

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080919\
 Data File : VD063470.D
 Acq On : 9 Aug 2019 13:35
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 10 06:22:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1130122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1672653	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1324015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	715110	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	59607	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
35) Dibromofluoromethane	6.93	113	62317	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	
50) Toluene-d8	10.42	98	140493	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
62) 4-Bromofluorobenzene	13.57	95	68975	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	67868	4.956	ug/l #	72
3) Chloromethane	1.75	50	58717	5.488	ug/l	97
4) Vinyl Chloride	1.85	62	51052	4.807	ug/l #	82
5) Bromomethane	2.16	94	27604	5.538	ug/l #	89
6) Chloroethane	2.28	64	25310	5.211	ug/l	98
7) Trichlorofluoromethane	2.54	101	103451	4.966	ug/l	91
8) Diethyl Ether	2.88	74	15942	5.420	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	64019	5.204	ug/l	95
10) Methyl Iodide	3.31	142	71641	4.117	ug/l #	78
11) Tert butyl alcohol	4.10	59	11115	21.105	ug/l #	71
12) 1,1-Dichloroethene	3.13	96	45862	5.018	ug/l #	88
13) Acrolein	3.04	56	12099	23.336	ug/l #	72
14) Allyl chloride	3.63	41	70880	5.162	ug/l	94
15) Acrylonitrile	4.22	53	33736	24.184	ug/l #	94
16) Acetone	3.24	43	54788	22.145	ug/l #	89
17) Carbon Disulfide	3.39	76	143112	4.960	ug/l	98
18) Methyl Acetate	3.65	43	25475	5.468	ug/l #	79
19) Methyl tert-butyl Ether	4.24	73	82416	4.506	ug/l #	82
20) Methylene Chloride	3.82	84	65751	6.182	ug/l #	92
21) trans-1,2-Dichloroethene	4.22	96	42399	4.406	ug/l	94
22) Diisopropyl ether	5.13	45	138154	4.872	ug/l	95
23) Vinyl Acetate	5.07	43	370150	22.472	ug/l	97
24) 1,1-Dichloroethane	4.99	63	80095	4.552	ug/l	98
25) 2-Butanone	6.10	43	52156	21.475	ug/l	98
26) 2,2-Dichloropropane	6.05	77	86197	4.918	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	48821	4.637	ug/l	94
28) Bromochloromethane	6.45	49	34631	4.856	ug/l	86
29) Tetrahydrofuran	6.48	42	27521	24.316	ug/l	98
30) Chloroform	6.68	83	112063	5.123	ug/l	90
31) Cyclohexane	6.96	56	53117	4.863	ug/l #	89
32) 1,1,1-Trichloroethane	6.89	97	99386	4.750	ug/l	91
36) 1,1-Dichloropropene	7.16	75	69743	4.717	ug/l	89
37) Ethyl Acetate	6.20	43	27615	4.468	ug/l	96
38) Carbon Tetrachloride	7.12	117	106365	4.773	ug/l	92

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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: Aug 10 06:22:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	54408	4.327	ug/l	88
40) Benzene	7.47	78	146465	4.501	ug/l #	88
41) Methacrylonitrile	6.45	41	33233	4.260	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	74893	4.577	ug/l	98
43) Isopropyl Acetate	9.26	43	34429	4.149	ug/l #	94
44) Trichloroethene	8.55	130	59990	4.822	ug/l	78
45) 1,2-Dichloropropane	8.95	63	33532	4.425	ug/l	99
46) Dibromomethane	9.08	93	29276	4.524	ug/l #	80
47) Bromodichloromethane	9.38	83	71997	4.337	ug/l	95
48) Methyl methacrylate	9.14	41	24592	4.370	ug/l	94
49) 1,4-Dioxane	9.10	88	2927	61.120	ug/l #	41
51) 4-Methyl-2-Pentanone	10.31	43	126645	22.303	ug/l	95
52) Toluene	10.52	92	97808	4.667	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	59192	4.369	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	65968	4.319	ug/l	88
55) 1,1,2-Trichloroethane	11.20	97	32066	4.529	ug/l	94
56) Ethyl methacrylate	11.06	69	30402	3.956	ug/l	94
57) 1,3-Dichloropropane	11.42	76	47868	4.473	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.88	63	83746	20.643	ug/l	97
59) 2-Hexanone	11.55	43	80715	19.535	ug/l	94
60) Dibromochloromethane	11.70	129	54490	4.230	ug/l	88
61) 1,2-Dibromoethane	11.81	107	38112	4.447	ug/l	93
64) Tetrachloroethene	11.26	164	48201	4.716	ug/l	87
65) Chlorobenzene	12.41	112	127075	5.121	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	51512	4.717	ug/l	95
67) Ethyl Benzene	12.53	91	214864	4.980	ug/l	97
68) m/p-Xylenes	12.67	106	143384	9.459	ug/l	91
69) o-Xylene	13.06	106	67764	4.645	ug/l	92
70) Styrene	13.07	104	130844	5.042	ug/l	98
71) Bromoform	13.24	173	31734	4.238	ug/l	92
73) Isopropylbenzene	13.41	105	209006	4.595	ug/l	90
74) N-amyl acetate	13.27	43	54102	4.738	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.71	83	32602	4.318	ug/l	83
76) 1,2,3-Trichloropropane	13.73	75	38633	4.707	ug/l	95
77) Bromobenzene	13.68	156	57926	4.660	ug/l	89
78) n-propylbenzene	13.77	91	259990	4.885	ug/l	90
79) 2-Chlorotoluene	13.84	91	152844	4.982	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	193321	4.864	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	9604	4.354	ug/l	83
82) 4-Chlorotoluene	13.95	91	183584	4.975	ug/l	96
83) tert-Butylbenzene	14.20	119	205815	4.918	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	184118	5.007	ug/l	89
85) sec-Butylbenzene	14.37	105	231172	5.201	ug/l	99
86) p-Isopropyltoluene	14.49	119	209942	4.940	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	112784	5.016	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	104392	4.839	ug/l	96
89) n-Butylbenzene	14.81	91	202331	5.217	ug/l	99
90) Hexachloroethane	15.01	117	51015	4.776	ug/l	84
91) 1,2-Dichlorobenzene	14.82	146	99331	5.207	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	6318	4.444	ug/l	91

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Acq On : 9 Aug 2019 13:35
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Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Aug 10 06:22:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:19:37 2019
Response via : Initial Calibration

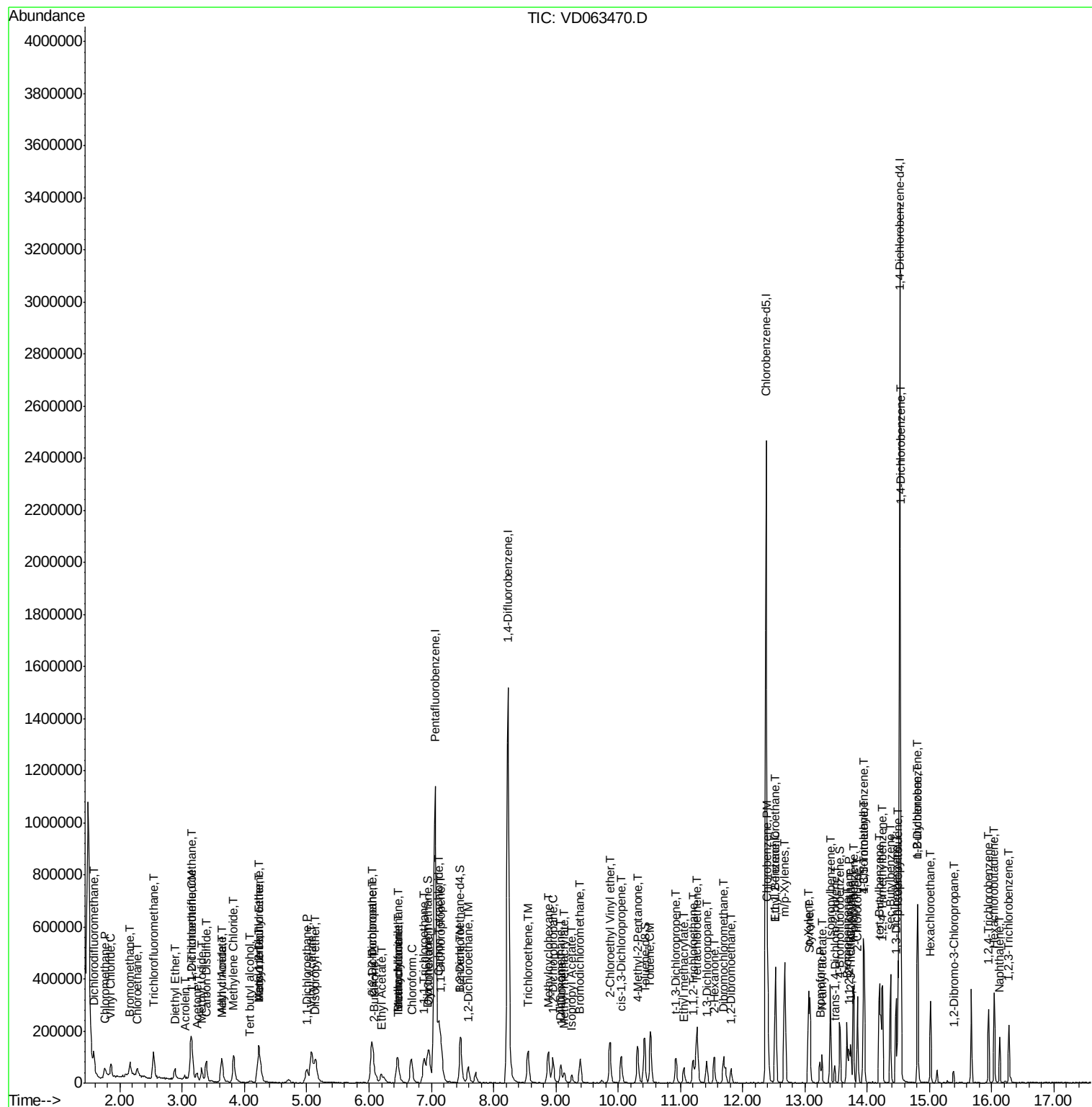
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	66771	4.757	ug/l	92
94) Hexachlorobutadiene	16.04	225	54155	5.062	ug/l	96
95) Naphthalene	16.13	128	97530	4.584	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	52777	4.655	ug/l	86

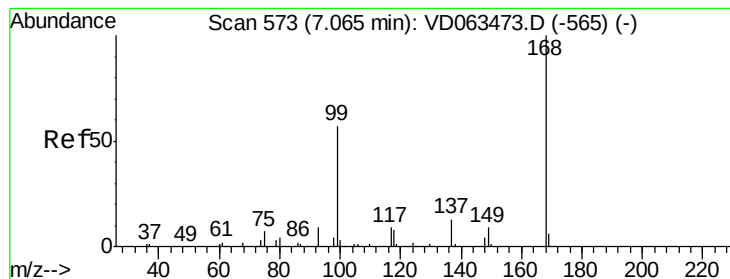
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080919\
Data File : VD063470.D
Acq On : 9 Aug 2019 13:35
Operator : JC/SY
Sample : VSTDIC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Quant Time: Aug 10 06:22:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:19:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

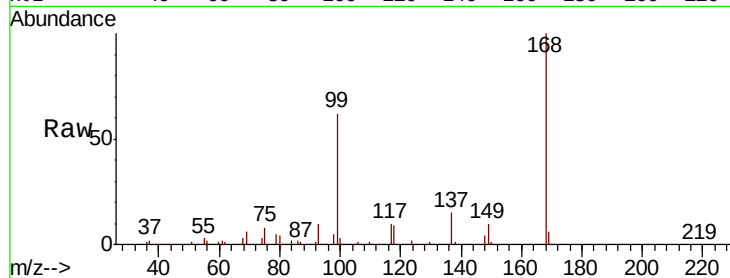
VSTDIC005

Tgt Ion:168 Resp: 1130122

Ion Ratio Lower Upper

168 100

99 62.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

300000

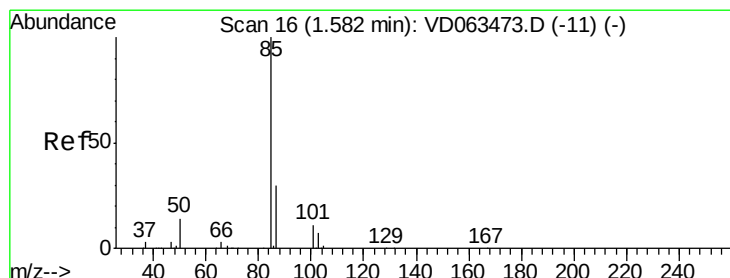
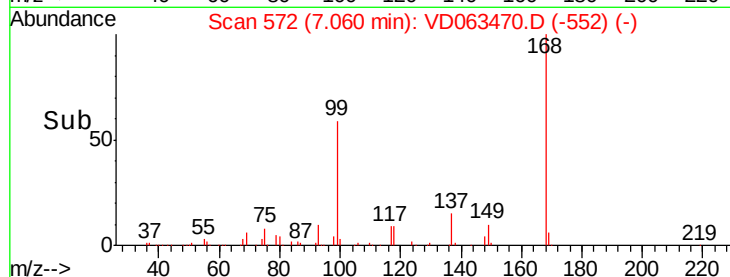
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 4.956 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063470.D

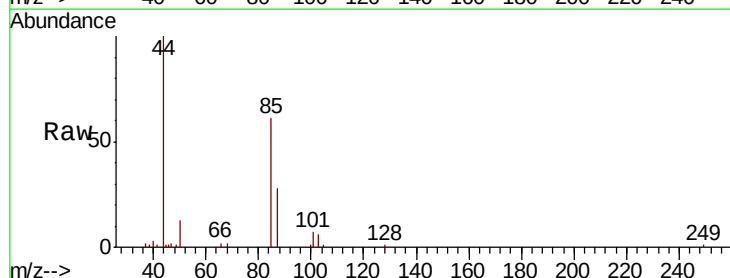
Acq: 9 Aug 2019 13:35

Tgt Ion: 85 Resp: 67868

Ion Ratio Lower Upper

85 100

87 45.3 15.0 45.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

30000

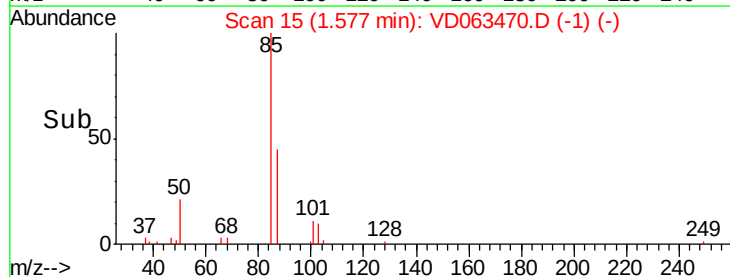
20000

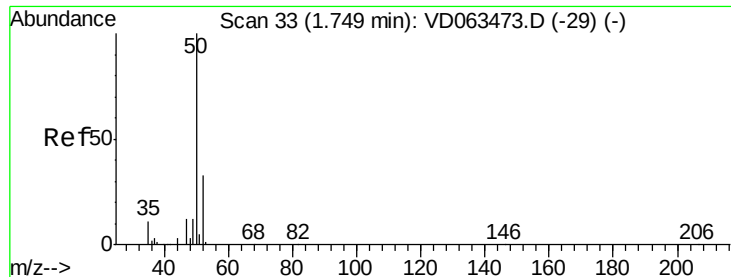
10000

0

Time-->

1.50 1.60 1.70





#3

Chloromethane

Concen: 5.488 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

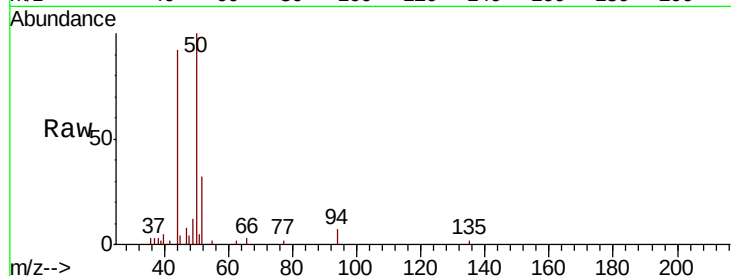
VSTDIC005

Tgt Ion: 50 Resp: 58717

Ion Ratio Lower Upper

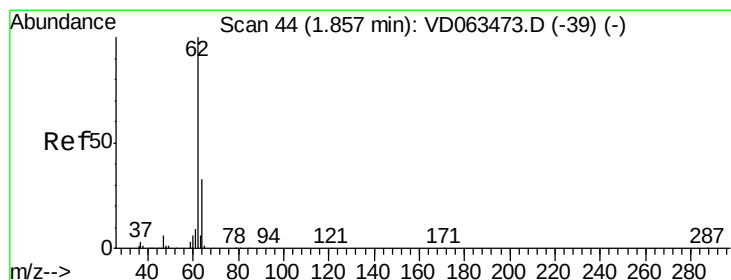
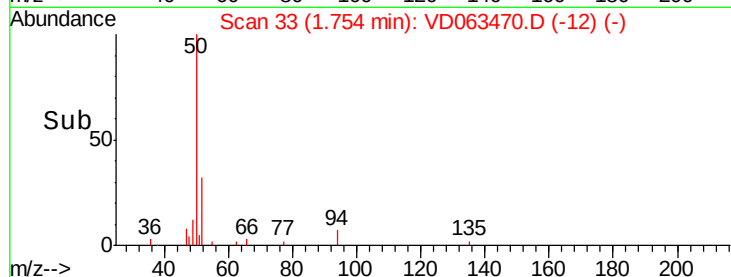
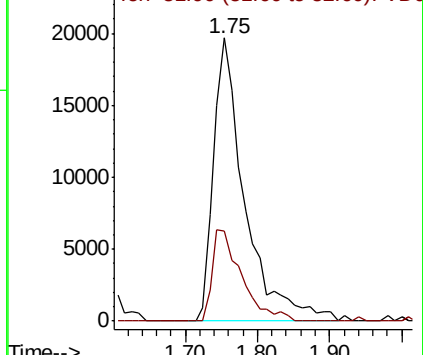
50 100

52 31.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.807 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063470.D

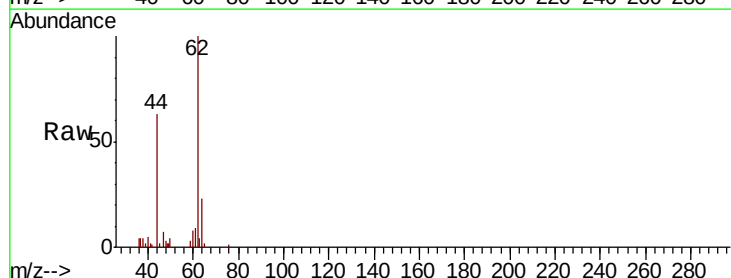
Acq: 9 Aug 2019 13:35

Tgt Ion: 62 Resp: 51052

Ion Ratio Lower Upper

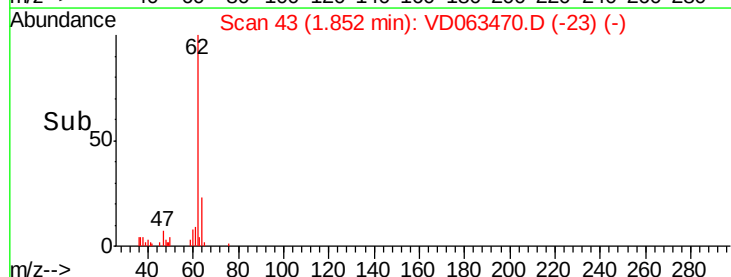
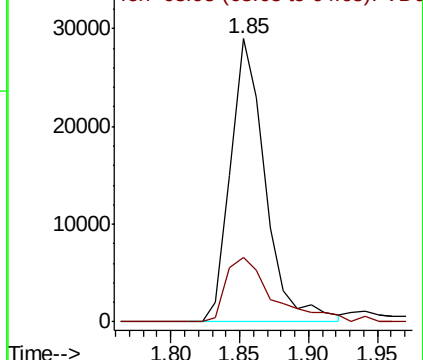
62 100

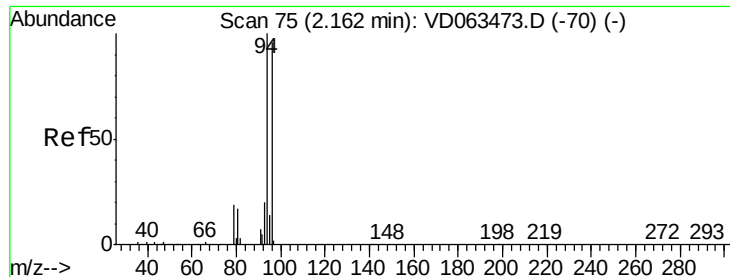
64 22.8 26.4 39.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.538 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

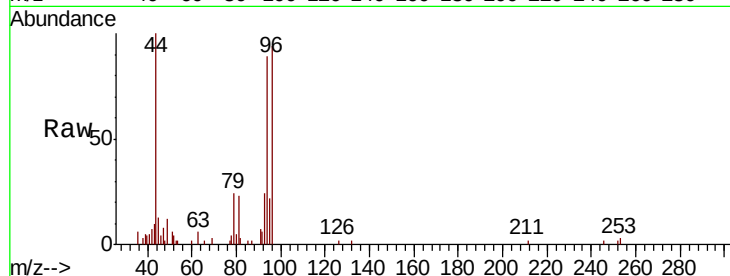
Tgt Ion: 94 Resp: 27604

Ion Ratio Lower Upper

94 100

96 105.3 76.5 114.7

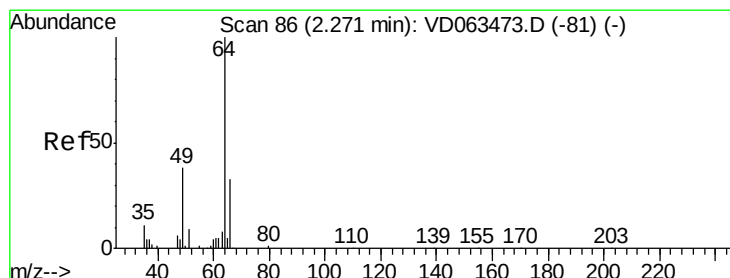
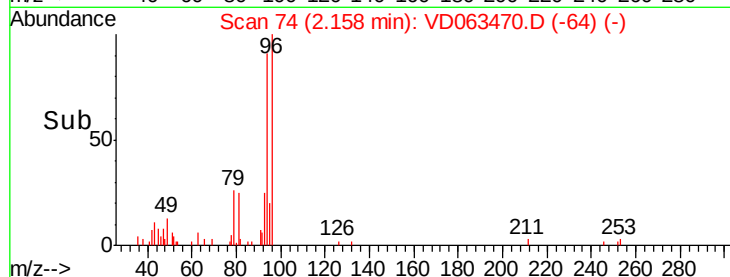
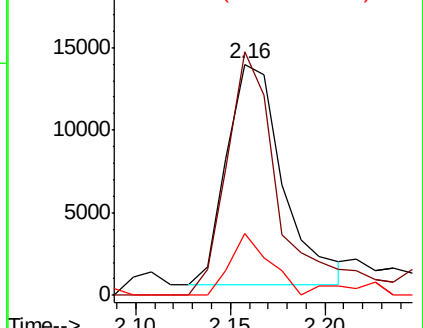
93 26.7 15.8 23.8#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 5.211 ug/l

RT: 2.28 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063470.D

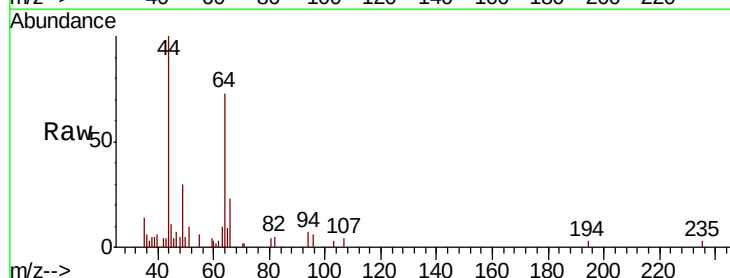
Acq: 9 Aug 2019 13:35

Tgt Ion: 64 Resp: 25310

Ion Ratio Lower Upper

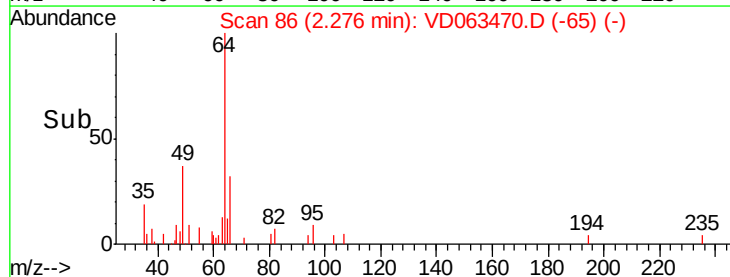
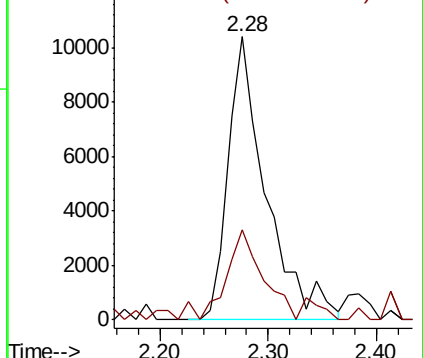
64 100

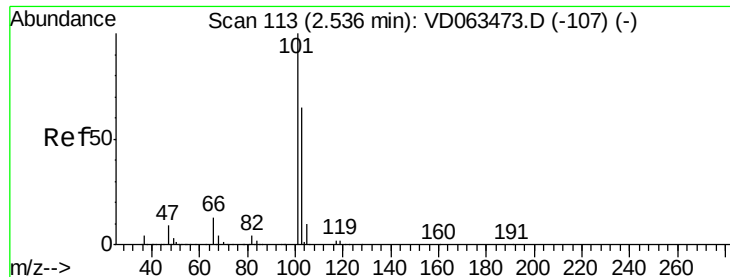
66 31.7 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



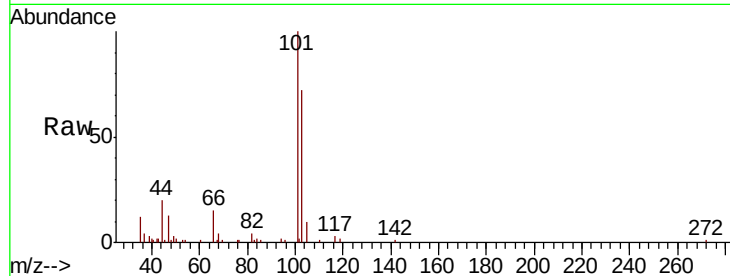


#7

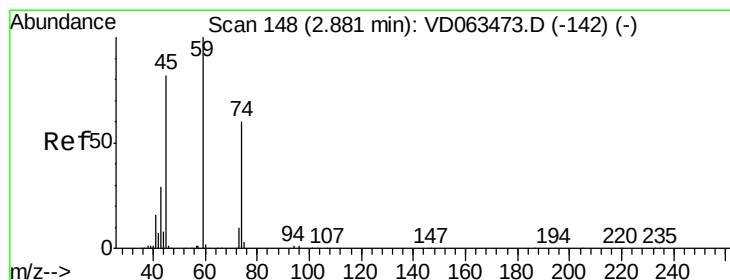
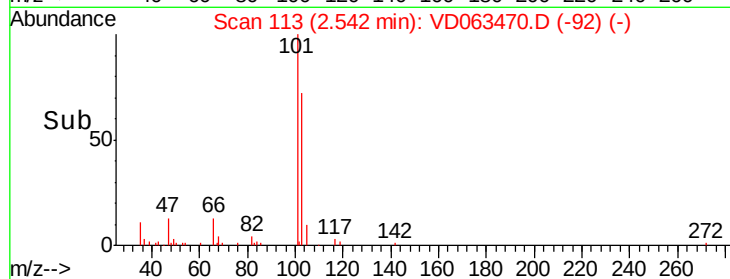
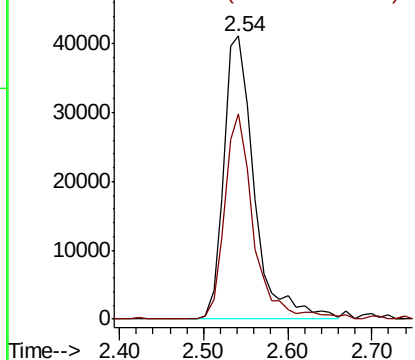
Trichlorofluoromethane
 Concen: 4.966 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 101 Resp: 103451
 Ion Ratio Lower Upper
 101 100
 103 72.4 52.2 78.4



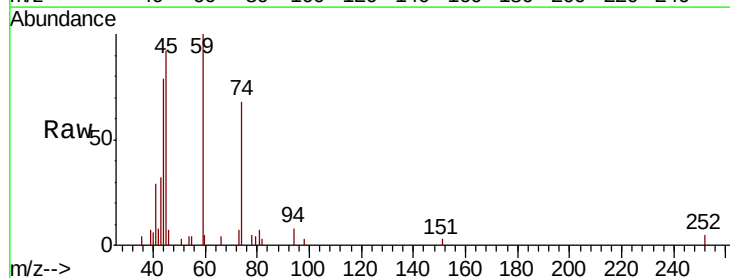
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



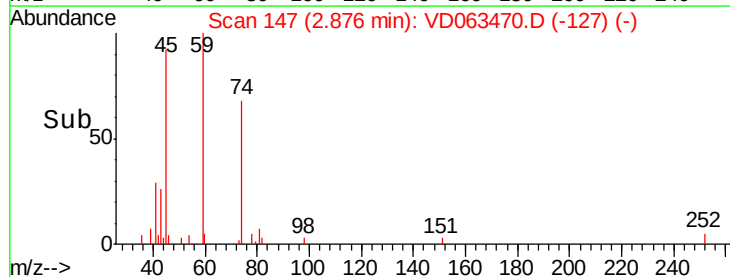
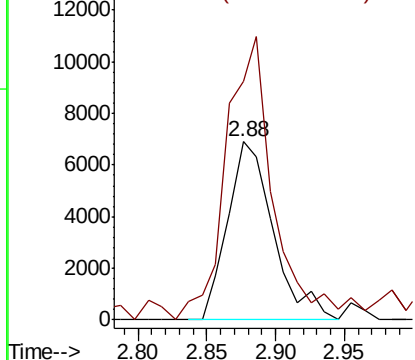
#8

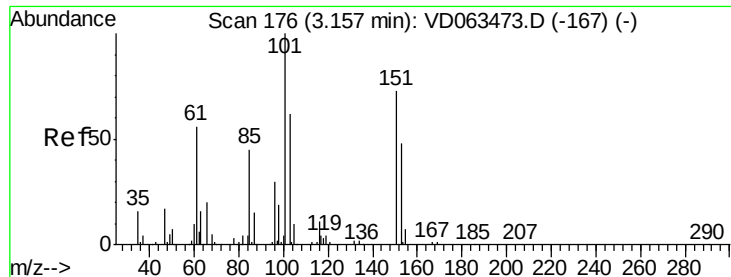
Diethyl Ether
 Concen: 5.420 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion: 74 Resp: 15942
 Ion Ratio Lower Upper
 74 100
 45 133.8 68.5 205.5



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: 5.204 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

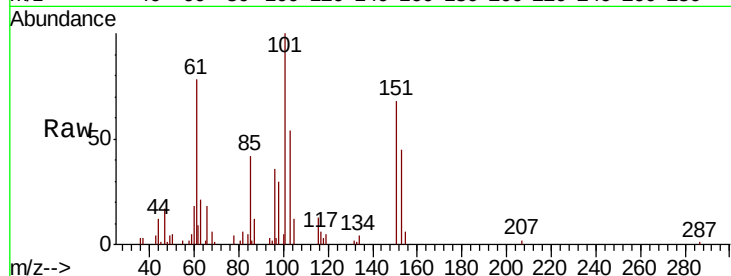
Tgt Ion:101 Resp: 64019

Ion Ratio Lower Upper

101 100

85 42.5 35.8 53.6

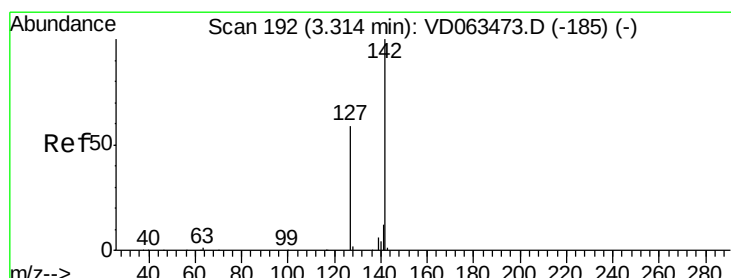
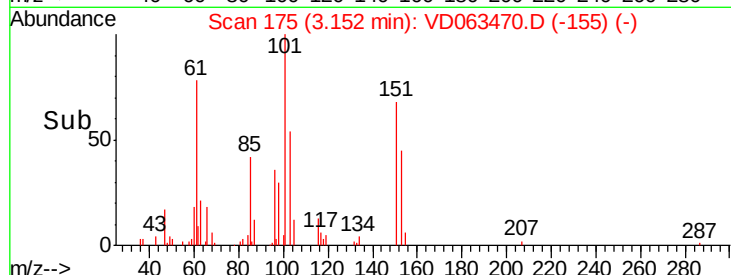
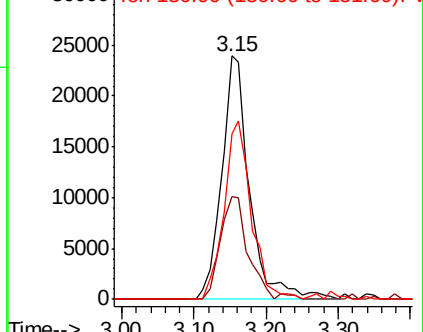
151 68.0 58.6 88.0



