

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062476.D
 Acq On : 21 May 2019 13:02
 Operator : VA/AP
 Sample : VD0521SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

Quant Time: May 22 01:42:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	736118	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1000597	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	833316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	438397	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	419444	53.23	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.46%	
35) Dibromofluoromethane	6.92	113	470407	52.11	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	10.42	98	1083564	54.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.70%	
62) 4-Bromofluorobenzene	13.56	95	436900	50.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	186019	24.382	ug/l	99
3) Chloromethane	1.75	50	122460	24.014	ug/l	95
4) Vinyl Chloride	1.85	62	122281	22.787	ug/l	95
5) Bromomethane	2.15	94	41915	18.102	ug/l	96
6) Chloroethane	2.25	64	45557	17.550	ug/l	91
7) Trichlorofluoromethane	2.52	101	216123	17.431	ug/l	97
8) Diethyl Ether	2.87	74	27429	16.400	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	3.14	101	157110	21.299	ug/l	97
10) Methyl Iodide	3.30	142	205986	20.027	ug/l #	82
11) Tert butyl alcohol	4.09	59	39629	108.957	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	121112	22.216	ug/l	93
13) Acrolein	3.04	56	27134	89.834	ug/l	92
14) Allyl chloride	3.62	41	181739	22.610	ug/l #	80
15) Acrylonitrile	4.20	53	97287	116.731	ug/l #	85
16) Acetone	3.23	43	149434	105.830	ug/l #	86
17) Carbon Disulfide	3.37	76	388441	23.528	ug/l	100
18) Methyl Acetate	3.65	43	58667	24.078	ug/l	91
19) Methyl tert-butyl Ether	4.24	73	259091	20.577	ug/l	94
20) Methylene Chloride	3.81	84	128865	17.299	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	143123	22.426	ug/l	93
22) Diisopropyl ether	5.12	45	384534	22.475	ug/l	90
23) Vinyl Acetate	5.05	43	1086985	105.142	ug/l	96
24) 1,1-Dichloroethane	4.98	63	226323	20.539	ug/l	98
25) 2-Butanone	6.08	43	166811	112.951	ug/l #	90
26) 2,2-Dichloropropane	6.02	77	255742	21.531	ug/l	90
27) cis-1,2-Dichloroethene	6.04	96	155204	22.553	ug/l	95
28) Bromochloromethane	6.44	49	86868	21.965	ug/l	88
29) Tetrahydrofuran	6.46	42	76630	108.646	ug/l	94
30) Chloroform	6.67	83	303736	21.621	ug/l	99
31) Cyclohexane	6.95	56	167333	22.491	ug/l	91
32) 1,1,1-Trichloroethane	6.87	97	301493	21.258	ug/l	98
36) 1,1-Dichloropropene	7.15	75	211250	22.083	ug/l	96
37) Ethyl Acetate	6.18	43	84555	22.752	ug/l #	89
38) Carbon Tetrachloride	7.11	117	317950	22.363	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	184785	23.419	ug/l	97
40) Benzene	7.45	78	435082	23.186	ug/l	97
41) Methacrylonitrile	6.45	41	99492	21.316	ug/l #	84
42) 1,2-Dichloroethane	7.58	62	204596	20.590	ug/l	94
43) Isopropyl Acetate	9.25	43	110220	22.356	ug/l	96
44) Trichloroethene	8.55	130	160197	21.322	ug/l	90
45) 1,2-Dichloropropane	8.94	63	95425	20.868	ug/l	93
46) Dibromomethane	9.07	93	87541	21.119	ug/l	89
47) Bromodichloromethane	9.37	83	226665	21.495	ug/l	95
48) Methyl methacrylate	9.13	41	67018	20.200	ug/l #	85
49) 1,4-Dioxane	9.09	88	13977	469.670	ug/l #	89
51) 4-Methyl-2-Pentanone	10.31	43	344351	105.727	ug/l	97
52) Toluene	10.51	92	290317	22.600	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	191792	21.846	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	206383	22.529	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	95699	21.981	ug/l	100
56) Ethyl methacrylate	11.05	69	98110	21.080	ug/l #	84
57) 1,3-Dichloropropane	11.41	76	148386	22.224	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	241669	101.120	ug/l	98
59) 2-Hexanone	11.54	43	267392	112.962	ug/l	93
60) Dibromochloromethane	11.69	129	168872	20.195	ug/l	99
61) 1,2-Dibromoethane	11.80	107	117651	21.928	ug/l	97
64) Tetrachloroethene	11.26	164	154754	22.179	ug/l	97
65) Chlorobenzene	12.40	112	346212	21.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	162358	21.949	ug/l	95
67) Ethyl Benzene	12.52	91	634719	22.995	ug/l	94
68) m/p-Xylenes	12.67	106	422326	42.624	ug/l	84
69) o-Xylene	13.05	106	177096	18.944	ug/l	86
70) Styrene	13.07	104	321944	20.244	ug/l	94
71) Bromoform	13.24	173	106264	21.631	ug/l #	98
73) Isopropylbenzene	13.41	105	602970	21.820	ug/l	98
74) N-amyl acetate	13.27	43	155121	22.728	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	109691	22.003	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	120038	23.246	ug/l	96
77) Bromobenzene	13.67	156	172717	22.033	ug/l	97
78) n-propylbenzene	13.77	91	707337	22.098	ug/l	93
79) 2-Chlorotoluene	13.84	91	431811	22.230	ug/l	88
80) 1,3,5-Trimethylbenzene	13.94	105	507739	21.221	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	31745	21.798	ug/l #	64
82) 4-Chlorotoluene	13.95	91	494331	22.097	ug/l	87
83) tert-Butylbenzene	14.20	119	587446	22.134	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	531679	21.686	ug/l	95
85) sec-Butylbenzene	14.37	105	592475	21.409	ug/l	98
86) p-Isopropyltoluene	14.49	119	523733	20.883	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	298548	21.566	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	284415	21.291	ug/l	96
89) n-Butylbenzene	14.81	91	544728	22.506	ug/l	96
90) Hexachloroethane	15.01	117	151742	21.893	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	262500	22.300	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	19213	20.304	ug/l	91

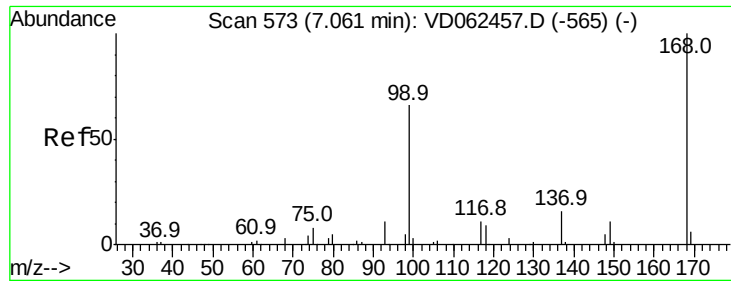
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052119\
Data File : VD062476.D
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	216396	23.347	ug/l	93
94) Hexachlorobutadiene	16.04	225	148144	21.646	ug/l	98
95) Naphthalene	16.12	128	279425	22.063	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	166810	21.953	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

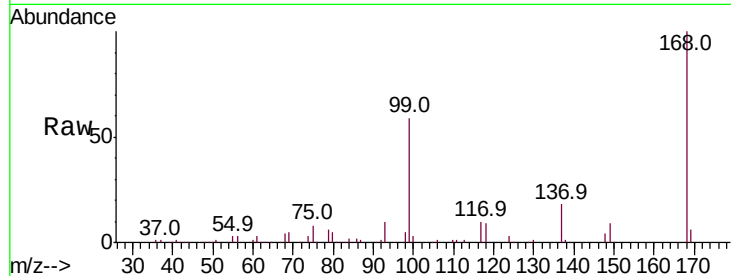
VD0521SBS01

Tot Ion:168 Resp: 736118

Ion Ratio Lower Upper

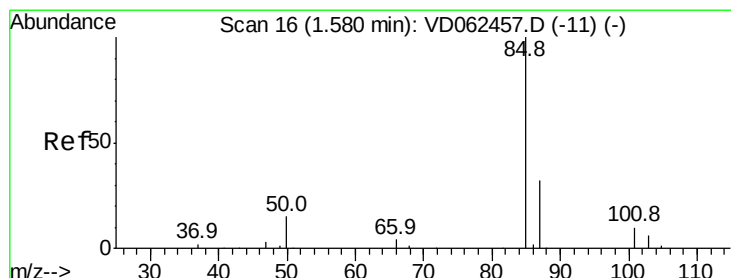
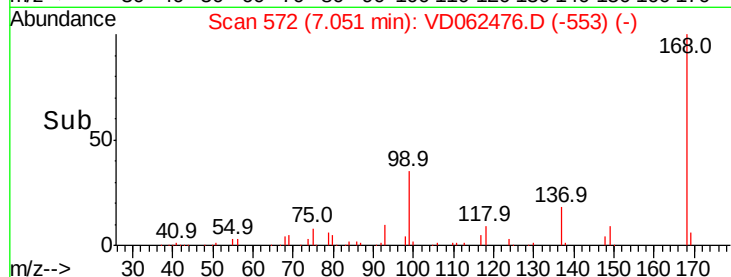
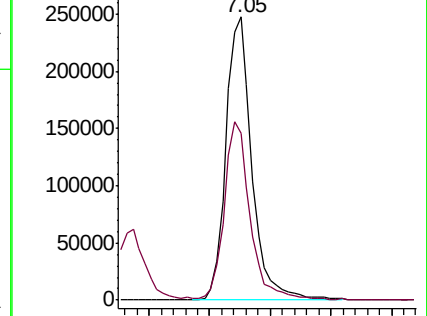
168 100

99 58.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.382 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062476.D

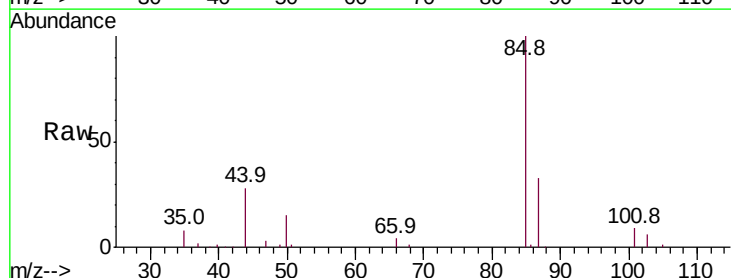
Acq: 21 May 2019 13:02

Tgt Ion: 85 Resp: 186019

Ion Ratio Lower Upper

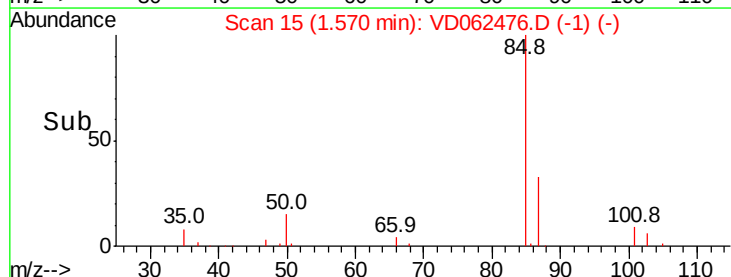
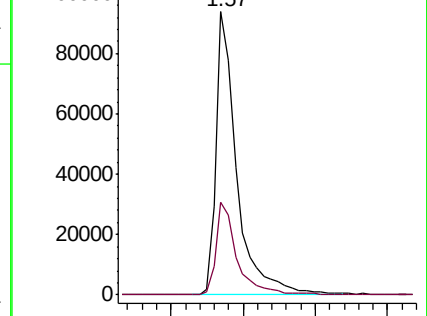
85 100

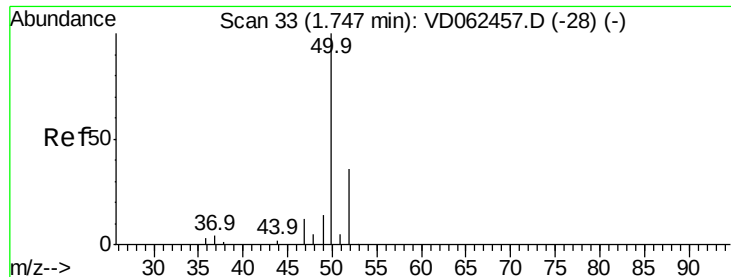
87 32.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.014 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

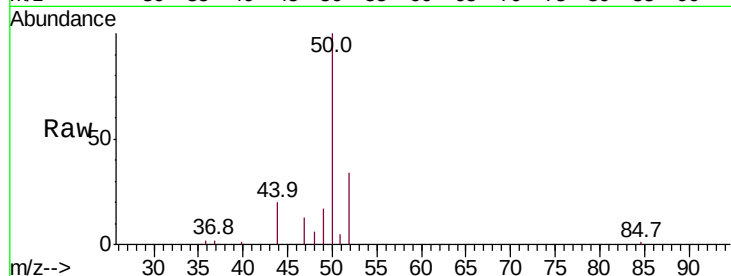
VD0521SBS01

Tot Ion: 50 Resp: 122460

Ion Ratio Lower Upper

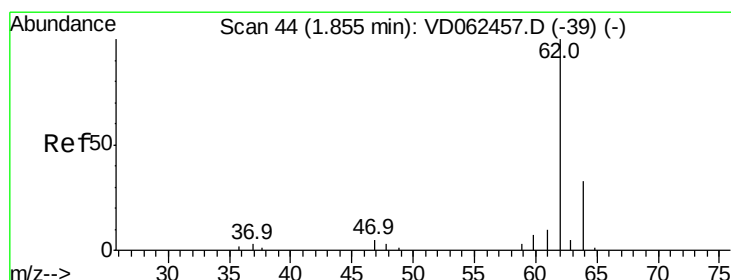
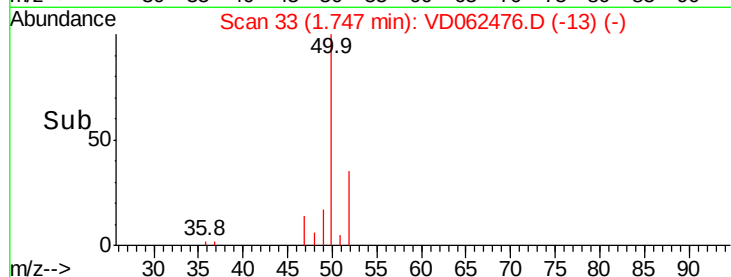
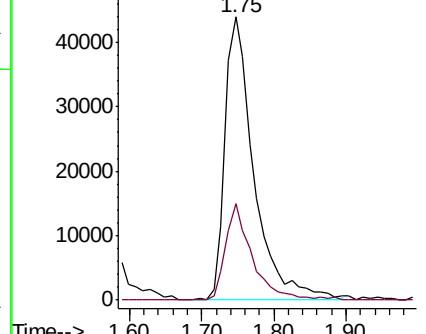
50 100

52 34.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.787 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062476.D

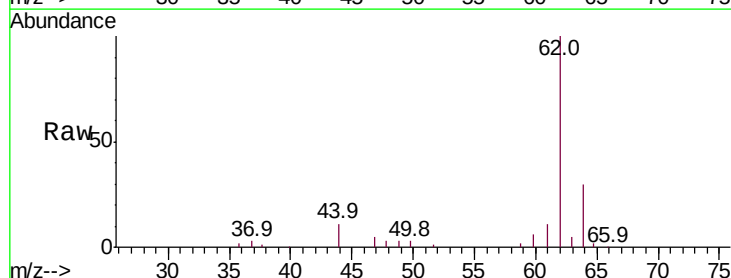
Acq: 21 May 2019 13:02

Tgt Ion: 62 Resp: 122281

Ion Ratio Lower Upper

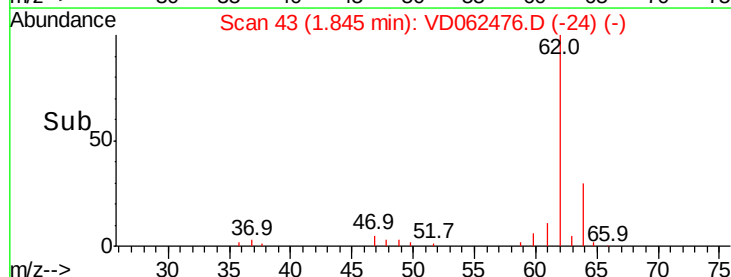
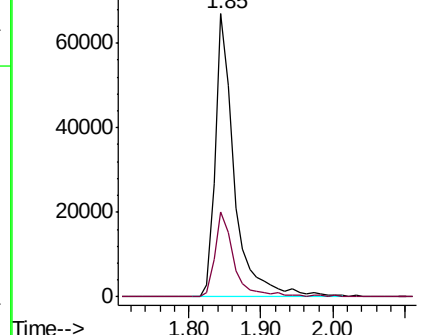
62 100

