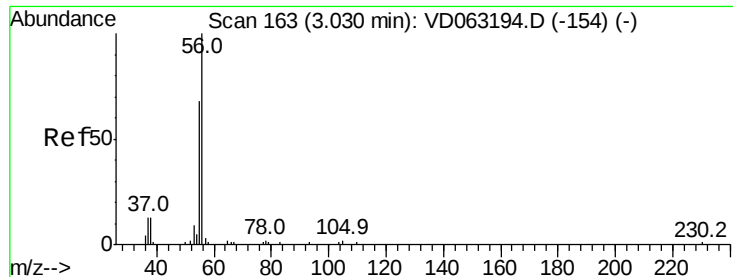


#12

1,1-Dichloroethene
Concen: 5.019 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion: 96 Resp: 44338
Ion Ratio Lower Upper
96 100
61 179.5 173.7 260.5
98 60.5 55.8 83.8





#13

Acrolein

Concen: 22.985 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

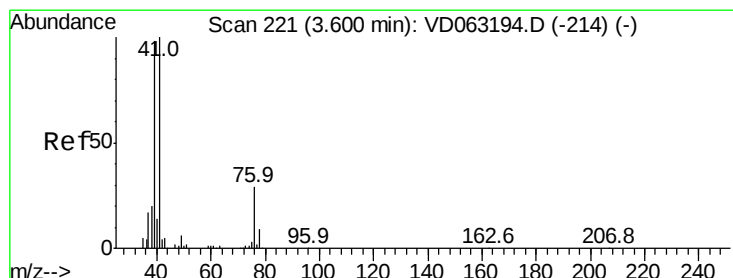
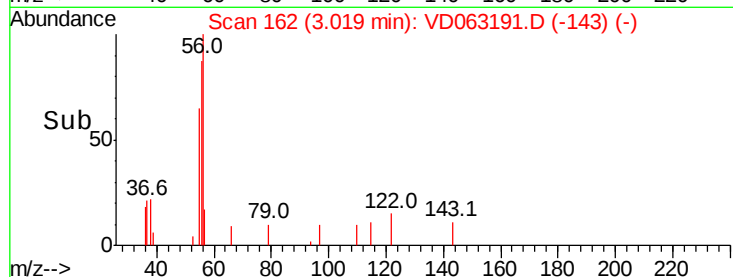
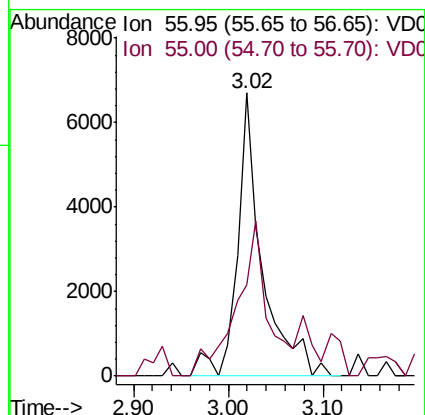
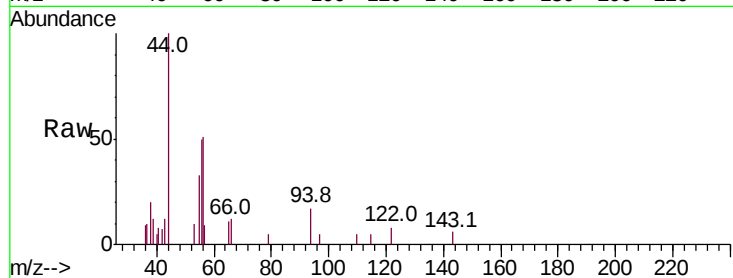
VSTDIC005

Tot Ion: 56 Resp: 12269

Ion Ratio Lower Upper

56 100

55 32.4 55.3 82.9#



#14

Allyl chloride

Concen: 4.804 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

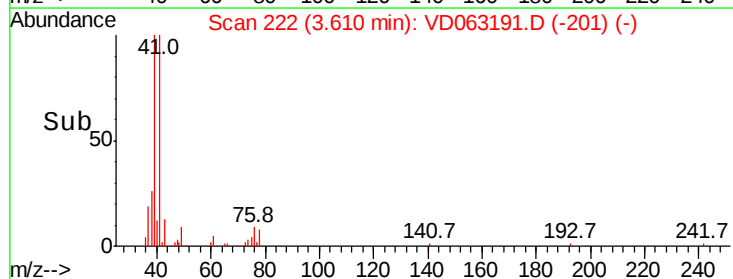
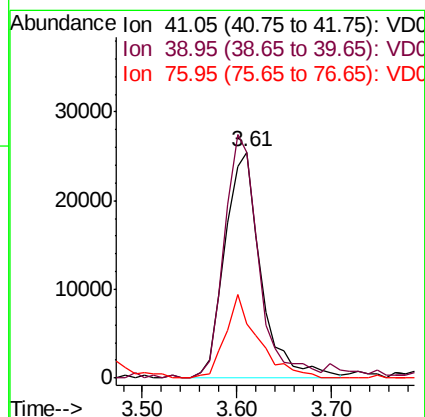
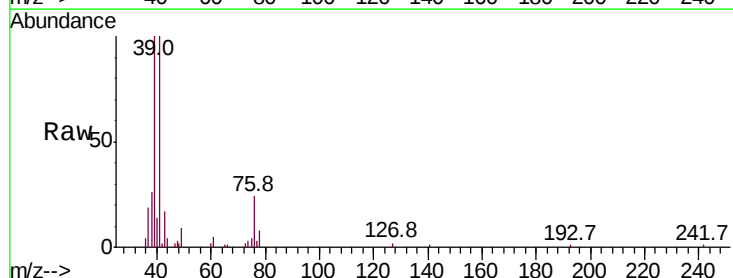
Tgt Ion: 41 Resp: 67646

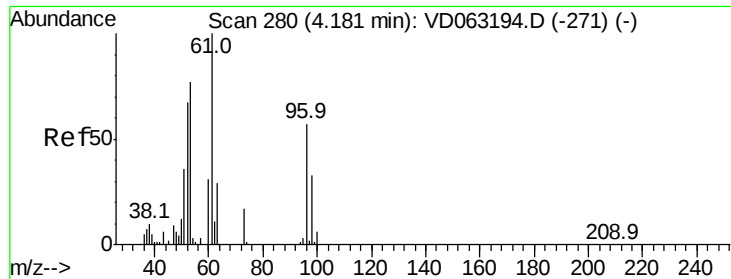
Ion Ratio Lower Upper

41 100

39 97.5 78.6 117.8

76 23.2 24.5 36.7#





#15

Acrylonitrile

Concen: 21.530 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

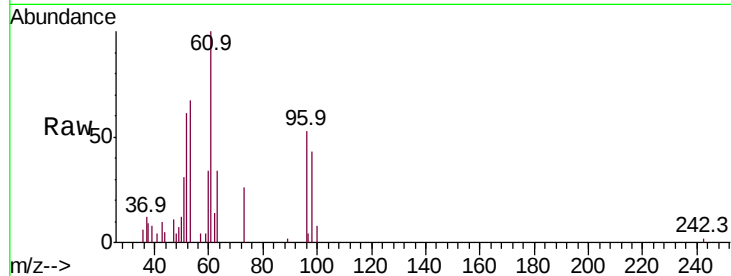
Tot Ion: 53 Resp: 30959

Ion Ratio Lower Upper

53 100

52 92.0 69.7 104.5

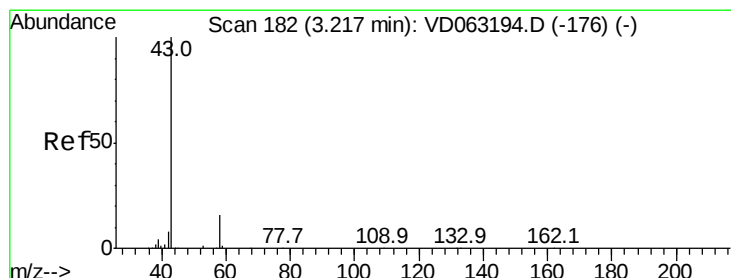
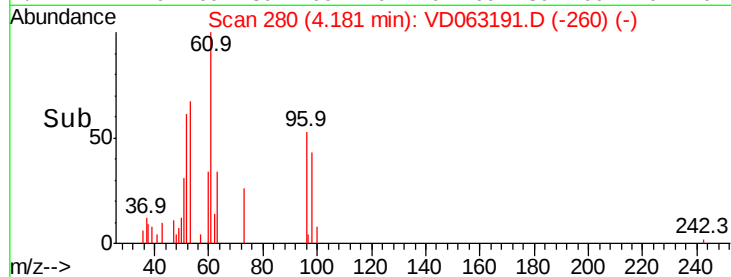
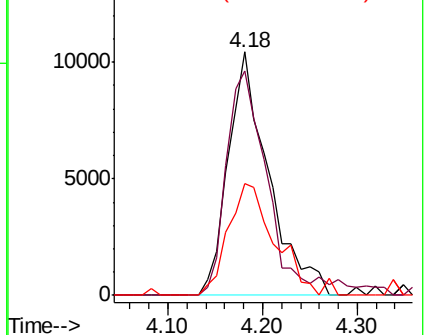
51 45.8 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 23.322 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063191.D

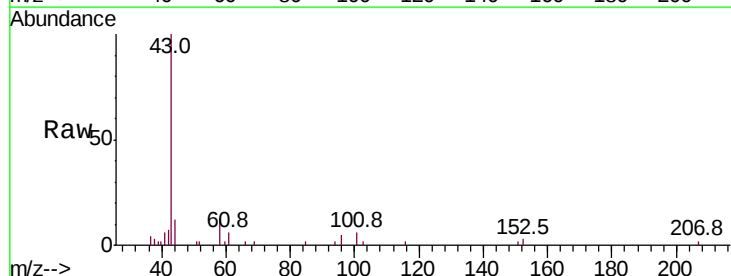
Acq: 29 Jul 2019 10:47

Tgt Ion: 43 Resp: 57430

Ion Ratio Lower Upper

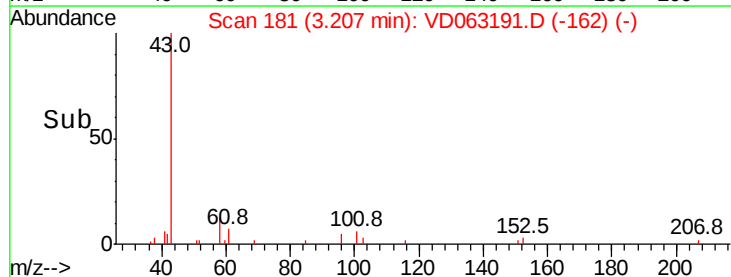
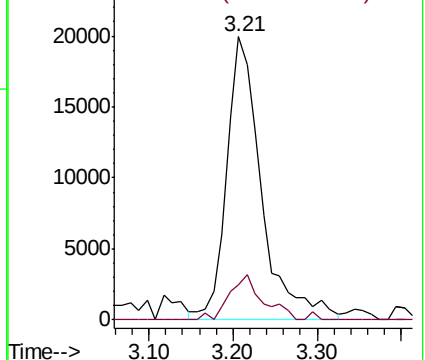
43 100

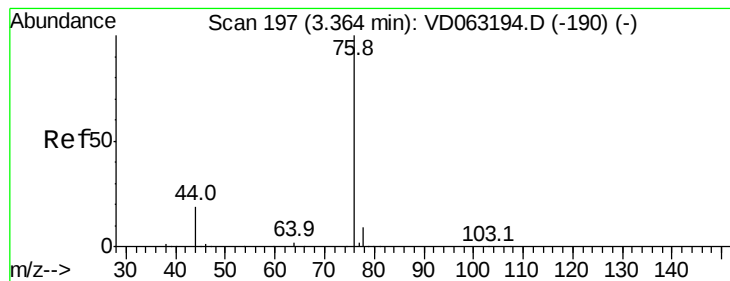
58 12.6 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 4.603 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

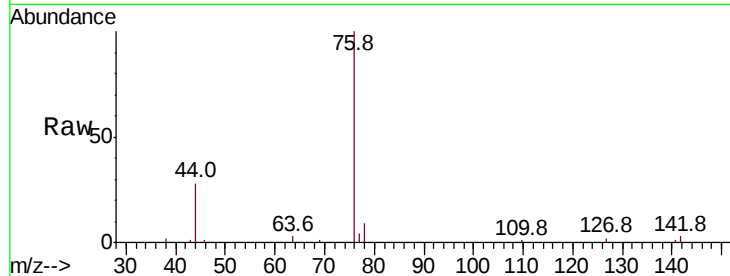
VSTDIC005

Tot Ion: 76 Resp: 136109

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.35

60000

50000

40000

30000

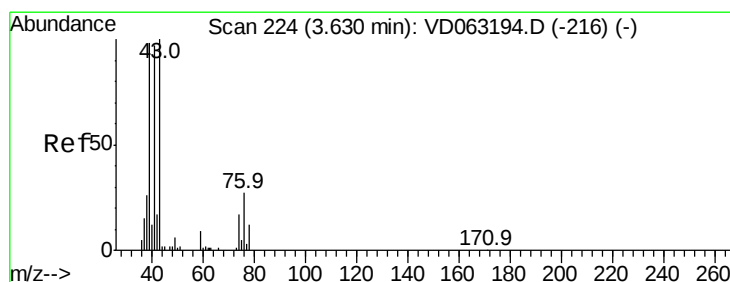
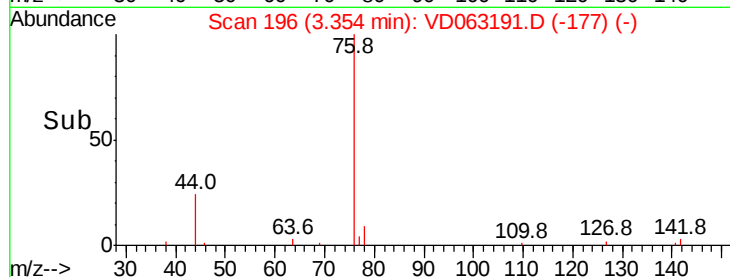
20000

10000

0

Time-->

3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 4.785 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063191.D

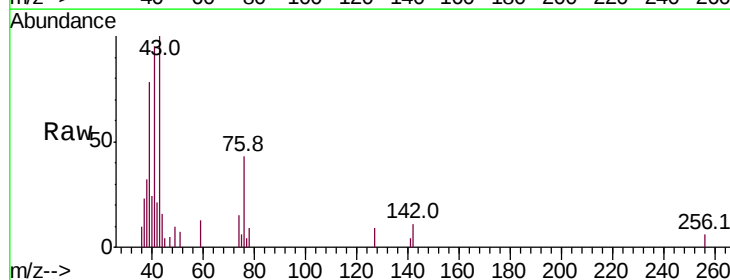
Acq: 29 Jul 2019 10:47

Tgt Ion: 43 Resp: 22633

Ion Ratio Lower Upper

43 100

74 15.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.63

8000

6000

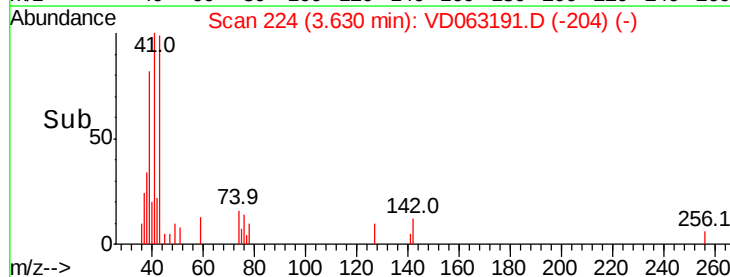
4000

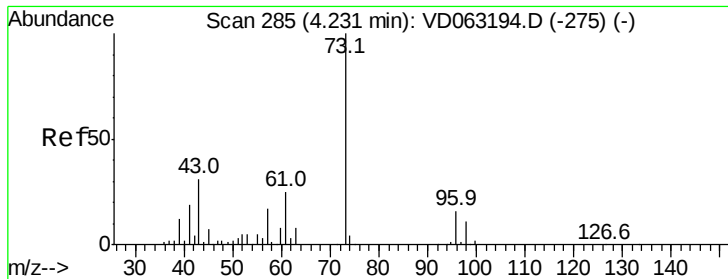
2000

0

Time-->

3.50 3.60 3.70

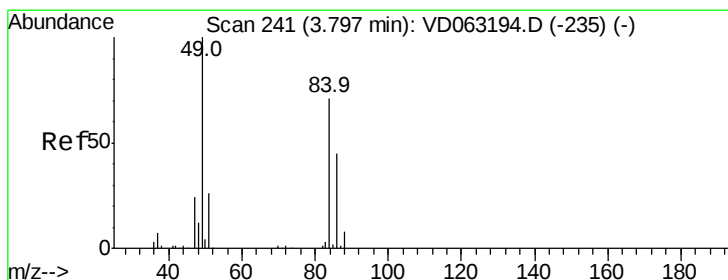
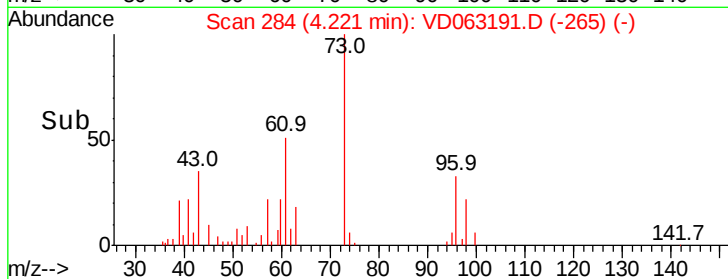
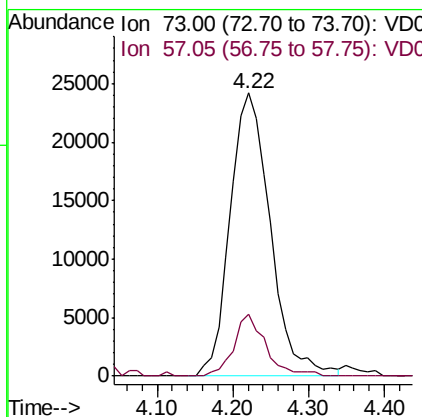
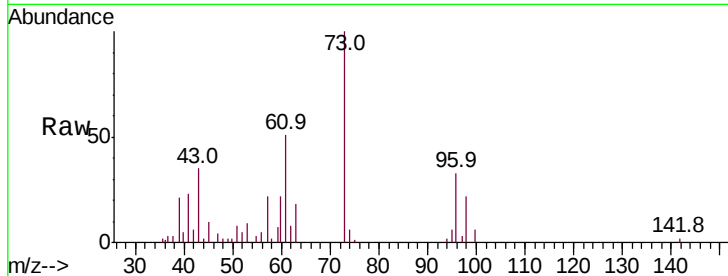




#19
Methvl tert-butvl Ether
Concen: 4.468 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

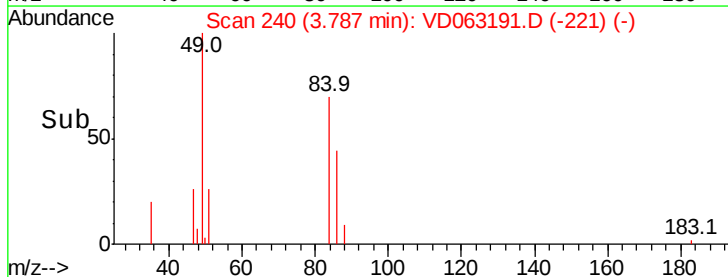
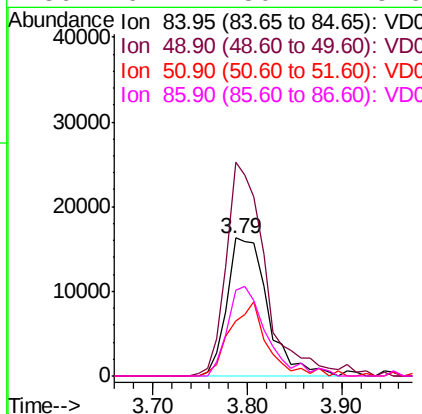
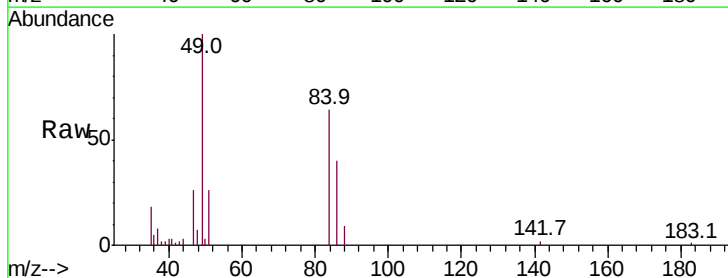
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

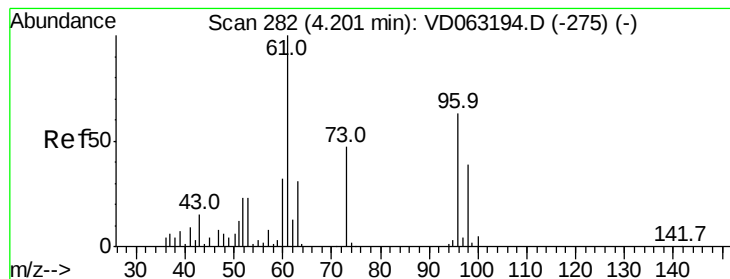
Tot Ion: 73 Resp: 89167
Ion Ratio Lower Upper
73 100
57 21.8 13.8 20.6#



#20
Methylene Chloride
Concen: 4.882 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion: 84 Resp: 48598
Ion Ratio Lower Upper
84 100
49 155.1 112.5 168.7
51 40.3 29.6 44.4
86 62.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 4.738 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

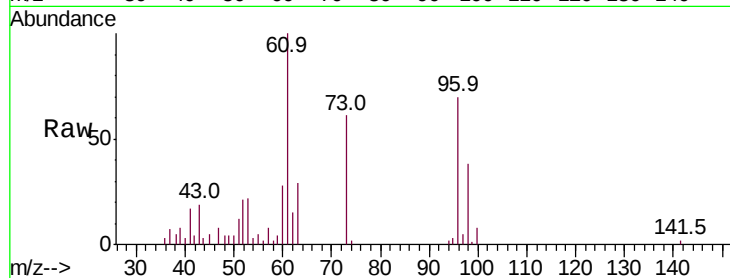
Tot Ion: 96 Resp: 46967

Ion Ratio Lower Upper

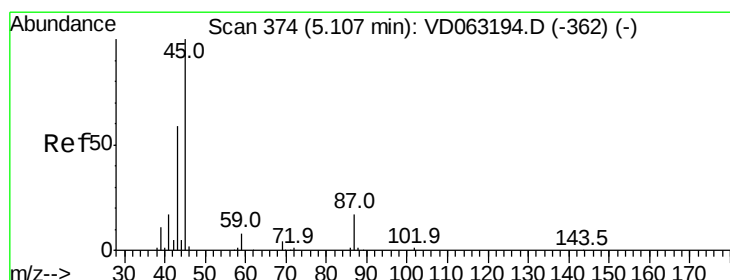
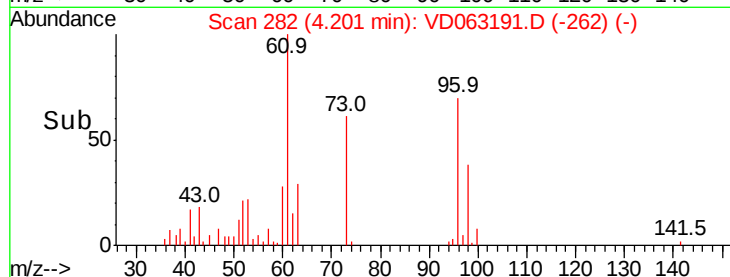
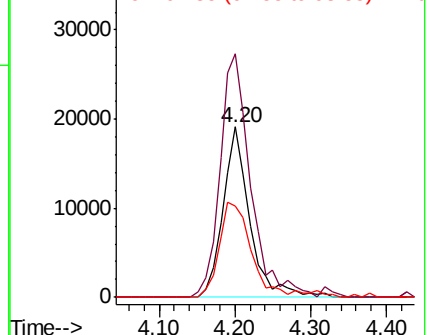
96 100

61 143.1 127.4 191.2

98 53.8 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 4.334 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Tgt Ion: 45 Resp: 121998

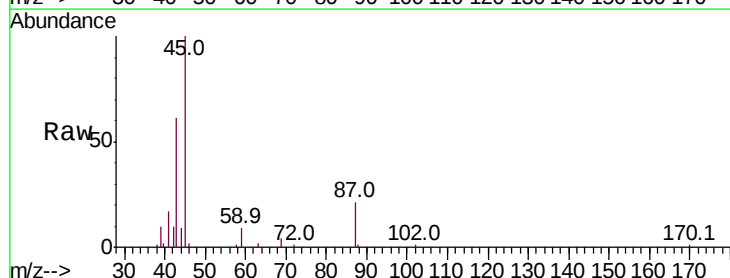
Ion Ratio Lower Upper

45 100

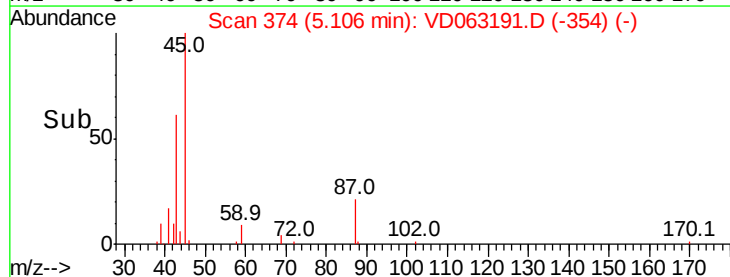
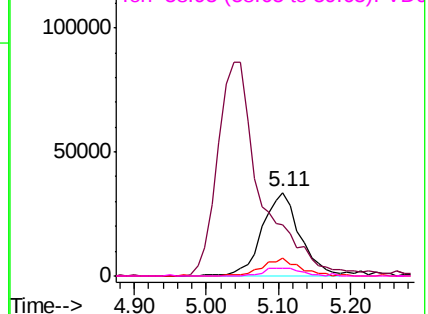
43 60.9 51.7 77.5

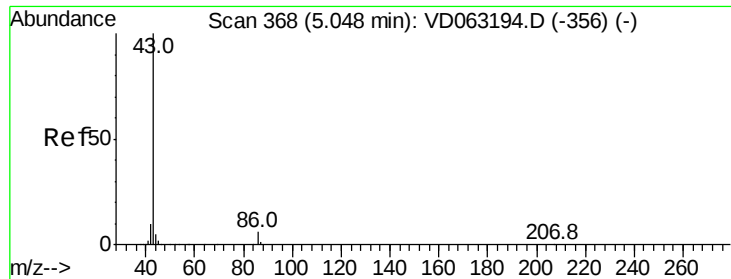
87 21.1 14.6 21.8

59 9.3 6.6 10.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 20.832 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