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: 4.117 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

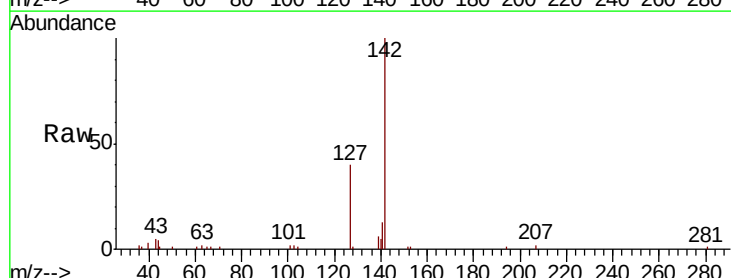
Tgt Ion:142 Resp: 71641

Ion Ratio Lower Upper

142 100

127 39.7 47.2 70.8#

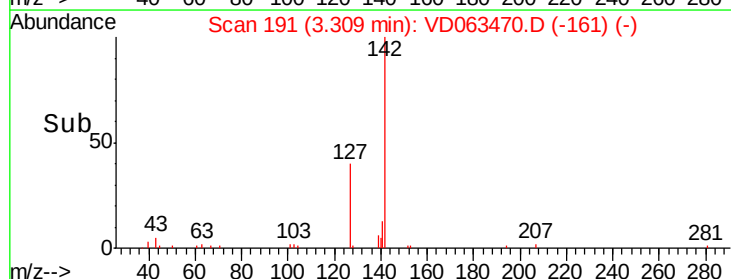
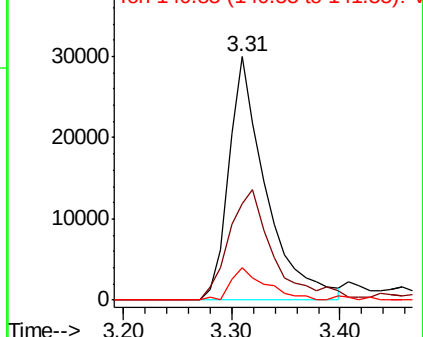
141 13.1 9.8 14.8

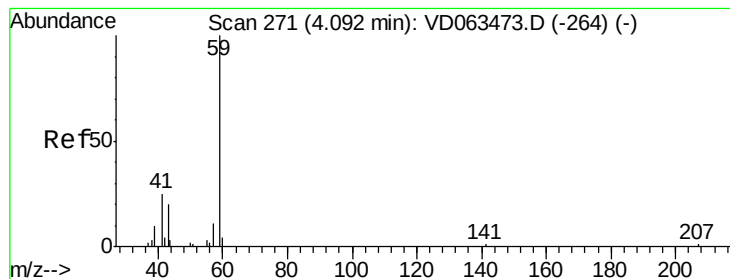


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 21.105 ug/l

RT: 4.10 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

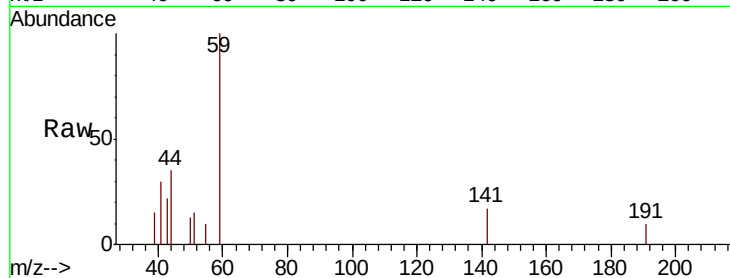
VSTDIC005

Tgt Ion: 59 Resp: 11115

Ion Ratio Lower Upper

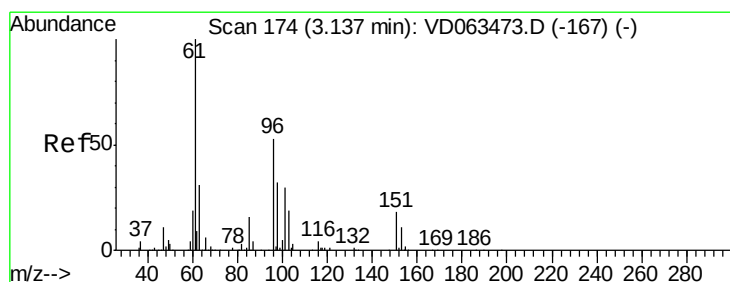
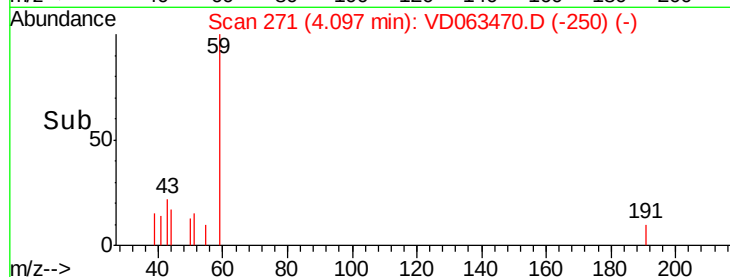
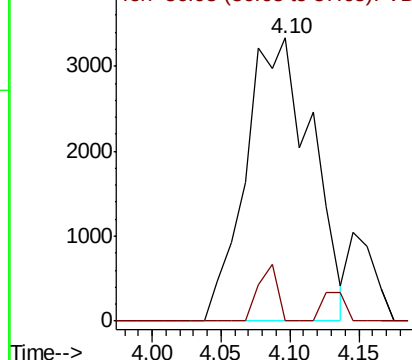
59 100

57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 5.018 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

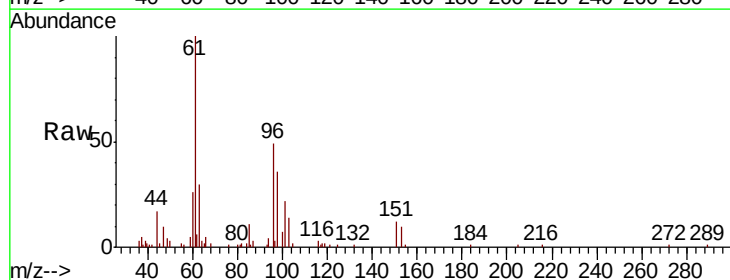
Tgt Ion: 96 Resp: 45862

Ion Ratio Lower Upper

96 100

61 204.3 151.7 227.5

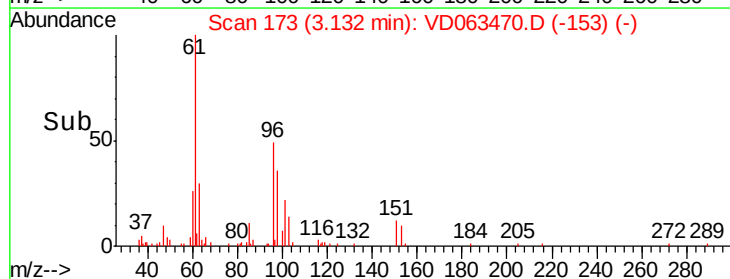
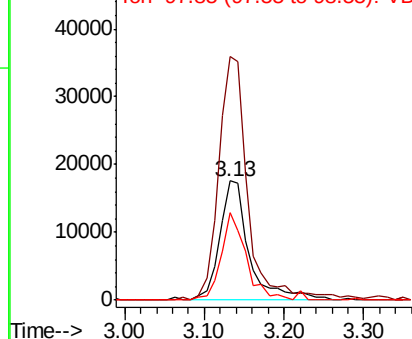
98 73.0 48.4 72.6#

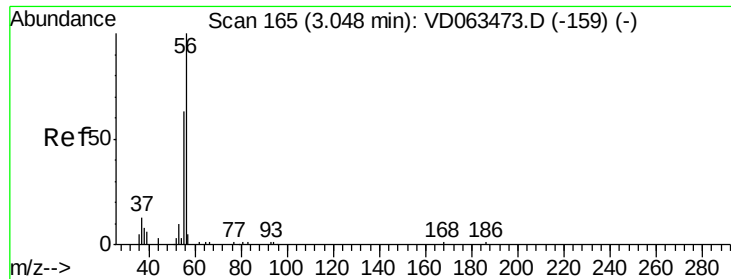


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 23.336 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

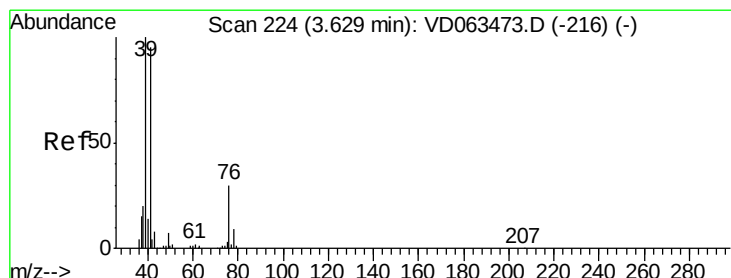
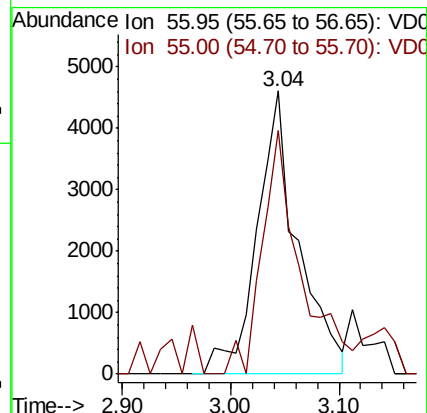
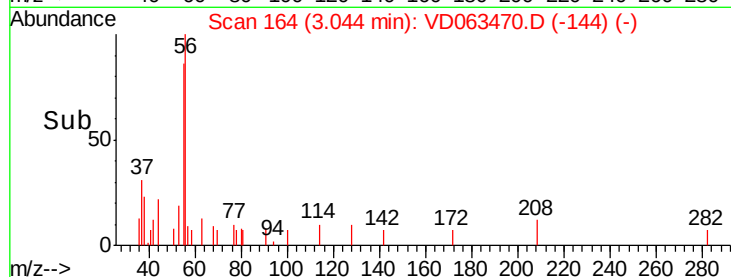
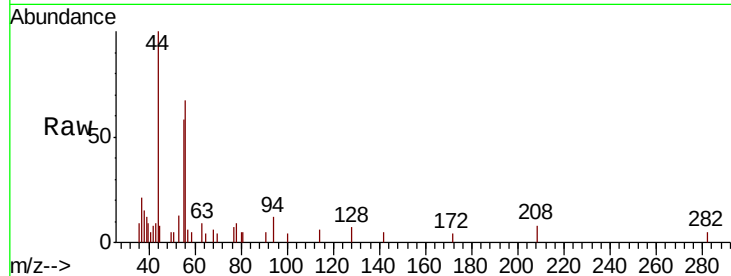
VSTDIC005

Tgt Ion: 56 Resp: 12099

Ion Ratio Lower Upper

56 100

55 86.0 51.3 76.9#



#14

Allyl chloride

Concen: 5.162 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

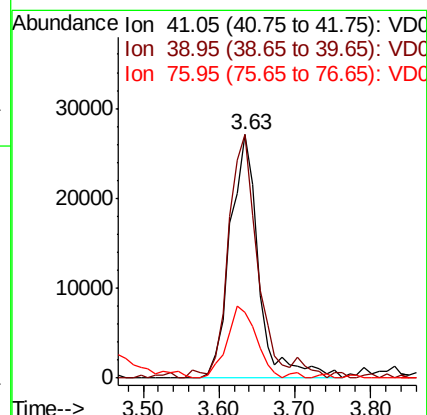
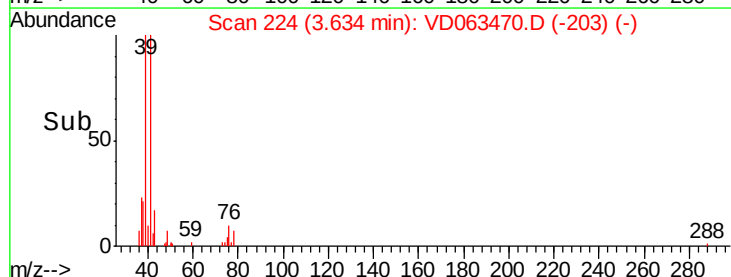
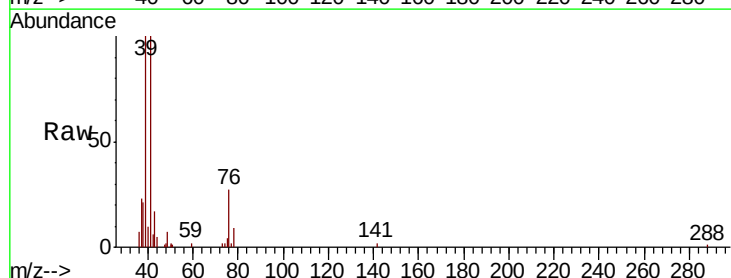
Tgt Ion: 41 Resp: 70880

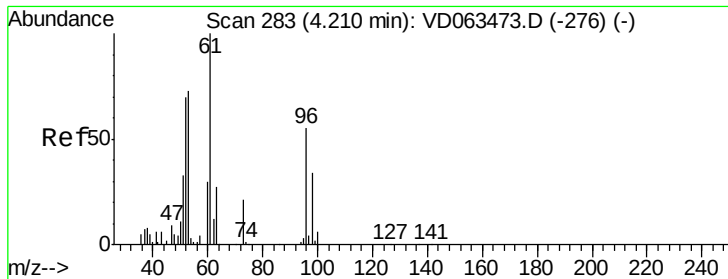
Ion Ratio Lower Upper

41 100

39 99.9 84.2 126.4

76 26.7 26.0 39.0





#15

Acrylonitrile

Concen: 24.184 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

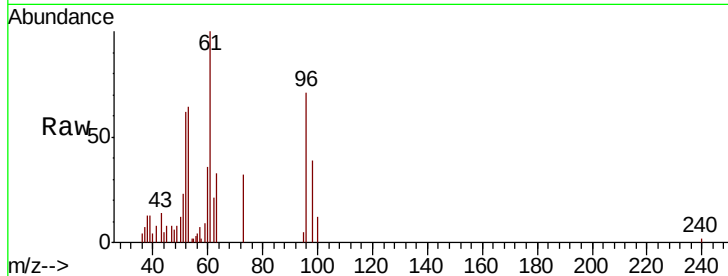
Tgt Ion: 53 Resp: 33736

Ion Ratio Lower Upper

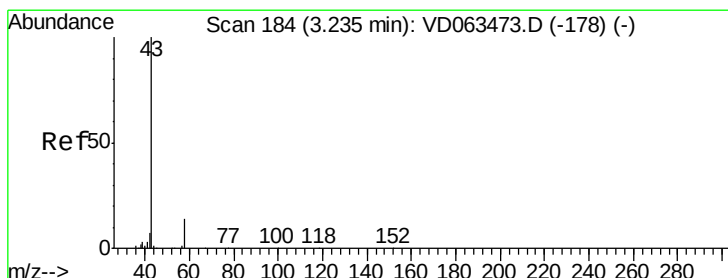
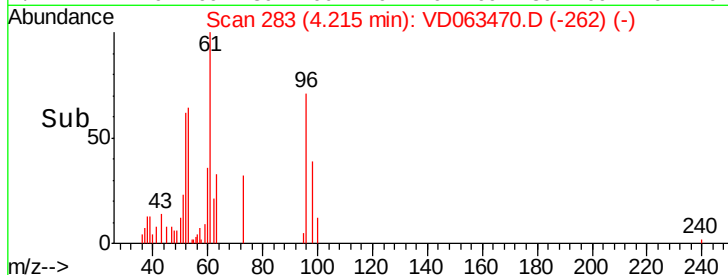
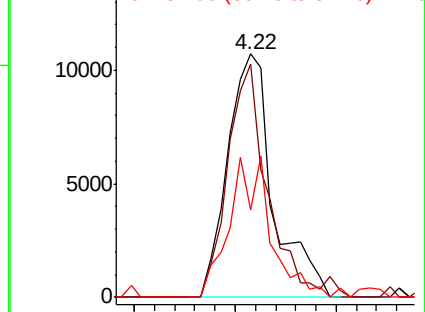
53 100

52 95.6 77.4 116.0

51 35.9 36.7 55.1#



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: 22.145 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD063470.D

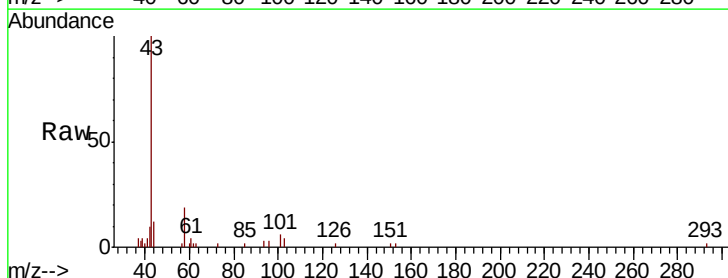
Acq: 9 Aug 2019 13:35

Tgt Ion: 43 Resp: 54788

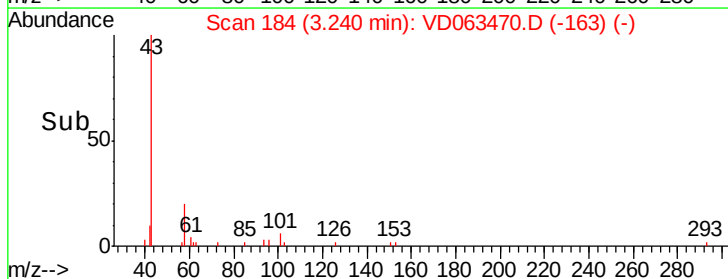
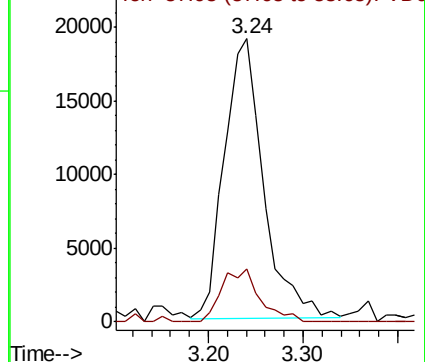
Ion Ratio Lower Upper

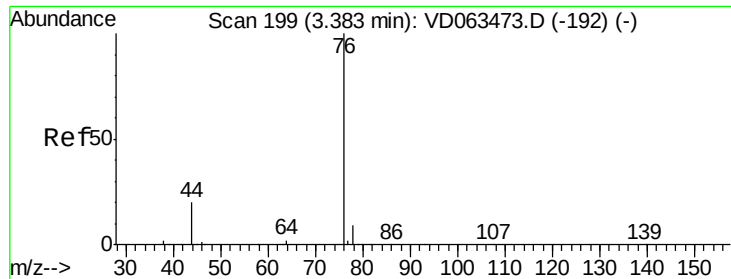
43 100

58 18.8 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

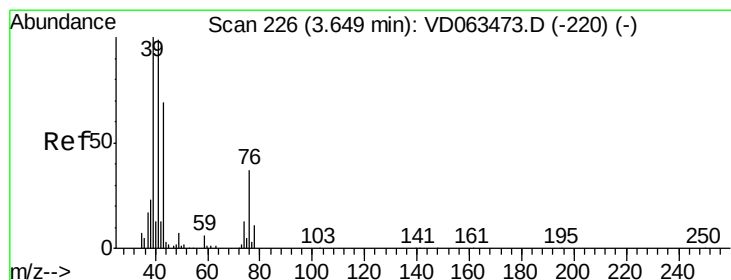
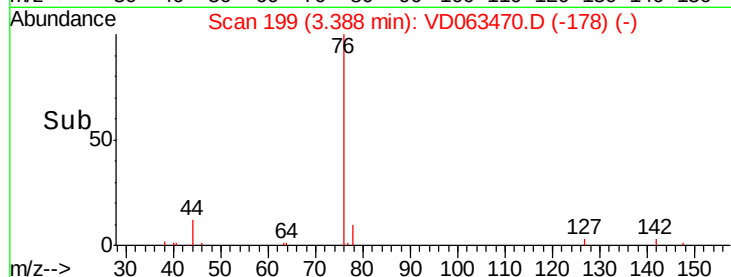
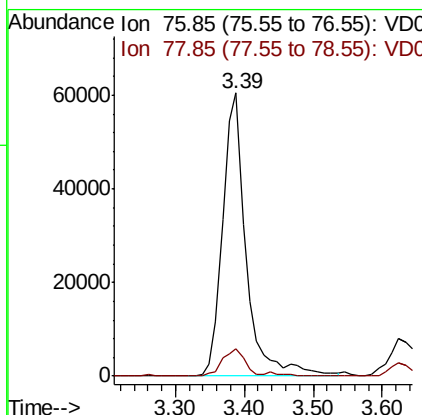
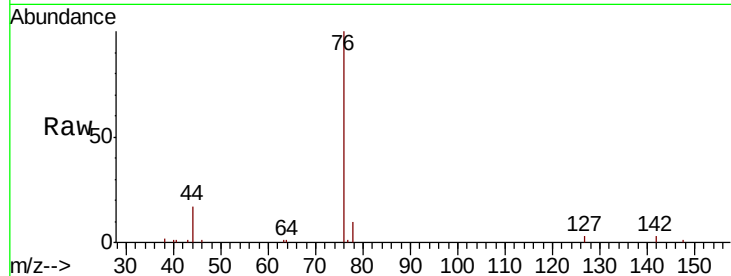




#17
Carbon Disulfide
Concen: 4.960 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

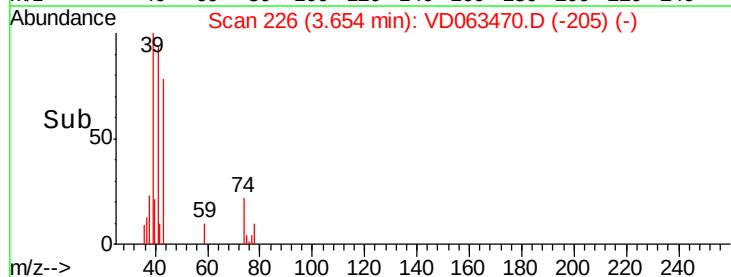
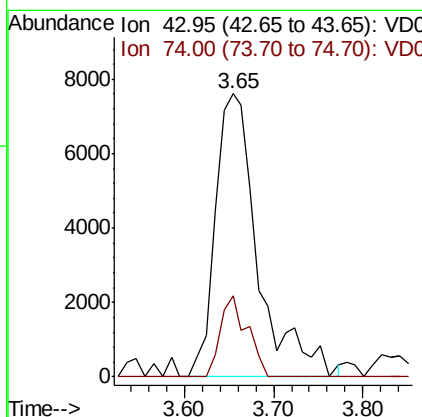
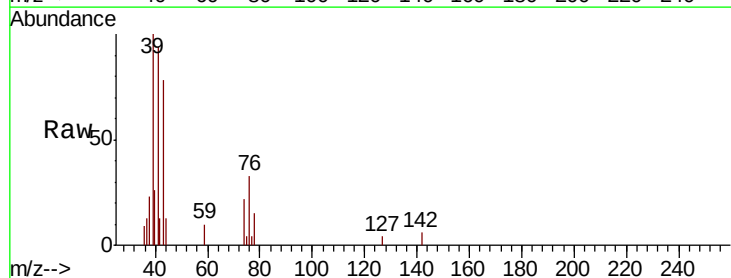
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

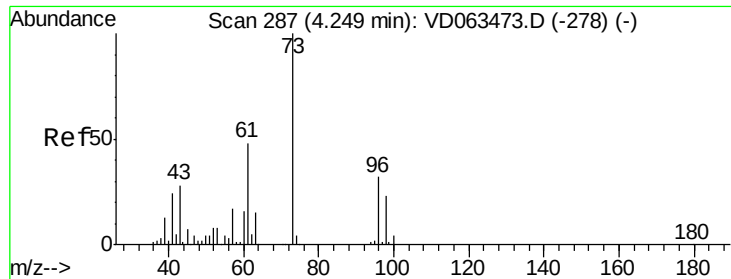
Tgt Ion: 76 Resp: 143112
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 5.468 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion: 43 Resp: 25475
Ion Ratio Lower Upper
43 100
74 28.9 15.4 23.2#

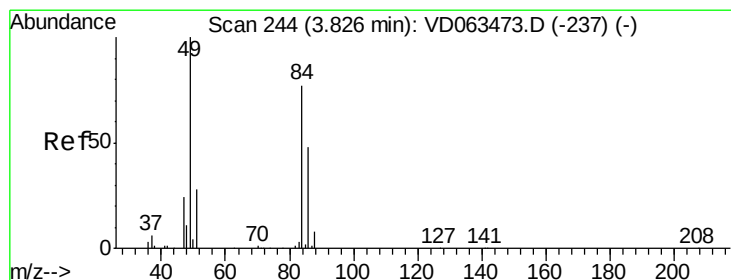
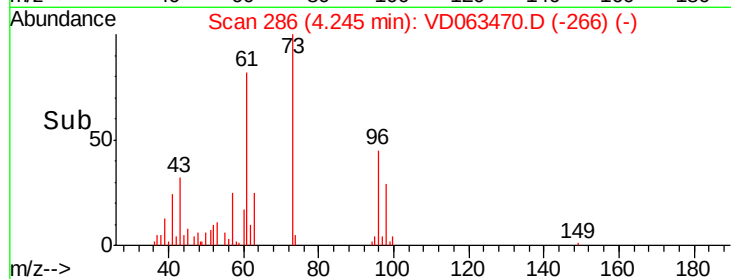
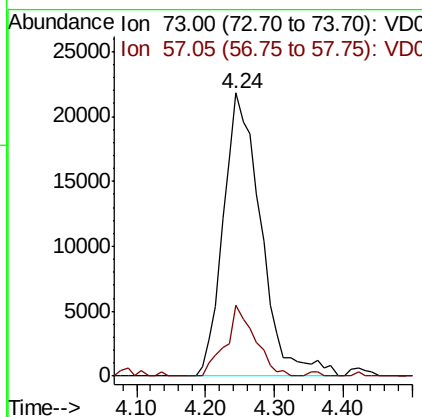
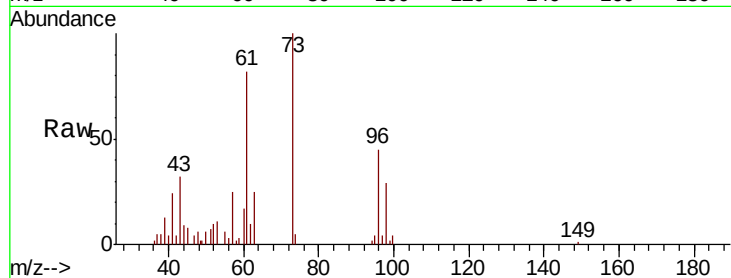




#19
Methyl tert-butyl Ether
Concen: 4.506 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

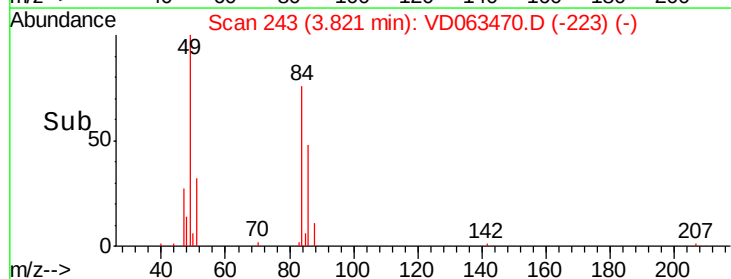
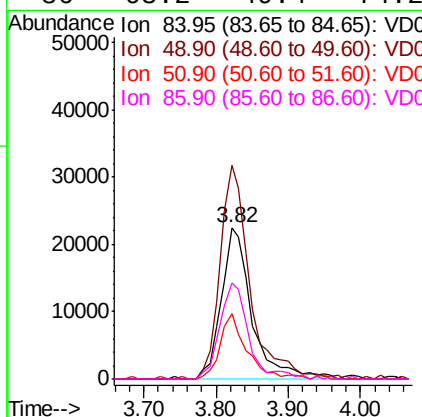
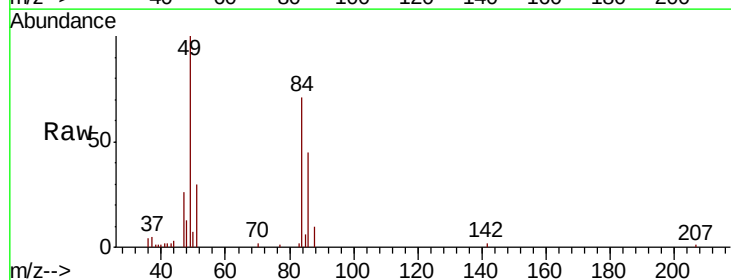
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

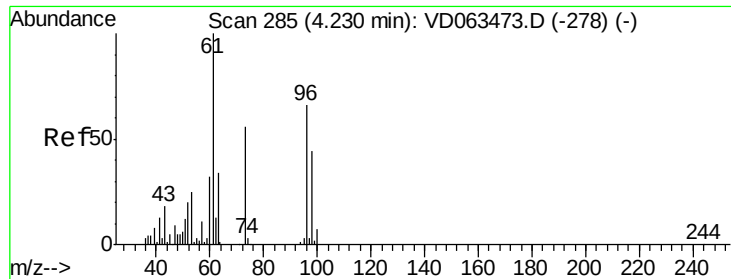
Tgt Ion: 73 Resp: 82416
Ion Ratio Lower Upper
73 100
57 25.2 14.0 21.0#



#20
Methylene Chloride
Concen: 6.182 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion: 84 Resp: 65751
Ion Ratio Lower Upper
84 100
49 140.9 103.4 155.2
51 42.9 28.5 42.7#
86 63.2 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 4.406 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

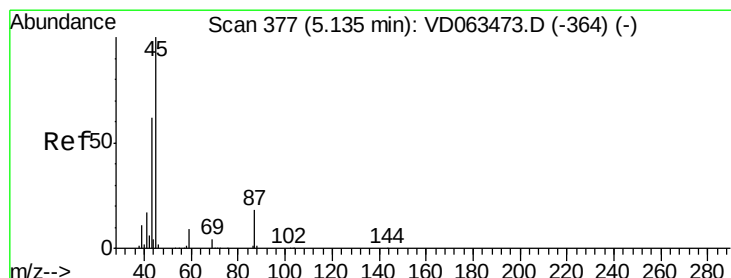
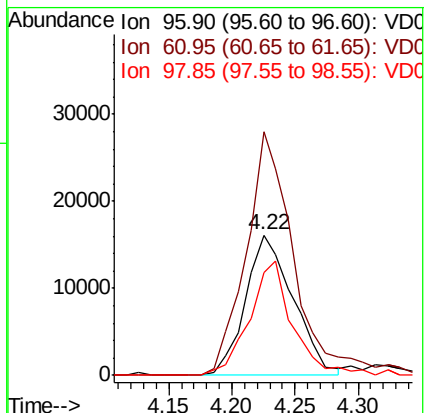
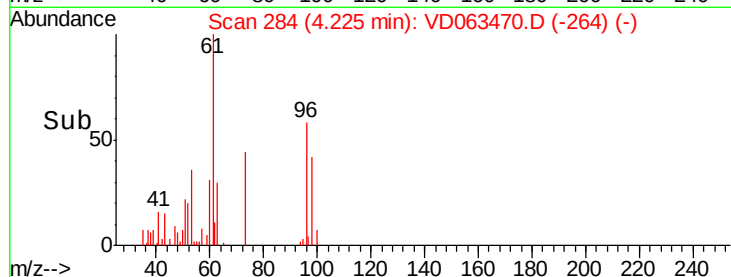
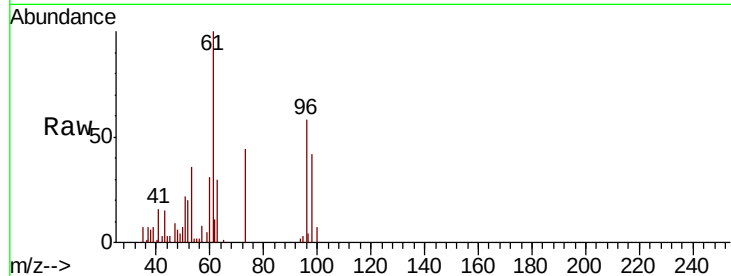
Tgt Ion: 96 Resp: 42399