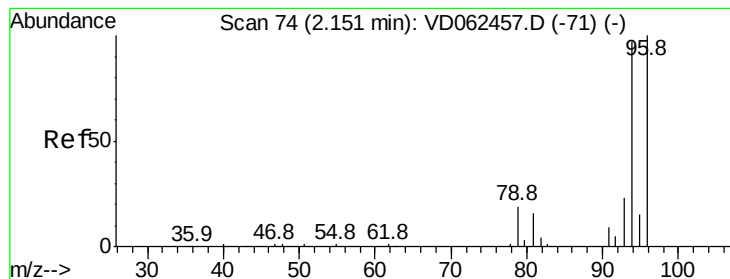
64 30.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.102 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

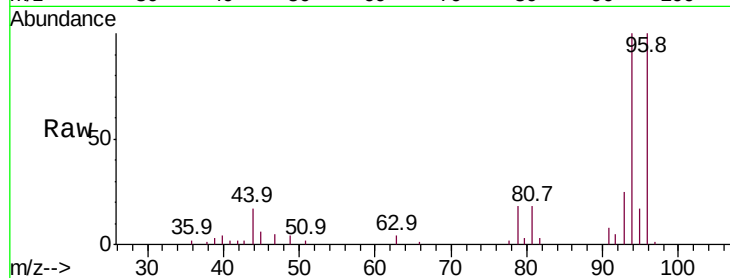
Tot Ion: 94 Resp: 41915

Ion Ratio Lower Upper

94 100

96 99.5 76.6 115.0

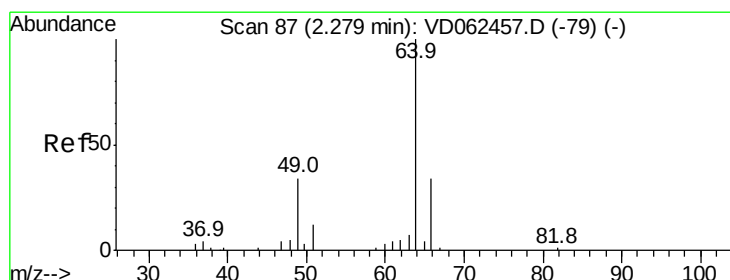
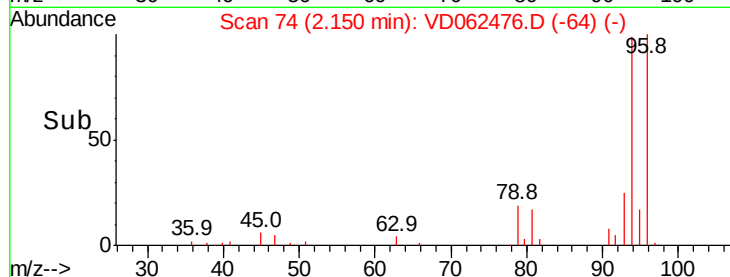
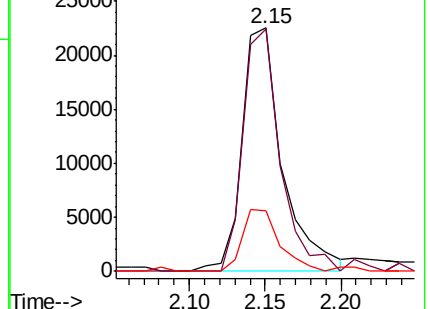
93 24.7 18.5 27.7



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: 17.550 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD062476.D

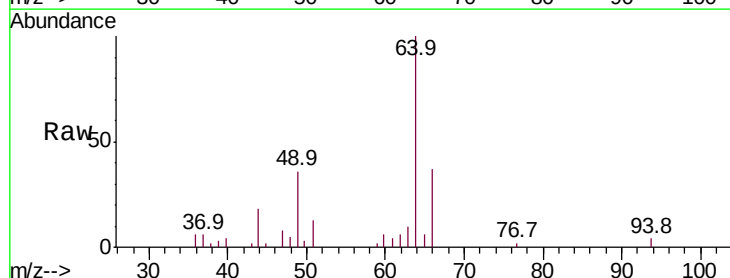
Acq: 21 May 2019 13:02

Tgt Ion: 64 Resp: 45557

Ion Ratio Lower Upper

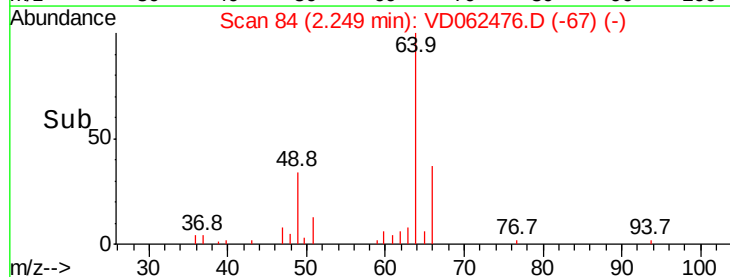
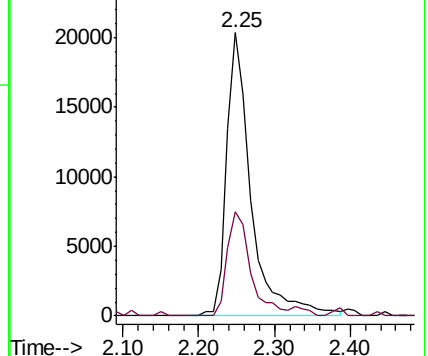
64 100

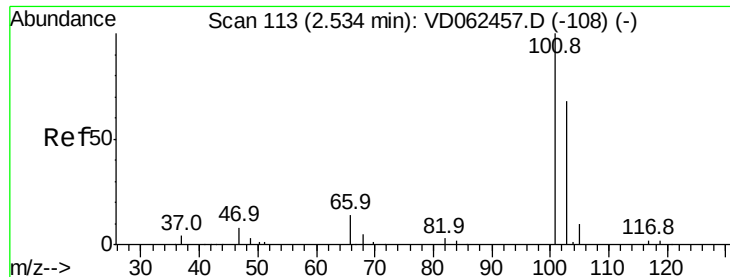
66 36.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



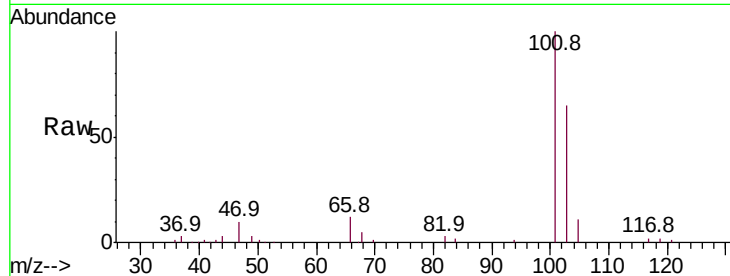


#7

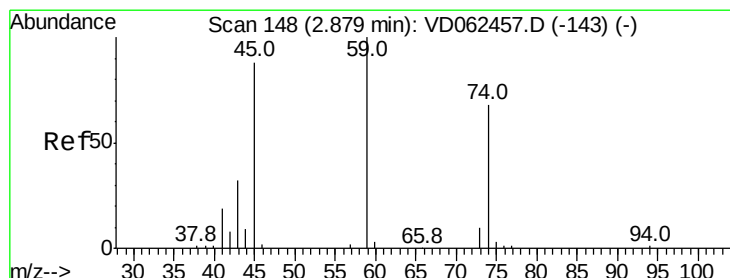
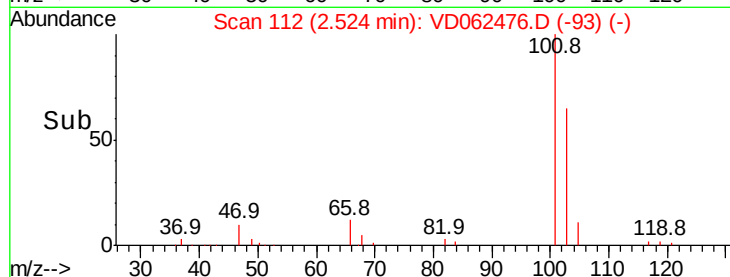
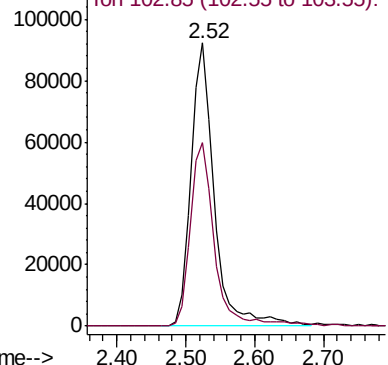
Trichlorofluoromethane
 Concen: 17.431 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Instrument :
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 ClientSampleId :
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Tot Ion:101 Resp: 216123
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.6 80.4



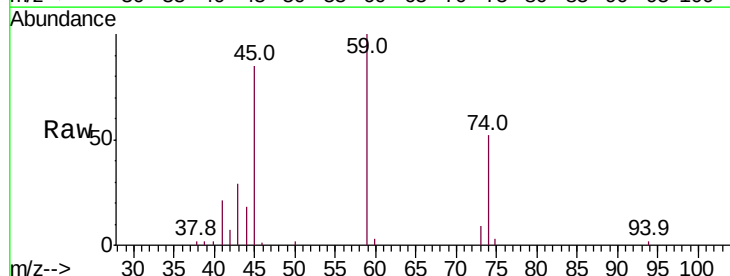
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



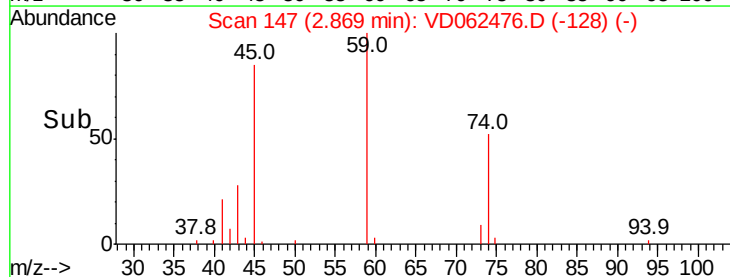
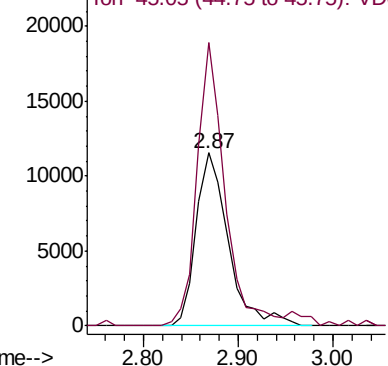
#8

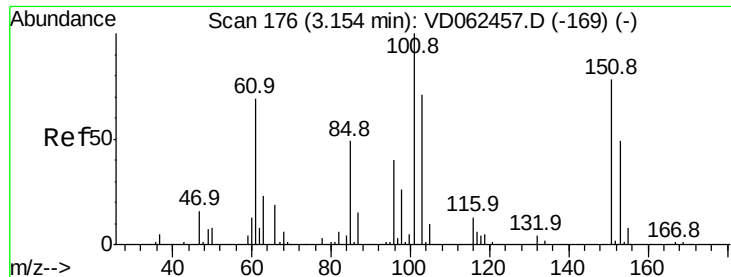
Diethyl Ether
 Concen: 16.400 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion: 74 Resp: 27429
 Ion Ratio Lower Upper
 74 100
 45 163.8 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.299 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

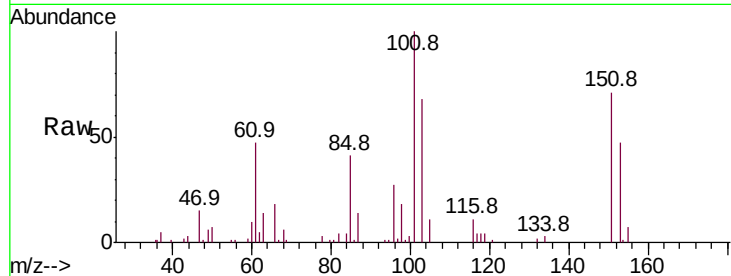
Tot Ion:101 Resp: 157110

Ion Ratio Lower Upper

101 100

85 41.2 32.4 48.6

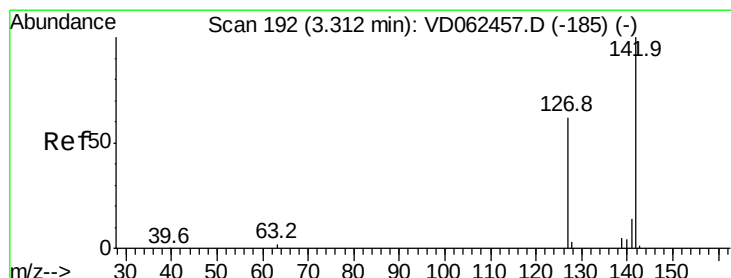
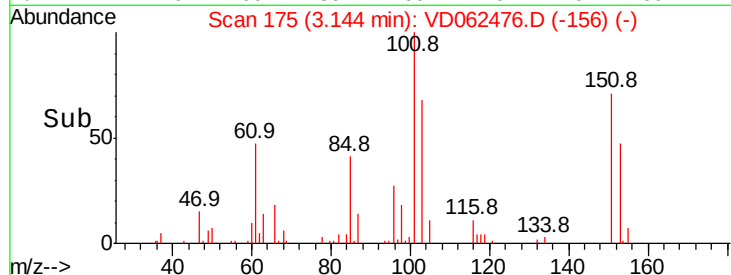
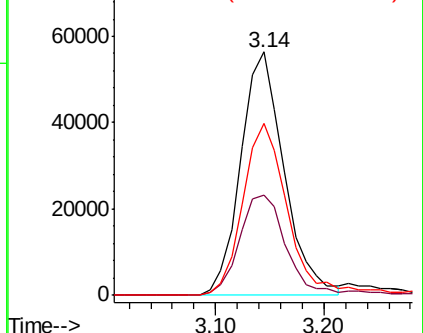
151 70.6 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.027 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

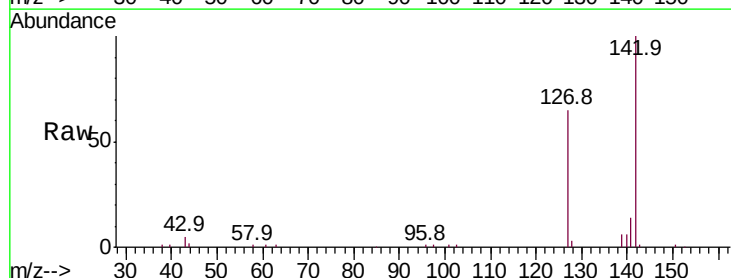
Tgt Ion:142 Resp: 205986

Ion Ratio Lower Upper

142 100

127 64.7 38.8 58.2#

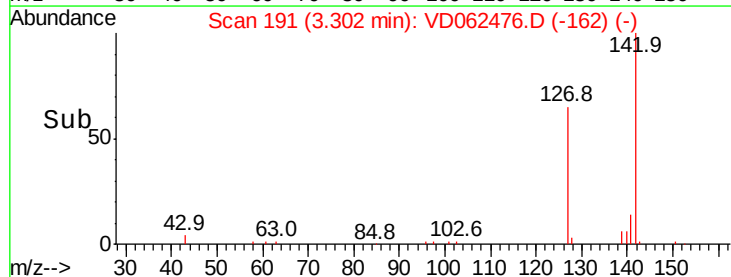
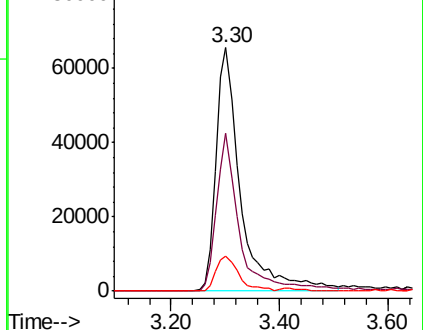
141 14.3 11.4 17.0