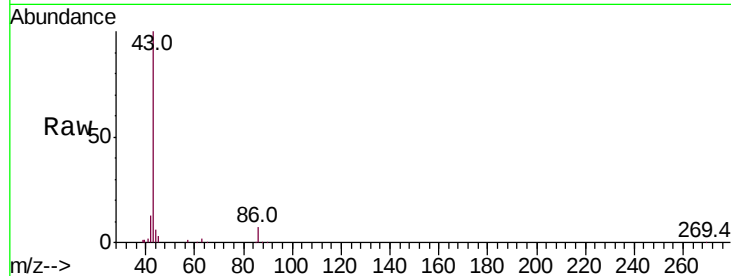
VSTDIC005

Tot Ion: 43 Resp: 360071

Ion Ratio Lower Upper

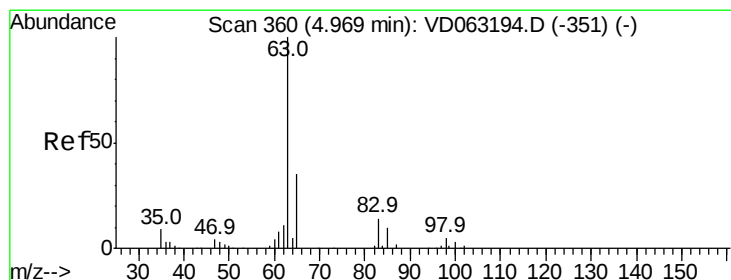
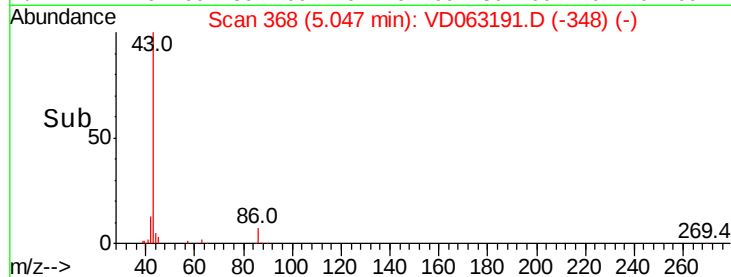
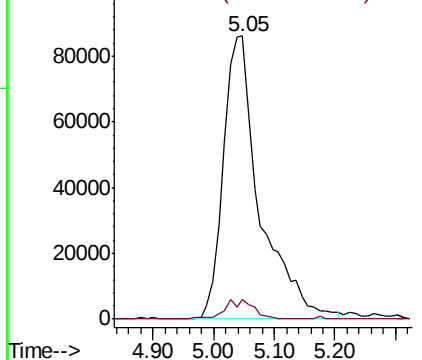
43 100

86 6.9 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.326 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

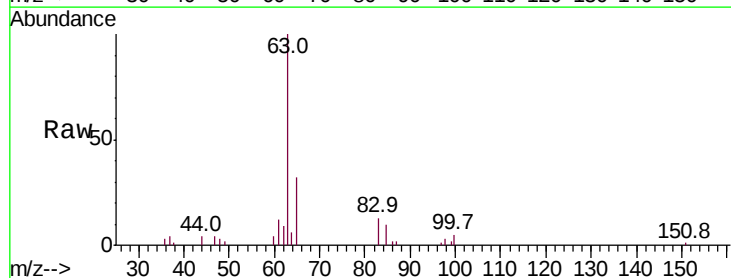
Tgt Ion: 63 Resp: 77696

Ion Ratio Lower Upper

63 100

98 2.7 2.8 8.4#

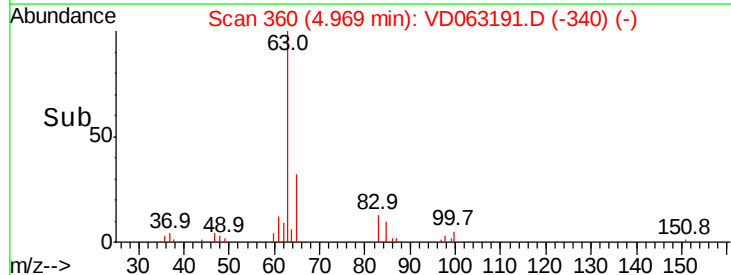
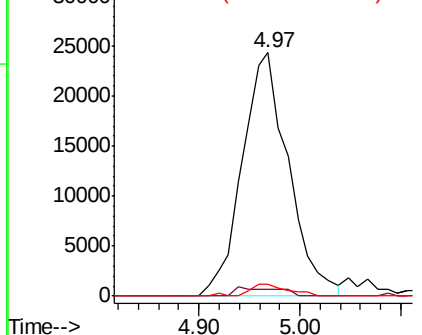
100 5.0 1.3 3.9#

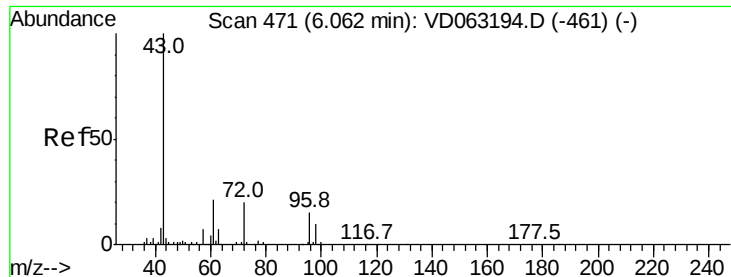


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 20.264 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

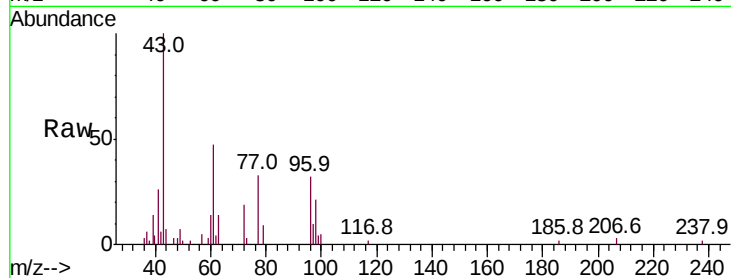
VSTDIC005

Tot Ion: 43 Resp: 50078

Ion Ratio Lower Upper

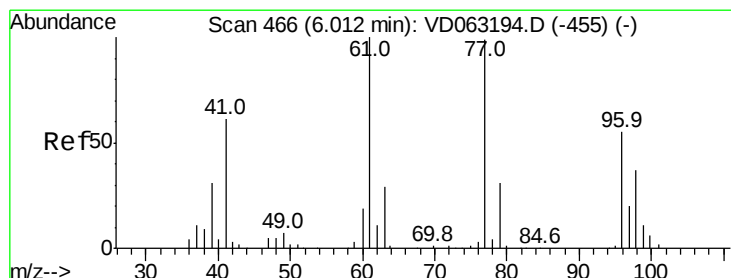
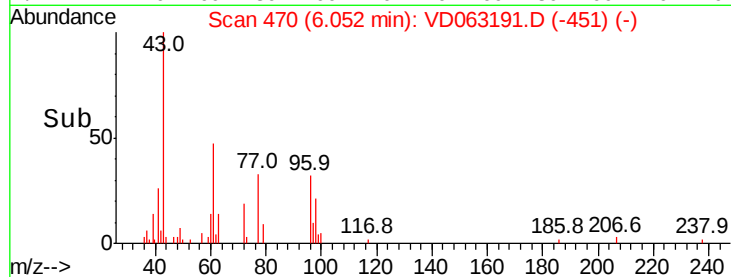
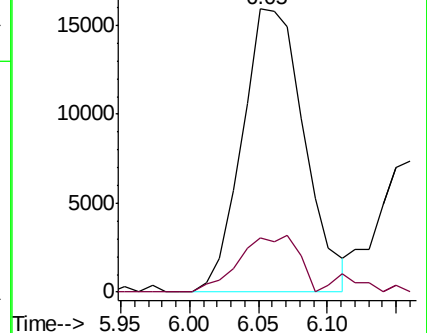
43 100

72 19.0 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.884 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063191.D

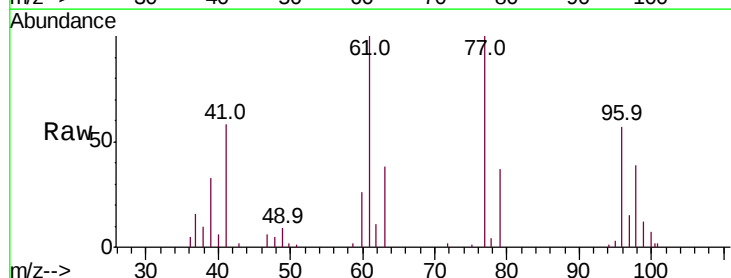
Acq: 29 Jul 2019 10:47

Tgt Ion: 77 Resp: 90401

Ion Ratio Lower Upper

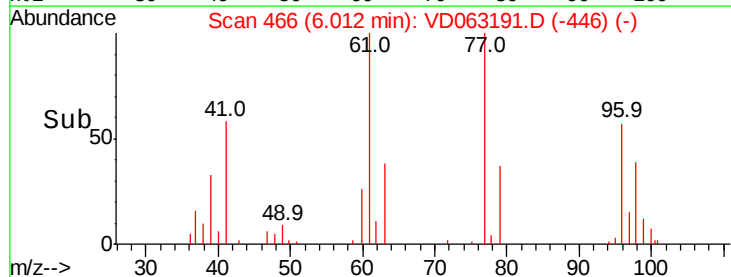
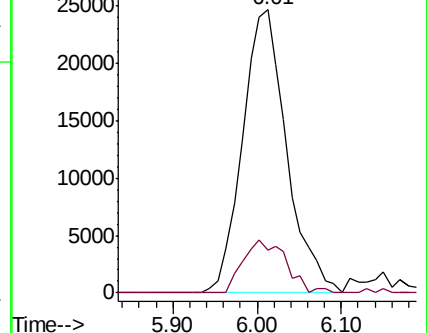
77 100

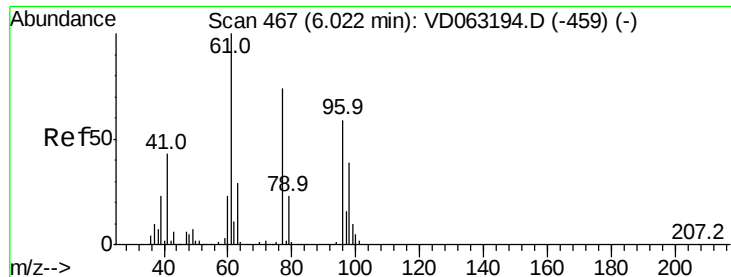
97 15.2 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



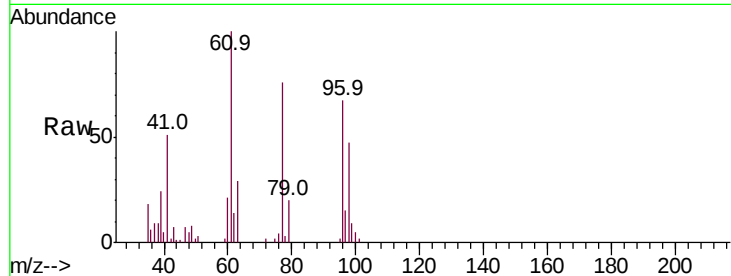


#27

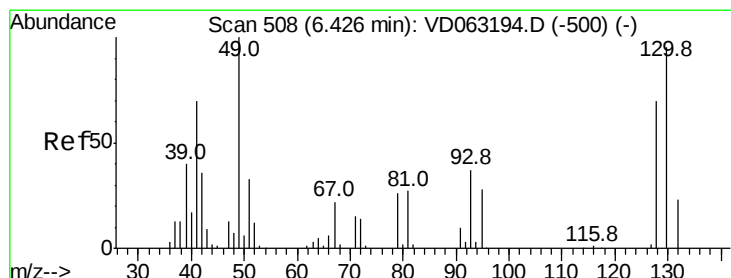
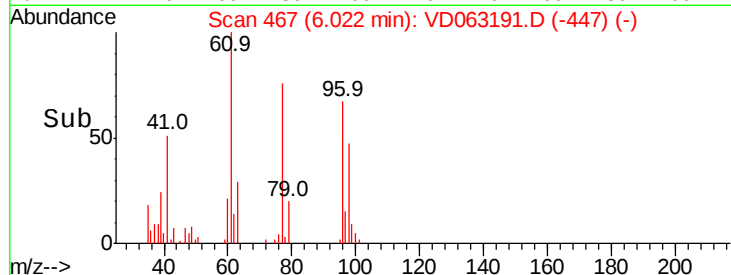
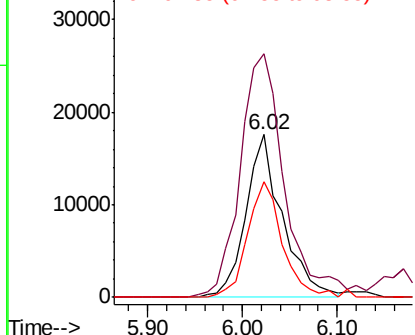
cis-1,2-Dichloroethene
Concen: 4.420 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	96	Resp	46980
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	337.2
98	70.9	0.0	130.6



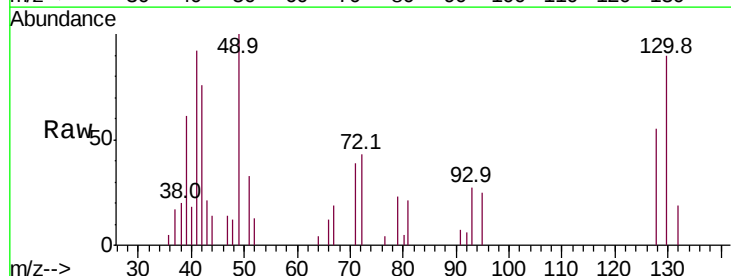
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



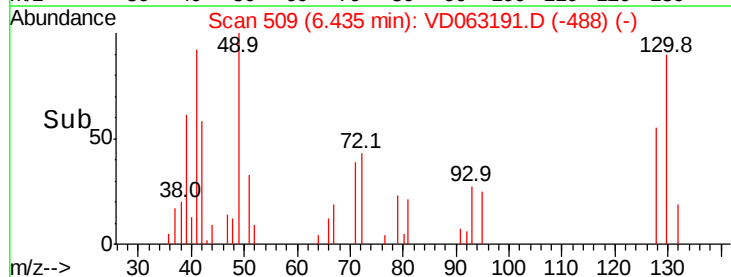
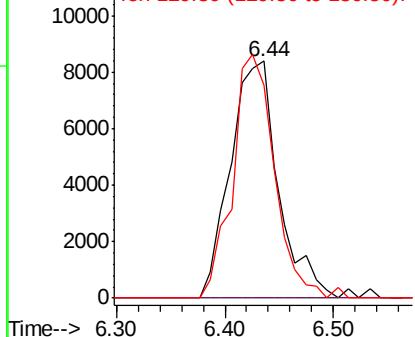
#28

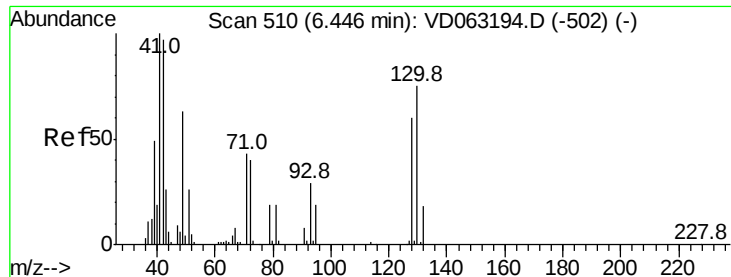
Bromochloromethane
Concen: 3.620 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion	49	Resp	25949
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	89.6	75.7	113.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 20.563 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

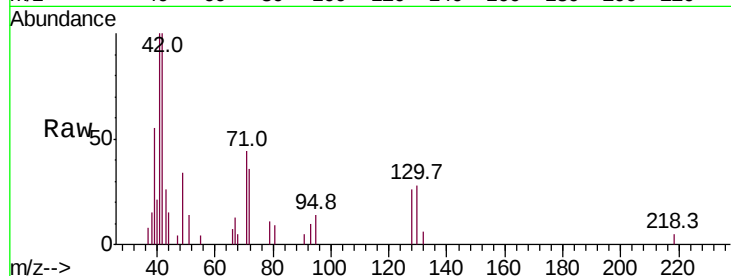
Tot Ion: 42 Resp: 24060

Ion Ratio Lower Upper

42 100

72 47.7 33.4 50.2

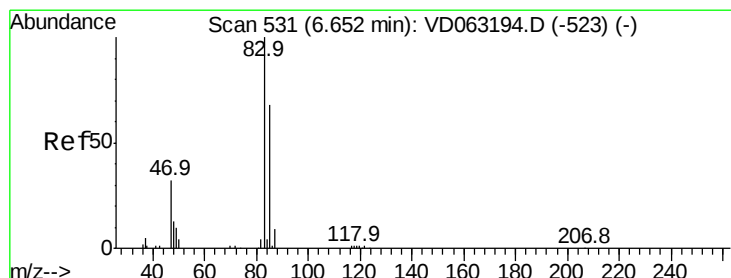
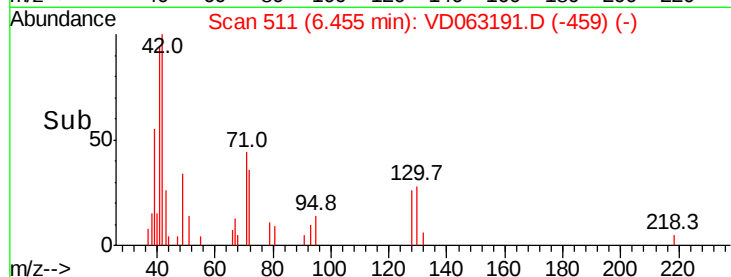
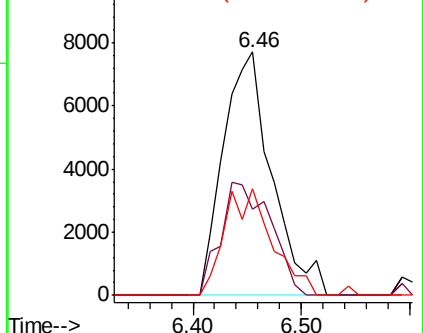
71 42.7 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 4.854 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD063191.D

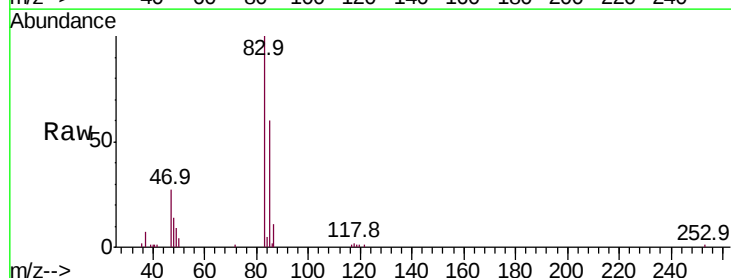
Acq: 29 Jul 2019 10:47

Tgt Ion: 83 Resp: 108194

Ion Ratio Lower Upper

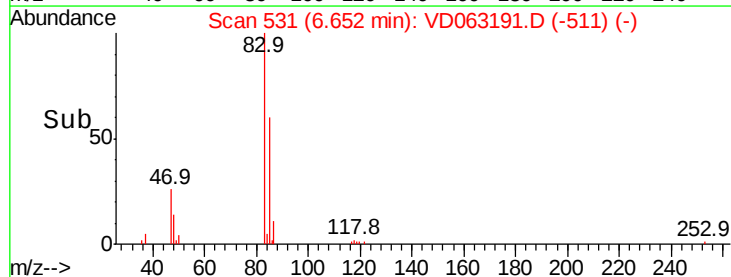
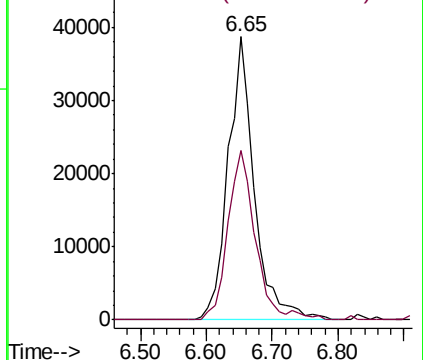
83 100

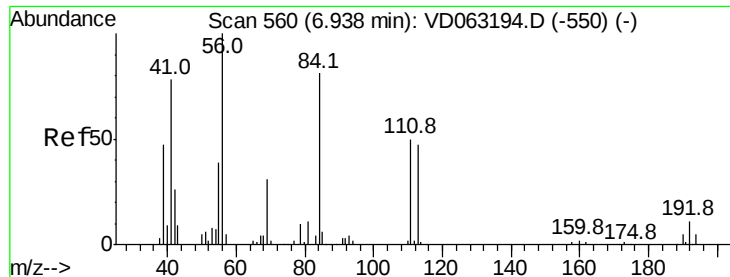
85 60.0 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 4.668 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

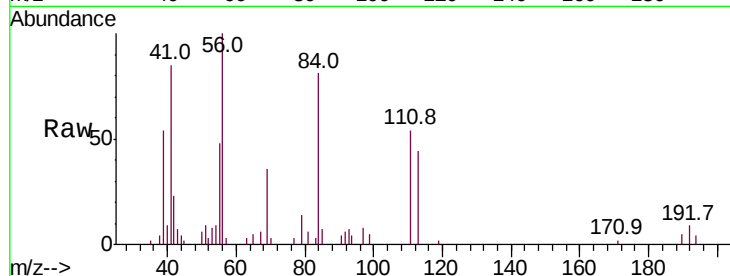
Tot Ion: 56 Resp: 52552

Ion Ratio Lower Upper

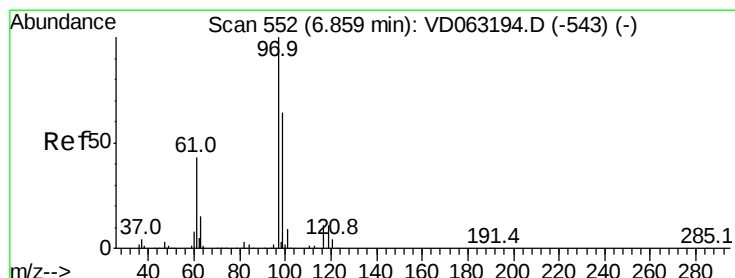
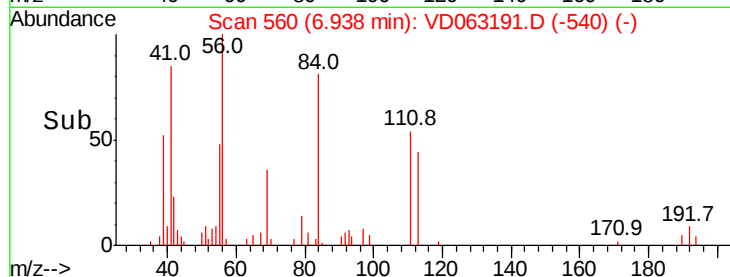
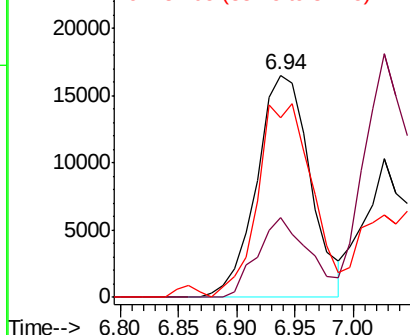
56 100

69 35.8 24.5 36.7

84 81.0 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 4.966 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

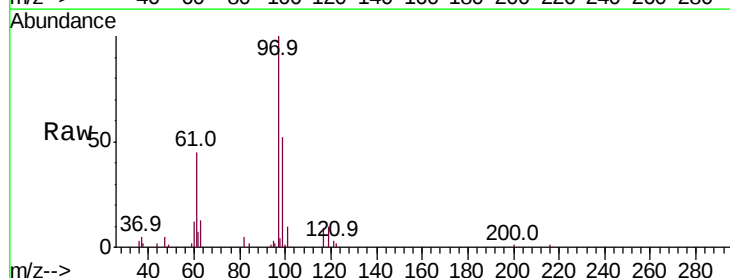
Tgt Ion: 97 Resp: 107057

Ion Ratio Lower Upper

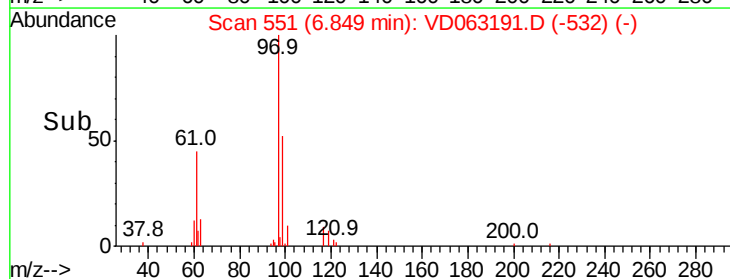
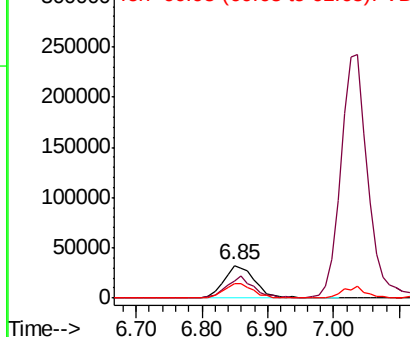
97 100

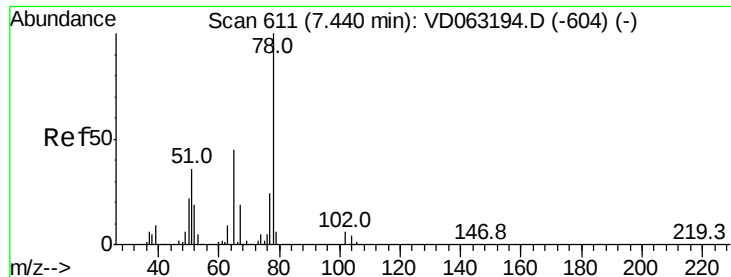
99 52.4 51.2 76.8

61 44.6 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 3.878 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

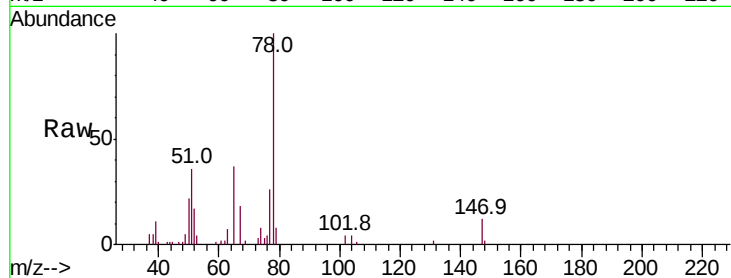
VSTDIC005

Tot Ion: 65 Resp: 49008

Ion Ratio Lower Upper

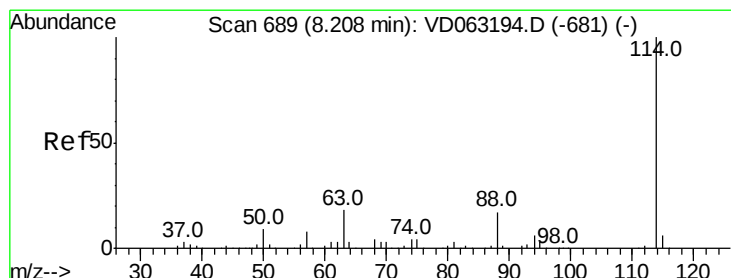
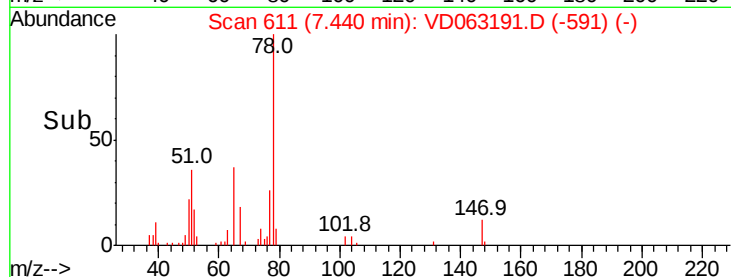
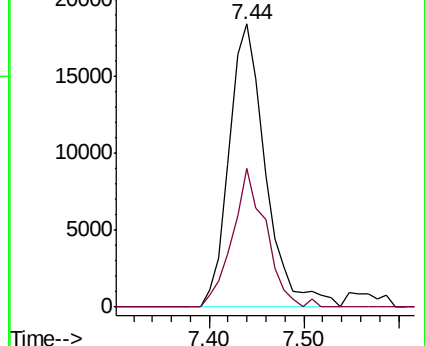
65 100

