

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063199.D
 Acq On : 29 Jul 2019 15:18
 Operator : VA/AP
 Sample : VD0729SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Quant Time: Jul 30 03:16:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	963009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1331334	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1117474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	600529	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	581813	54.45	ug/l	0.00
Spiked Amount			Recovery	=	108.90%	
35) Dibromofluoromethane	6.92	113	647746	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	
50) Toluene-d8	10.40	98	1483724	58.33	ug/l	0.00
Spiked Amount			Recovery	=	116.66%	
62) 4-Bromofluorobenzene	13.55	95	643861	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	255126	21.673	ug/l	97
3) Chloromethane	1.74	50	201973	22.084	ug/l	100
4) Vinyl Chloride	1.84	62	205139	21.667	ug/l	97
5) Bromomethane	2.13	94	90530	18.959	ug/l	96
6) Chloroethane	2.24	64	98300	22.488	ug/l	98
7) Trichlorofluoromethane	2.52	101	383275	20.867	ug/l	98
8) Diethyl Ether	2.86	74	50751	19.743	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	206214	20.268	ug/l	92
10) Methyl Iodide	3.29	142	280182	19.062	ug/l	95
11) Tert butyl alcohol	4.08	59	44131	94.110	ug/l #	87
12) 1,1-Dichloroethene	3.11	96	152864	20.465	ug/l	91
13) Acrolein	3.02	56	55138	122.175	ug/l	86
14) Allyl chloride	3.60	41	263969	22.184	ug/l	94
15) Acrylonitrile	4.18	53	128876	106.006	ug/l	90
16) Acetone	3.22	43	222891	107.059	ug/l	100
17) Carbon Disulfide	3.35	76	541305	21.651	ug/l	98
18) Methyl Acetate	3.63	43	88515	22.134	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	355089	21.045	ug/l	100
20) Methylene Chloride	3.80	84	179161	21.289	ug/l #	94
21) trans-1,2-Dichloroethene	4.20	96	189956	22.665	ug/l	85
22) Diisopropyl ether	5.11	45	512414	21.554	ug/l #	93
23) Vinyl Acetate	5.05	43	1592757	108.993	ug/l	99
24) 1,1-Dichloroethane	4.97	63	323586	21.309	ug/l	99
25) 2-Butanone	6.06	43	229997	110.077	ug/l #	91
26) 2,2-Dichloropropane	6.00	77	336620	21.511	ug/l	93
27) cis-1,2-Dichloroethene	6.02	96	193567	21.542	ug/l	95
28) Bromochloromethane	6.43	49	123812	20.464	ug/l #	95
29) Tetrahydrofuran	6.45	42	101897	103.006	ug/l	97
30) Chloroform	6.65	83	396728	21.052	ug/l	99
31) Cyclohexane	6.95	56	200316	21.046	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	387454	21.256	ug/l	95
36) 1,1-Dichloropropene	7.13	75	272854	22.457	ug/l	97
37) Ethyl Acetate	6.18	43	113898	20.866	ug/l #	95
38) Carbon Tetrachloride	7.09	117	384540	21.023	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	217062	21.442	ug/l	98
40) Benzene	7.45	78	532802	20.923	ug/l	96
41) Methacrylonitrile	6.44	41	143180	21.928	ug/l #	78
42) 1,2-Dichloroethane	7.57	62	292775	21.694	ug/l	98
43) Isopropyl Acetate	9.23	43	146384	20.994	ug/l #	95
44) Trichloroethene	8.53	130	217164	21.046	ug/l	96
45) 1,2-Dichloropropane	8.93	63	134308	20.751	ug/l	97
46) Dibromomethane	9.05	93	116389	21.627	ug/l	92
47) Bromodichloromethane	9.37	83	287635	20.967	ug/l	97
48) Methyl methacrylate	9.11	41	107575	23.788	ug/l	93
49) 1,4-Dioxane	9.07	88	15818	410.484	ug/l #	80
51) 4-Methyl-2-Pentanone	10.29	43	502809	106.032	ug/l	100
52) Toluene	10.50	92	378871	22.370	ug/l	94
53) t-1,3-Dichloropropene	10.90	75	250920	21.216	ug/l	91
54) cis-1,3-Dichloropropene	10.04	75	266490	21.439	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	126090	22.044	ug/l	94
56) Ethyl methacrylate	11.04	69	142443	22.742	ug/l	92
57) 1,3-Dichloropropane	11.40	76	190514	21.139	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	348174	106.829	ug/l	100
59) 2-Hexanone	11.52	43	364340	106.616	ug/l	95
60) Dibromochloromethane	11.68	129	232435	21.525	ug/l	98
61) 1,2-Dibromoethane	11.80	107	150854	21.373	ug/l	93
64) Tetrachloroethene	11.25	164	194770	21.878	ug/l	94
65) Chlorobenzene	12.39	112	470979	21.912	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	208498	22.022	ug/l	97
67) Ethyl Benzene	12.52	91	816622	22.365	ug/l	98
68) m/p-Xylenes	12.67	106	579993	43.313	ug/l	93
69) o-Xylene	13.05	106	282338	22.960	ug/l	81
70) Styrene	13.07	104	483257	22.160	ug/l	98
71) Bromoform	13.23	173	136901	19.883	ug/l #	99
73) Isopropylbenzene	13.40	105	810481	21.503	ug/l	99
74) N-amyl acetate	13.27	43	212438	21.321	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	143857	22.469	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	158020	21.907	ug/l	95
77) Bromobenzene	13.67	156	231620	21.572	ug/l	84
78) n-propylbenzene	13.77	91	950467	21.191	ug/l	100
79) 2-Chlorotoluene	13.84	91	515343	19.829	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	740160	22.768	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	44150	22.043	ug/l	89
82) 4-Chlorotoluene	13.95	91	681899	22.294	ug/l	99
83) tert-Butylbenzene	14.18	119	804343	21.670	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	718098	21.356	ug/l	99
85) sec-Butylbenzene	14.37	105	861871	22.039	ug/l	95
86) p-Isopropyltoluene	14.49	119	824533	22.090	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	400693	21.073	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	407702	21.204	ug/l	99
89) n-Butylbenzene	14.79	91	699883	21.710	ug/l	98
90) Hexachloroethane	15.01	117	200593	20.627	ug/l	83
91) 1,2-Dichlorobenzene	14.80	146	340870	20.575	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25220	19.339	ug/l	91

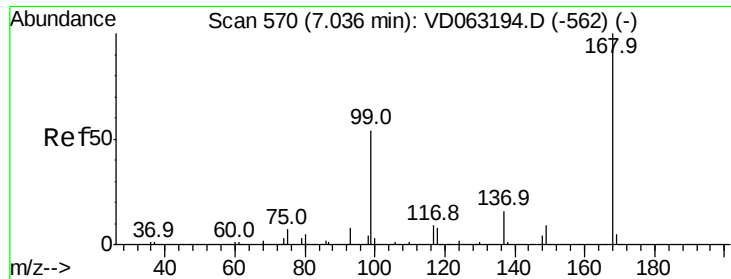
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Quant Time: Jul 30 03:16:03 2019
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	279698	21.282	ug/l	97
94) Hexachlorobutadiene	16.03	225	198491	20.841	ug/l	98
95) Naphthalene	16.12	128	379104	20.408	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	216868	20.888	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

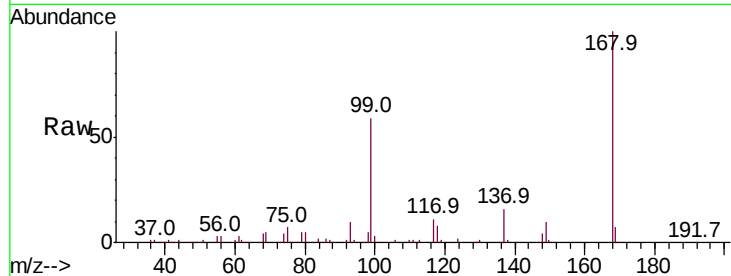
VD0729SBS01

Tot Ion:168 Resp: 963009

Ion Ratio Lower Upper

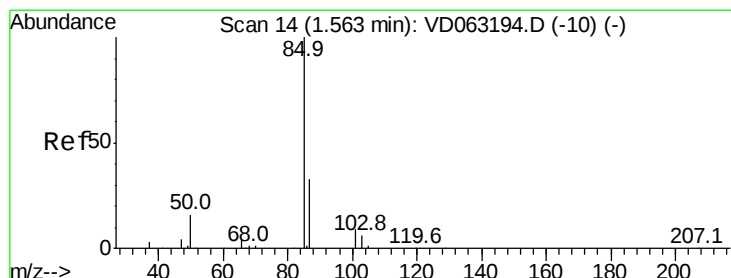
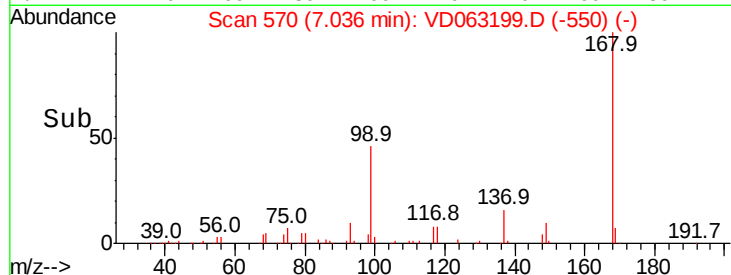
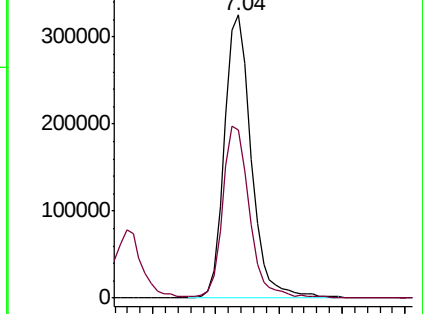
168 100

99 59.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.673 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063199.D

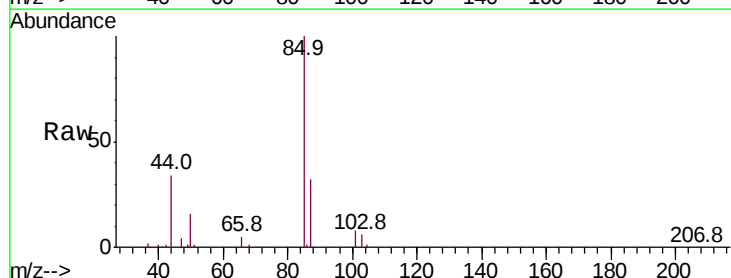
Acq: 29 Jul 2019 15:18

Tgt Ion: 85 Resp: 255126

Ion Ratio Lower Upper

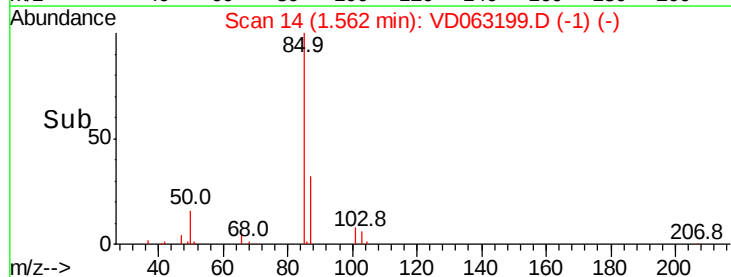
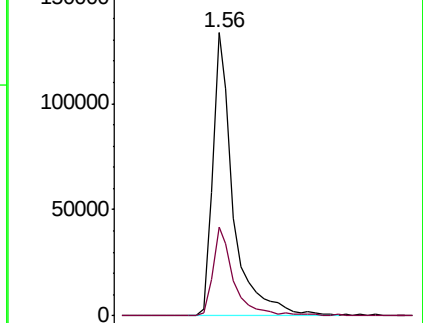
85 100

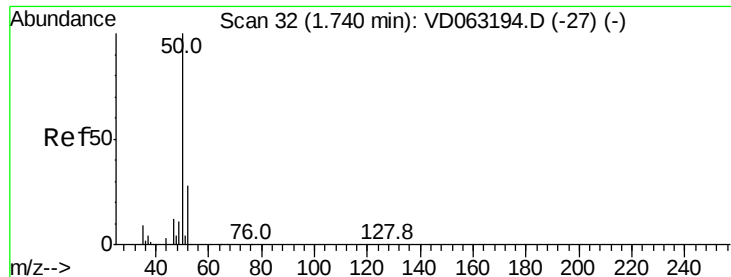
87 31.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.084 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

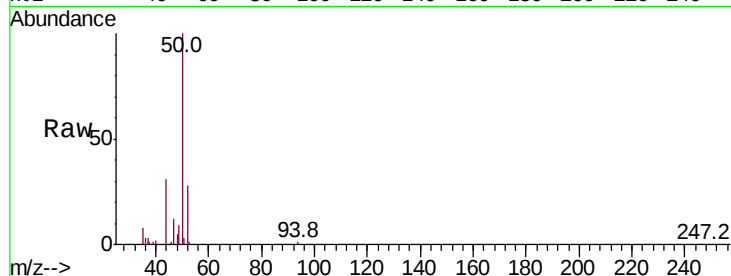
VD0729SBS01

Tot Ion: 50 Resp: 201973

Ion Ratio Lower Upper

50 100

52 28.5 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

80000

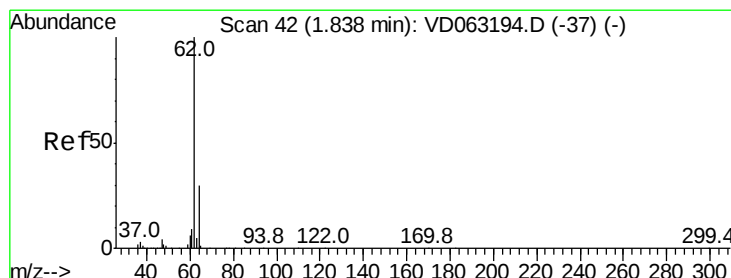
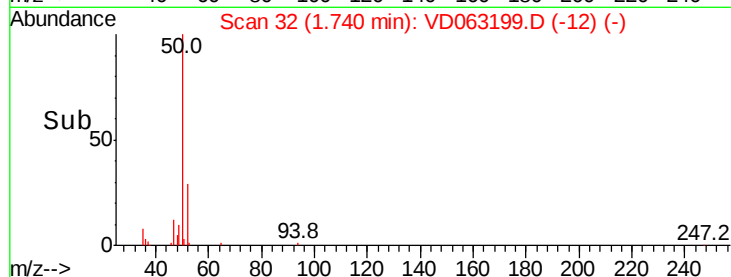
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 21.667 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063199.D

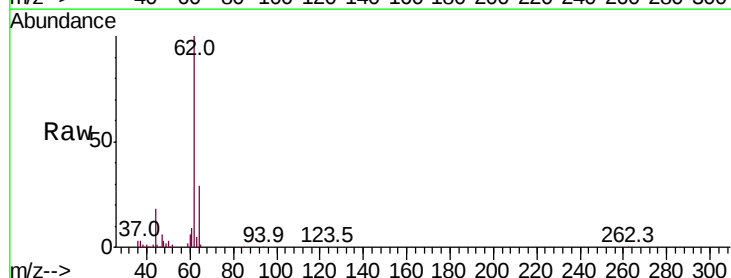
Acq: 29 Jul 2019 15:18

Tgt Ion: 62 Resp: 205139

Ion Ratio Lower Upper

62 100

64 28.6 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

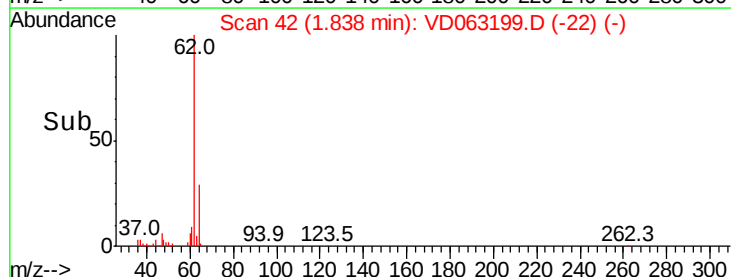
Ion 63.95 (63.65 to 64.65): VDC

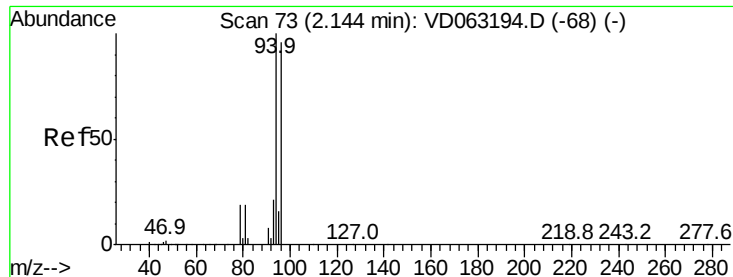
100000

50000

0

Time--> 1.80 1.90 2.00





#5

Bromomethane

Concen: 18.959 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

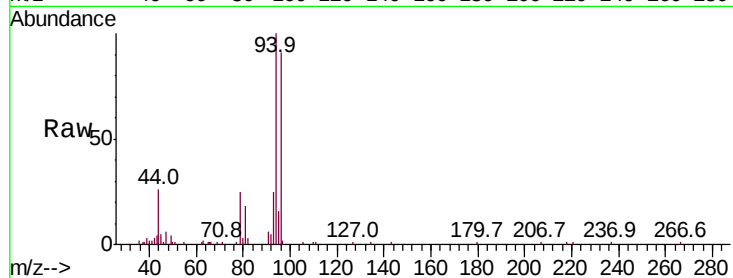
Tot Ion: 94 Resp: 90530

Ion Ratio Lower Upper

94 100

96 92.6 76.4 114.6

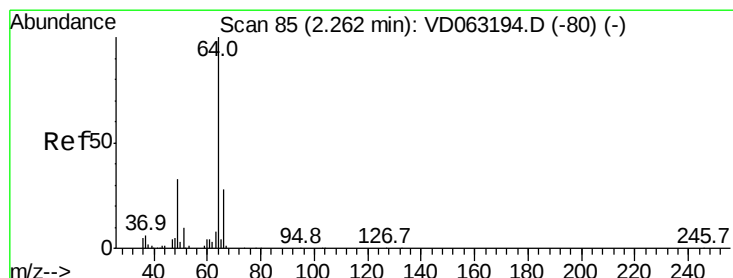
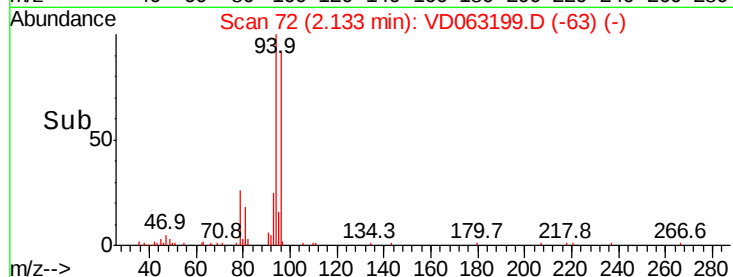
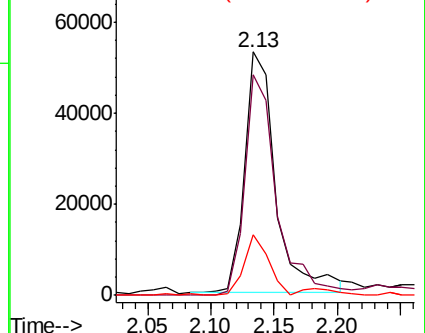
93 25.1 17.3 25.9



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: 22.488 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063199.D

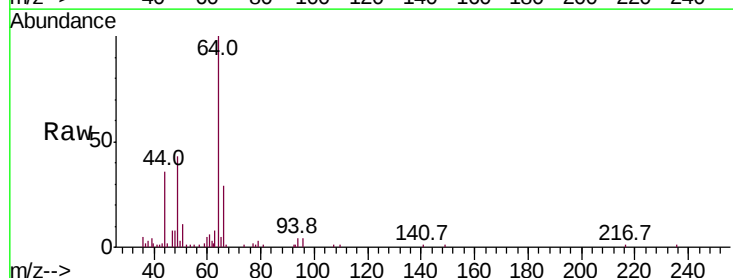
Acq: 29 Jul 2019 15:18

Tgt Ion: 64 Resp: 98300

Ion Ratio Lower Upper

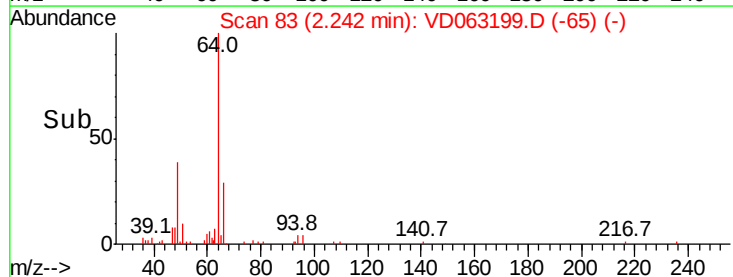
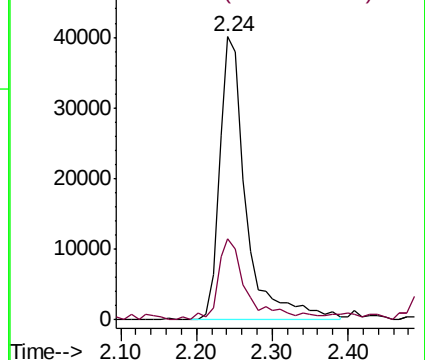
64 100

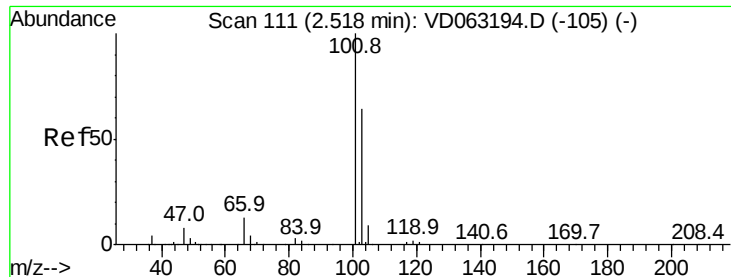
66 28.9 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



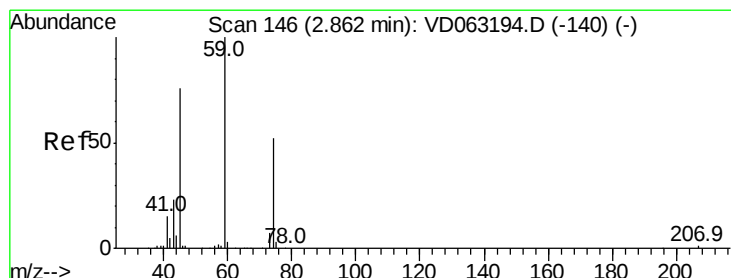
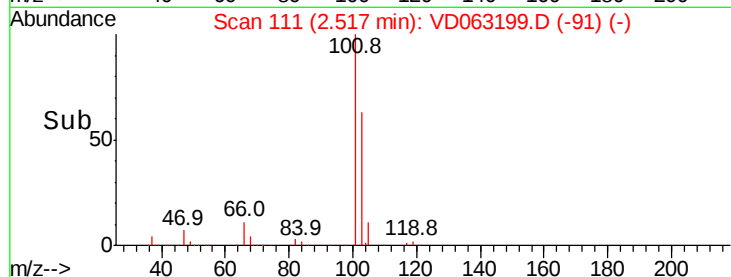
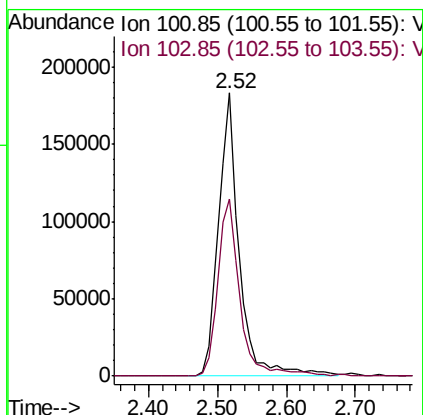
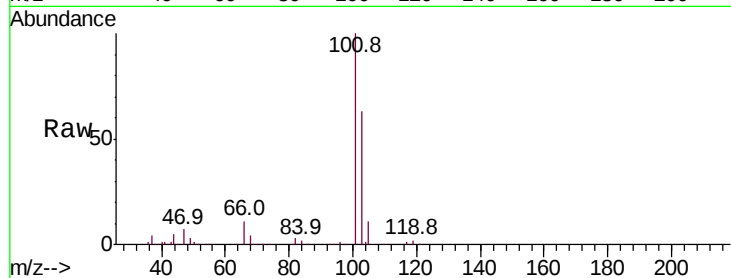


#7

Trichlorofluoromethane
Concen: 20.867 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Instrument :
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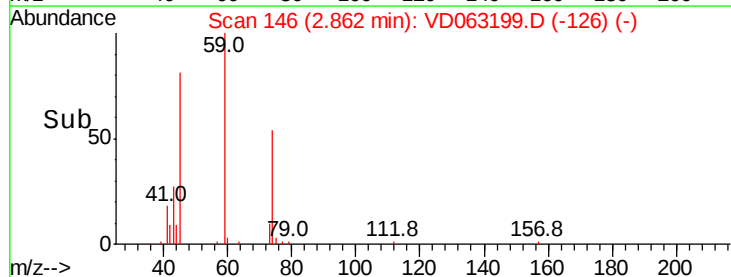
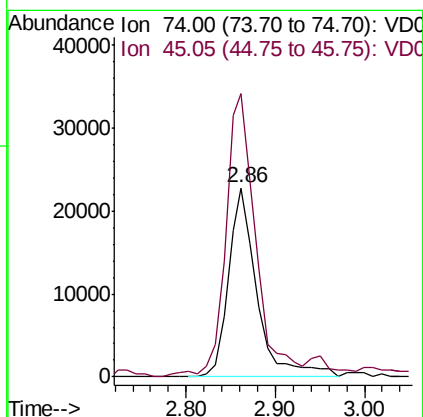
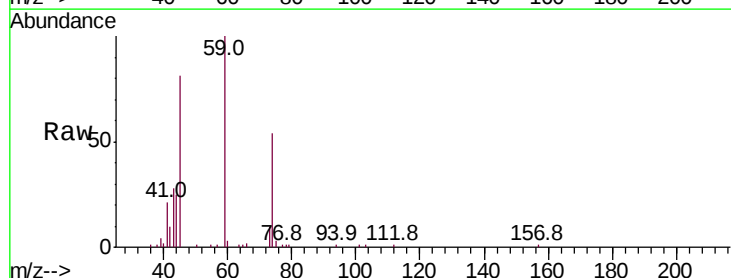
Tot Ion:101 Resp: 383275
Ion Ratio Lower Upper
101 100
103 62.5 51.5 77.3

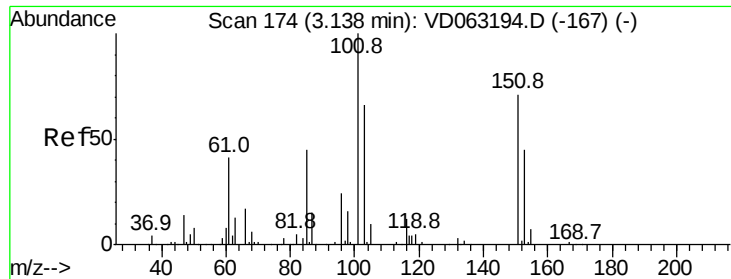


#8

Diethyl Ether
Concen: 19.743 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion: 74 Resp: 50751
Ion Ratio Lower Upper
74 100
45 149.8 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.268 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

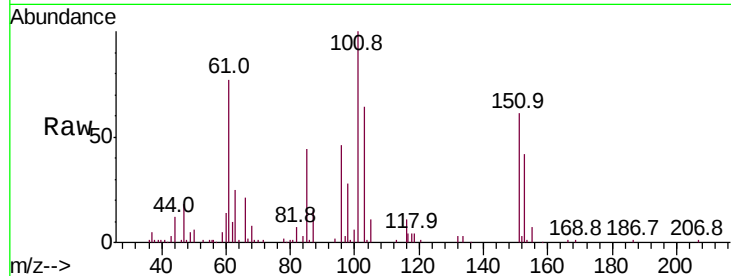
Tot Ion:101 Resp: 206214

Ion Ratio Lower Upper

101 100

85 43.6 36.1 54.1

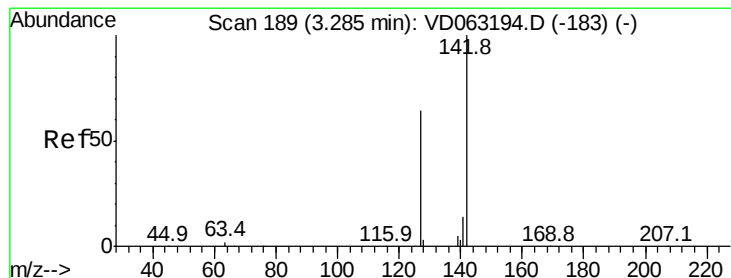
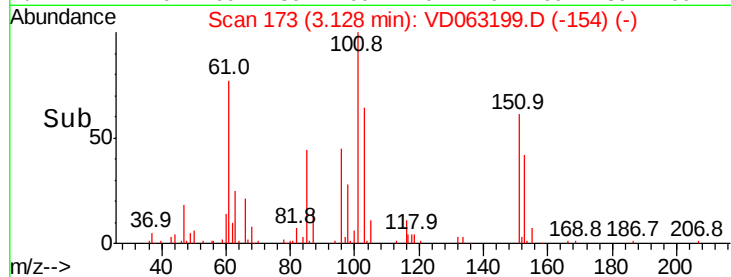
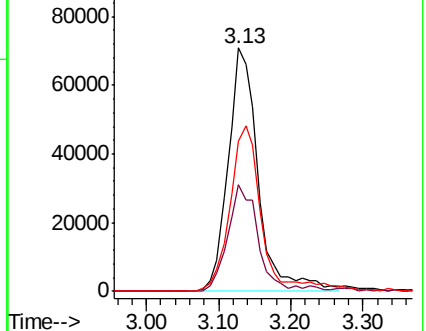
151 61.5 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.062 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

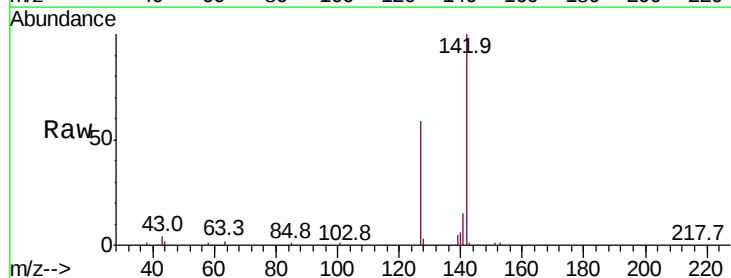
Tgt Ion:142 Resp: 280182

Ion Ratio Lower Upper

142 100

127 59.0 50.8 76.2

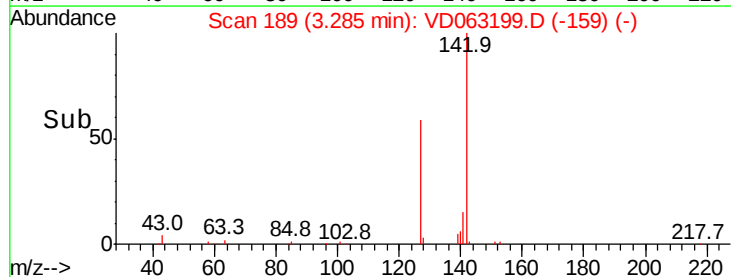
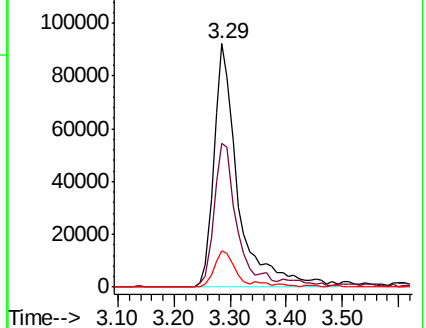
141 14.9 11.4 17.2