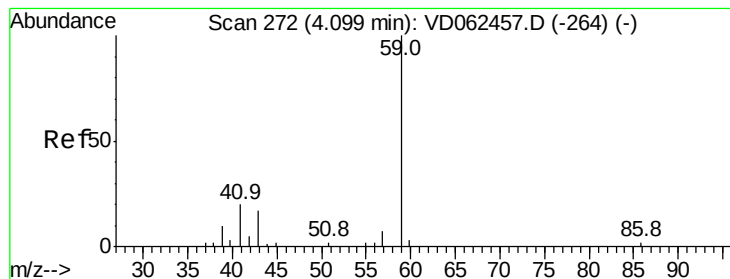


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



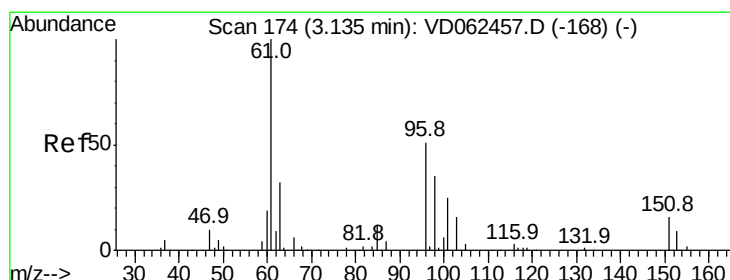
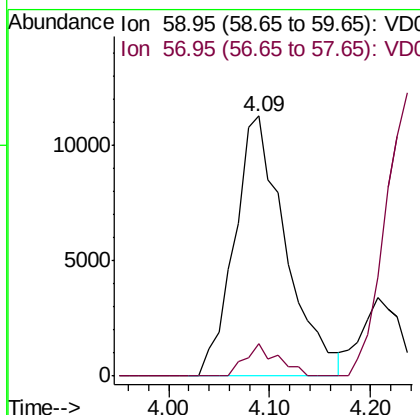
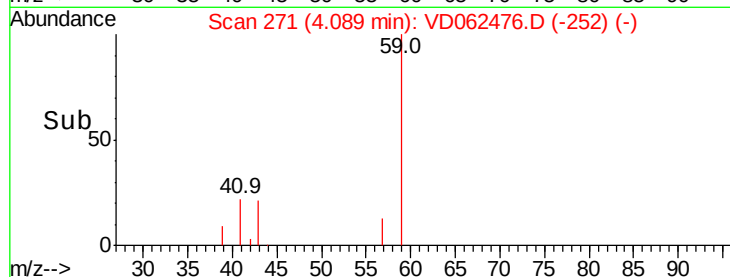
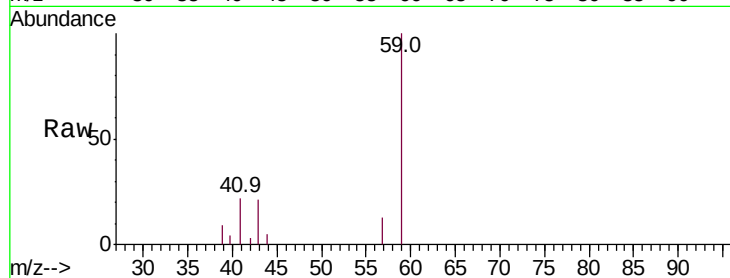


#11

Tert butyl alcohol
 Concen: 108.957 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

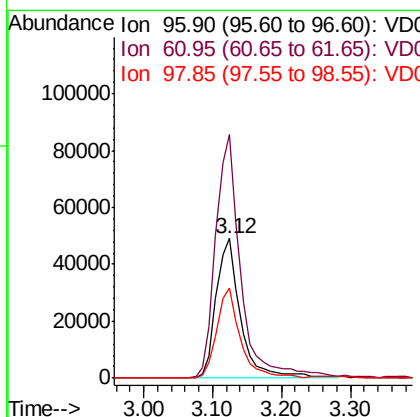
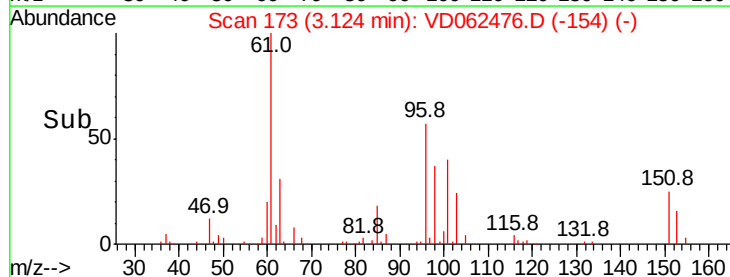
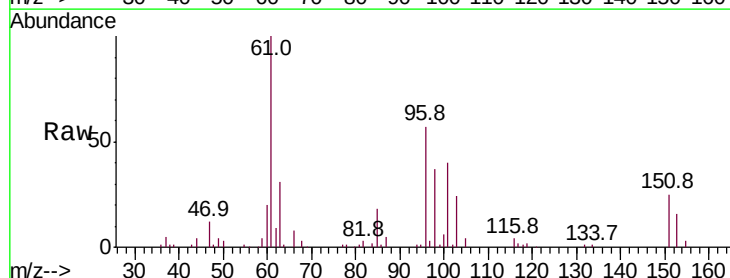
Tot Ion: 59 Resp: 39629
 Ion Ratio Lower Upper
 59 100
 57 12.6 6.9 10.3#

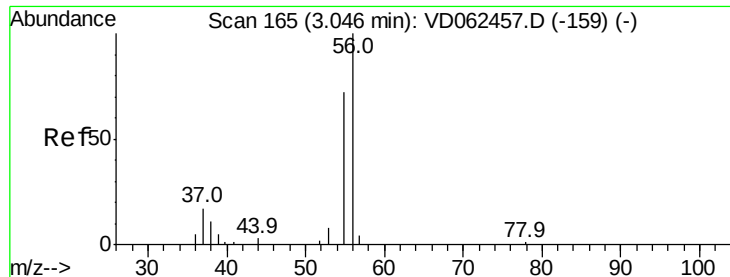


#12

1,1-Dichloroethene
 Concen: 22.216 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion: 96 Resp: 121112
 Ion Ratio Lower Upper
 96 100
 61 174.2 129.8 194.8
 98 64.5 51.2 76.8





#13

Acrolein

Concen: 89.834 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

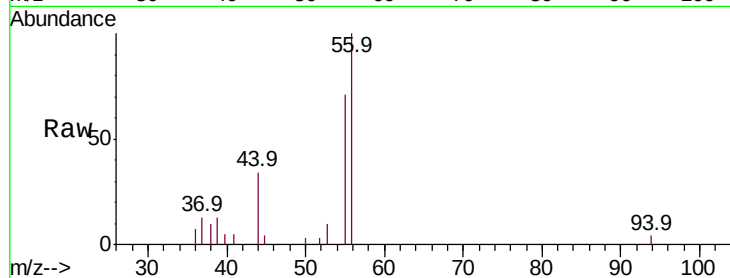
VD0521SBS01

Tot Ion: 56 Resp: 27134

Ion Ratio Lower Upper

56 100

55 70.9 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

12000

10000

8000

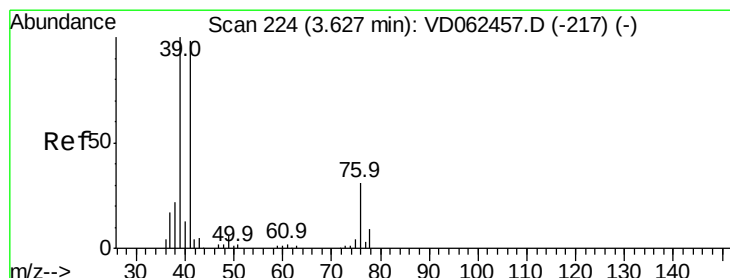
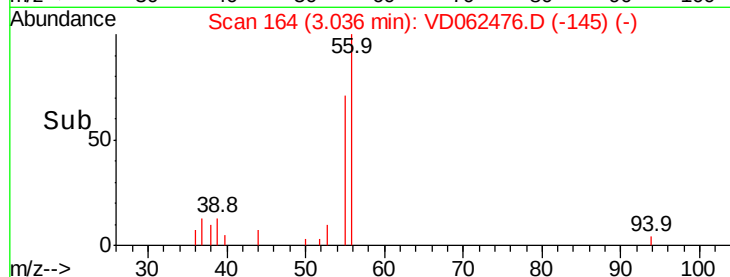
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 22.610 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

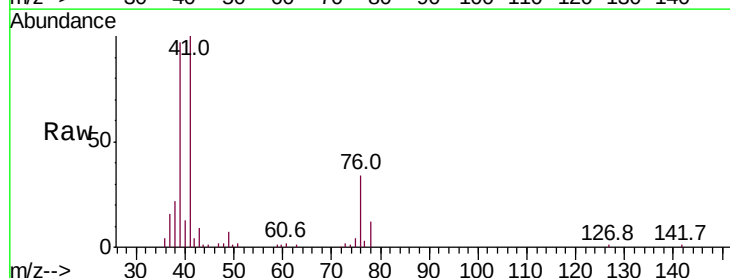
Tgt Ion: 41 Resp: 181739

Ion Ratio Lower Upper

41 100

39 96.9 60.5 90.7#

76 33.5 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

80000

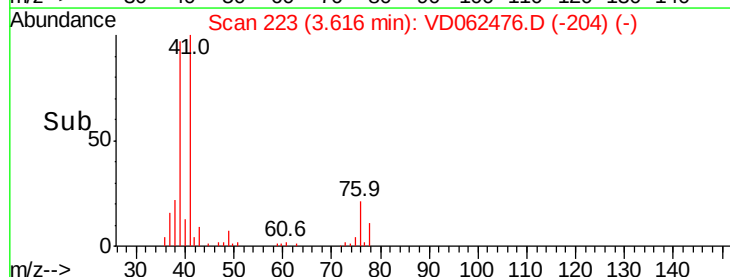
60000

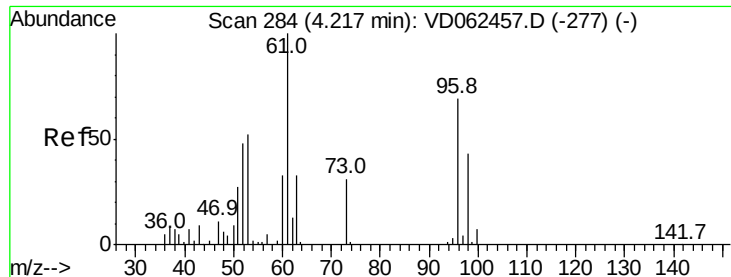
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 116.731 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

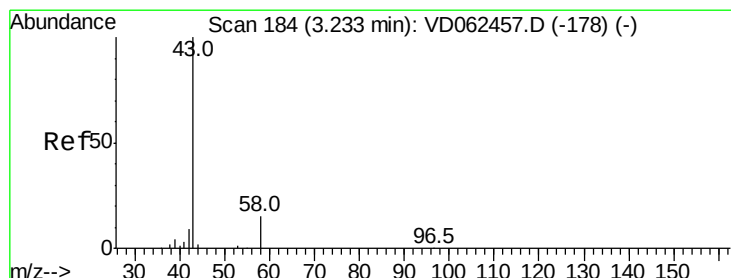
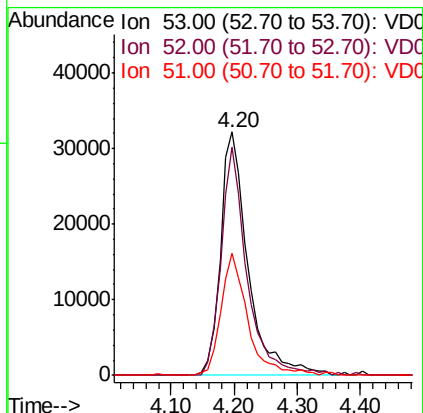
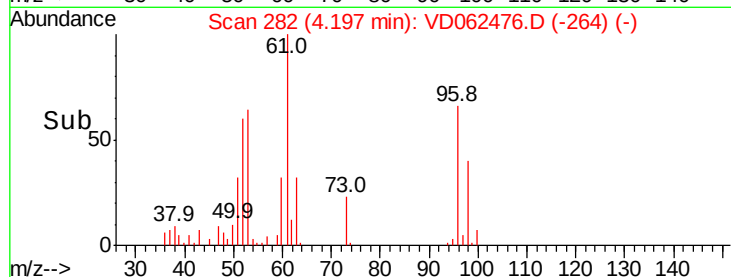
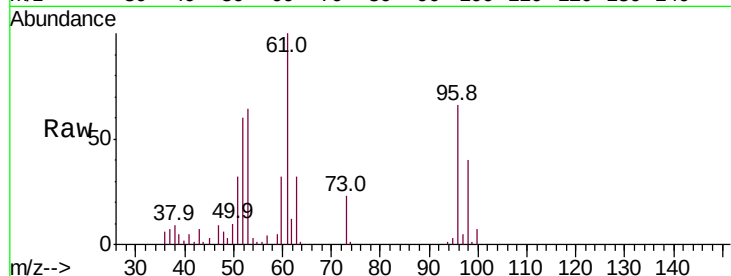
Tot Ion: 53 Resp: 97287

Ion Ratio Lower Upper

53 100

52 93.9 65.0 97.4

51 50.0 32.6 48.8#



#16

Acetone

Concen: 105.830 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD062476.D

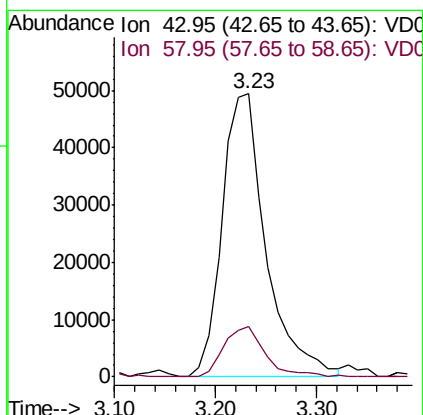
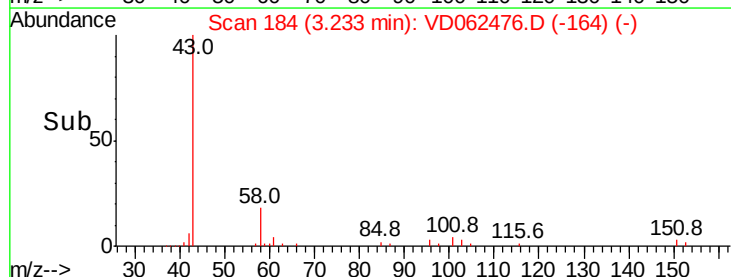
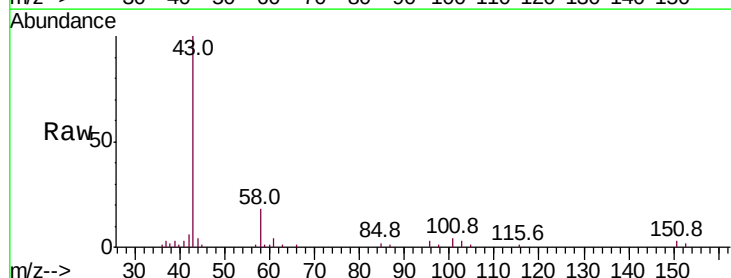
Acq: 21 May 2019 13:02