67 49.1 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

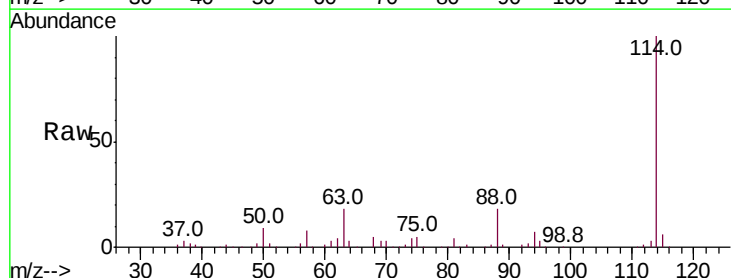
Tgt Ion: 114 Resp: 1504473

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

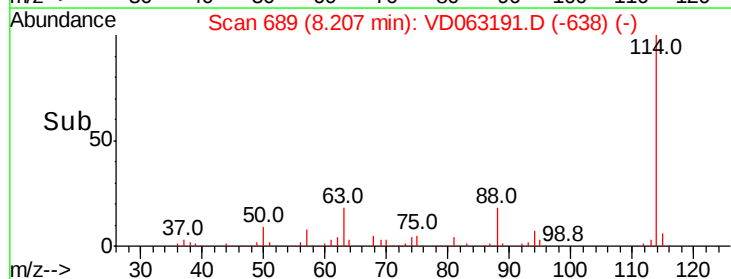
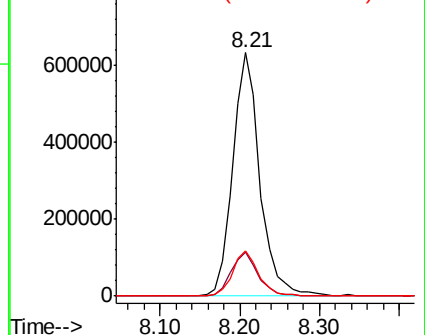
88 18.5 0.0 34.6

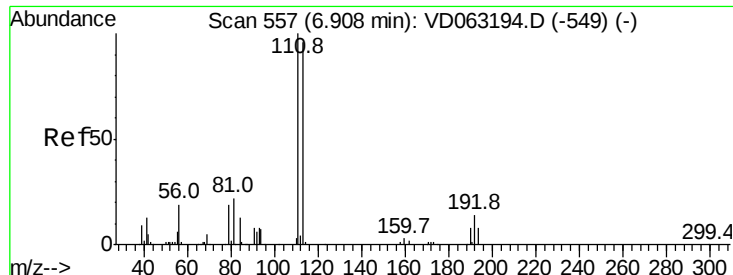


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 4.111 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

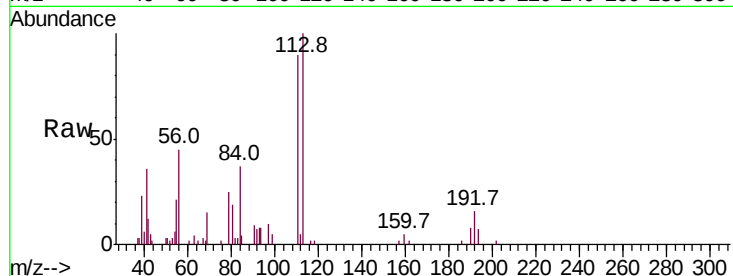
Tot Ion:113 Resp: 52809

Ion Ratio Lower Upper

113 100

111 90.1 83.2 124.8

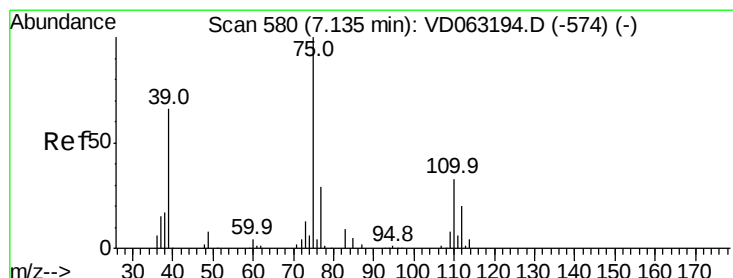
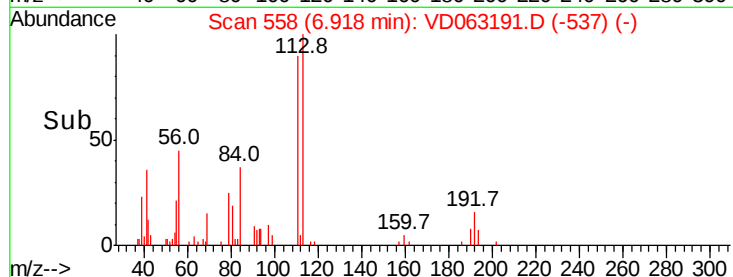
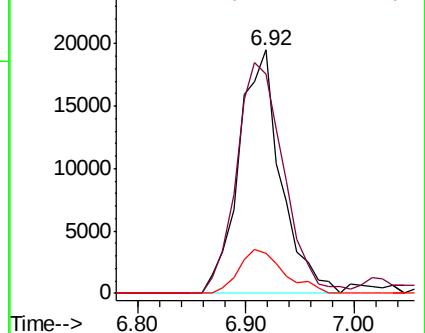
192 16.4 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

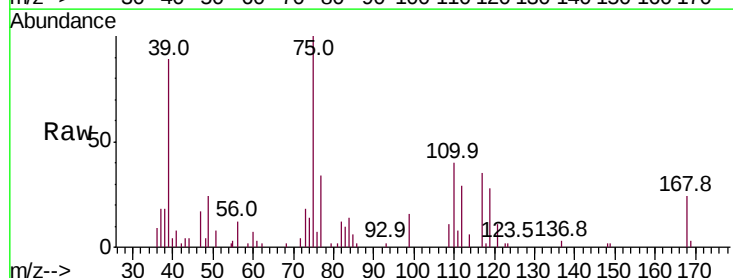
Tgt Ion: 75 Resp: 65642

Ion Ratio Lower Upper

75 100

110 40.1 16.1 48.2

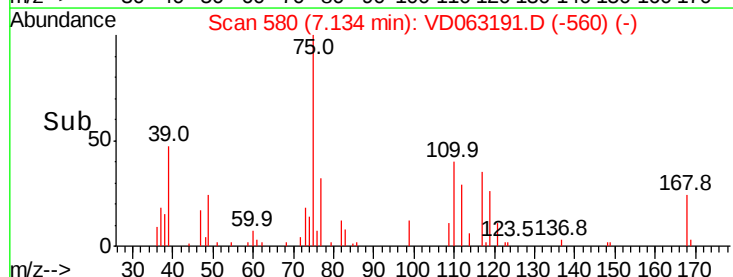
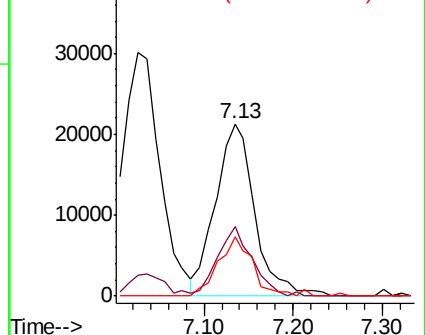
77 34.5 22.7 34.1#

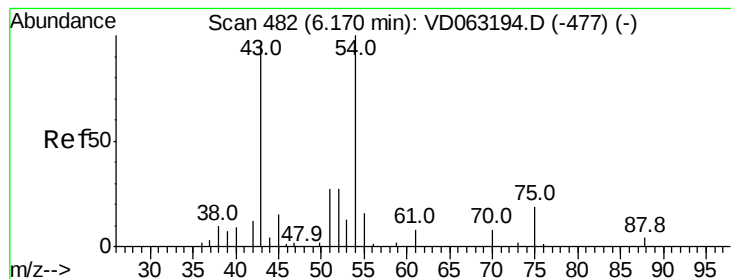


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 5.518 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

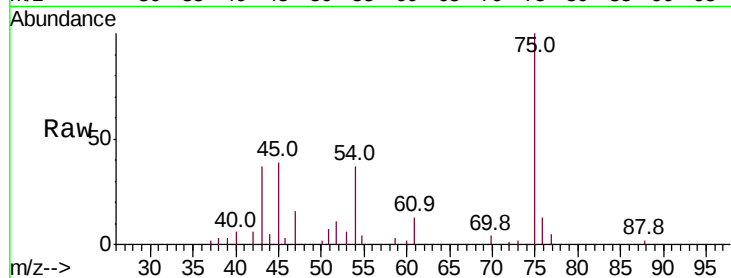
Tot Ion: 43 Resp: 33965

Ion Ratio Lower Upper

43 100

61 36.4 11.3 16.9#

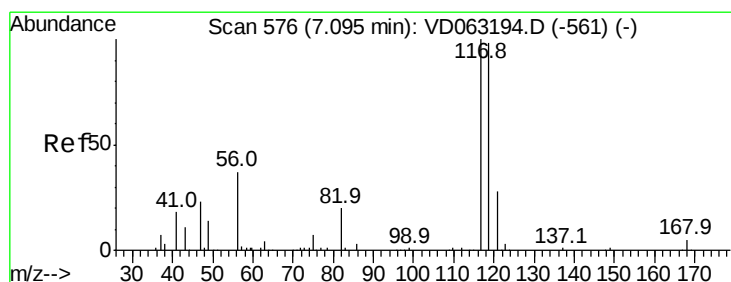
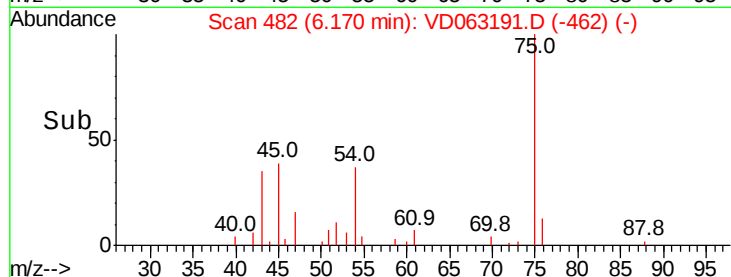
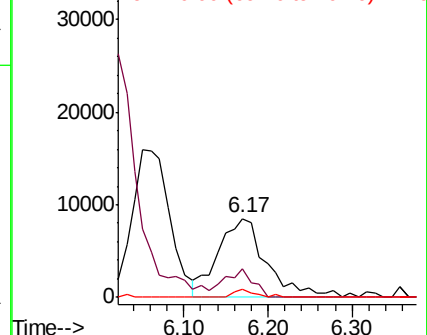
70 11.0 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.601 ug/l

RT: 7.10 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

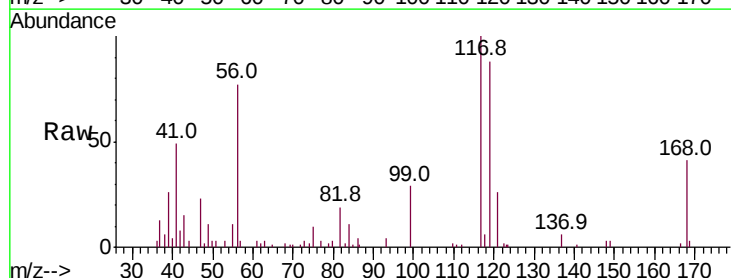
Tgt Ion: 117 Resp: 95097

Ion Ratio Lower Upper

117 100

119 87.9 78.2 117.2

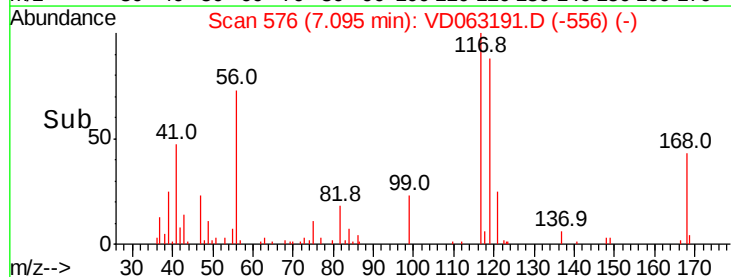
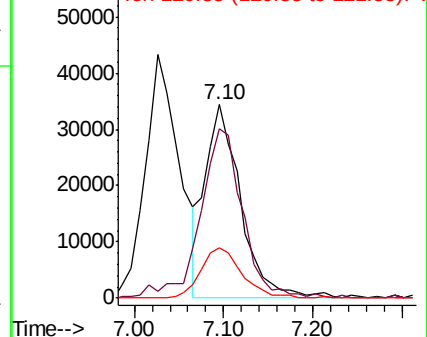
121 25.7 22.1 33.1

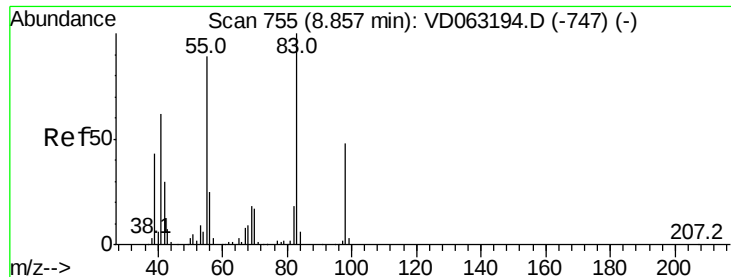


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcvclohexane

Concen: 5.011 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

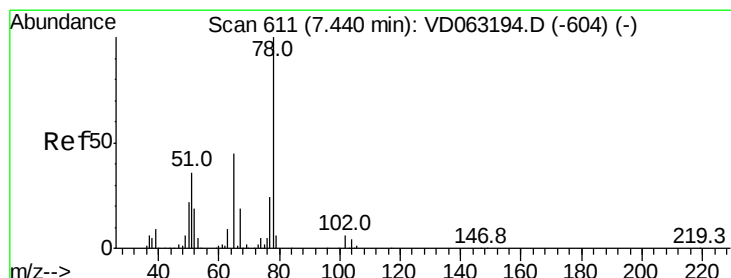
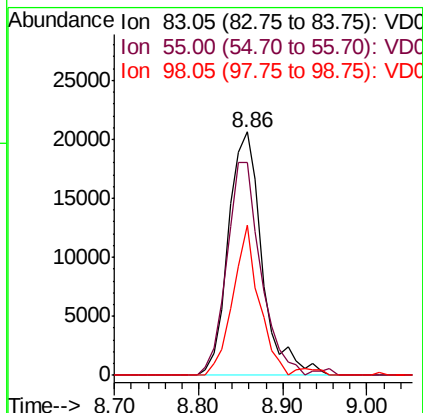
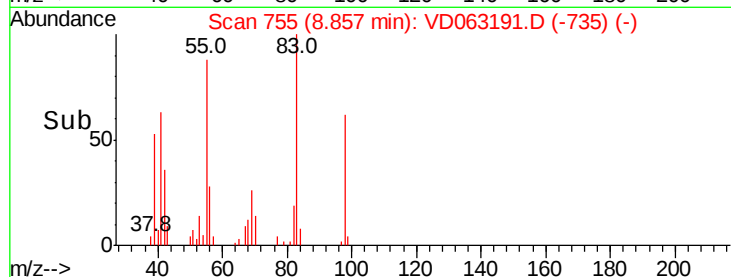
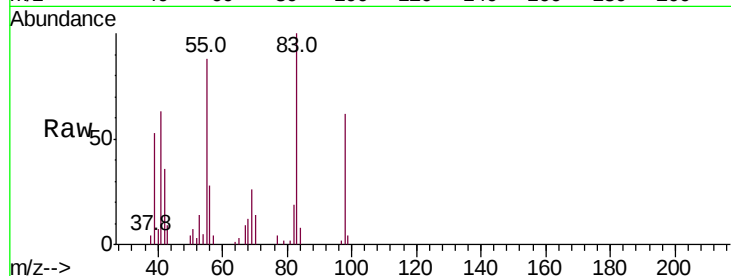
Tot Ion: 83 Resp: 57324

Ion Ratio Lower Upper

83 100

55 87.5 71.1 106.7

98 61.7 38.5 57.7#



#40

Benzene

Concen: 4.819 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063191.D

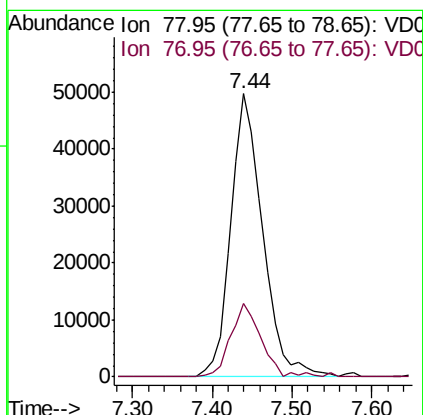
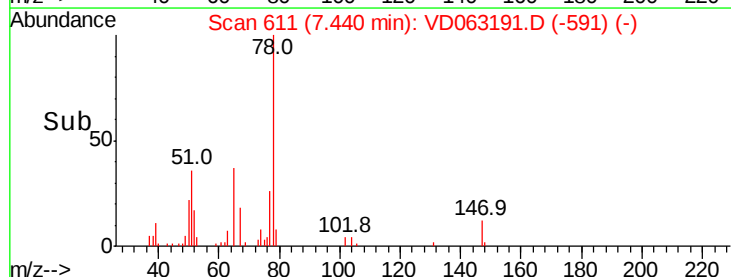
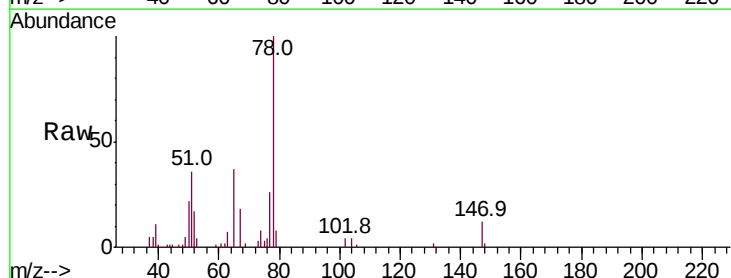
Acq: 29 Jul 2019 10:47

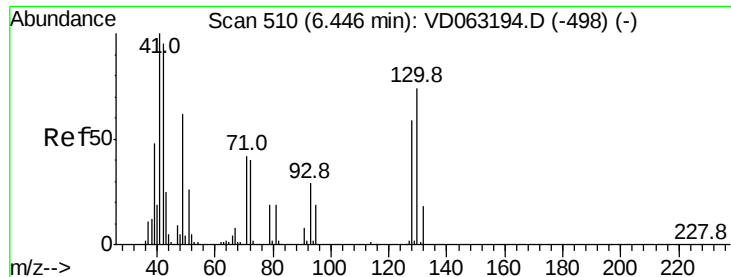
Tgt Ion: 78 Resp: 138660

Ion Ratio Lower Upper

78 100

77 25.8 19.4 29.2

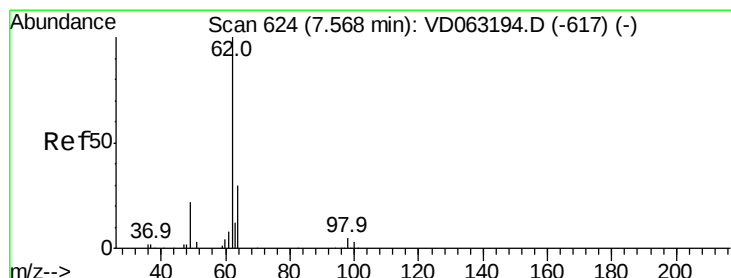
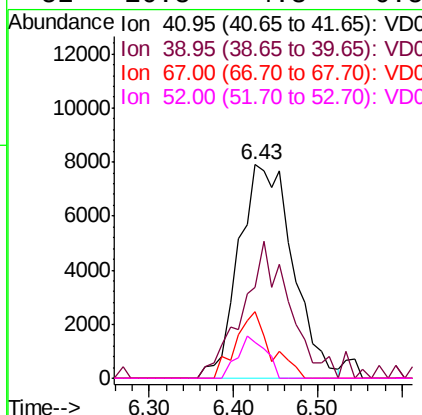
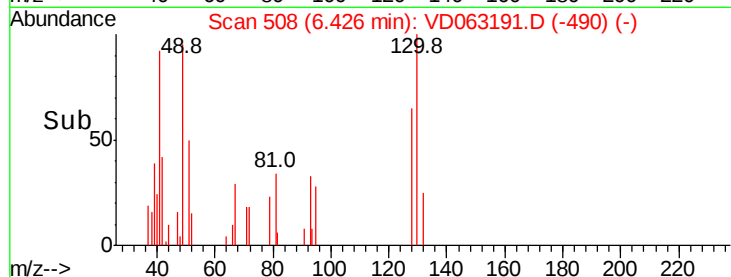
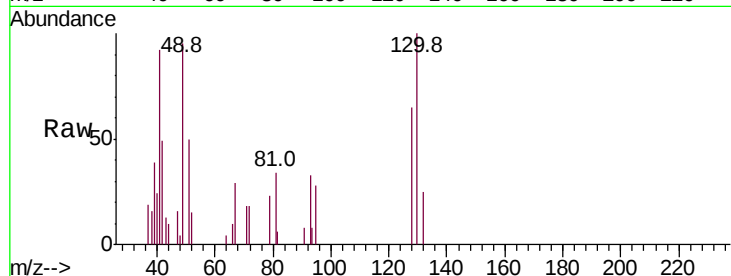




#41
Methacrylonitrile
Concen: 4.802 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

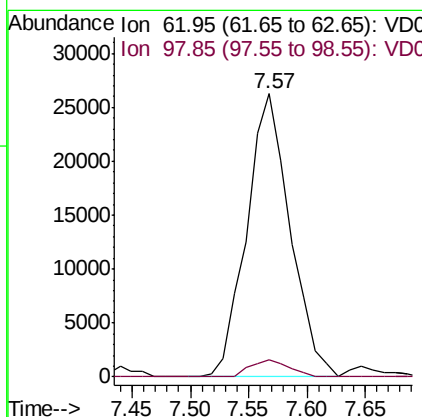
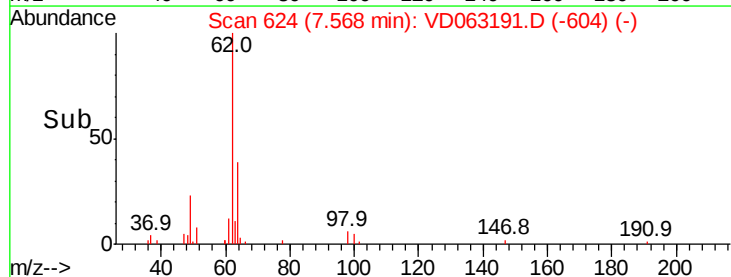
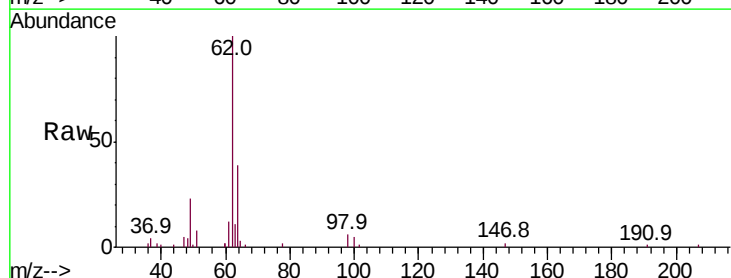
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

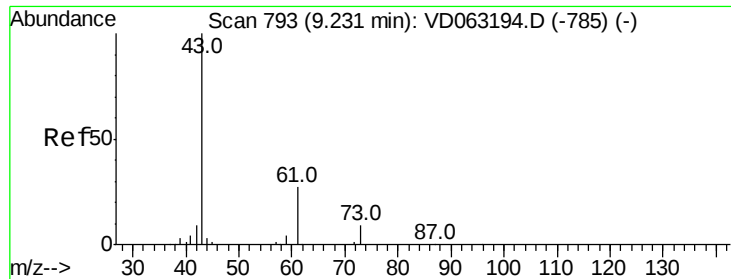
Tot Ion: 41 Resp: 35435
Ion Ratio Lower Upper
41 100
39 42.3 38.4 57.6
67 31.4 6.7 10.1#
52 16.8 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 4.444 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion: 62 Resp: 67775
Ion Ratio Lower Upper
62 100
98 6.0 0.0 9.8





#43

Isopropyl Acetate

Concen: 4.577 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

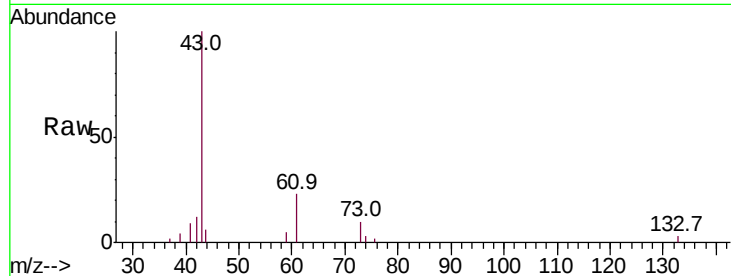
Tot Ion: 43 Resp: 36062

Ion Ratio Lower Upper

43 100

61 23.0 21.4 32.0

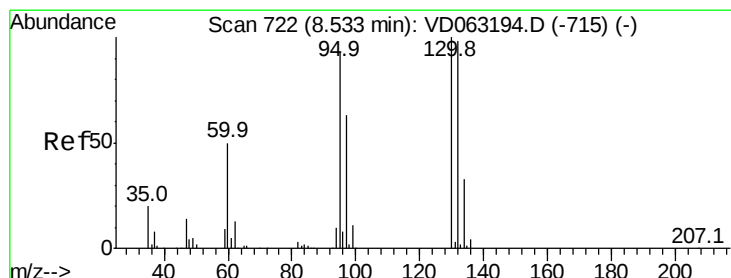
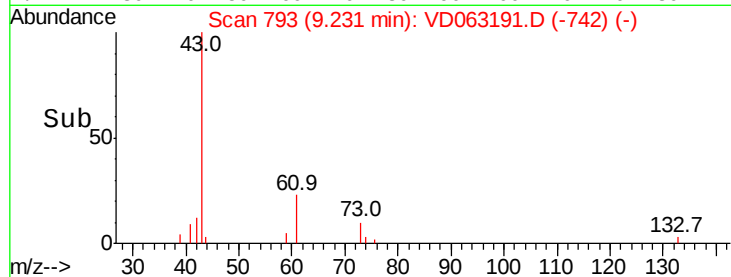
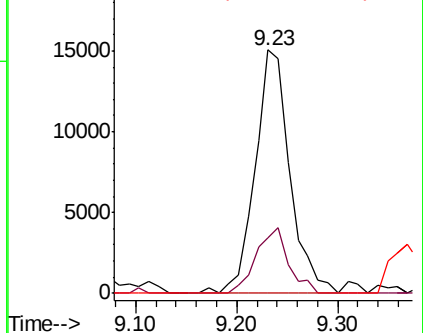
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.997 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063191.D