Ion Ratio Lower Upper

96 100

61 162.7 121.7 182.5

98 68.4 54.2 81.2



#22

Diisopropyl ether

Concen: 4.872 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Tgt Ion: 45 Resp: 138154

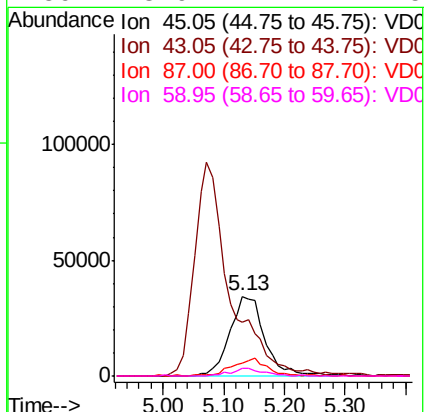
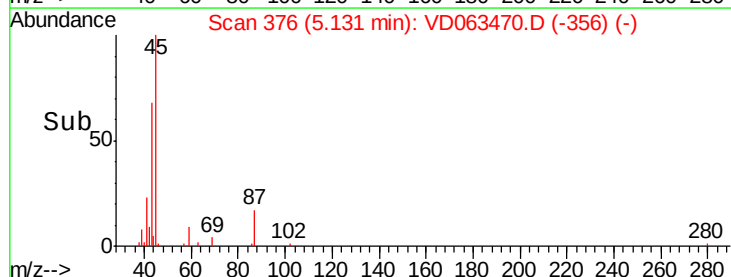
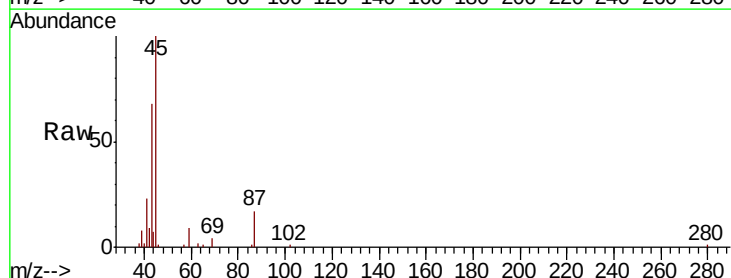
Ion Ratio Lower Upper

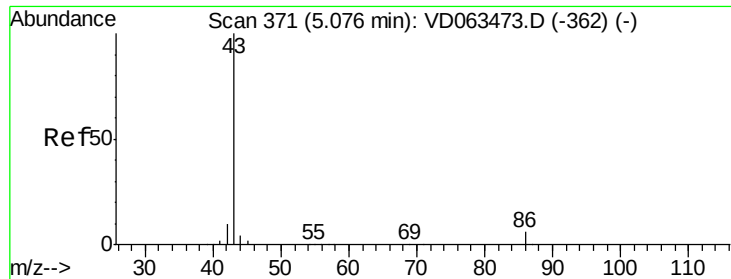
45 100

43 67.6 50.3 75.5

87 16.7 14.3 21.5

59 8.9 7.7 11.5





#23

Vinyl Acetate

Concen: 22.472 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

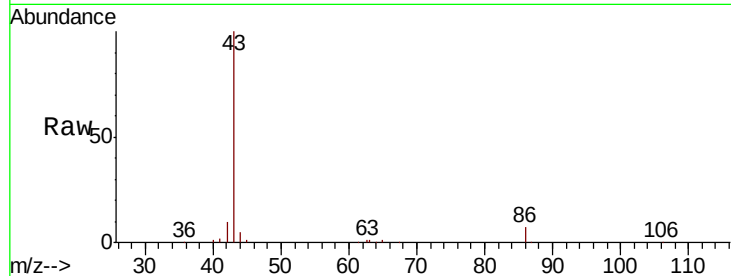
VSTDIC005

Tgt Ion: 43 Resp: 370150

Ion Ratio Lower Upper

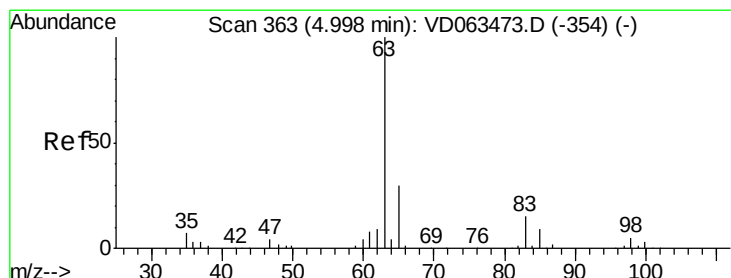
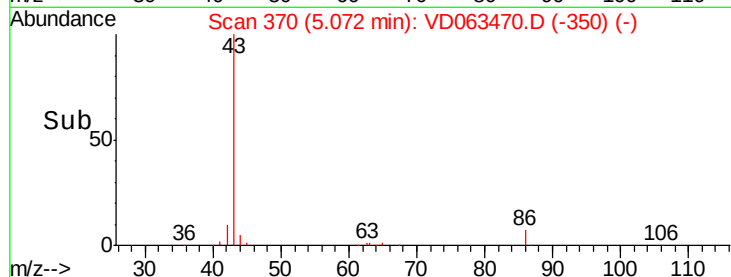
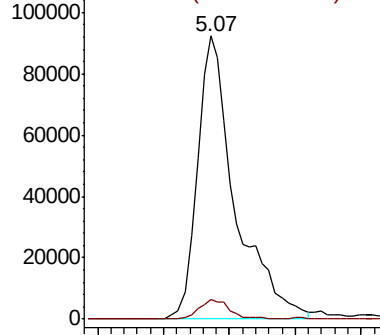
43 100

86 6.9 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.552 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

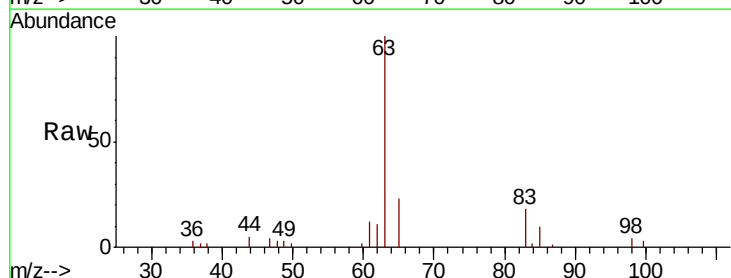
Tgt Ion: 63 Resp: 80095

Ion Ratio Lower Upper

63 100

98 4.0 2.4 7.2

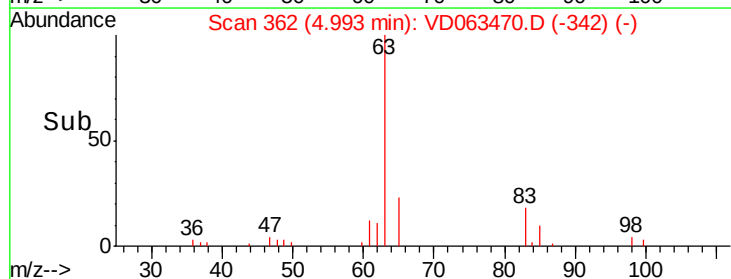
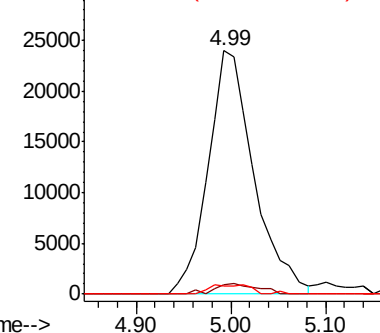
100 3.3 1.3 3.8

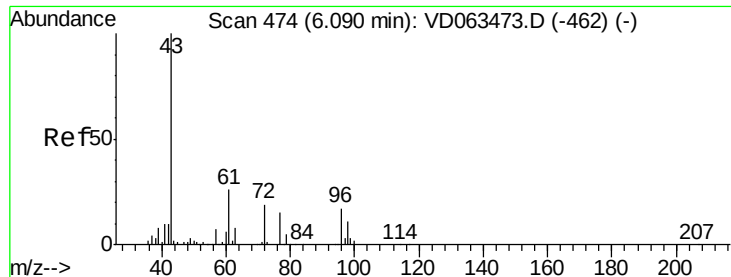


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 21.475 ug/l

RT: 6.10 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

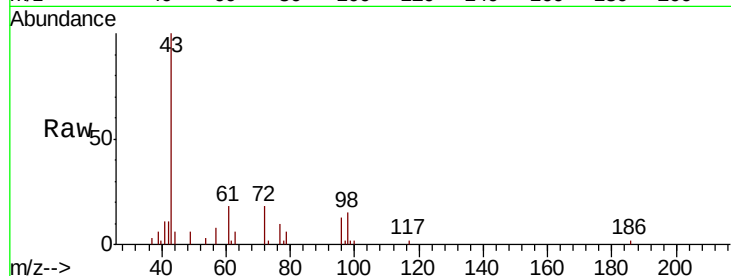
VSTDIC005

Tgt Ion: 43 Resp: 52156

Ion Ratio Lower Upper

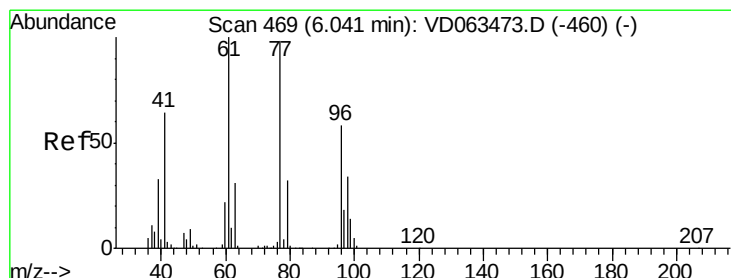
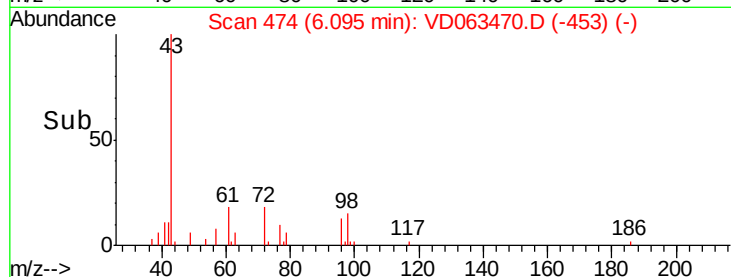
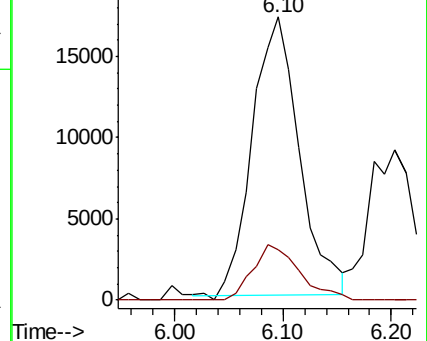
43 100

72 18.0 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.918 ug/l

RT: 6.05 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD063470.D

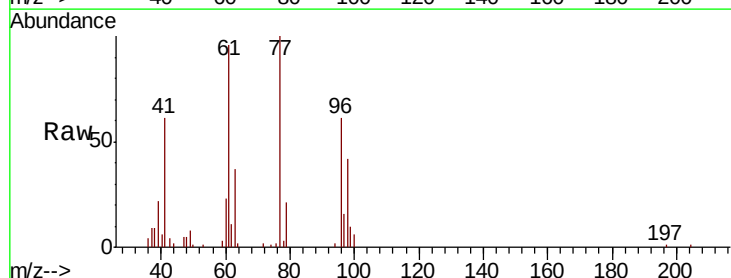
Acq: 9 Aug 2019 13:35

Tgt Ion: 77 Resp: 86197

Ion Ratio Lower Upper

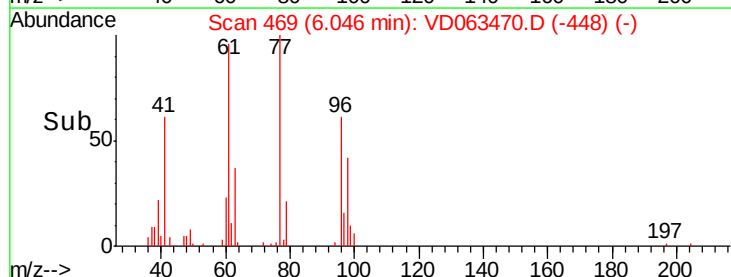
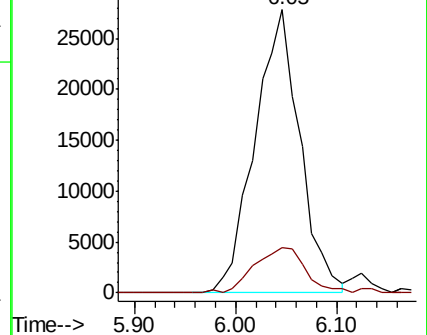
77 100

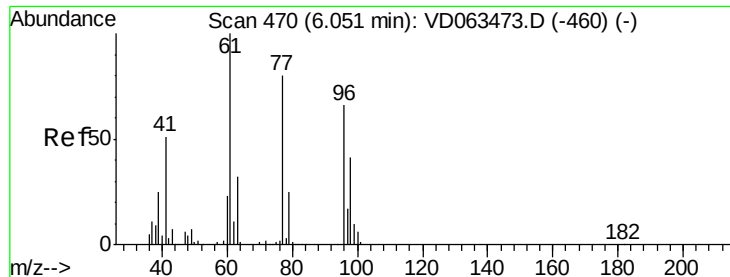
97 15.8 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



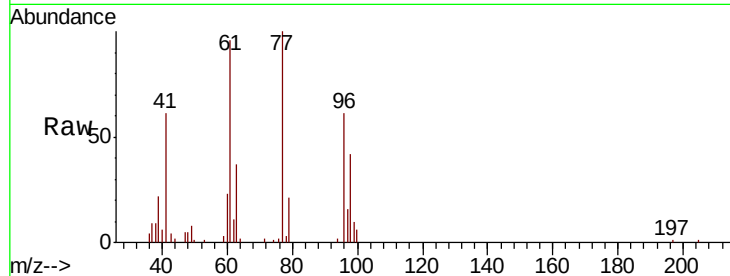


#27

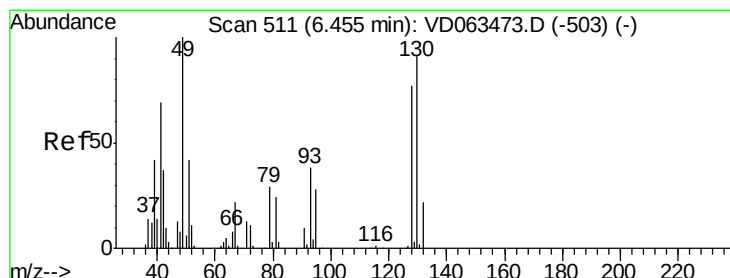
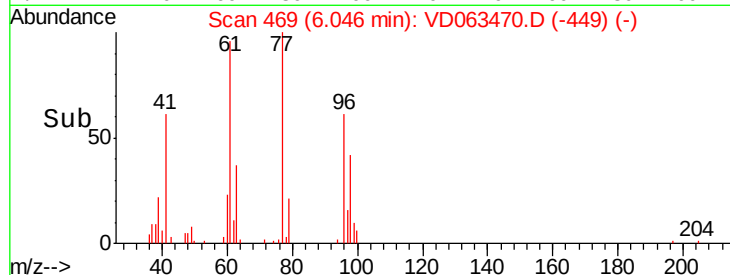
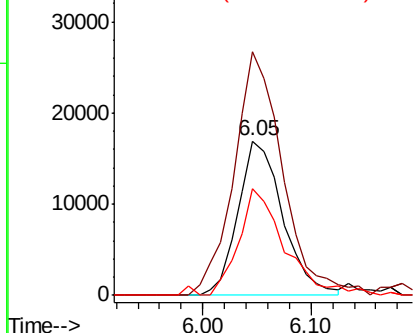
cis-1,2-Dichloroethene
Concen: 4.637 ug/l
RT: 6.05 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 48821
Ion Ratio Lower Upper
96 100
61 157.6 0.0 304.0
98 69.0 0.0 124.8



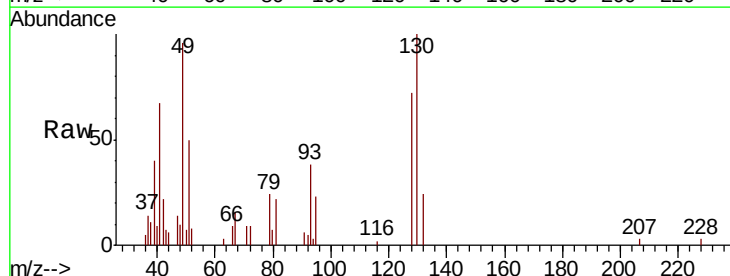
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



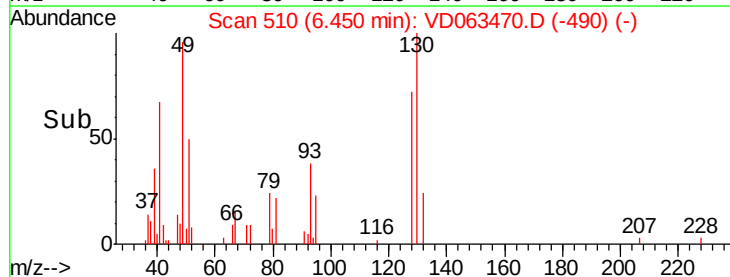
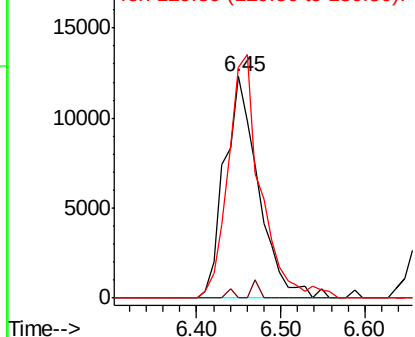
#28

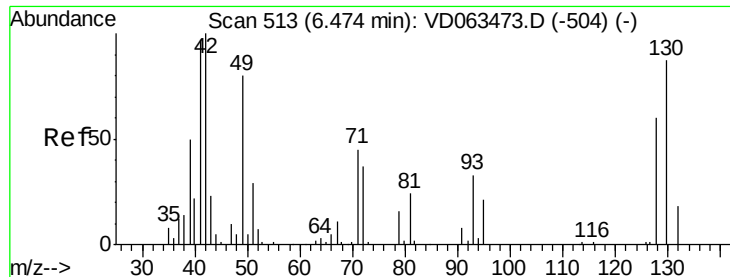
Bromochloromethane
Concen: 4.856 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion: 49 Resp: 34631
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 104.2 72.4 108.6



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





#29

Tetrahydrofuran

Concen: 24.316 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

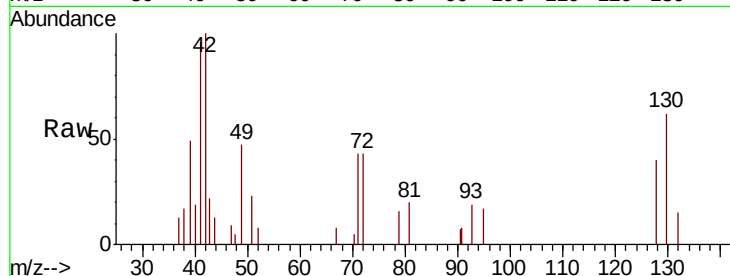
Tgt Ion: 42 Resp: 27521

Ion Ratio Lower Upper

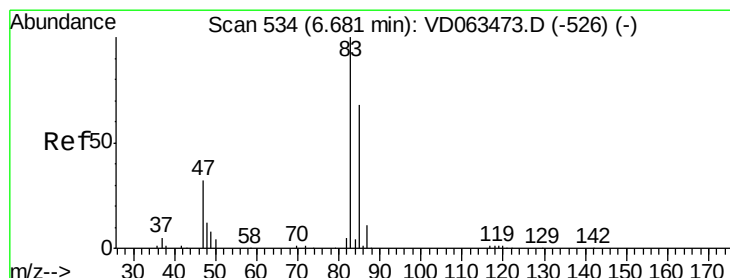
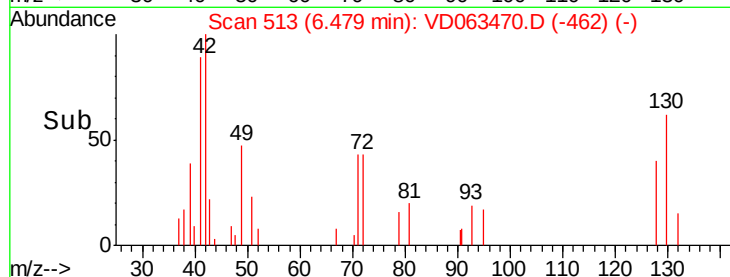
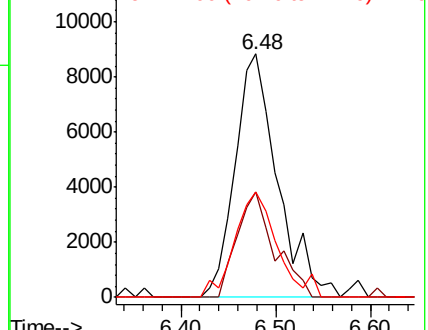
42 100

72 38.0 31.5 47.3

71 43.0 33.8 50.8



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: 5.123 ug/l

RT: 6.68 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063470.D

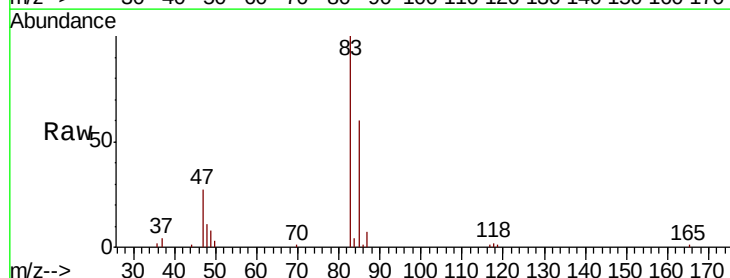
Acq: 9 Aug 2019 13:35

Tgt Ion: 83 Resp: 112063

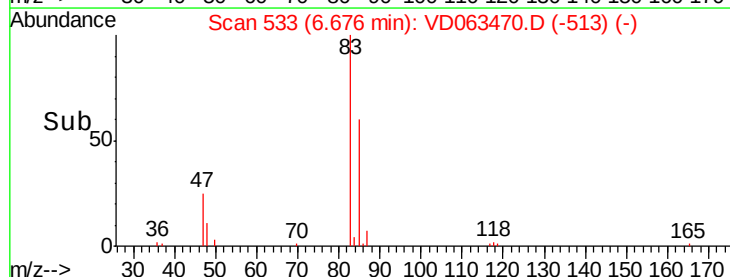
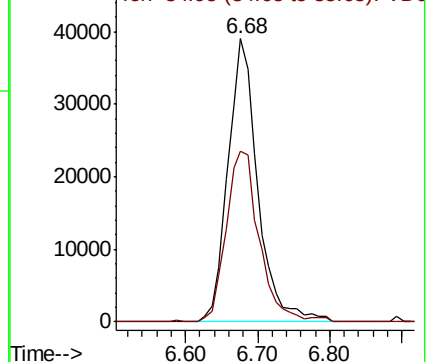
Ion Ratio Lower Upper

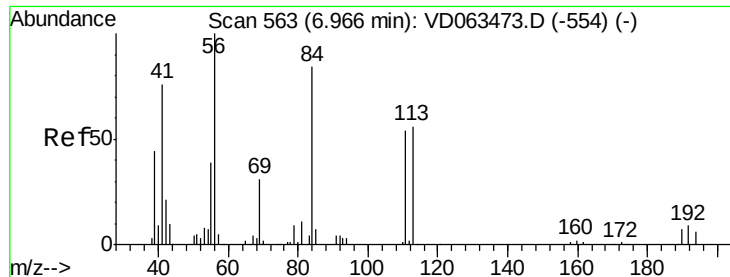
83 100

85 60.1 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

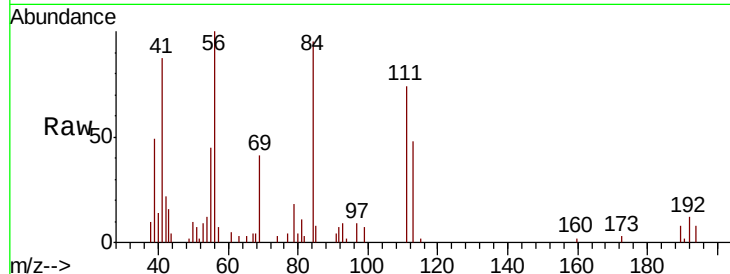




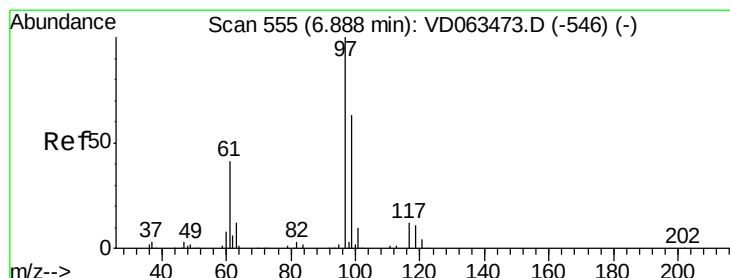
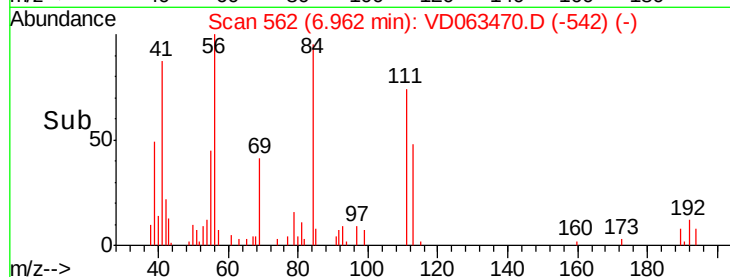
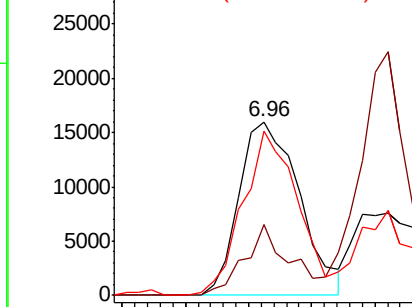
#31
Cyclohexane
Concen: 4.863 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 53117
Ion Ratio Lower Upper
56 100
69 41.2 25.0 37.6#
84 94.8 69.7 104.5

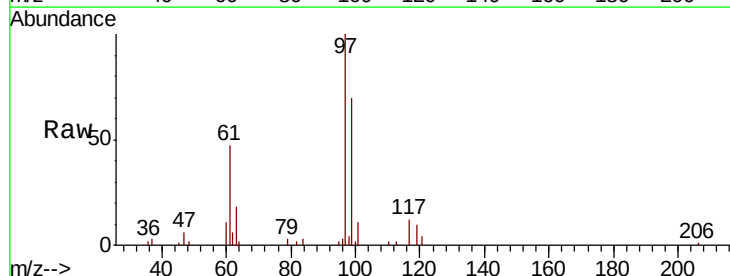


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

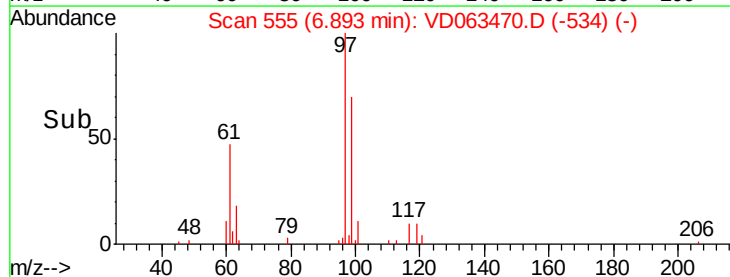
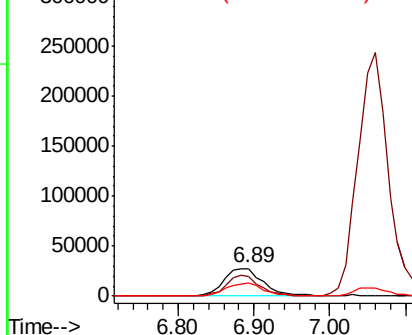


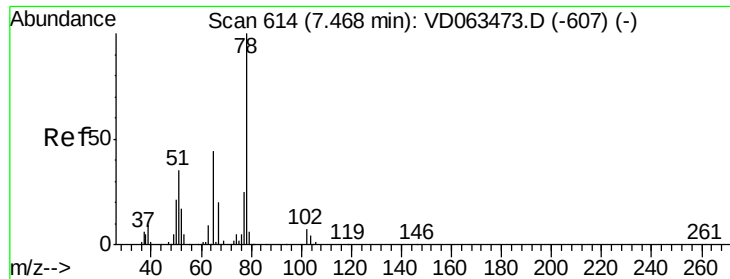
#32
1,1,1-Trichloroethane
Concen: 4.750 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion: 97 Resp: 99386
Ion Ratio Lower Upper
97 100
99 70.5 50.2 75.4
61 46.9 33.1 49.7



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

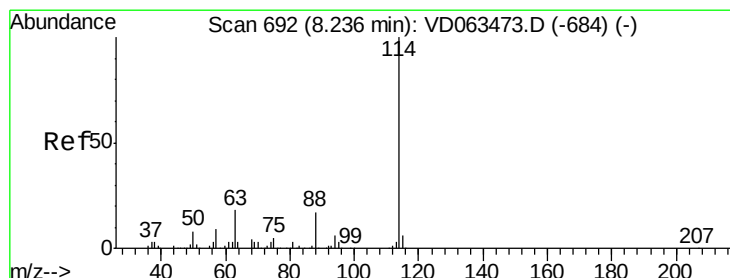
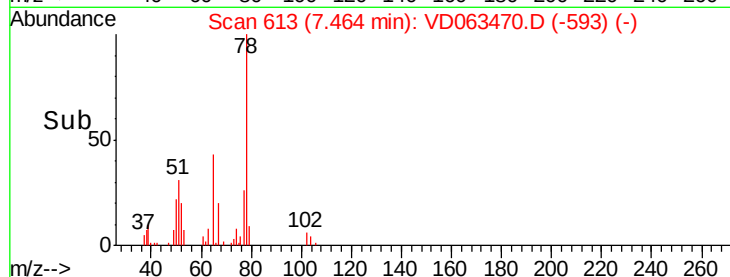
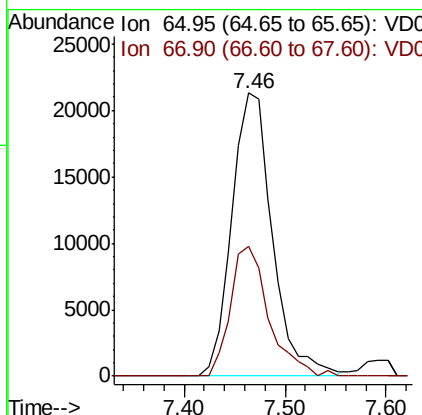
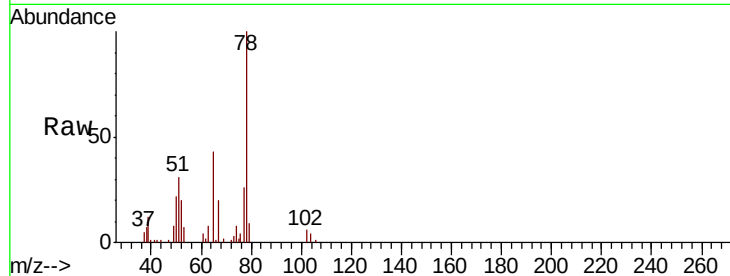




#33
 1,2-Dichloroethane-d4
 Concen: 4.927 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

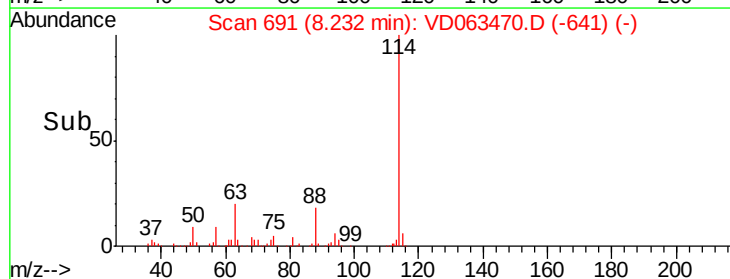
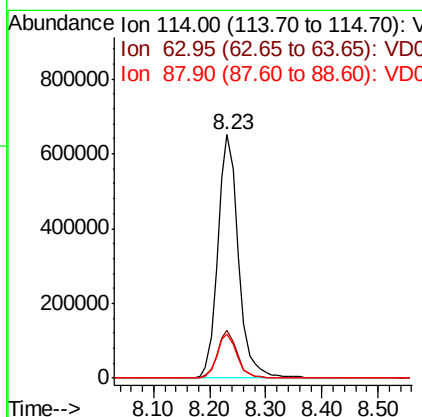
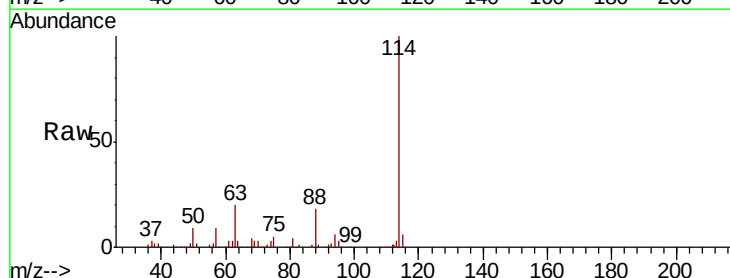
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