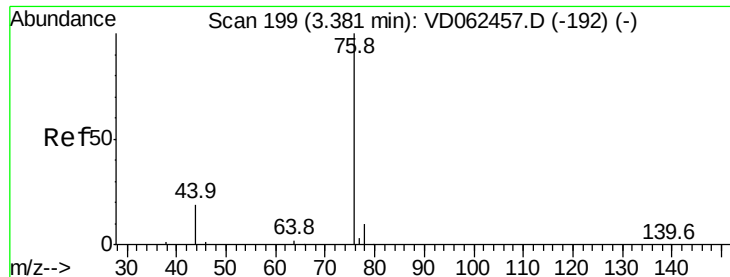
Tgt Ion: 43 Resp: 149434

Ion Ratio Lower Upper

43 100

58 17.8 19.9 29.9#





#17

Carbon Disulfide

Concen: 23.528 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

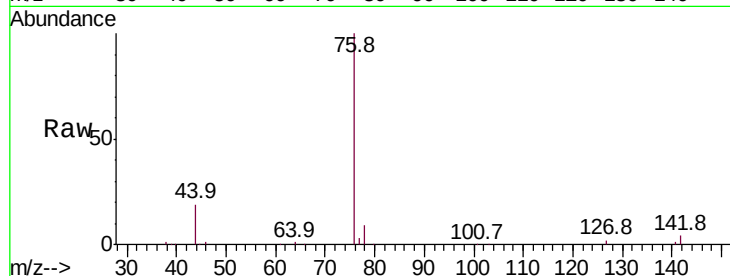
VD0521SBS01

Tot Ion: 76 Resp: 388441

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

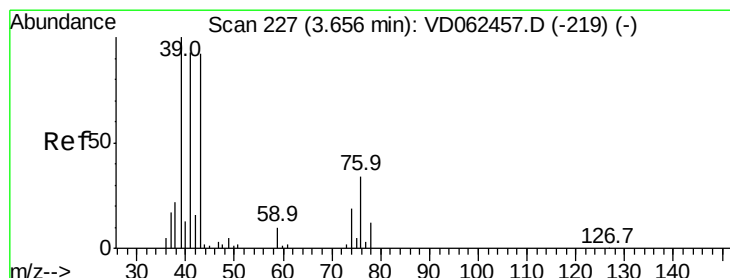
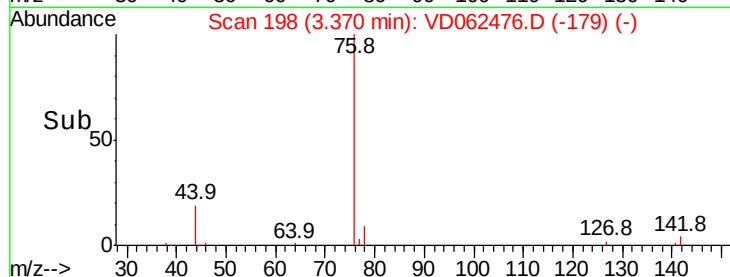
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 24.078 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD062476.D

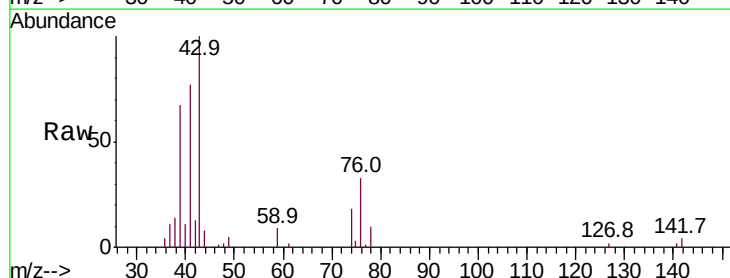
Acq: 21 May 2019 13:02

Tgt Ion: 43 Resp: 58667

Ion Ratio Lower Upper

43 100

74 18.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

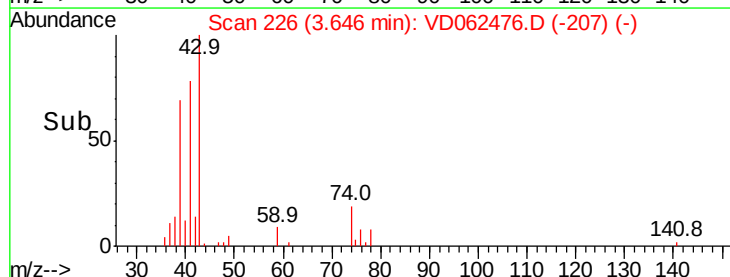
15000

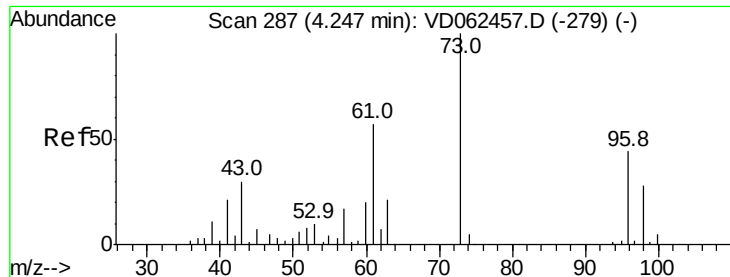
10000

5000

0

Time--> 3.60 3.70 3.80

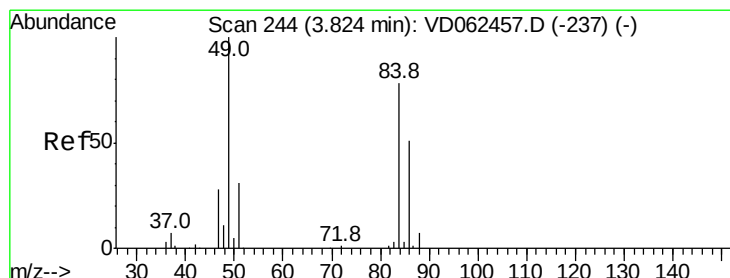
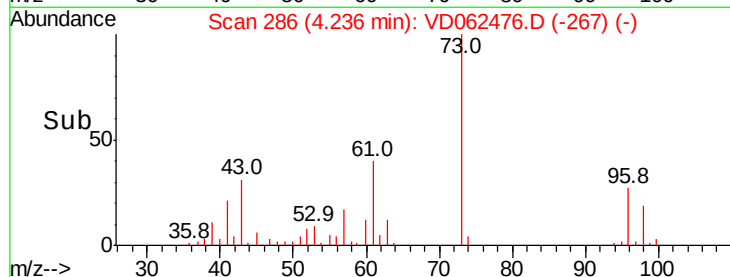
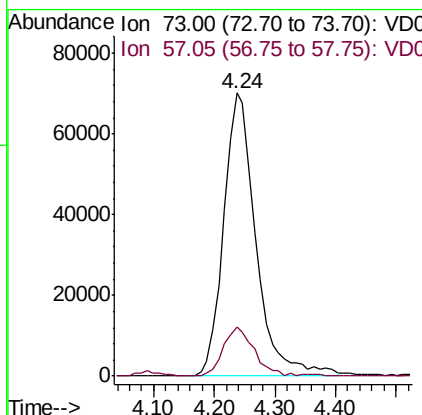
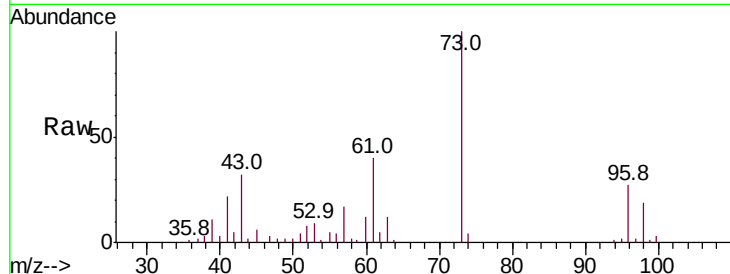




#19
Methyl tert-butyl Ether
Concen: 20.577 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

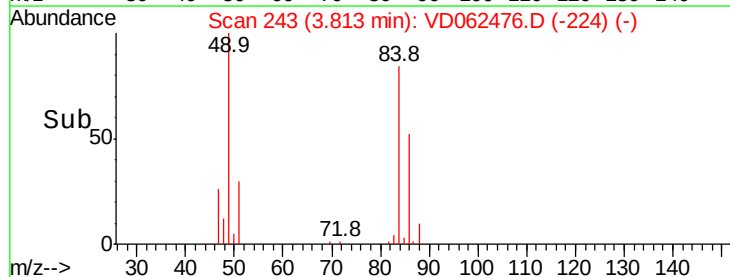
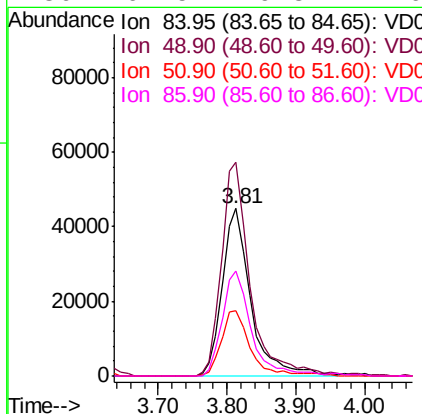
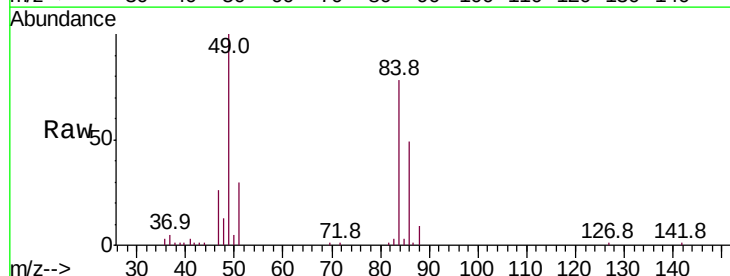
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBS01

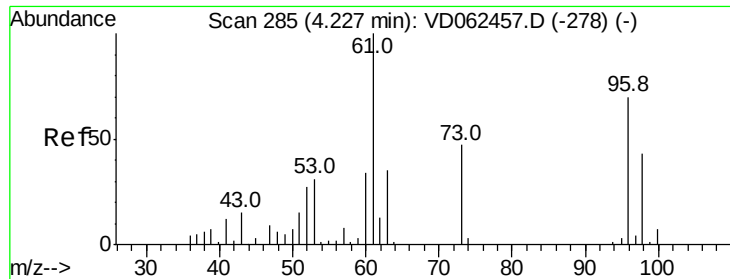
Tot Ion: 73 Resp: 259091
Ion Ratio Lower Upper
73 100
57 17.5 16.3 24.5



#20
Methylene Chloride
Concen: 17.299 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Tgt Ion: 84 Resp: 128865
Ion Ratio Lower Upper
84 100
49 127.7 94.0 141.0
51 38.7 29.0 43.4
86 62.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 22.426 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

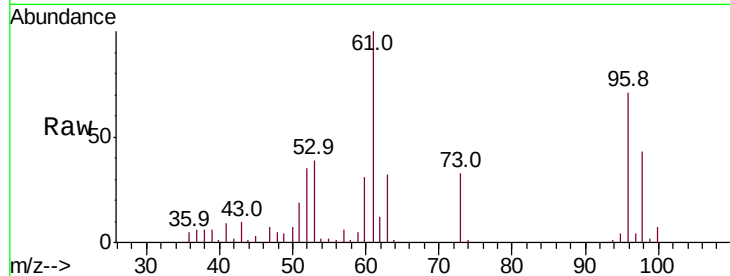
Tot Ion: 96 Resp: 143123

Ion Ratio Lower Upper

96 100

61 140.2 104.4 156.6

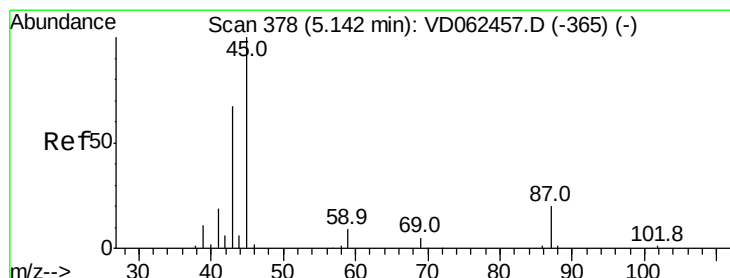
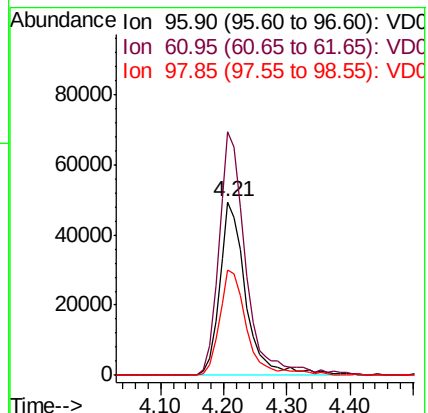
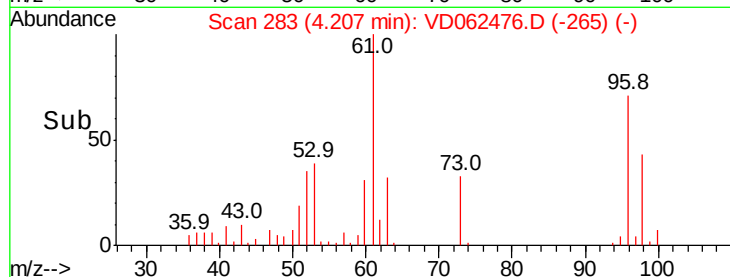
98 60.4 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.475 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Tgt Ion: 45 Resp: 384534

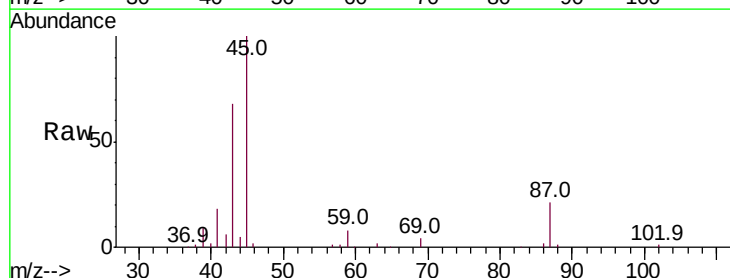
Ion Ratio Lower Upper

45 100

43 67.9 46.2 69.2

87 20.6 15.9 23.9

59 8.1 7.9 11.9

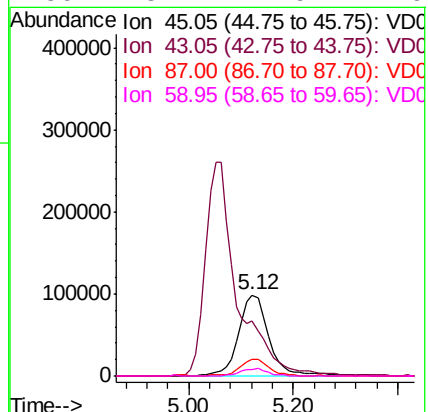
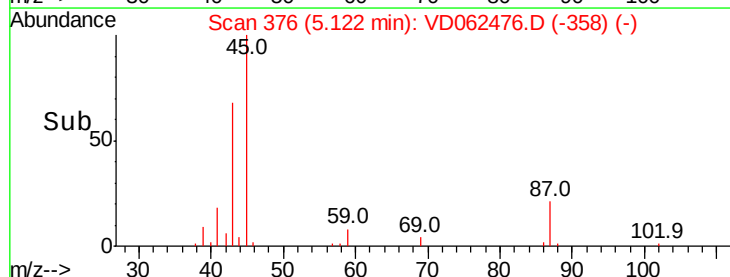


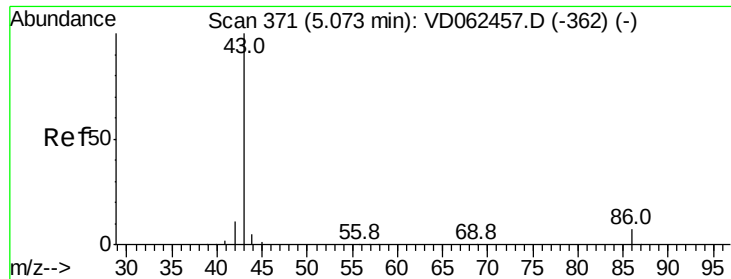
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 105.142 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

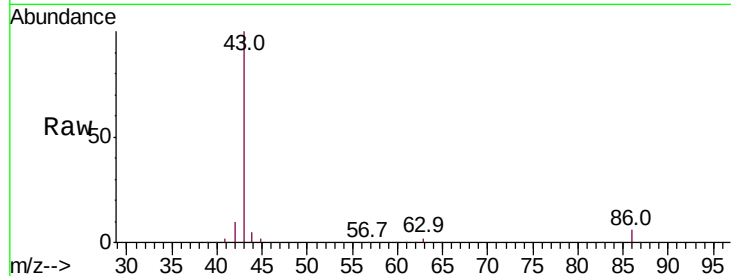
VD0521SBS01

Tot Ion: 43 Resp: 1086985

Ion Ratio Lower Upper

43 100

86 6.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062457.D (-362) (-)