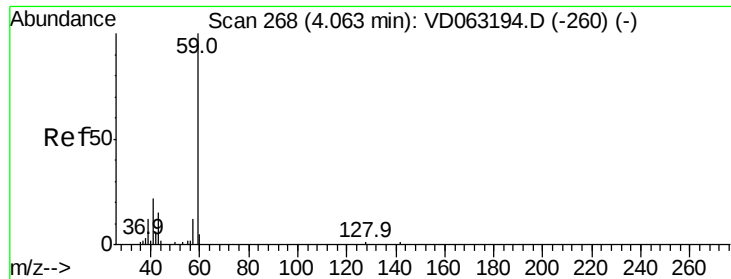


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

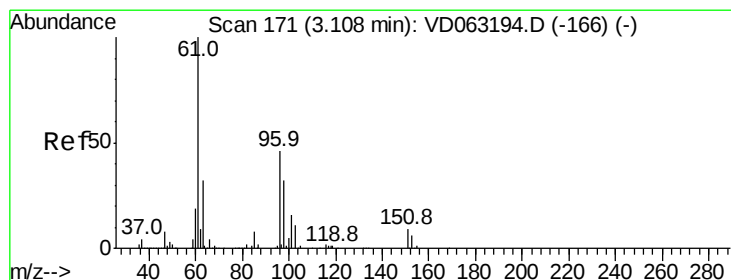
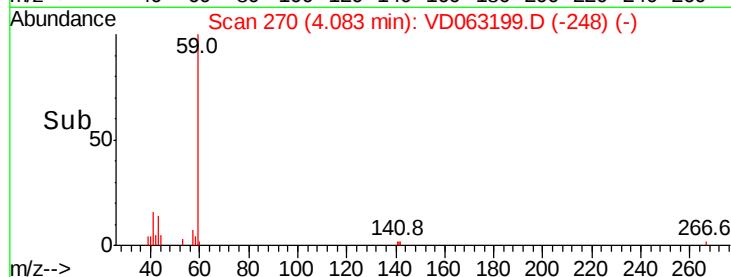
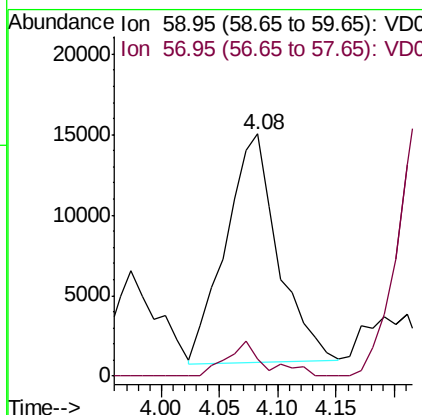
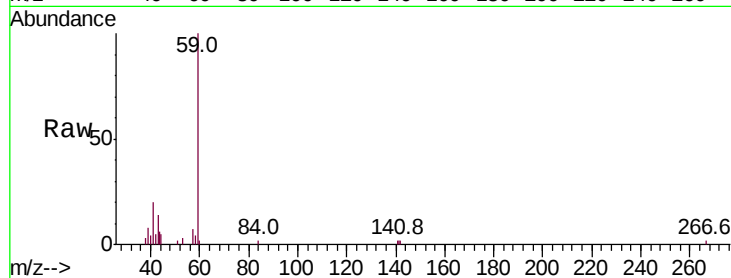




#11
Tert butyl alcohol
Concen: 94.110 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

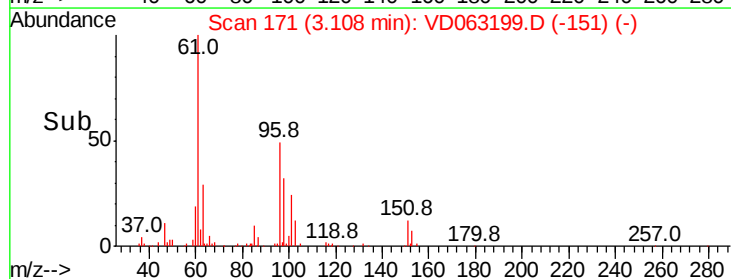
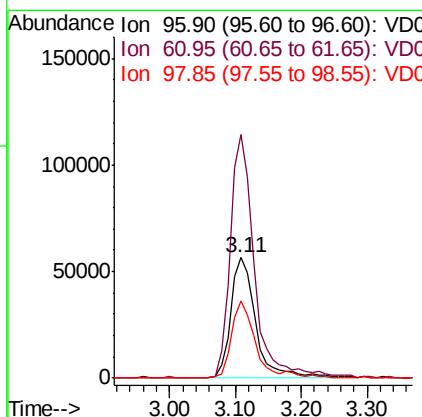
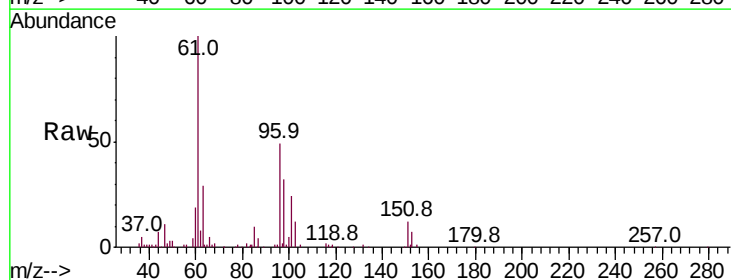
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

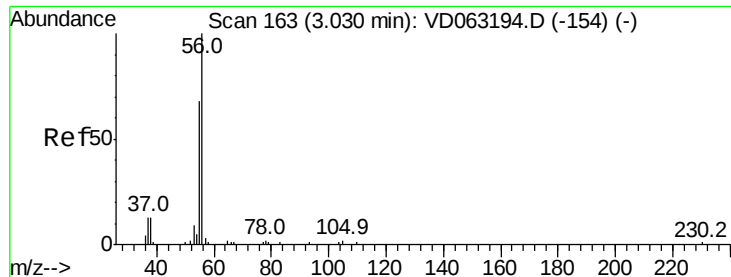
Tot Ion: 59 Resp: 44131
Ion Ratio Lower Upper
59 100
57 6.9 9.6 14.4#



#12
1,1-Dichloroethene
Concen: 20.465 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion: 96 Resp: 152864
Ion Ratio Lower Upper
96 100
61 202.1 173.7 260.5
98 64.3 55.8 83.8





#13

Acrolein

Concen: 122.175 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

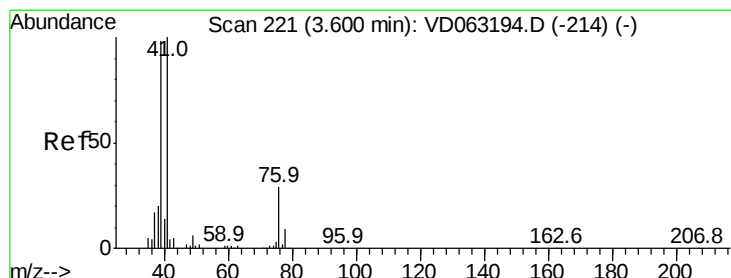
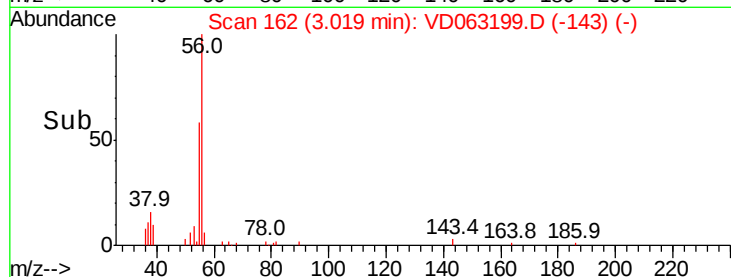
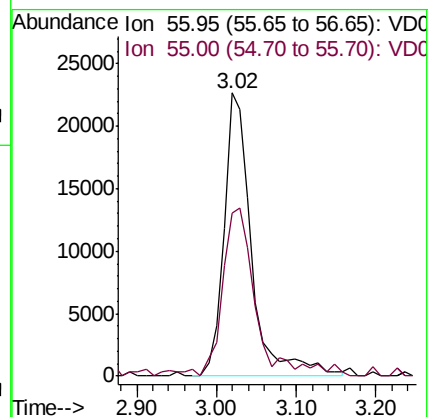
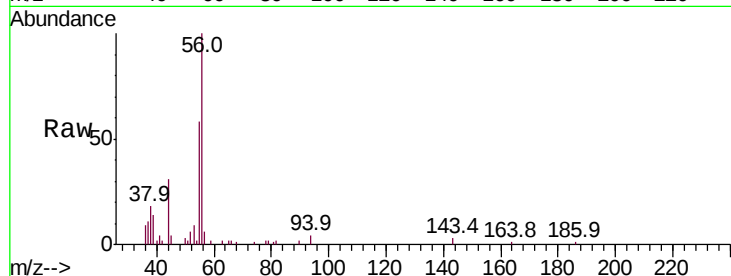
VD0729SBS01

Tot Ion: 56 Resp: 55138

Ion Ratio Lower Upper

56 100

55 57.6 55.3 82.9



#14

Allyl chloride

Concen: 22.184 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

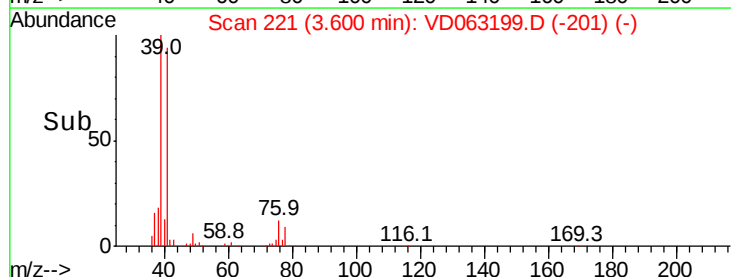
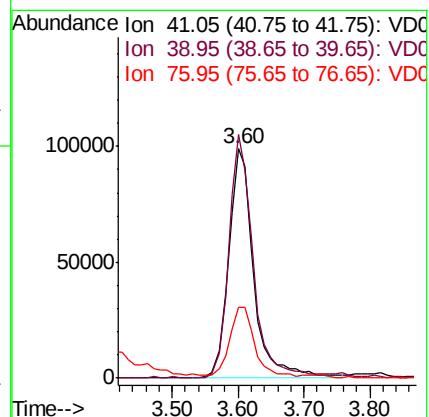
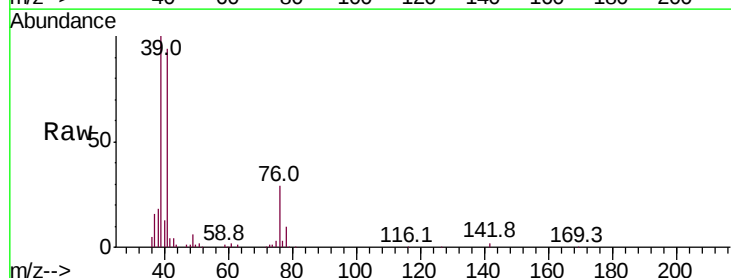
Tgt Ion: 41 Resp: 263969

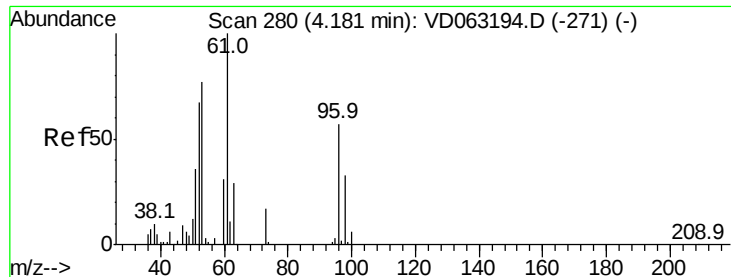
Ion Ratio Lower Upper

41 100

39 106.2 78.6 117.8

76 31.2 24.5 36.7





#15

Acrylonitrile

Concen: 106.006 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

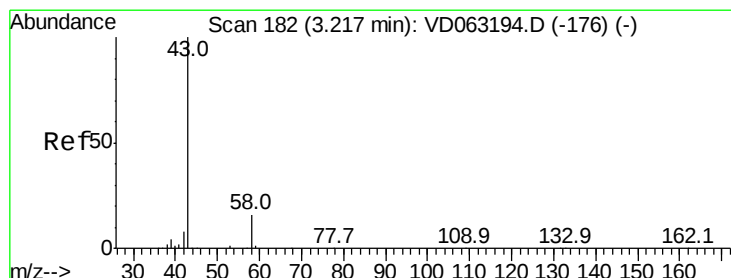
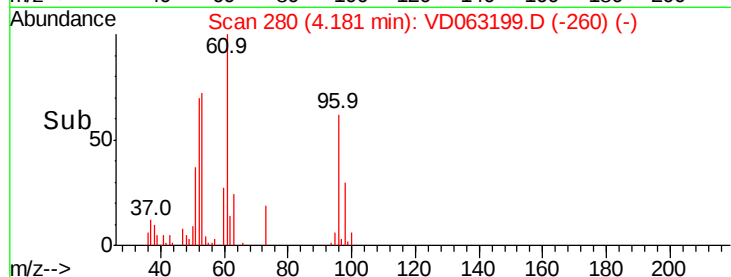
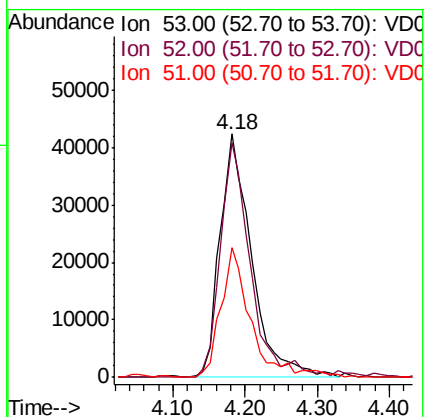
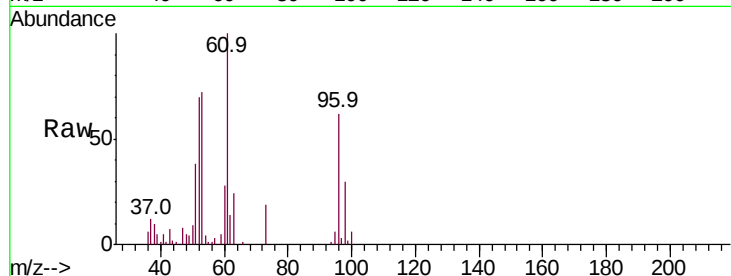
Tot Ion: 53 Resp: 128876

Ion Ratio Lower Upper

53 100

52 96.4 69.7 104.5

51 53.1 37.4 56.0



#16

Acetone

Concen: 107.059 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063199.D

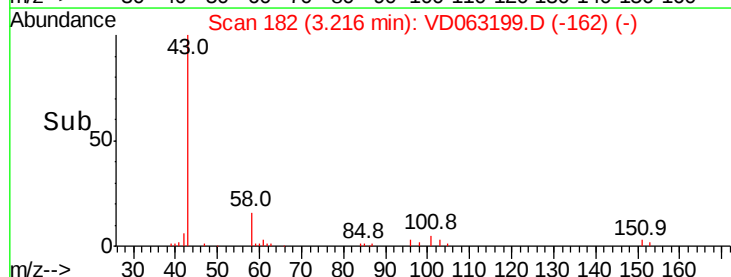
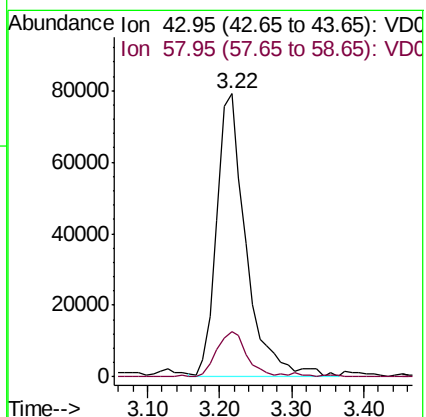
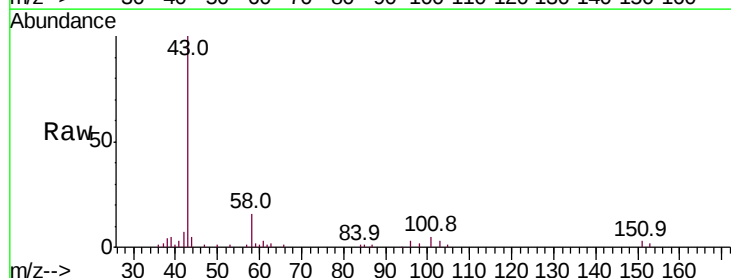
Acq: 29 Jul 2019 15:18

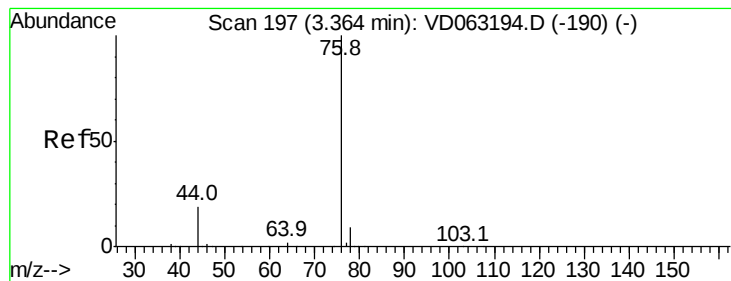
Tgt Ion: 43 Resp: 222891

Ion Ratio Lower Upper

43 100

58 16.0 13.0 19.4





#17

Carbon Disulfide

Concen: 21.651 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

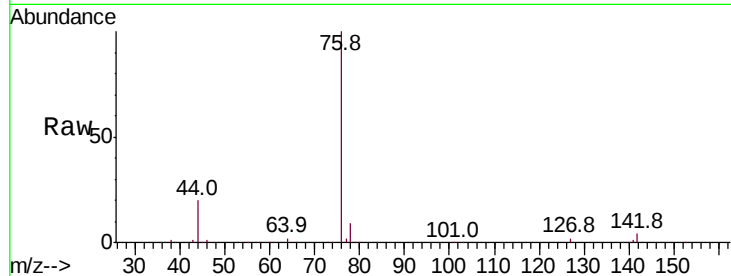
VD0729SBS01

Tot Ion: 76 Resp: 541305

Ion Ratio Lower Upper

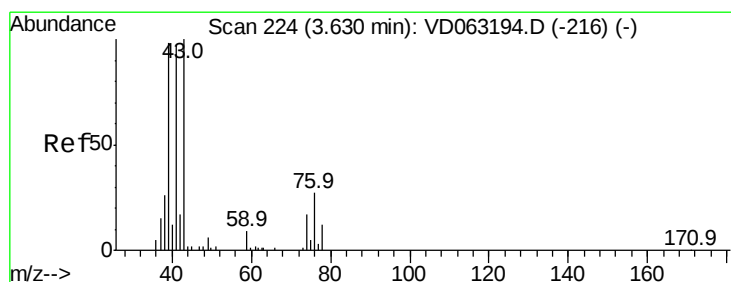
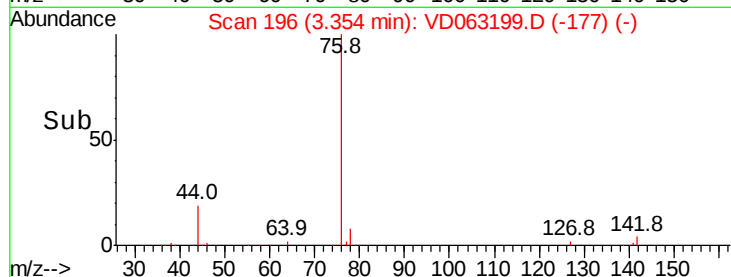
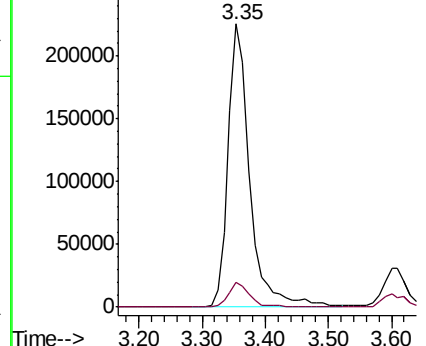
76 100

78 8.7 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 22.134 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063199.D

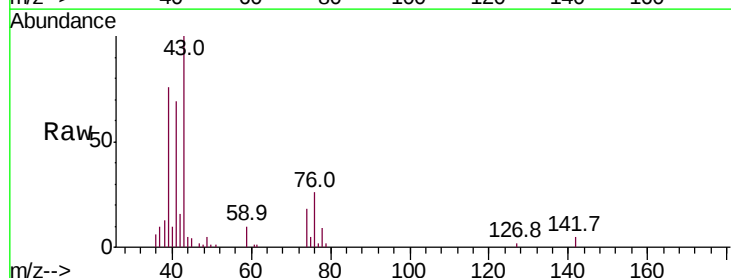
Acq: 29 Jul 2019 15:18

Tgt Ion: 43 Resp: 88515

Ion Ratio Lower Upper

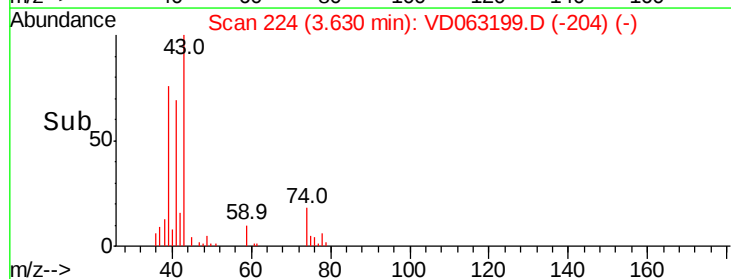
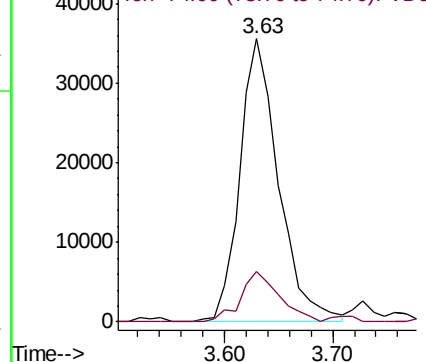
43 100

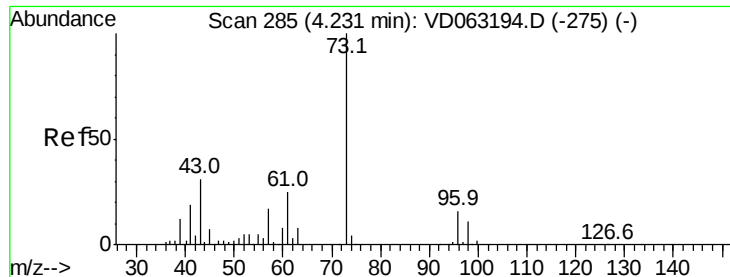
74 17.7 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



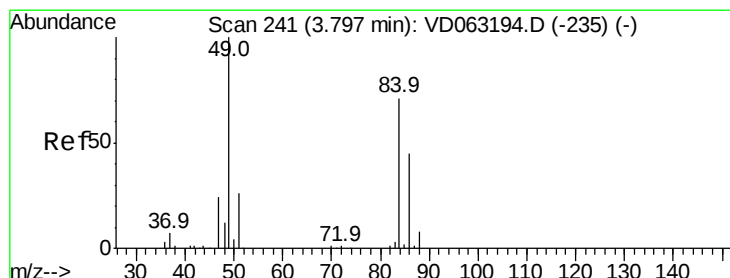
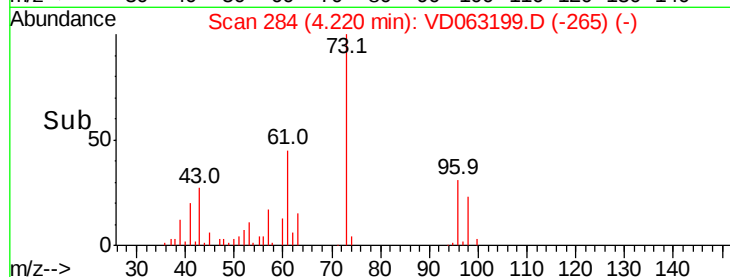
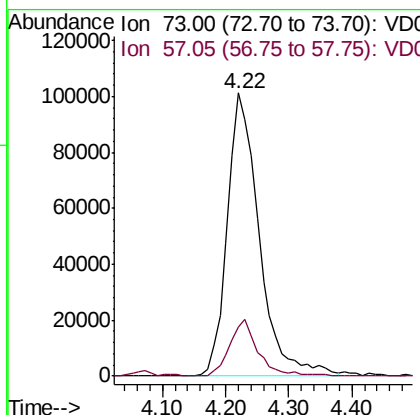
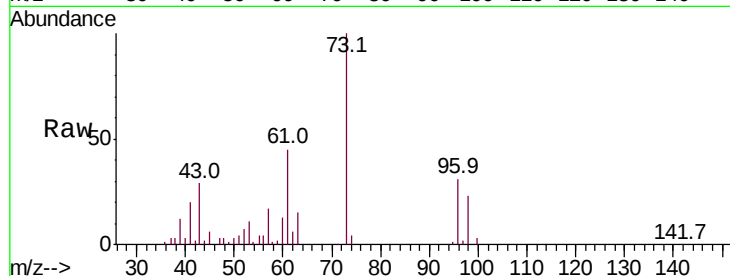


#19

Methyl tert-butyl Ether
 Concen: 21.045 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

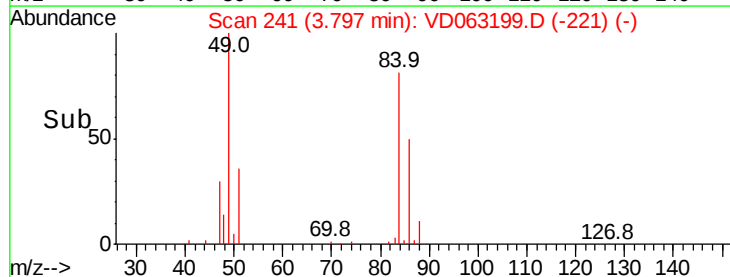
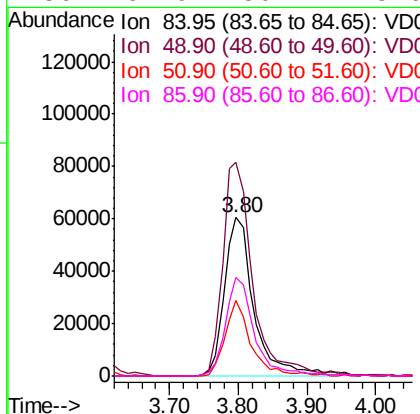
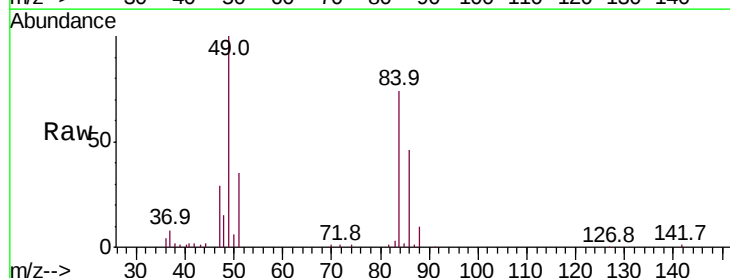
Tot Ion: 73 Resp: 355089
 Ion Ratio Lower Upper
 73 100
 57 17.4 13.8 20.6

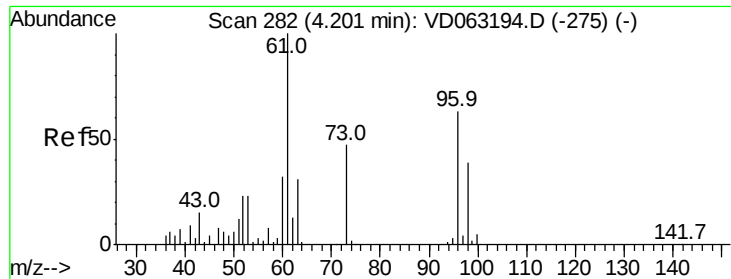


#20

Methylene Chloride
 Concen: 21.289 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Tgt Ion: 84 Resp: 179161
 Ion Ratio Lower Upper
 84 100
 49 134.8 112.5 168.7
 51 47.7 29.6 44.4#
 86 61.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 22.665 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

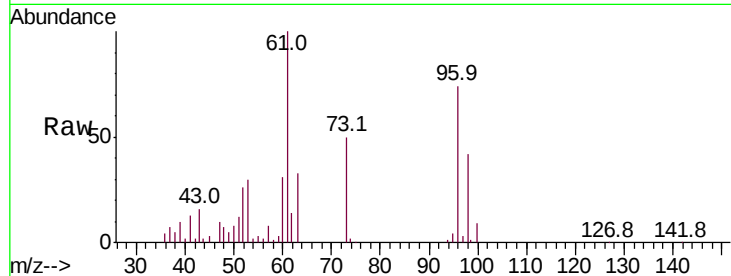
Tot Ion: 96 Resp: 189956

Ion Ratio Lower Upper

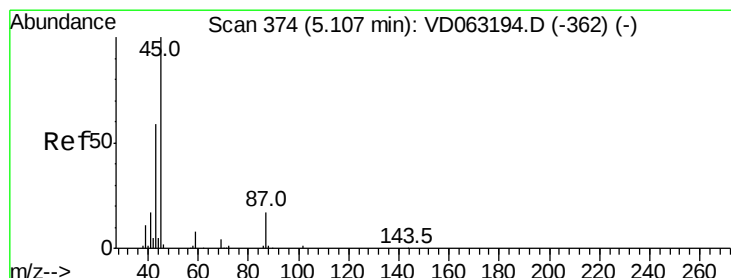
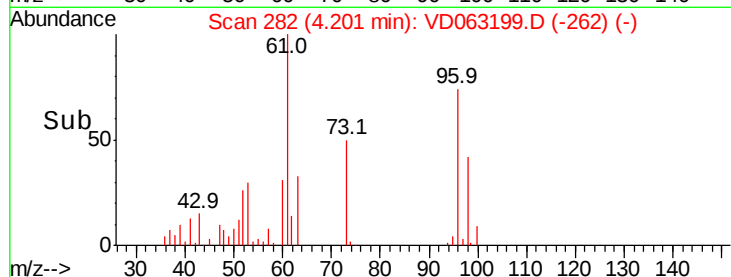
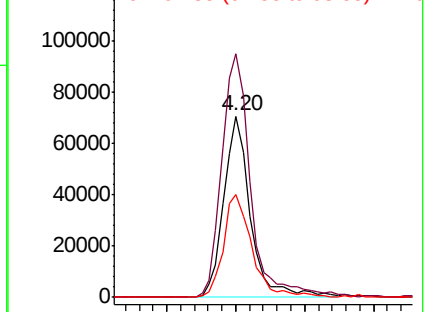
96 100

61 134.4 127.4 191.2

98 56.9 49.3 73.9



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



#22

Diisopropyl ether

Concen: 21.554 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Tgt Ion: 45 Resp: 512414

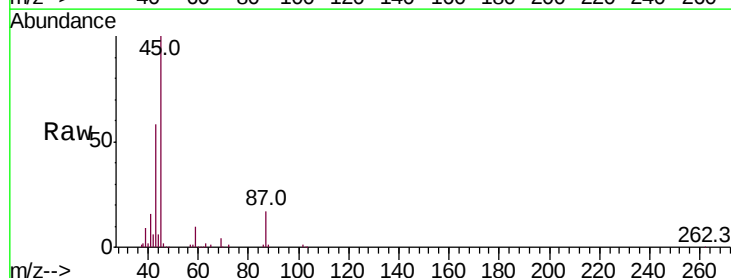
Ion Ratio Lower Upper

45 100

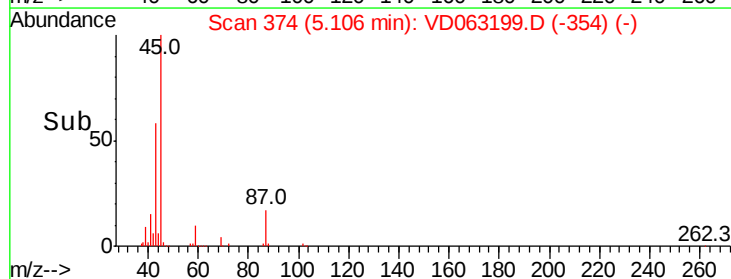
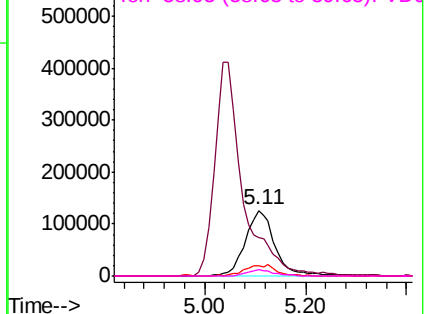
43 58.1 51.7 77.5