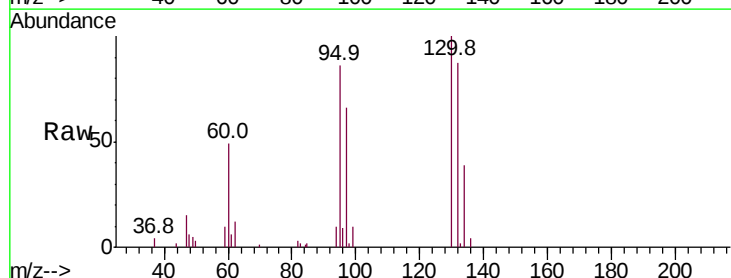
Acq: 29 Jul 2019 10:47

Tgt Ion:130 Resp: 58270

Ion Ratio Lower Upper

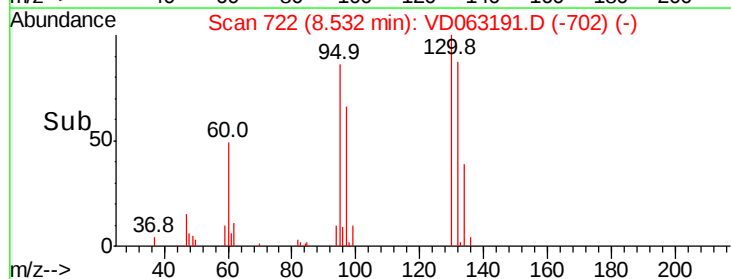
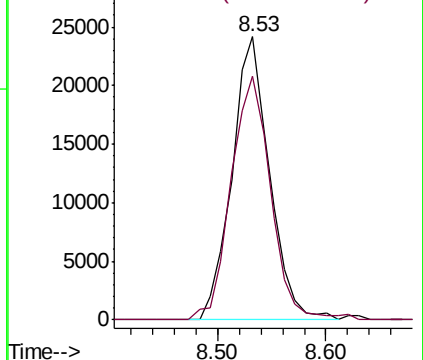
130 100

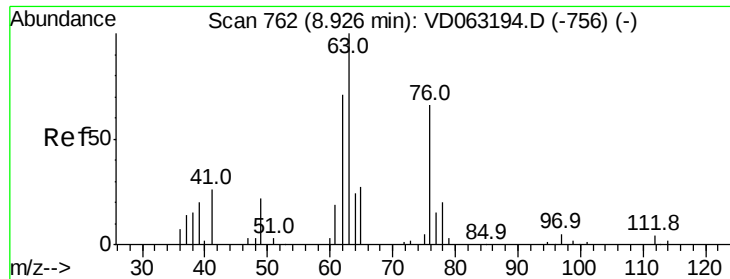
95 86.1 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 4.584 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

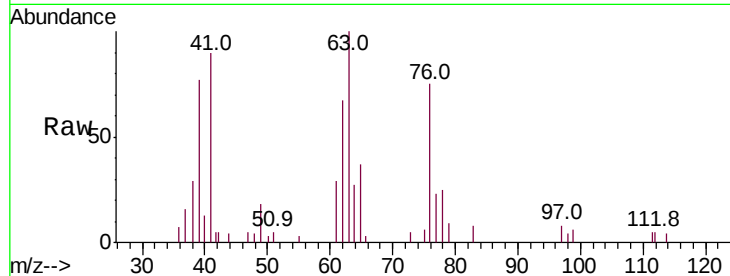
VSTDIC005

Tot Ion: 63 Resp: 33531

Ion Ratio Lower Upper

63 100

65 37.5 23.6 35.4#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

15000

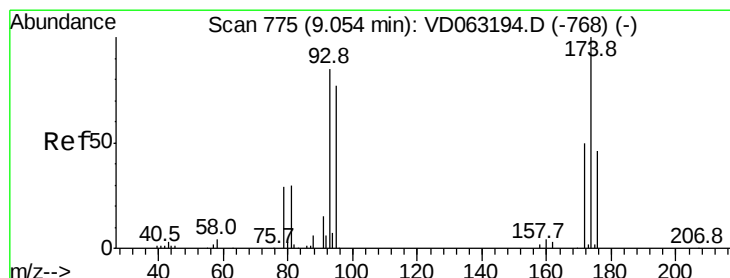
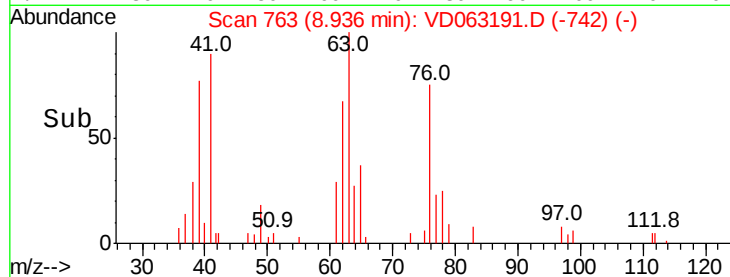
10000

5000

0

Time-->

8.80 8.85 8.90 8.95 9.00



#46

Dibromomethane

Concen: 4.839 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

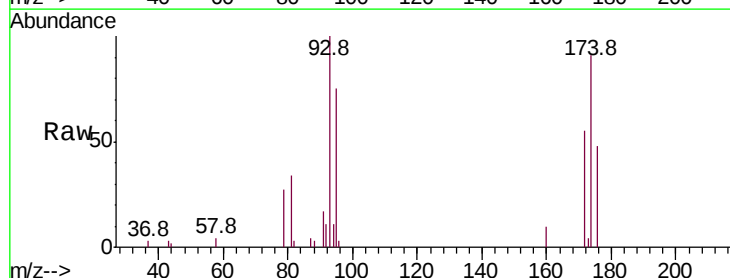
Tgt Ion: 93 Resp: 29430

Ion Ratio Lower Upper

93 100

95 74.7 72.8 109.2

174 91.5 94.4 141.6#



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

20000

15000

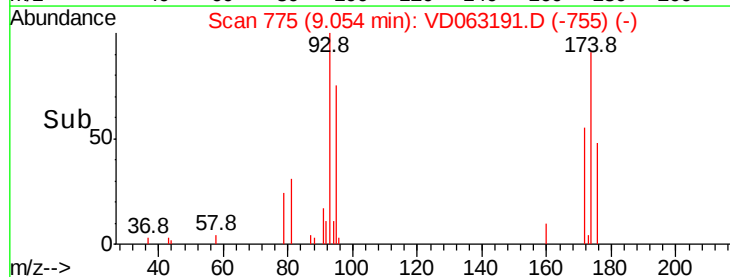
10000

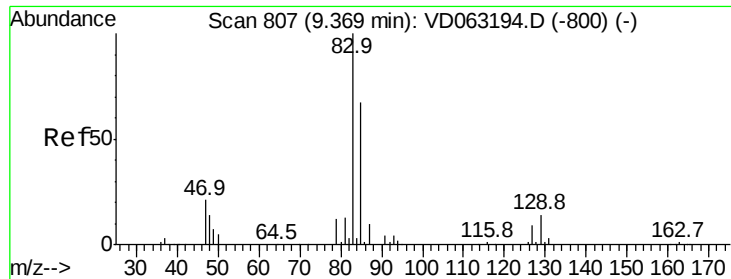
5000

0

Time-->

9.00 9.05 9.10





#47

Bromodichloromethane

Concen: 4.622 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

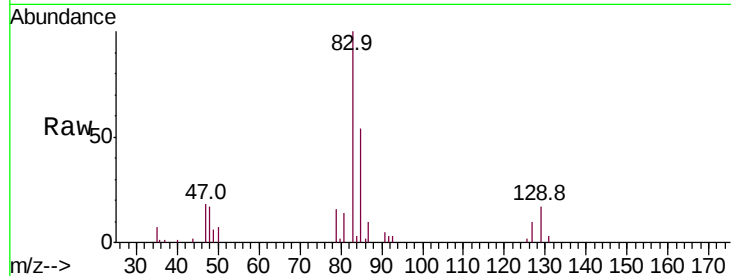
Tot Ion: 83 Resp: 71655

Ion Ratio Lower Upper

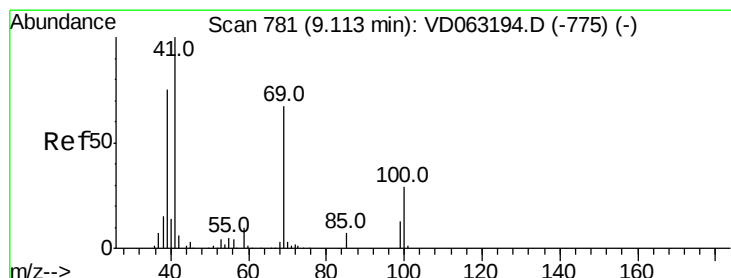
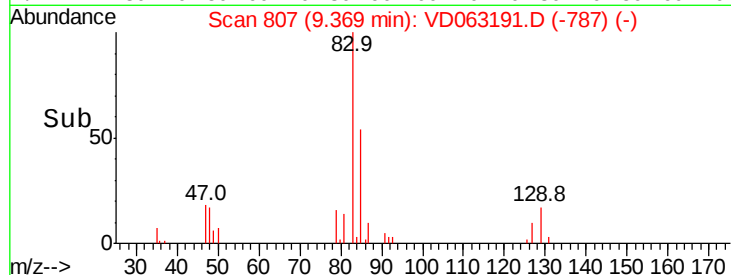
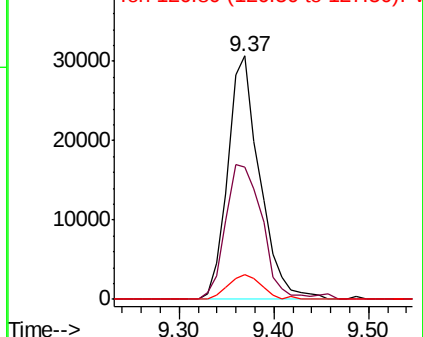
83 100

85 54.3 53.6 80.4

127 10.2 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 4.477 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

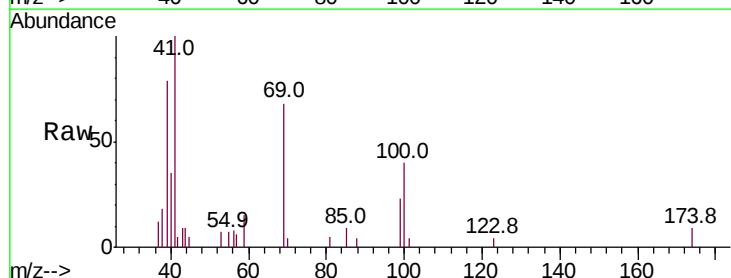
Tgt Ion: 41 Resp: 22877

Ion Ratio Lower Upper

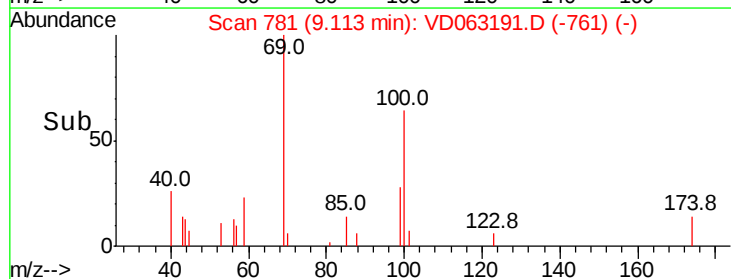
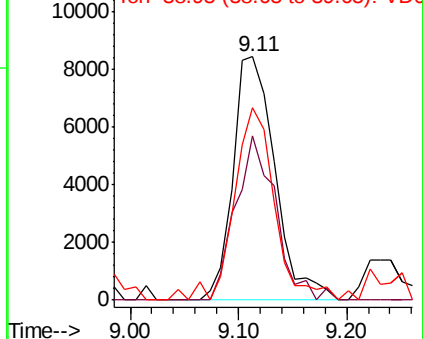
41 100

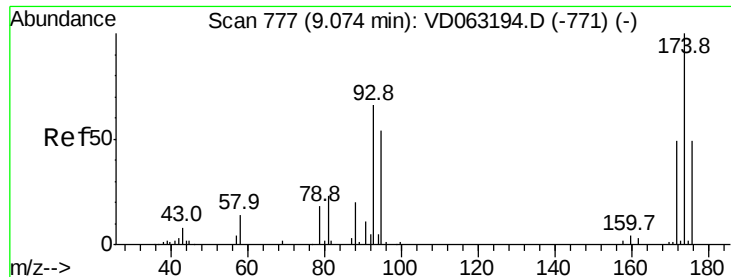
69 67.7 53.4 80.0

39 78.9 60.3 90.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC



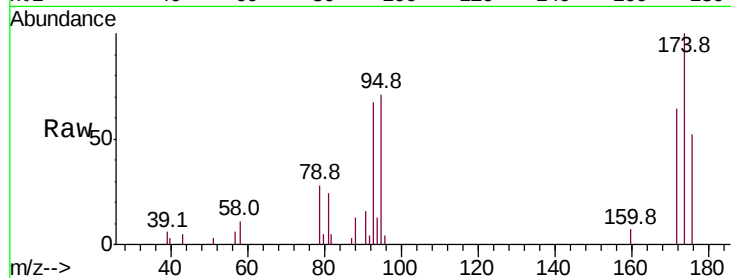


#49
 1,4-Dioxane
 Concen: 73.889 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD063191.D
 Acq: 29 Jul 2019 10:47

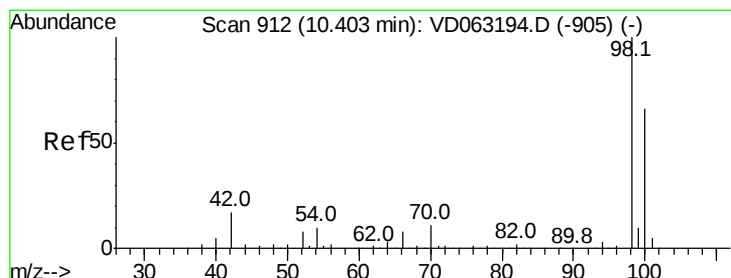
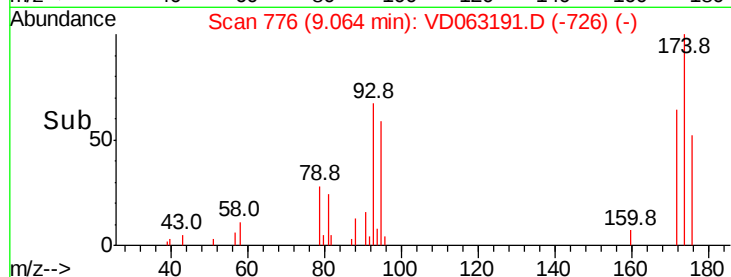
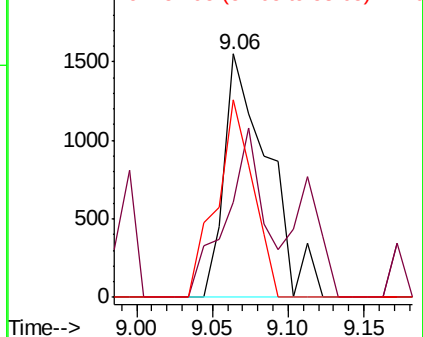
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 3124

Ion	Ratio	Lower	Upper
88	100		
43	39.1	30.7	46.1
58	80.9	56.5	84.7



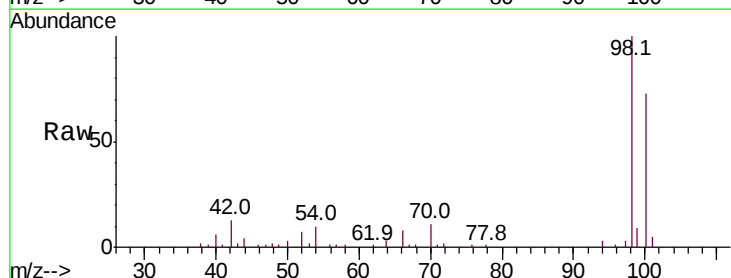
Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC



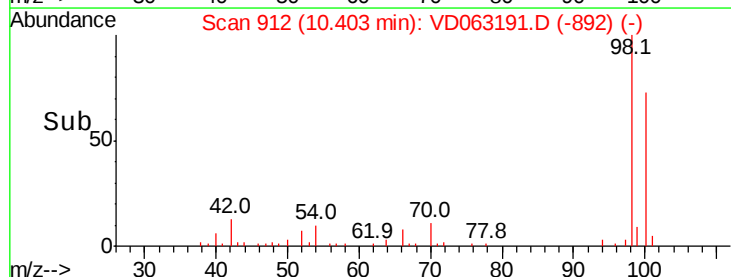
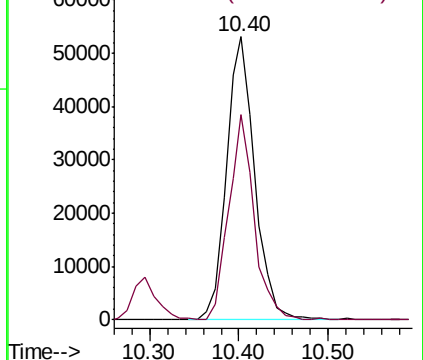
#50
 Toluene-d8
 Concen: 4.093 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD063191.D
 Acq: 29 Jul 2019 10:47

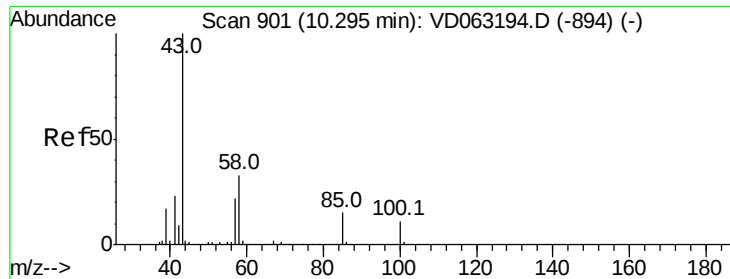
Tgt Ion: 98 Resp: 117660

Ion	Ratio	Lower	Upper
98	100		
100	72.5	53.2	79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 21.827 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

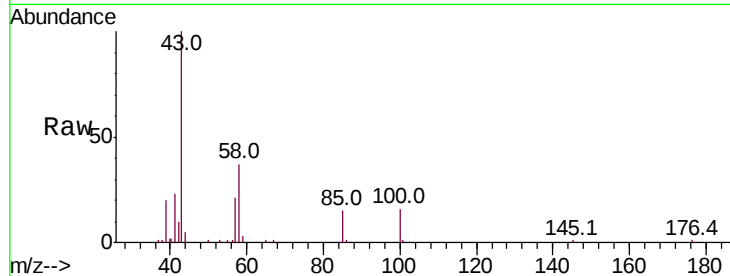
VSTDIC005

Tot Ion: 43 Resp: 116967

Ion Ratio Lower Upper

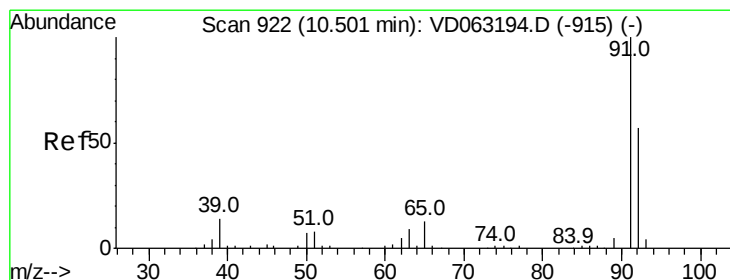
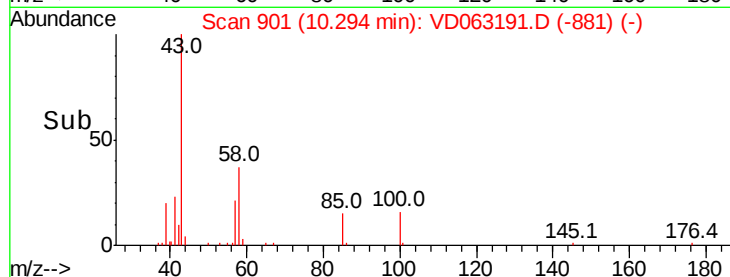
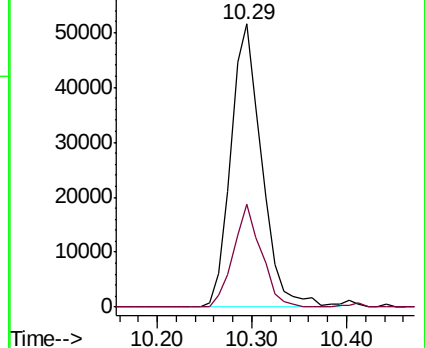
43 100

58 36.5 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 4.950 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063191.D

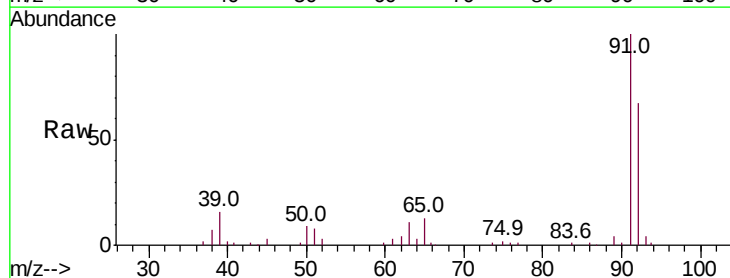
Acq: 29 Jul 2019 10:47

Tgt Ion: 92 Resp: 94734

Ion Ratio Lower Upper

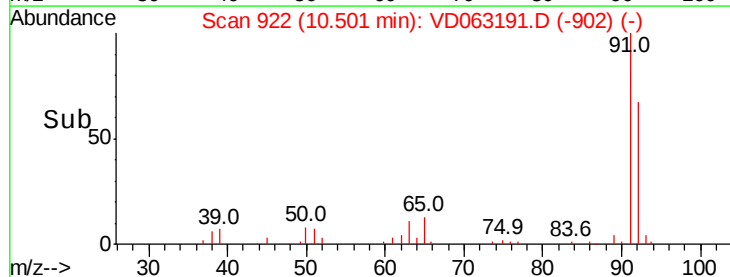
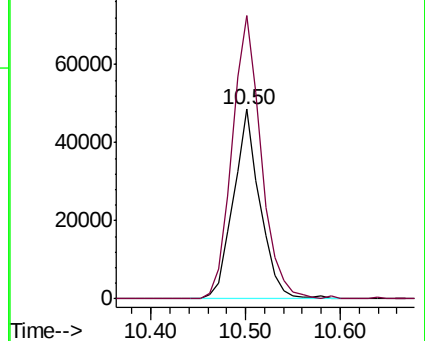
92 100

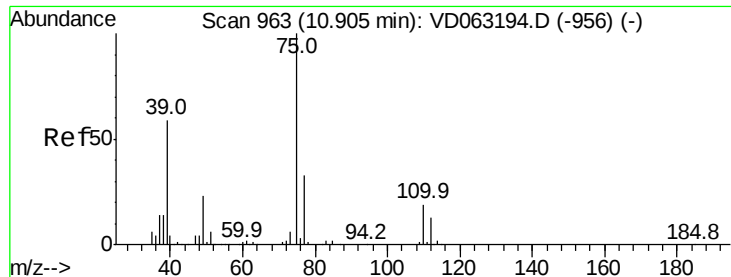
91 149.5 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 4.488 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

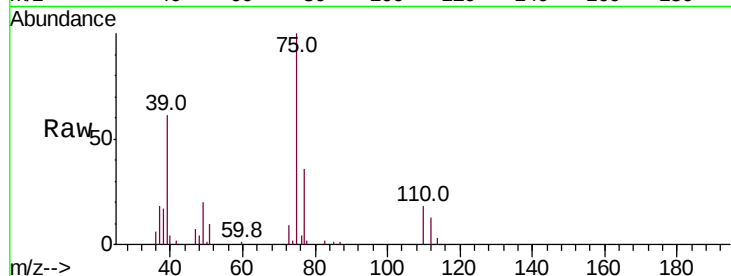
VSTDIC005

Tot Ion: 75 Resp: 59982

Ion Ratio Lower Upper

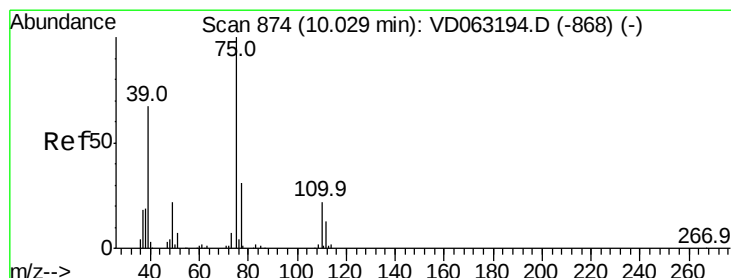
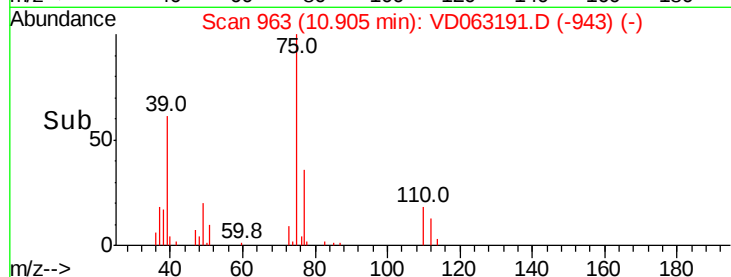
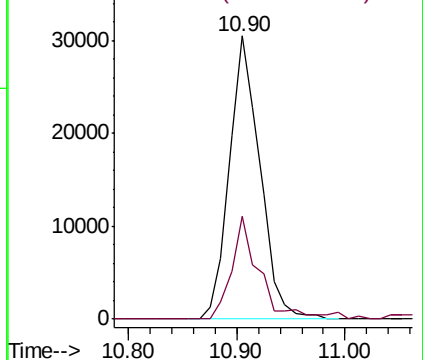
75 100

77 38.4 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.400 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

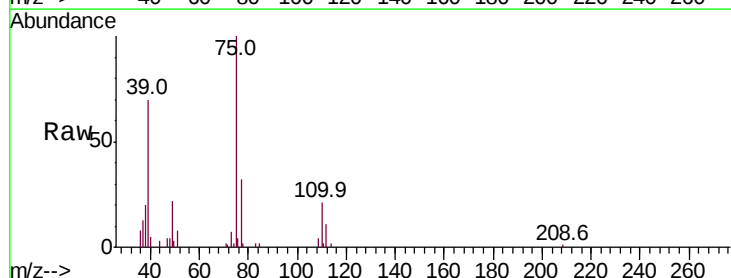
Tgt Ion: 75 Resp: 61810

Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3

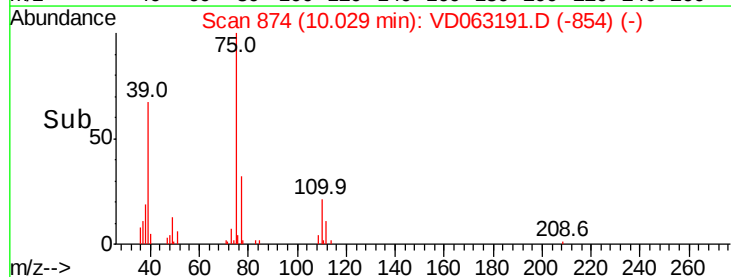
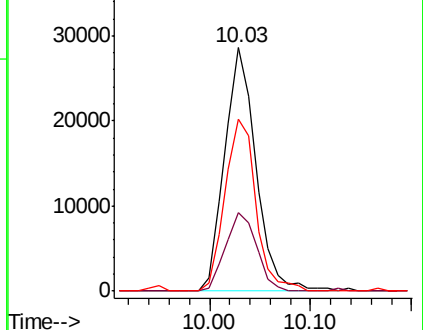
39 70.4 53.9 80.9