Ion 86.00 (85.70 to 86.70): VD062457.D (-362) (-)

5.05

250000

200000

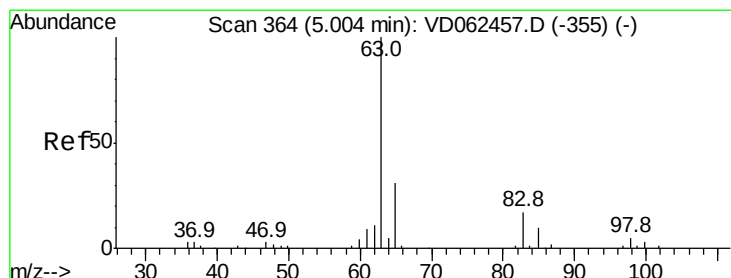
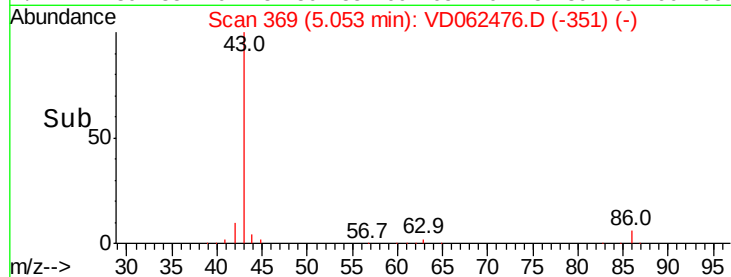
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.539 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

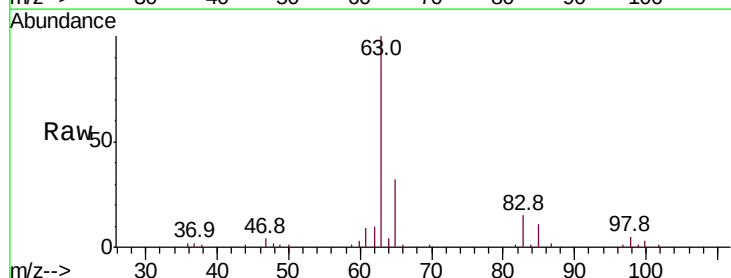
Tgt Ion: 63 Resp: 226323

Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.4

100 2.7 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062457.D (-355) (-)

Ion 97.95 (97.65 to 98.65): VD062457.D (-355) (-)

Ion 99.95 (99.65 to 100.65): VD062457.D (-355) (-)

4.98

80000

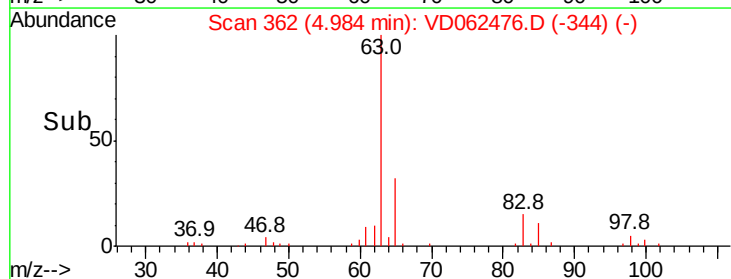
60000

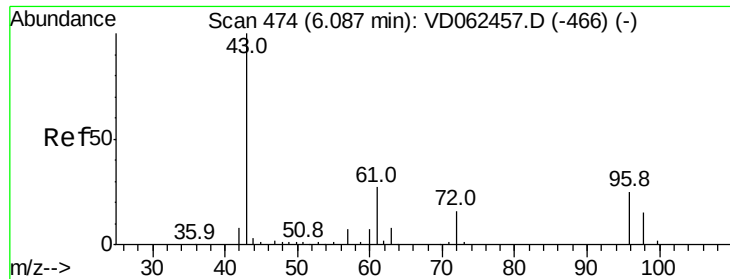
40000

20000

0

Time-->





#25

2-Butanone

Concen: 112.951 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

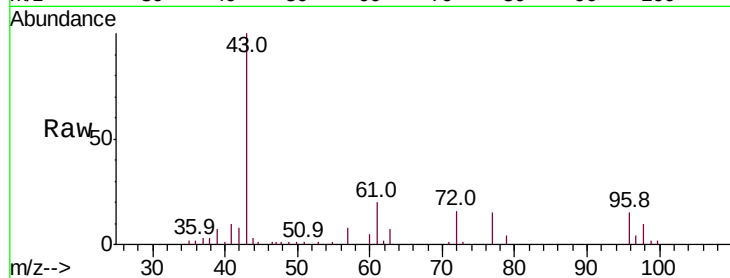
VD0521SBS01

Tot Ion: 43 Resp: 166811

Ion Ratio Lower Upper

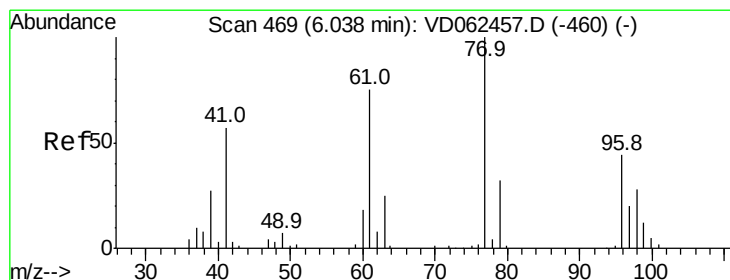
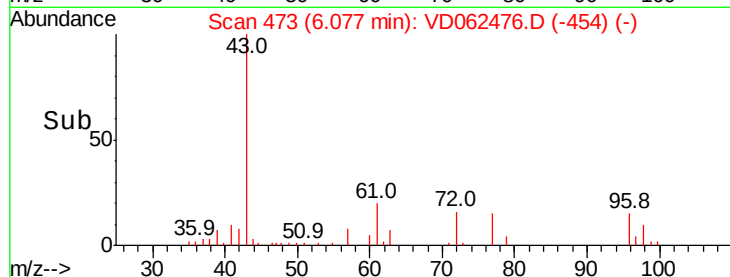
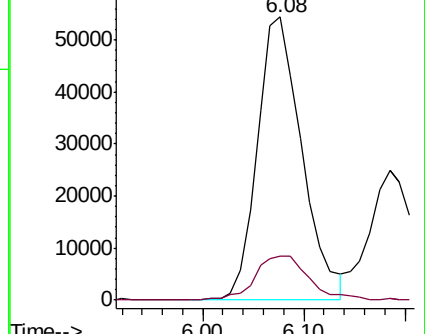
43 100

72 15.7 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.531 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD062476.D

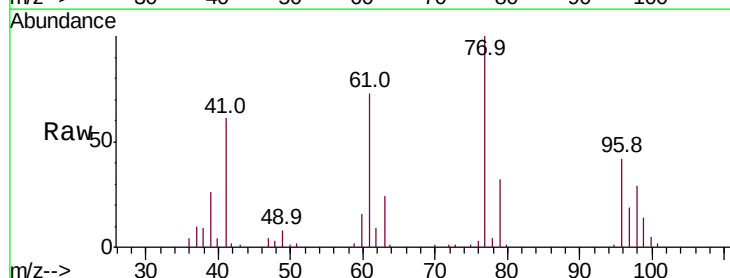
Acq: 21 May 2019 13:02

Tgt Ion: 77 Resp: 255742

Ion Ratio Lower Upper

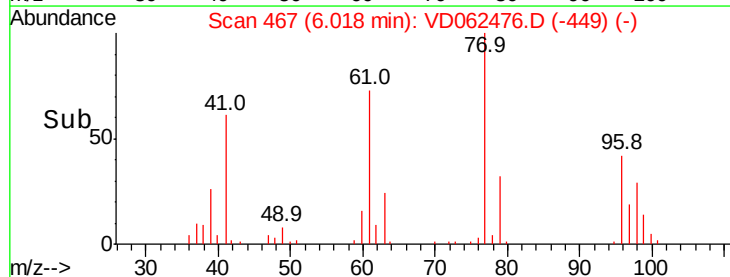
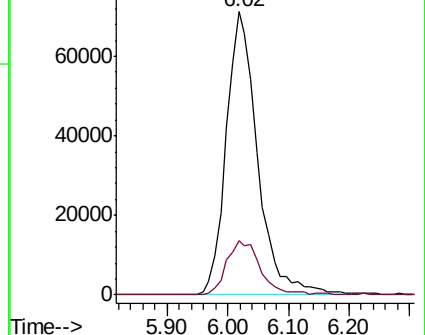
77 100

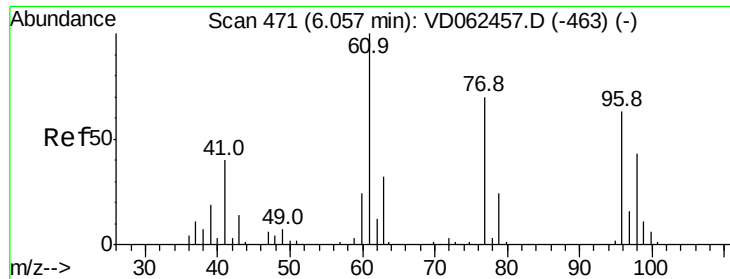
97 19.0 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



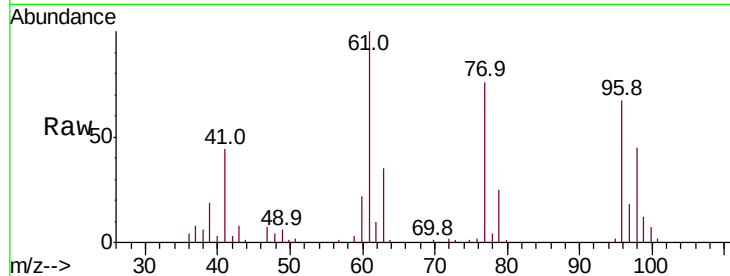


#27

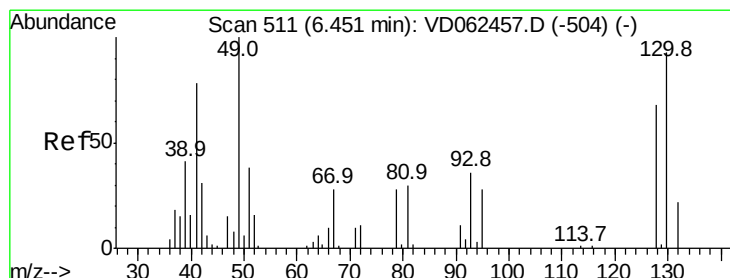
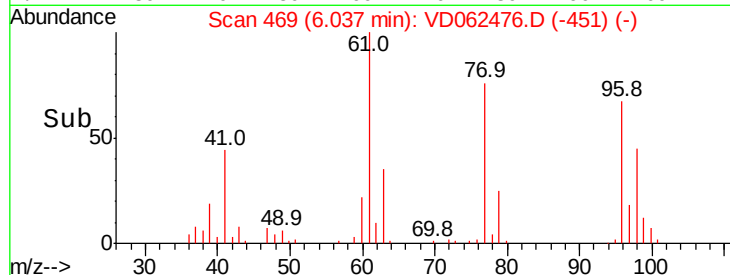
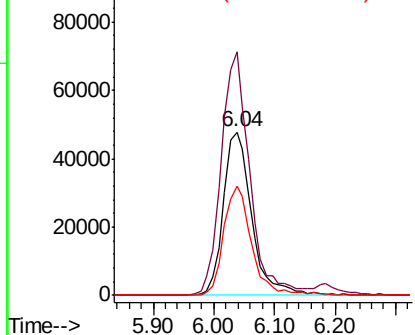
cis-1,2-Dichloroethene
 Concen: 22.553 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.02 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

Tot Ion: 96 Resp: 155204
 Ion Ratio Lower Upper
 96 100
 61 148.8 0.0 279.8
 98 67.1 0.0 136.0



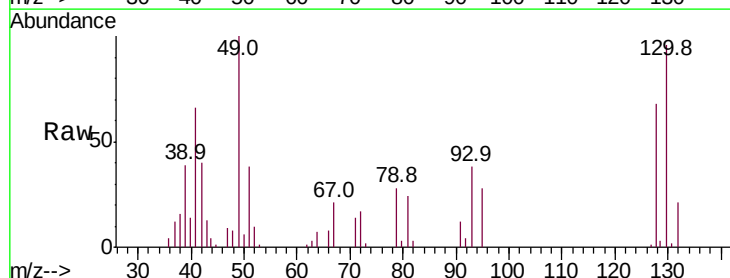
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



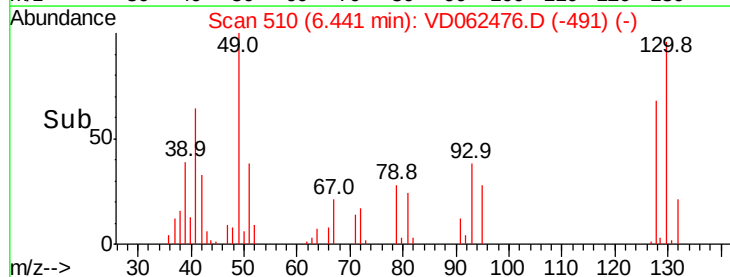
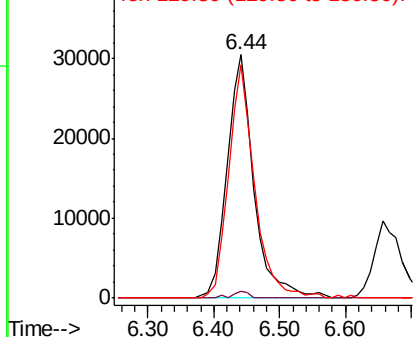
#28

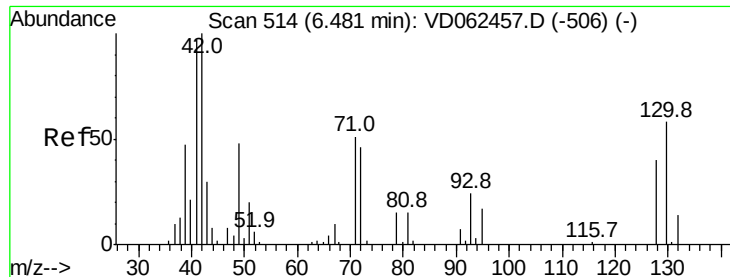
Bromochloromethane
 Concen: 21.965 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion: 49 Resp: 86868
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 6.6
 130 95.6 86.7 130.1



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

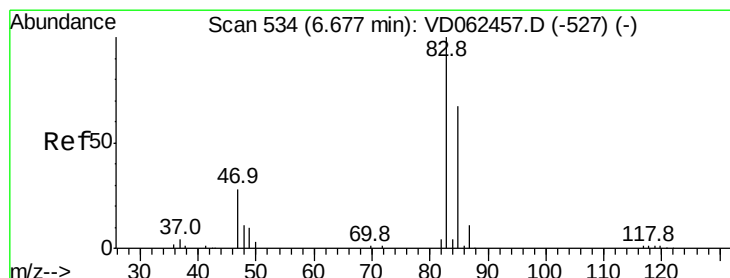
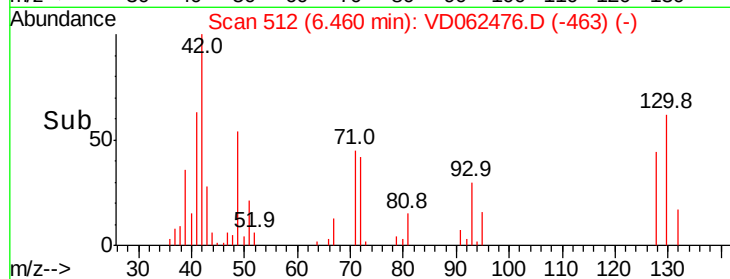
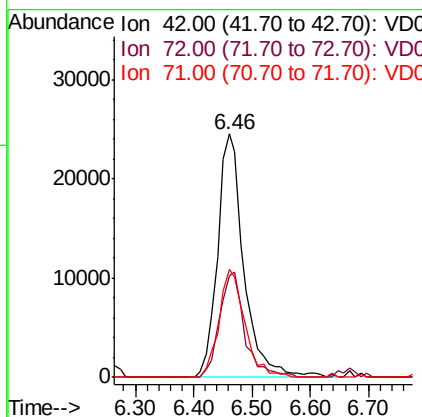
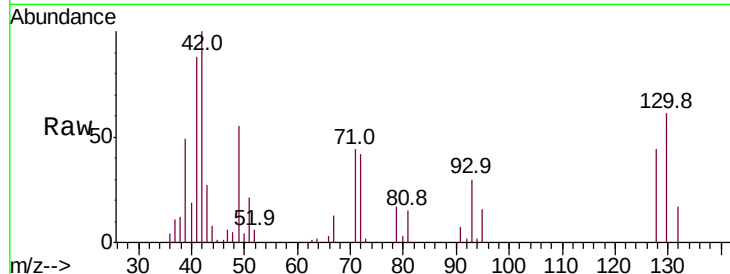