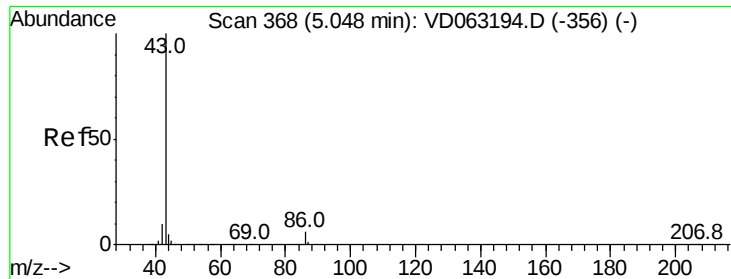
87 16.6 14.6 21.8

59 10.0 6.6 10.0#



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





#23

Vinyl Acetate

Concen: 108.993 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

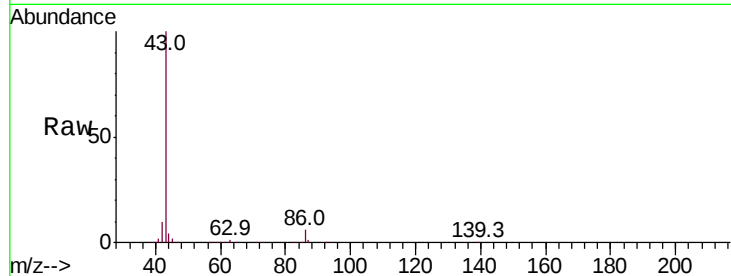
VD0729SBS01

Tot Ion: 43 Resp: 1592757

Ion Ratio Lower Upper

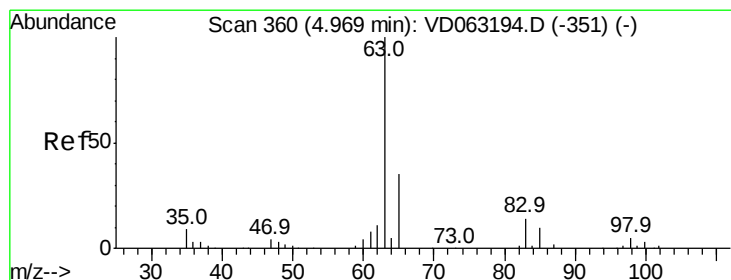
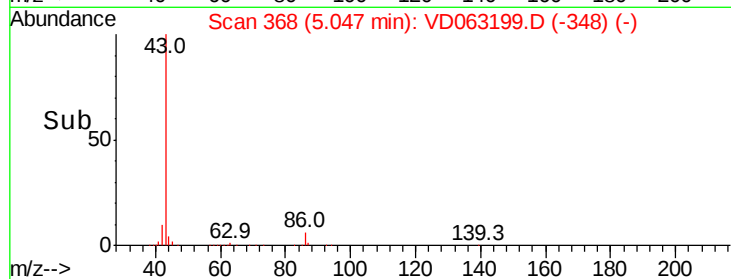
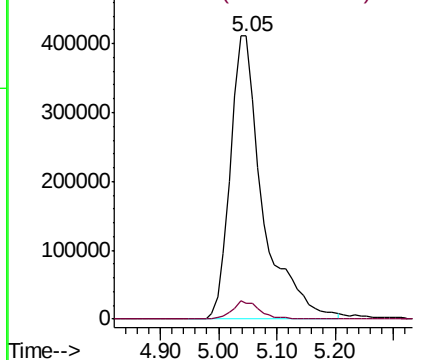
43 100

86 5.8 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.309 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

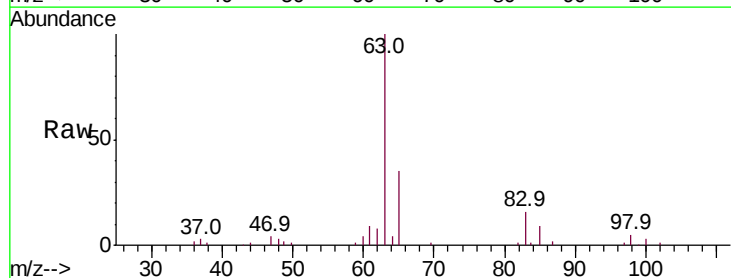
Tgt Ion: 63 Resp: 323586

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

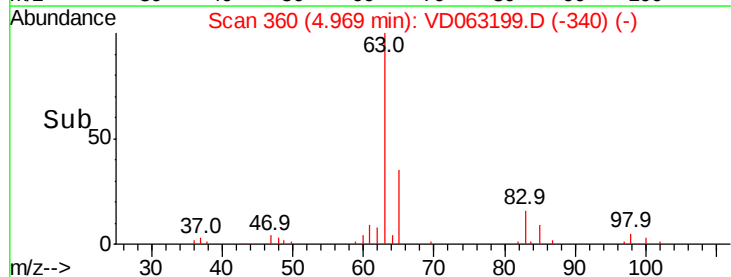
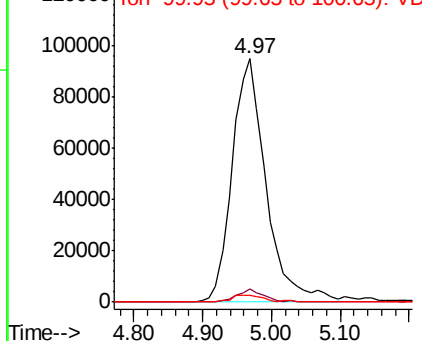
100 2.6 1.3 3.9

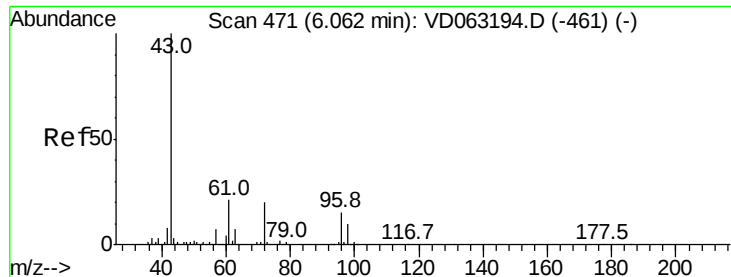


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

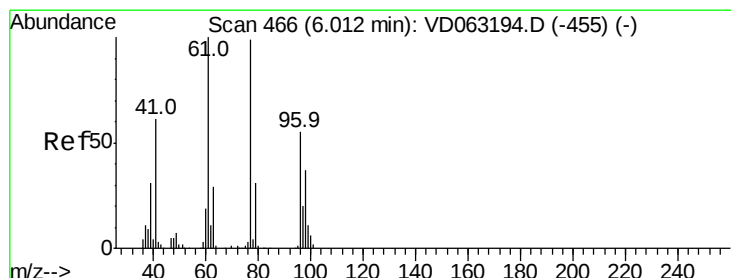
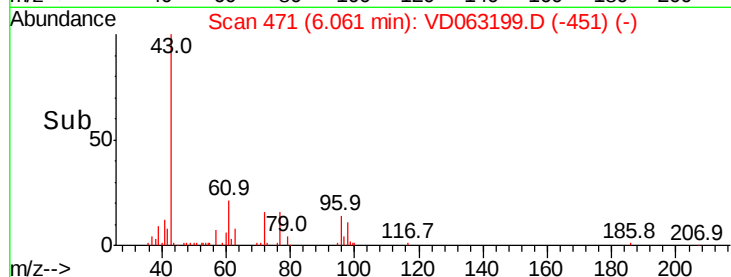
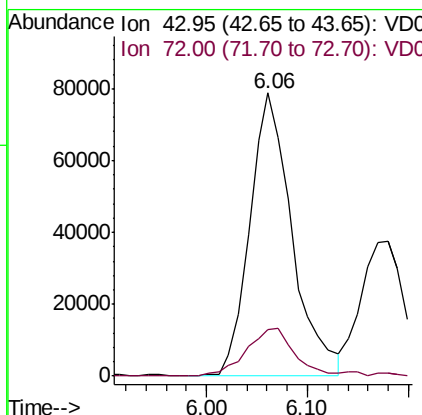
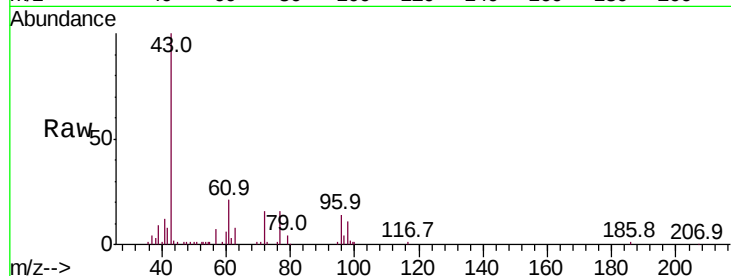




#25
2-Butanone
Concen: 110.077 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

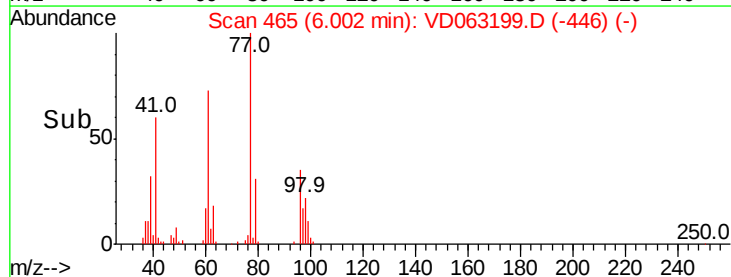
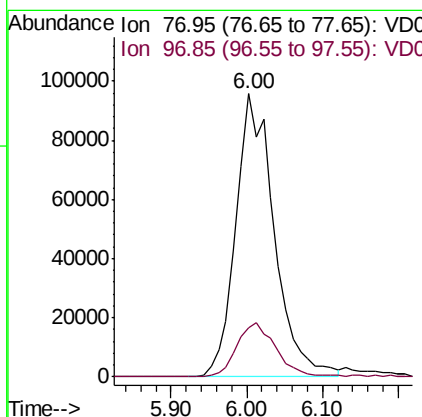
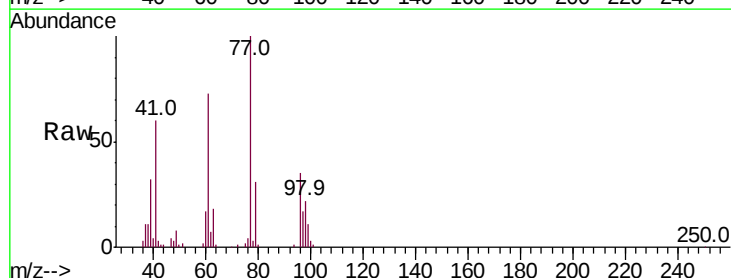
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

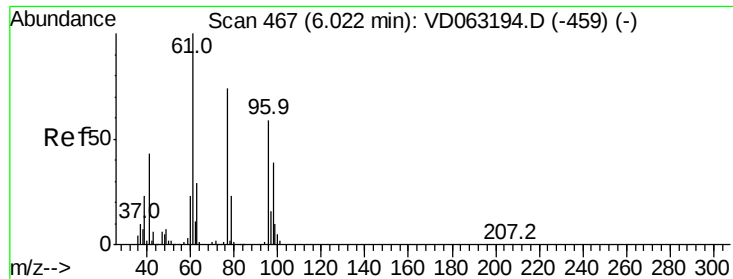
Tot Ion: 43 Resp: 229997
Ion Ratio Lower Upper
43 100
72 16.3 16.3 24.5#



#26
2,2-Dichloropropane
Concen: 21.511 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion: 77 Resp: 336620
Ion Ratio Lower Upper
77 100
97 17.2 10.2 30.6



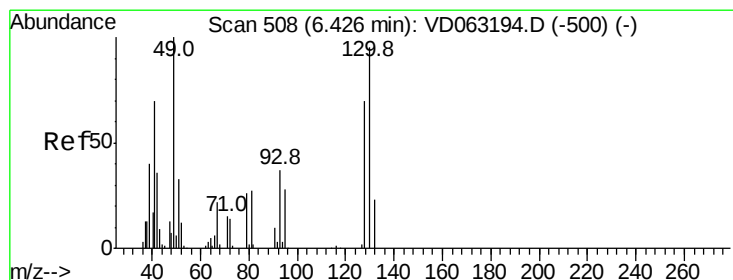
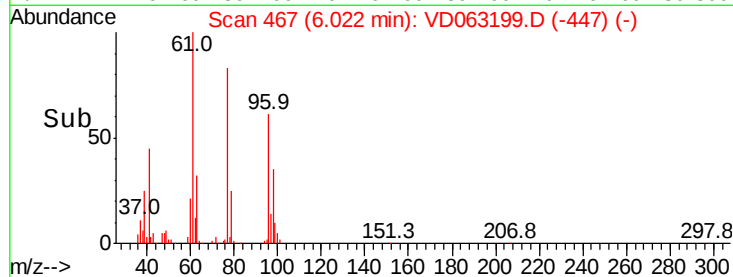
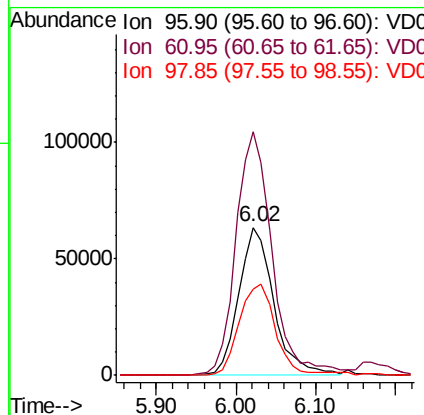
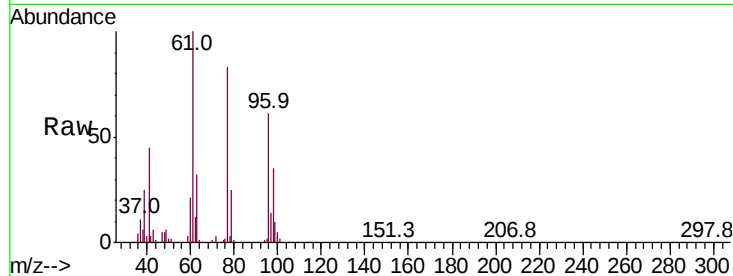


#27

cis-1,2-Dichloroethene
 Concen: 21.542 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

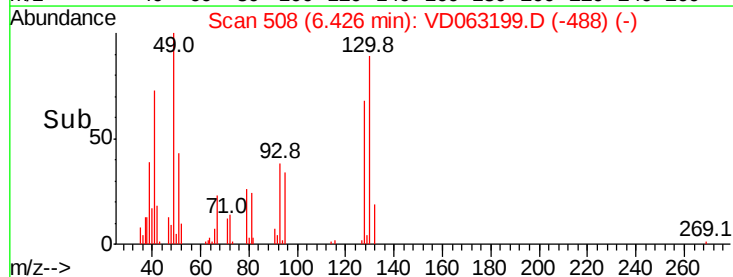
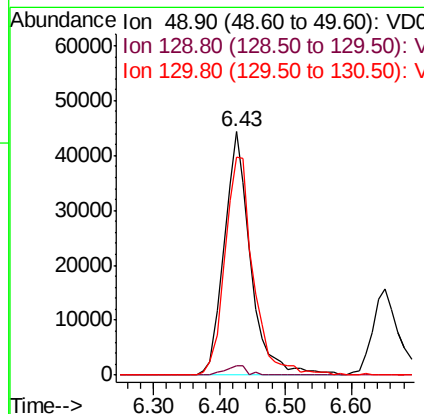
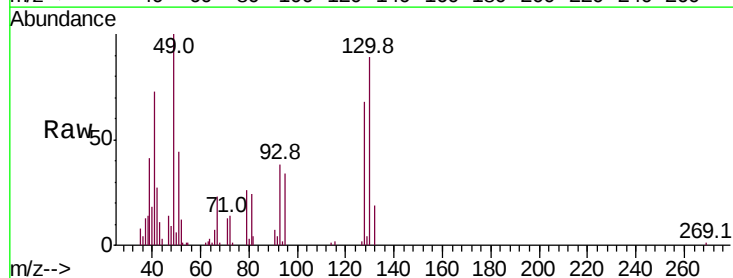
Tot Ion	Ratio	Lower	Upper
96	100		
61	164.5	0.0	337.2
98	58.1	0.0	130.6

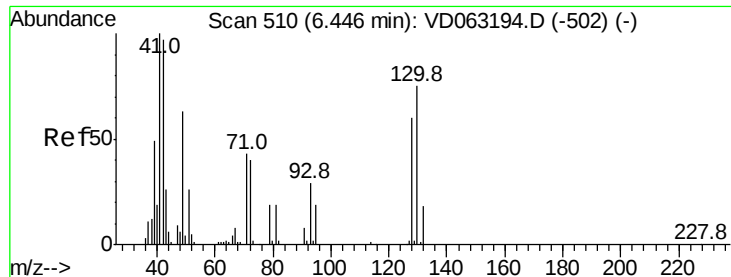


#28

Bromochloromethane
 Concen: 20.464 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.0	0.0	0.0#
130	89.5	75.7	113.5





#29

Tetrahydrofuran

Concen: 103.006 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

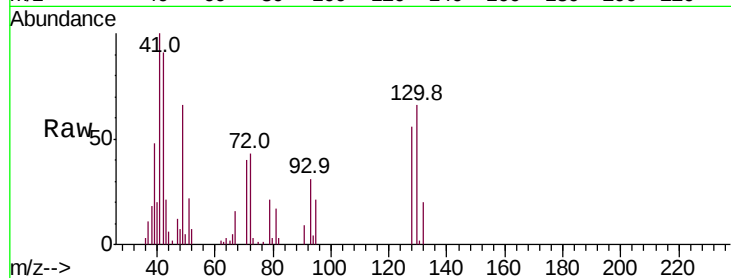
Tot Ion: 42 Resp: 101897

Ion Ratio Lower Upper

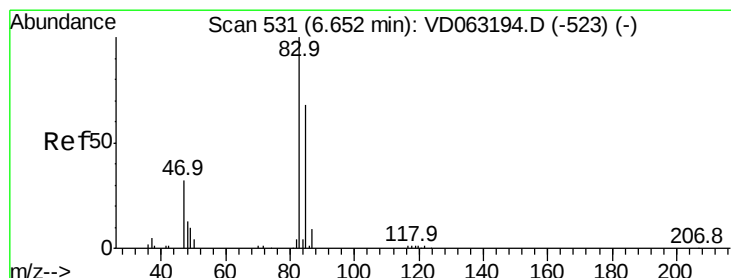
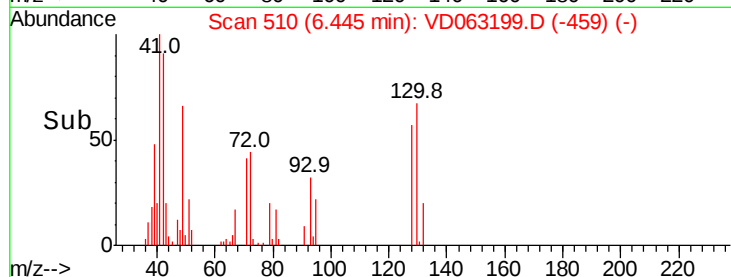
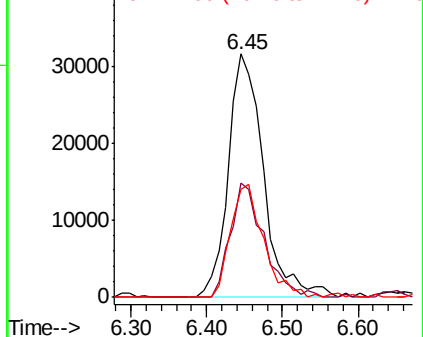
42 100

72 44.7 33.4 50.2

71 43.4 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.052 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD063199.D

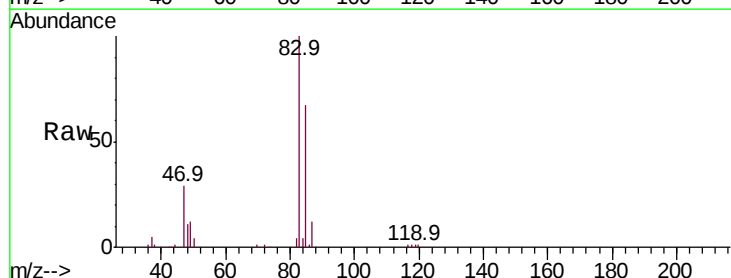
Acq: 29 Jul 2019 15:18

Tgt Ion: 83 Resp: 396728

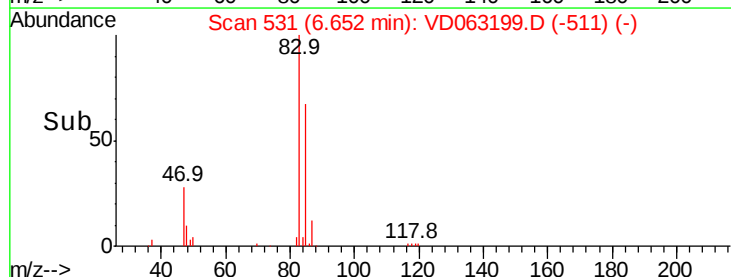
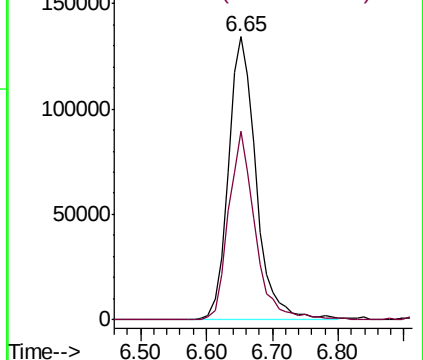
Ion Ratio Lower Upper

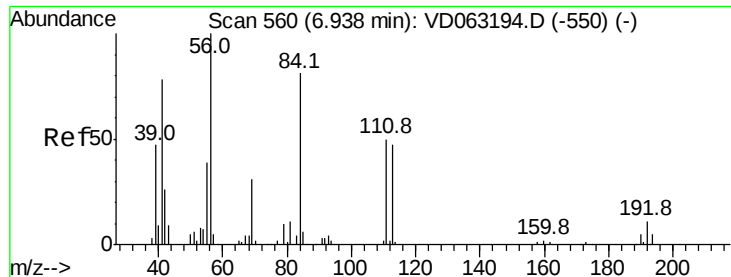
83 100

85 66.9 54.2 81.4



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

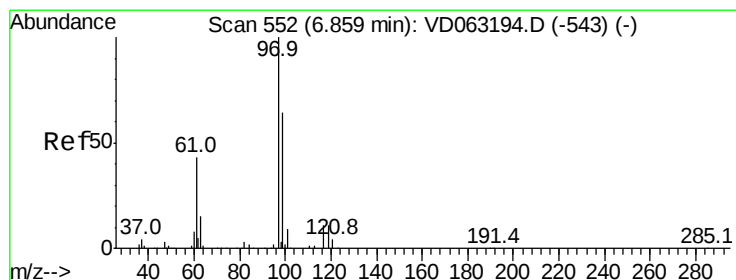
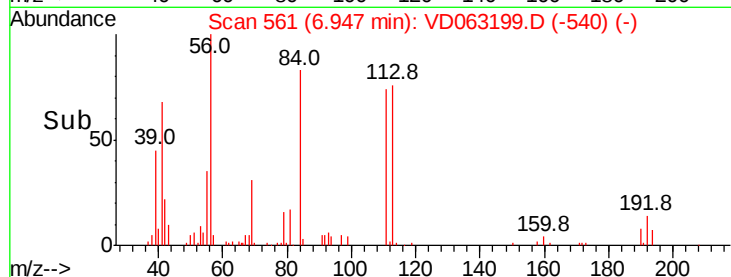
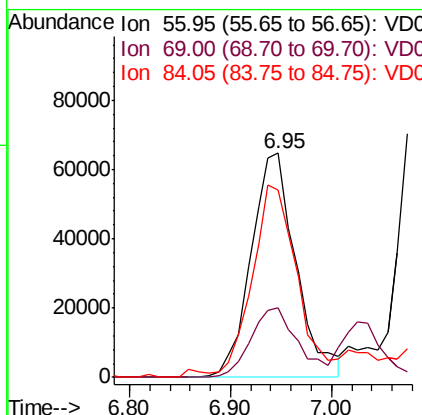
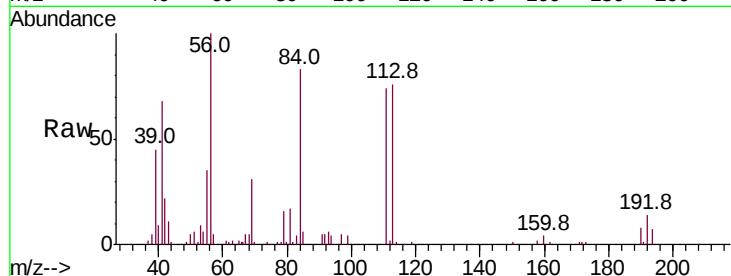




#31
Cyclohexane
Concen: 21.046 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

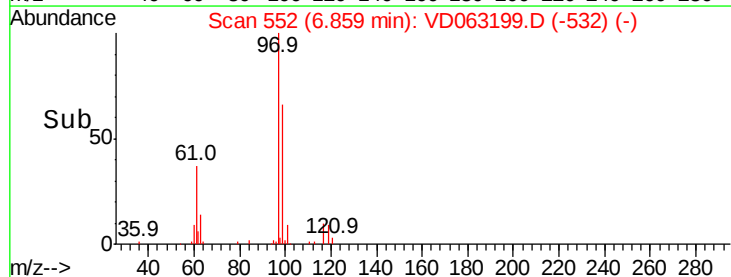
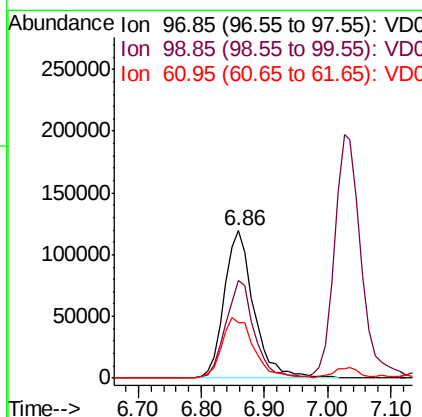
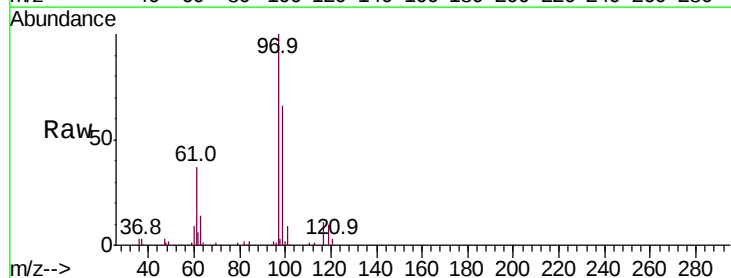
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

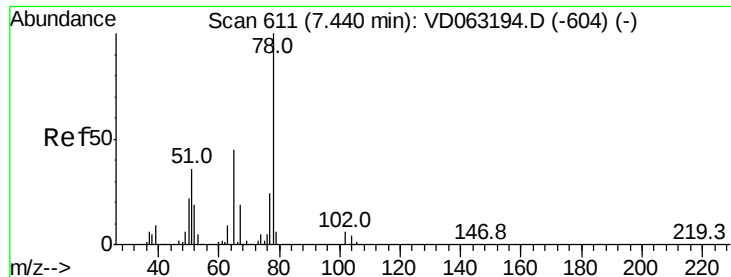
Tot Ion: 56 Resp: 200316
Ion Ratio Lower Upper
56 100
69 30.8 24.5 36.7
84 83.5 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 21.256 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion: 97 Resp: 387454
Ion Ratio Lower Upper
97 100
99 66.1 51.2 76.8
61 37.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 54.449 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

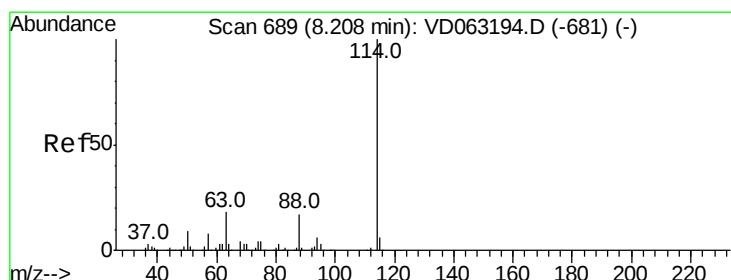
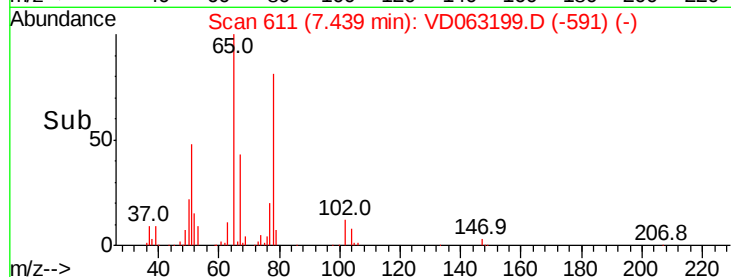
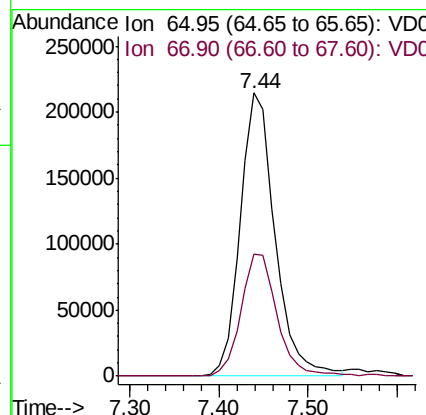
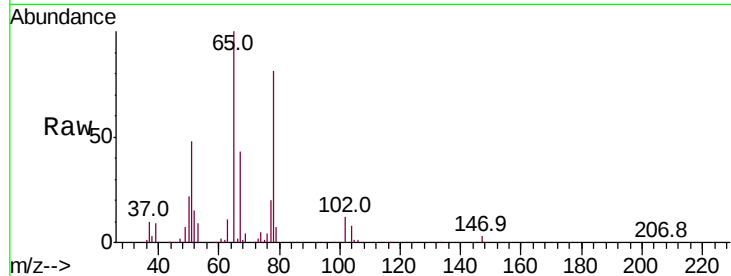
Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion: 65 Resp: 581813

Ion	Ratio	Lower	Upper
65	100		
67	43.1	0.0	85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

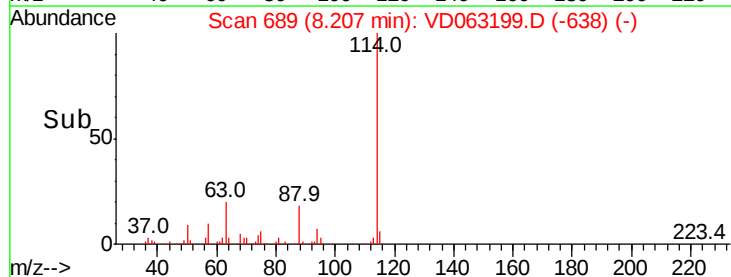
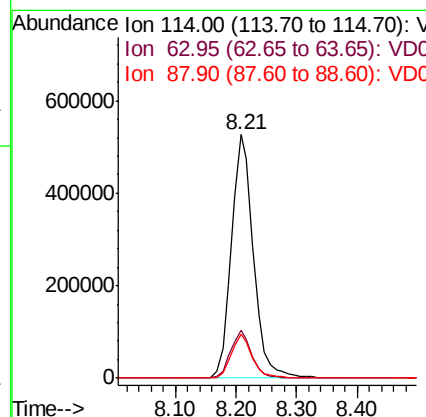
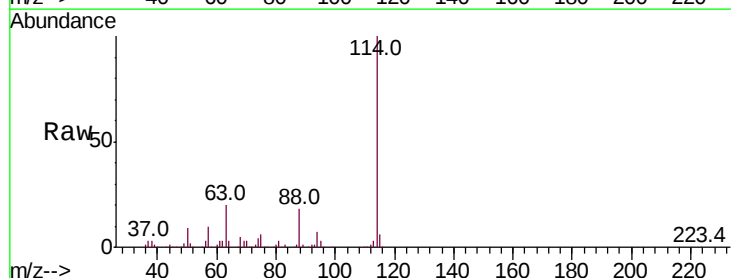
Delta R.T. -0.00 min