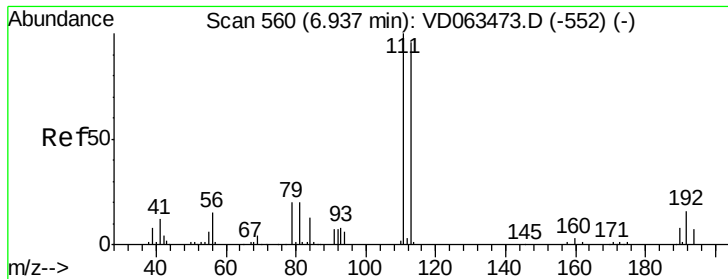
Tgt Ion: 65 Resp: 59607
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion: 114 Resp: 1672653
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.2
 88 18.0 0.0 35.0

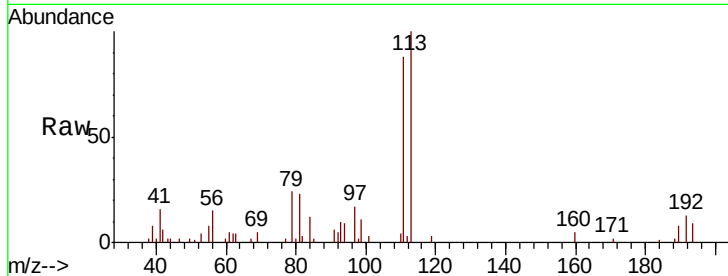




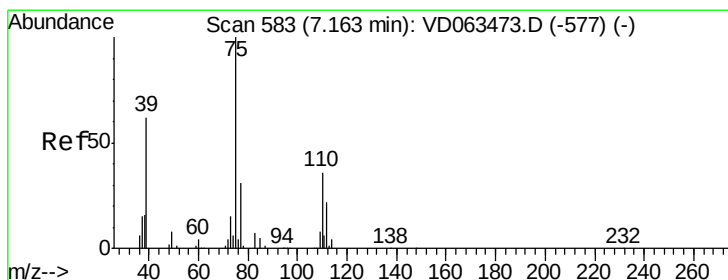
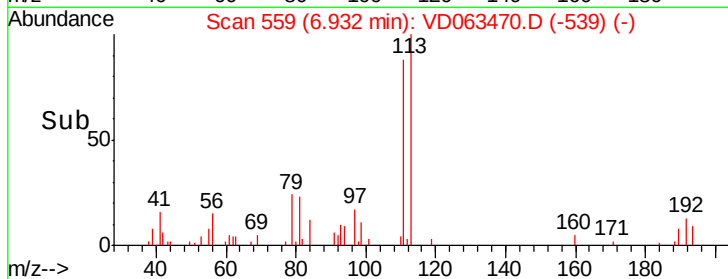
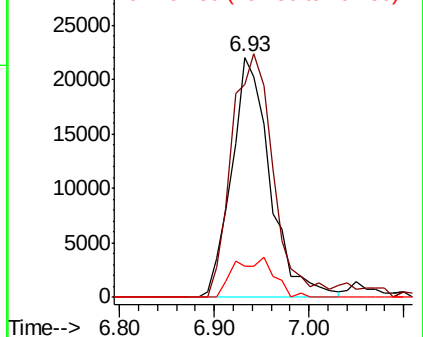
#35
 Dibromofluoromethane
 Concen: 4.424 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 62317
 Ion Ratio Lower Upper
 113 100
 111 88.5 83.1 124.7
 192 12.8 13.1 19.7#

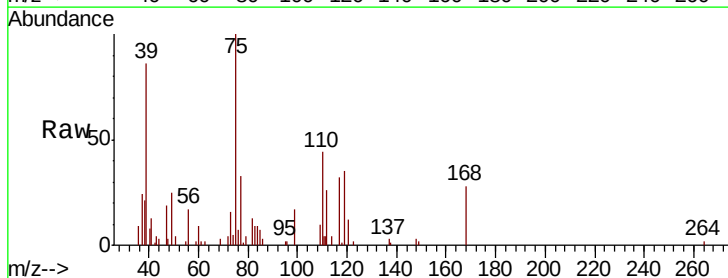


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

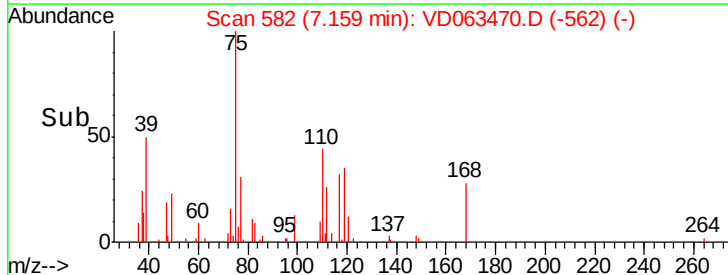
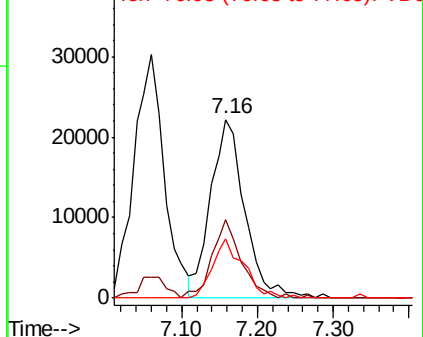


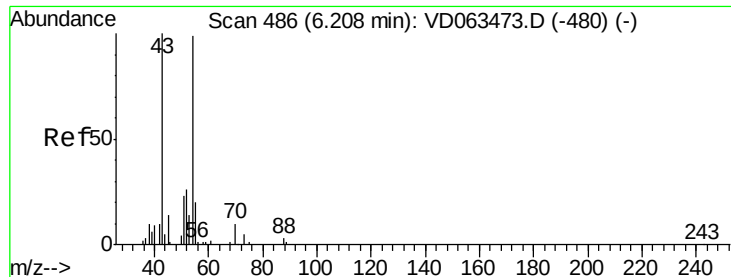
#36
 1,1-Dichloropropene
 Concen: 4.717 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion: 75 Resp: 69743
 Ion Ratio Lower Upper
 75 100
 110 43.9 17.6 52.8
 77 33.4 24.3 36.5



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

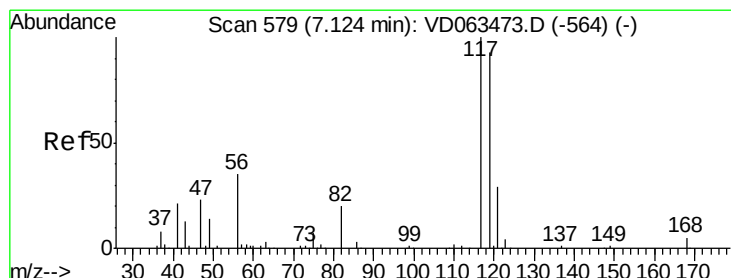
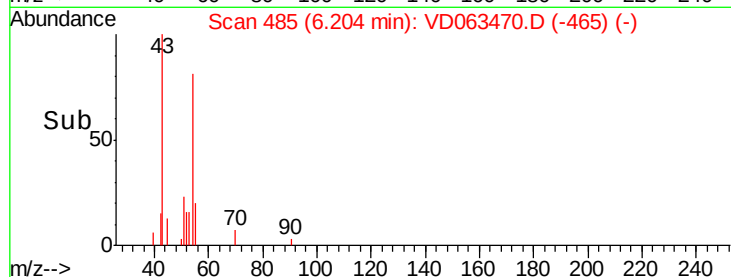
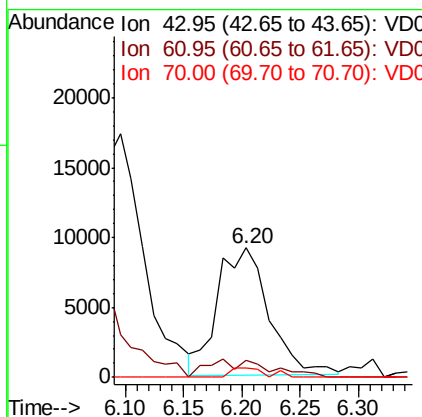
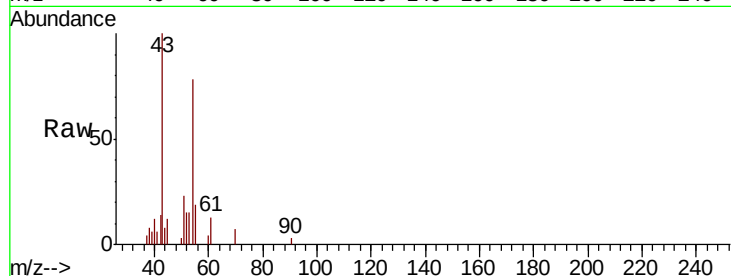




#37
Ethyl Acetate
Concen: 4.468 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

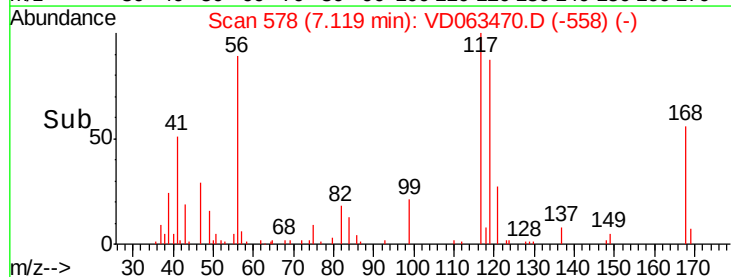
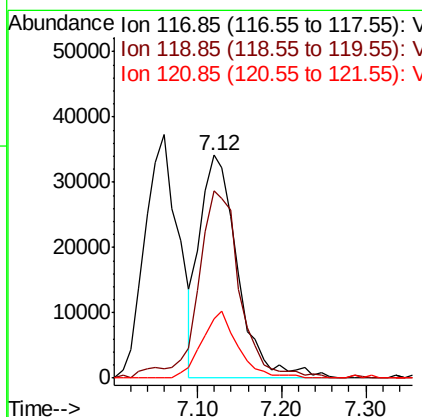
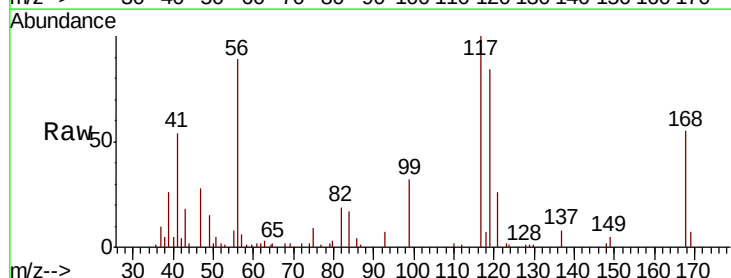
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

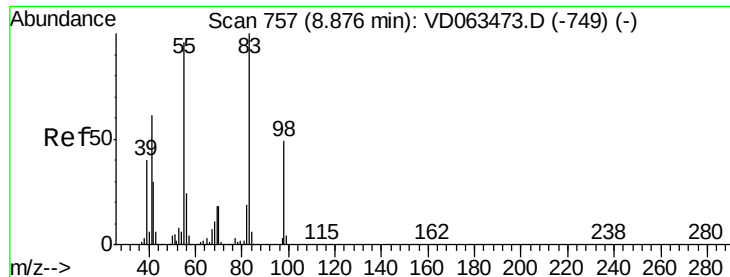
Tgt Ion: 43 Resp: 27615
Ion Ratio Lower Upper
43 100
61 13.0 9.0 13.6
70 7.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 4.773 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion: 117 Resp: 106365
Ion Ratio Lower Upper
117 100
119 84.2 74.2 111.2
121 26.4 23.1 34.7

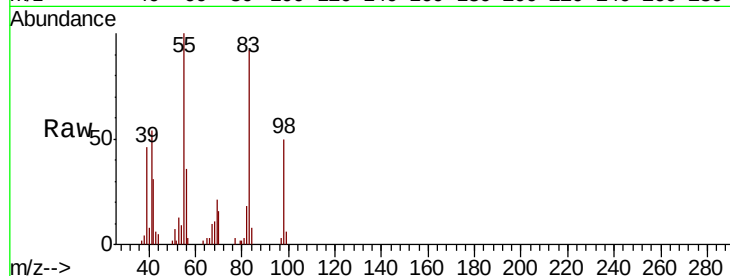




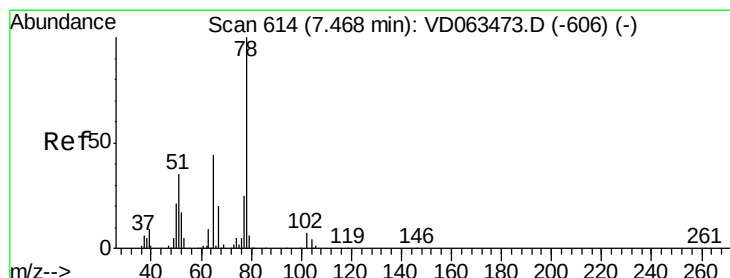
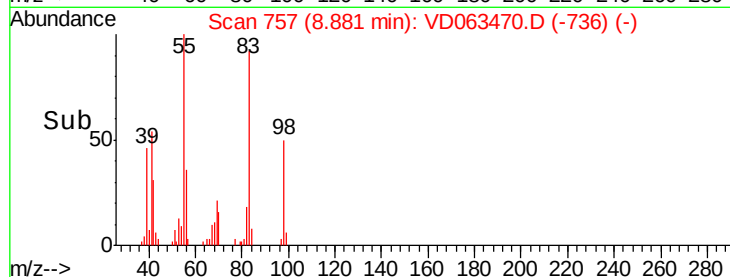
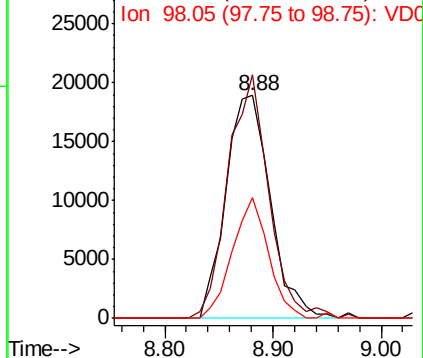
#39
Methylcyclohexane
Concen: 4.327 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 54408
Ion Ratio Lower Upper
83 100
55 109.2 76.6 114.8
98 54.3 39.4 59.0

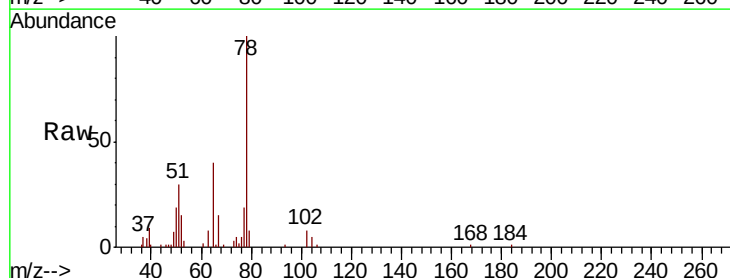


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

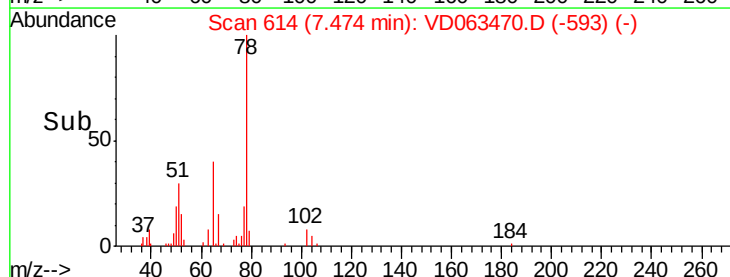
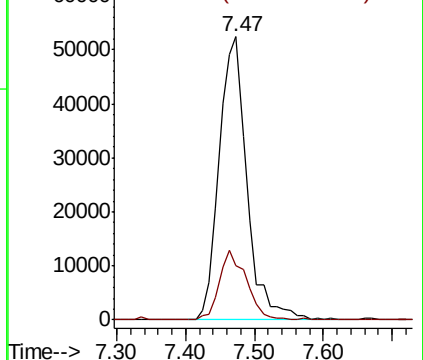


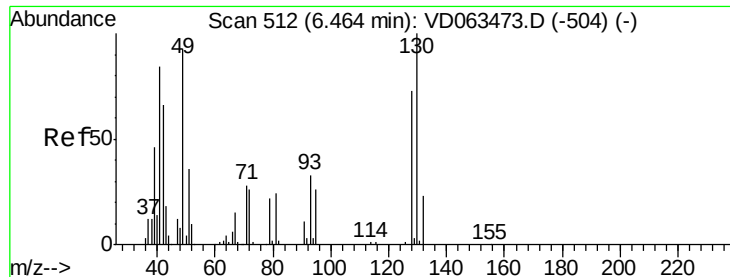
#40
Benzene
Concen: 4.501 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion: 78 Resp: 146465
Ion Ratio Lower Upper
78 100
77 19.2 20.1 30.1#



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 4.260 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 33233

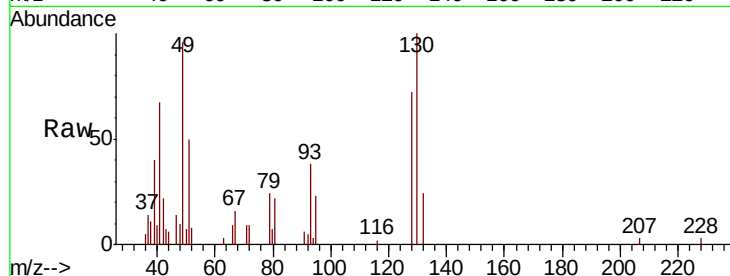
Ion Ratio Lower Upper

41 100

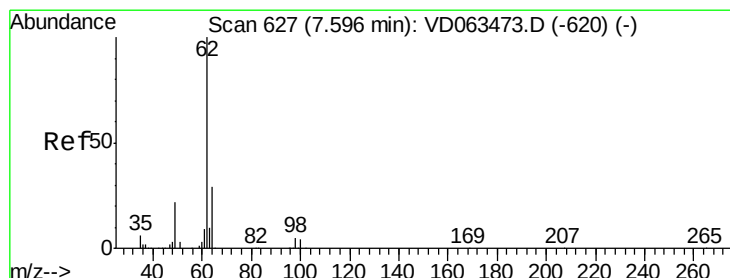
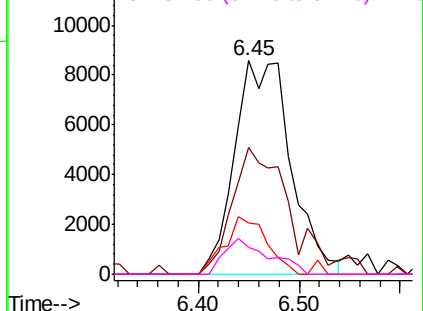
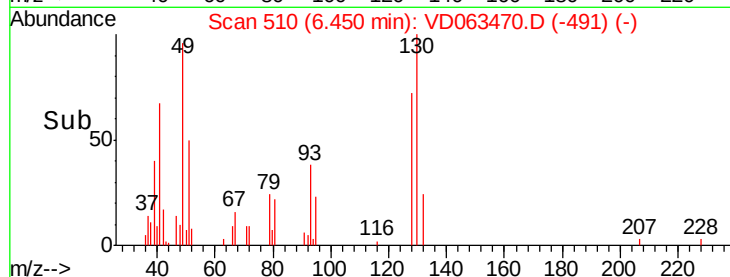
39 59.5 44.6 66.8

67 23.8 14.4 21.6#

52 12.6 9.3 13.9



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 4.577 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD063470.D

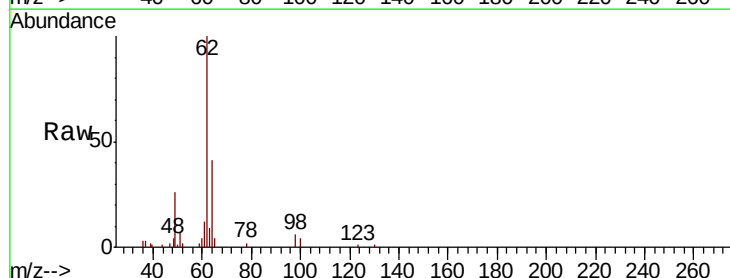
Acq: 9 Aug 2019 13:35

Tgt Ion: 62 Resp: 74893

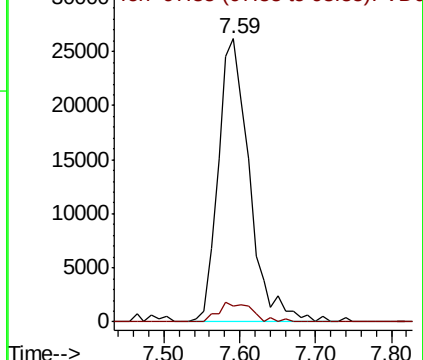
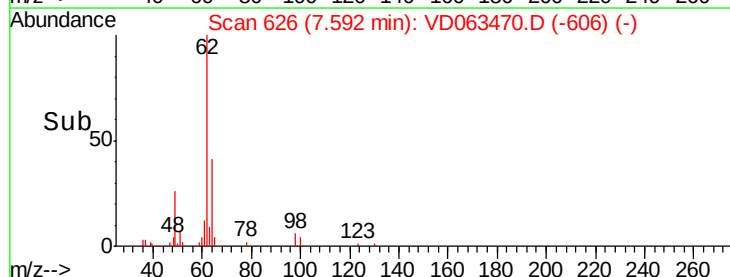
Ion Ratio Lower Upper

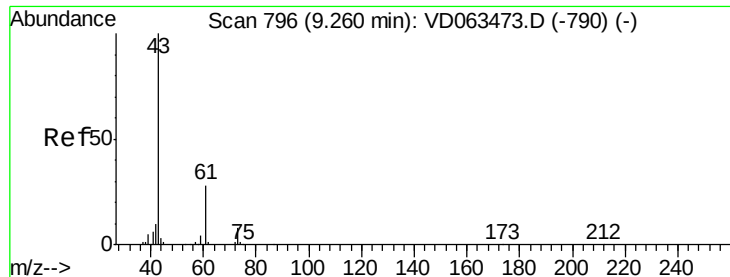
62 100

98 5.7 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.149 ug/l

RT: 9.26 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

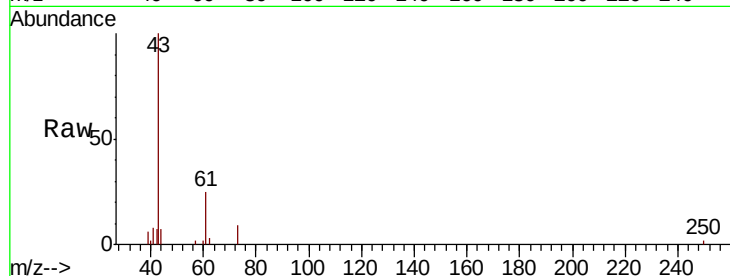
Tgt Ion: 43 Resp: 34429

Ion Ratio Lower Upper

43 100

61 24.6 22.2 33.2

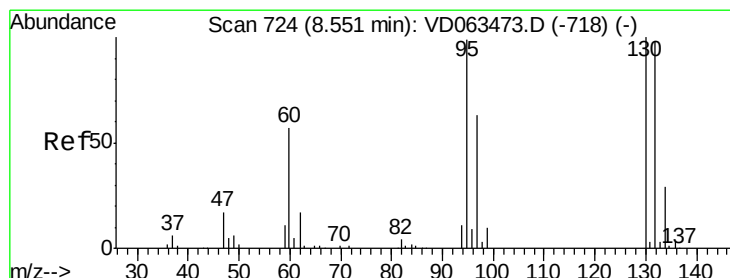
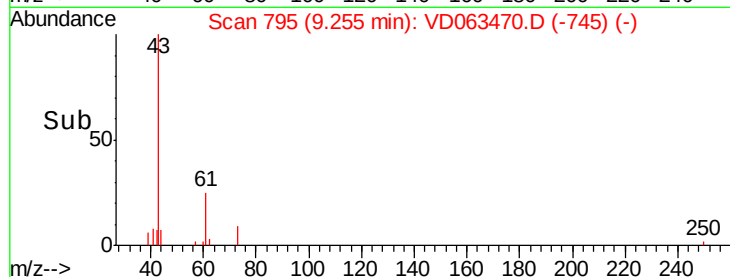
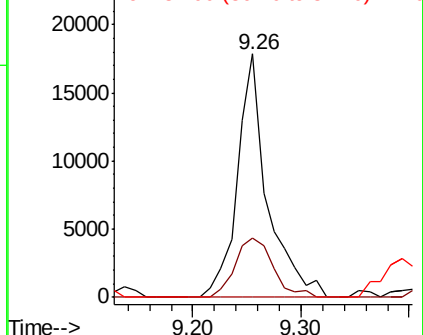
87 0.0 0.2 0.4#



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: 4.822 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063470.D

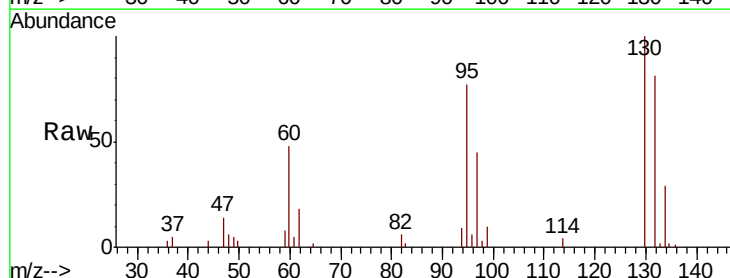
Acq: 9 Aug 2019 13:35

Tgt Ion: 130 Resp: 59990

Ion Ratio Lower Upper

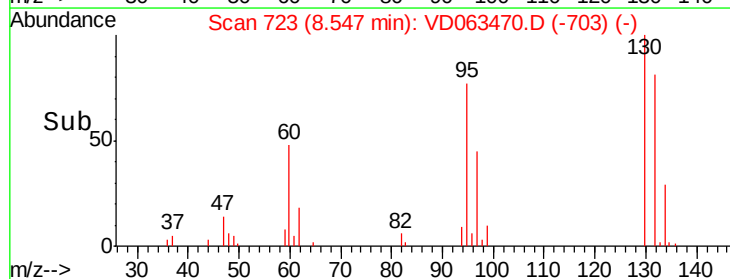
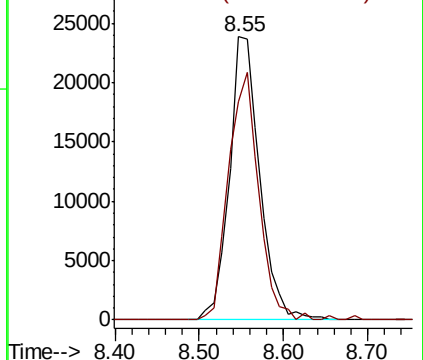
130 100

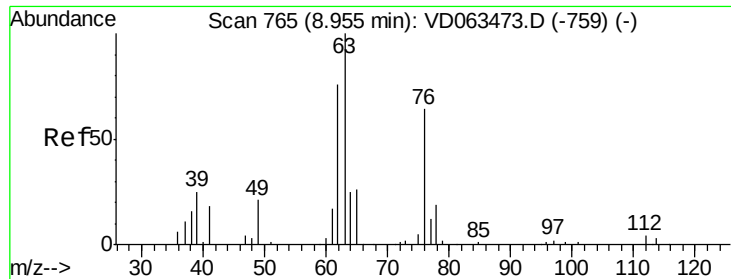
95 77.1 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

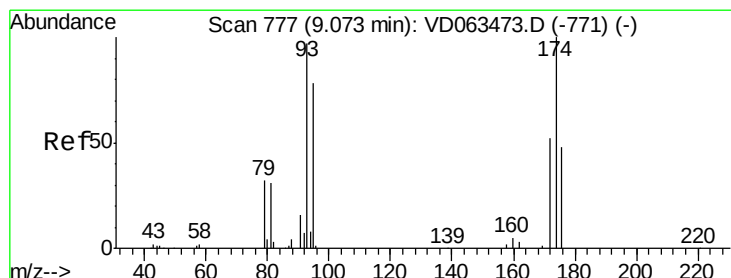
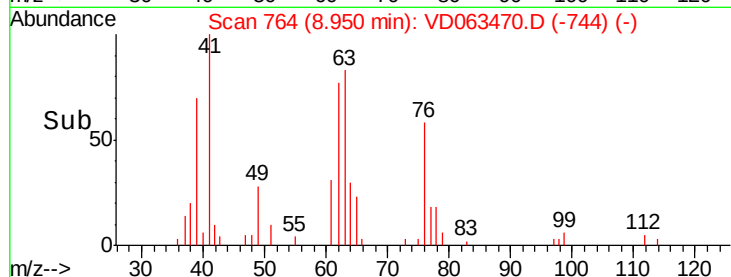
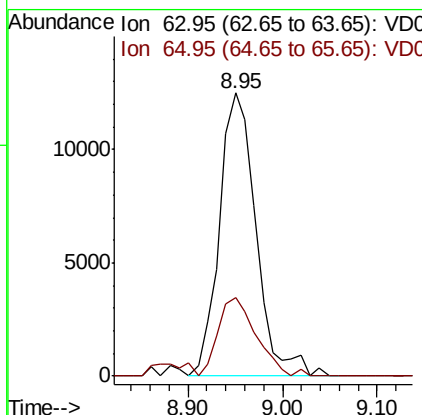
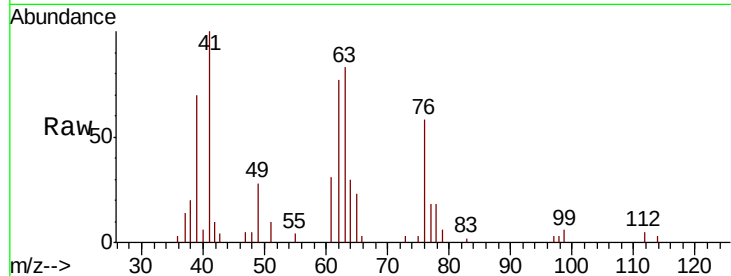




#45
 1,2-Dichloropropane
 Concen: 4.425 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

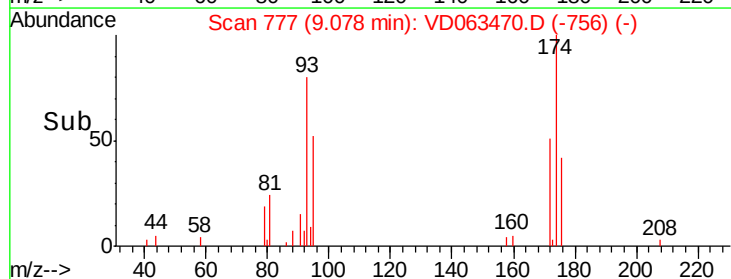
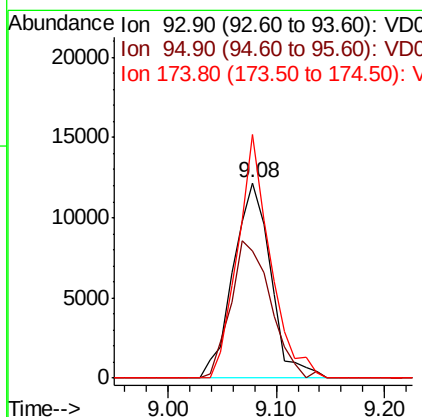
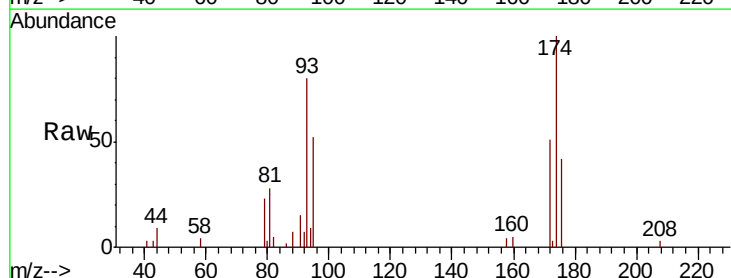
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

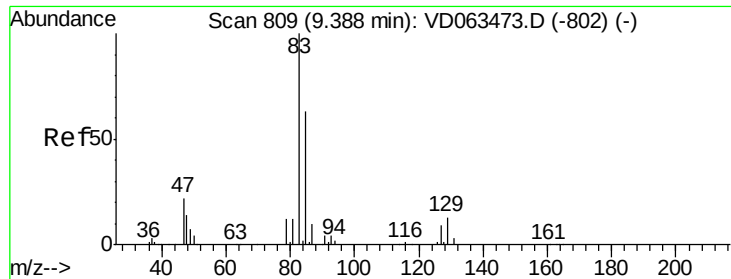
Tgt Ion: 63 Resp: 33532
 Ion Ratio Lower Upper
 63 100
 65 27.7 22.5 33.7