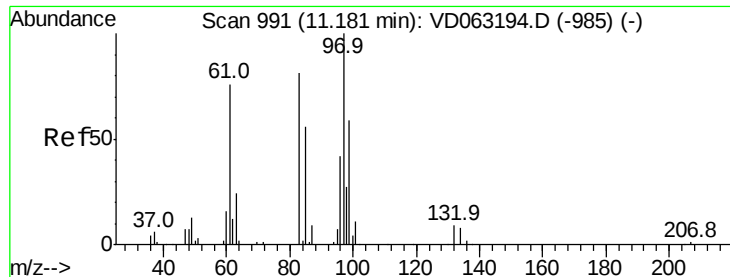


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

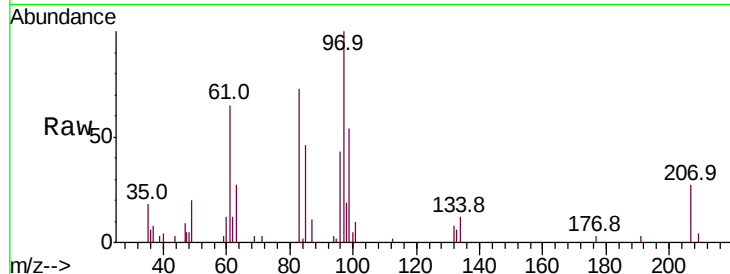




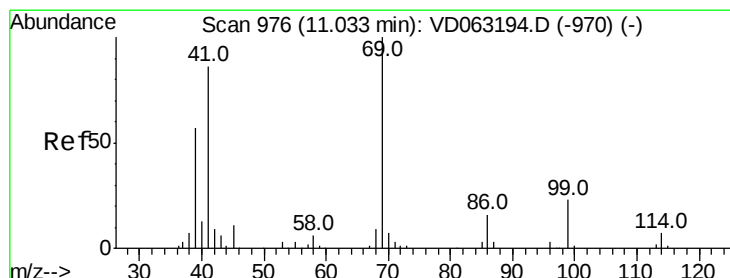
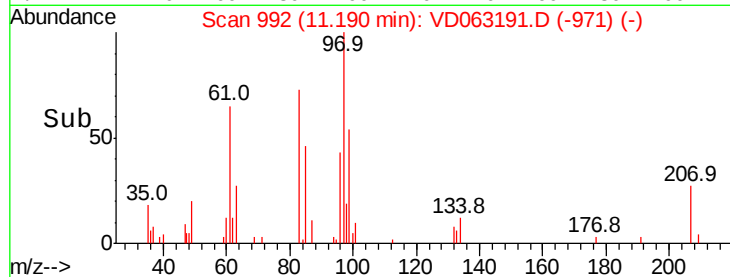
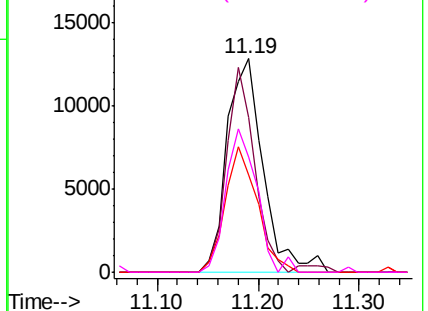
#55
1,1,2-Trichloroethane
Concen: 4.957 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 97 Resp: 32039
Ion Ratio Lower Upper
97 100
83 72.7 64.8 97.2
85 45.6 44.9 67.3
99 54.0 47.2 70.8

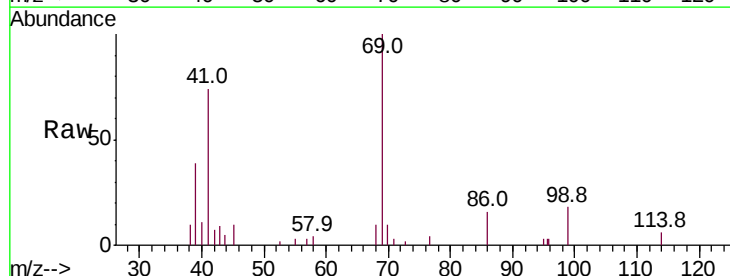


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

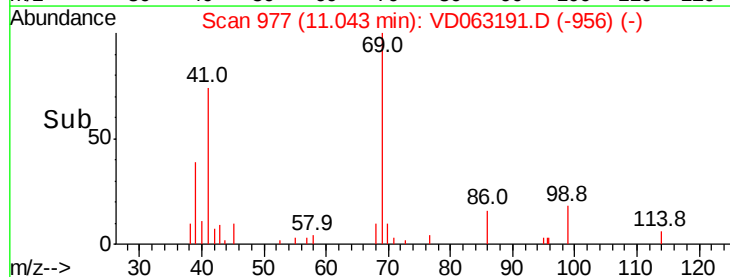
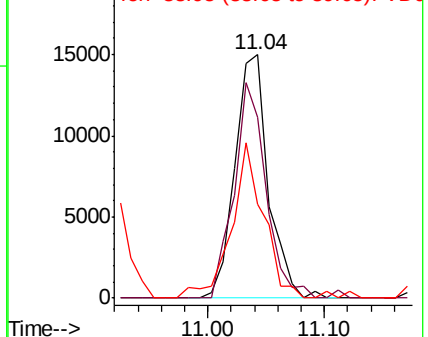


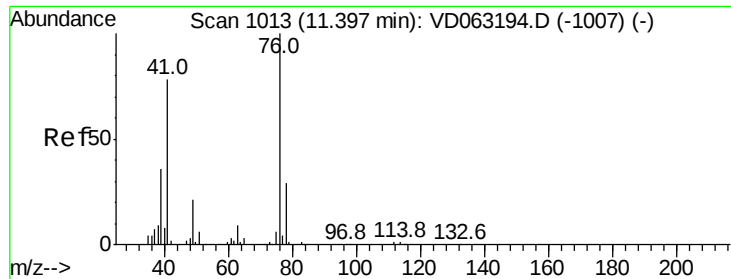
#56
Ethyl methacrylate
Concen: 4.198 ug/l
RT: 11.04 min Scan# 977
Delta R.T. 0.01 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion: 69 Resp: 29715
Ion Ratio Lower Upper
69 100
41 74.1 68.8 103.2
39 38.6 45.8 68.8#



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 4.628 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

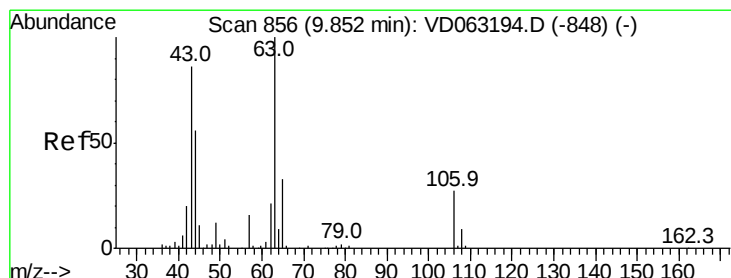
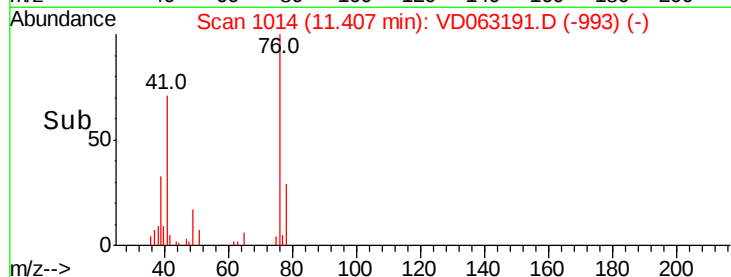
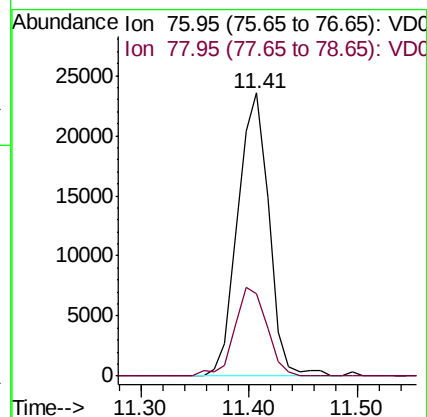
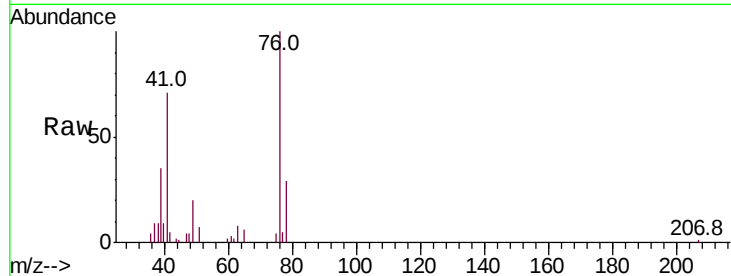
VSTDIC005

Tot Ion: 76 Resp: 47131

Ion Ratio Lower Upper

76 100

78 29.1 23.4 35.0



#58

2-Chloroethyl Vinyl ether

Concen: 22.648 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063191.D

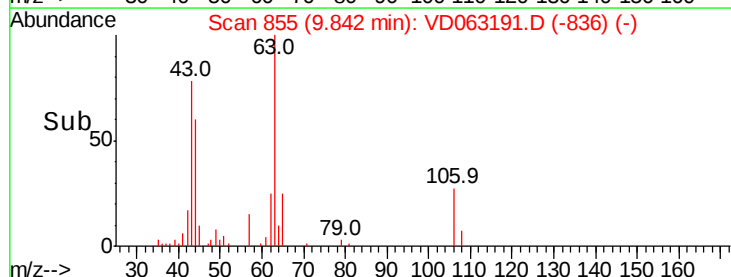
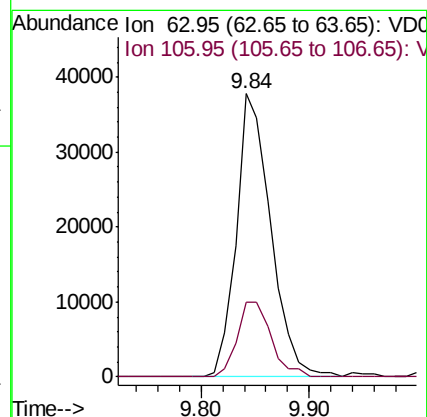
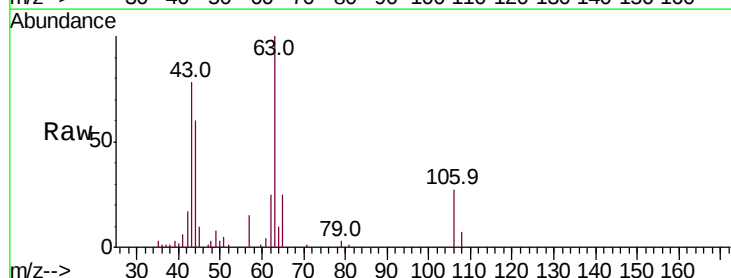
Acq: 29 Jul 2019 10:47

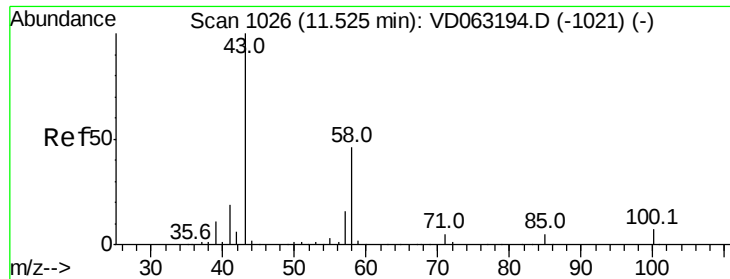
Tgt Ion: 63 Resp: 83414

Ion Ratio Lower Upper

63 100

106 26.5 22.0 33.0

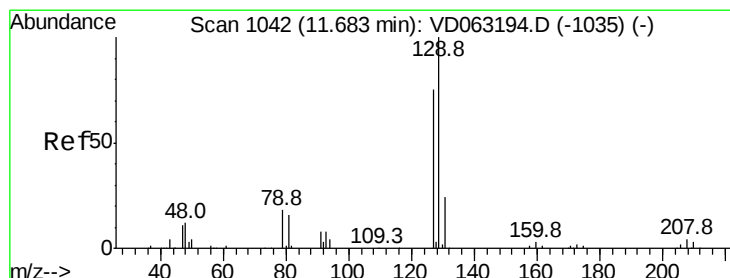
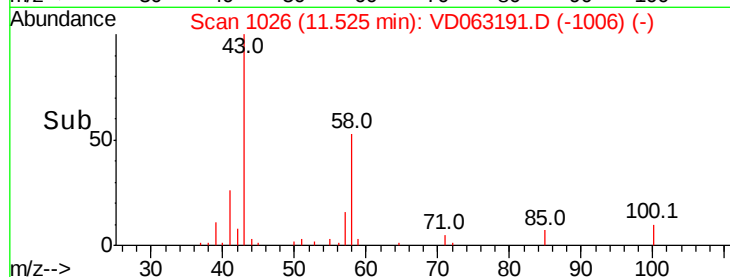
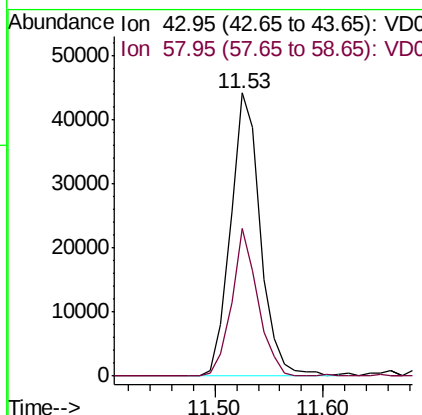
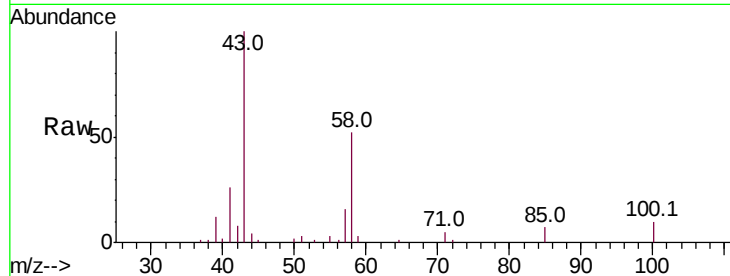




#59
2-Hexanone
Concen: 21.866 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

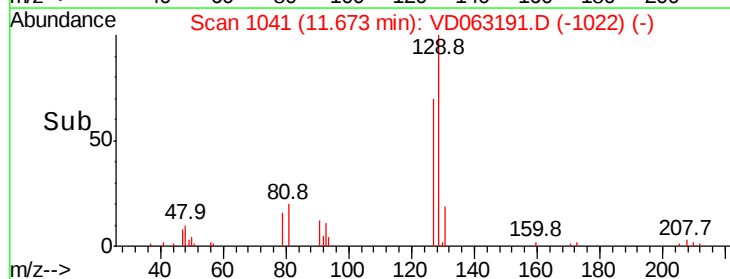
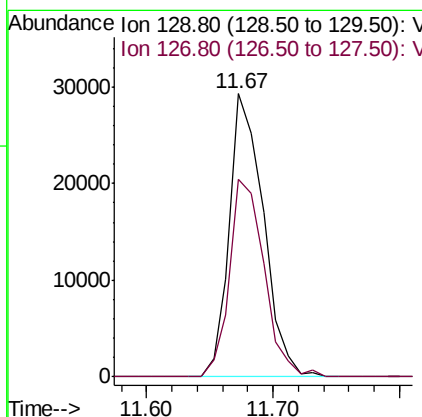
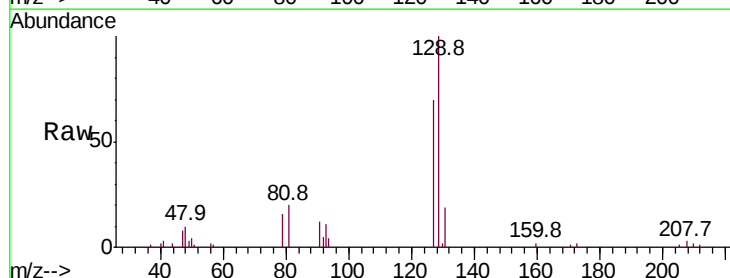
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

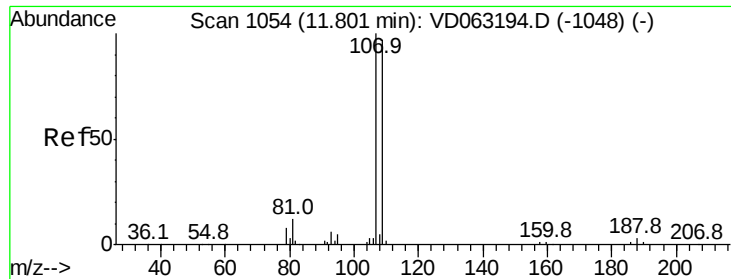
Tot Ion: 43 Resp: 84441
Ion Ratio Lower Upper
43 100
58 52.2 22.9 68.5



#60
Dibromochloromethane
Concen: 4.471 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion: 129 Resp: 54557
Ion Ratio Lower Upper
129 100
127 69.8 37.6 112.8





#61

1,2-Dibromoethane

Concen: 4.481 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

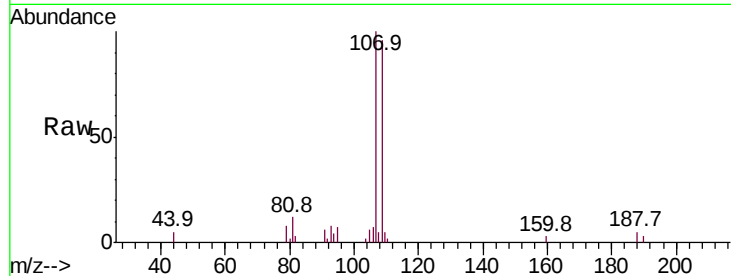
VSTDIC005

Tot Ion:107 Resp: 35743

Ion Ratio Lower Upper

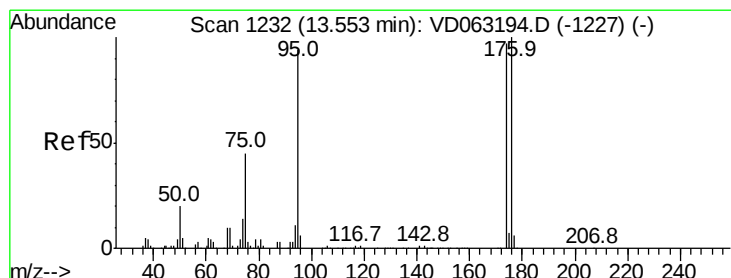
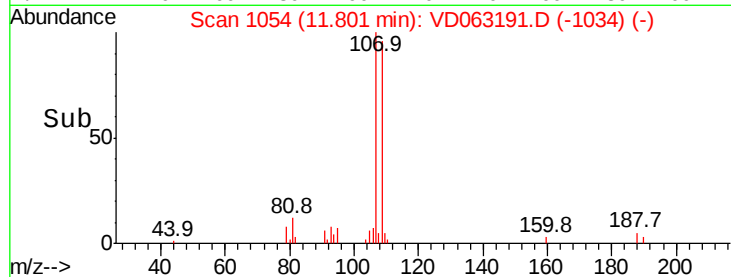
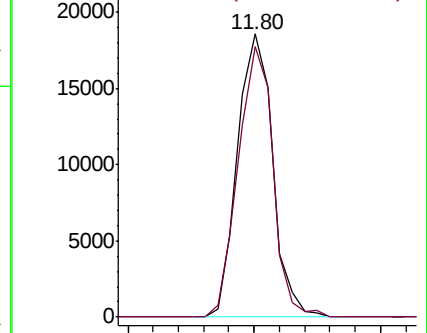
107 100

109 95.5 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 4.685 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

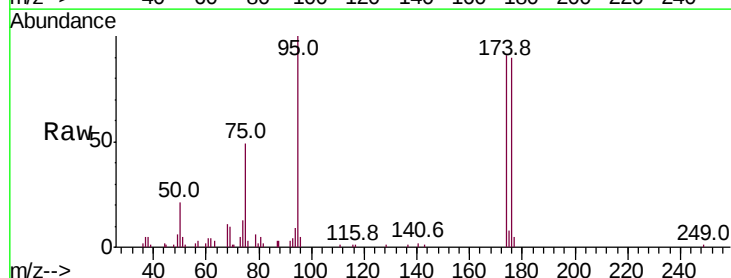
Tgt Ion: 95 Resp: 61374

Ion Ratio Lower Upper

95 100

174 91.1 0.0 205.4

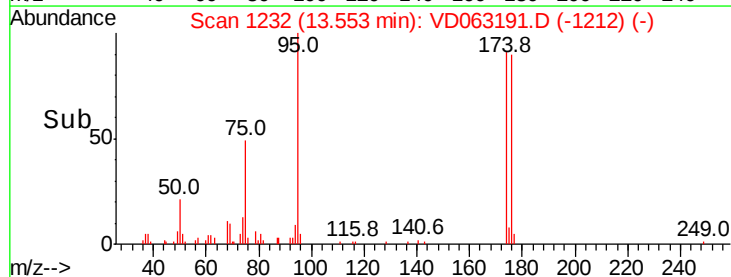
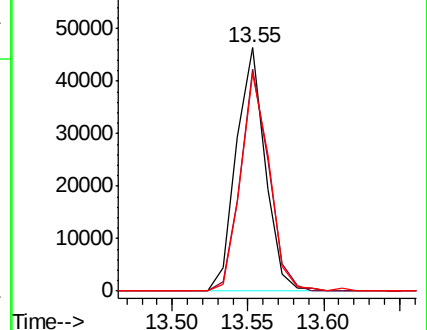
176 89.6 0.0 211.8

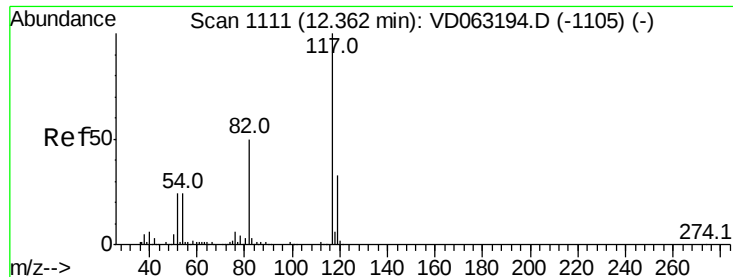


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

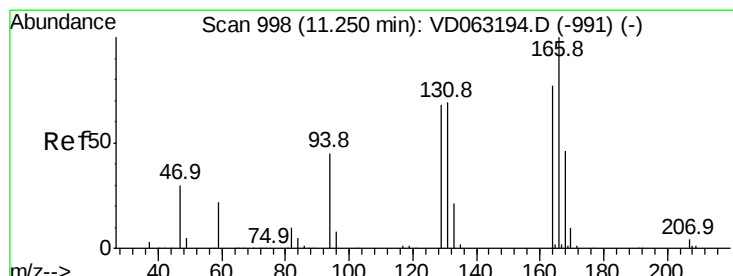
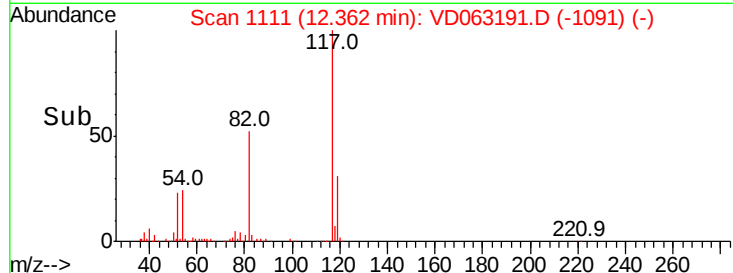
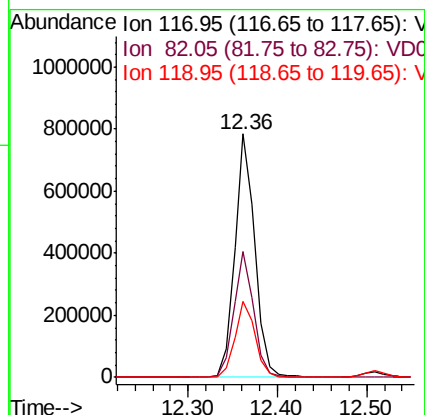
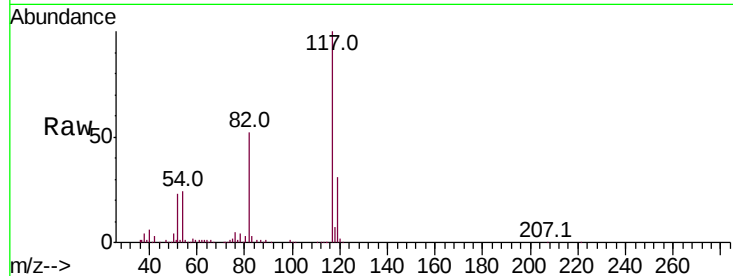




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

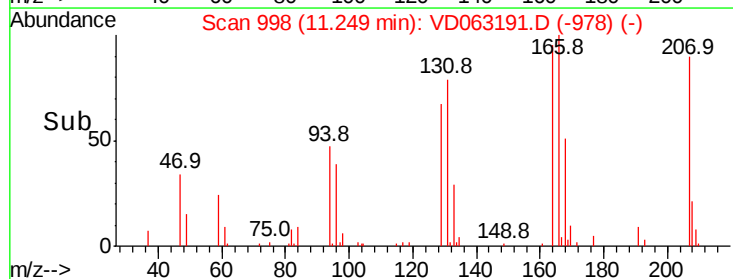
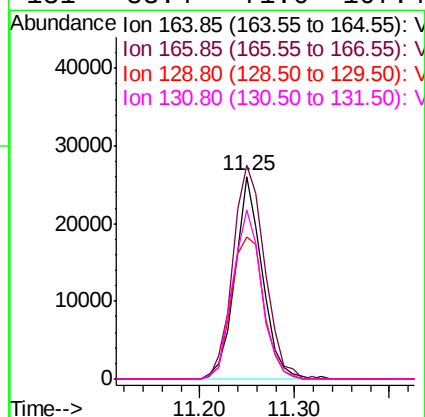
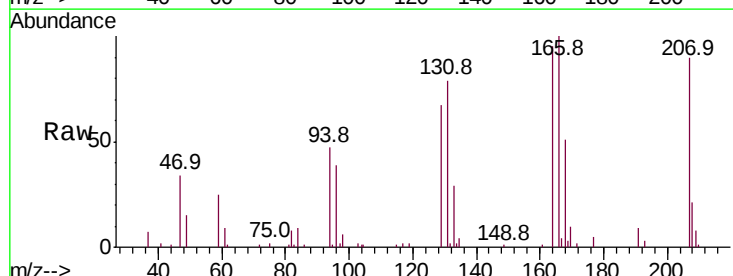
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

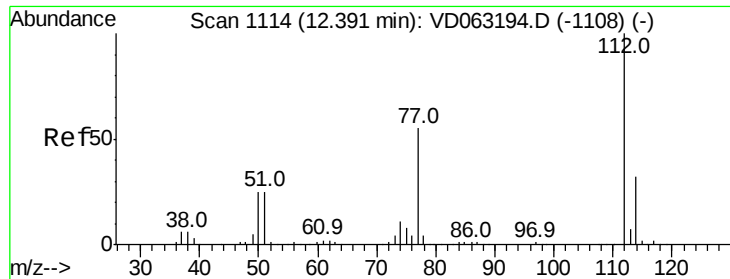
Tot Ion:117 Resp: 1237176
Ion Ratio Lower Upper
117 100
82 51.9 40.1 60.1
119 31.0 26.5 39.7