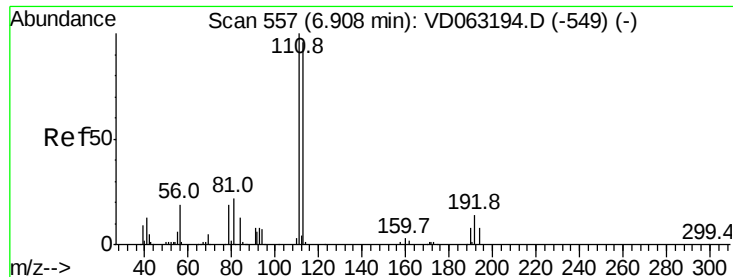
Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Tgt Ion: 114 Resp: 1331334

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	35.2
88	18.3	0.0	34.6





#35

Dibromofluoromethane

Concen: 56.986 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

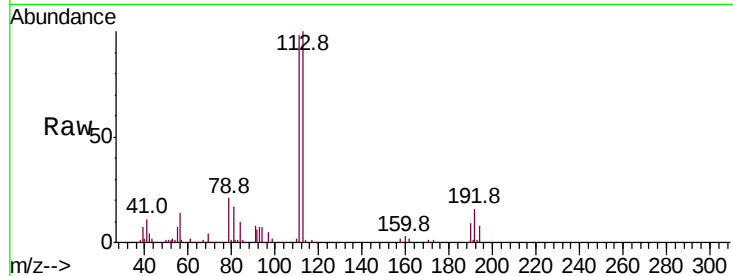
Tot Ion:113 Resp: 647746

Ion Ratio Lower Upper

113 100

111 98.4 83.2 124.8

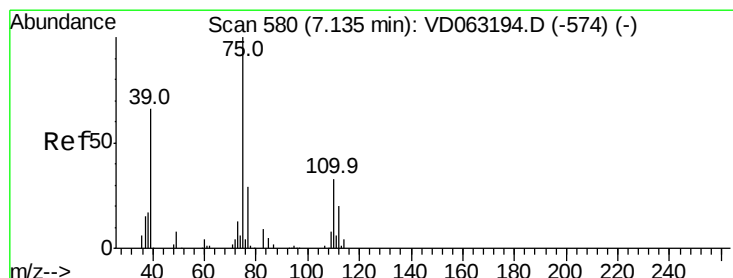
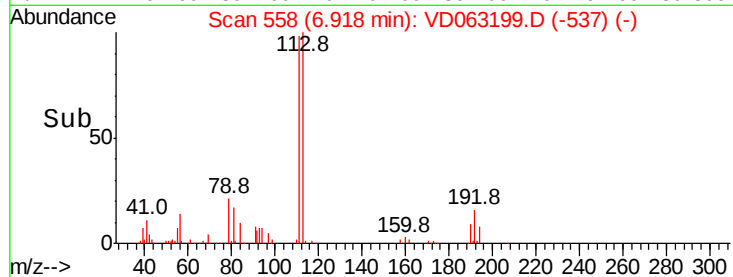
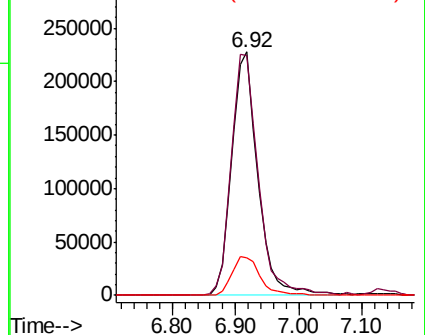
192 15.6 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.457 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

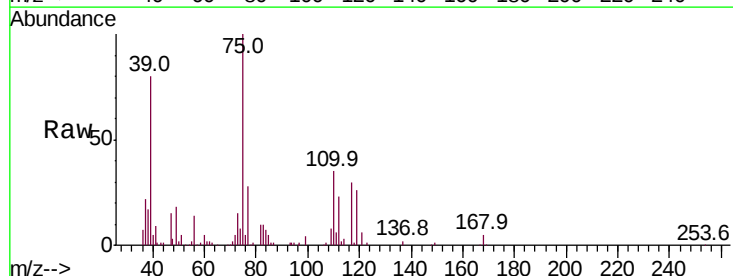
Tgt Ion: 75 Resp: 272854

Ion Ratio Lower Upper

75 100

110 34.8 16.1 48.2

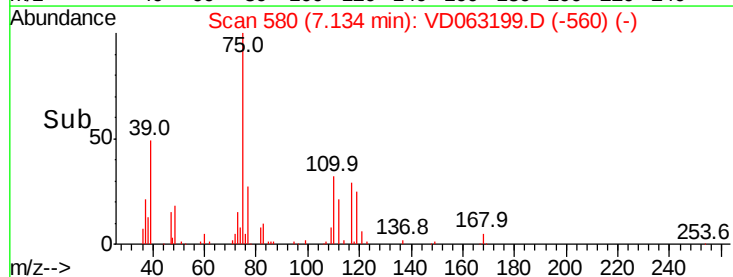
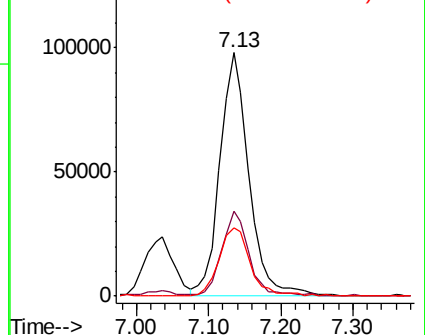
77 28.3 22.7 34.1

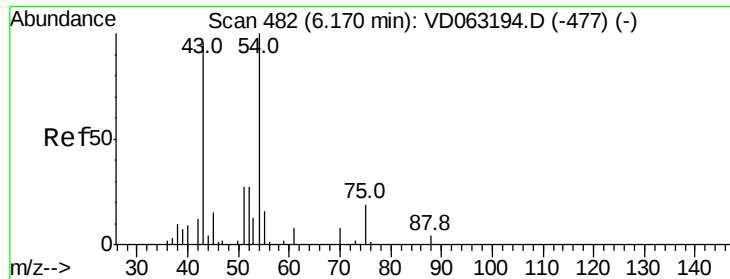


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

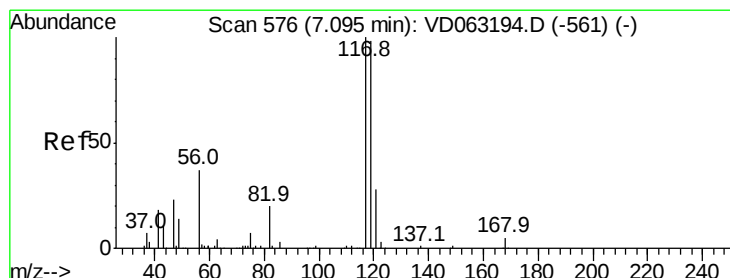
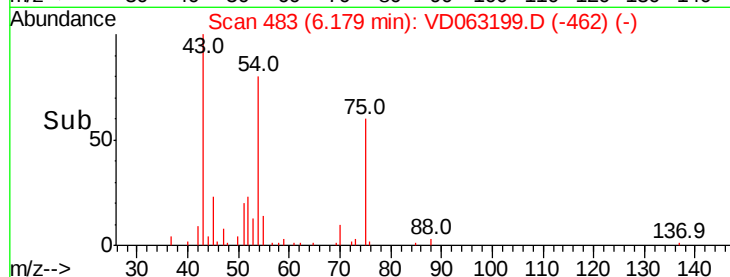
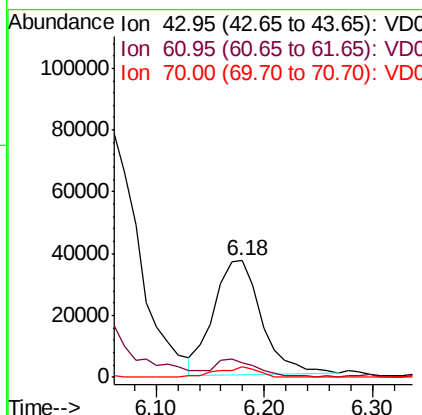
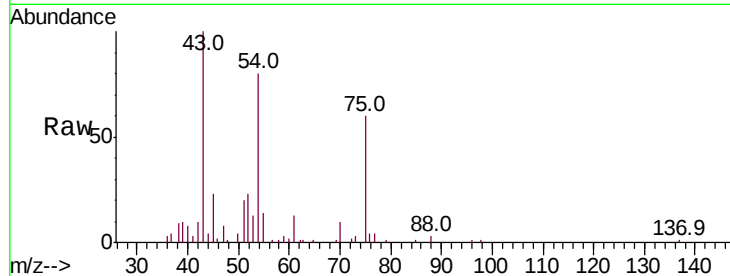




#37
Ethyl Acetate
Concen: 20.866 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

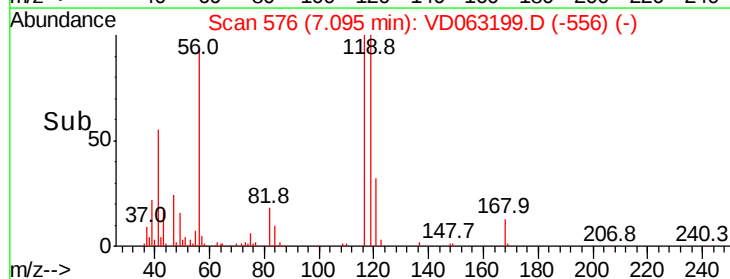
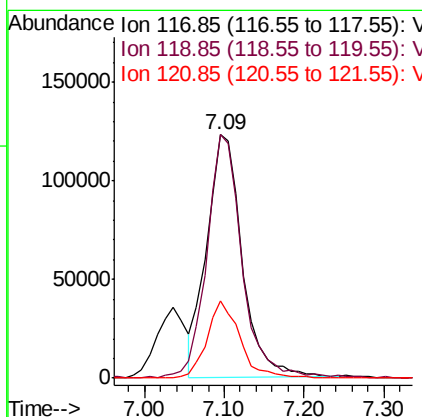
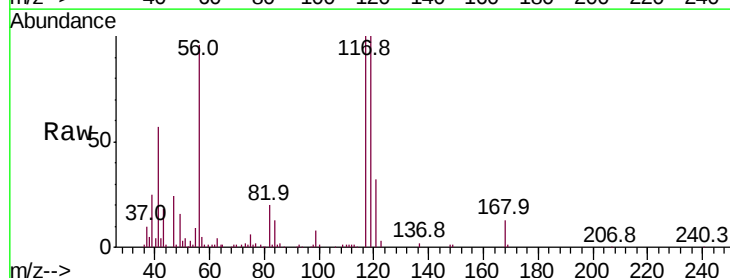
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

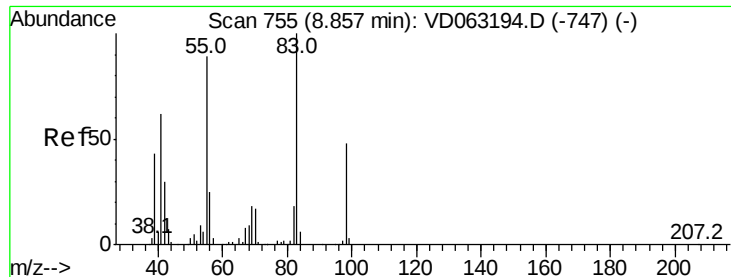
Tot Ion: 43 Resp: 113898
Ion Ratio Lower Upper
43 100
61 12.7 11.3 16.9
70 9.5 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 21.023 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion: 117 Resp: 384540
Ion Ratio Lower Upper
117 100
119 99.9 78.2 117.2
121 31.8 22.1 33.1





#39

Methvlcvclohexane

Concen: 21.442 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

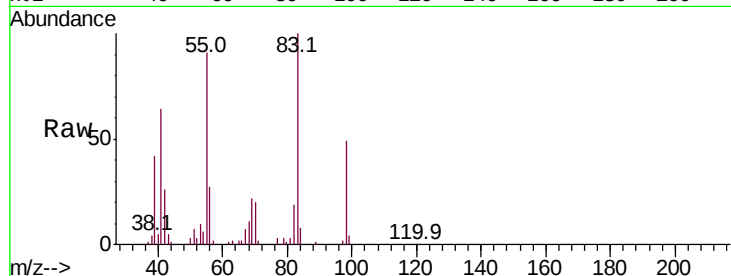
Tot Ion: 83 Resp: 217062

Ion Ratio Lower Upper

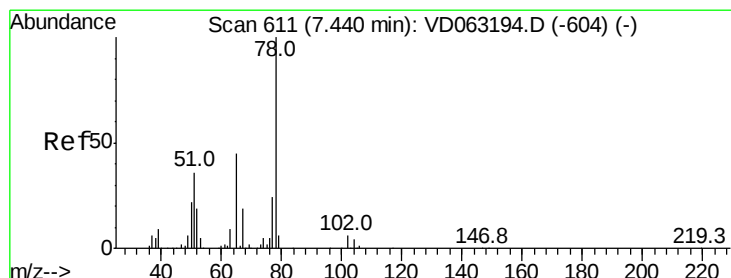
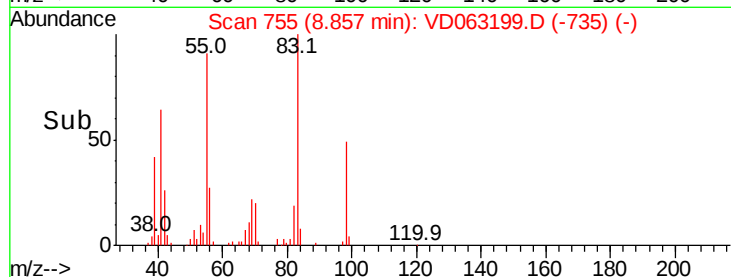
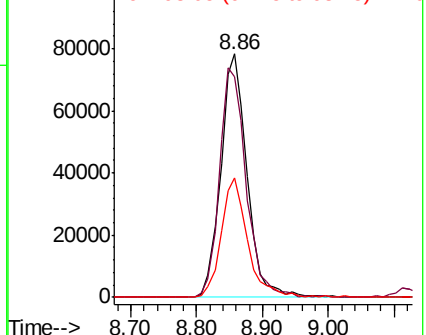
83 100

55 90.7 71.1 106.7

98 49.1 38.5 57.7



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: 20.923 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063199.D

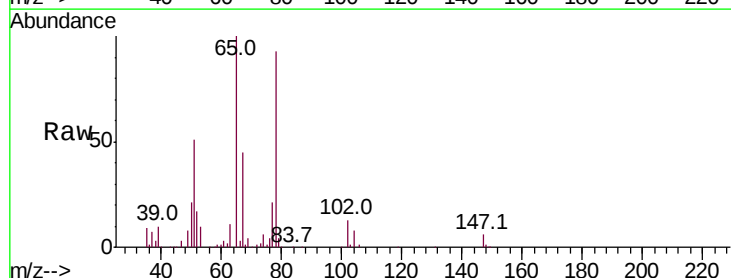
Acq: 29 Jul 2019 15:18

Tgt Ion: 78 Resp: 532802

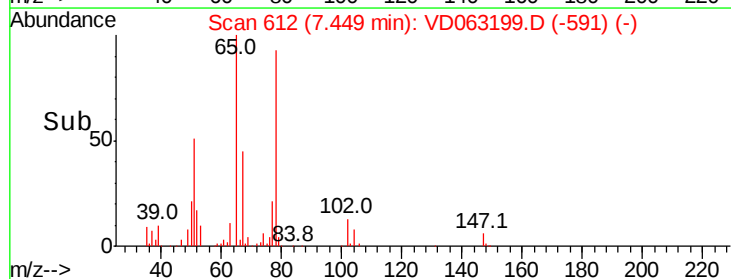
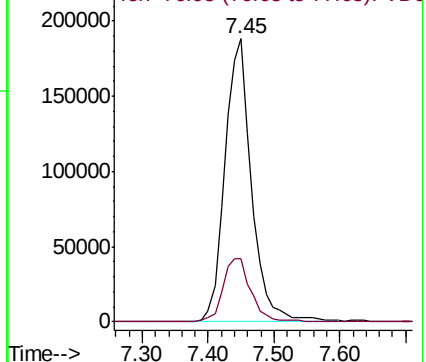
Ion Ratio Lower Upper

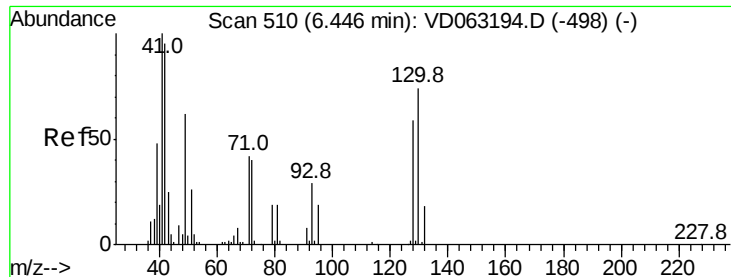
78 100

77 22.4 19.4 29.2



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

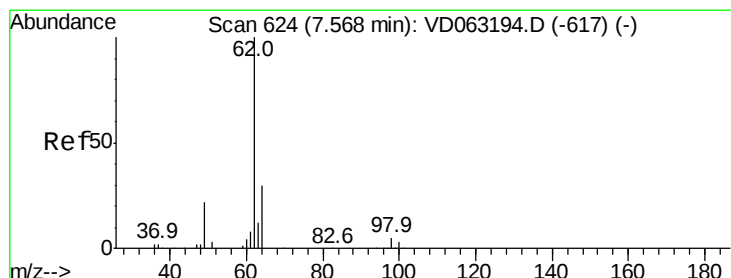
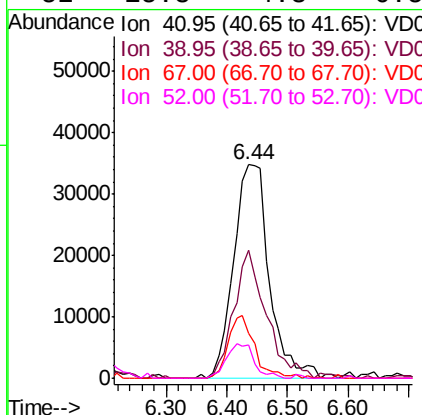
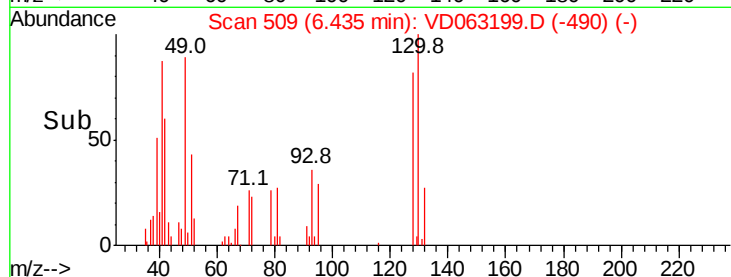
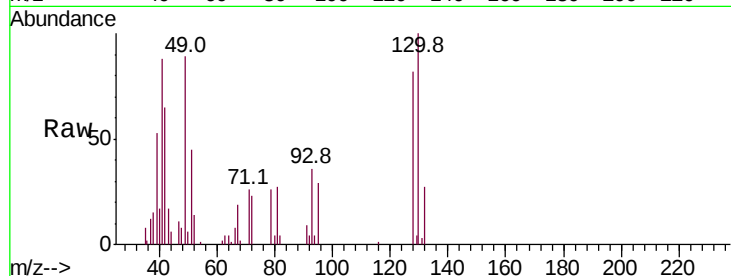




#41
Methacrylonitrile
Concen: 21.928 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

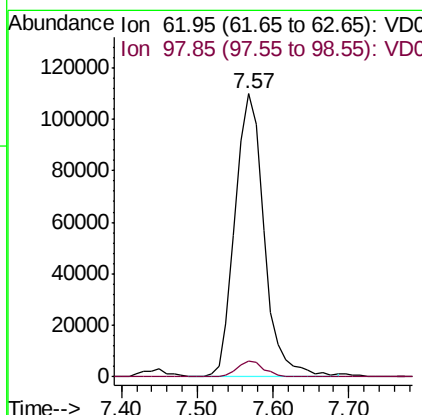
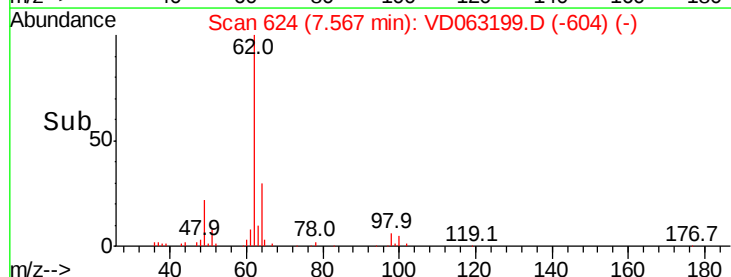
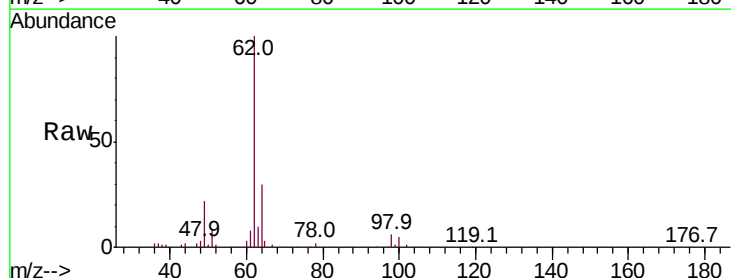
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

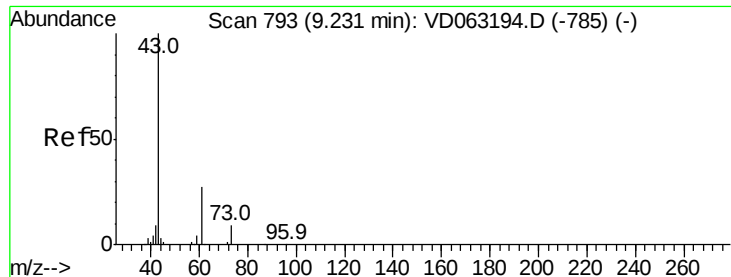
Tot Ion: 41 Resp: 143180
Ion Ratio Lower Upper
41 100
39 60.1 38.4 57.6#
67 21.3 6.7 10.1#
52 15.8 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 21.694 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion: 62 Resp: 292775
Ion Ratio Lower Upper
62 100
98 5.7 0.0 9.8



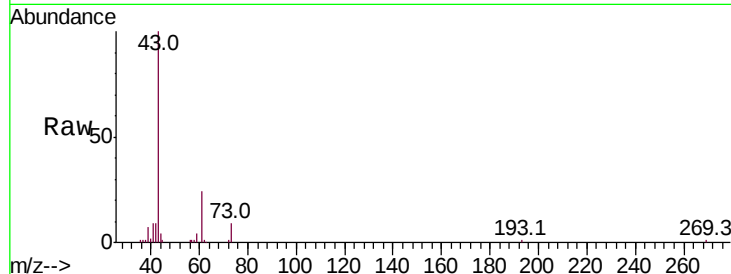


#43

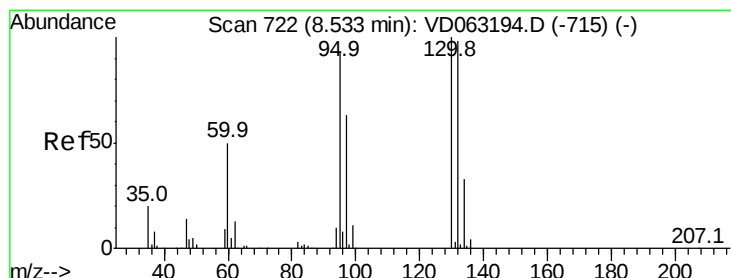
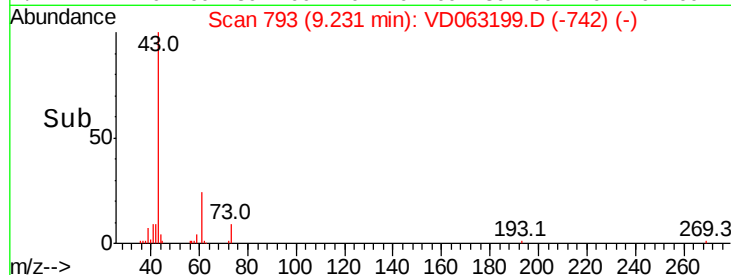
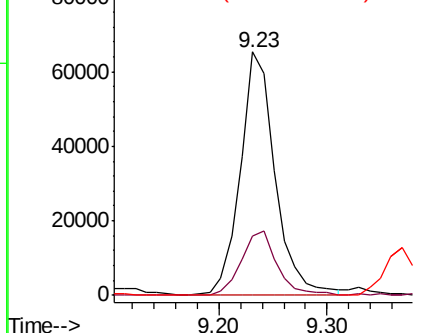
Isopropyl Acetate
 Concen: 20.994 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion: 43 Resp: 146384
 Ion Ratio Lower Upper
 43 100
 61 24.3 21.4 32.0
 87 0.0 0.2 0.4#



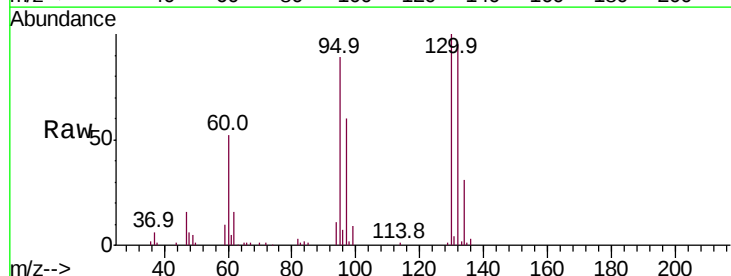
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



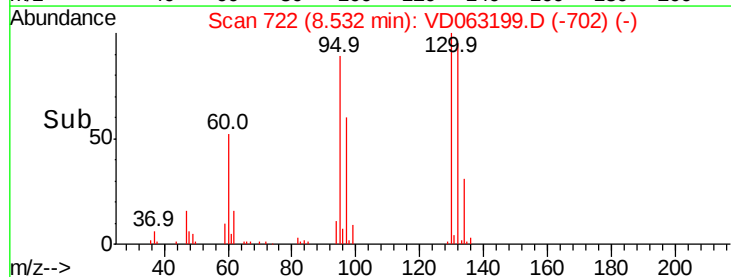
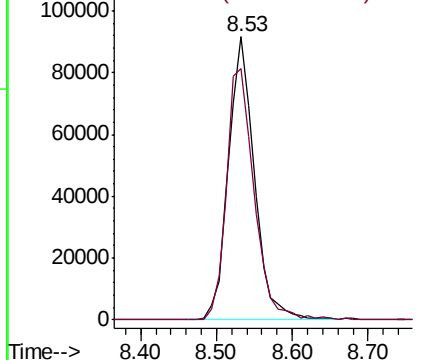
#44

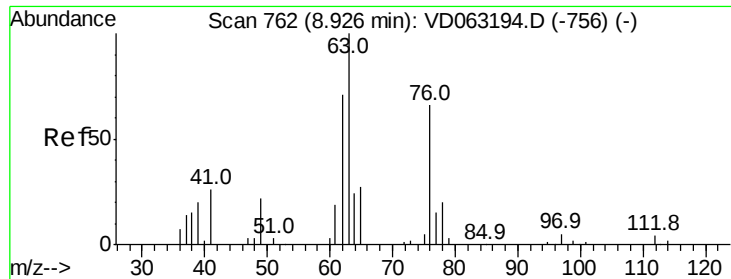
Trichloroethene
 Concen: 21.046 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Tgt Ion:130 Resp: 217164
 Ion Ratio Lower Upper
 130 100
 95 88.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.751 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

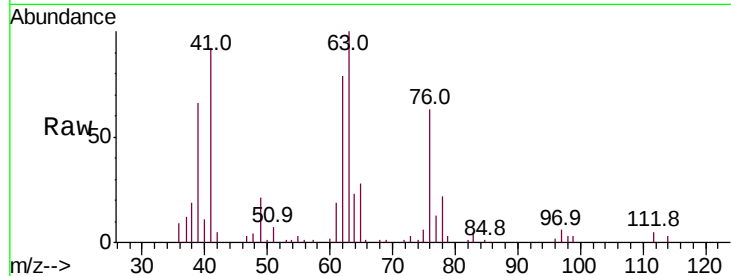
VD0729SBS01

Tot Ion: 63 Resp: 134308

Ion Ratio Lower Upper

63 100

65 27.8 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

60000

50000

40000

30000

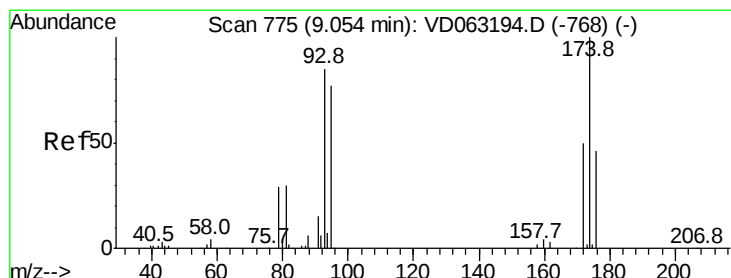
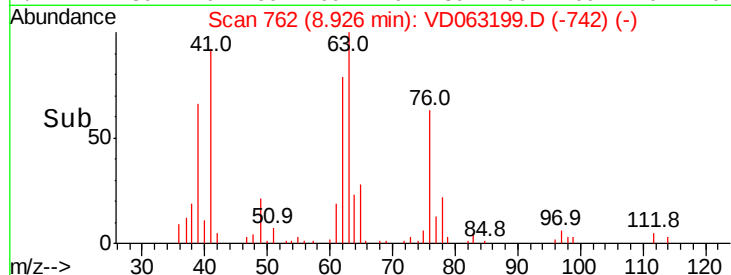
20000

10000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 21.627 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

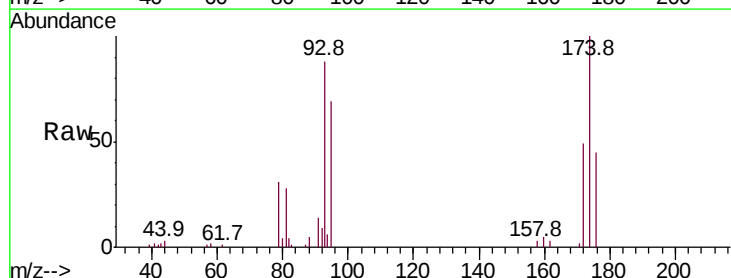
Tgt Ion: 93 Resp: 116389

Ion Ratio Lower Upper

93 100

95 79.0 72.8 109.2

174 114.0 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

60000

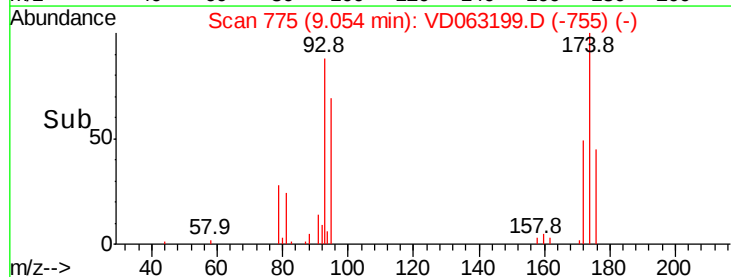
40000

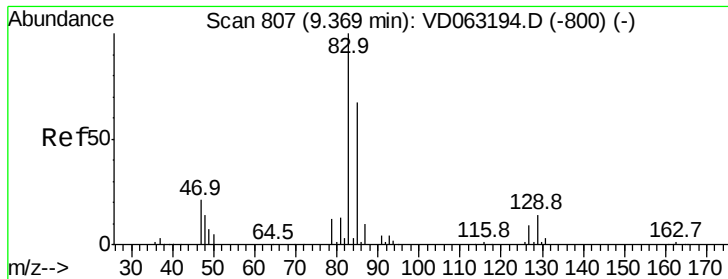
20000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 20.967 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