#46
 Dibromomethane
 Concen: 4.524 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion: 93 Resp: 29276
 Ion Ratio Lower Upper
 93 100
 95 65.2 64.2 96.2
 174 124.8 82.1 123.1#





#47

Bromodichloromethane

Concen: 4.337 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

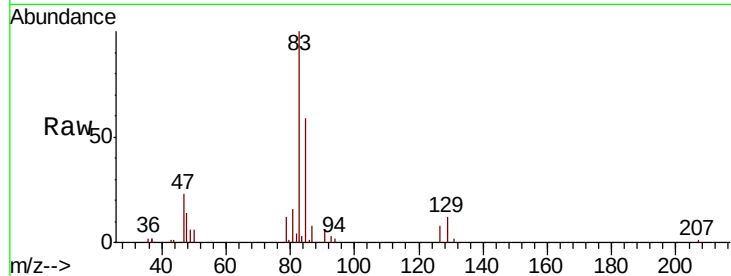
Tgt Ion: 83 Resp: 71997

Ion Ratio Lower Upper

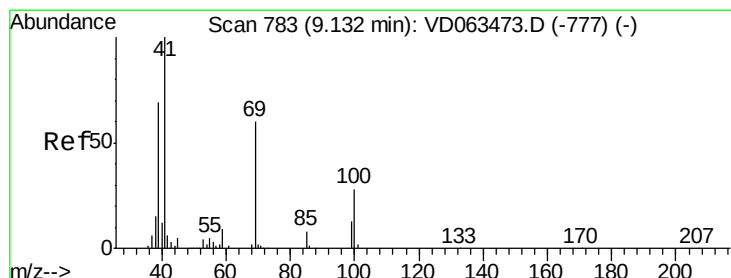
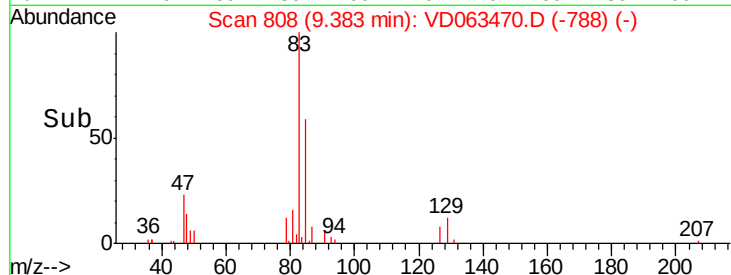
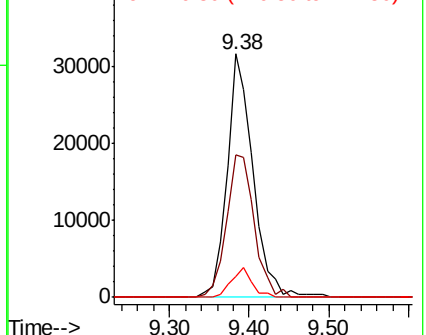
83 100

85 58.7 50.1 75.1

127 8.5 7.6 11.4



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: 4.370 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

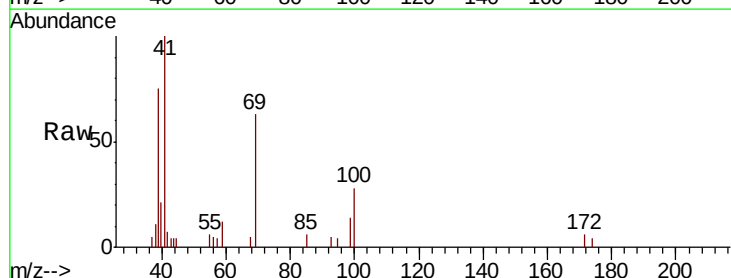
Tgt Ion: 41 Resp: 24592

Ion Ratio Lower Upper

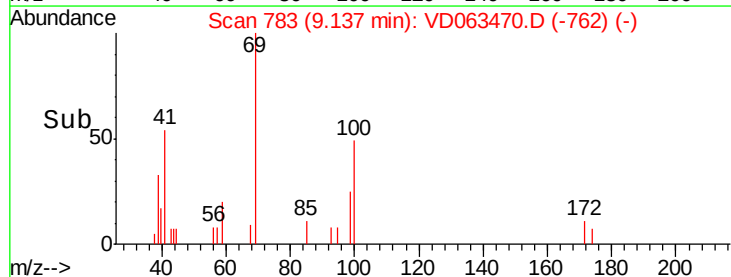
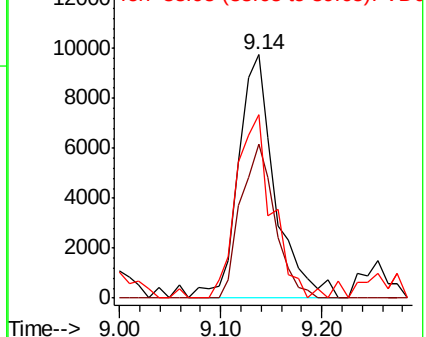
41 100

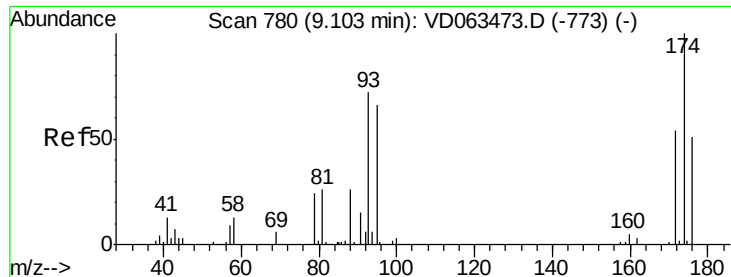
69 63.3 47.6 71.4

39 75.3 55.7 83.5



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

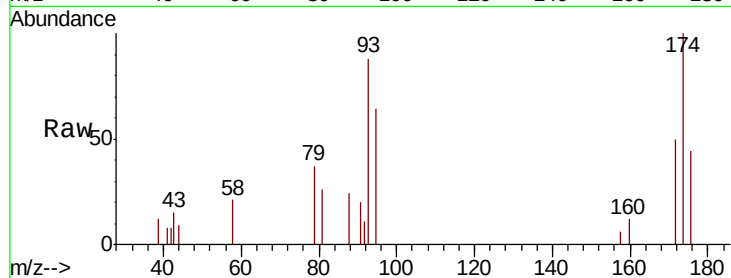




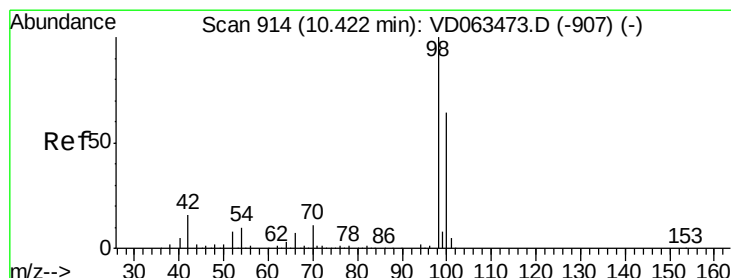
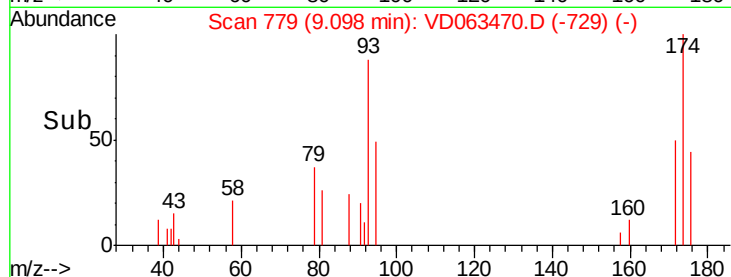
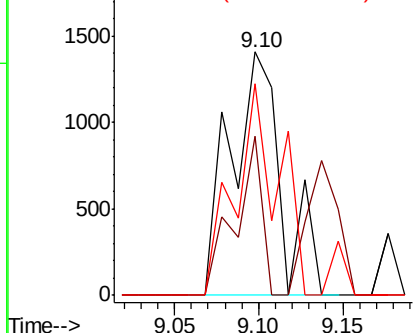
#49
 1,4-Dioxane
 Concen: 61.120 ug/l
 RT: 9.10 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 88 Resp: 2927
 Ion Ratio Lower Upper
 88 100
 43 65.2 22.9 34.3#
 58 87.1 40.1 60.1#

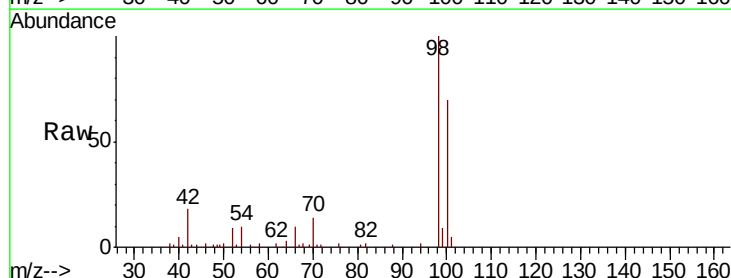


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

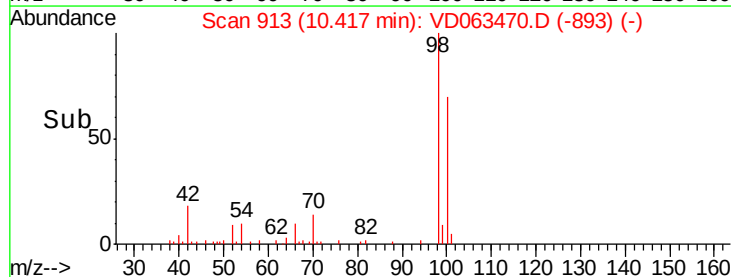
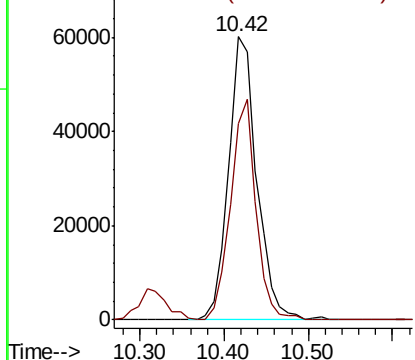


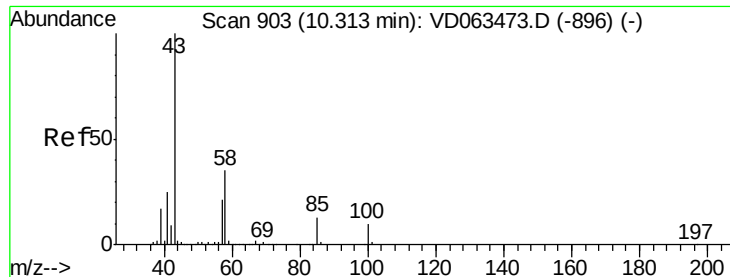
#50
 Toluene-d8
 Concen: 4.536 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion: 98 Resp: 140493
 Ion Ratio Lower Upper
 98 100
 100 69.5 51.7 77.5



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

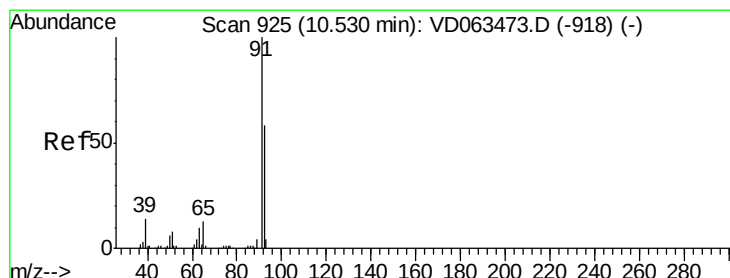
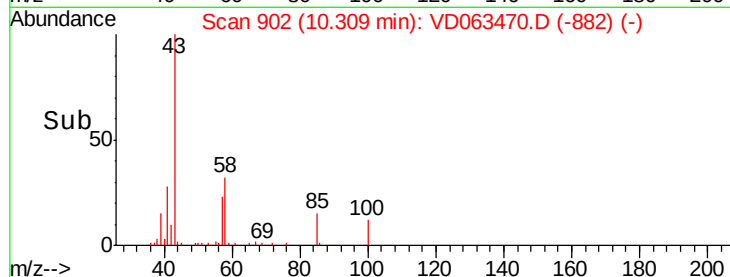
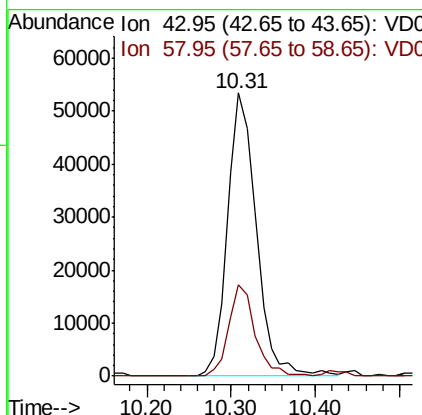
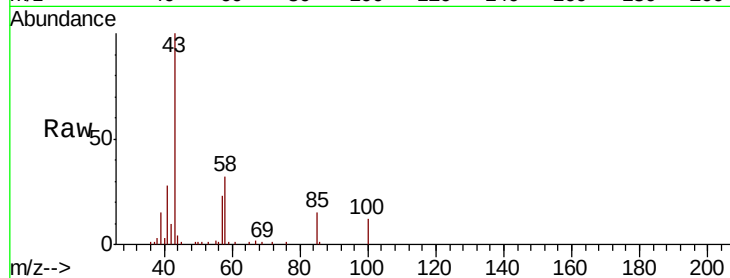




#51
 4-Methyl-2-Pentanone
 Concen: 22.303 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

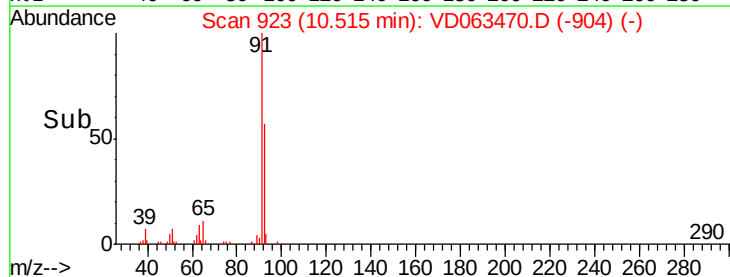
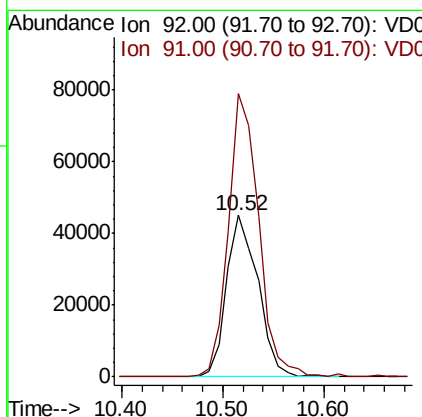
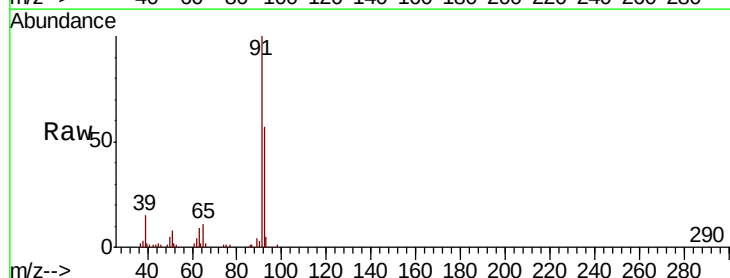
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

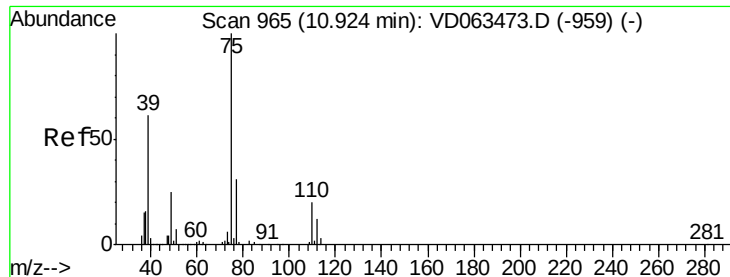
Tgt Ion: 43 Resp: 126645
 Ion Ratio Lower Upper
 43 100
 58 32.2 28.0 42.0



#52
 Toluene
 Concen: 4.667 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion: 92 Resp: 97808
 Ion Ratio Lower Upper
 92 100
 91 175.3 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 4.369 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

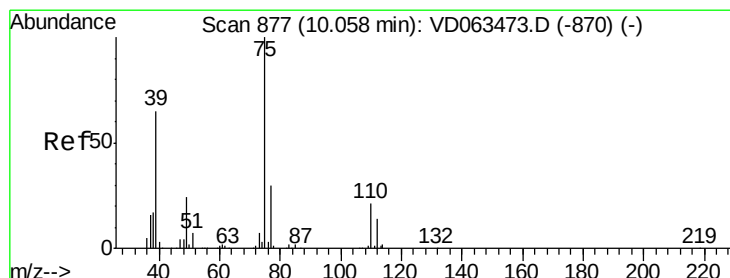
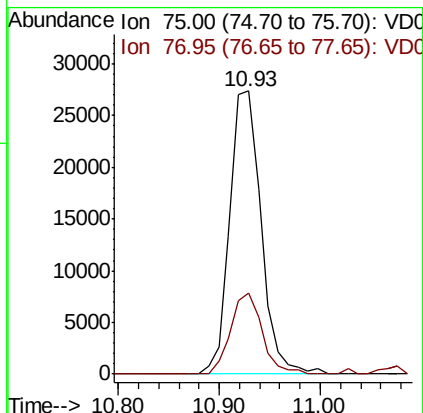
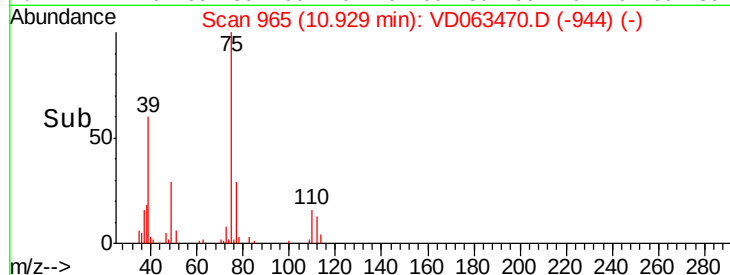
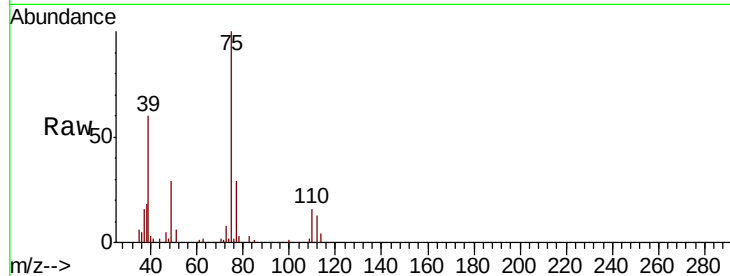
VSTDIC005

Tgt Ion: 75 Resp: 59192

Ion Ratio Lower Upper

75 100

77 28.8 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 4.319 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

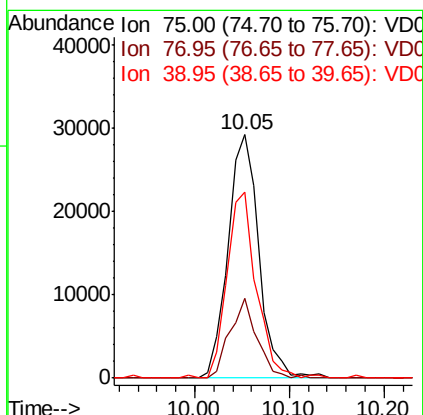
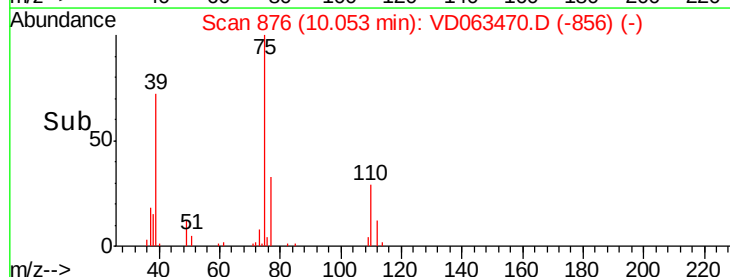
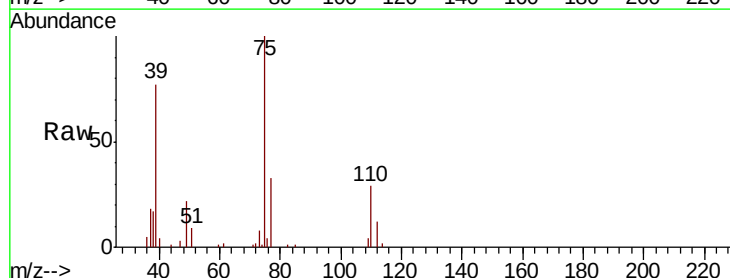
Tgt Ion: 75 Resp: 65968

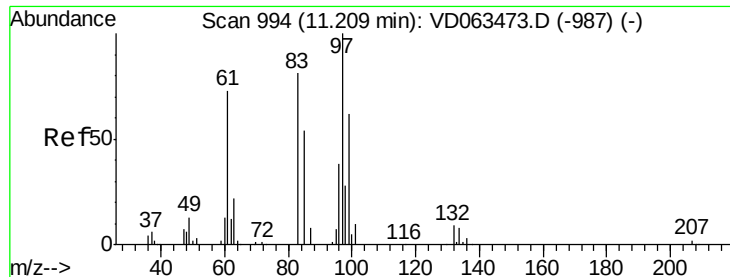
Ion Ratio Lower Upper

75 100

77 32.8 23.7 35.5

39 76.5 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 4.529 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 32066

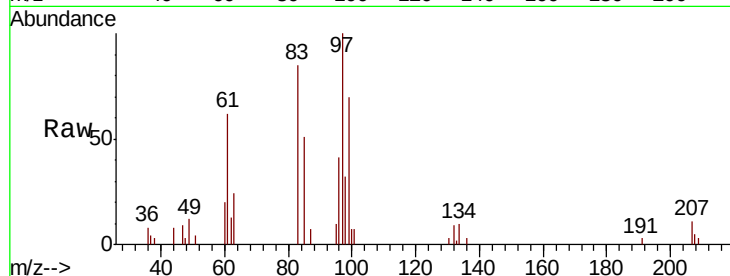
Ion Ratio Lower Upper

97 100

83 85.2 64.7 97.1

85 51.1 42.9 64.3

99 69.8 49.7 74.5

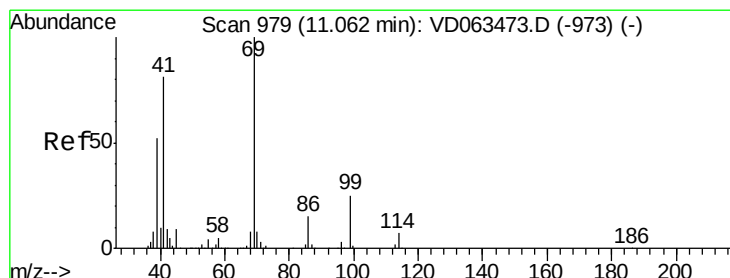
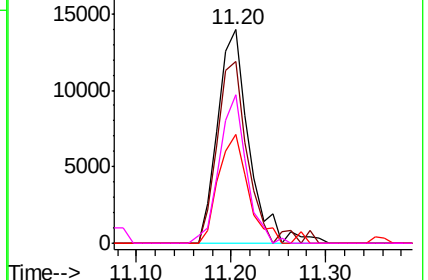
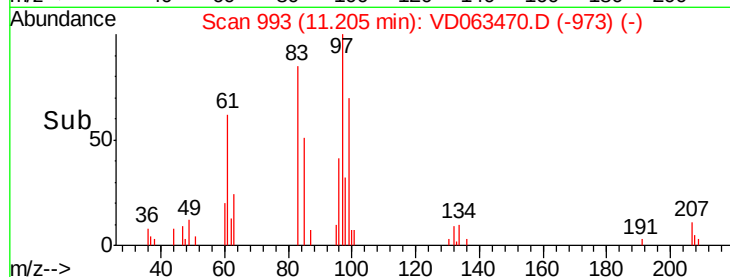


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 3.956 ug/l

RT: 11.06 min Scan# 978

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

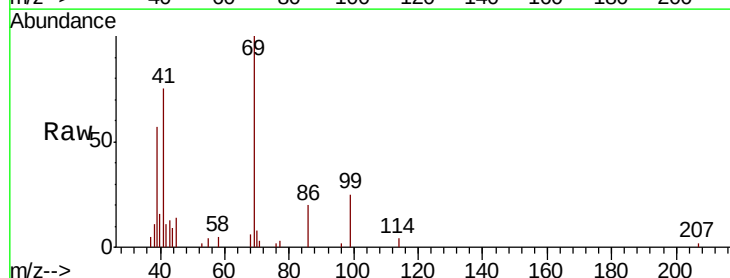
Tgt Ion: 69 Resp: 30402

Ion Ratio Lower Upper

69 100

41 75.1 64.8 97.2

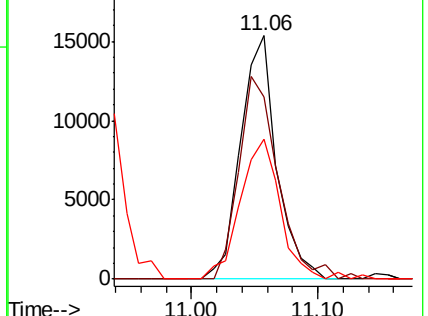
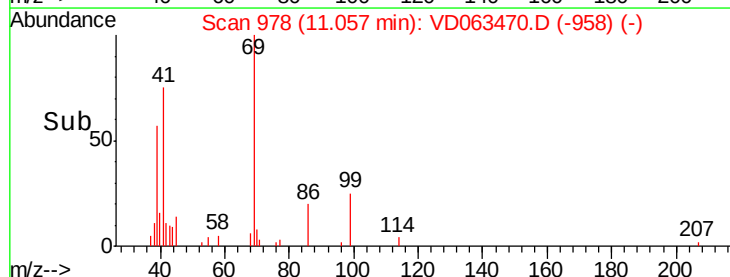
39 57.3 42.4 63.6

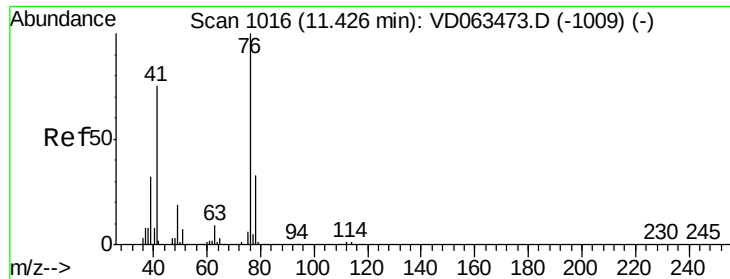


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 4.473 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

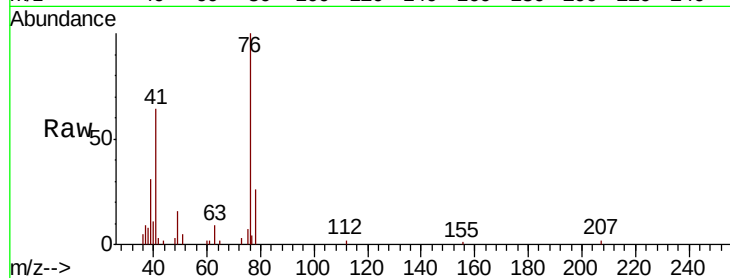
VSTDIC005

Tgt Ion: 76 Resp: 47868

Ion Ratio Lower Upper

76 100

78 25.8 26.3 39.5#



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

25000

20000

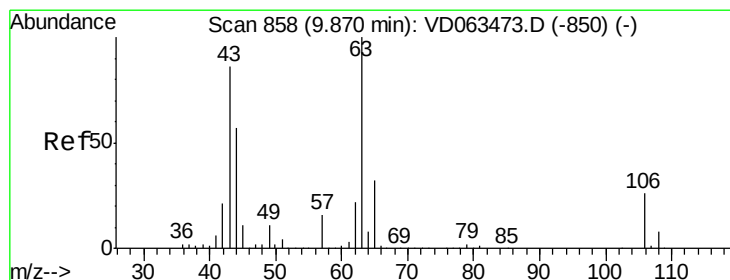
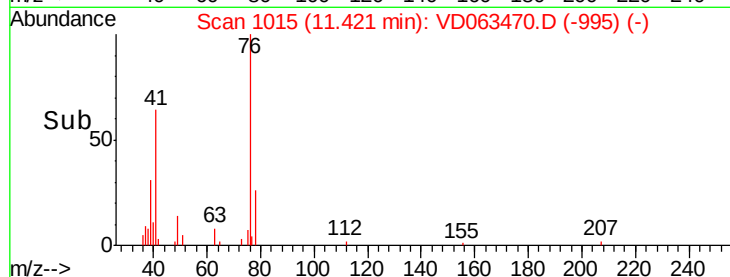
15000

10000

5000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 20.643 ug/l

RT: 9.88 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD063470.D

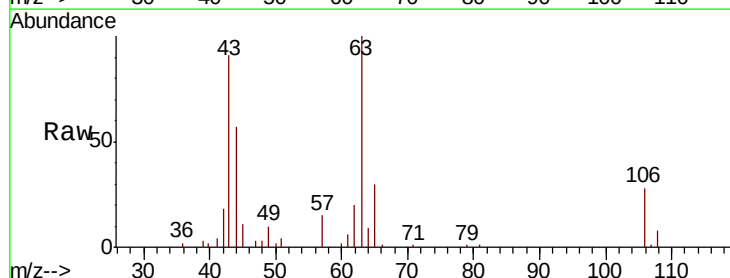
Acq: 9 Aug 2019 13:35

Tgt Ion: 63 Resp: 83746

Ion Ratio Lower Upper

63 100

106 27.7 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.88

40000

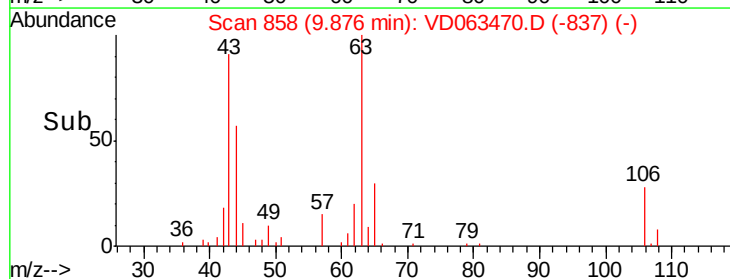
30000

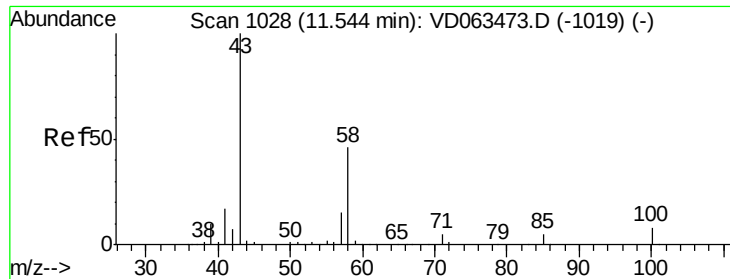
20000

10000

0

Time--> 9.80 9.90 10.00

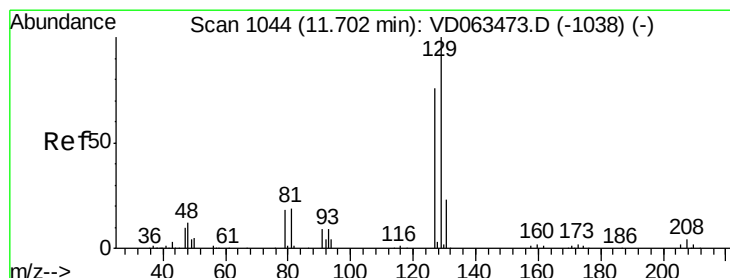
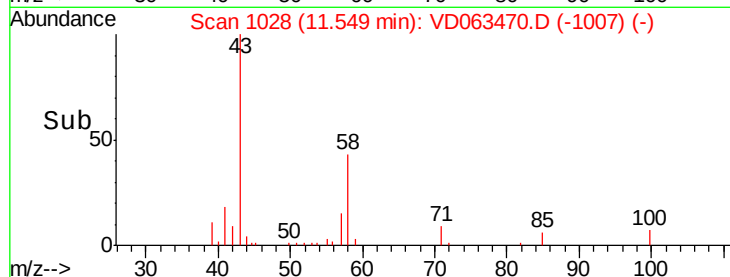
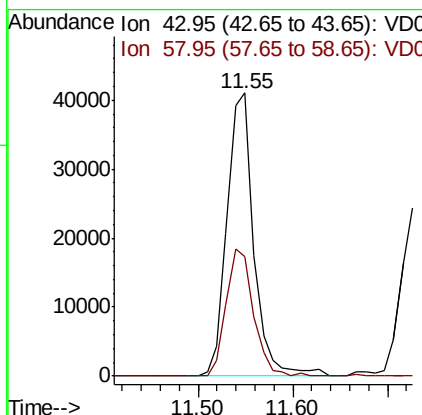
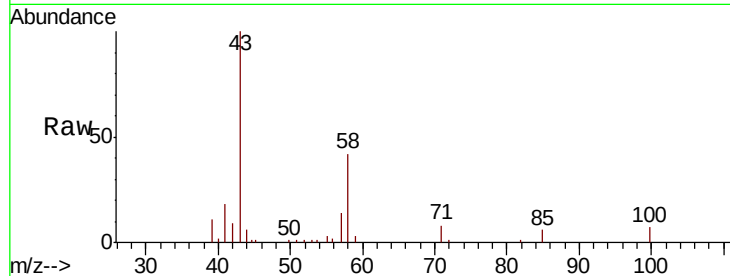