#64
Tetrachloroethene
Concen: 5.264 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion:164 Resp: 51883
Ion Ratio Lower Upper
164 100
166 105.6 104.3 156.5
129 70.3 70.9 106.3#
131 83.4 71.6 107.4

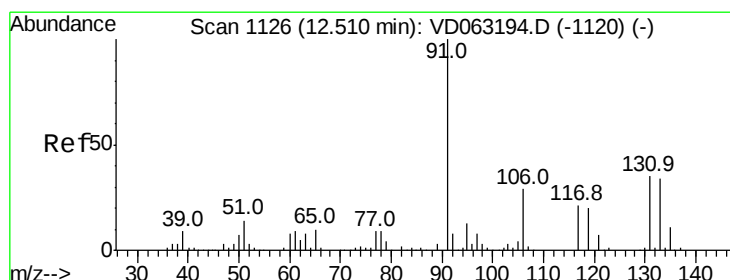
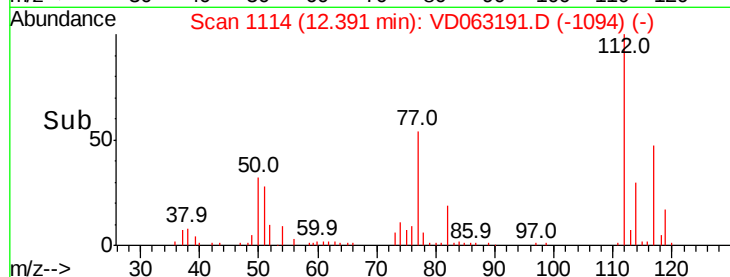
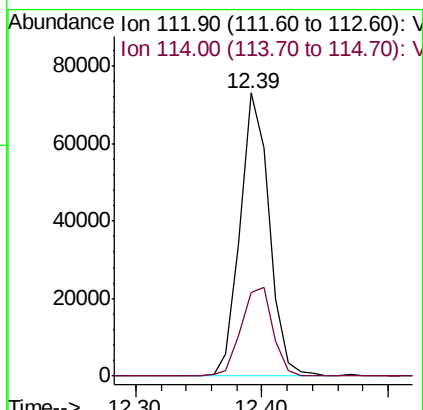
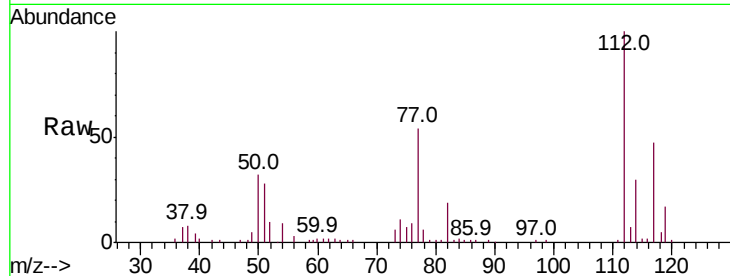




#65
Chlorobenzene
Concen: 4.892 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

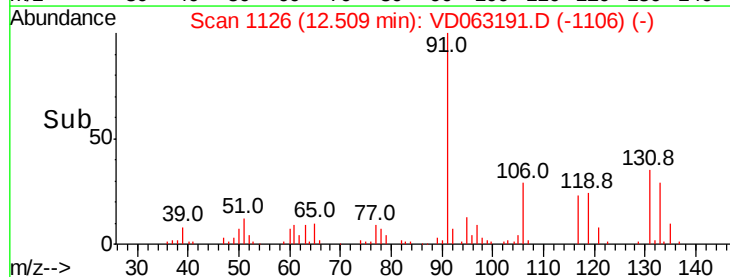
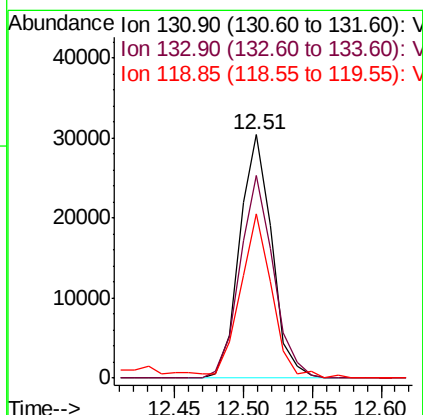
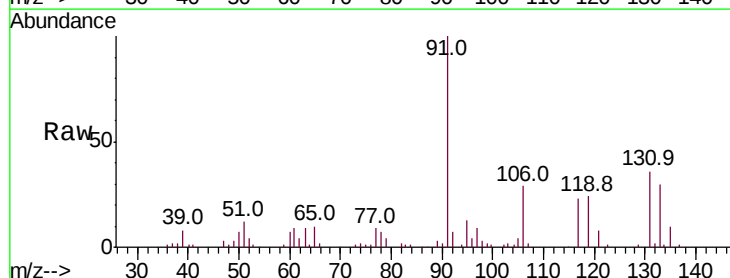
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

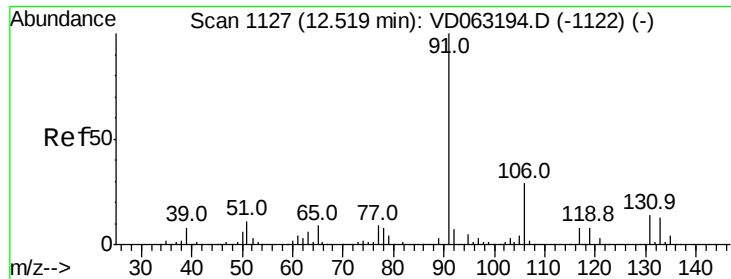
Tot Ion:112 Resp: 116423
Ion Ratio Lower Upper
112 100
114 29.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.703 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion:131 Resp: 49297
Ion Ratio Lower Upper
131 100
133 83.0 48.4 145.2
119 67.6 29.1 87.3

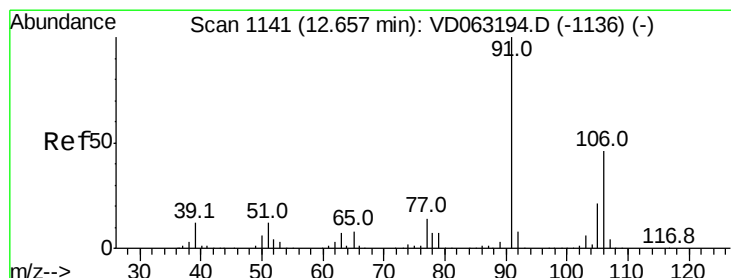
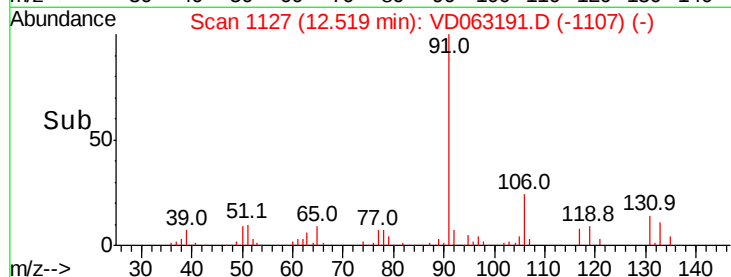
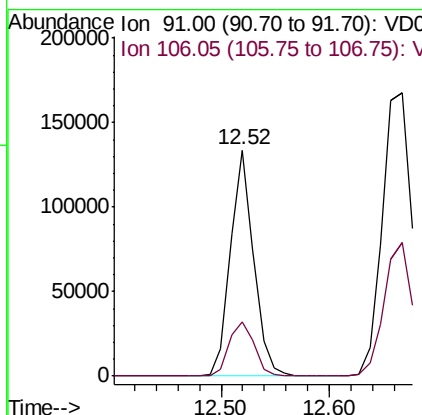
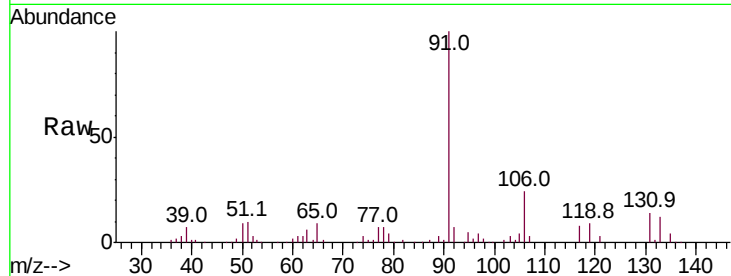




#67
Ethyl Benzene
Concen: 4.969 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

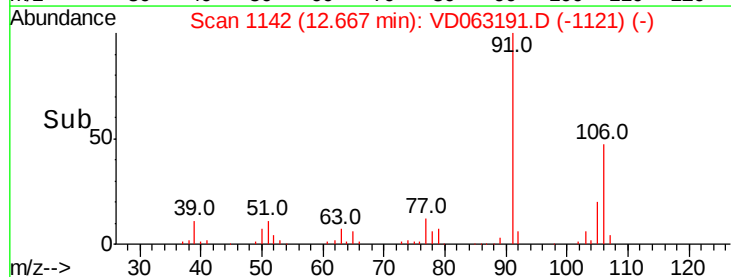
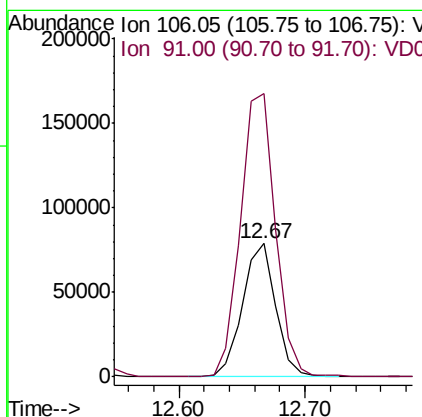
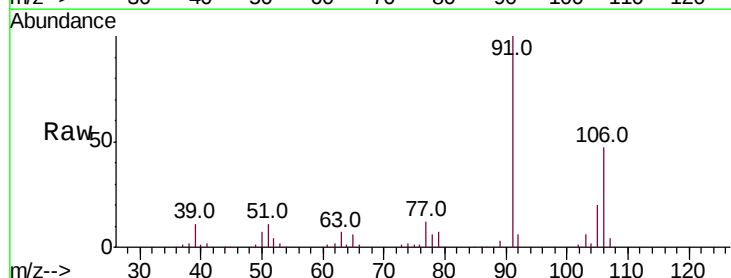
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

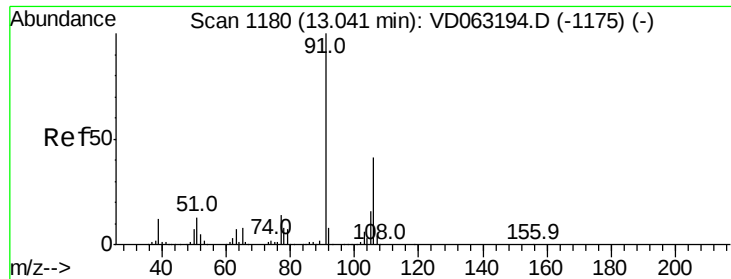
Tot Ion: 91 Resp: 200851
Ion Ratio Lower Upper
91 100
106 24.2 22.9 34.3



#68
m/p-Xylenes
Concen: 9.653 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion: 106 Resp: 143100
Ion Ratio Lower Upper
106 100
91 212.4 172.6 259.0

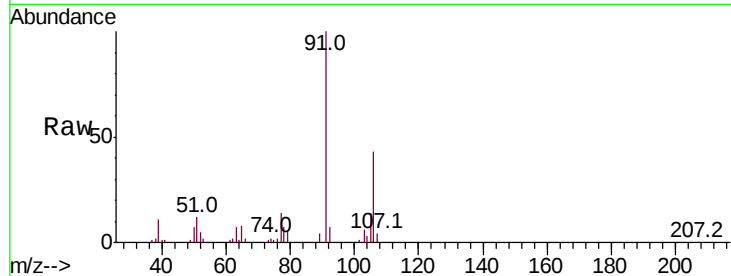




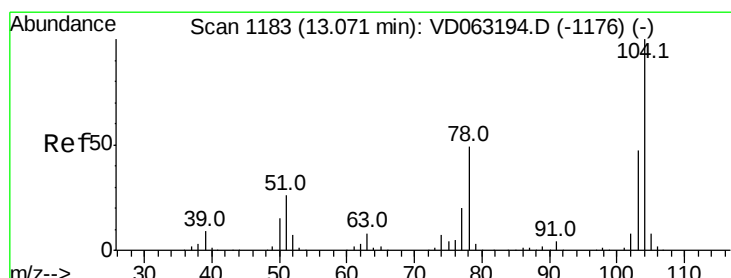
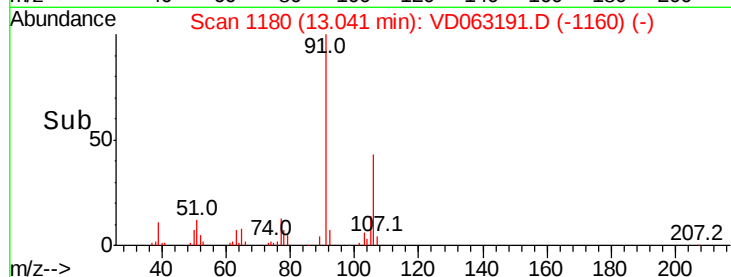
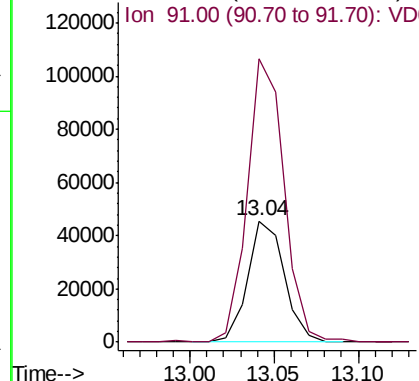
#69
o-Xylene
Concen: 5.048 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 68722
Ion Ratio Lower Upper
106 100
91 234.2 121.3 363.9

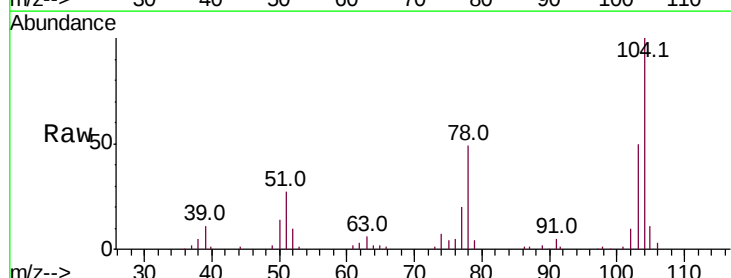


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

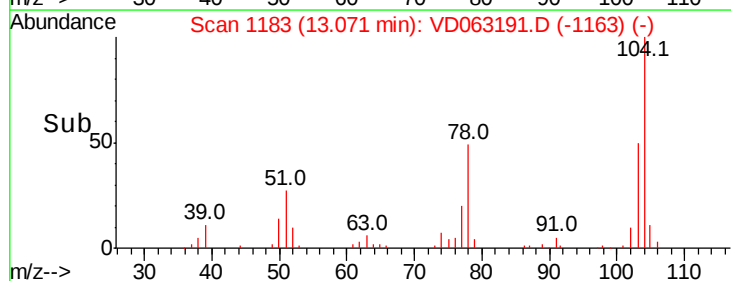
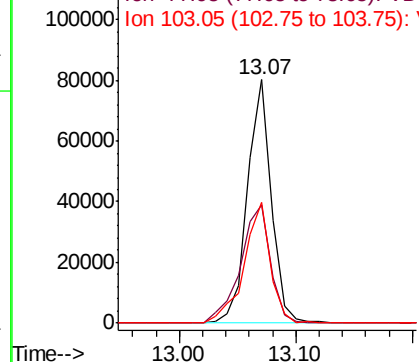


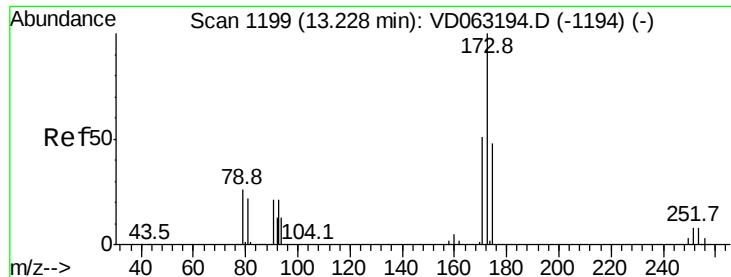
#70
Styrene
Concen: 4.713 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion:104 Resp: 113795
Ion Ratio Lower Upper
104 100
78 48.6 39.4 59.0
103 49.6 37.4 56.2



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

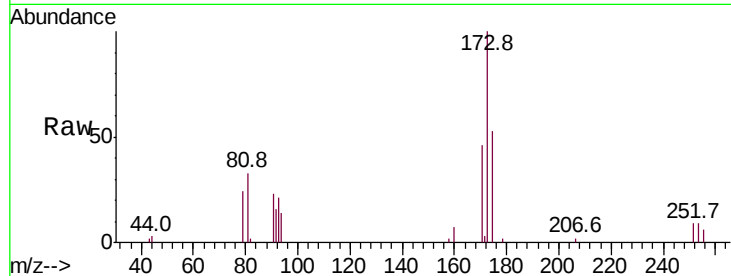




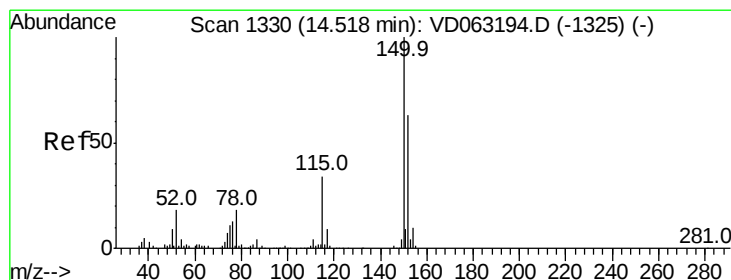
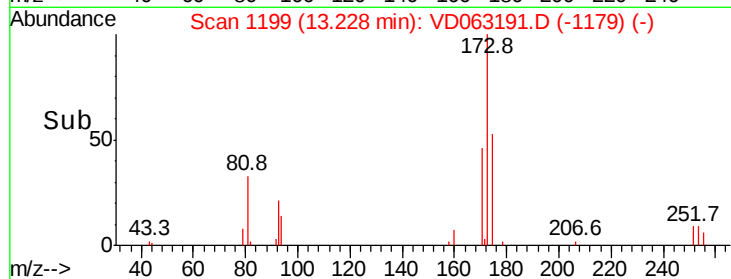
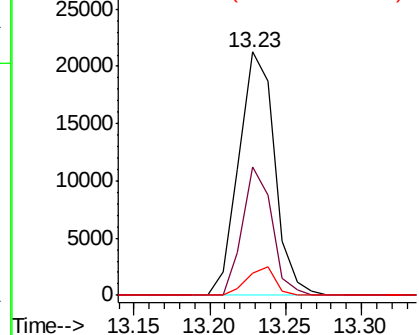
#71
Bromoform
Concen: 4.589 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 34978
Ion Ratio Lower Upper
173 100
175 52.8 23.8 71.5
254 9.2 6.6 10.0

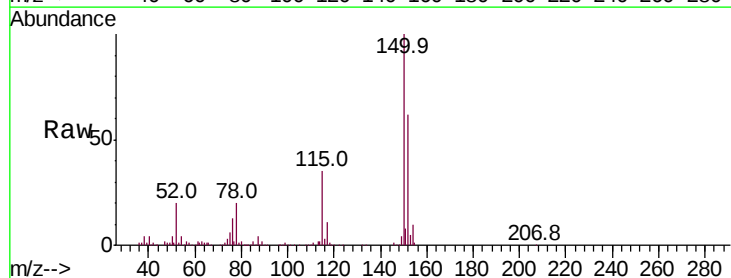


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

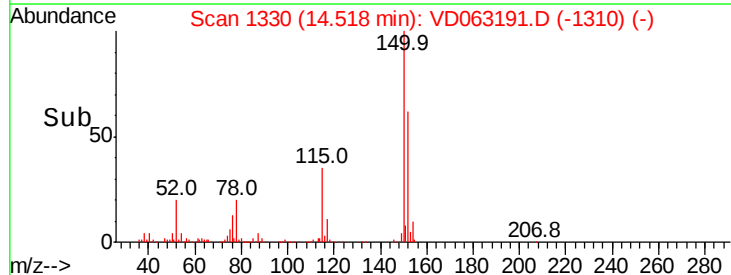
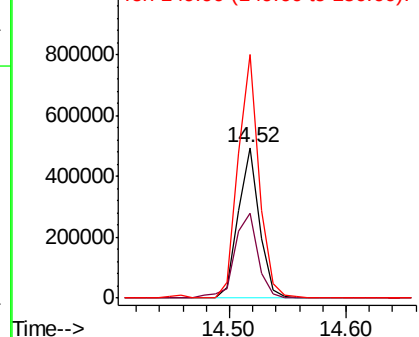


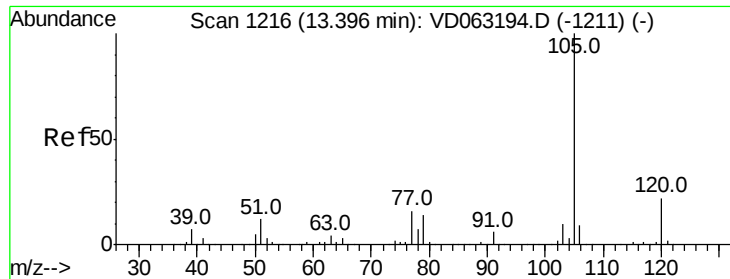
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion:152 Resp: 619391
Ion Ratio Lower Upper
152 100
115 56.2 27.5 82.4
150 162.1 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.188 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampled :

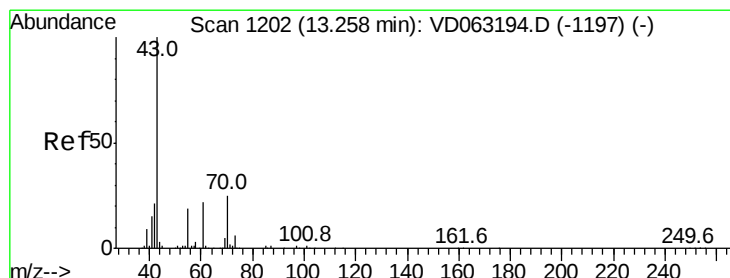
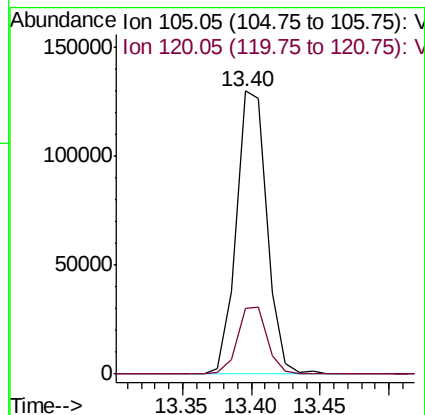
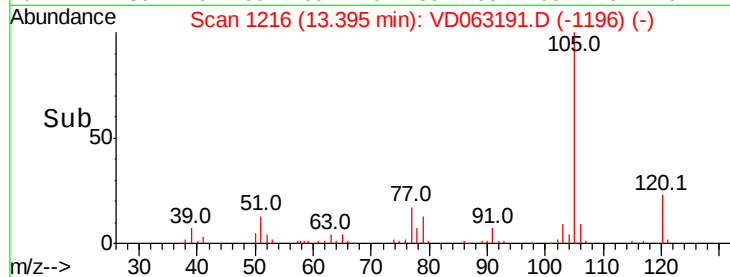
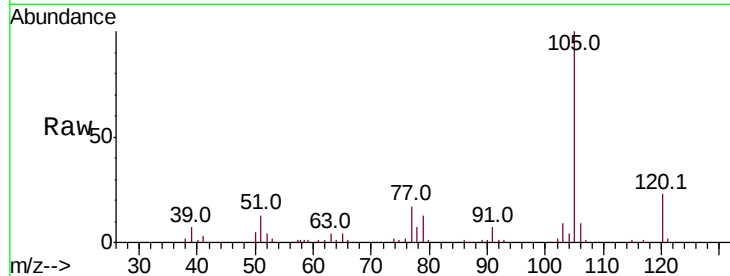
VSTDIC005

Tot Ion:105 Resp: 201667

Ion Ratio Lower Upper

105 100

120 23.1 11.1 33.3



#74

N-ethyl acetate

Concen: 4.539 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Tgt Ion: 43 Resp: 46652

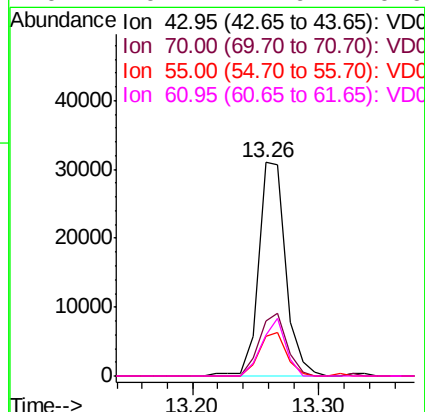
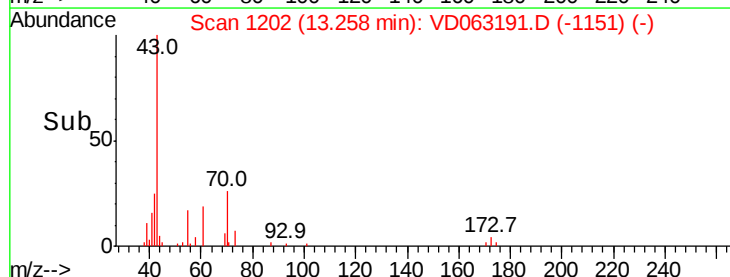
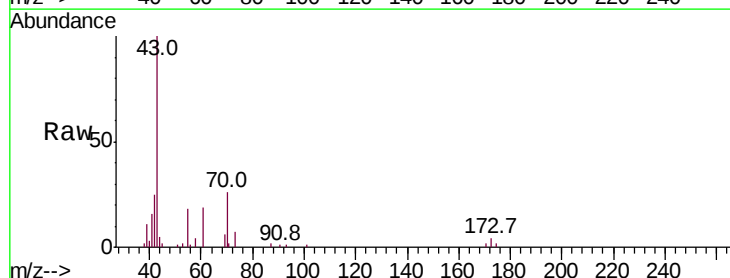
Ion Ratio Lower Upper

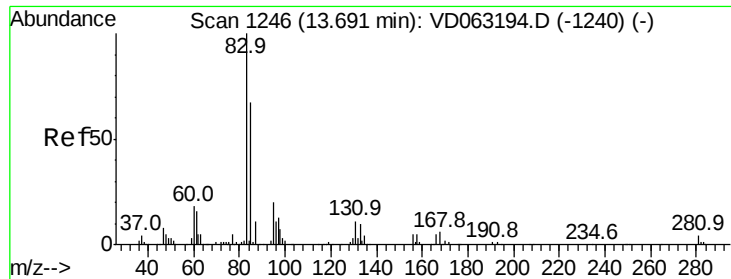
43 100

70 25.6 20.2 30.4

55 18.4 14.9 22.3

61 19.2 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 4.470 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