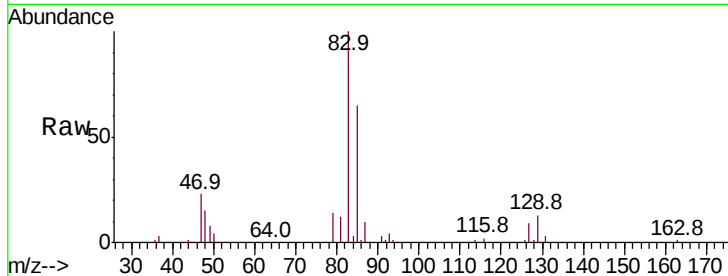
Tot Ion: 83 Resp: 287635

Ion Ratio Lower Upper

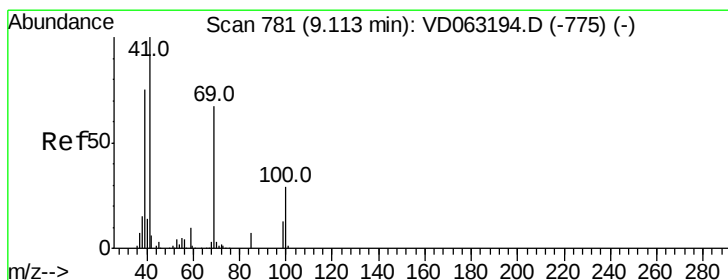
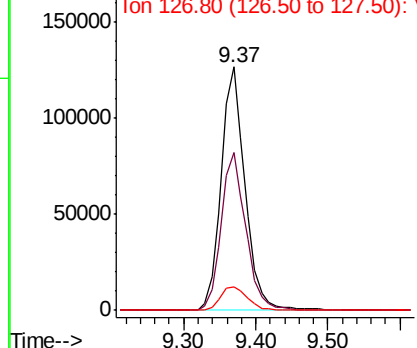
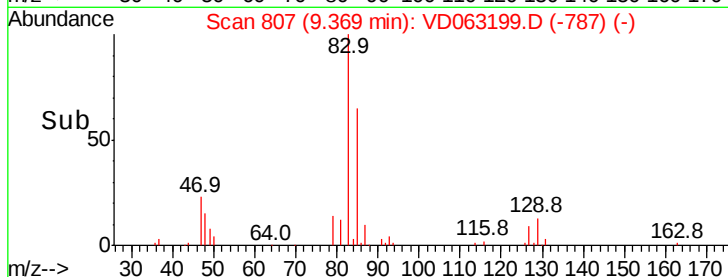
83 100

85 64.7 53.6 80.4

127 9.4 7.2 10.8



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



#48

Methyl methacrylate

Concen: 23.788 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

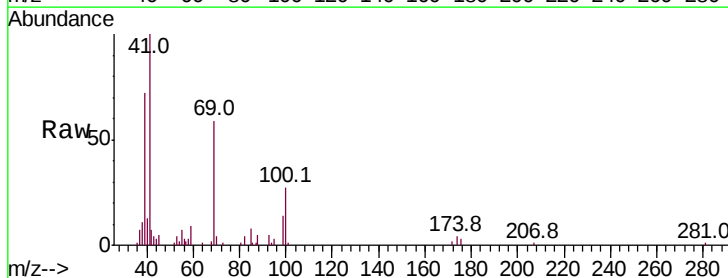
Tgt Ion: 41 Resp: 107575

Ion Ratio Lower Upper

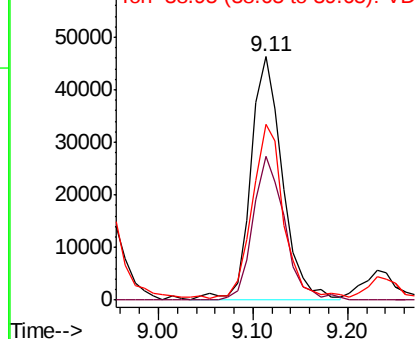
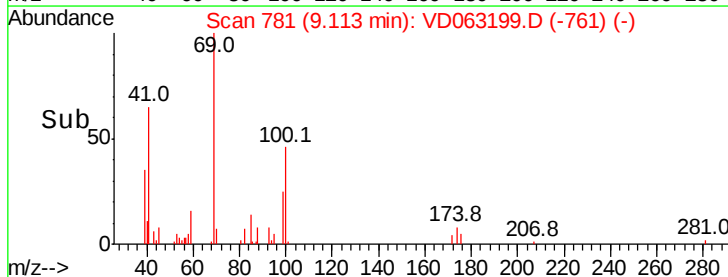
41 100

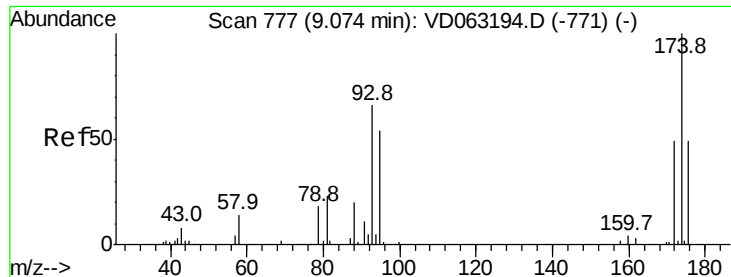
69 58.9 53.4 80.0

39 72.0 60.3 90.5



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

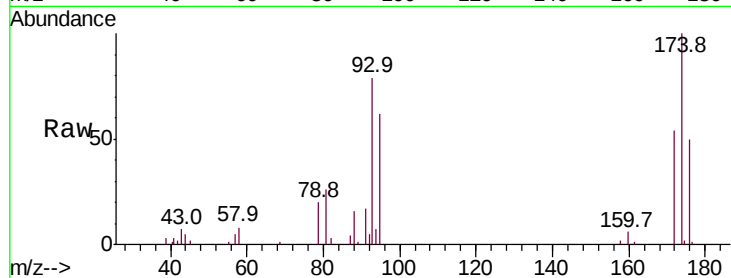




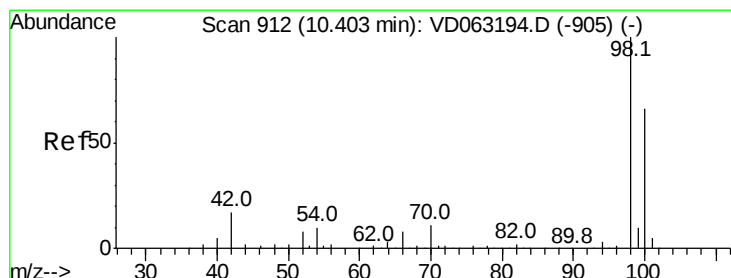
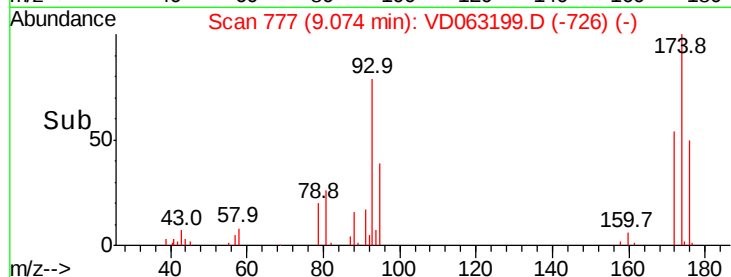
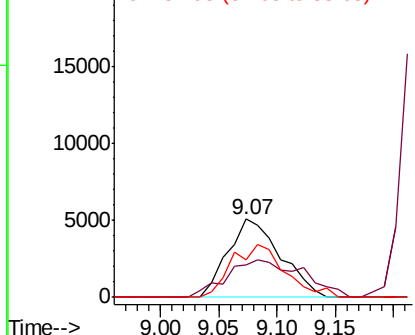
#49
1,4-Dioxane
Concen: 410.484 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion: 88 Resp: 15818
Ion Ratio Lower Upper
88 100
43 41.9 30.7 46.1
58 47.9 56.5 84.7#

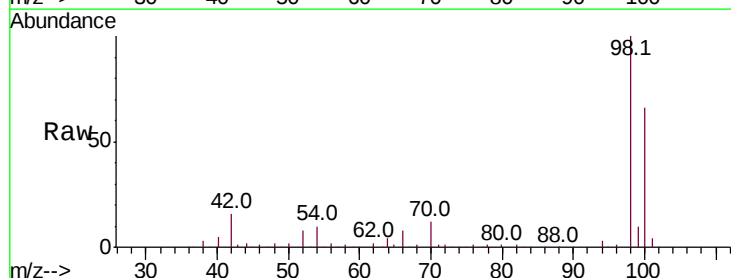


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

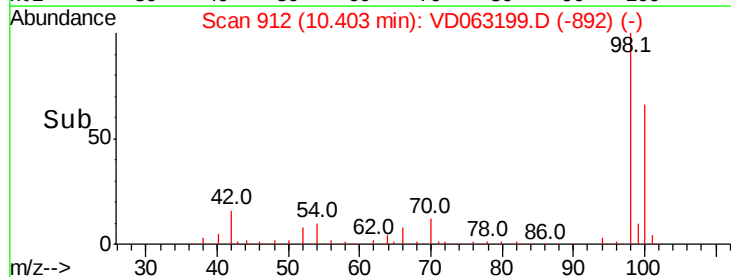
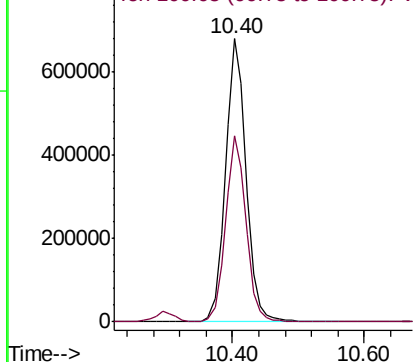


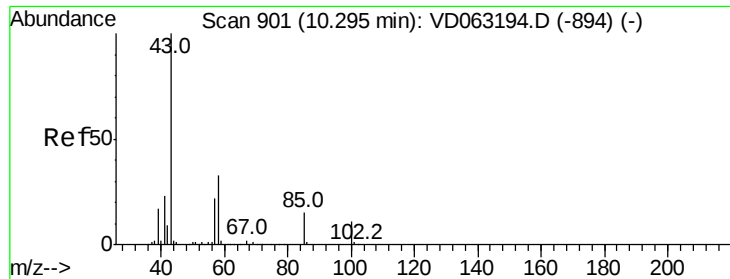
#50
Toluene-d8
Concen: 58.325 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion: 98 Resp: 1483724
Ion Ratio Lower Upper
98 100
100 65.9 53.2 79.8



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

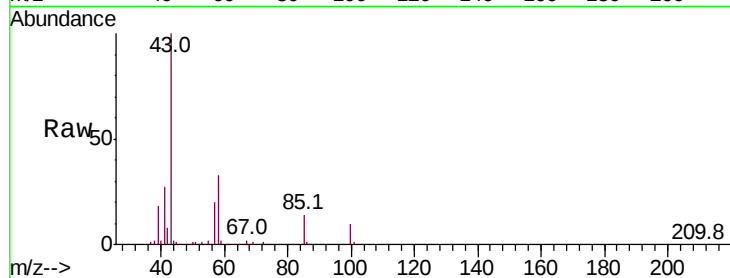




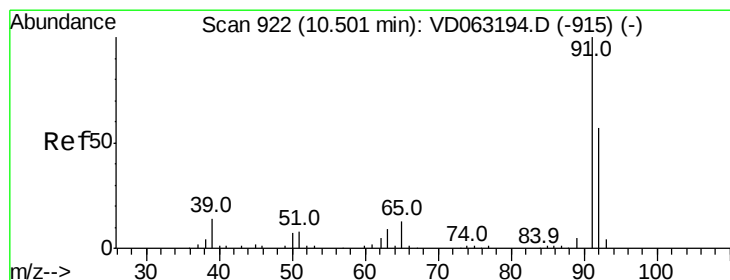
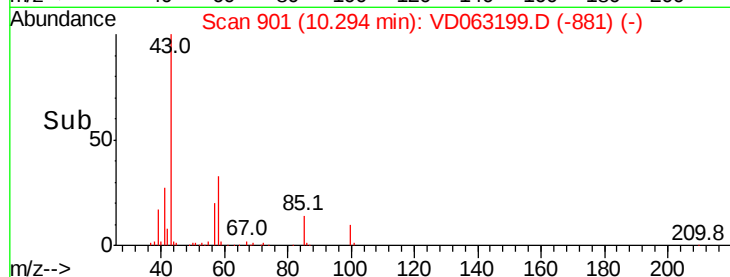
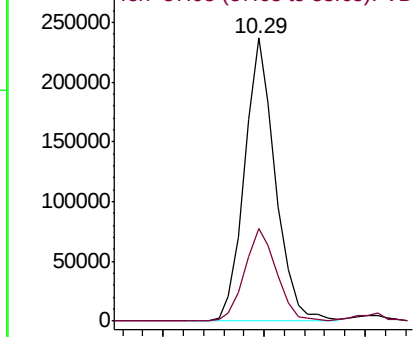
#51
4-Methyl-2-Pentanone
Concen: 106.032 ug/l
RT: 10.29 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Instrument :
MSVOA_D
ClientSampleID :
VD0729SBS01

Tot Ion: 43 Resp: 502809
Ion Ratio Lower Upper
43 100
58 32.7 26.2 39.2

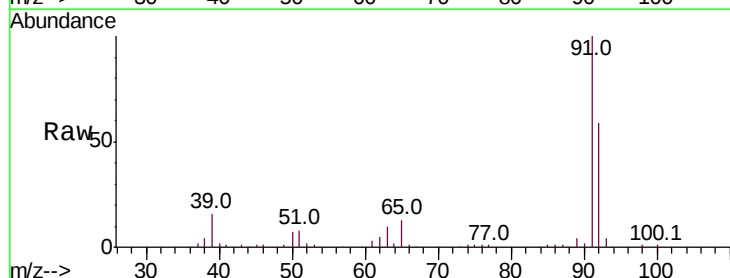


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

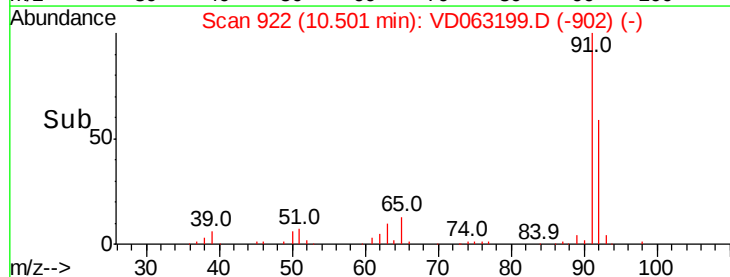
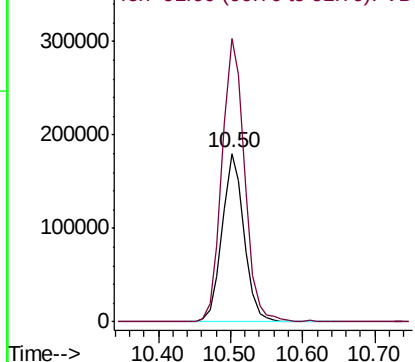


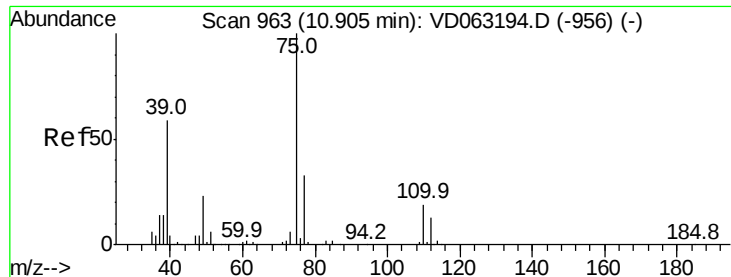
#52
Toluene
Concen: 22.370 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion: 92 Resp: 378871
Ion Ratio Lower Upper
92 100
91 168.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

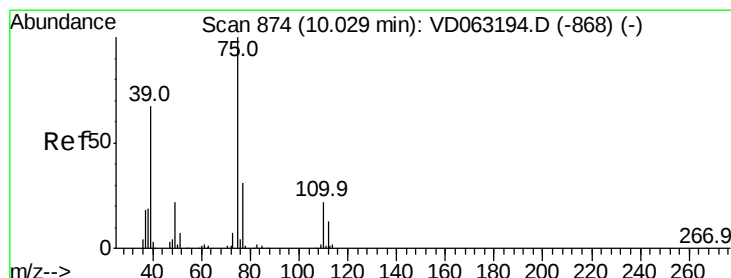
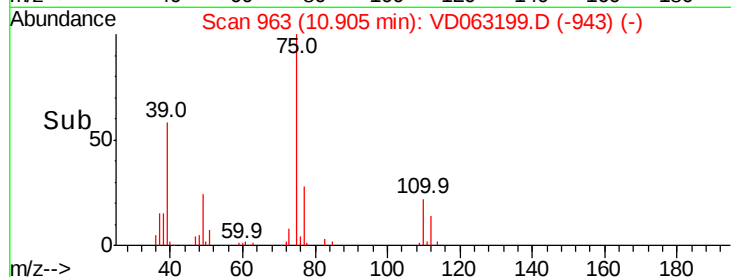
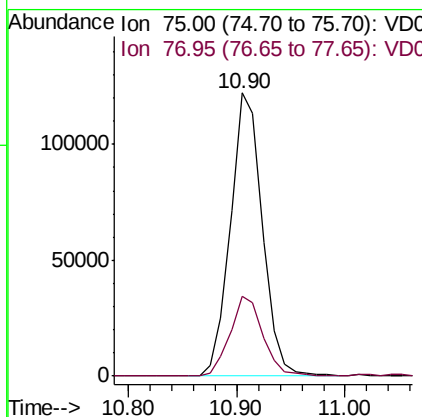
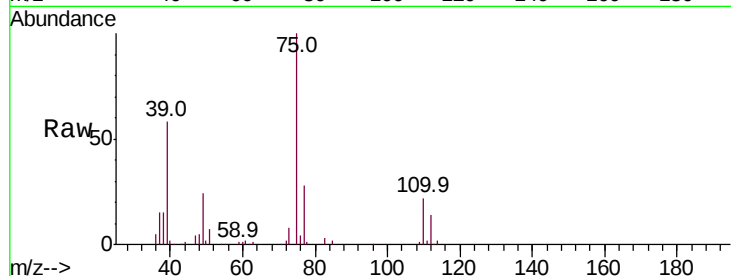




#53
 t-1,3-Dichloropropene
 Concen: 21.216 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

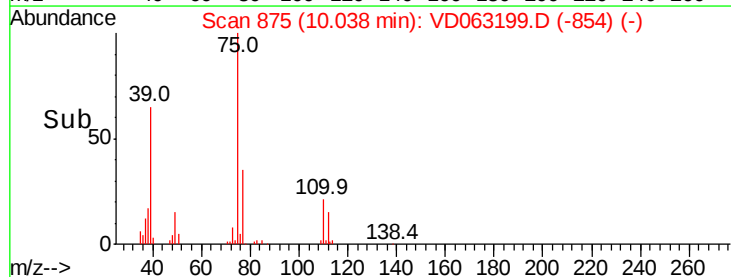
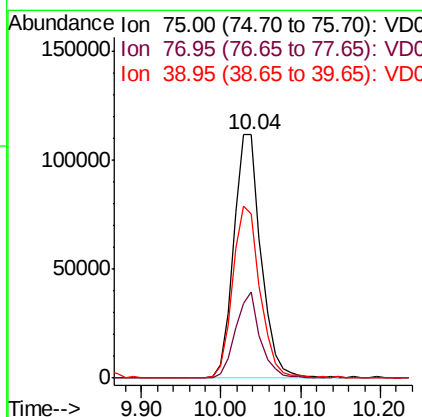
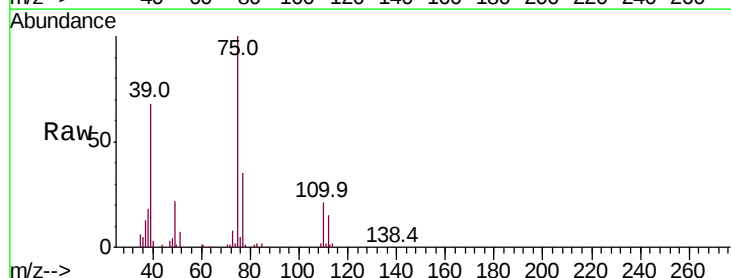
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

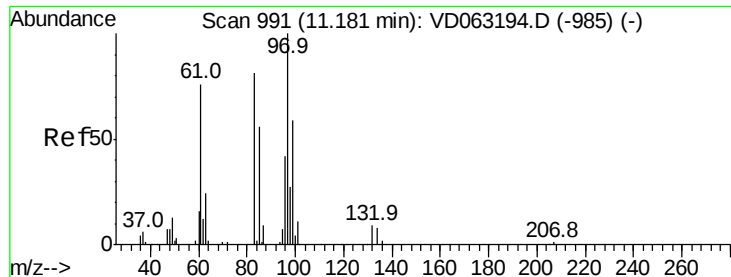
Tot Ion: 75 Resp: 250920
 Ion Ratio Lower Upper
 75 100
 77 28.3 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.439 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Tgt Ion: 75 Resp: 266490
 Ion Ratio Lower Upper
 75 100
 77 35.2 24.9 37.3
 39 67.6 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 22.044 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 97 Resp: 126090

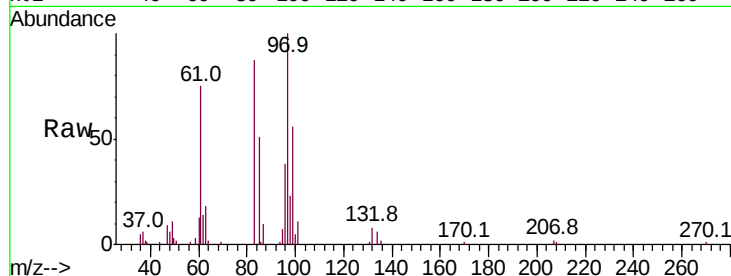
Ion Ratio Lower Upper

97 100

83 86.5 64.8 97.2

85 51.1 44.9 67.3

99 55.8 47.2 70.8

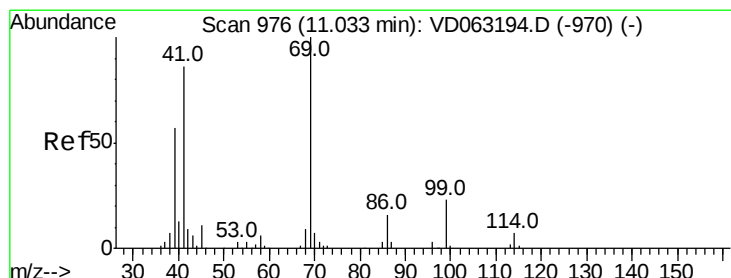
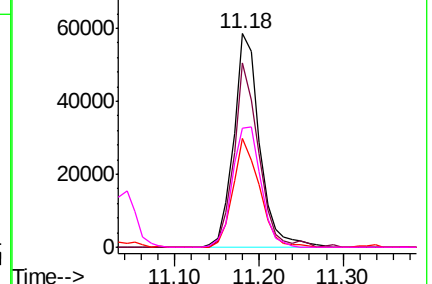
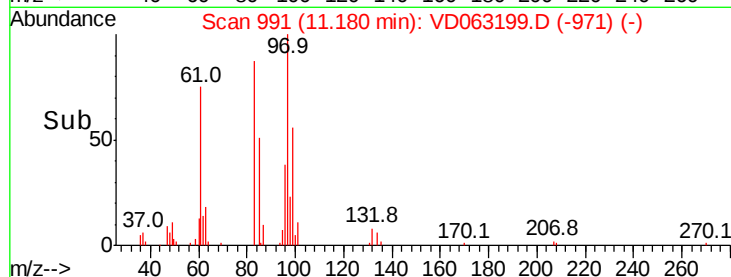


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 22.742 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

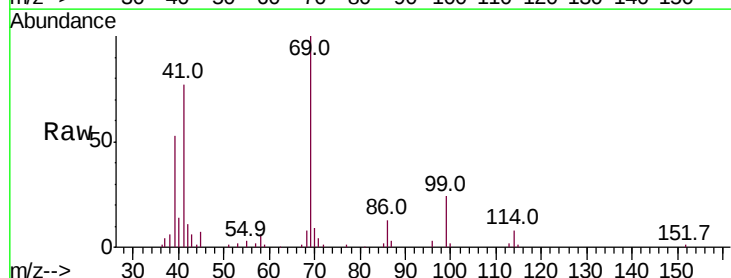
Tgt Ion: 69 Resp: 142443

Ion Ratio Lower Upper

69 100

41 77.2 68.8 103.2

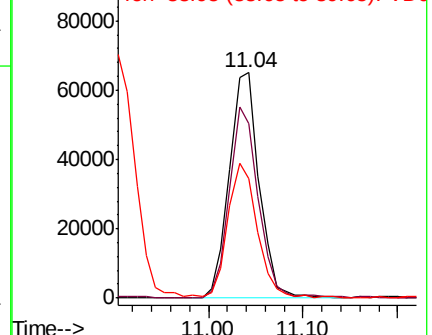
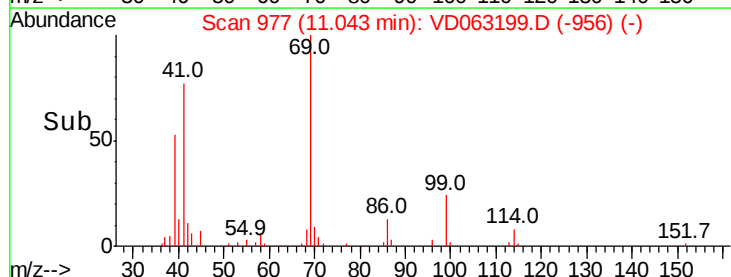
39 53.0 45.8 68.8

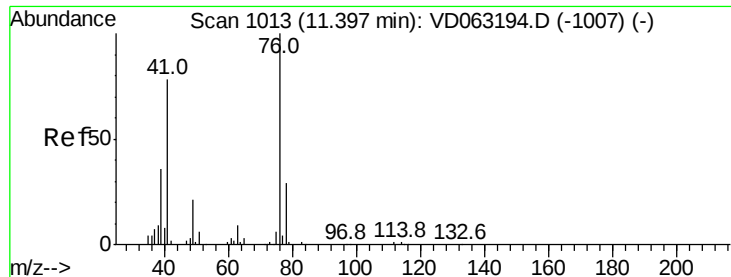


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.139 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

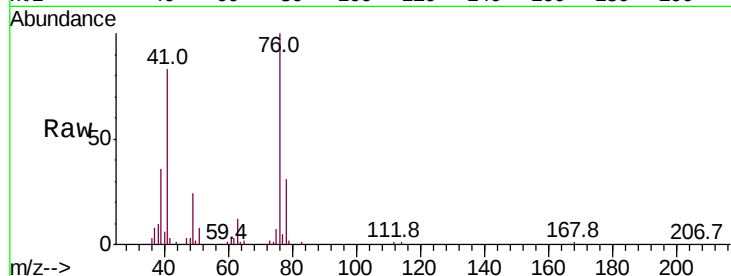
VD0729SBS01

Tot Ion: 76 Resp: 190514

Ion Ratio Lower Upper

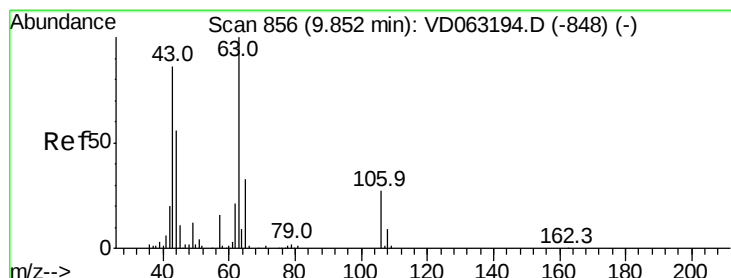
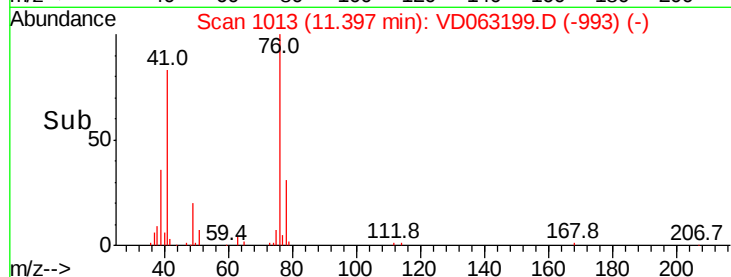
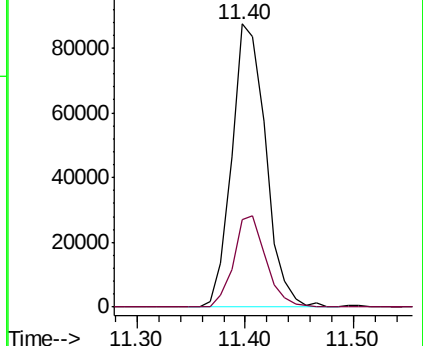
76 100

78 30.9 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.829 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063199.D

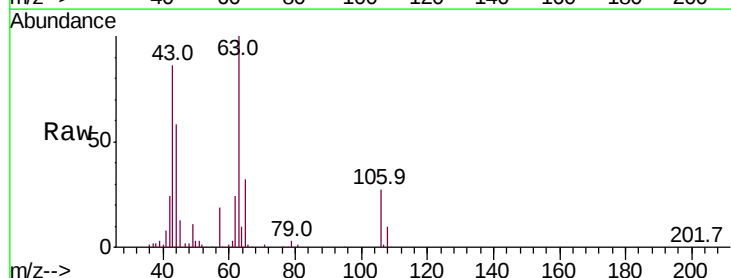
Acq: 29 Jul 2019 15:18

Tgt Ion: 63 Resp: 348174

Ion Ratio Lower Upper

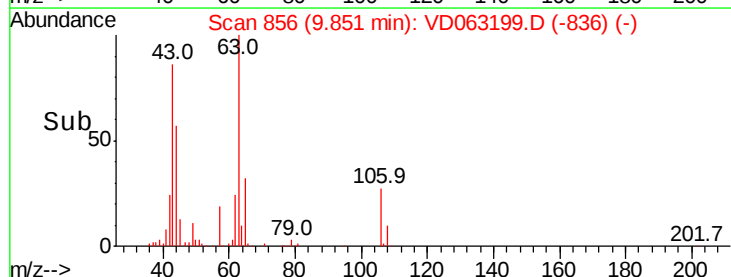
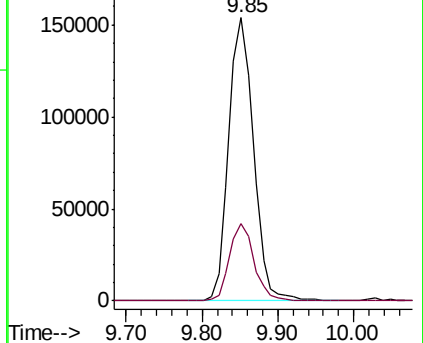
63 100

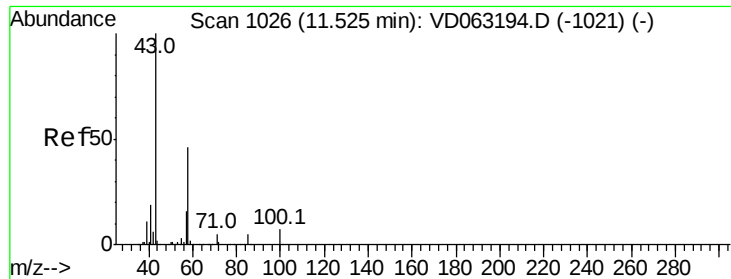
106 27.4 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