#29
Tetrahydrofuran
Concen: 108.646 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.02 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

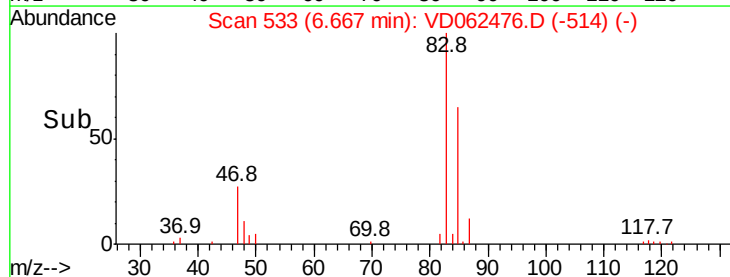
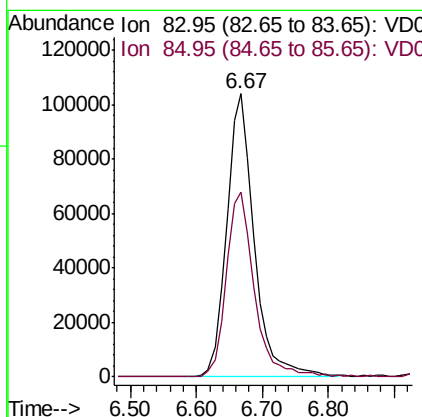
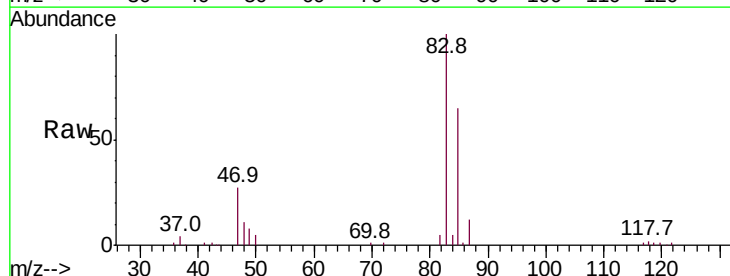
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBS01

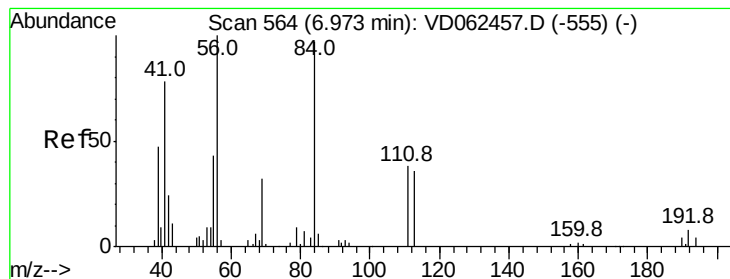
Tot Ion: 42 Resp: 76630
Ion Ratio Lower Upper
42 100
72 41.2 37.8 56.6
71 43.3 36.7 55.1



#30
Chloroform
Concen: 21.621 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Tgt Ion: 83 Resp: 303736
Ion Ratio Lower Upper
83 100
85 65.4 51.7 77.5





#31

Cyclohexane

Concen: 22.491 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

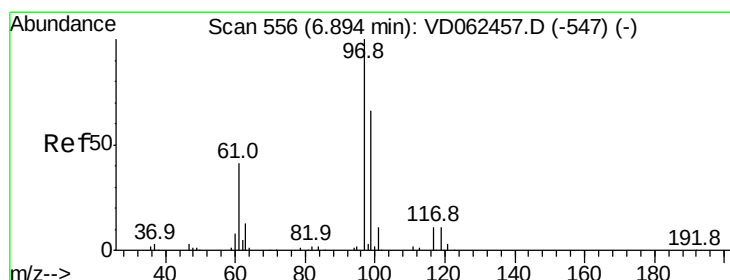
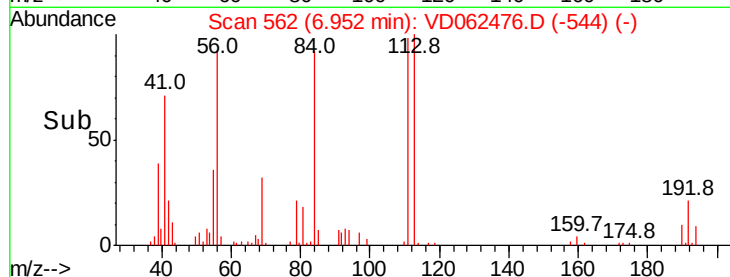
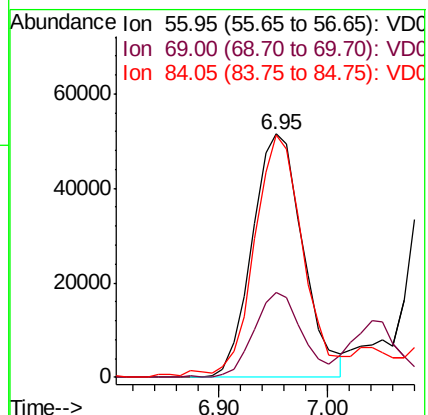
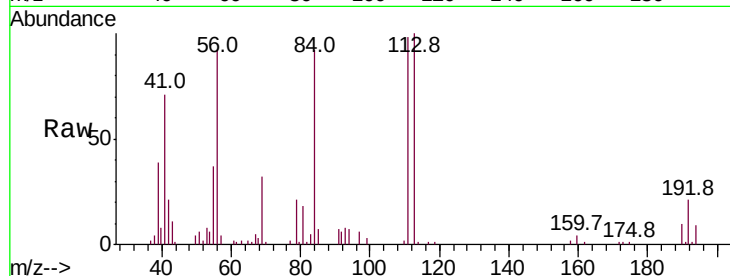
Tot Ion: 56 Resp: 167333

Ion Ratio Lower Upper

56 100

69 35.1 25.8 38.6

84 99.8 72.2 108.4



#32

1,1,1-Trichloroethane

Concen: 21.258 ug/l

RT: 6.87 min Scan# 554

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

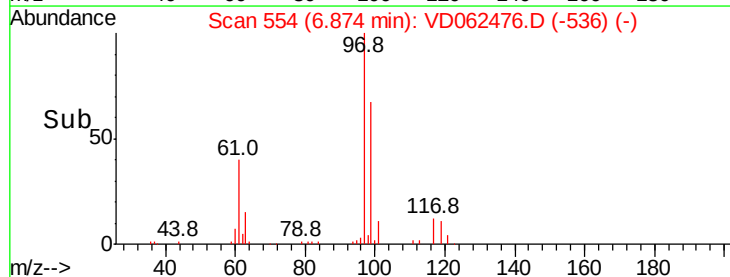
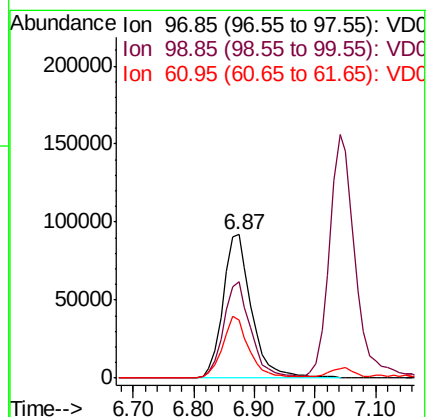
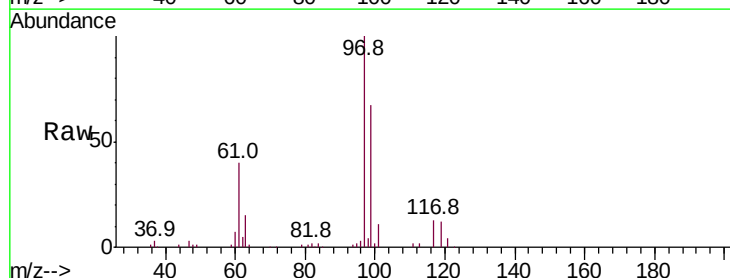
Tgt Ion: 97 Resp: 301493

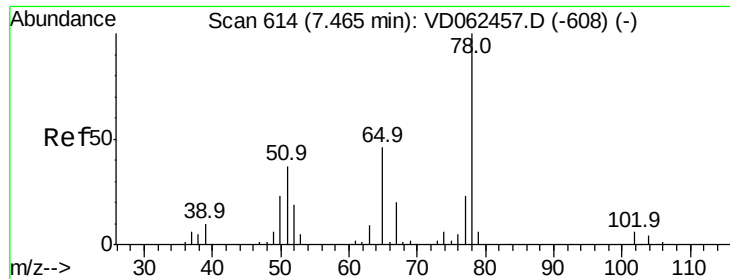
Ion Ratio Lower Upper

97 100

99 67.0 52.2 78.2

61 40.2 32.4 48.6

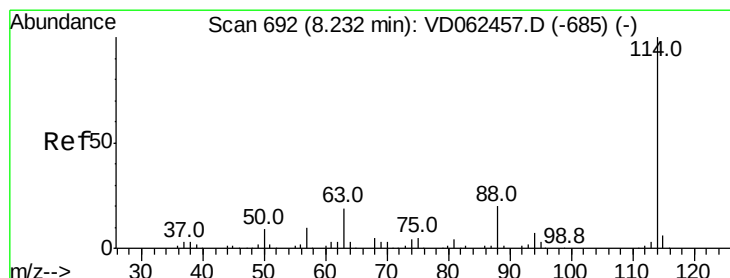
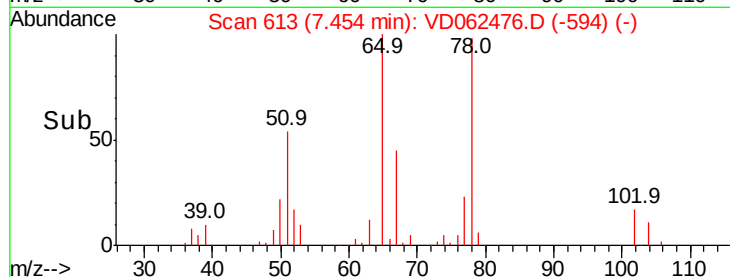
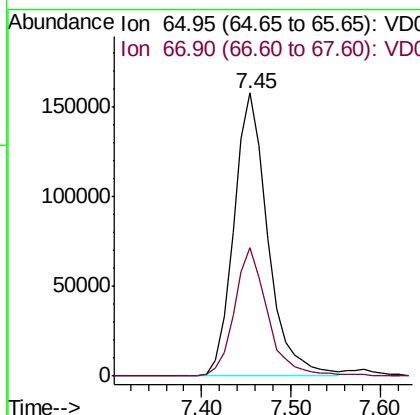
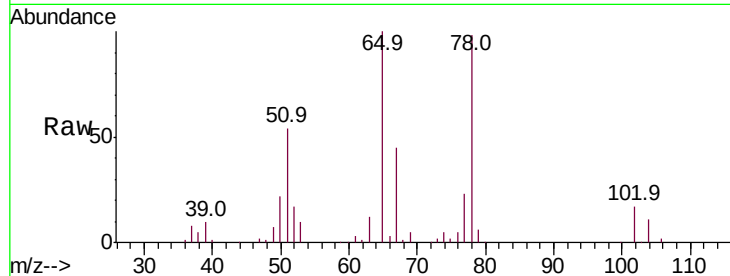




#33
 1,2-Dichloroethane-d4
 Concen: 53.231 ug/l
 RT: 7.45 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

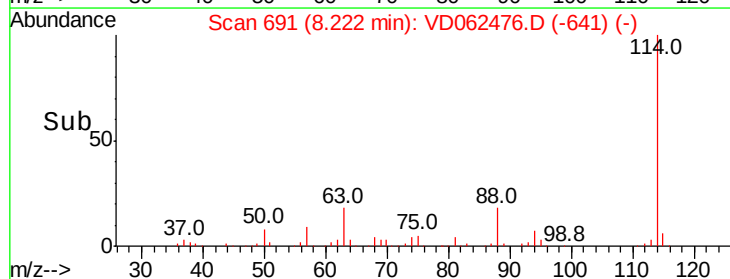
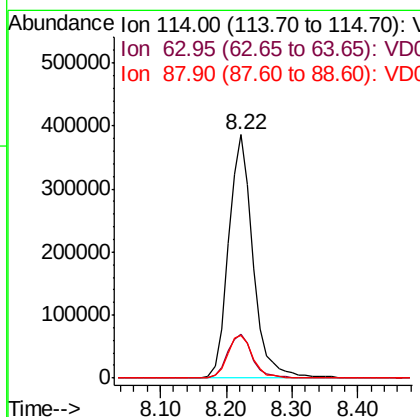
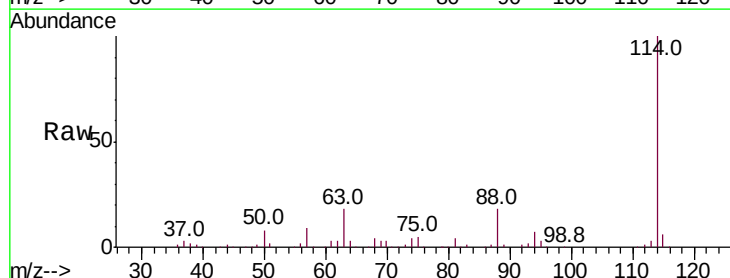
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

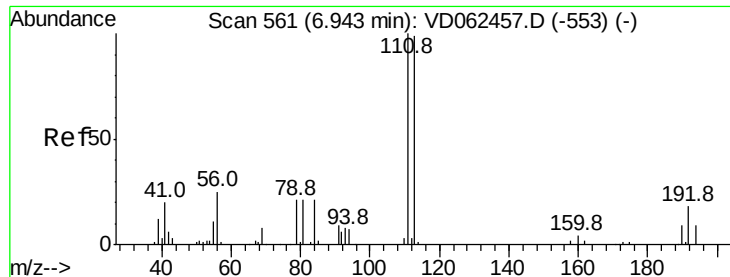
Tot Ion: 65 Resp: 419444
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion: 114 Resp: 1000597
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 32.4
 88 17.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.113 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