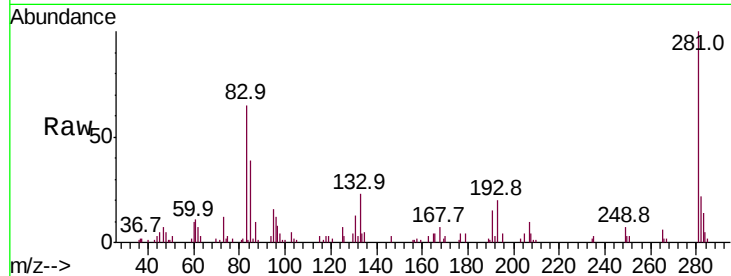
Tot Ion: 83 Resp: 29515

Ion Ratio Lower Upper

83 100

131 20.3 5.5 16.7#

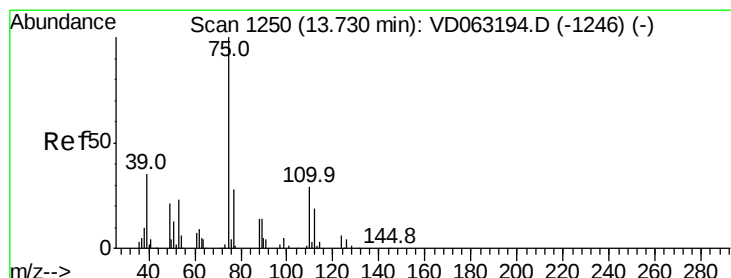
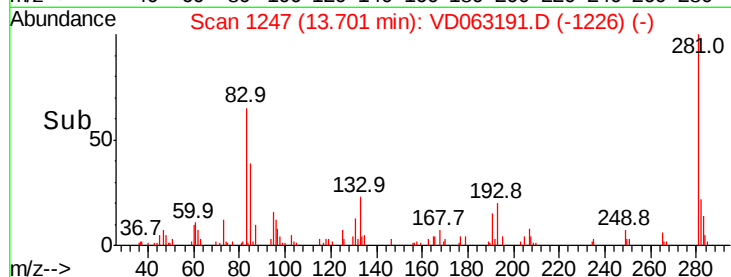
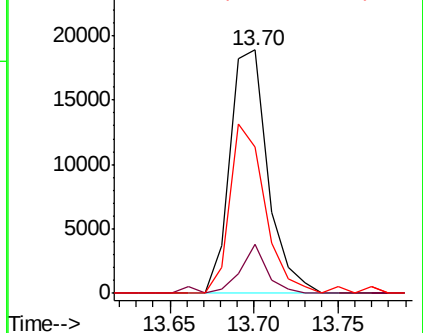
85 60.0 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 4.522 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063191.D

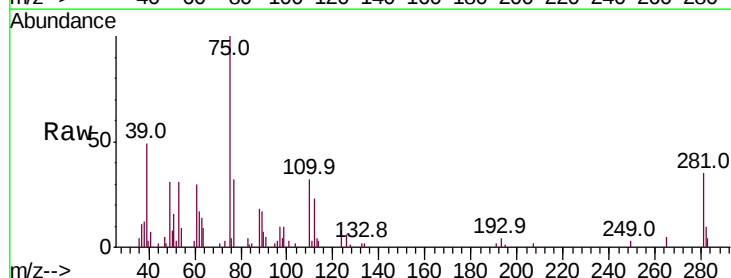
Acq: 29 Jul 2019 10:47

Tgt Ion: 75 Resp: 33640

Ion Ratio Lower Upper

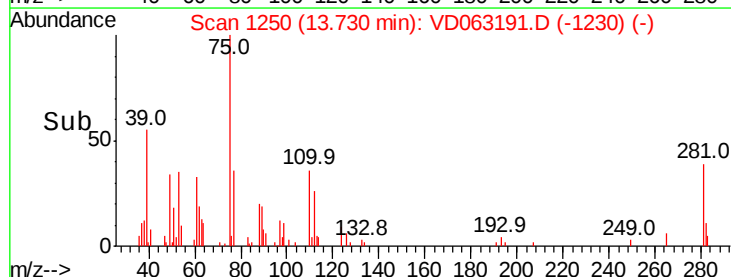
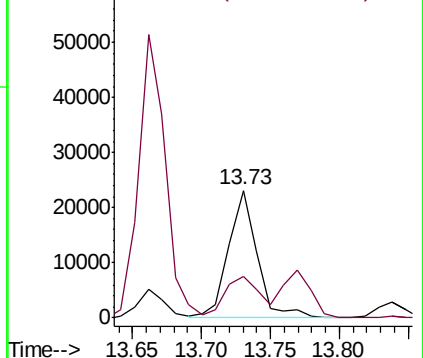
75 100

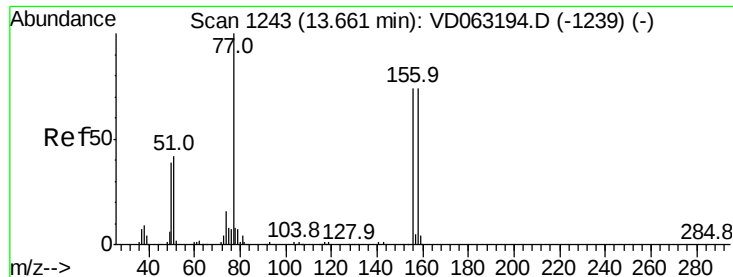
77 32.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 4.938 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

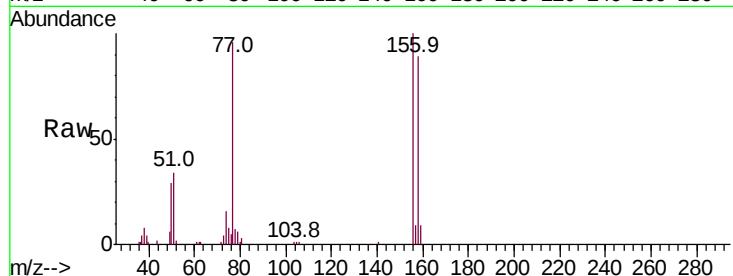
Tot Ion:156 Resp: 54687

Ion Ratio Lower Upper

156 100

77 96.4 67.6 202.8

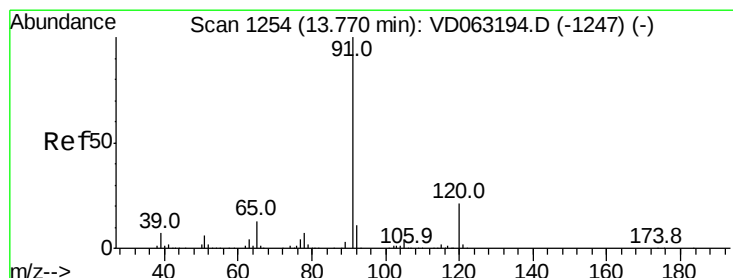
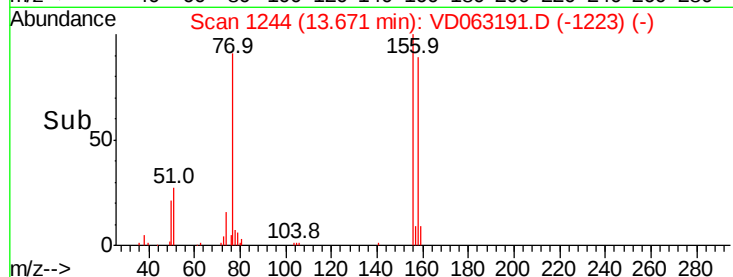
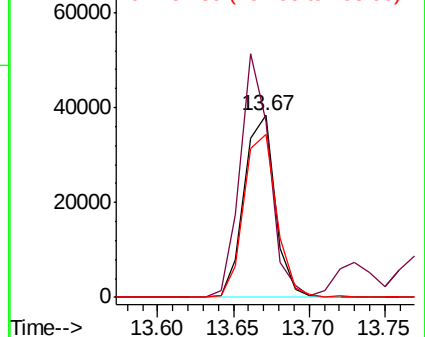
158 89.5 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.401 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063191.D

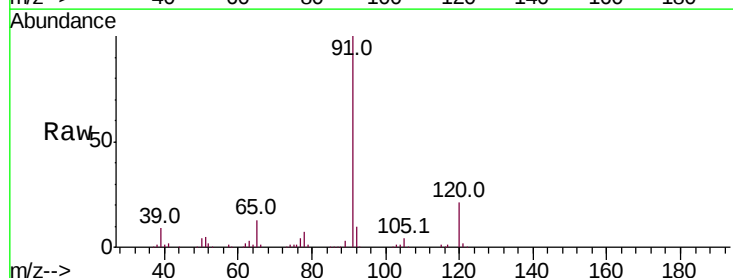
Acq: 29 Jul 2019 10:47

Tgt Ion: 91 Resp: 249864

Ion Ratio Lower Upper

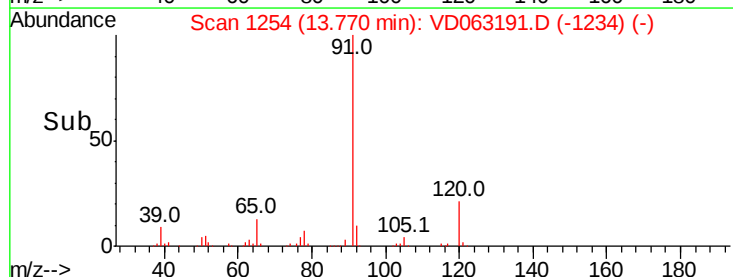
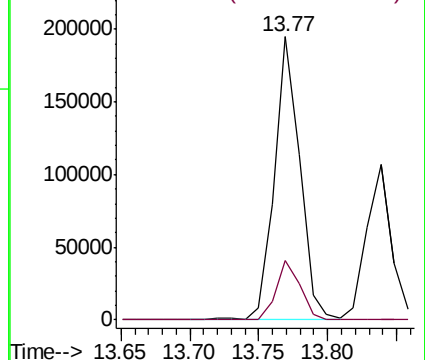
91 100

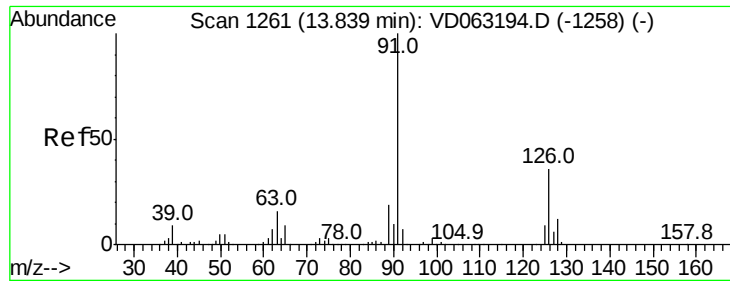
120 21.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 5.024 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

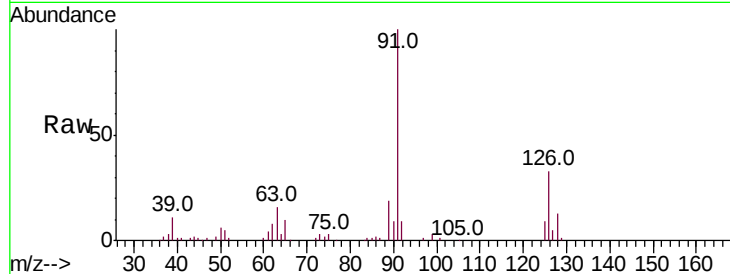
VSTDIC005

Tot Ion: 91 Resp: 134680

Ion Ratio Lower Upper

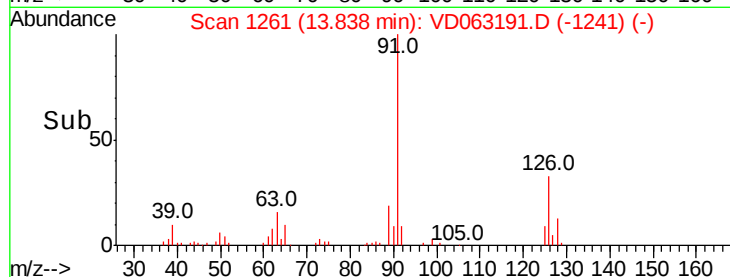
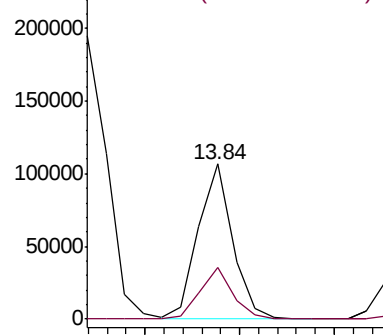
91 100

126 33.4 17.8 53.5

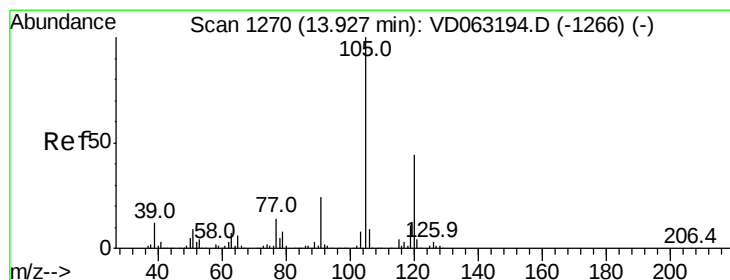


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.211 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063191.D

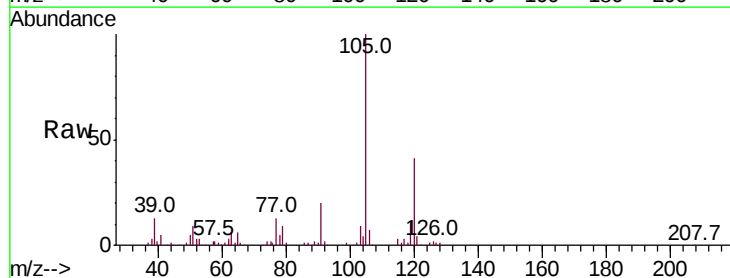
Acq: 29 Jul 2019 10:47

Tgt Ion:105 Resp: 174727

Ion Ratio Lower Upper

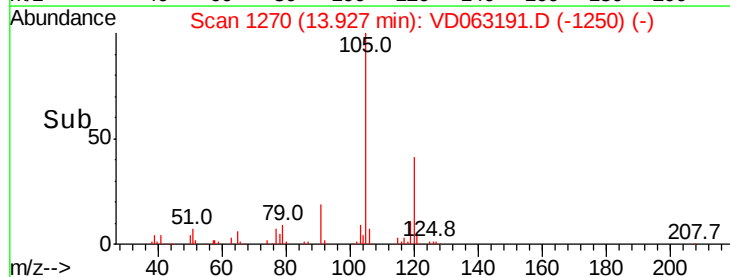
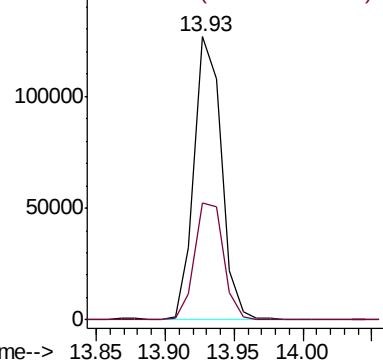
105 100

120 41.4 22.1 66.1

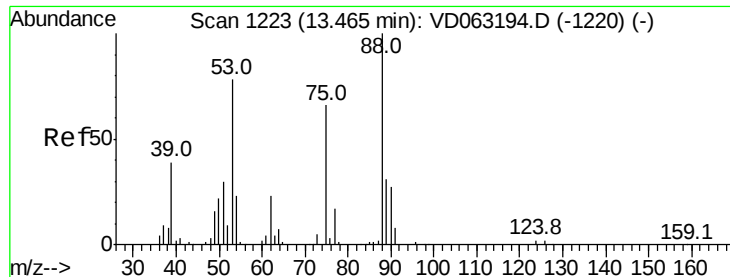


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 4.897 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

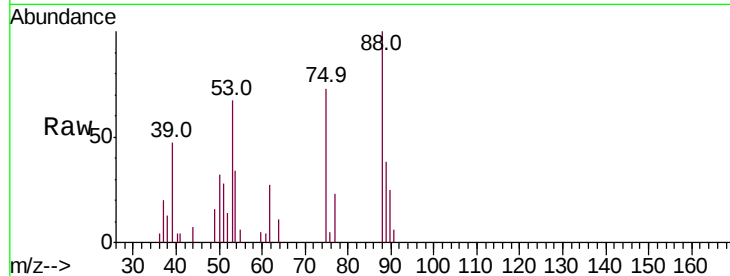
Tot Ion: 75 Resp: 10116

Ion Ratio Lower Upper

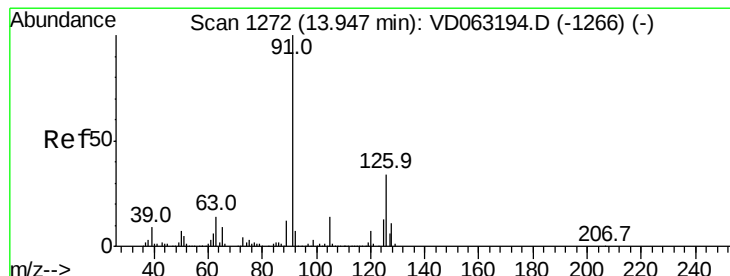
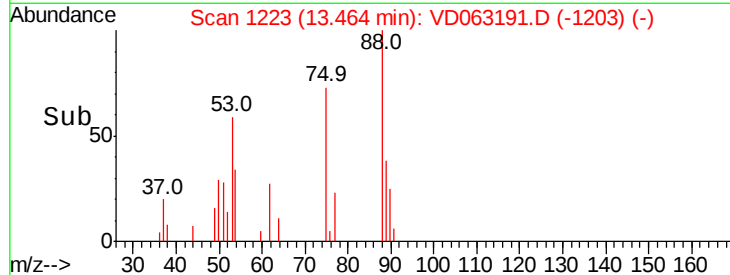
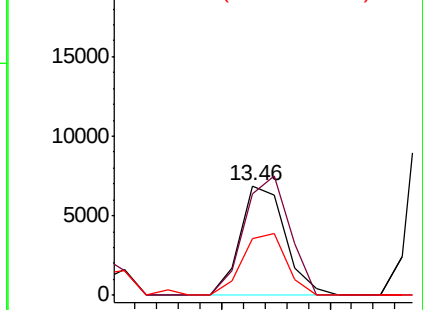
75 100

53 92.6 94.9 142.3#

89 51.9 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 4.993 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063191.D

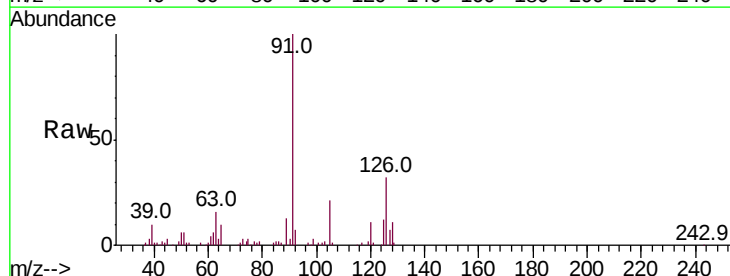
Acq: 29 Jul 2019 10:47

Tgt Ion: 91 Resp: 157505

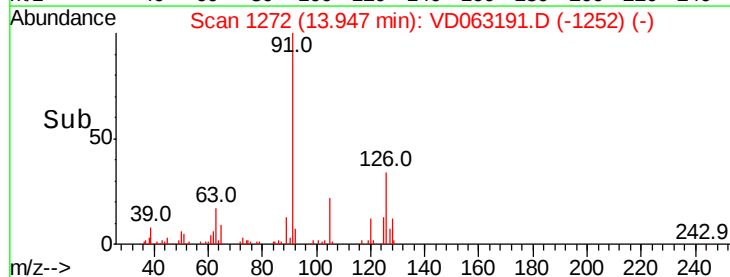
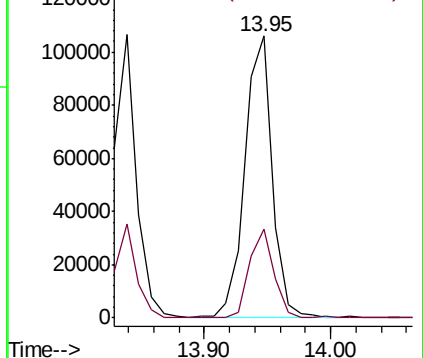
Ion Ratio Lower Upper

91 100

126 31.7 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 5.144 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

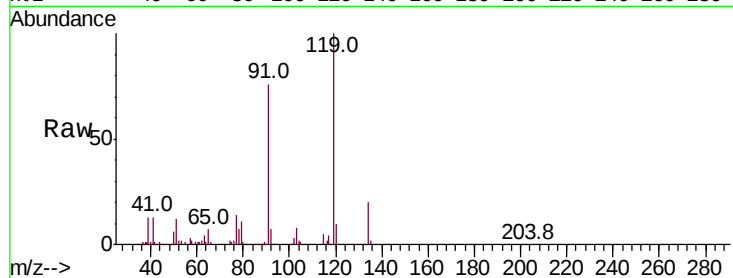
Tot Ion:119 Resp: 196949

Ion Ratio Lower Upper

119 100

91 76.1 39.1 117.5

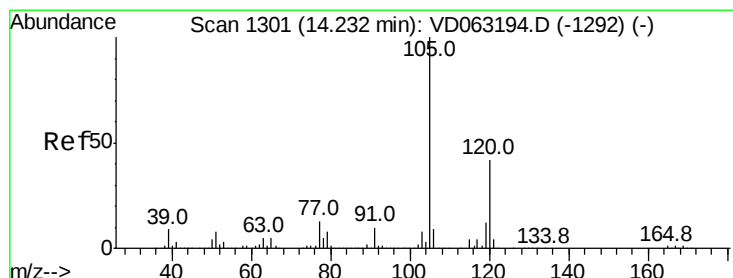
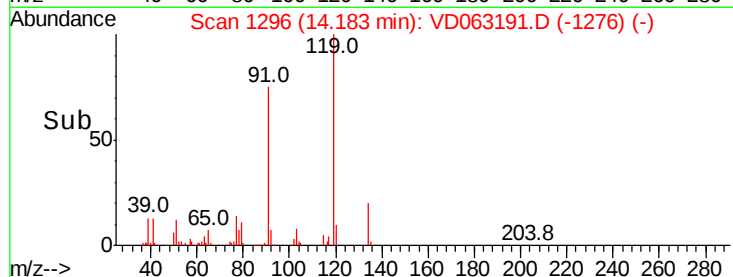
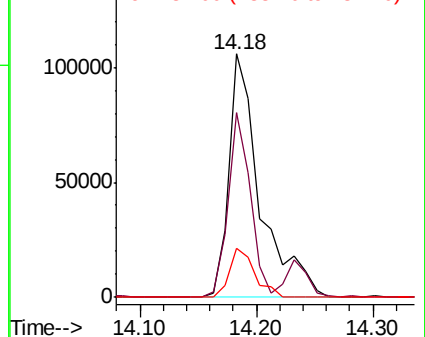
134 20.3 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.164 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063191.D

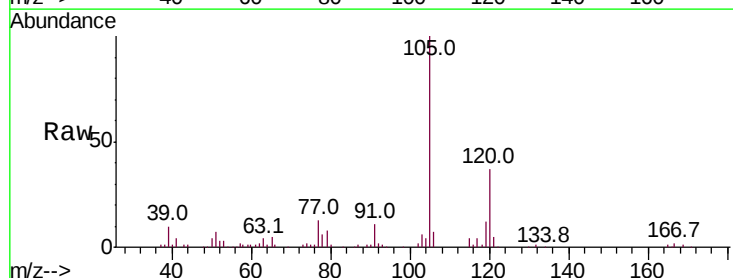
Acq: 29 Jul 2019 10:47

Tgt Ion:105 Resp: 179101

Ion Ratio Lower Upper

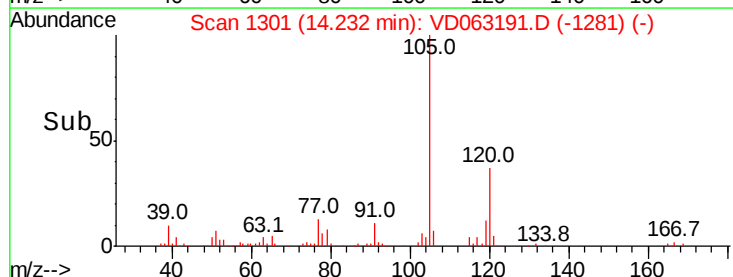
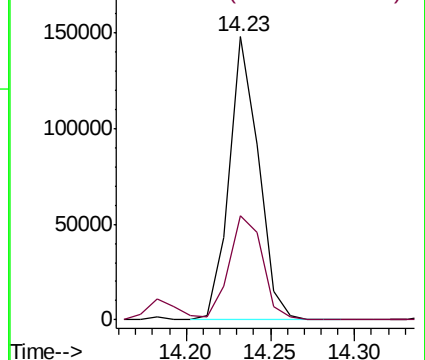
105 100

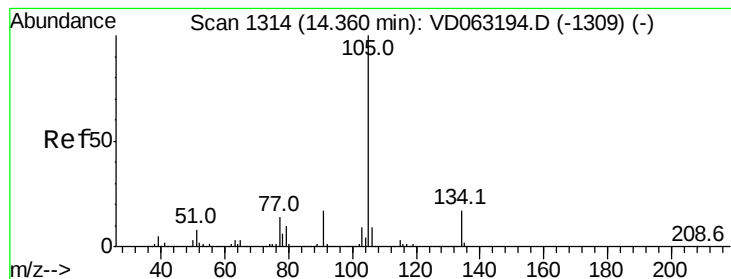
120 36.9 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 5.232 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

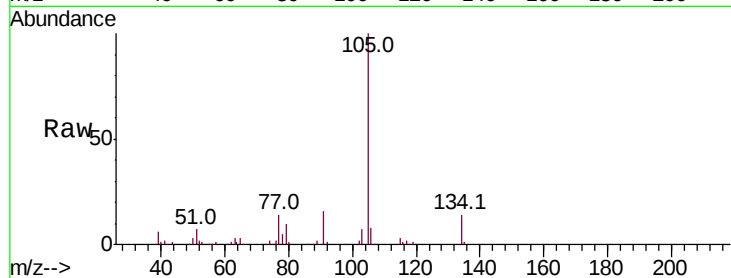
VSTDIC005

Tot Ion:105 Resp: 211023

Ion Ratio Lower Upper

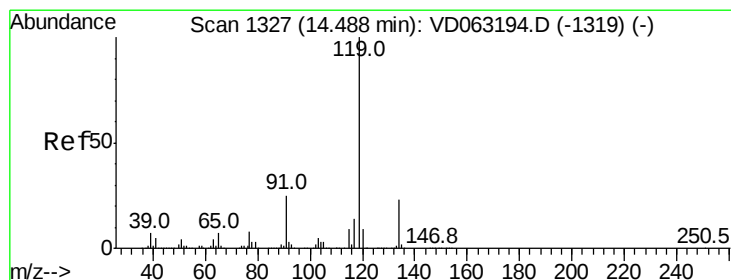
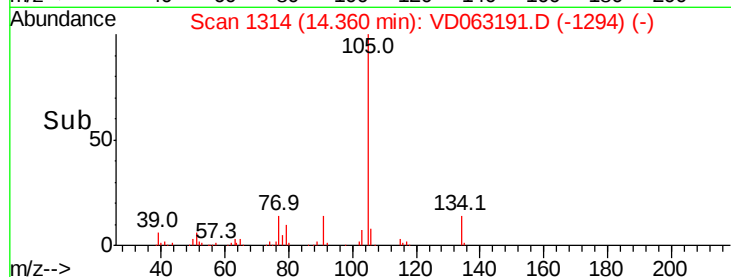
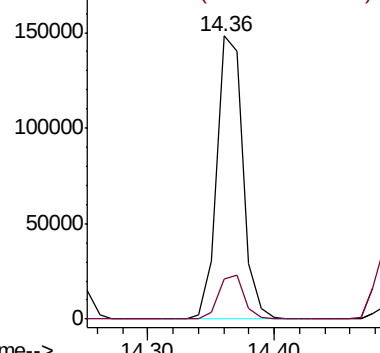
105 100