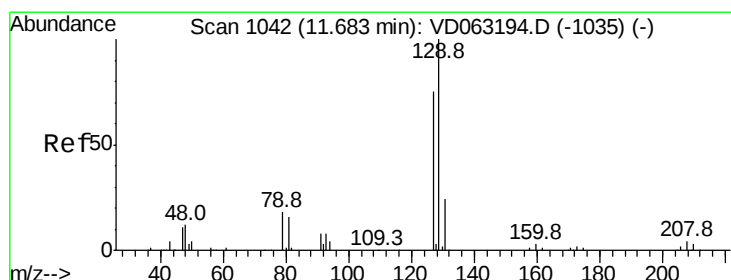
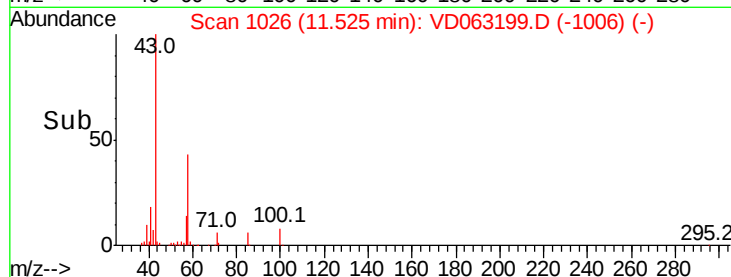
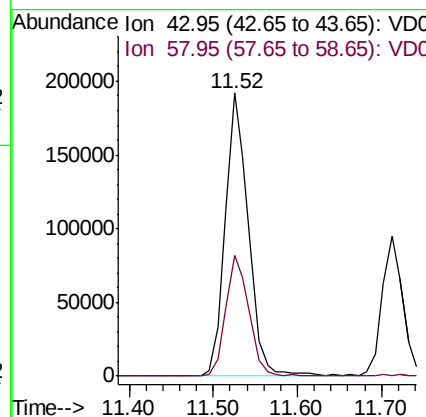
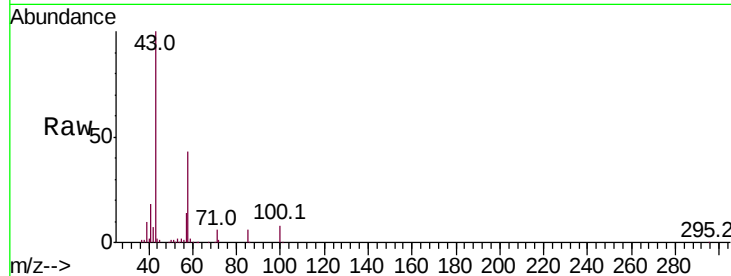




#59
2-Hexanone
Concen: 106.616 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

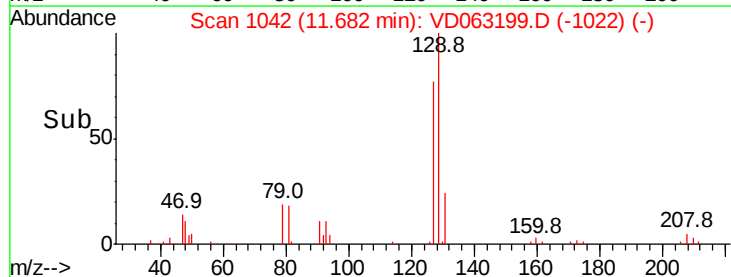
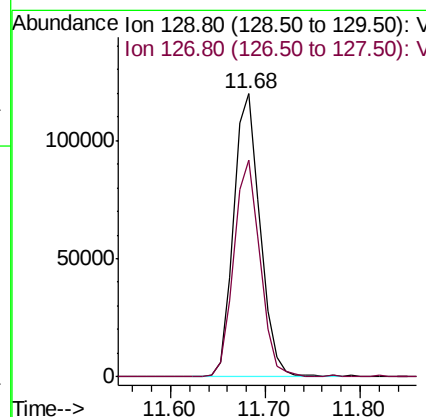
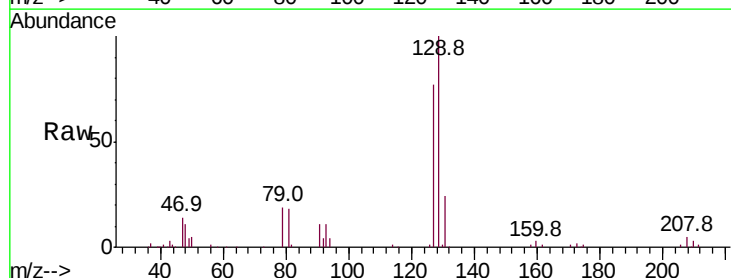
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

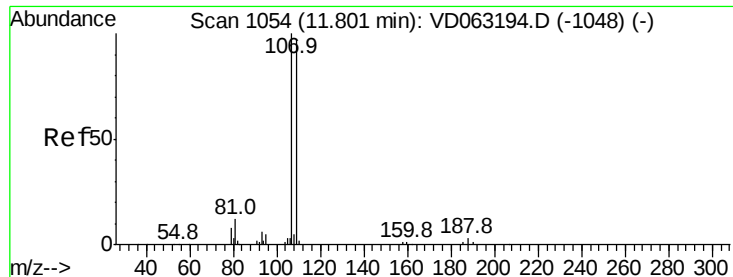
Tot Ion: 43 Resp: 364340
Ion Ratio Lower Upper
43 100
58 42.6 22.9 68.5



#60
Dibromochloromethane
Concen: 21.525 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion:129 Resp: 232435
Ion Ratio Lower Upper
129 100
127 76.7 37.6 112.8





#61

1,2-Dibromoethane

Concen: 21.373 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

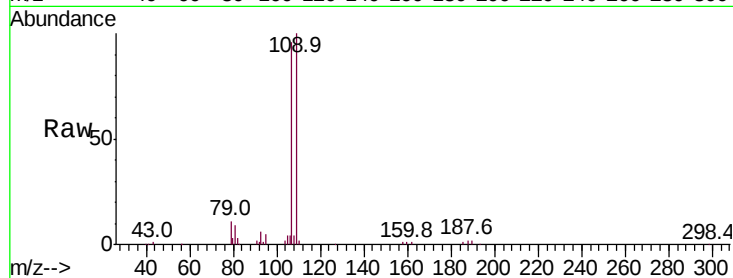
VD0729SBS01

Tot Ion:107 Resp: 150854

Ion Ratio Lower Upper

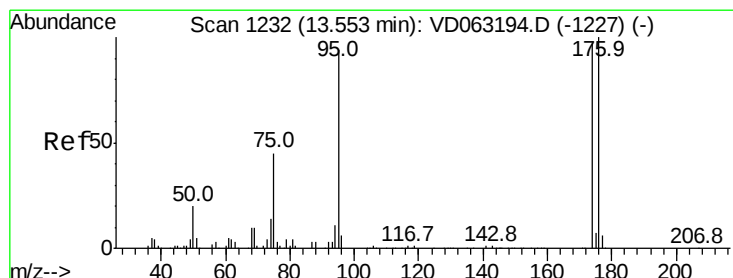
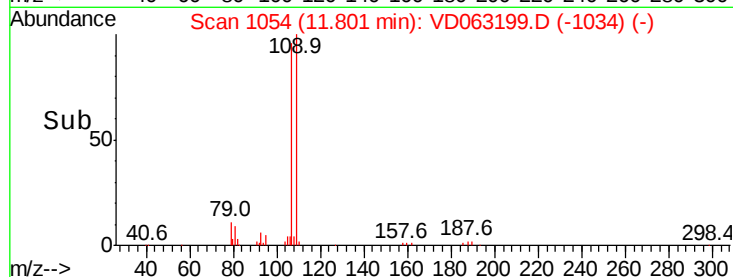
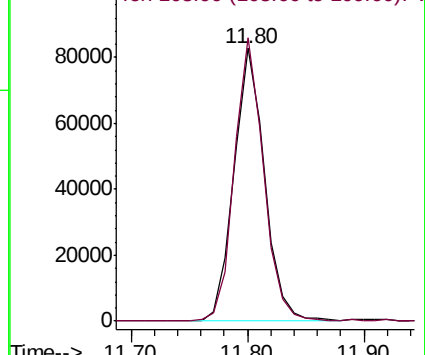
107 100

109 103.8 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 55.542 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

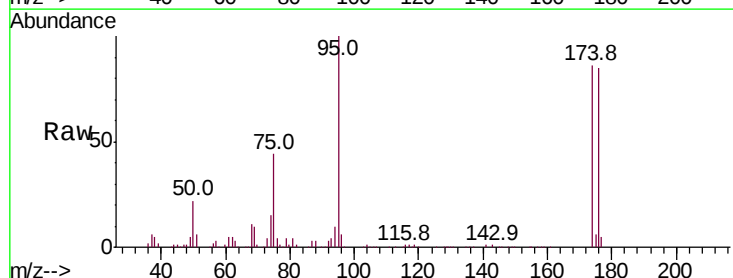
Tgt Ion: 95 Resp: 643861

Ion Ratio Lower Upper

95 100

174 86.3 0.0 205.4

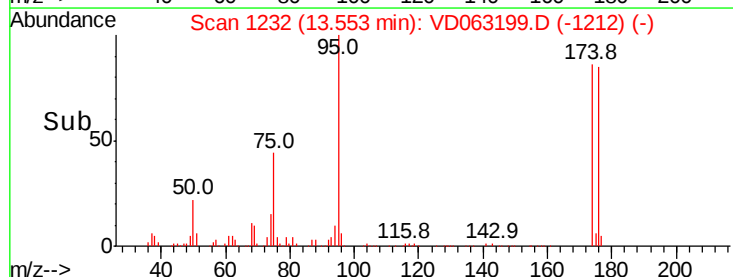
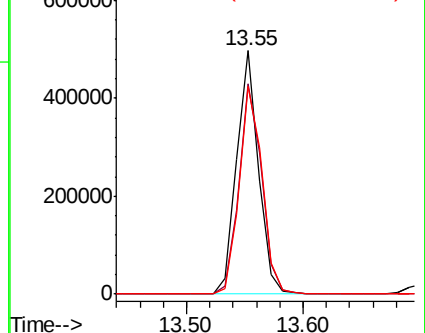
176 85.4 0.0 211.8

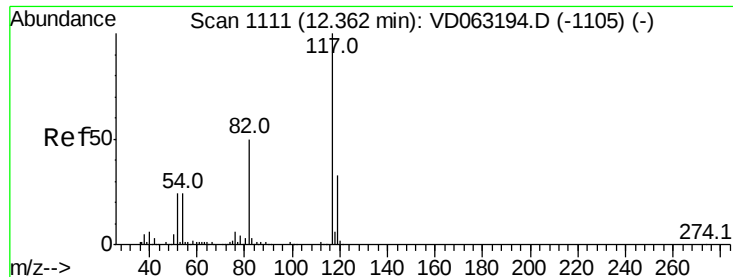


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

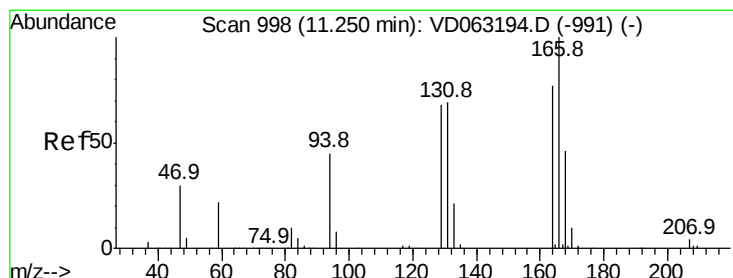
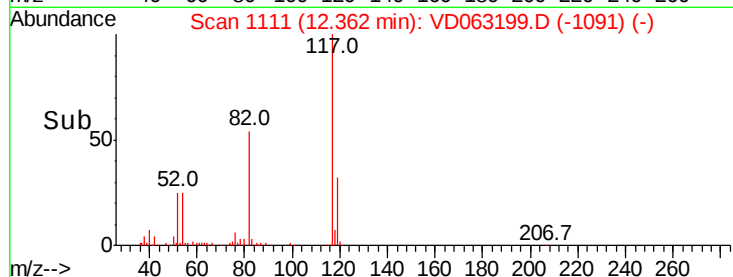
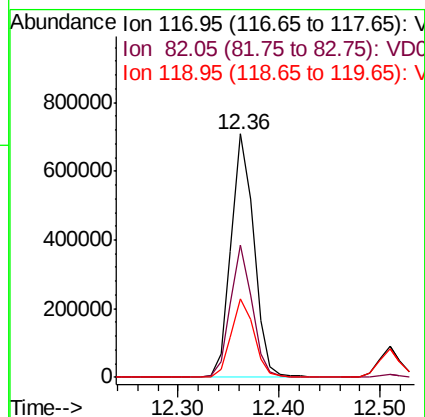
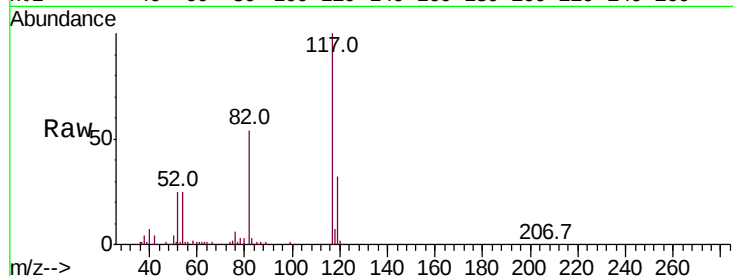




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

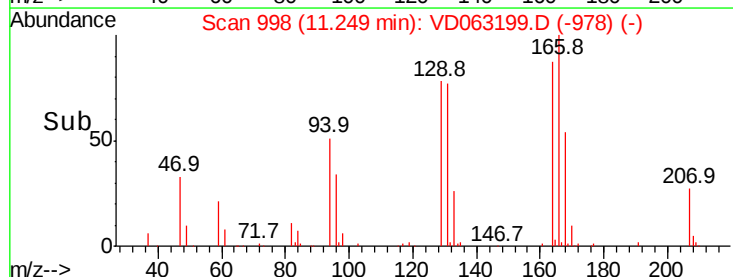
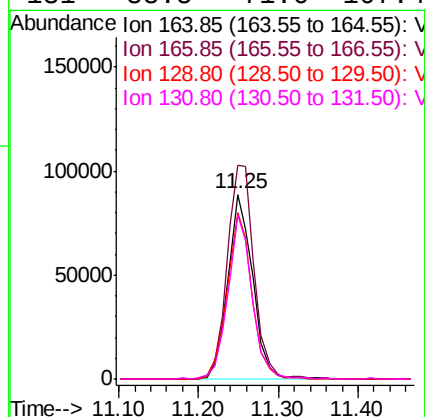
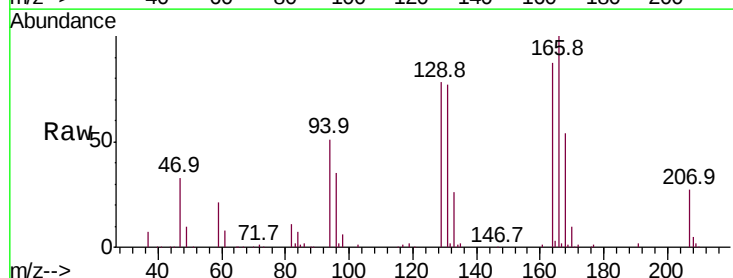
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

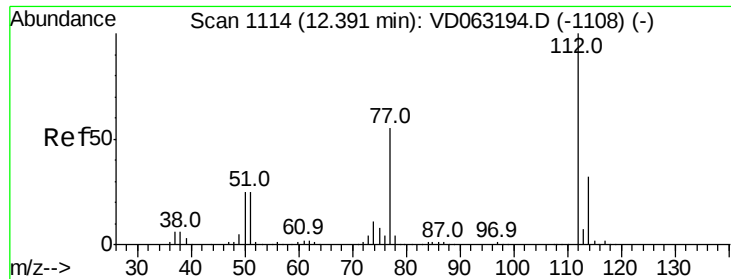
Tot Ion:117 Resp: 1117474
Ion Ratio Lower Upper
117 100
82 54.1 40.1 60.1
119 32.1 26.5 39.7



#64
Tetrachloroethene
Concen: 21.878 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion:164 Resp: 194770
Ion Ratio Lower Upper
164 100
166 115.5 104.3 156.5
129 89.7 70.9 106.3
131 88.5 71.6 107.4

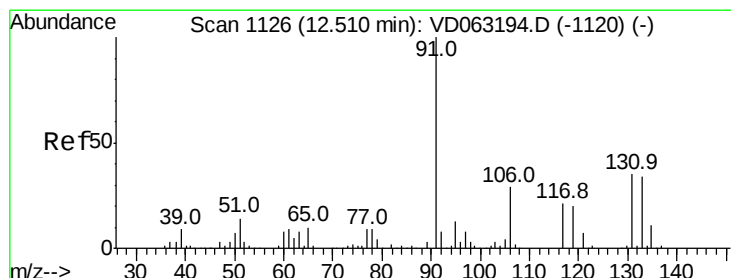
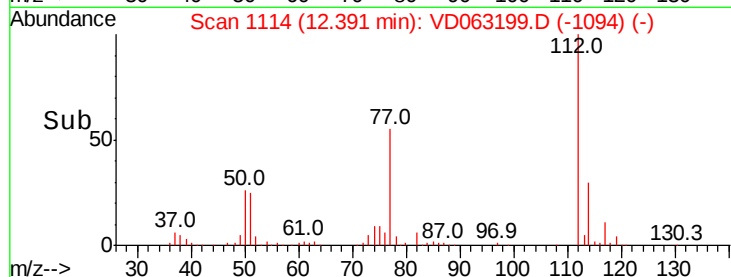
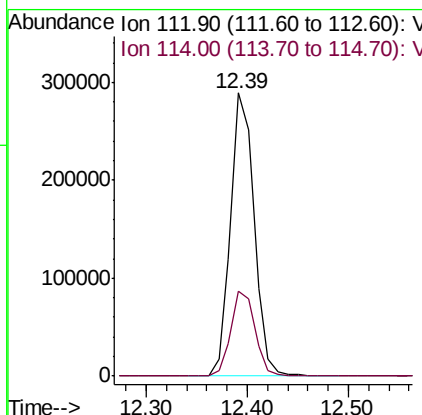
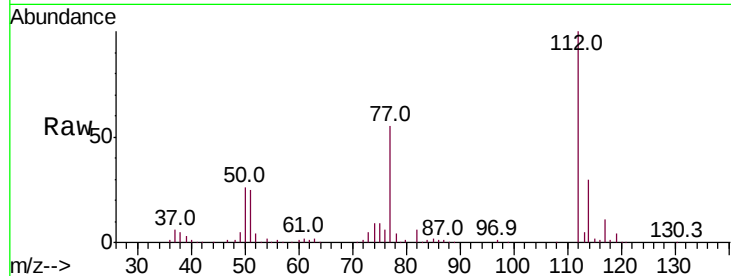




#65
Chlorobenzene
Concen: 21.912 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

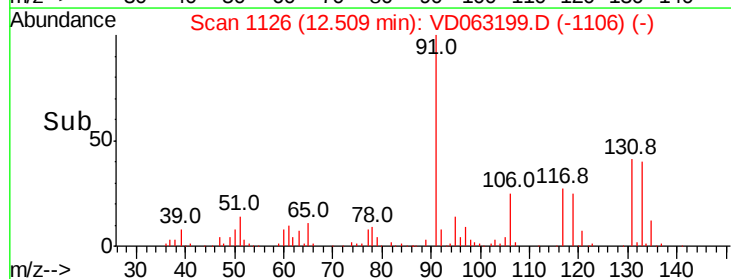
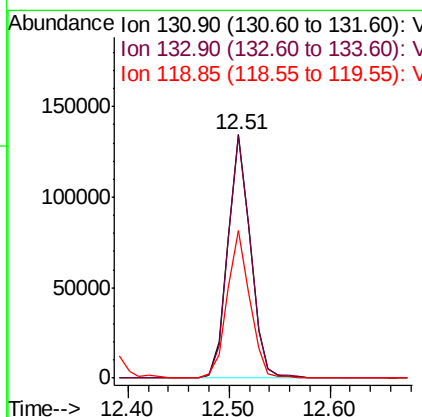
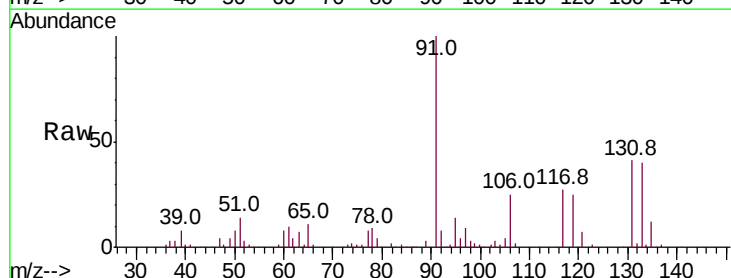
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

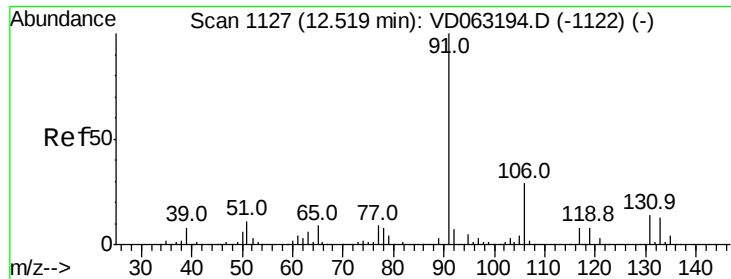
Tot Ion:112 Resp: 470979
Ion Ratio Lower Upper
112 100
114 29.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.022 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion:131 Resp: 208498
Ion Ratio Lower Upper
131 100
133 99.4 48.4 145.2
119 60.8 29.1 87.3

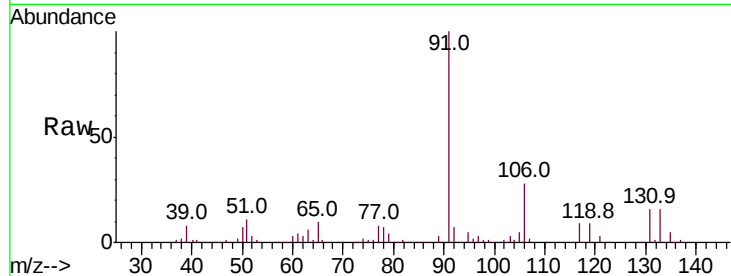




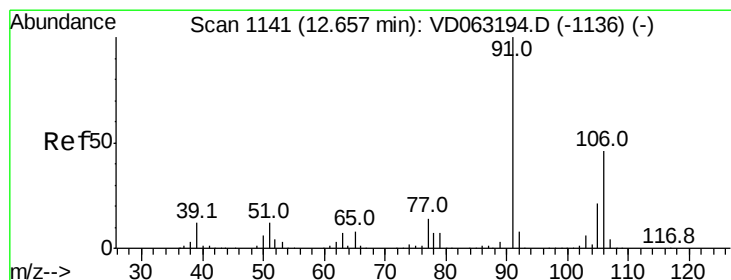
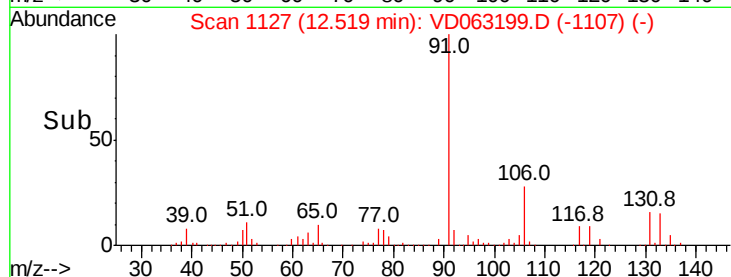
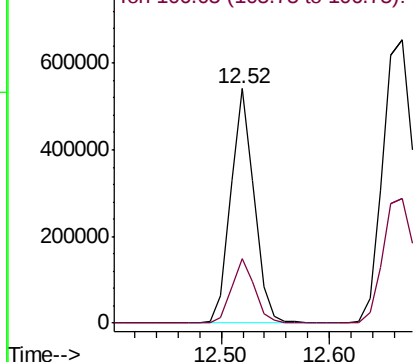
#67
Ethyl Benzene
Concen: 22.365 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion: 91 Resp: 816622
Ion Ratio Lower Upper
91 100
106 27.6 22.9 34.3

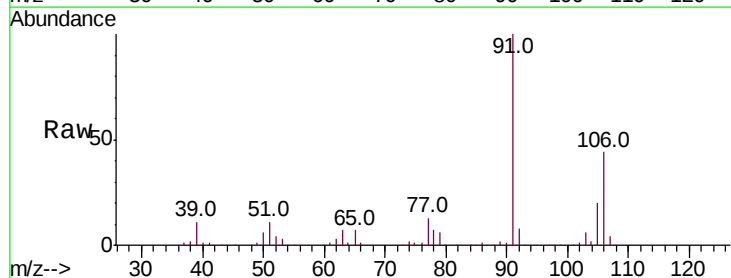


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

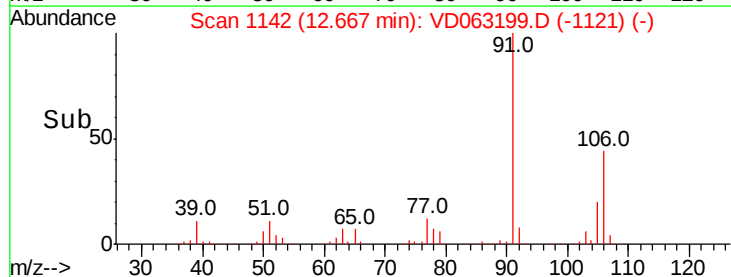
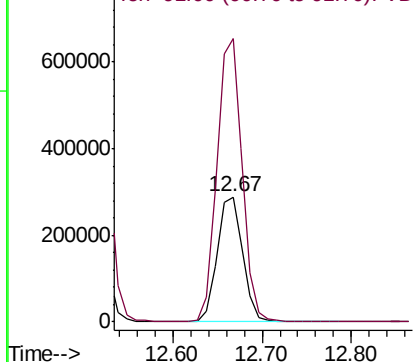


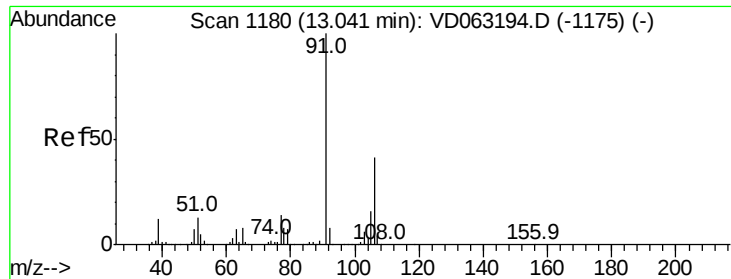
#68
m/p-Xylenes
Concen: 43.313 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion: 106 Resp: 579993
Ion Ratio Lower Upper
106 100
91 226.4 172.6 259.0



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

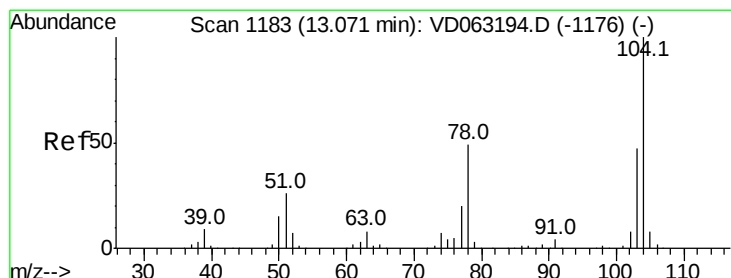
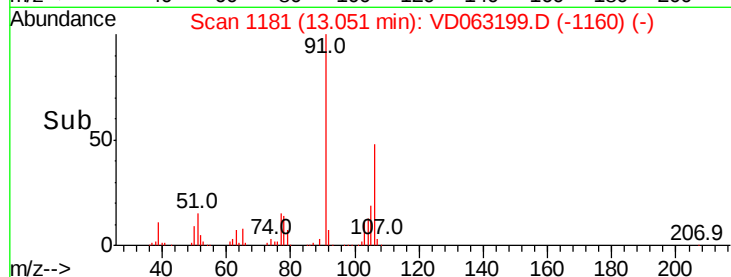
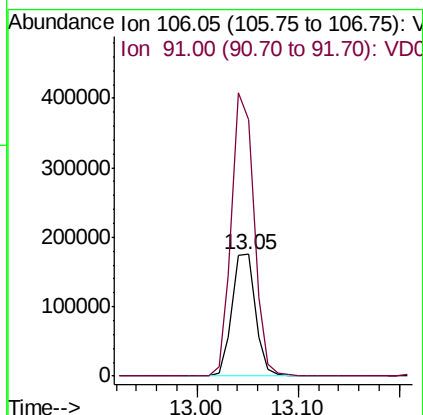
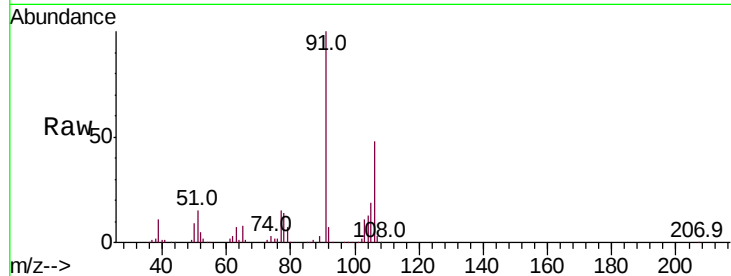




#69
o-Xylene
Concen: 22.960 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

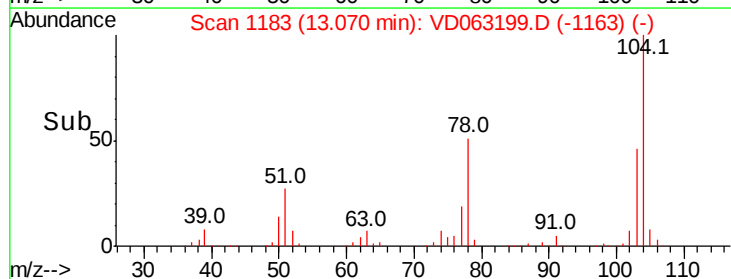
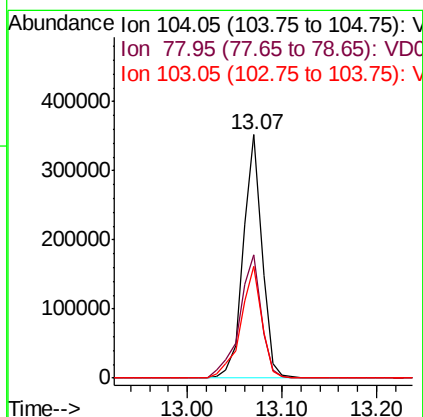
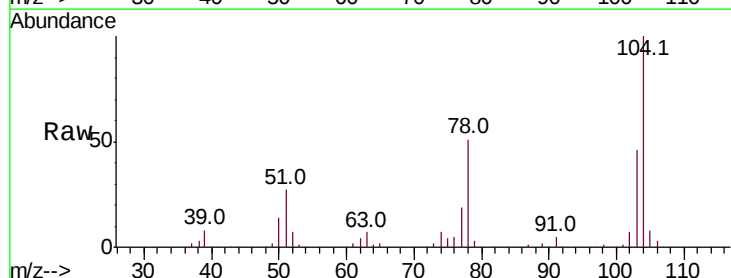
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

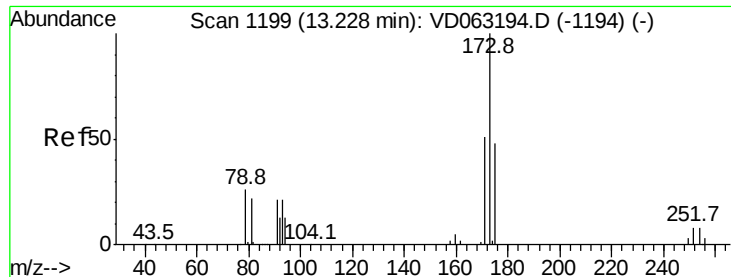
Tot Ion:106 Resp: 282338
Ion Ratio Lower Upper
106 100
91 210.4 121.3 363.9



#70
Styrene
Concen: 22.160 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063199.D
Acq: 29 Jul 2019 15:18

Tgt Ion:104 Resp: 483257
Ion Ratio Lower Upper
104 100
78 50.6 39.4 59.0
103 45.8 37.4 56.2