#59
2-Hexanone
Concen: 19.535 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

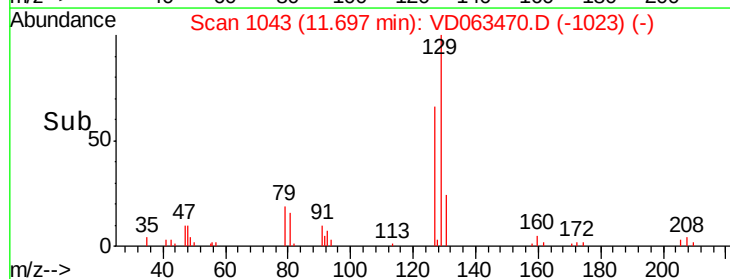
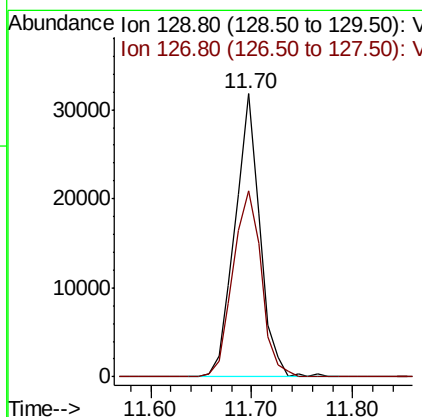
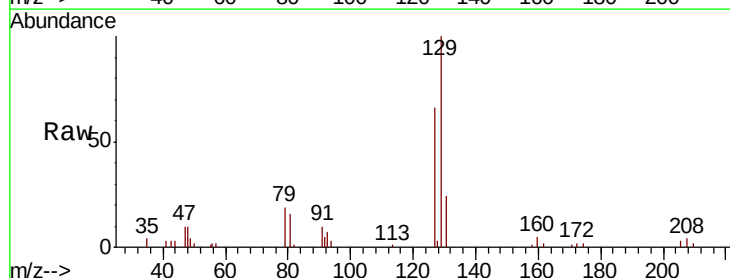
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

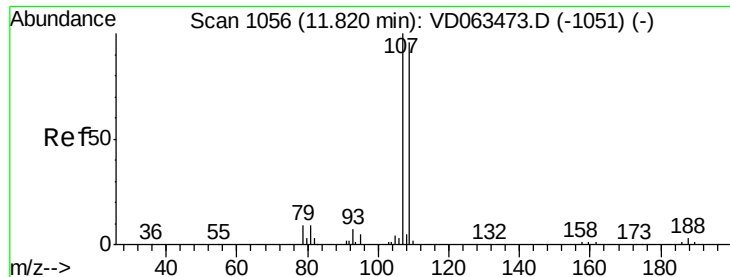
Tgt Ion: 43 Resp: 80715
Ion Ratio Lower Upper
43 100
58 42.5 23.1 69.2



#60
Dibromochloromethane
Concen: 4.230 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion: 129 Resp: 54490
Ion Ratio Lower Upper
129 100
127 65.5 37.8 113.4

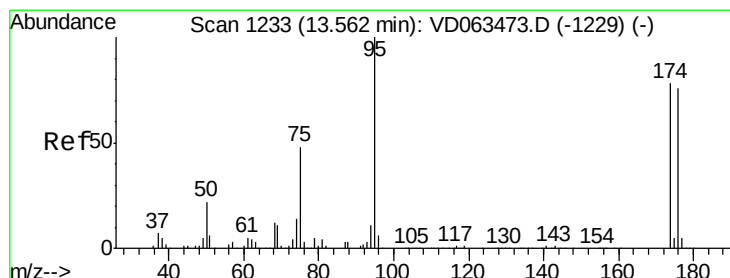
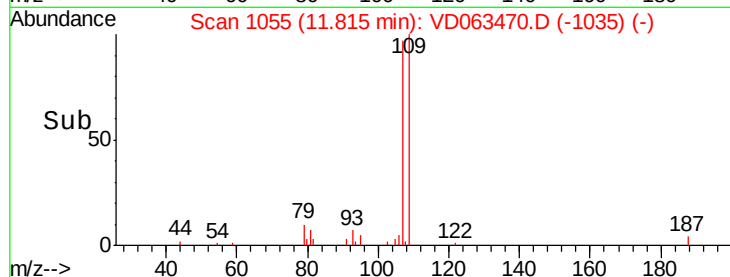
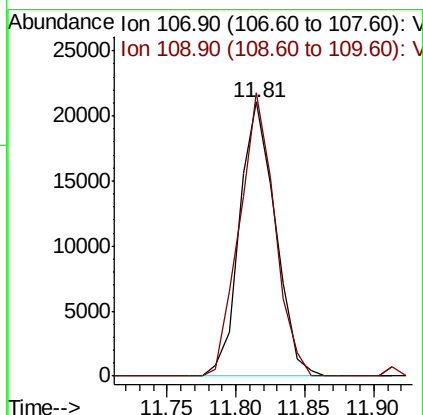
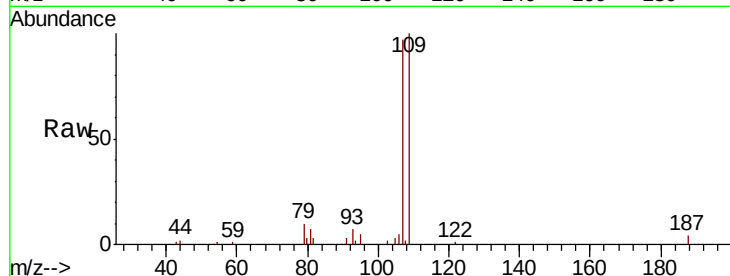




#61
 1,2-Dibromoethane
 Concen: 4.447 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

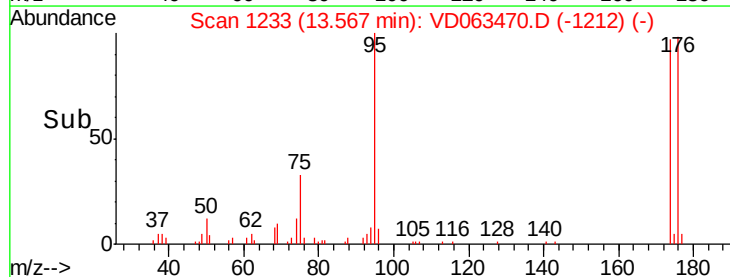
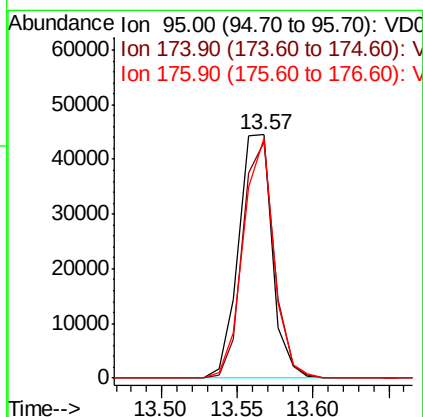
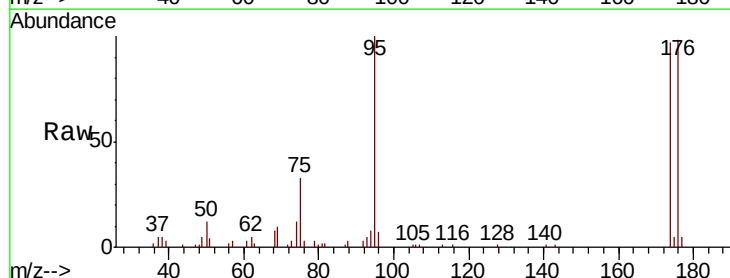
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

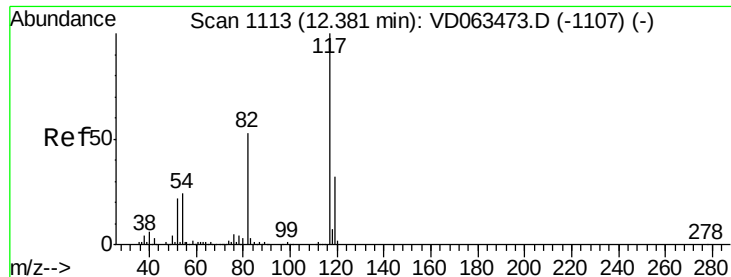
Tgt Ion: 107 Resp: 38112
 Ion Ratio Lower Upper
 107 100
 109 103.3 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 4.914 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion: 95 Resp: 68975
 Ion Ratio Lower Upper
 95 100
 174 96.7 0.0 155.4
 176 98.3 0.0 152.4

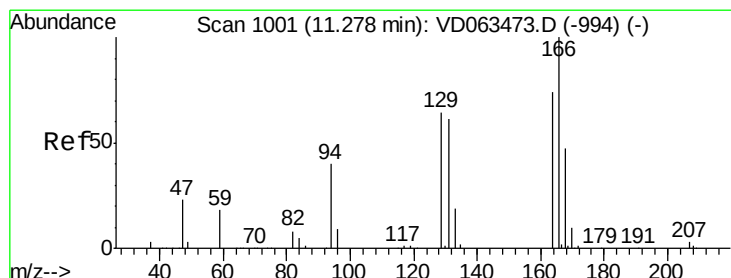
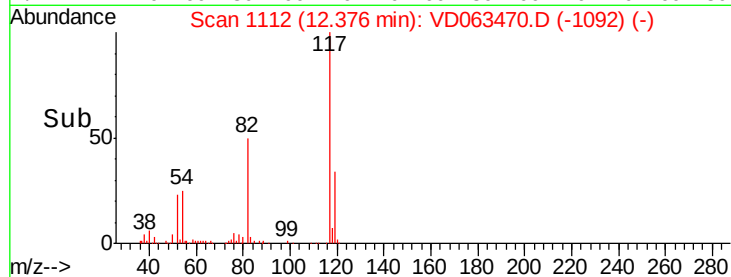
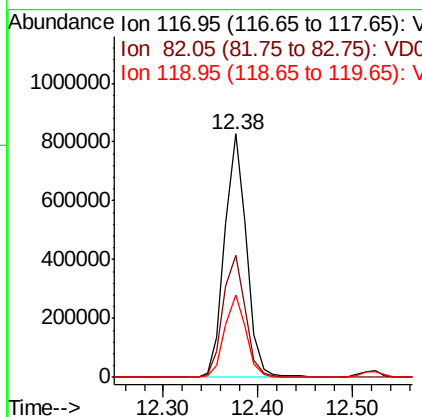
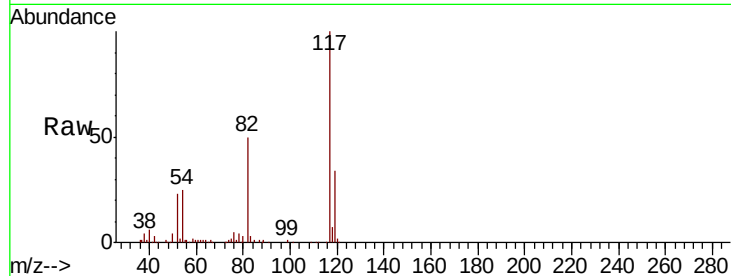




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

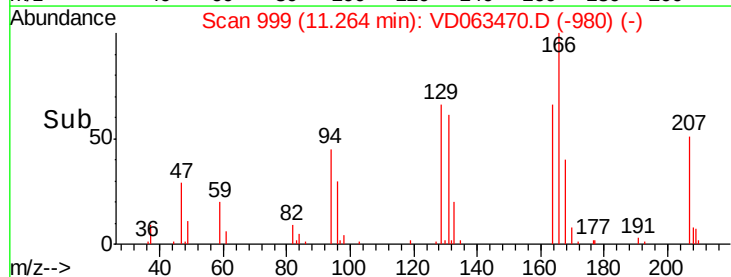
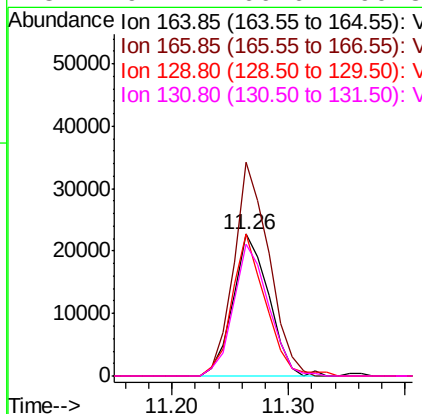
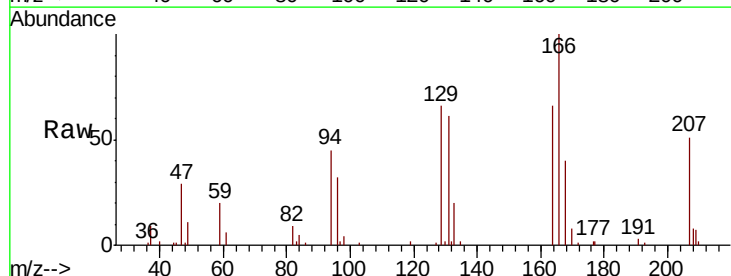
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

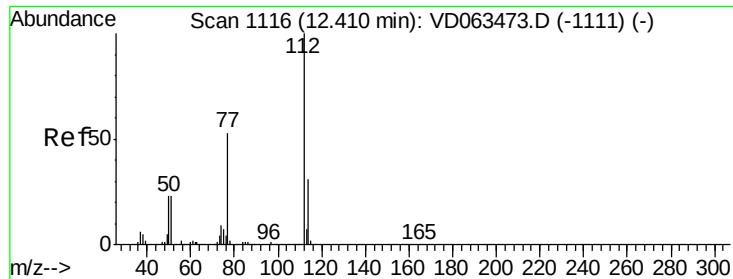
Tgt Ion:117 Resp: 1324015
Ion Ratio Lower Upper
117 100
82 50.2 42.0 63.0
119 34.1 25.4 38.0



#64
Tetrachloroethene
Concen: 4.716 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion:164 Resp: 48201
Ion Ratio Lower Upper
164 100
166 150.7 108.6 163.0
129 100.0 69.0 103.6
131 92.7 66.6 99.8

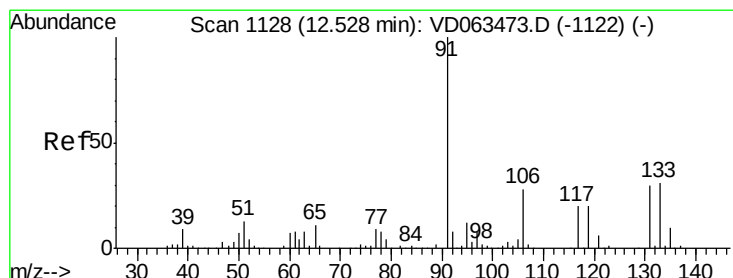
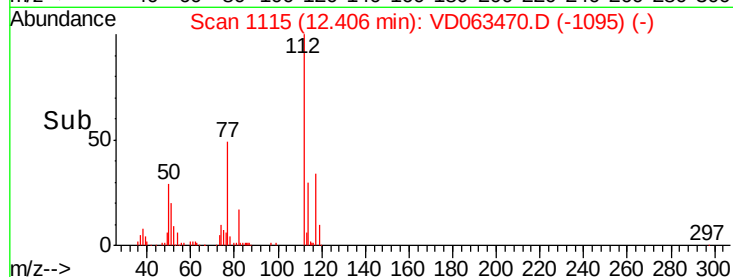
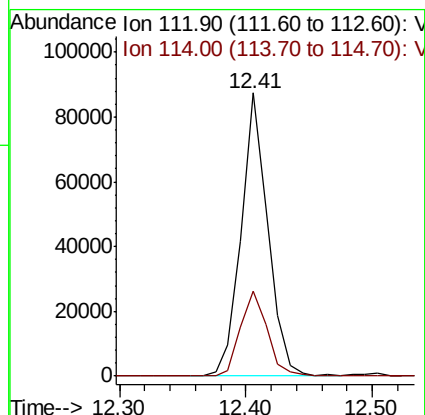
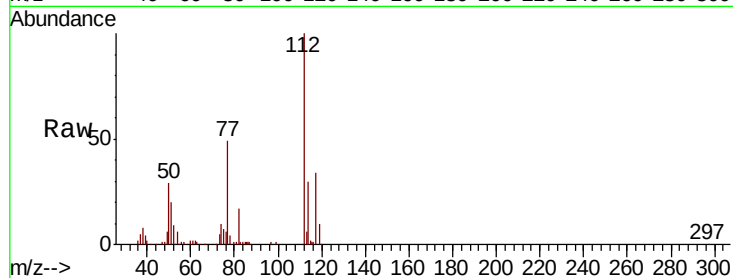




#65
Chlorobenzene
Concen: 5.121 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

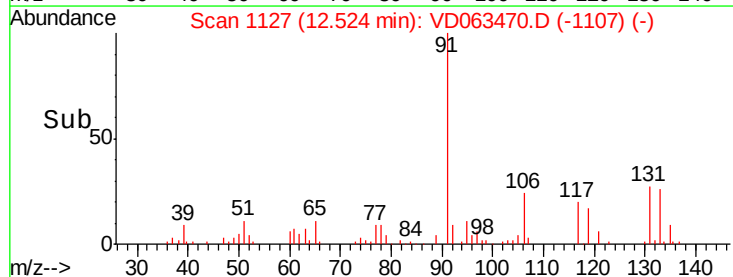
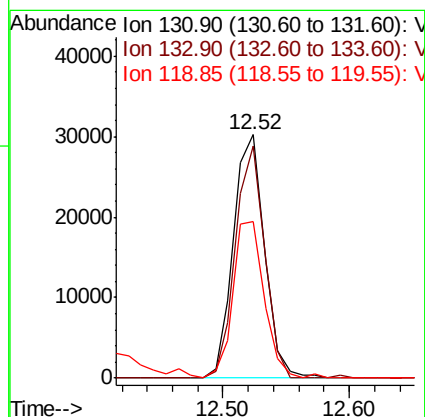
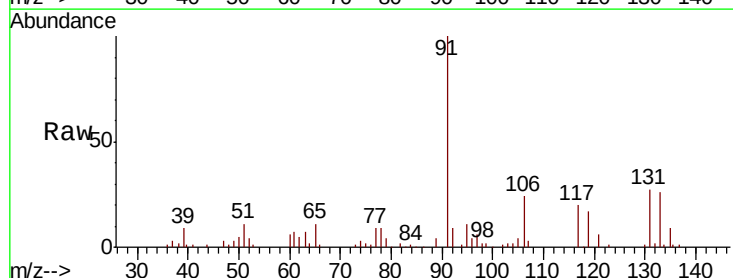
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

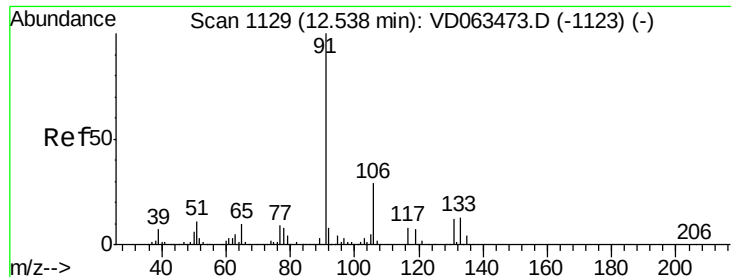
Tgt Ion:112 Resp: 127075
Ion Ratio Lower Upper
112 100
114 30.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 4.717 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion:131 Resp: 51512
Ion Ratio Lower Upper
131 100
133 95.3 51.1 153.3
119 64.4 33.1 99.3

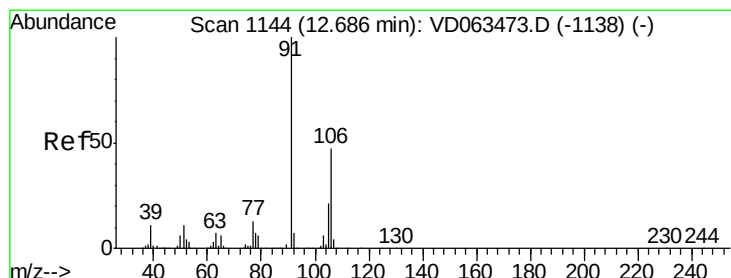
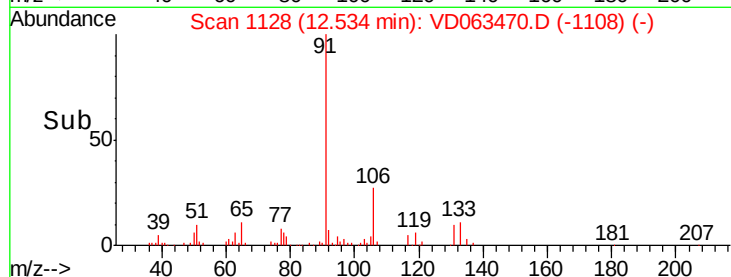
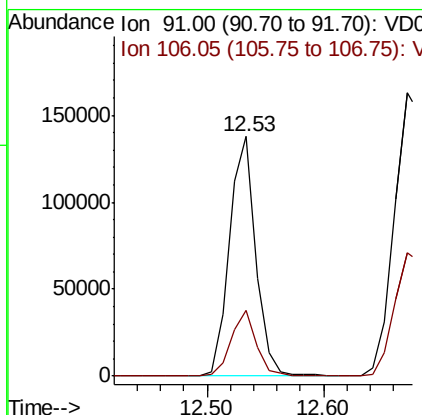
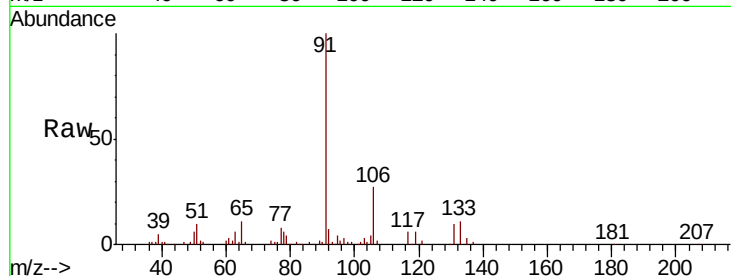




#67
Ethyl Benzene
Concen: 4.980 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

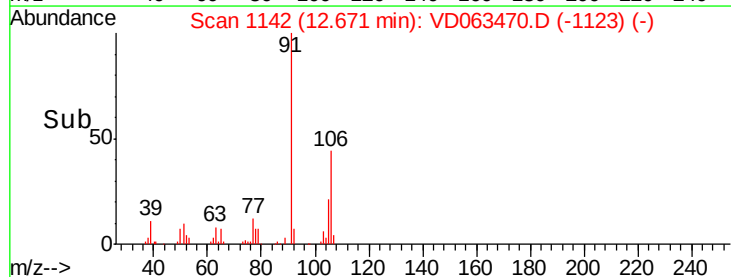
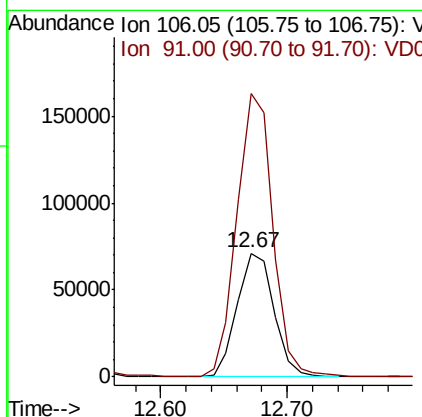
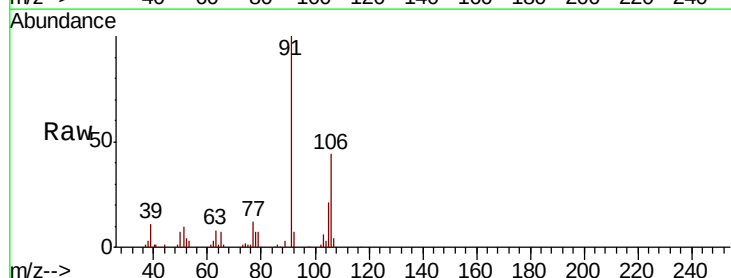
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

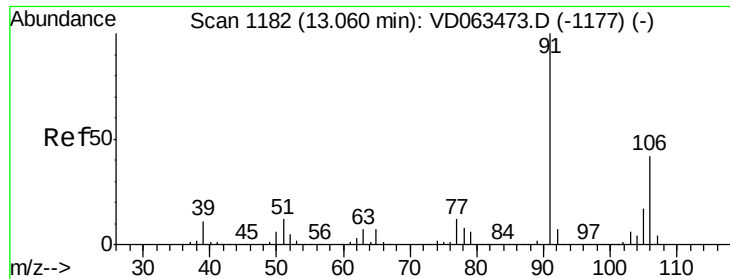
Tgt Ion: 91 Resp: 214864
Ion Ratio Lower Upper
91 100
106 27.2 23.1 34.7



#68
m/p-Xylenes
Concen: 9.459 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion: 106 Resp: 143384
Ion Ratio Lower Upper
106 100
91 229.2 171.8 257.8

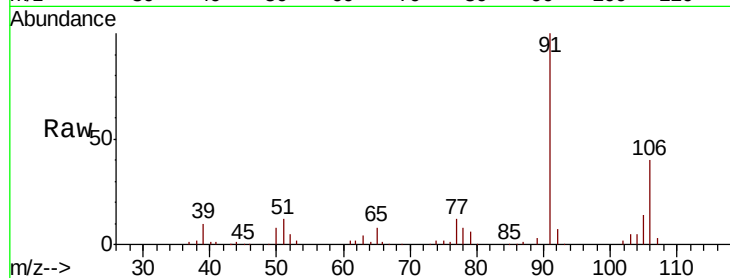




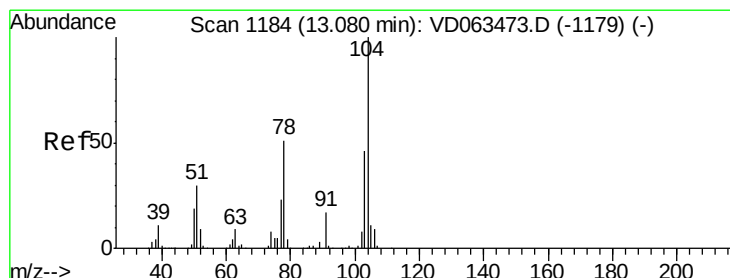
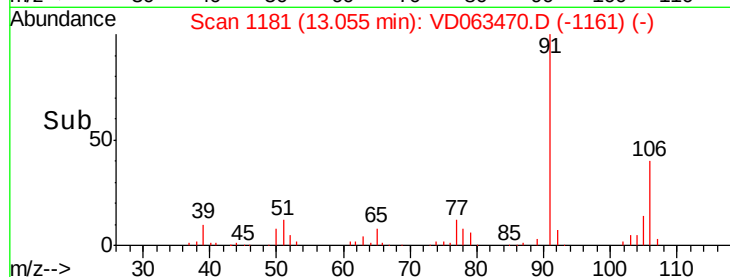
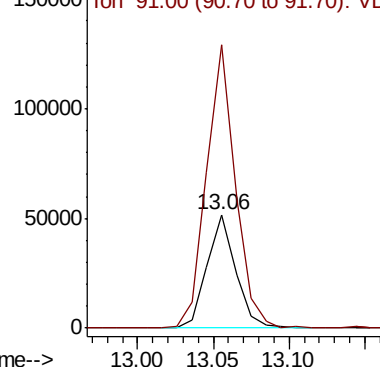
#69
o-Xylene
Concen: 4.645 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 67764
Ion Ratio Lower Upper
106 100
91 249.7 118.1 354.2

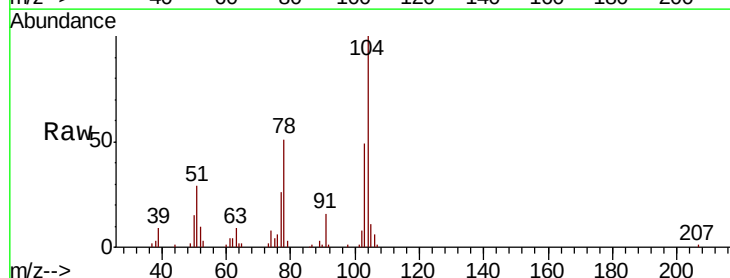


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

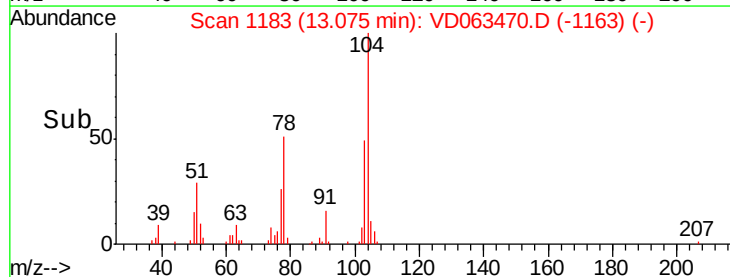
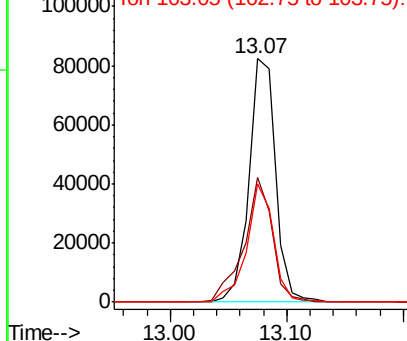


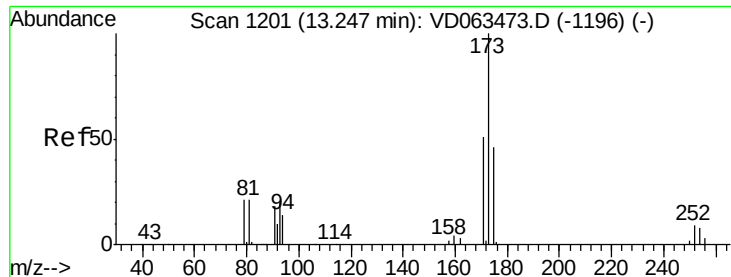
#70
Styrene
Concen: 5.042 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion:104 Resp: 130844
Ion Ratio Lower Upper
104 100
78 50.9 40.8 61.2
103 48.8 36.4 54.6



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





#71

Bromoform

Concen: 4.238 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

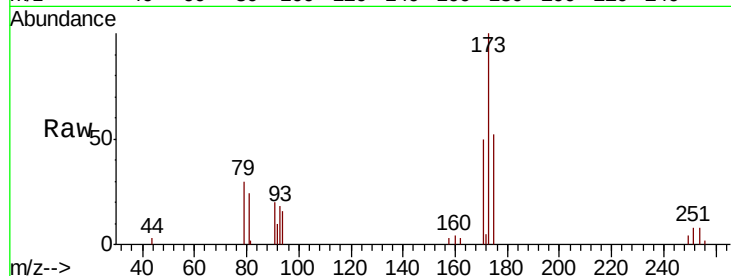
Tgt Ion:173 Resp: 31734

Ion Ratio Lower Upper

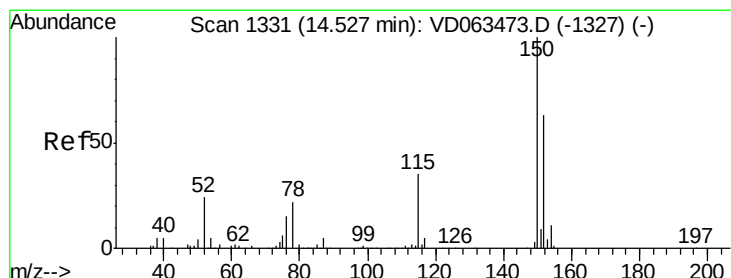
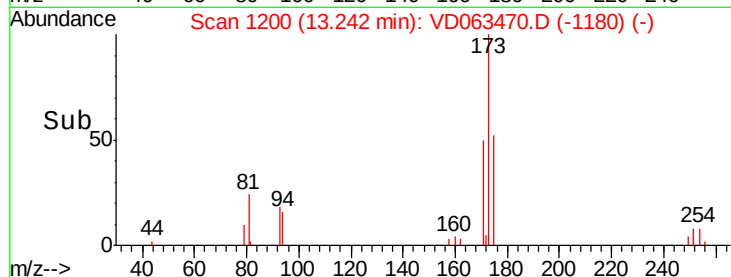
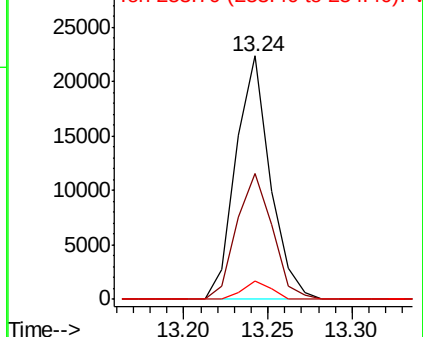
173 100