134 14.0 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 5.403 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

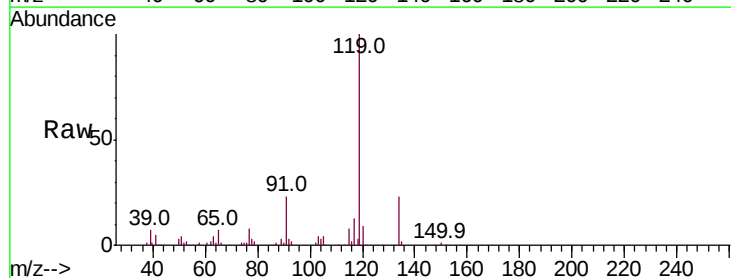
Tgt Ion:119 Resp: 207996

Ion Ratio Lower Upper

119 100

134 22.5 11.5 34.5

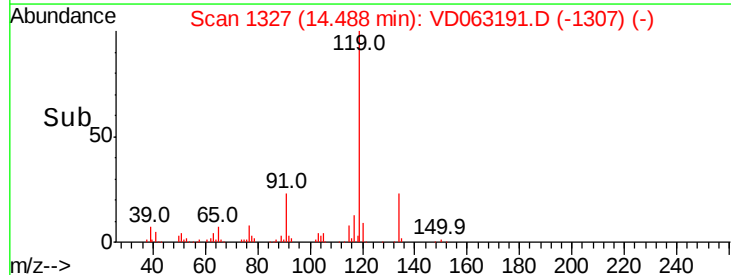
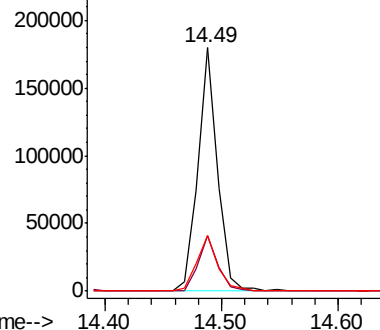
91 22.9 12.6 37.6

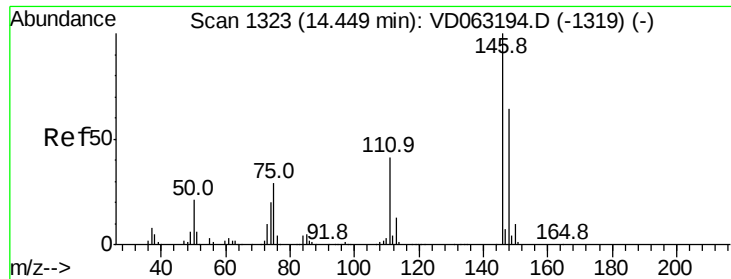


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.556 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

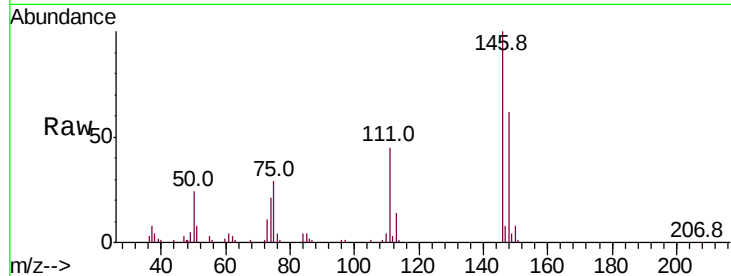
Tot Ion:146 Resp: 108956

Ion Ratio Lower Upper

146 100

111 45.3 20.4 61.3

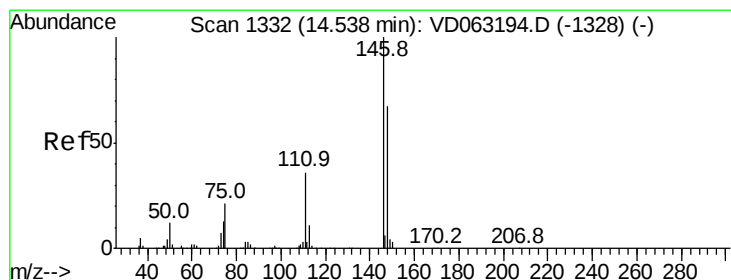
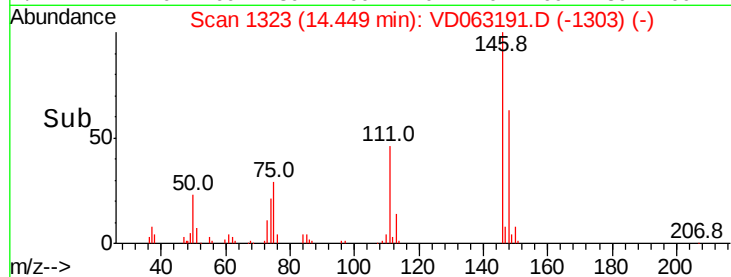
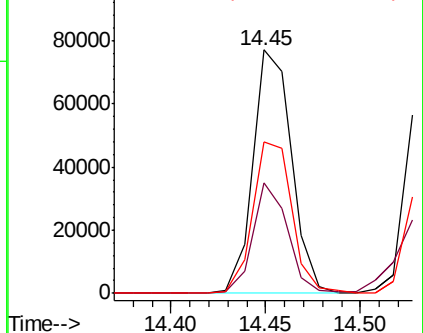
148 62.3 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 5.091 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

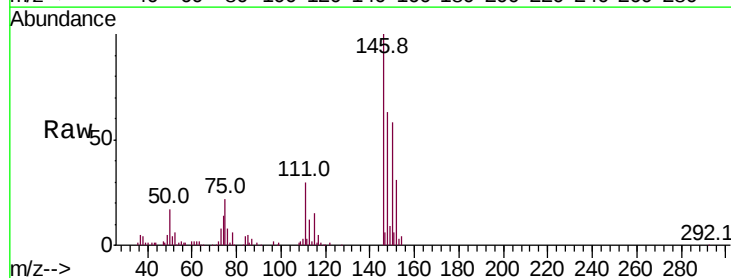
Tgt Ion:146 Resp: 100957

Ion Ratio Lower Upper

146 100

111 30.1 18.1 54.3

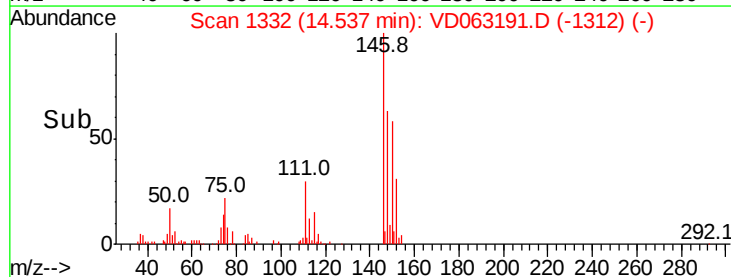
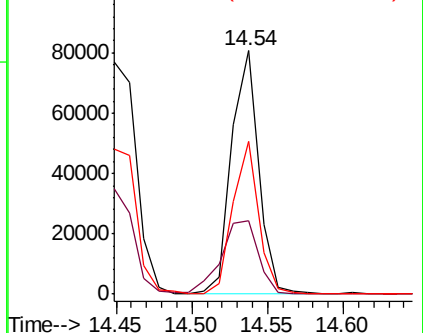
148 62.8 33.4 100.1

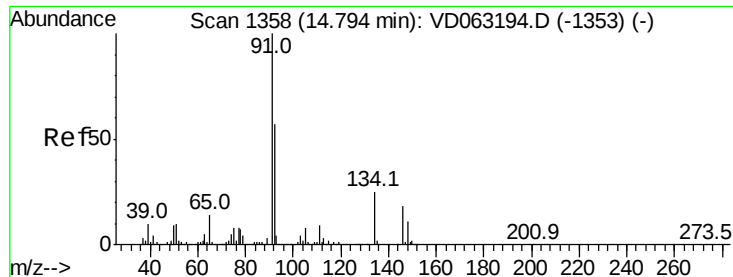


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 5.098 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063191.D

Acq: 29 Jul 2019 10:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

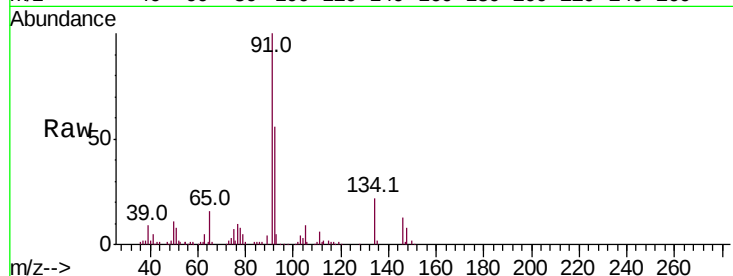
Tot Ion: 91 Resp: 169502

Ion Ratio Lower Upper

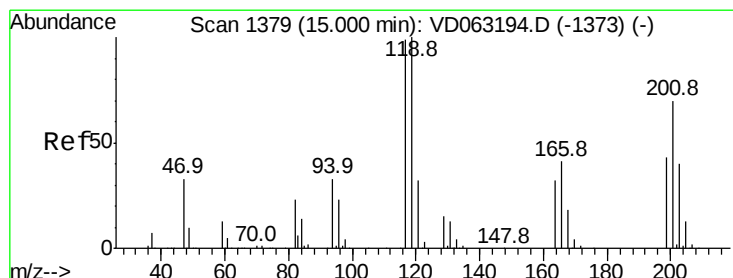
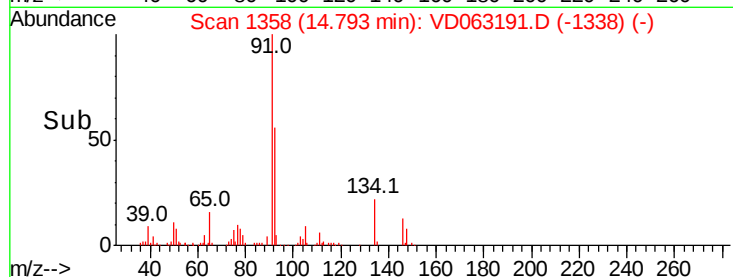
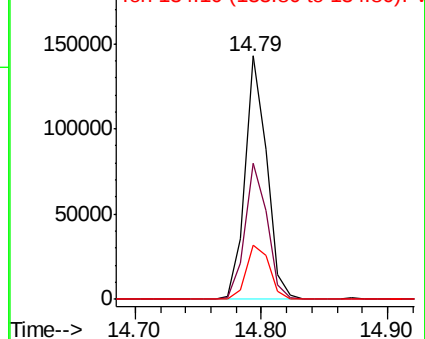
91 100

92 55.9 28.3 85.0

134 22.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 5.083 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063191.D

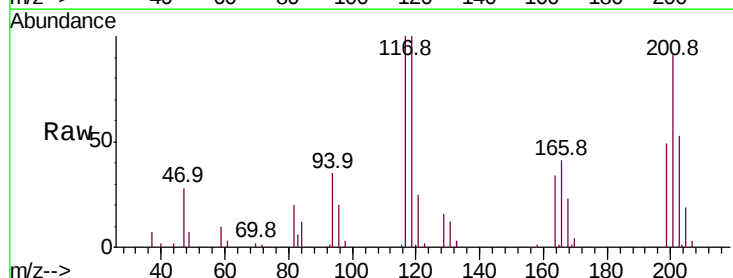
Acq: 29 Jul 2019 10:47

Tgt Ion: 117 Resp: 50982

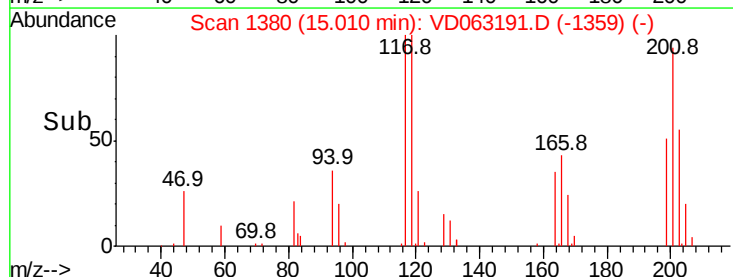
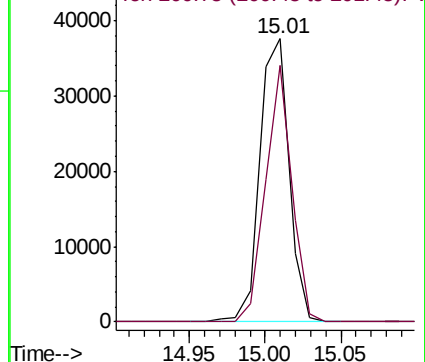
Ion Ratio Lower Upper

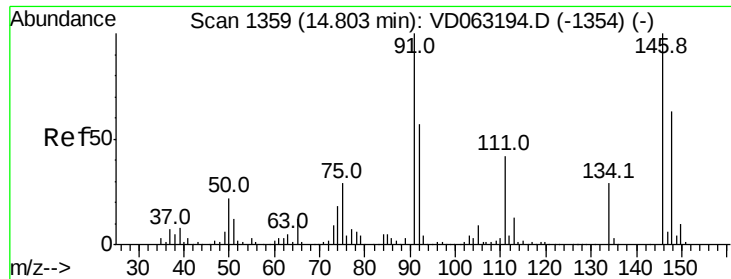
117 100

201 90.7 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

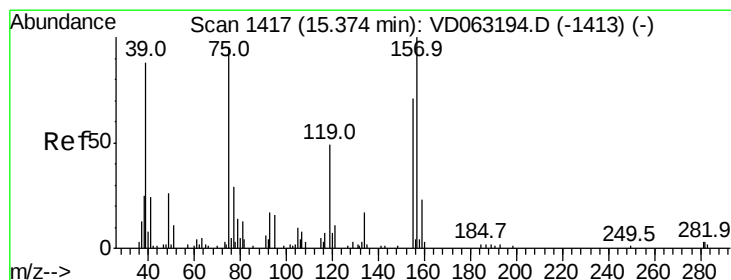
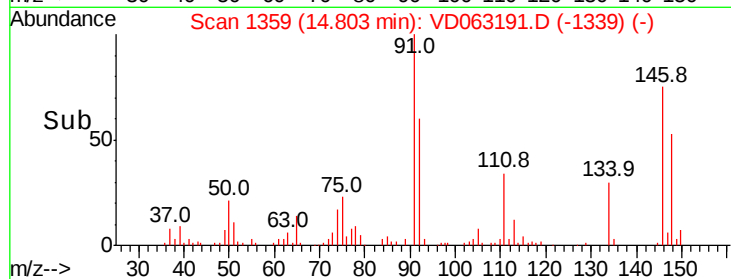
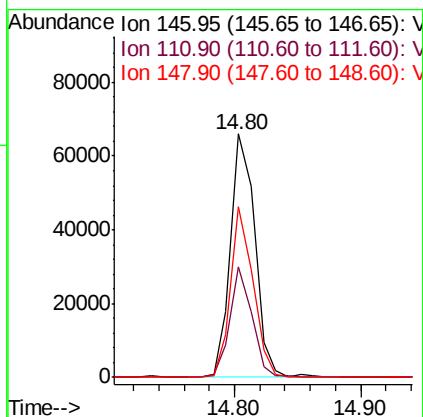
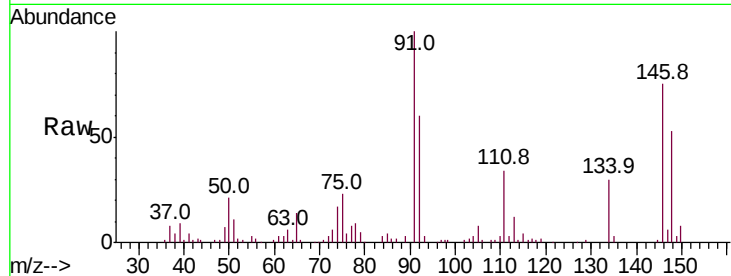




#91
 1,2-Dichlorobenzene
 Concen: 5.160 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063191.D
 Acq: 29 Jul 2019 10:47

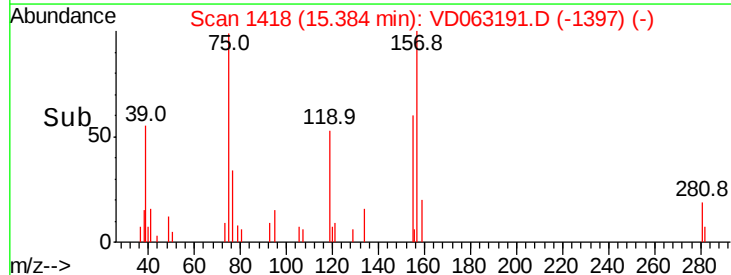
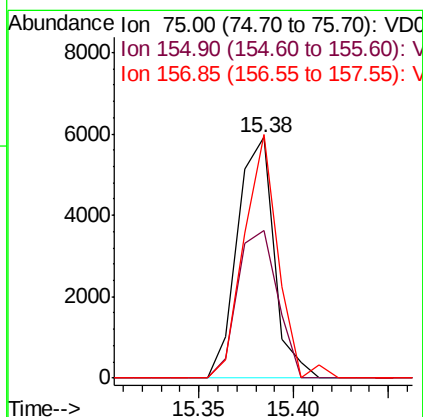
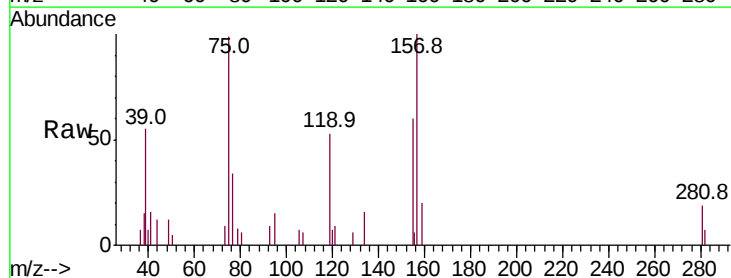
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

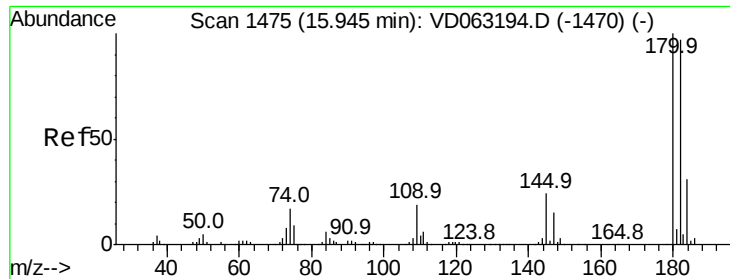
Tot Ion:146 Resp: 88168
 Ion Ratio Lower Upper
 146 100
 111 45.3 21.1 63.3
 148 70.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.890 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063191.D
 Acq: 29 Jul 2019 10:47

Tgt Ion: 75 Resp: 7923
 Ion Ratio Lower Upper
 75 100
 155 61.2 37.0 111.0
 157 101.3 52.4 157.2

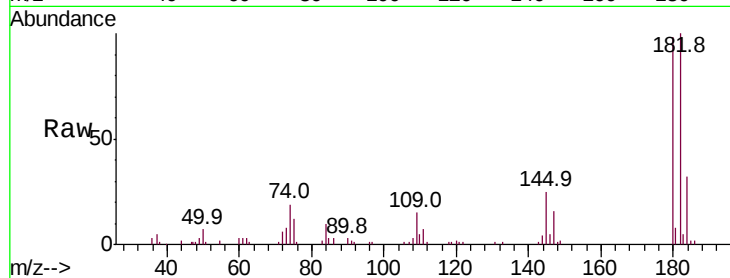




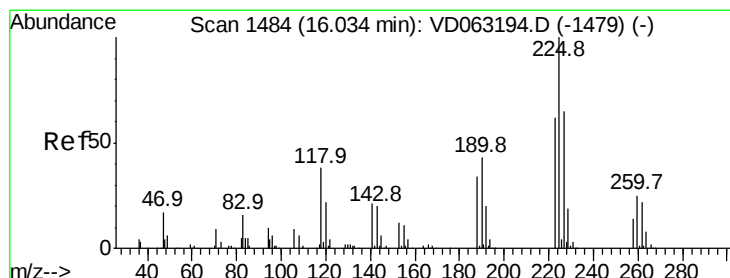
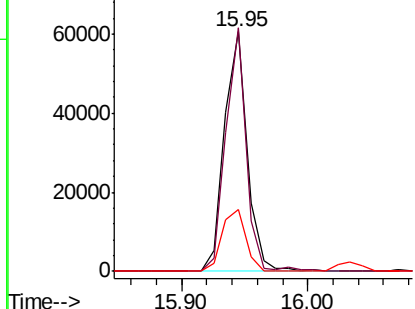
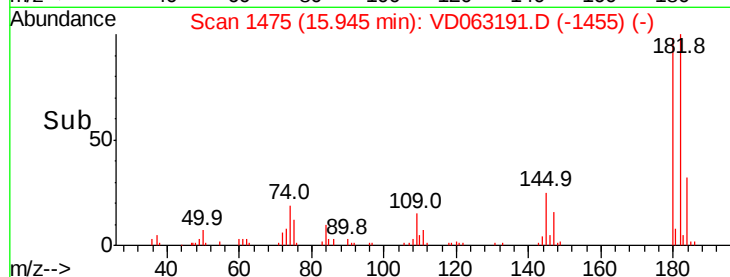
#93
 1,2,4-Trichlorobenzene
 Concen: 5.586 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063191.D
 Acq: 29 Jul 2019 10:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 75719
 Ion Ratio Lower Upper
 180 100
 182 101.7 48.6 145.8
 145 25.8 12.2 36.6

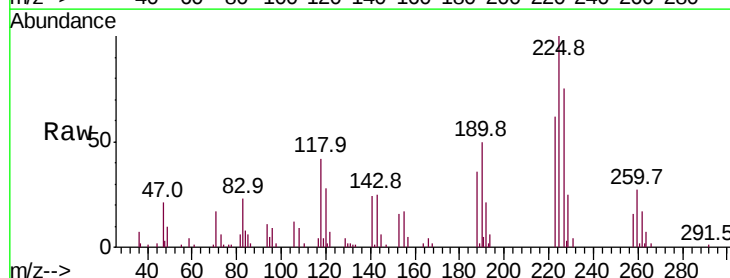


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

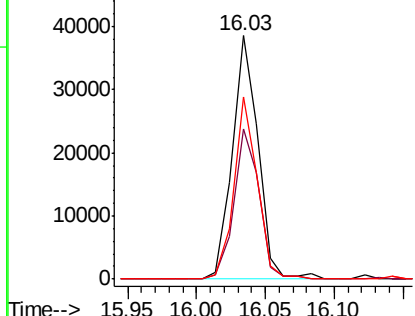
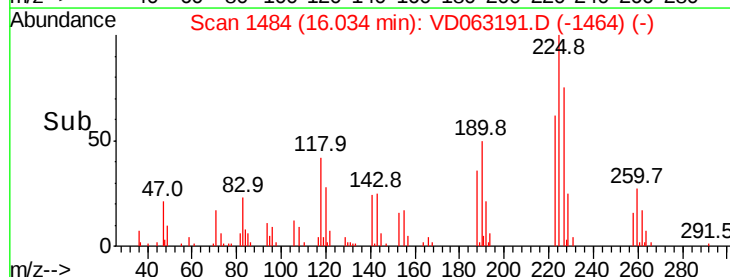


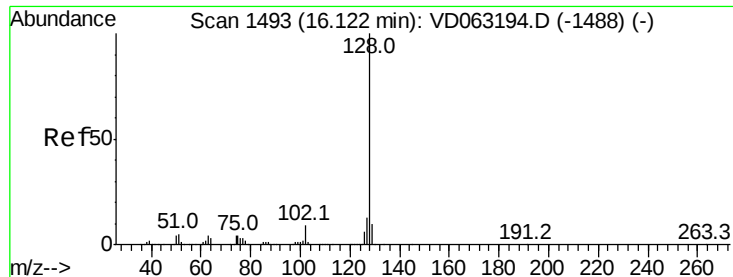
#94
 Hexachlorobutadiene
 Concen: 5.082 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063191.D
 Acq: 29 Jul 2019 10:47

Tgt Ion:225 Resp: 49921
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.9 92.5
 227 75.0 32.6 97.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

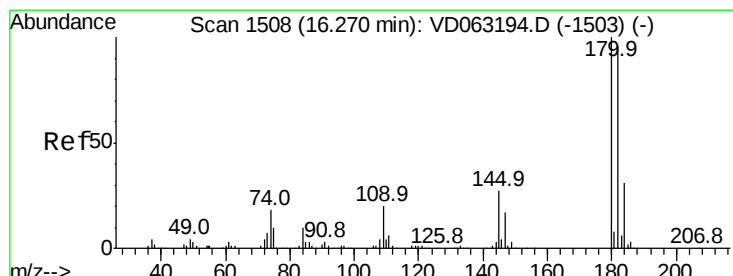
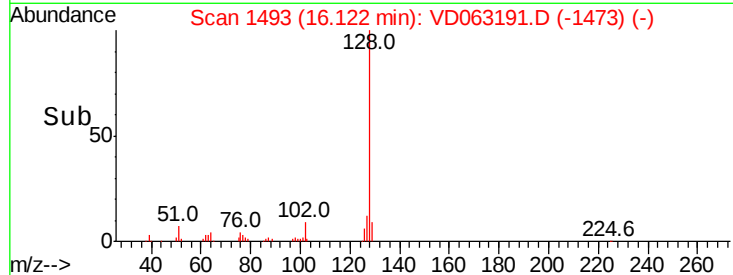
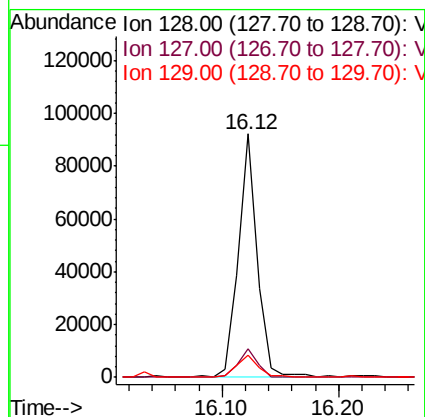
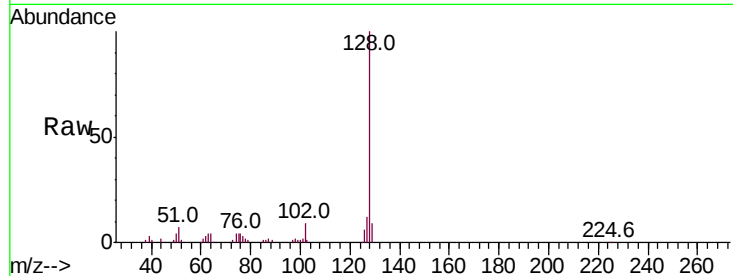




#95
Naphthalene
Concen: 5.436 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 104146
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.4
129 9.3 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 5.623 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063191.D
Acq: 29 Jul 2019 10:47

Tgt Ion:180 Resp: 60210
Ion Ratio Lower Upper
180 100
182 102.8 48.3 144.9
145 29.8 13.6 40.7