#71

Bromoform

Concen: 19.883 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

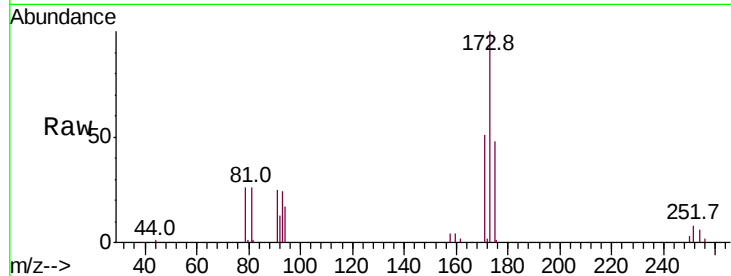
Tot Ion:173 Resp: 136901

Ion Ratio Lower Upper

173 100

175 47.9 23.8 71.5

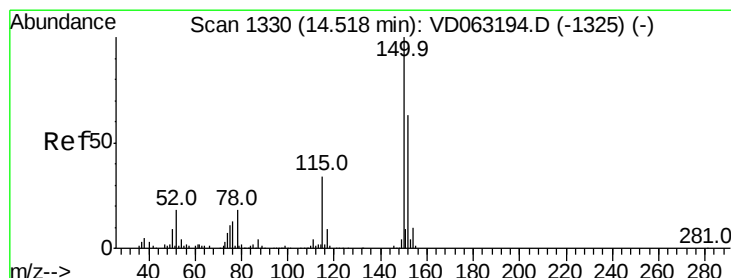
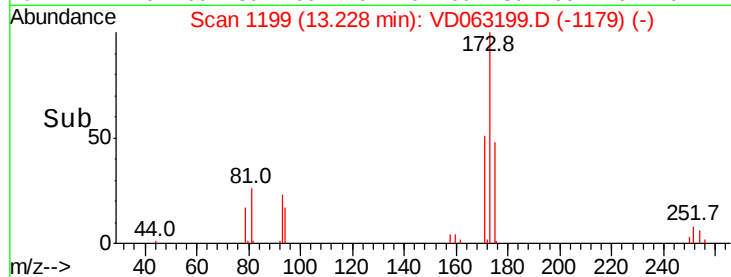
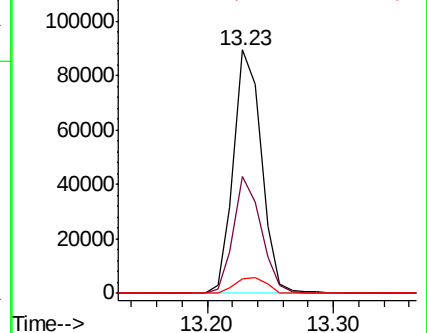
254 6.1 6.6 10.0#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

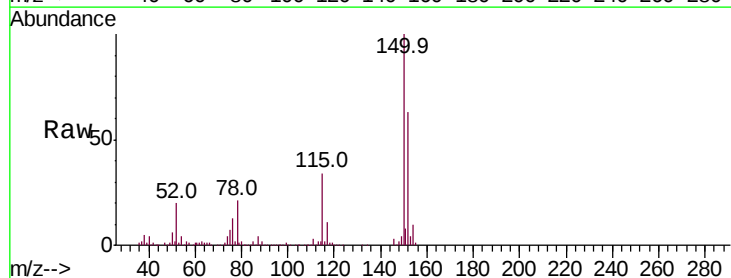
Tgt Ion:152 Resp: 600529

Ion Ratio Lower Upper

152 100

115 54.5 27.5 82.4

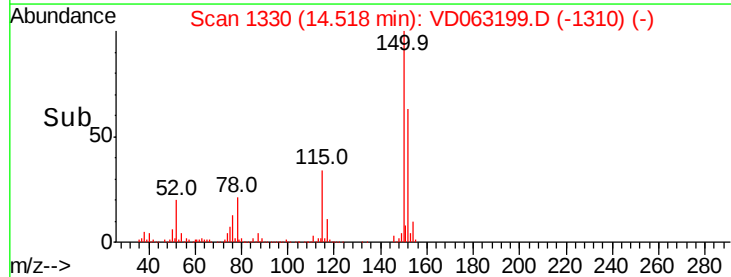
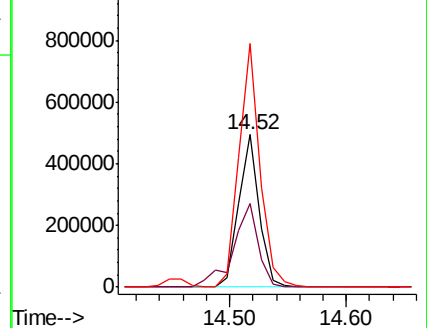
150 159.5 0.0 320.6

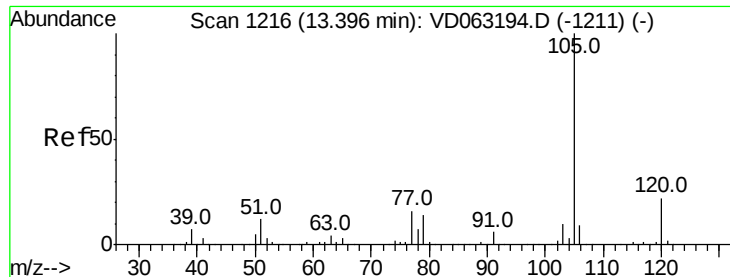


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.503 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

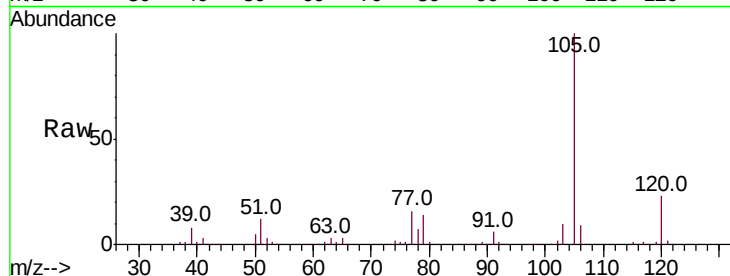
VD0729SBS01

Tot Ion:105 Resp: 810481

Ion Ratio Lower Upper

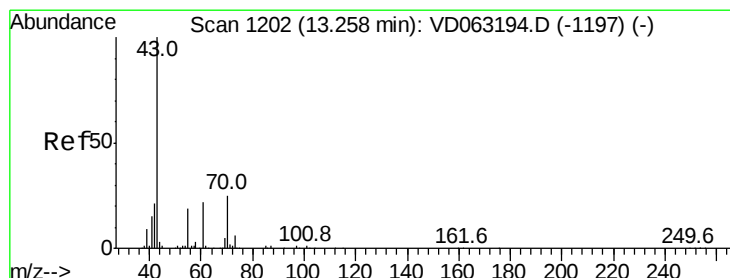
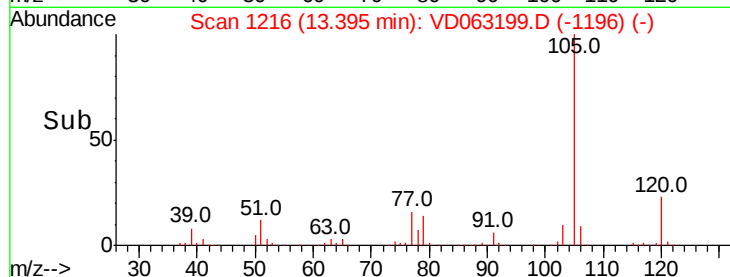
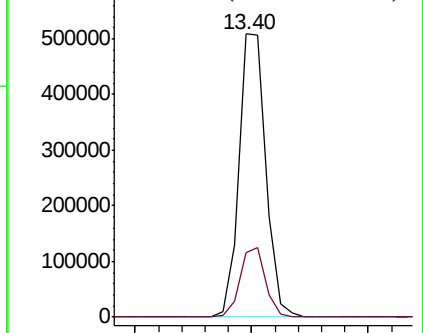
105 100

120 22.9 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.321 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Tgt Ion: 43 Resp: 212438

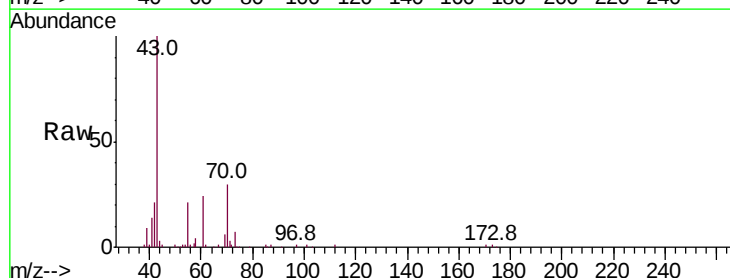
Ion Ratio Lower Upper

43 100

70 30.2 20.2 30.4

55 21.4 14.9 22.3

61 23.7 17.9 26.9

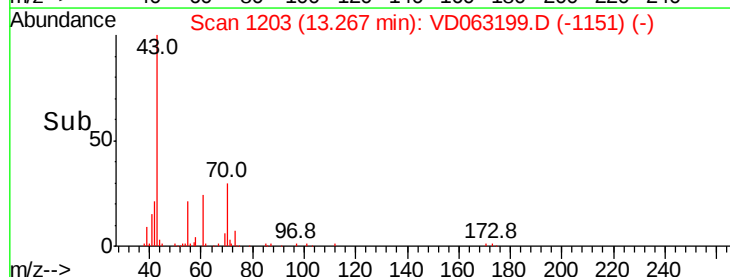
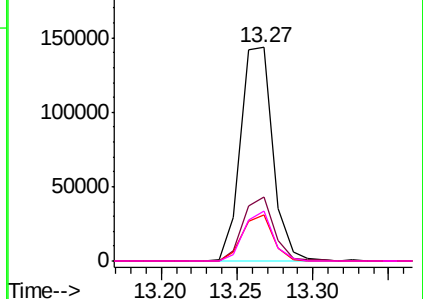


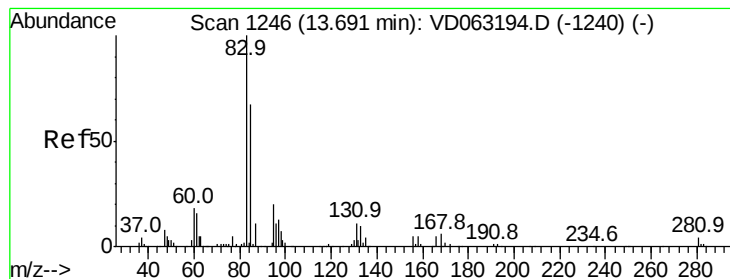
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.469 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

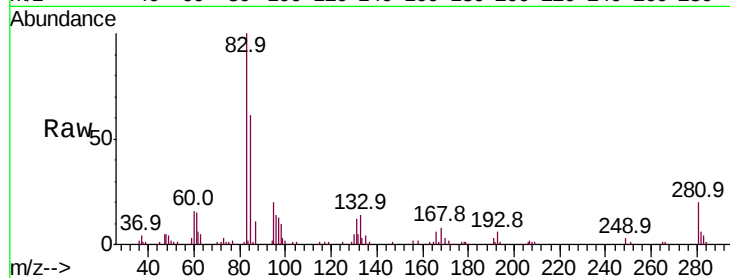
Tot Ion: 83 Resp: 143857

Ion Ratio Lower Upper

83 100

131 12.4 5.5 16.7

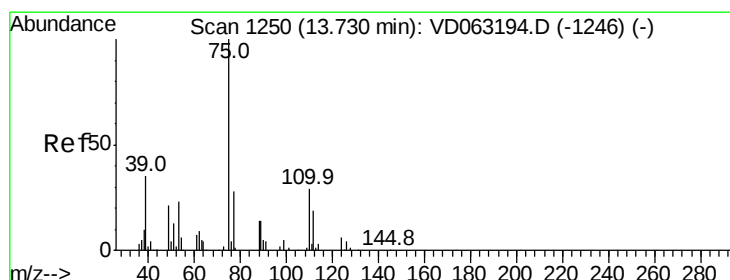
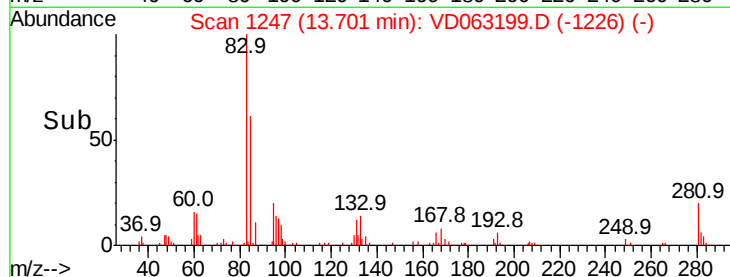
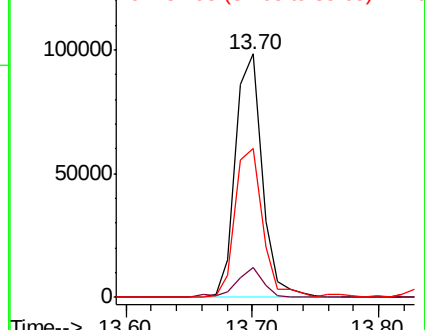
85 61.4 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.907 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063199.D

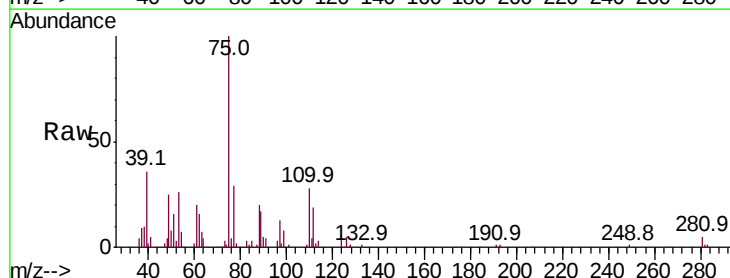
Acq: 29 Jul 2019 15:18

Tgt Ion: 75 Resp: 158020

Ion Ratio Lower Upper

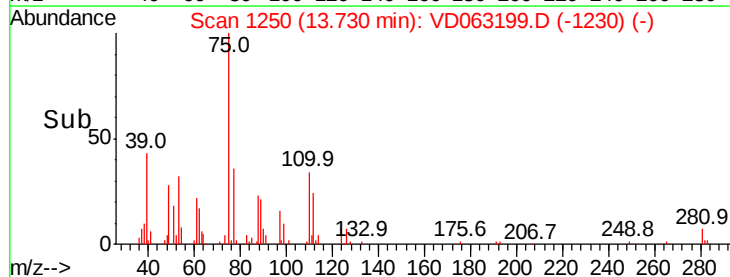
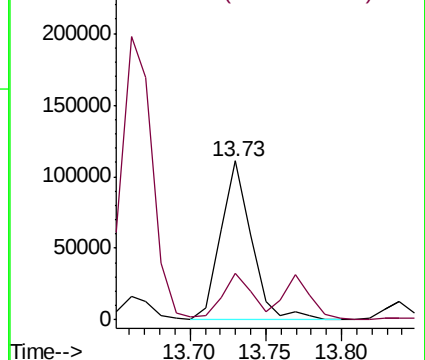
75 100

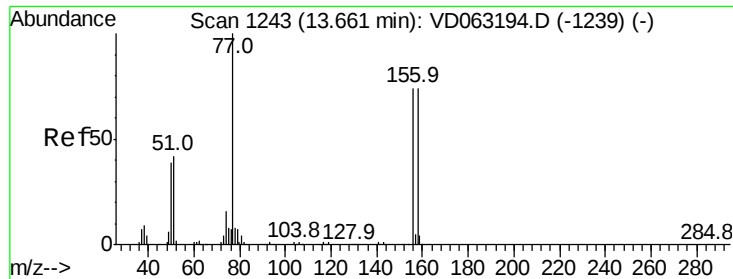
77 29.4 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.572 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

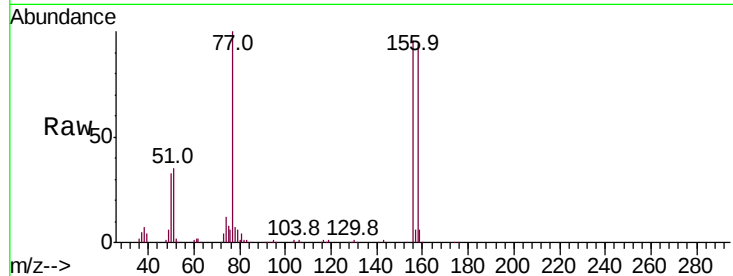
Tot Ion:156 Resp: 231620

Ion Ratio Lower Upper

156 100

77 103.8 67.6 202.8

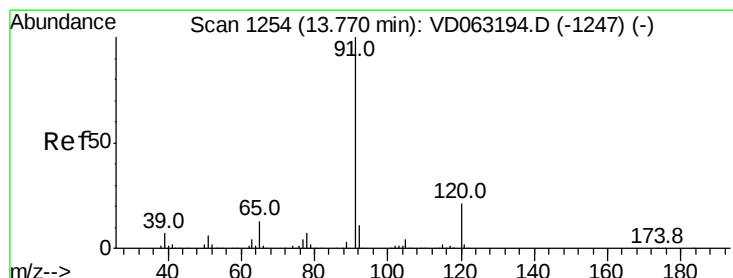
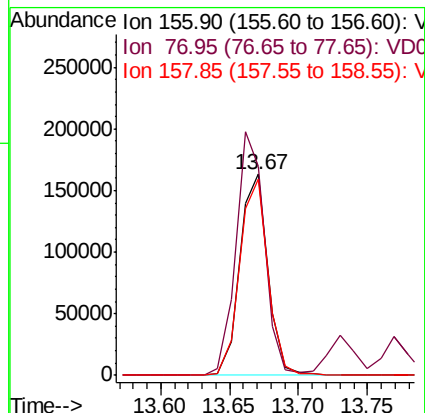
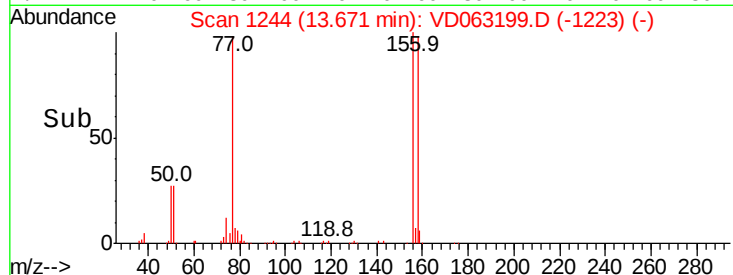
158 97.9 49.8 149.4



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: 21.191 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063199.D

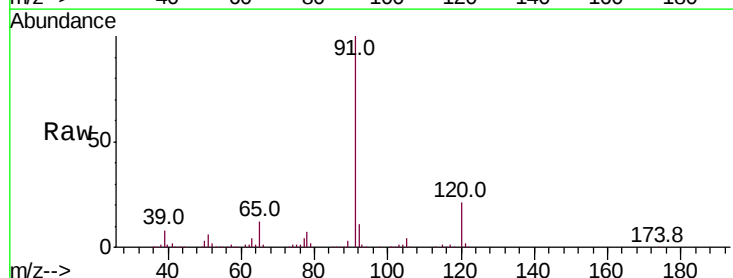
Acq: 29 Jul 2019 15:18

Tgt Ion: 91 Resp: 950467

Ion Ratio Lower Upper

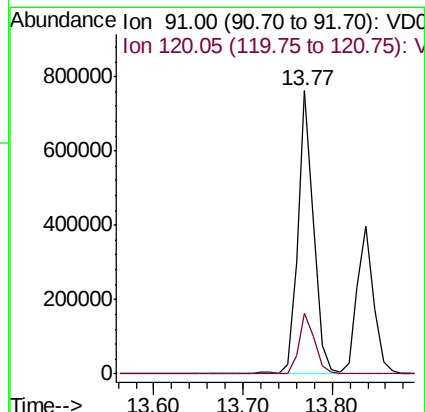
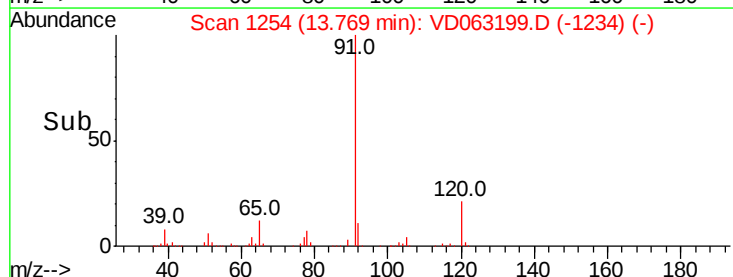
91 100

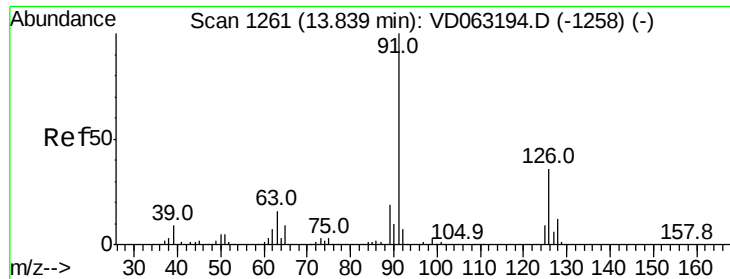
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

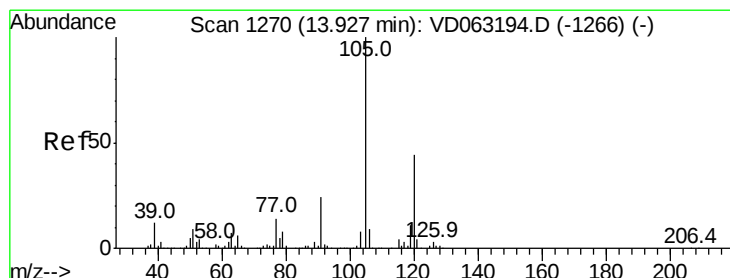
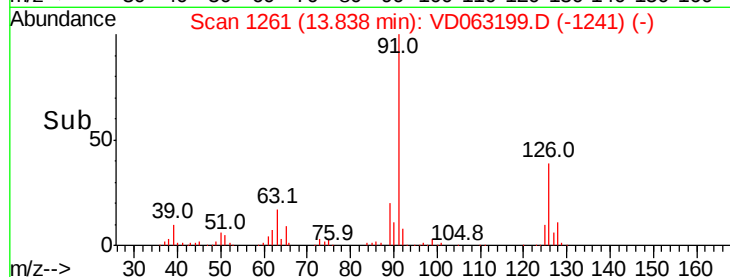
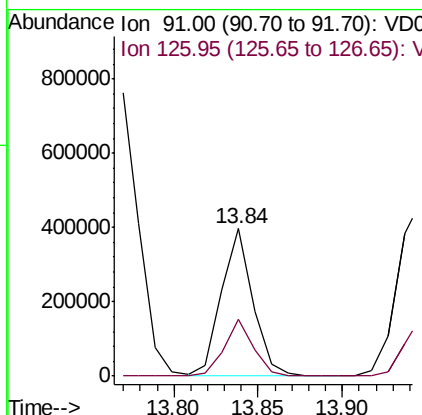
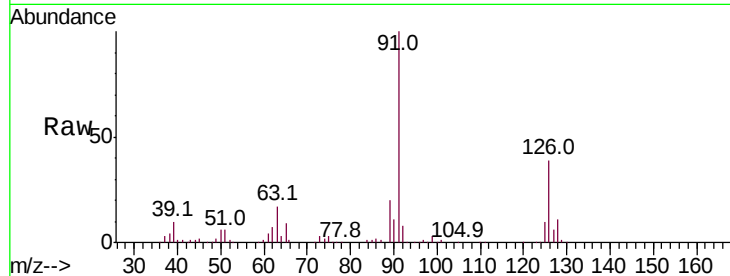




#79
 2-Chlorotoluene
 Concen: 19.829 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

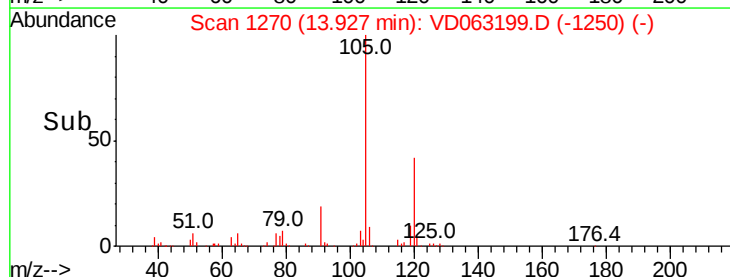
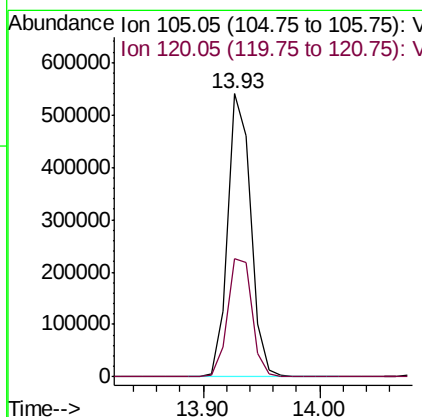
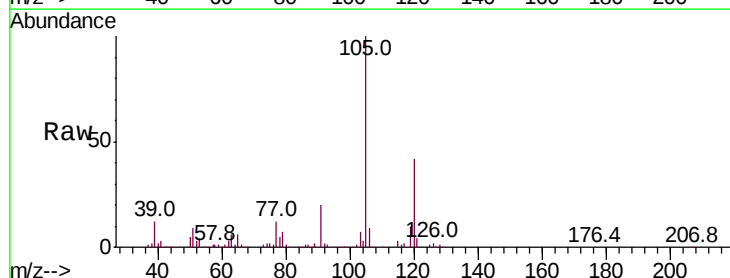
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

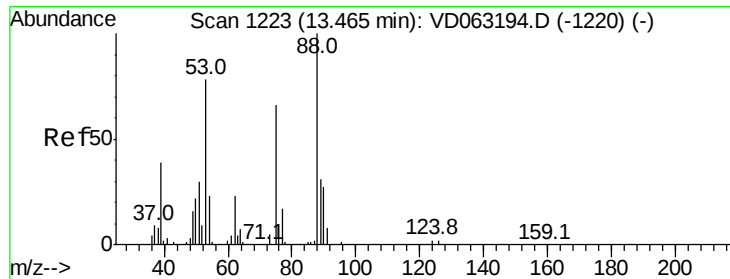
Tot Ion: 91 Resp: 515343
 Ion Ratio Lower Upper
 91 100
 126 38.7 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.768 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Tgt Ion:105 Resp: 740160
 Ion Ratio Lower Upper
 105 100
 120 41.6 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.043 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

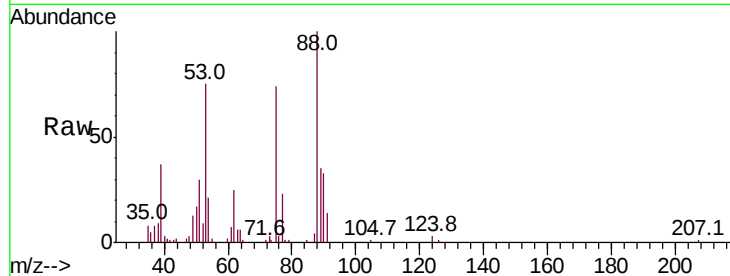
Tot Ion: 75 Resp: 44150

Ion Ratio Lower Upper

75 100

53 101.8 94.9 142.3

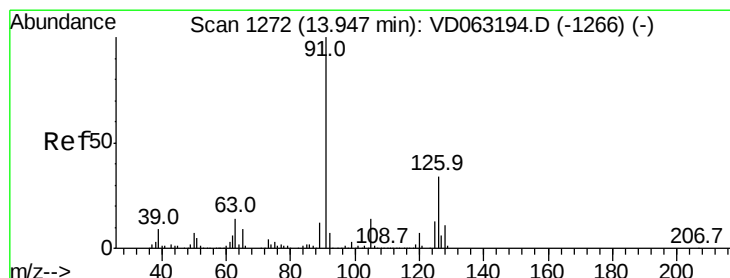
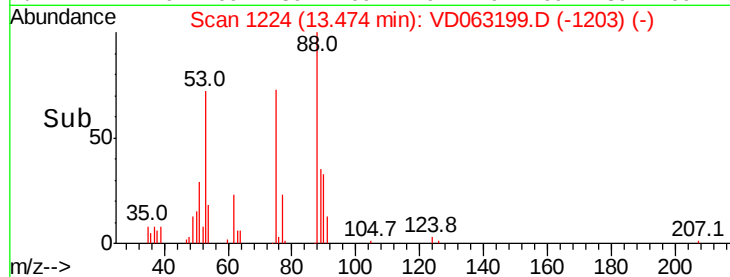
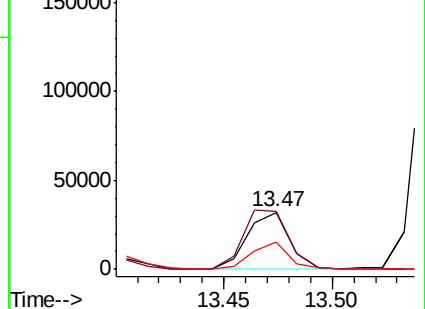
89 47.8 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.294 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063199.D

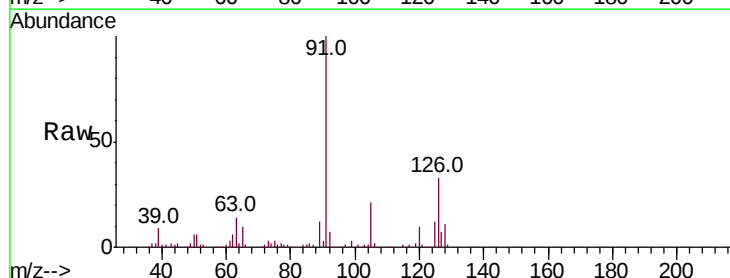
Acq: 29 Jul 2019 15:18

Tgt Ion: 91 Resp: 681899

Ion Ratio Lower Upper

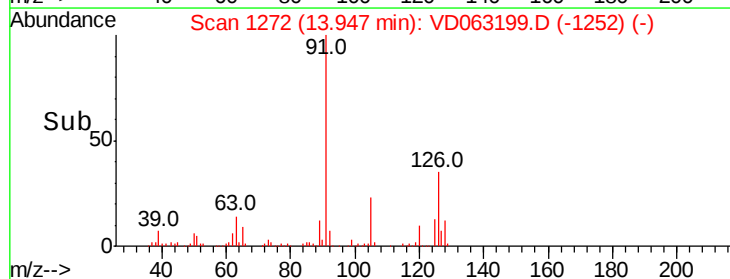
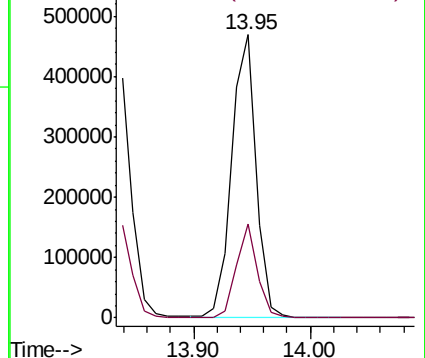
91 100

126 33.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 21.670 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

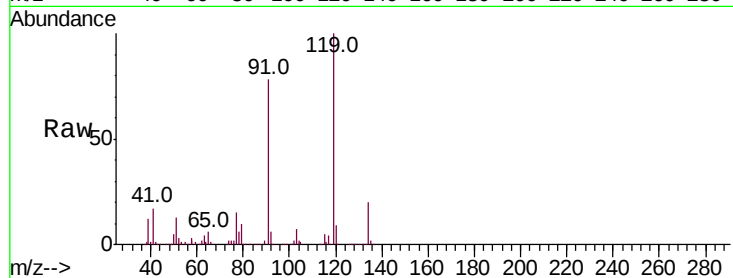
Tot Ion:119 Resp: 804343

Ion Ratio Lower Upper

119 100

91 78.0 39.1 117.5

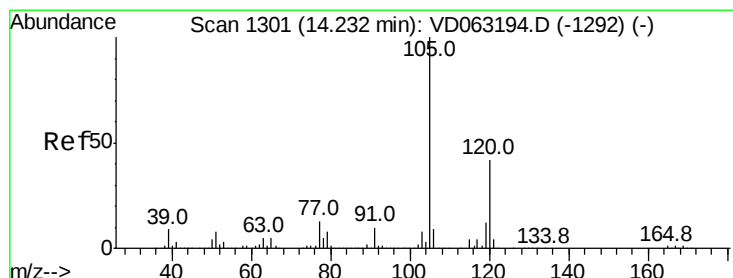
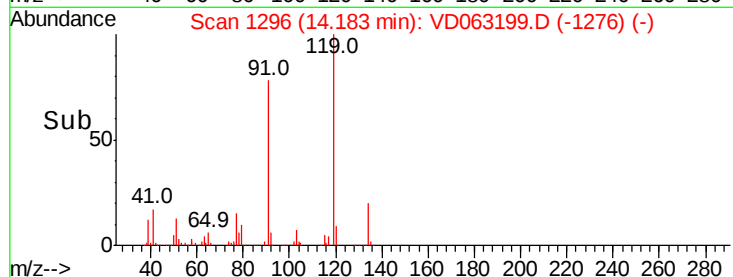
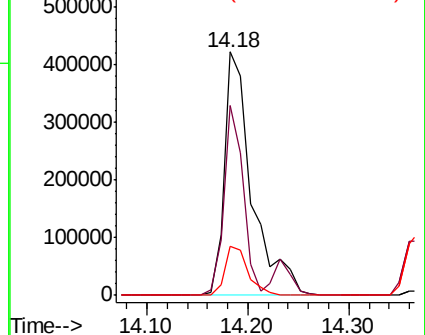
134 20.3 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.356 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063199.D