175 51.6 22.8 68.3

254 7.6 6.6 9.8



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: VD063470.D

Acq: 9 Aug 2019 13:35

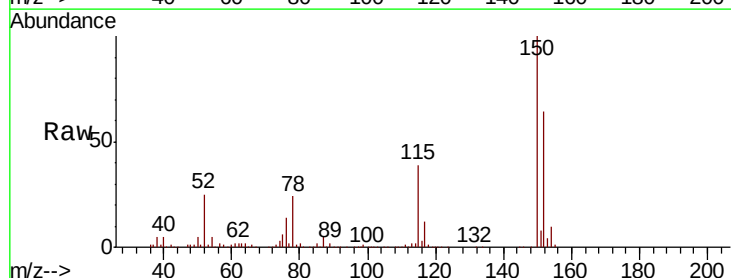
Tgt Ion:152 Resp: 715110

Ion Ratio Lower Upper

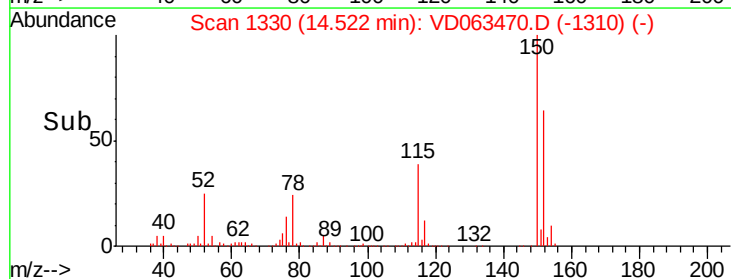
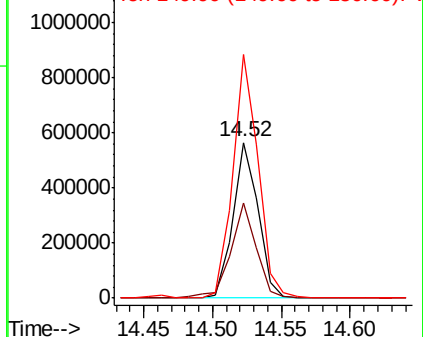
152 100

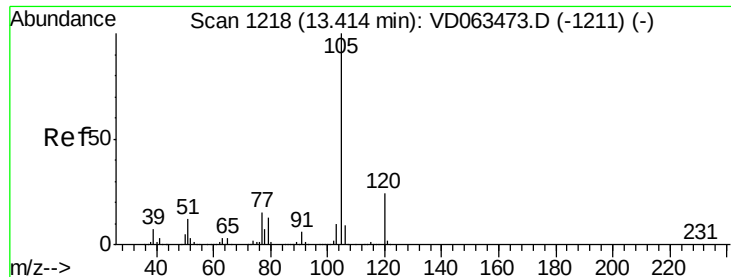
115 60.7 30.9 92.7

150 156.2 0.0 318.6



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

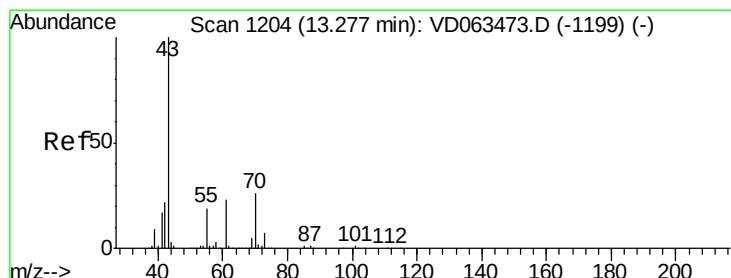
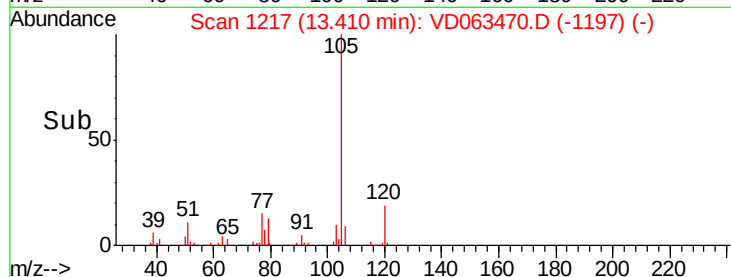
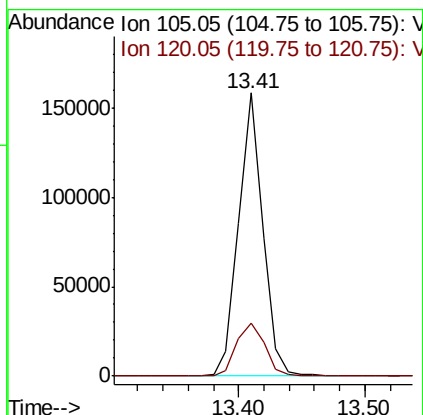
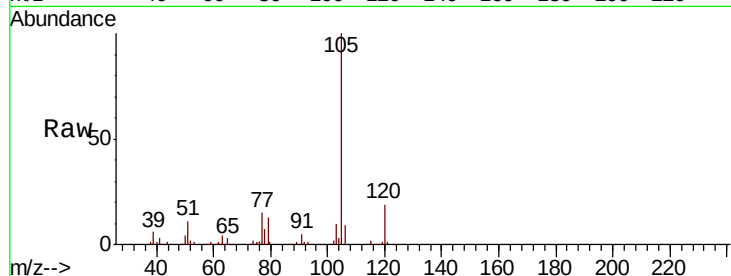




#73
Isopropylbenzene
Concen: 4.595 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

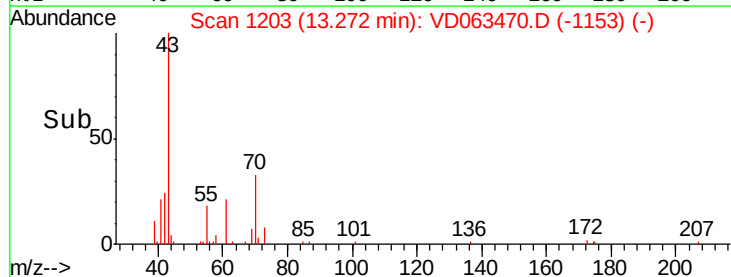
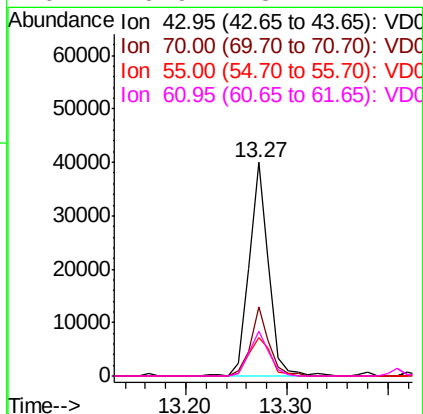
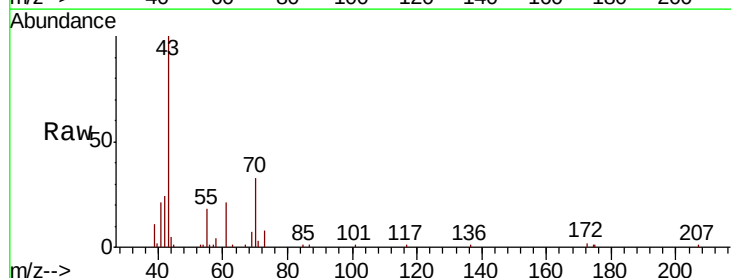
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

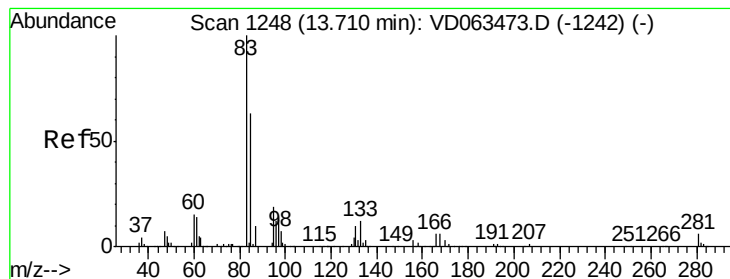
Tgt Ion: 105 Resp: 209006
Ion Ratio Lower Upper
105 100
120 18.8 11.9 35.9



#74
N-ethyl acetate
Concen: 4.738 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion: 43 Resp: 54102
Ion Ratio Lower Upper
43 100
70 32.6 21.1 31.7#
55 17.9 15.4 23.0
61 20.9 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.318 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

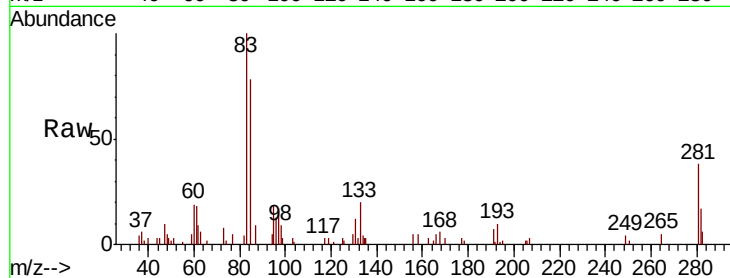
Tgt Ion: 83 Resp: 32602

Ion Ratio Lower Upper

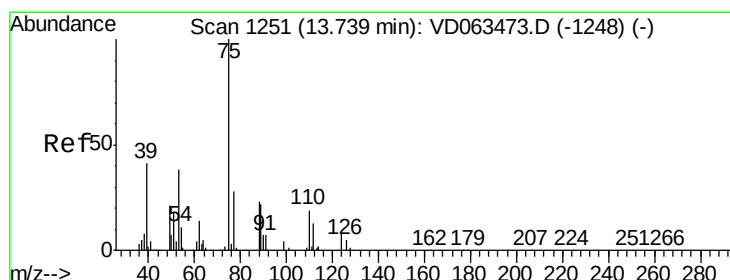
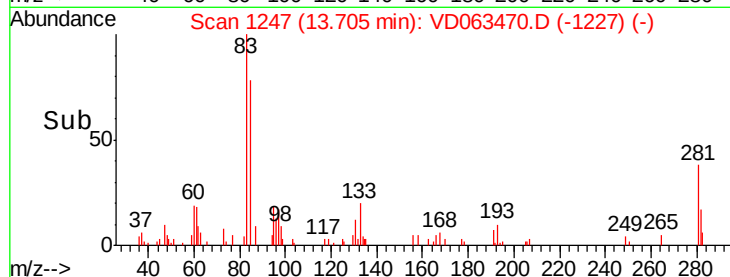
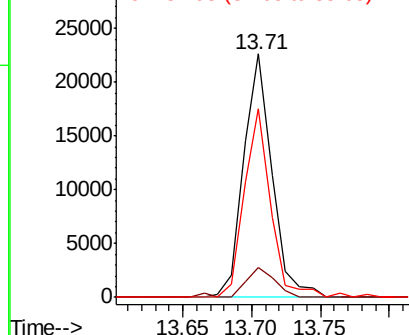
83 100

131 12.2 5.3 15.8

85 77.6 31.4 94.3



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: 4.707 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063470.D

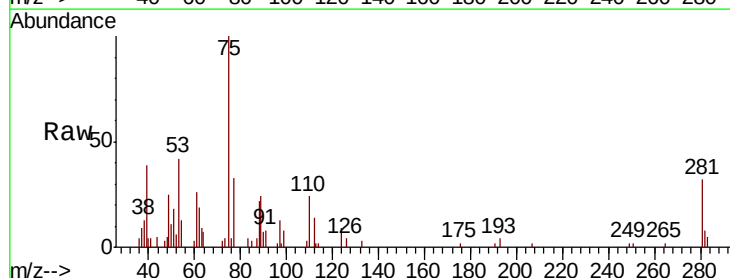
Acq: 9 Aug 2019 13:35

Tgt Ion: 75 Resp: 38633

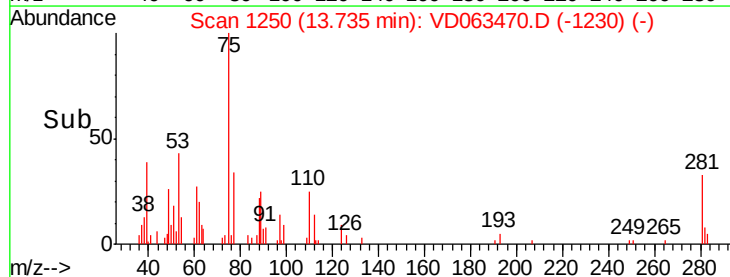
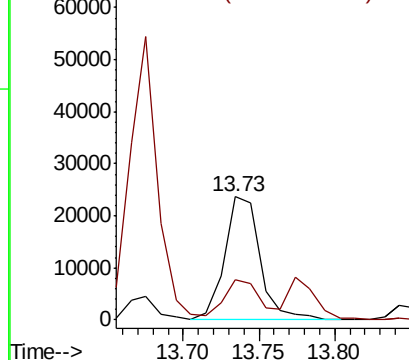
Ion Ratio Lower Upper

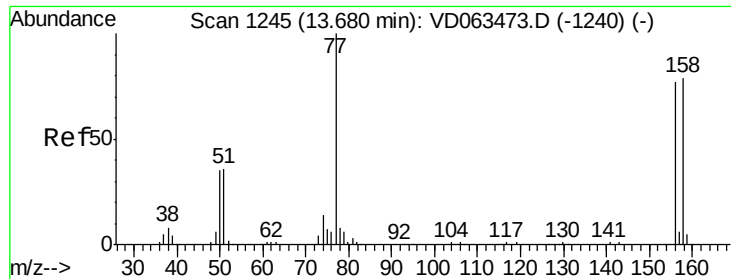
75 100

77 32.7 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 4.660 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

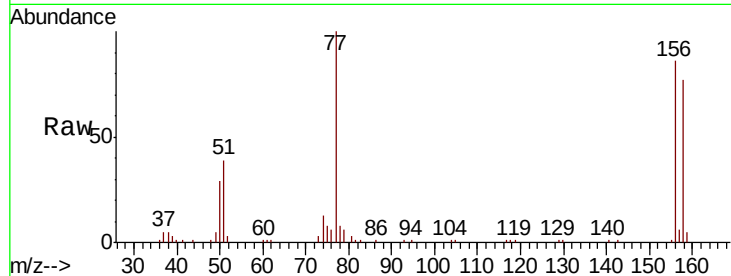
Tgt Ion:156 Resp: 57926

Ion Ratio Lower Upper

156 100

77 116.7 64.6 193.8

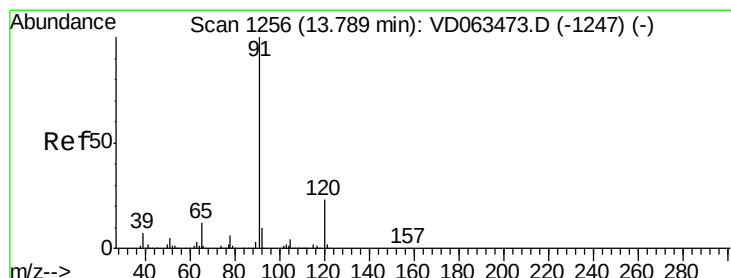
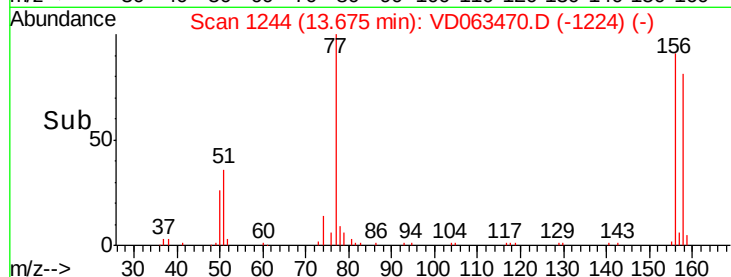
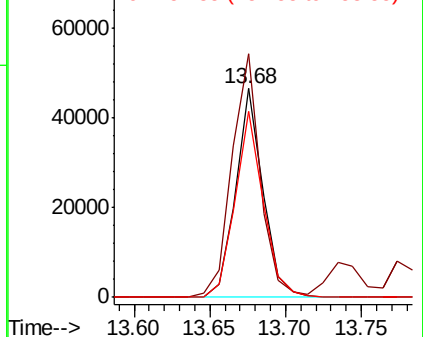
158 89.5 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 4.885 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063470.D

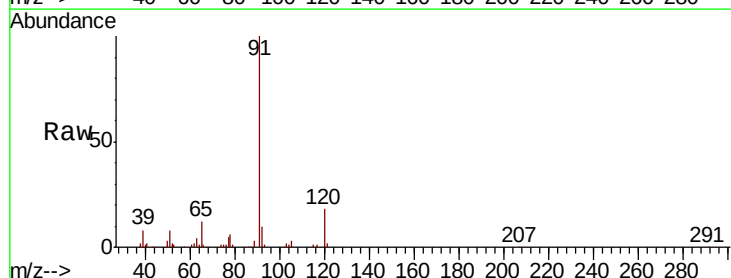
Acq: 9 Aug 2019 13:35

Tgt Ion: 91 Resp: 259990

Ion Ratio Lower Upper

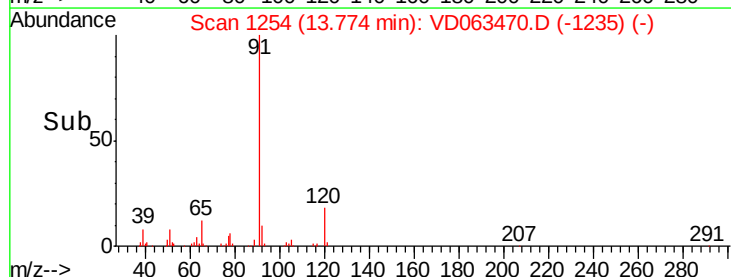
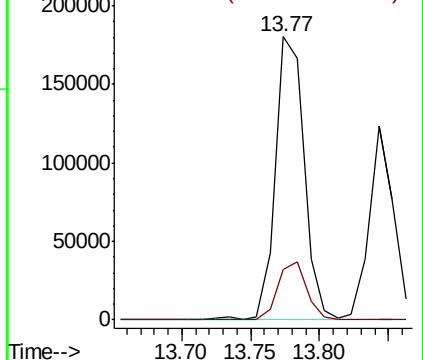
91 100

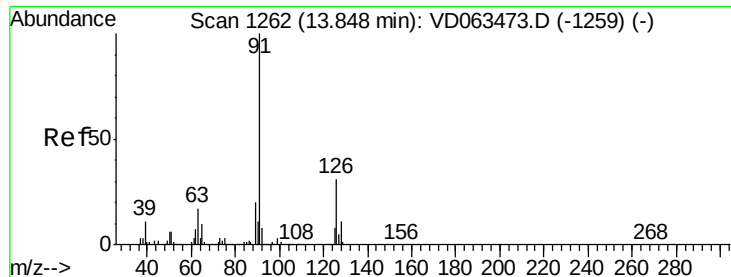
120 17.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 4.982 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

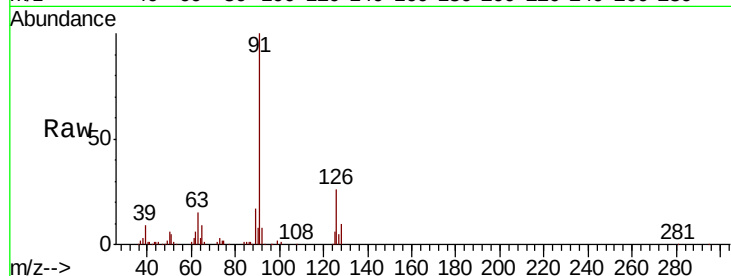
VSTDIC005

Tgt Ion: 91 Resp: 152844

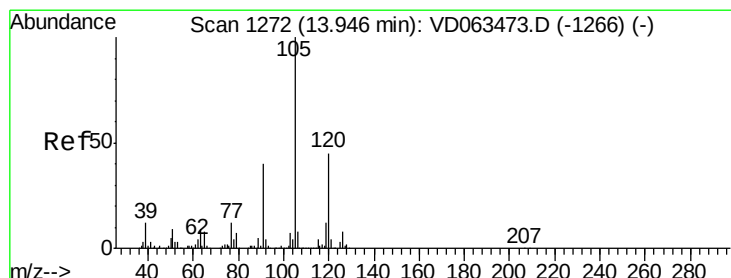
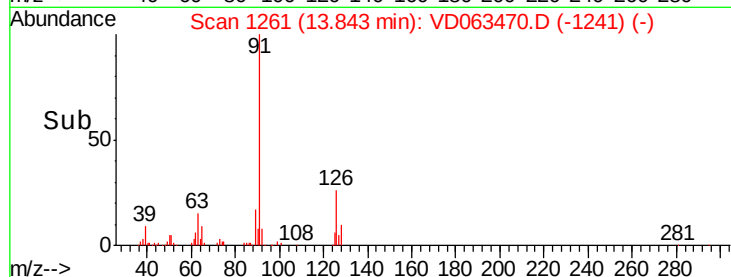
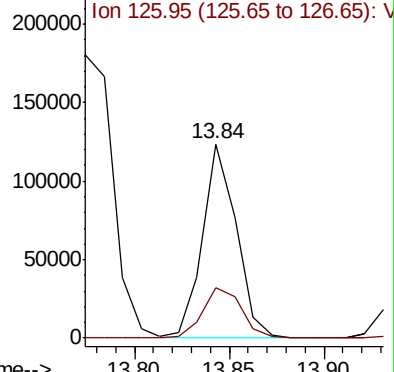
Ion Ratio Lower Upper

91 100

126 25.8 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 4.864 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063470.D

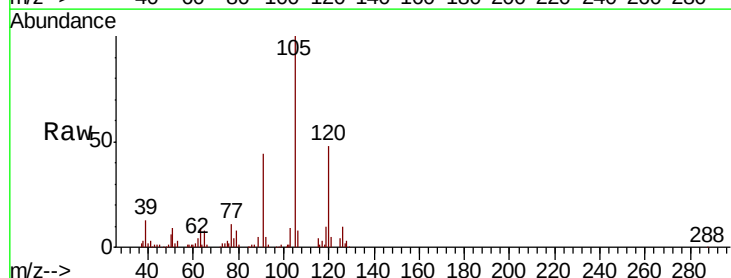
Acq: 9 Aug 2019 13:35

Tgt Ion: 105 Resp: 193321

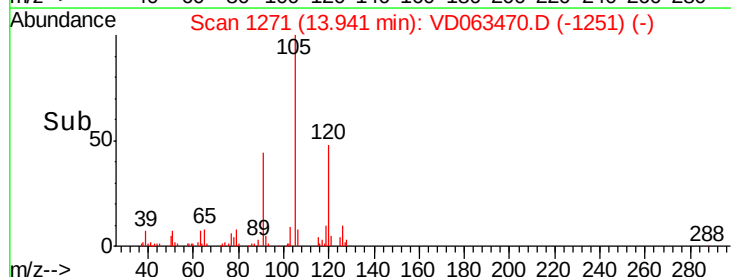
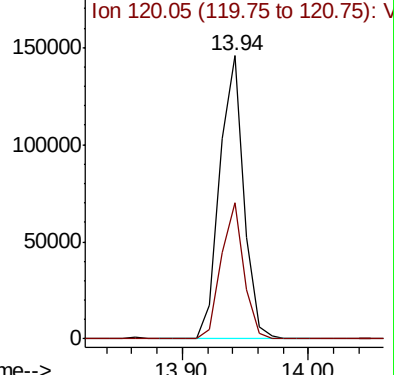
Ion Ratio Lower Upper

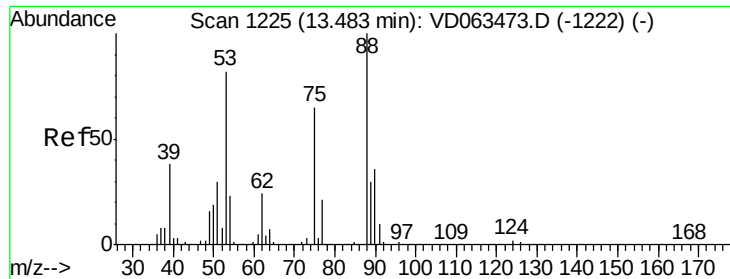
105 100

120 47.9 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.354 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

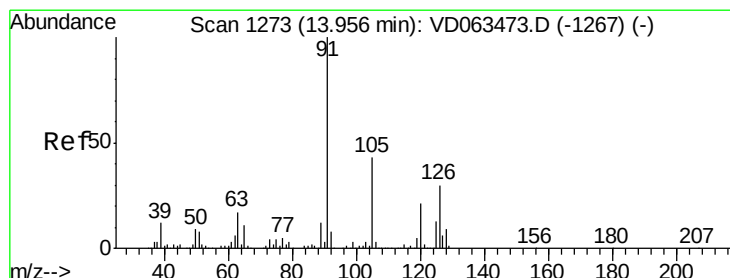
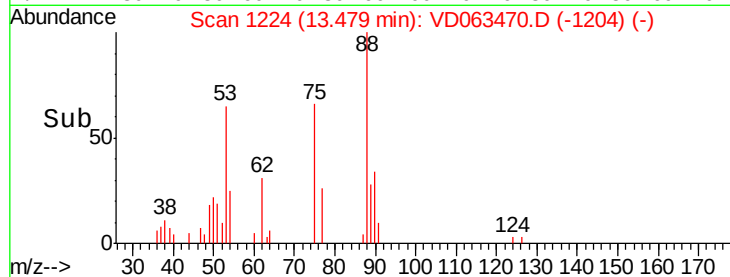
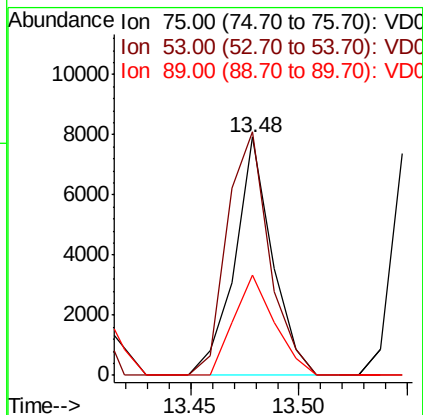
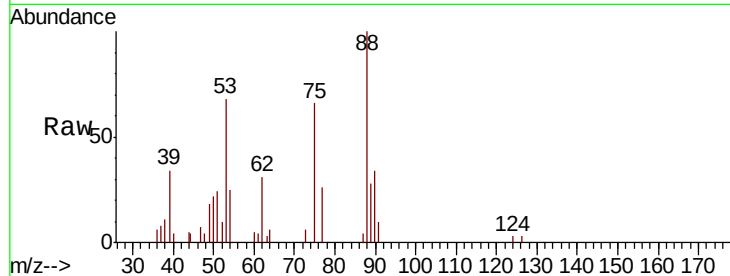
Tgt Ion: 75 Resp: 9604

Ion Ratio Lower Upper

75 100

53 102.2 101.0 151.4

89 42.3 37.0 55.6



#82

4-Chlorotoluene

Concen: 4.975 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063470.D

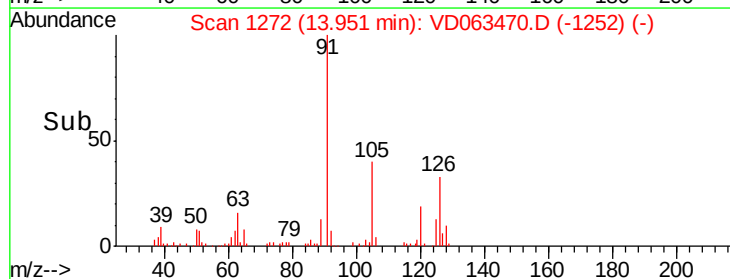
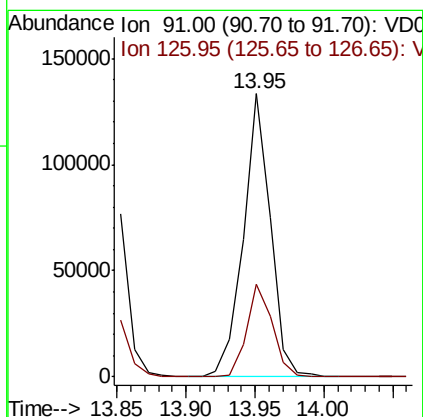
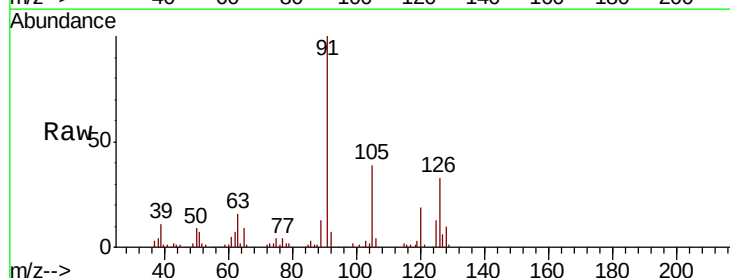
Acq: 9 Aug 2019 13:35

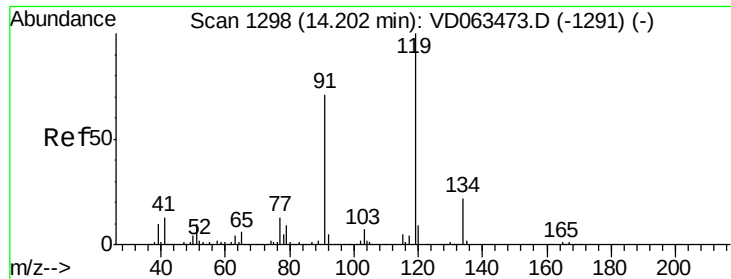
Tgt Ion: 91 Resp: 183584

Ion Ratio Lower Upper

91 100

126 32.7 15.2 45.6

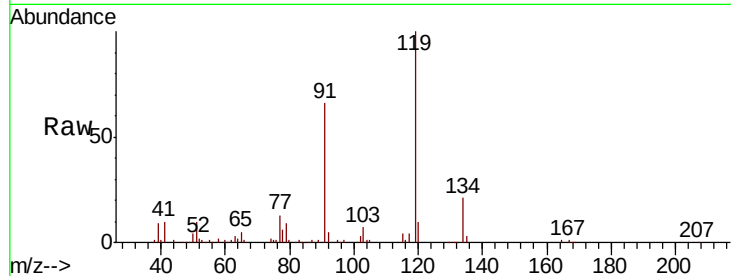




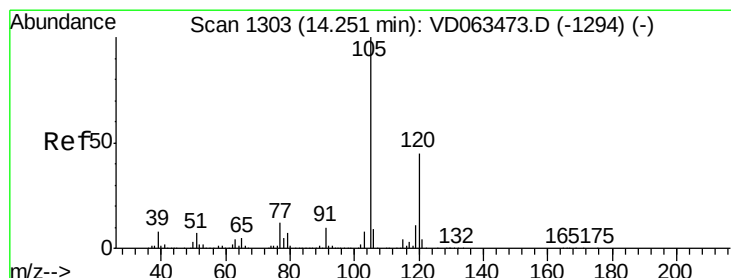
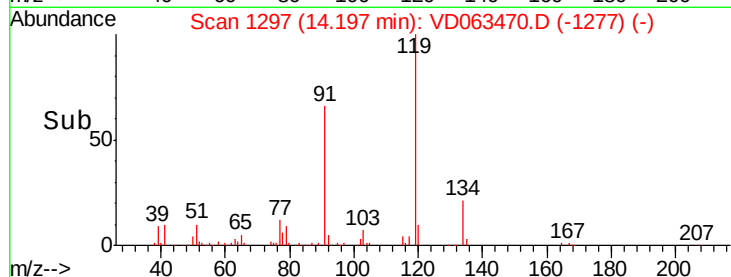
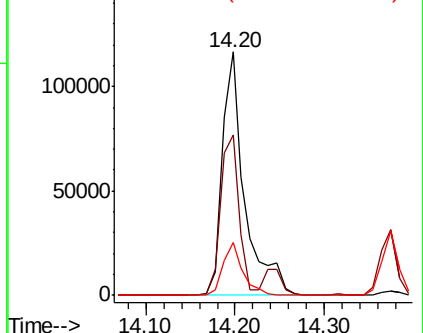
#83
 tert-Butylbenzene
 Concen: 4.918 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 205815
 Ion Ratio Lower Upper
 119 100
 91 65.9 35.5 106.7
 134 21.5 11.1 33.1