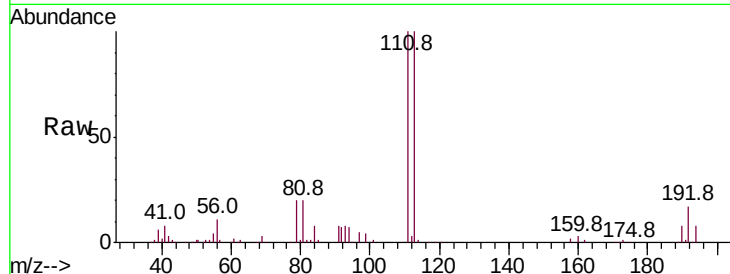
Tot Ion:113 Resp: 470407

Ion Ratio Lower Upper

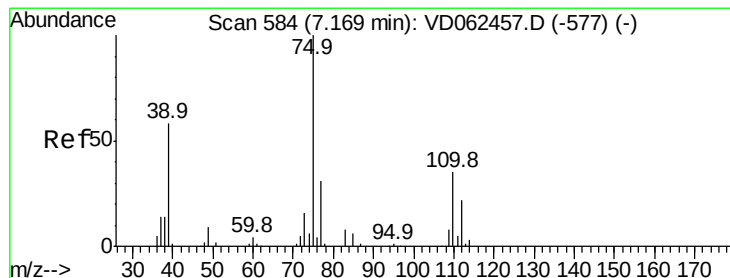
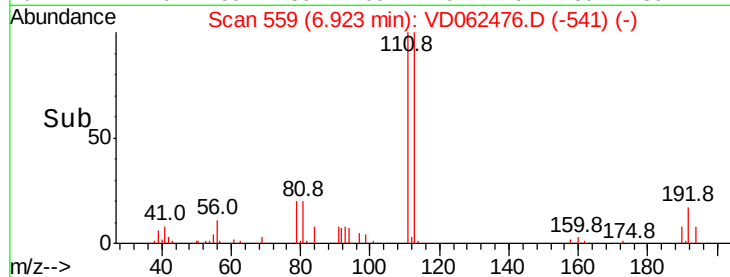
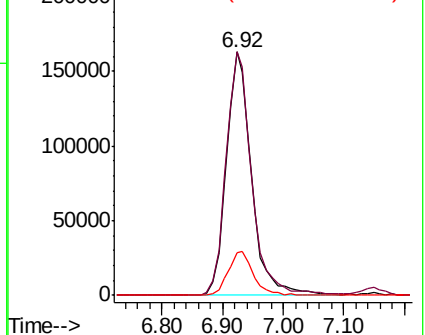
113 100

111 100.1 78.5 117.7

192 17.4 13.0 19.4



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: 22.083 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

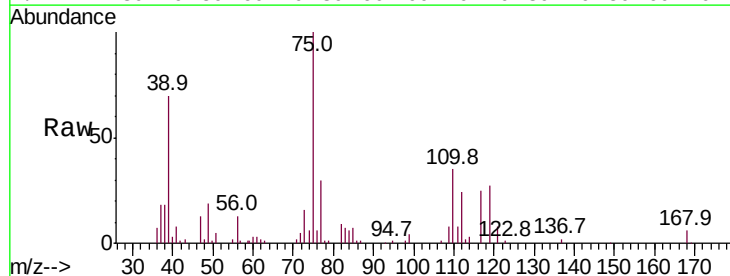
Tgt Ion: 75 Resp: 211250

Ion Ratio Lower Upper

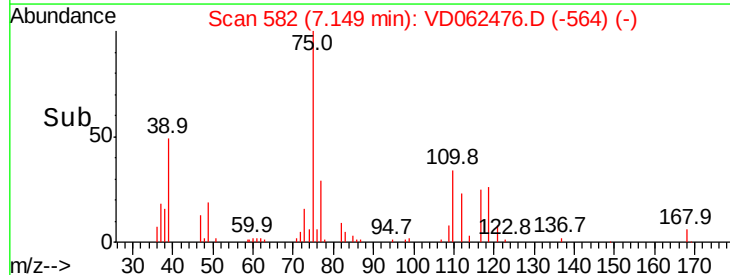
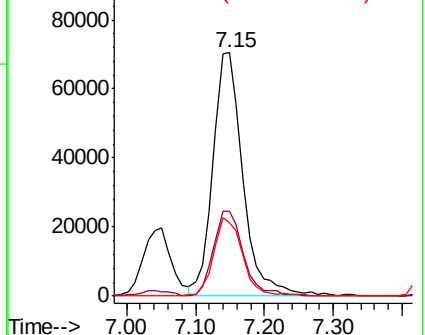
75 100

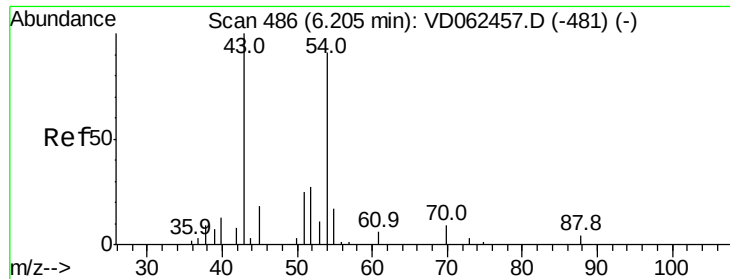
110 34.8 19.1 57.1

77 30.3 25.6 38.4



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

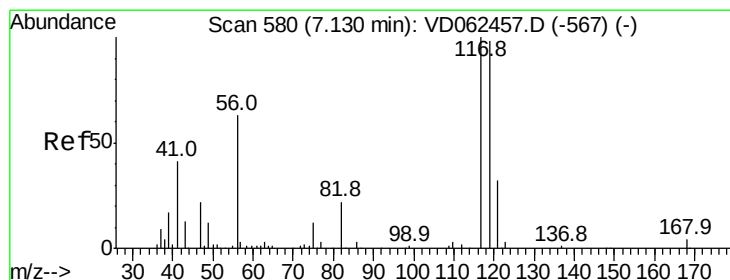
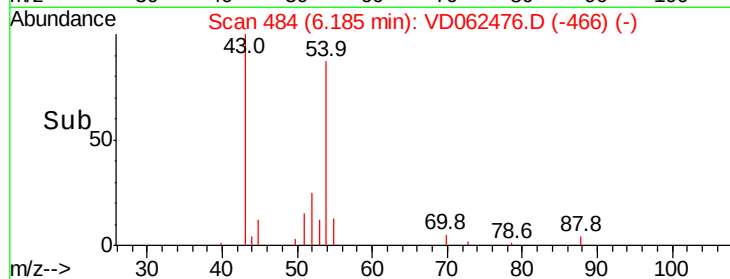
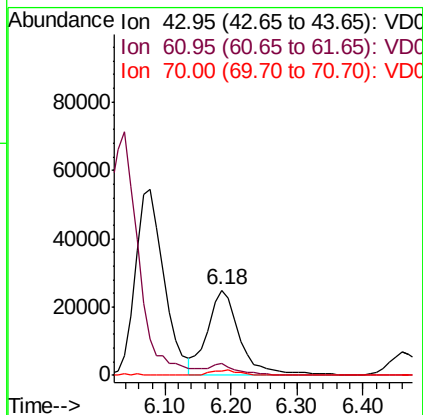
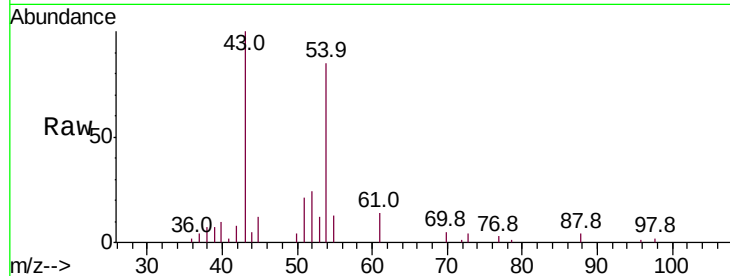




#37
Ethyl Acetate
Concen: 22.752 ug/l
RT: 6.18 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

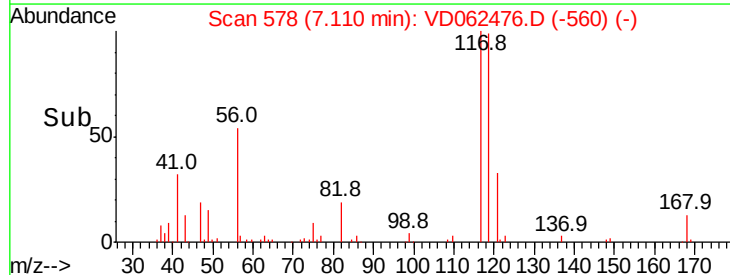
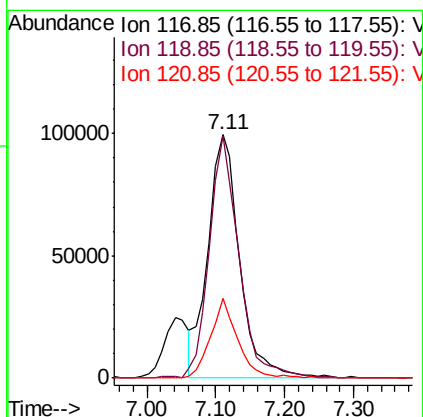
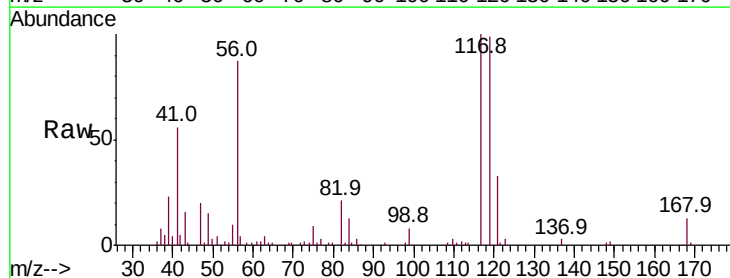
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBS01

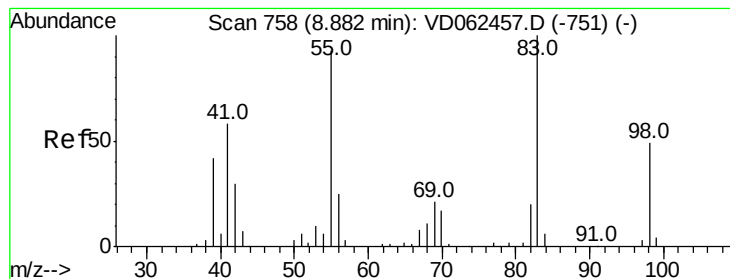
Tot Ion: 43 Resp: 84555
Ion Ratio Lower Upper
43 100
61 13.9 14.7 22.1#
70 5.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 22.363 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.02 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Tgt Ion: 117 Resp: 317950
Ion Ratio Lower Upper
117 100
119 99.4 75.8 113.8
121 32.6 25.9 38.9





#39

Methylvlcyclohexane

Concen: 23.419 ug/l

RT: 8.86 min Scan# 756

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

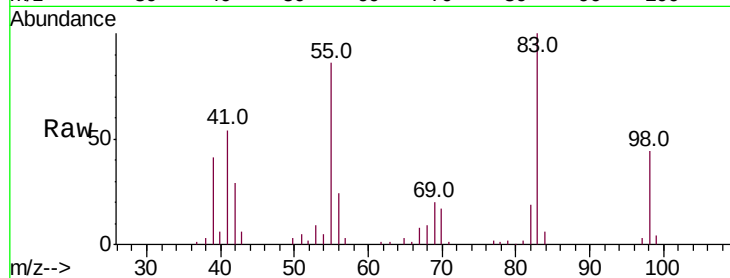
Tot Ion: 83 Resp: 184785

Ion Ratio Lower Upper

83 100

55 86.3 68.2 102.4

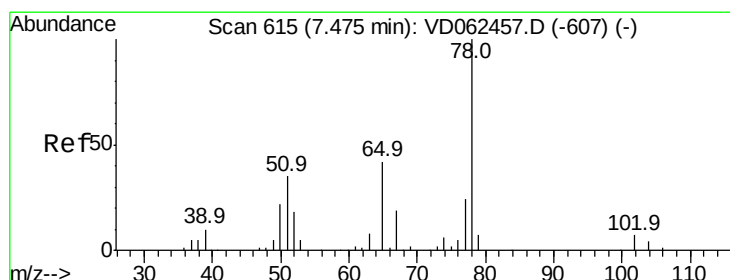
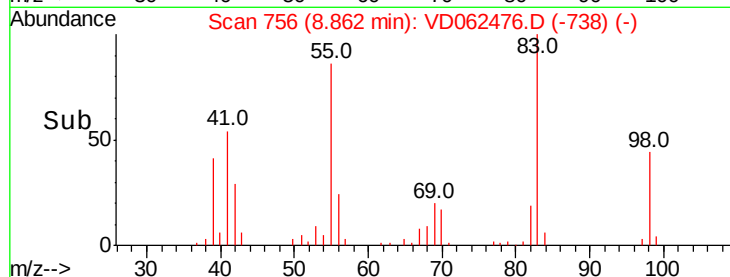
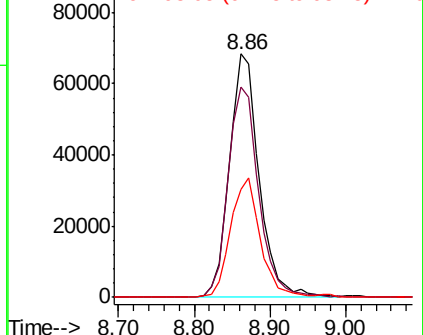
98 44.3 38.2 57.4



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: 23.186 ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.02 min

Lab File: VD062476.D

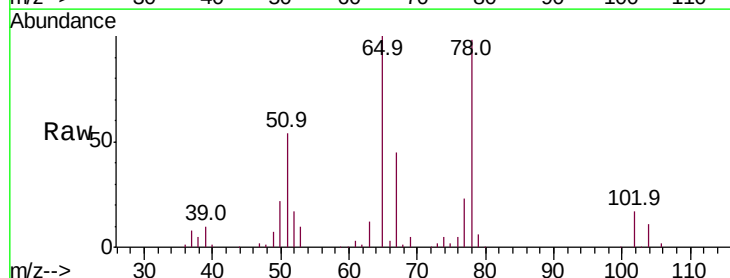
Acq: 21 May 2019 13:02

Tgt Ion: 78 Resp: 435082

Ion Ratio Lower Upper

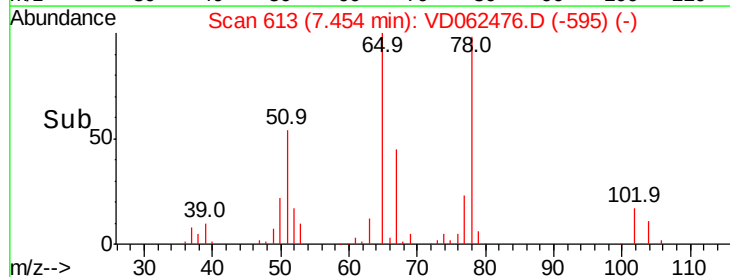
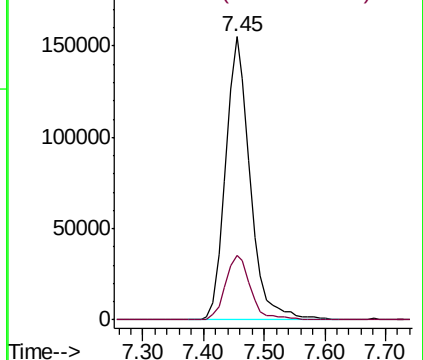
78 100

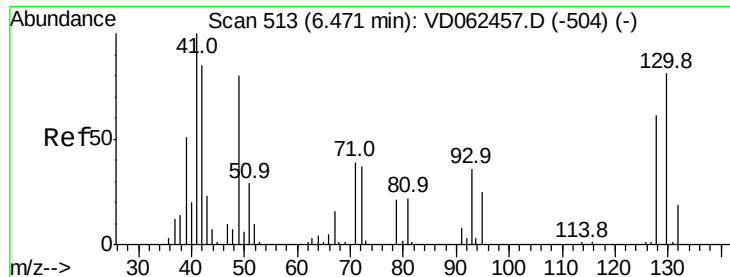
77 23.0 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.316 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