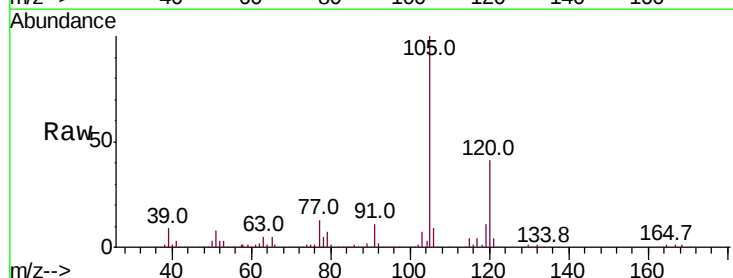
Acq: 29 Jul 2019 15:18

Tgt Ion:105 Resp: 718098

Ion Ratio Lower Upper

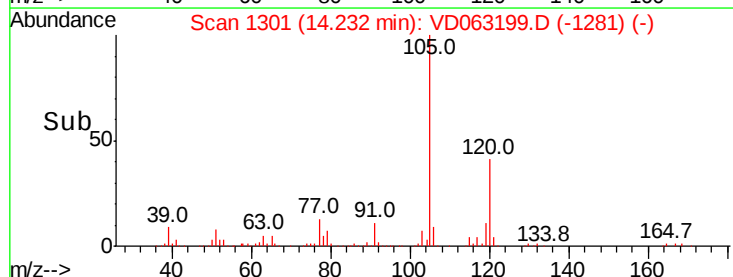
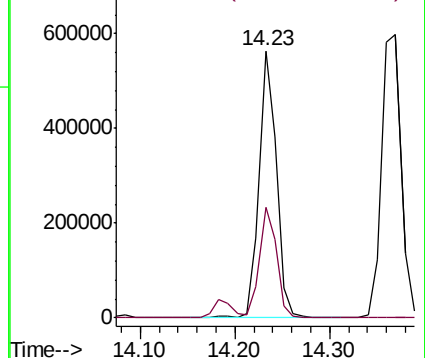
105 100

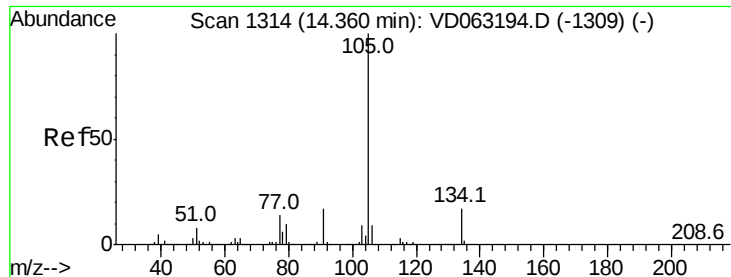
120 41.4 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 22.039 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

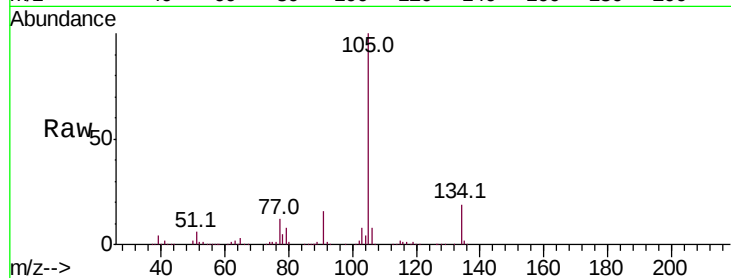
VD0729SBS01

Tot Ion:105 Resp: 861871

Ion Ratio Lower Upper

105 100

134 18.7 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

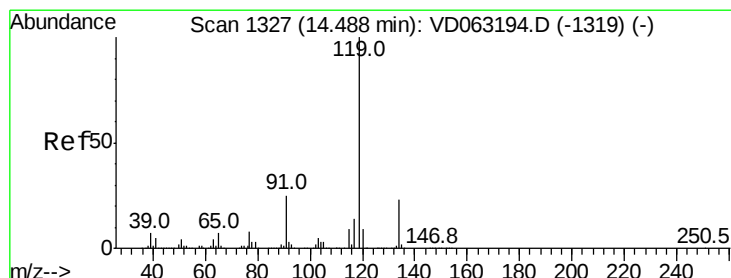
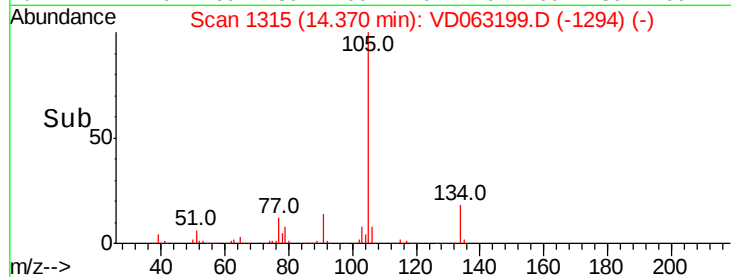
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.090 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

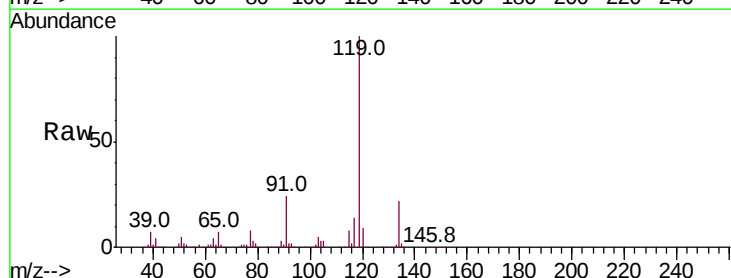
Tgt Ion:119 Resp: 824533

Ion Ratio Lower Upper

119 100

134 22.1 11.5 34.5

91 24.2 12.6 37.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.49

800000

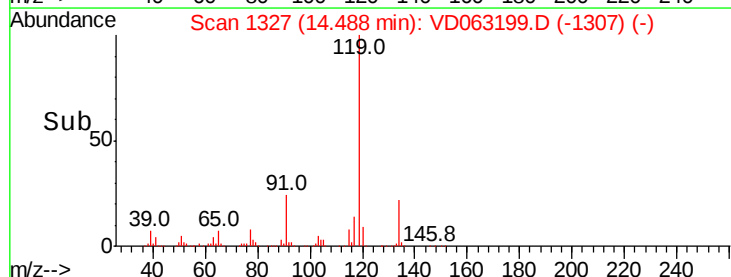
600000

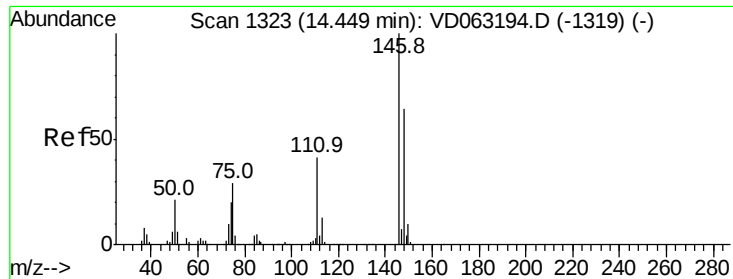
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.073 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

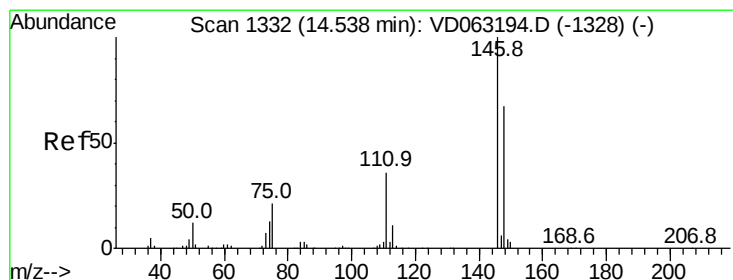
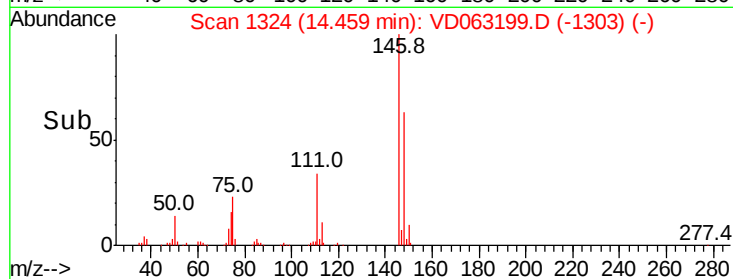
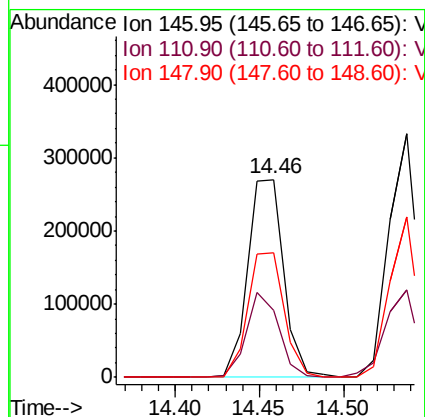
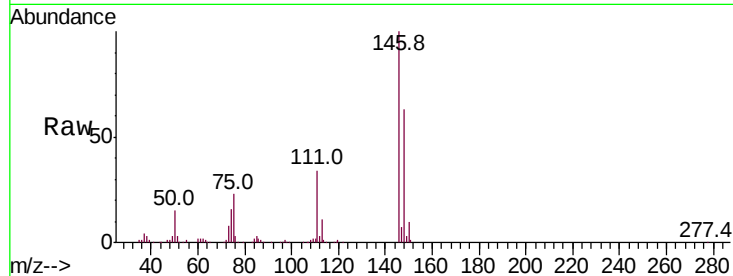
Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion:146 Resp: 400693

Ion	Ratio	Lower	Upper
146	100		
111	34.0	20.4	61.3
148	62.9	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 21.204 ug/l

RT: 14.54 min Scan# 1332

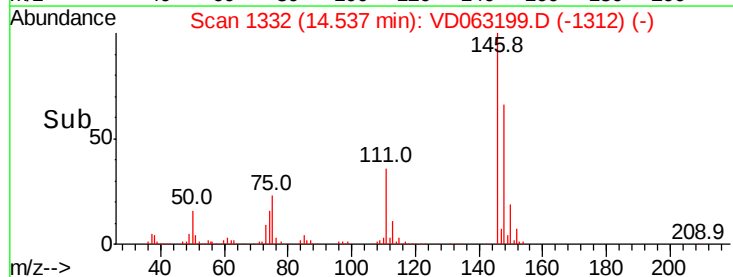
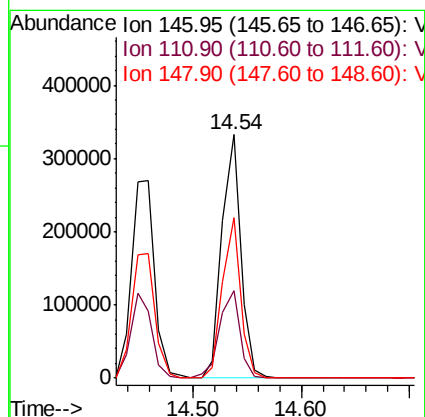
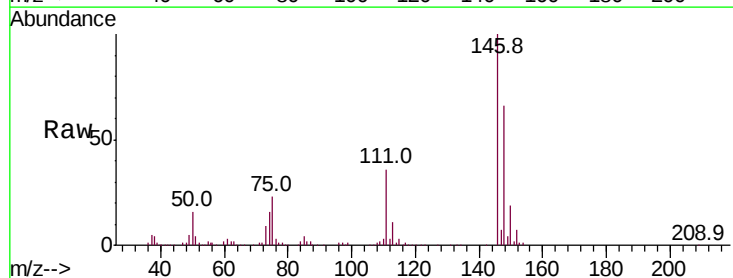
Delta R.T. -0.00 min

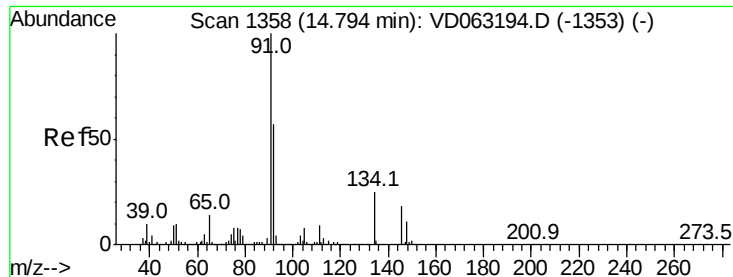
Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Tgt Ion:146 Resp: 407702

Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.3
148	65.7	33.4	100.1





#89

n-Butylbenzene

Concen: 21.710 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

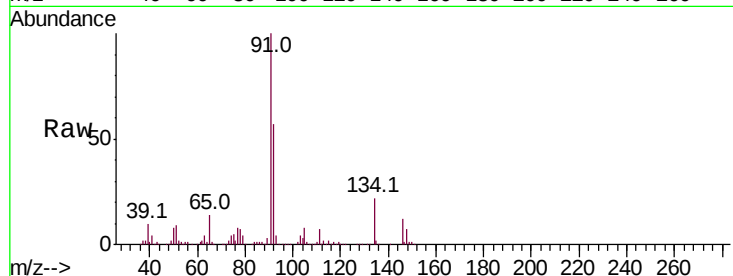
Tot Ion: 91 Resp: 699883

Ion Ratio Lower Upper

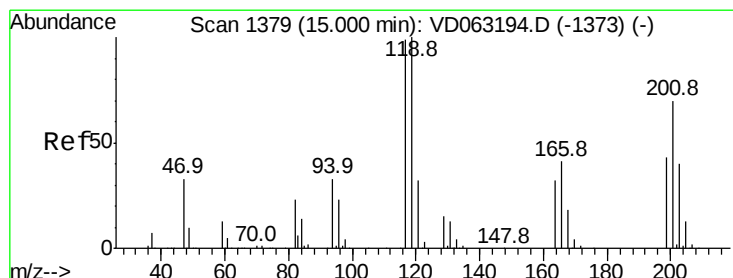
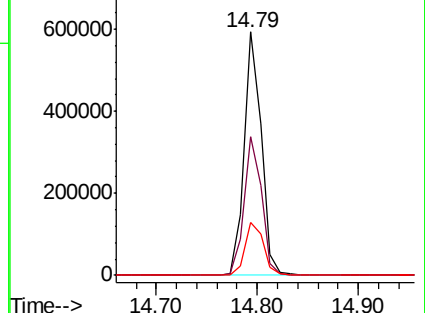
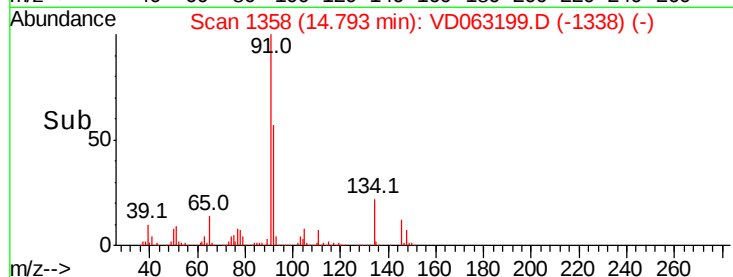
91 100

92 56.8 28.3 85.0

134 21.7 12.3 36.8



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



#90

Hexachloroethane

Concen: 20.627 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063199.D

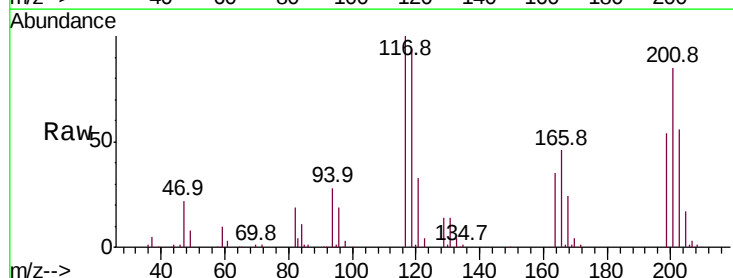
Acq: 29 Jul 2019 15:18

Tgt Ion: 117 Resp: 200593

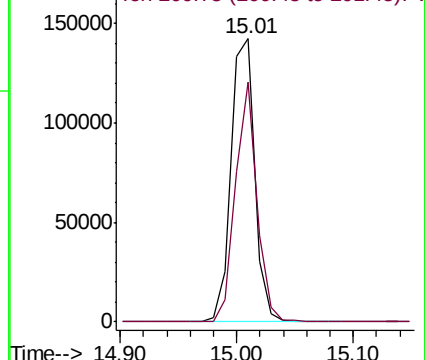
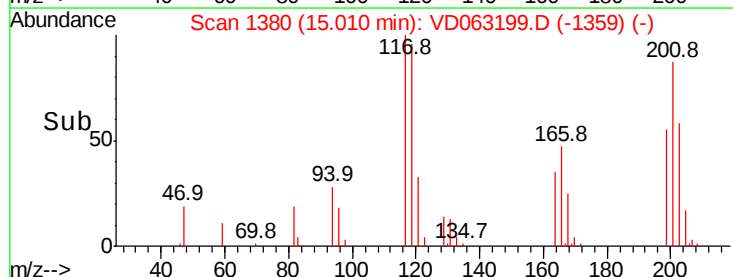
Ion Ratio Lower Upper

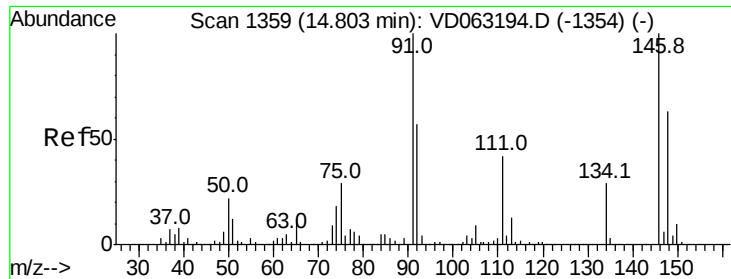
117 100

201 84.8 35.2 105.6



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

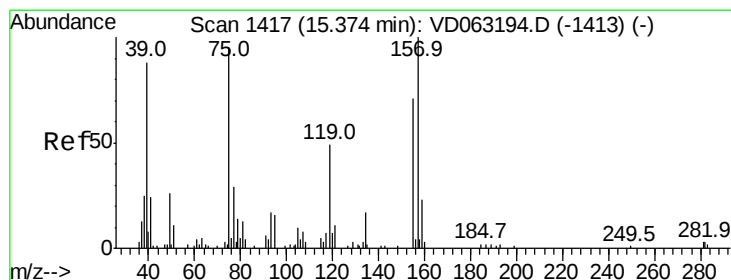
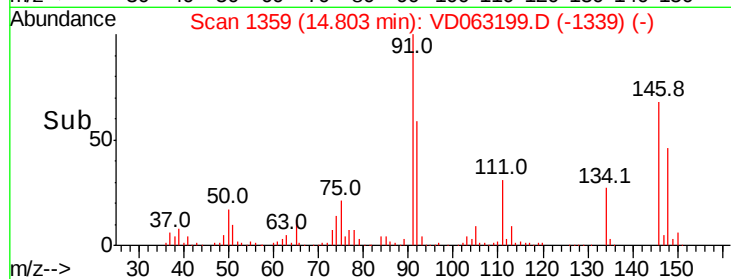
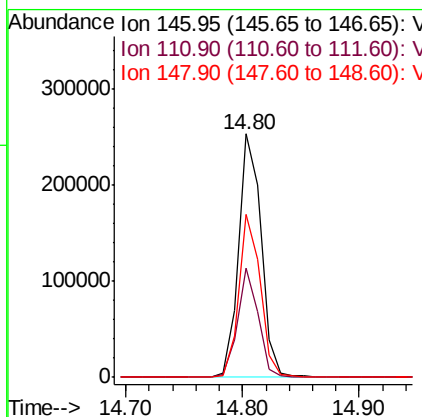
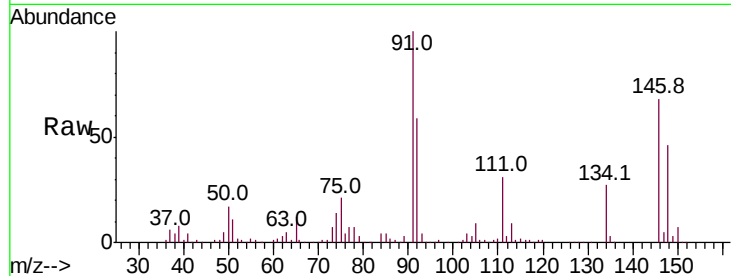




#91
 1,2-Dichlorobenzene
 Concen: 20.575 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

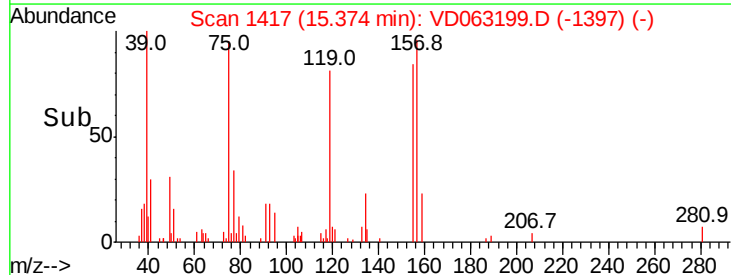
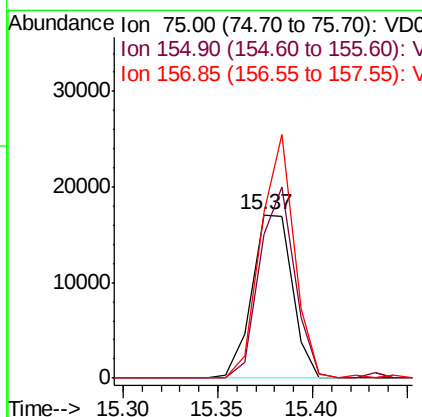
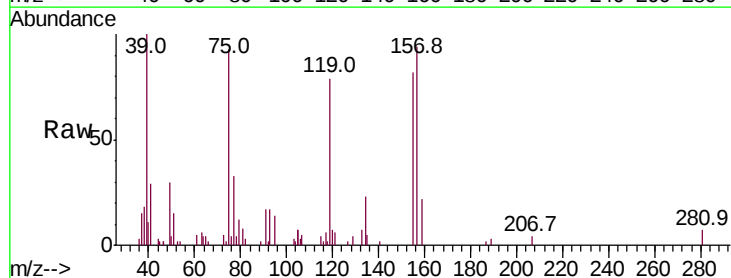
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

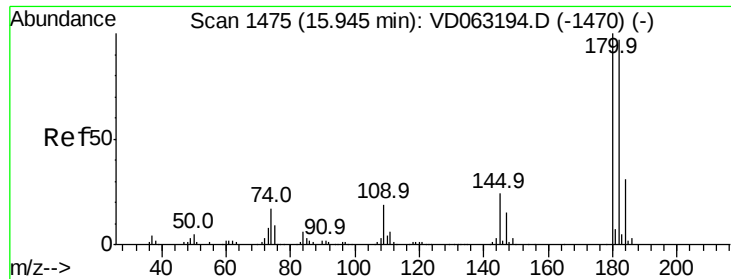
Tot Ion:146 Resp: 340870
 Ion Ratio Lower Upper
 146 100
 111 45.0 21.1 63.3
 148 67.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.339 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Tgt Ion: 75 Resp: 25220
 Ion Ratio Lower Upper
 75 100
 155 88.4 37.0 111.0
 157 101.2 52.4 157.2

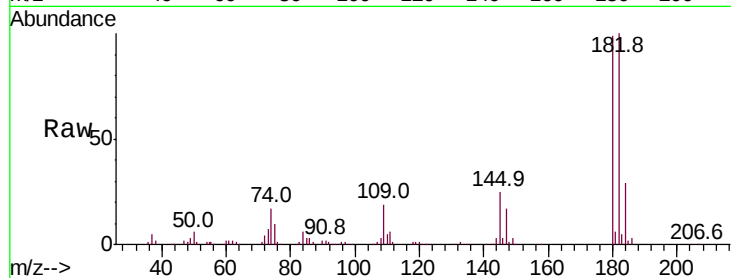




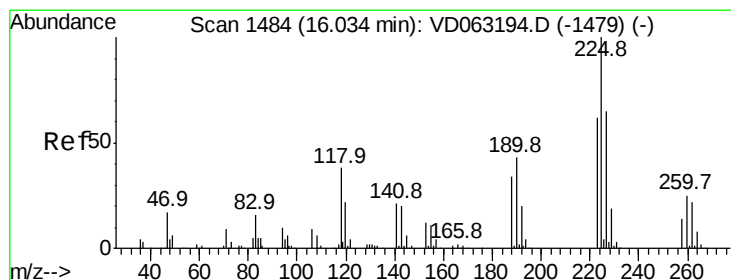
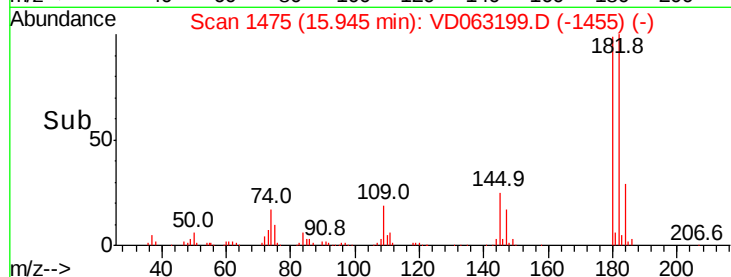
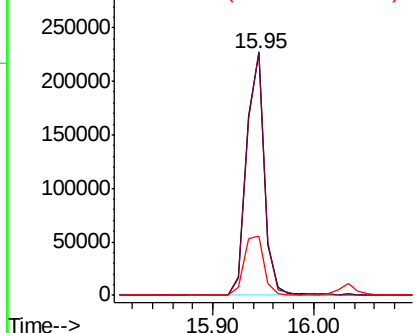
#93
 1,2,4-Trichlorobenzene
 Concen: 21.282 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion:180 Resp: 279698
 Ion Ratio Lower Upper
 180 100
 182 100.6 48.6 145.8
 145 24.6 12.2 36.6

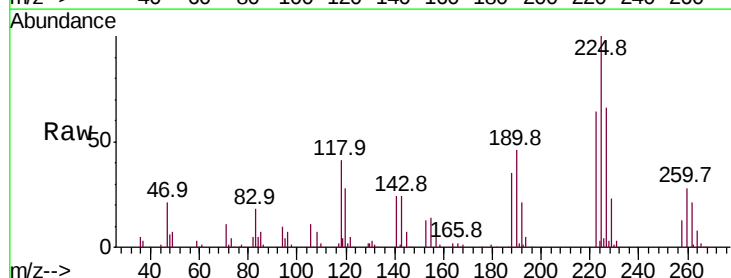


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

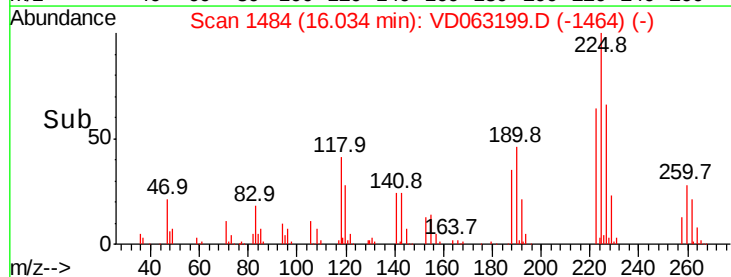
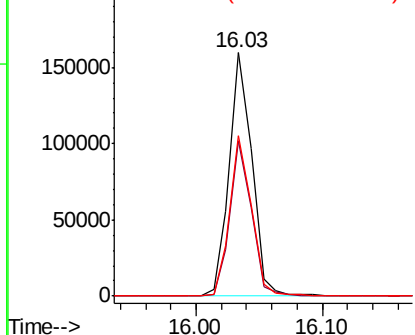


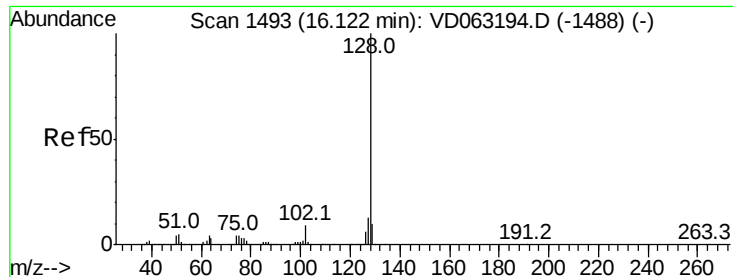
#94
 Hexachlorobutadiene
 Concen: 20.841 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063199.D
 Acq: 29 Jul 2019 15:18

Tgt Ion:225 Resp: 198491
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.9 92.5
 227 65.8 32.6 97.7



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





#95

Naphthalene

Concen: 20.408 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

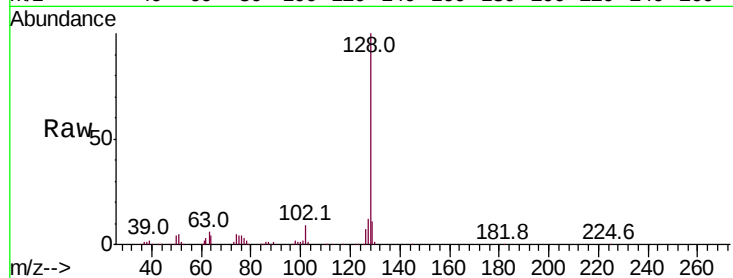
Tot Ion:128 Resp: 379104

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.4

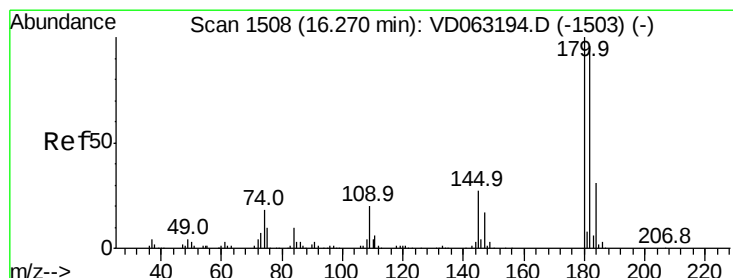
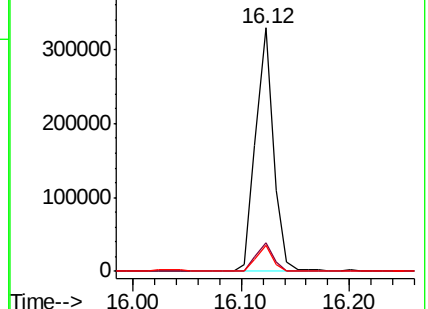
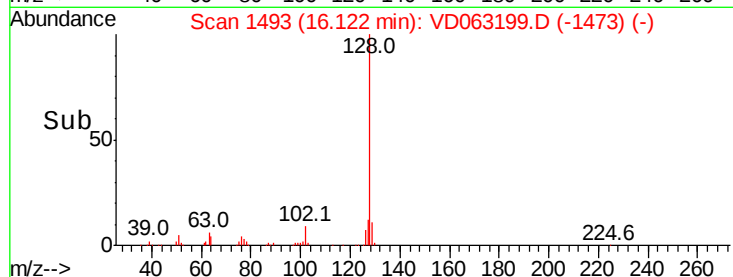
129 10.7 7.8 11.8



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: 20.888 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063199.D

Acq: 29 Jul 2019 15:18

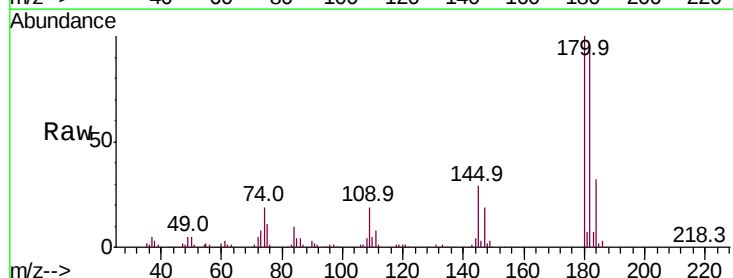
Tgt Ion:180 Resp: 216868

Ion Ratio Lower Upper

180 100

182 96.2 48.3 144.9

145 28.9 13.6 40.7



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