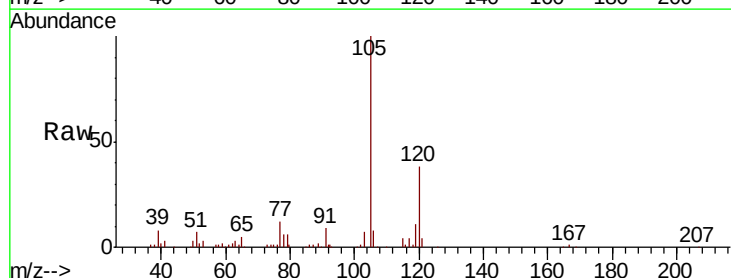


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

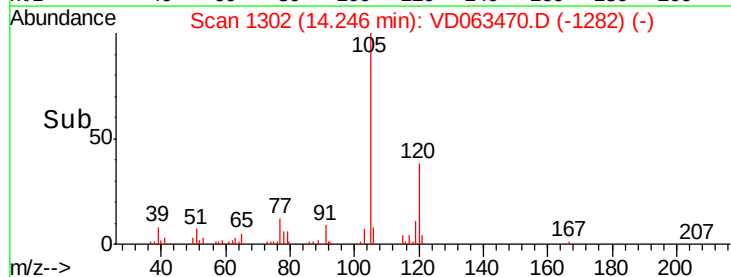
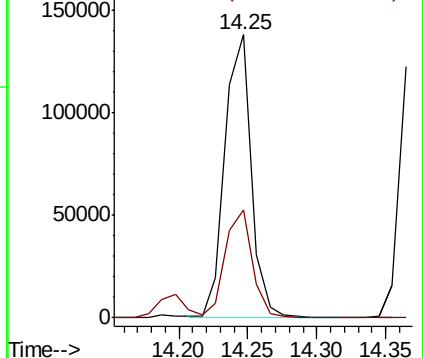


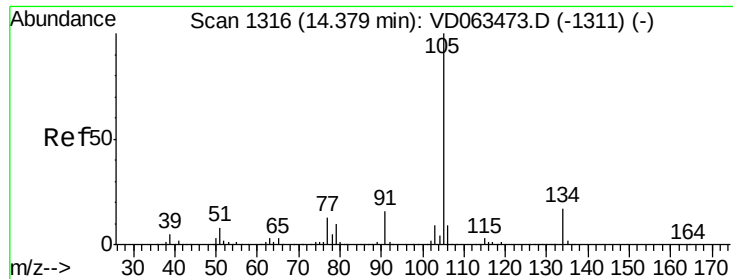
#84
 1,2,4-Trimethylbenzene
 Concen: 5.007 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion:105 Resp: 184118
 Ion Ratio Lower Upper
 105 100
 120 38.3 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

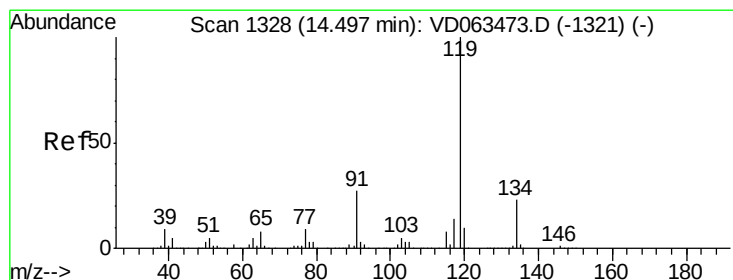
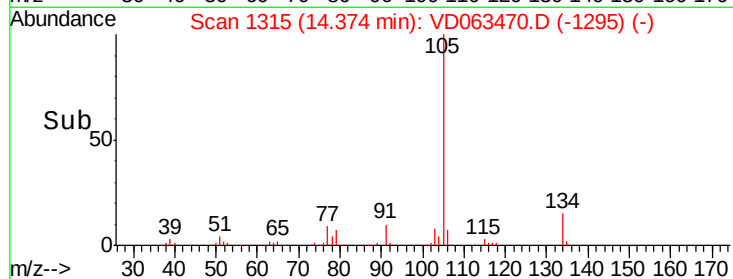
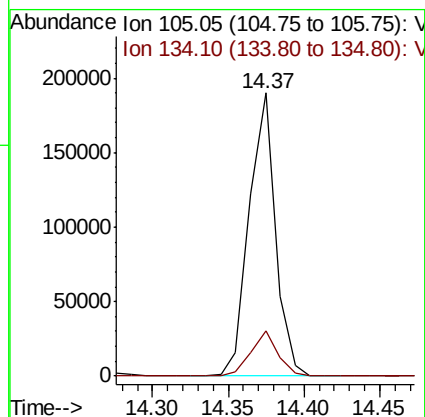
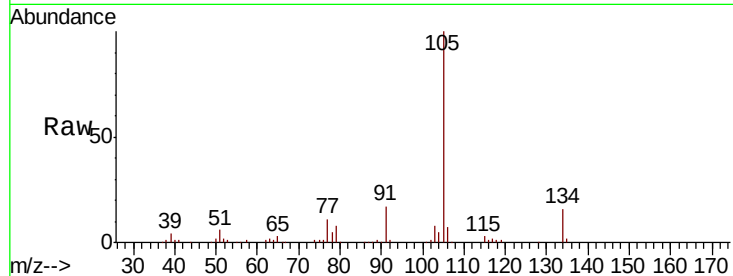




#85
 sec-Butylbenzene
 Concen: 5.201 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

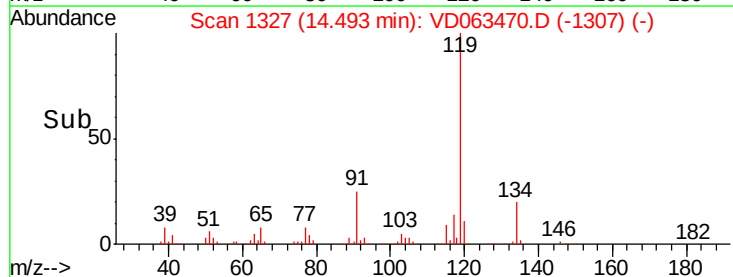
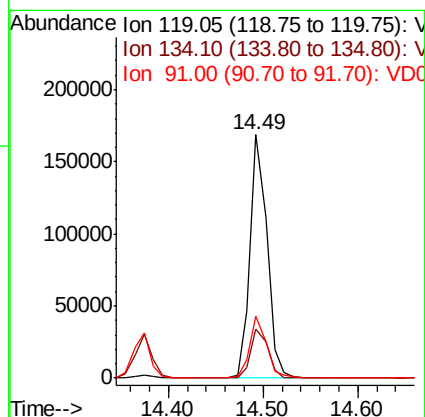
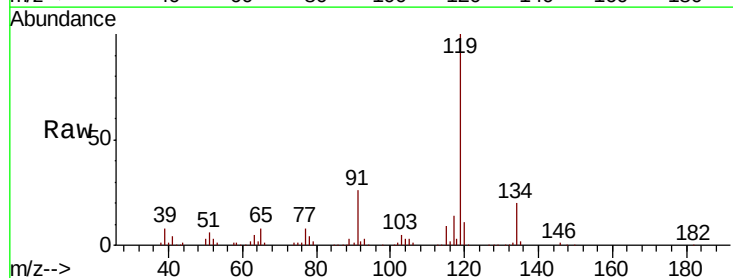
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

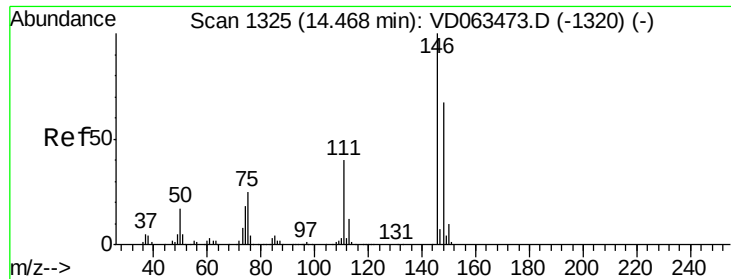
Tgt Ion:105 Resp: 231172
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 4.940 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion:119 Resp: 209942
 Ion Ratio Lower Upper
 119 100
 134 20.0 11.3 33.8
 91 25.6 13.5 40.4

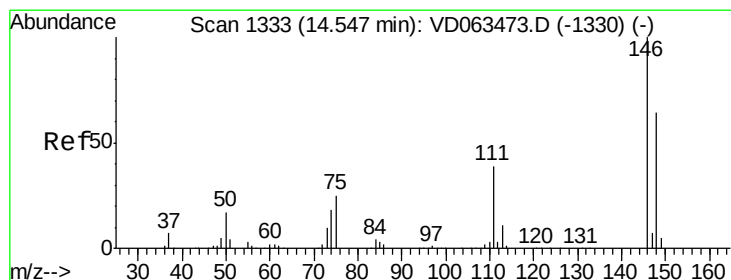
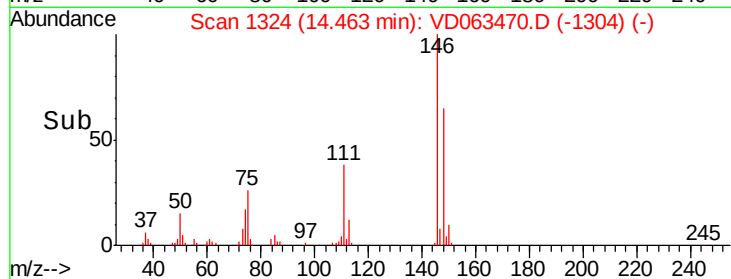
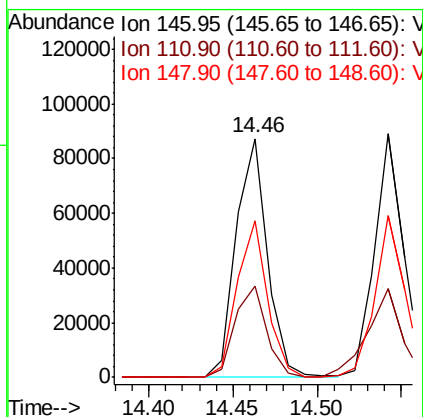
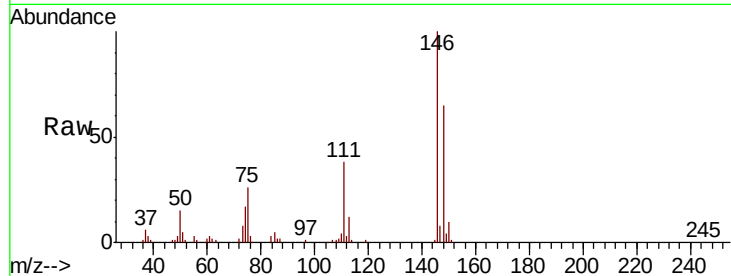




#87
 1,3-Dichlorobenzene
 Concen: 5.016 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

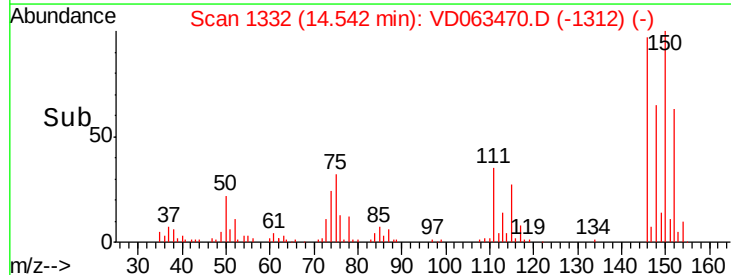
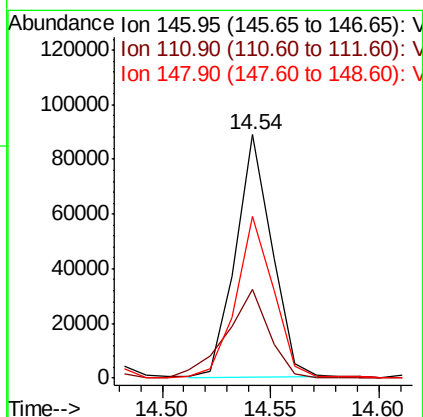
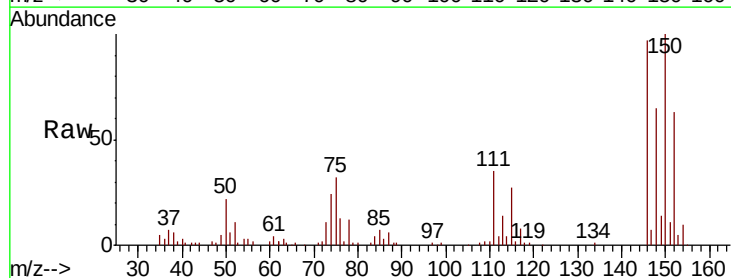
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

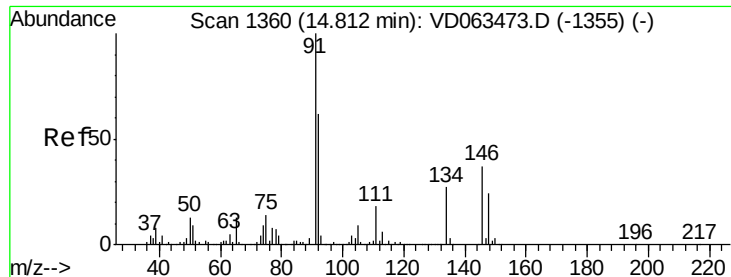
Tgt Ion:146 Resp: 112784
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.0 60.0
 148 65.4 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 4.839 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion:146 Resp: 104392
 Ion Ratio Lower Upper
 146 100
 111 36.3 19.7 59.0
 148 66.6 32.1 96.3





#89

n-Butylbenzene

Concen: 5.217 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD063470.D

Acq: 9 Aug 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

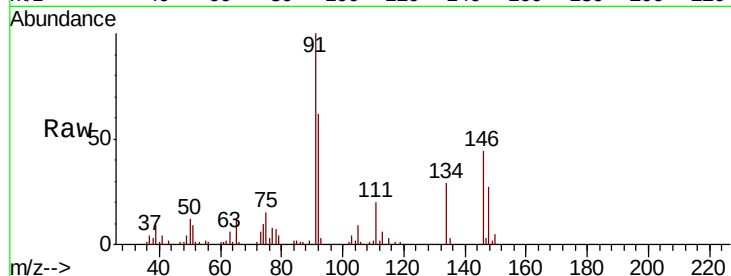
Tgt Ion: 91 Resp: 202331

Ion Ratio Lower Upper

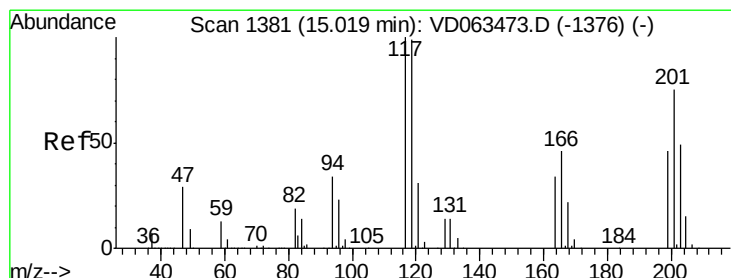
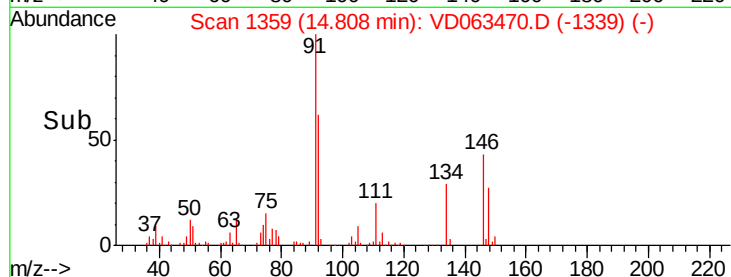
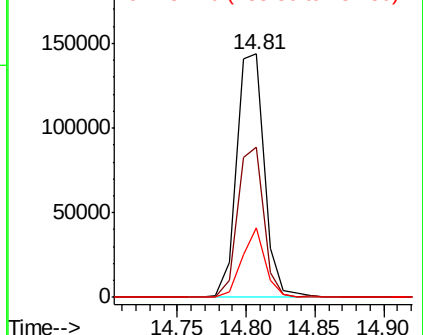
91 100

92 61.8 30.8 92.3

134 28.8 13.4 40.2



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: 4.776 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063470.D

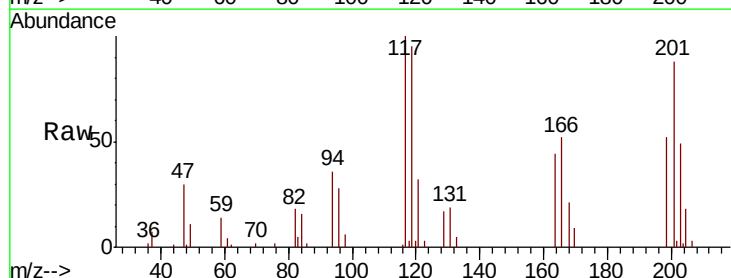
Acq: 9 Aug 2019 13:35

Tgt Ion: 117 Resp: 51015

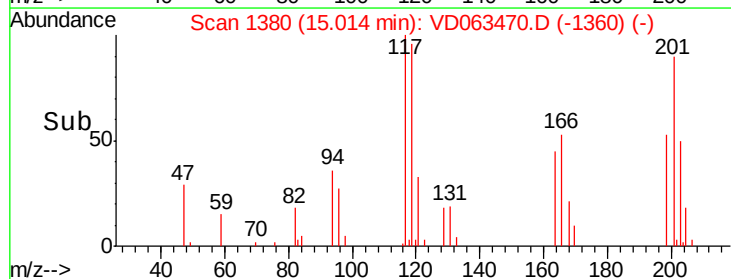
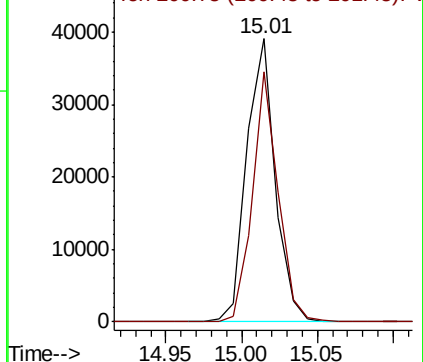
Ion Ratio Lower Upper

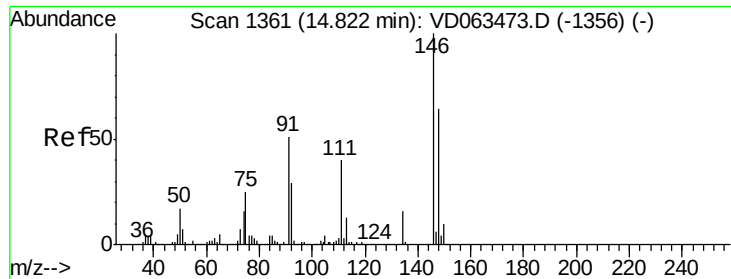
117 100

201 88.3 37.5 112.5



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

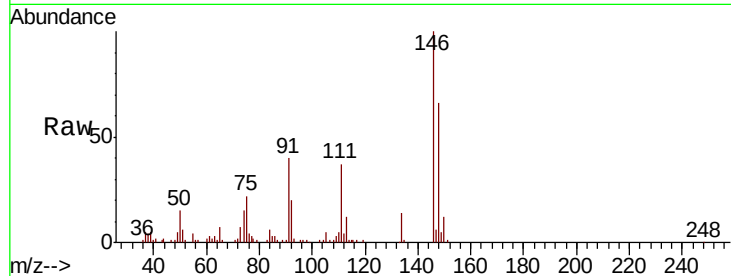




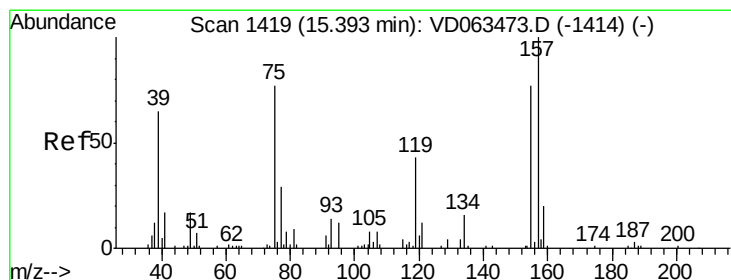
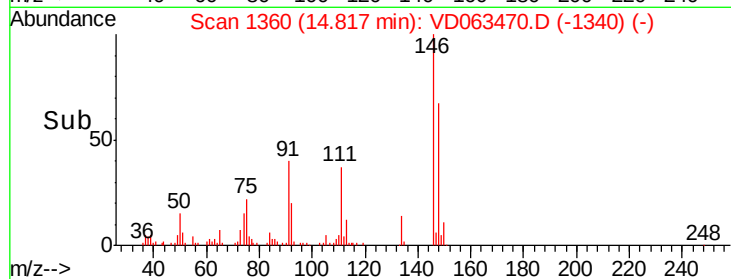
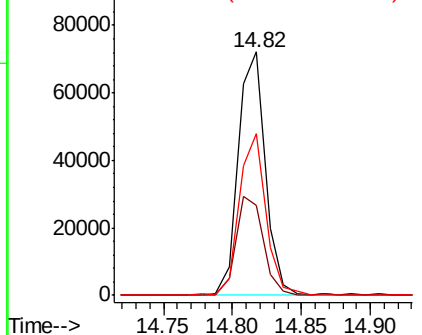
#91
 1,2-Dichlorobenzene
 Concen: 5.207 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:146 Resp: 99331
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.2 60.6
 148 66.2 32.1 96.5

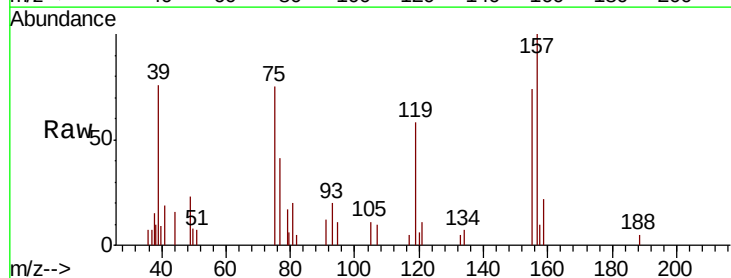


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

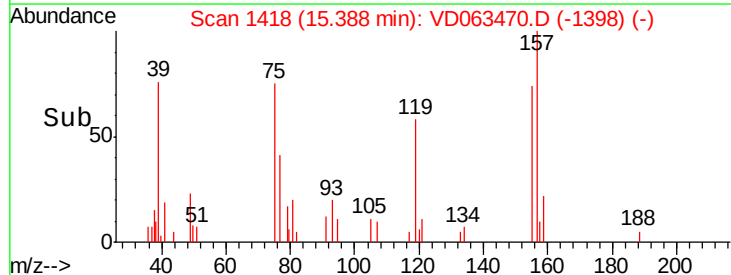
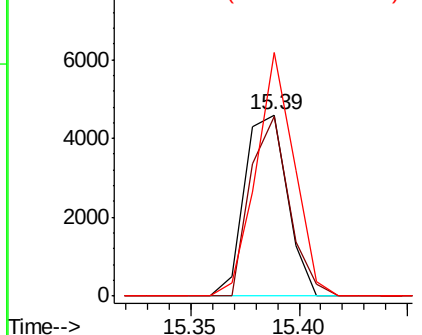


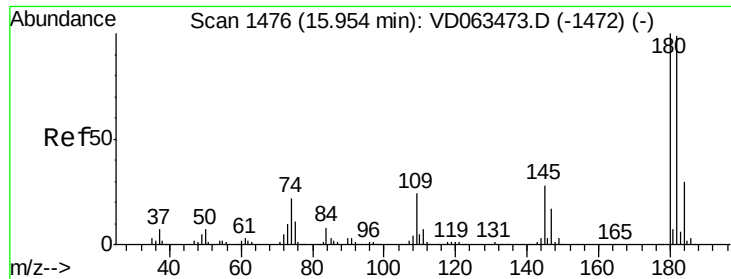
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.444 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion: 75 Resp: 6318
 Ion Ratio Lower Upper
 75 100
 155 99.3 50.1 150.3
 157 148.0 65.0 195.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

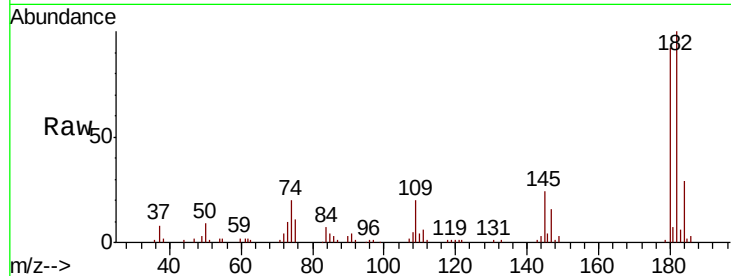




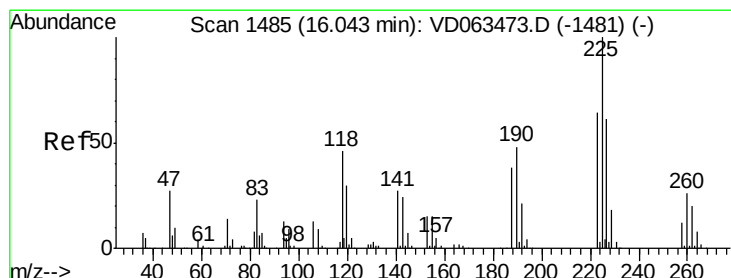
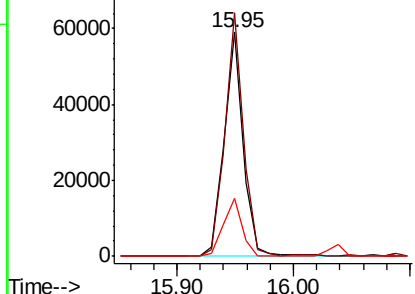
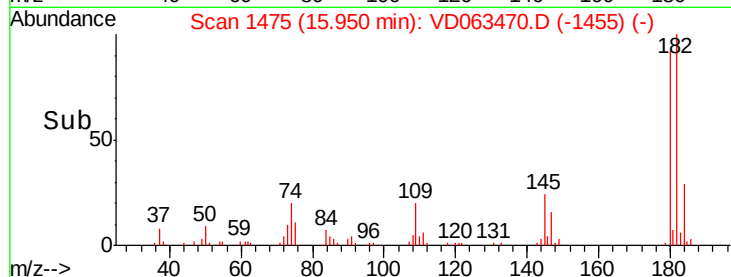
#93
 1,2,4-Trichlorobenzene
 Concen: 4.757 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 66771
 Ion Ratio Lower Upper
 180 100
 182 108.6 49.7 149.1
 145 25.7 14.1 42.2

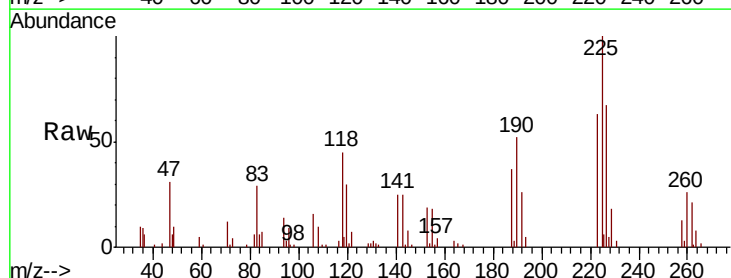


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

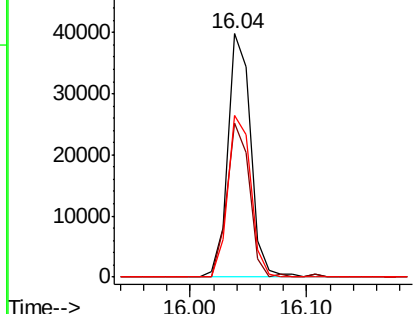
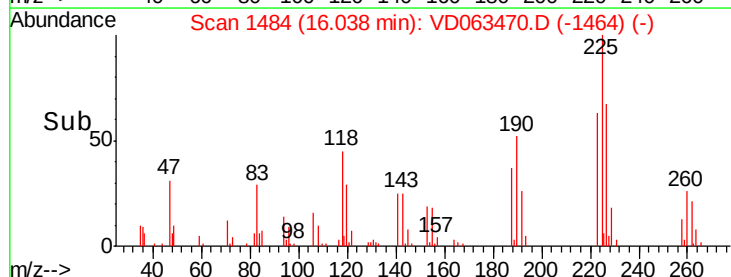


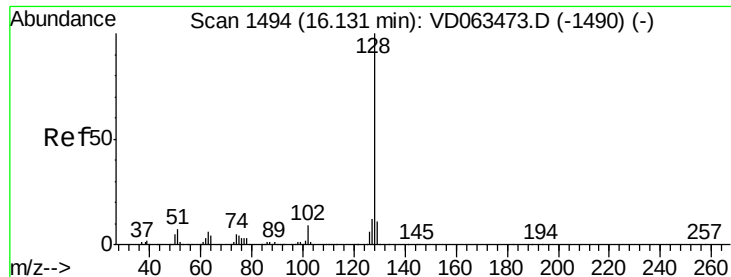
#94
 Hexachlorobutadiene
 Concen: 5.062 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063470.D
 Acq: 9 Aug 2019 13:35

Tgt Ion:225 Resp: 54155
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.5
 227 66.7 30.7 92.1



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

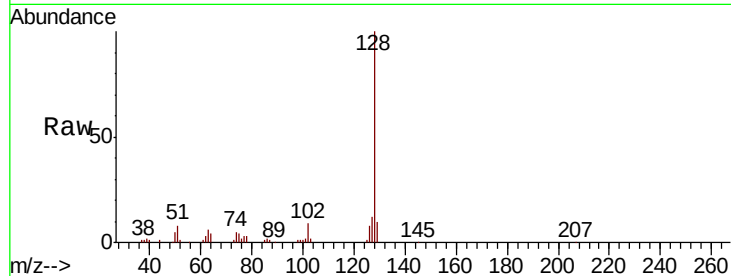




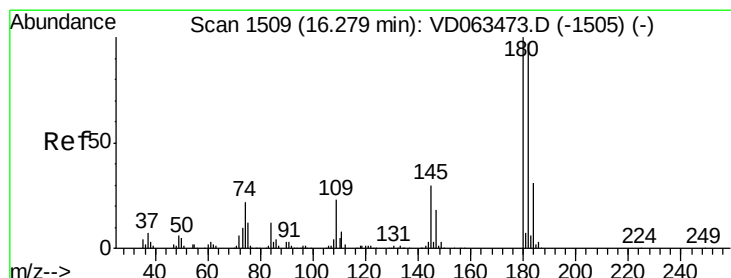
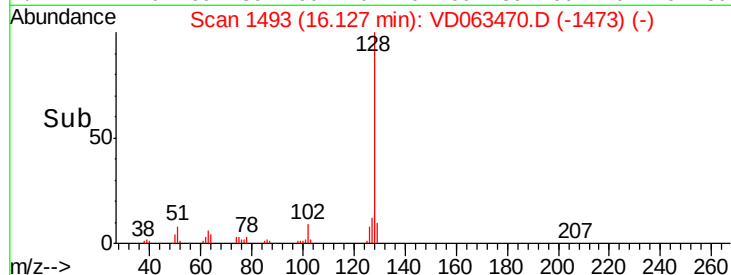
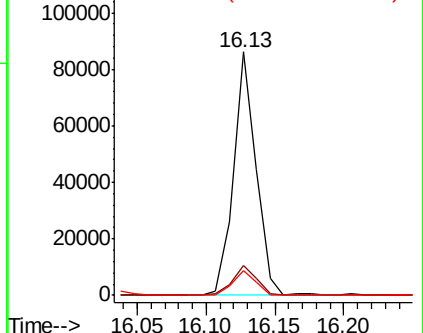
#95
Naphthalene
Concen: 4.584 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 97530
Ion Ratio Lower Upper
128 100
127 12.2 9.4 14.0
129 10.3 8.5 12.7

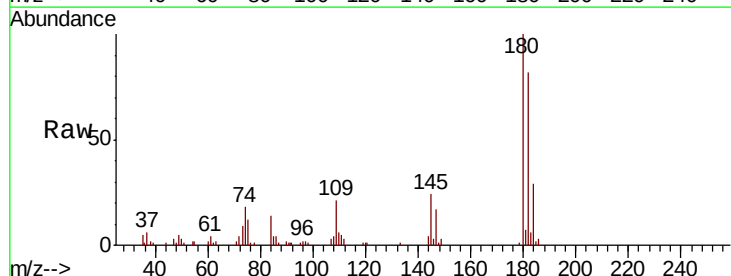


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.655 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063470.D
Acq: 9 Aug 2019 13:35

Tgt Ion:180 Resp: 52777
Ion Ratio Lower Upper
180 100
182 81.8 48.4 145.2
145 24.5 14.9 44.9



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