Tot Ion: 41 Resp: 99492

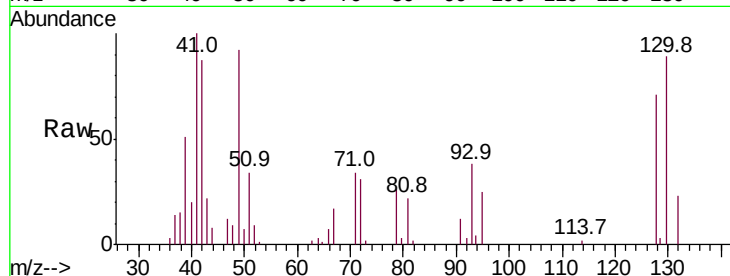
Ion Ratio Lower Upper

41 100

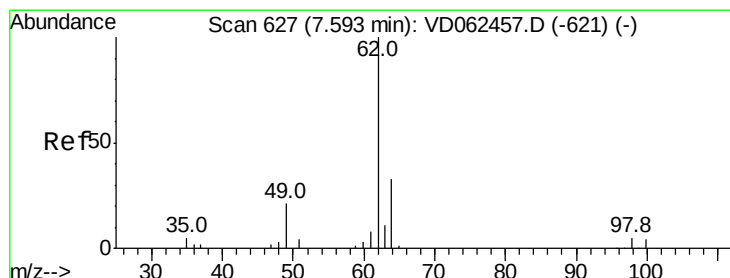
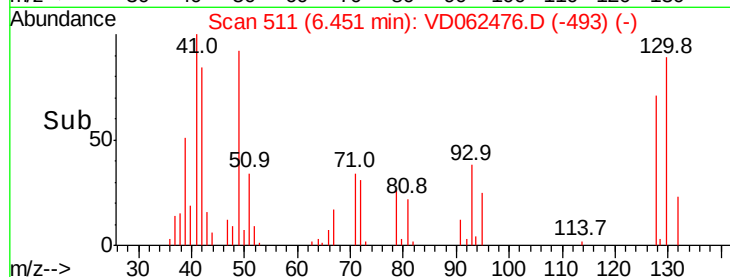
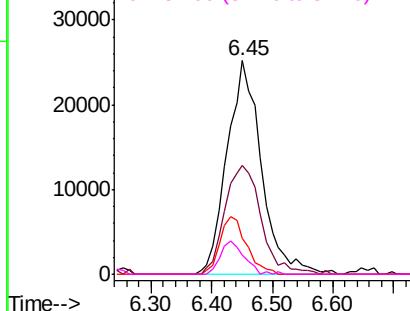
39 51.1 34.1 51.1#

67 16.8 23.8 35.6#

52 9.2 8.8 13.2



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



#42

1,2-Dichloroethane

Concen: 20.590 ug/l

RT: 7.58 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD062476.D

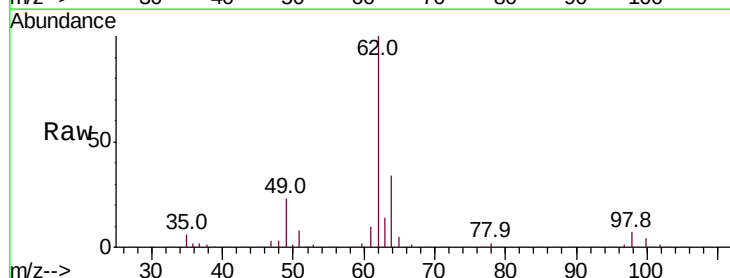
Acq: 21 May 2019 13:02

Tgt Ion: 62 Resp: 204596

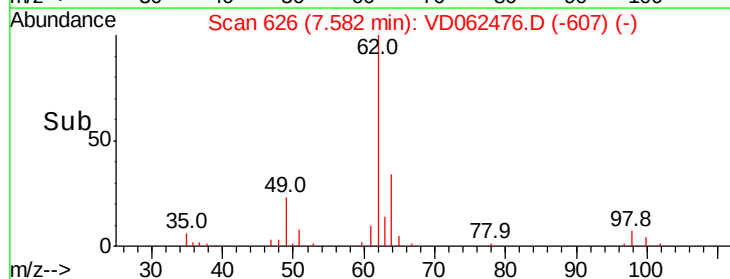
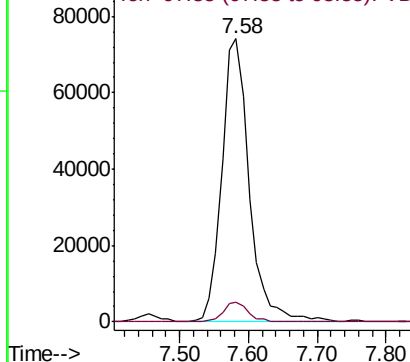
Ion Ratio Lower Upper

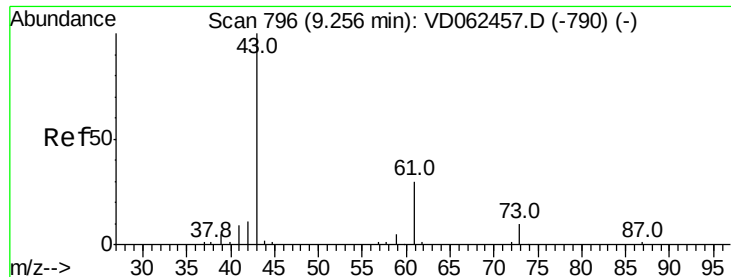
62 100

98 6.8 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 22.356 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

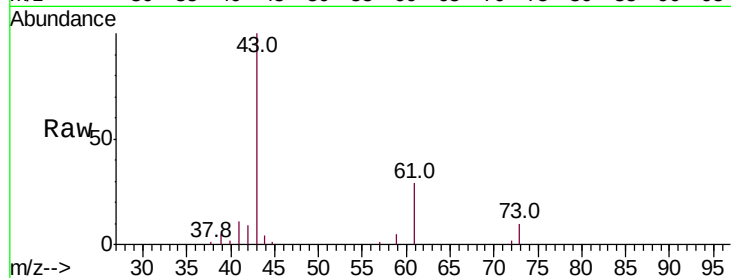
Tot Ion: 43 Resp: 110220

Ion Ratio Lower Upper

43 100

61 29.3 25.1 37.7

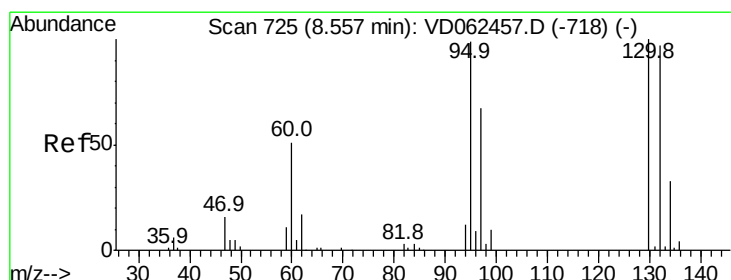
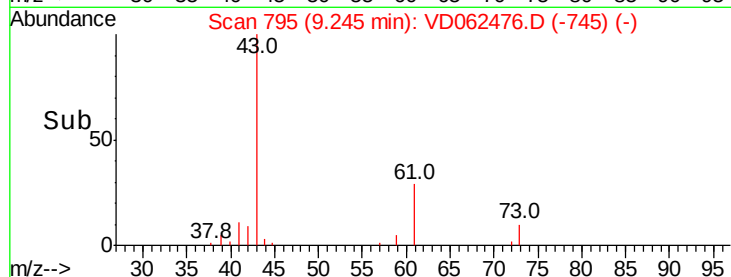
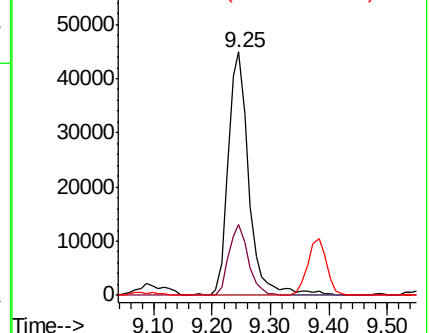
87 0.0 0.0 0.0



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: 21.322 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.01 min

Lab File: VD062476.D

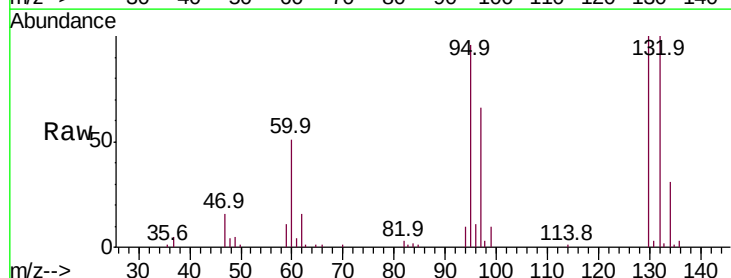
Acq: 21 May 2019 13:02

Tgt Ion:130 Resp: 160197

Ion Ratio Lower Upper

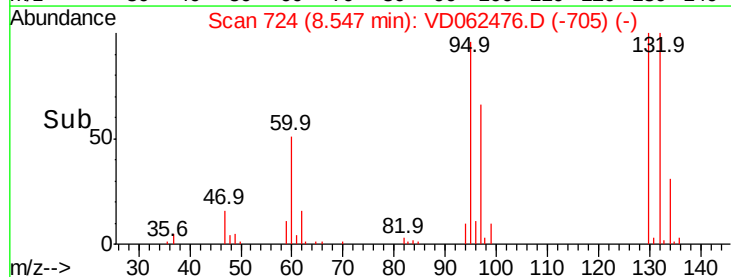
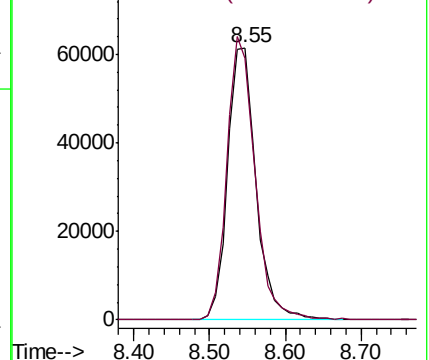
130 100

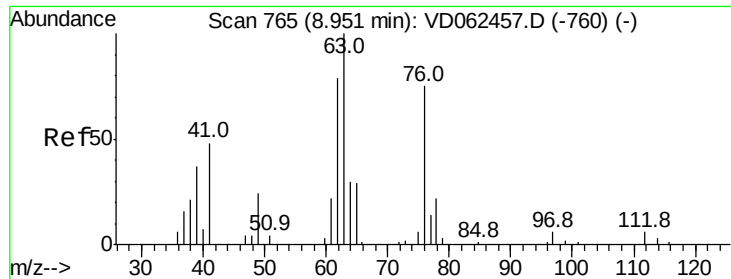
95 96.3 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.868 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

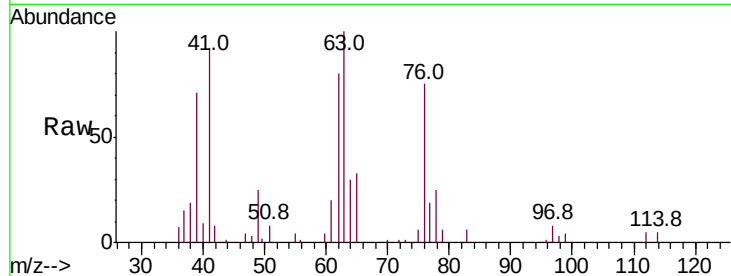
VD0521SBS01

Tot Ion: 63 Resp: 95425

Ion Ratio Lower Upper

63 100

65 33.3 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

40000

30000

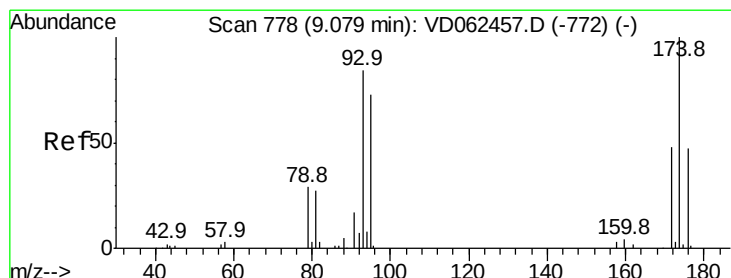
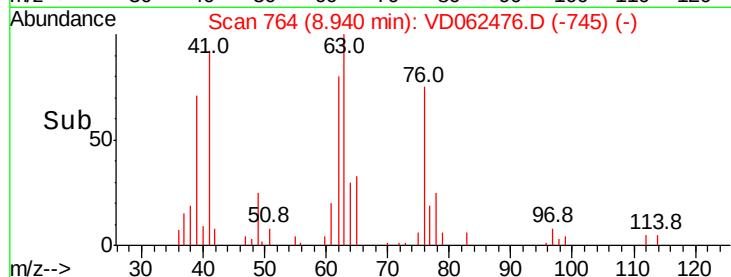
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 21.119 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

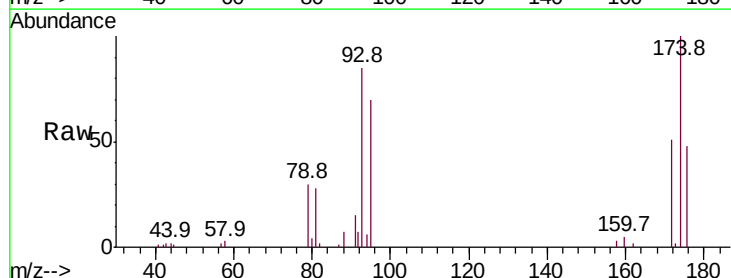
Tgt Ion: 93 Resp: 87541

Ion Ratio Lower Upper

93 100

95 82.2 64.8 97.2

174 117.7 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

50000

40000

30000

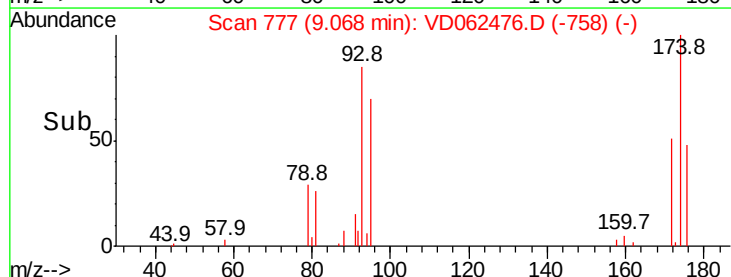
20000

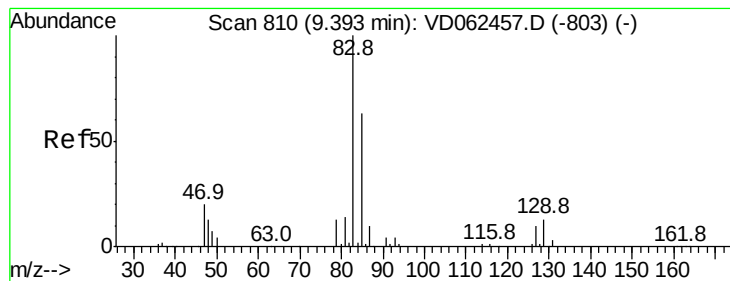
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 21.495 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

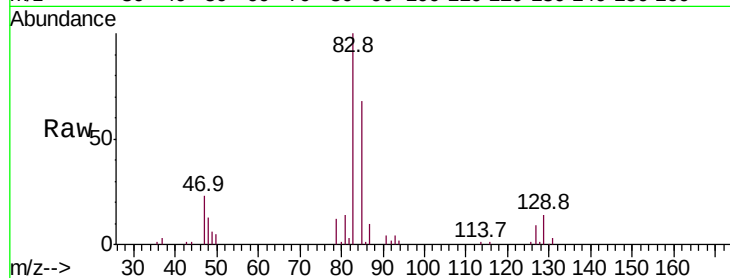
Tot Ion: 83 Resp: 226665

Ion Ratio Lower Upper

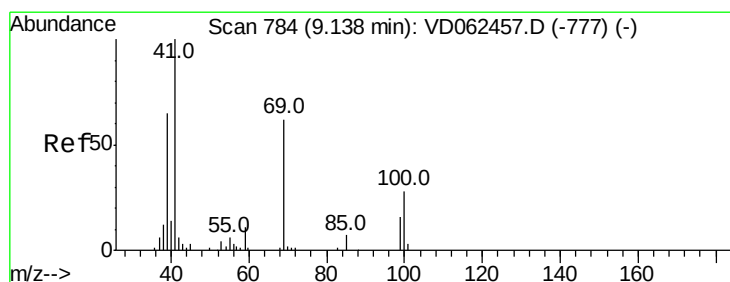
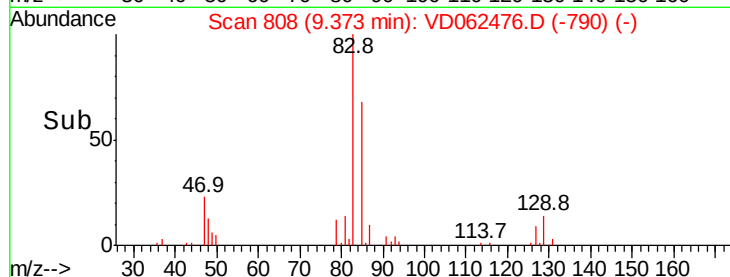
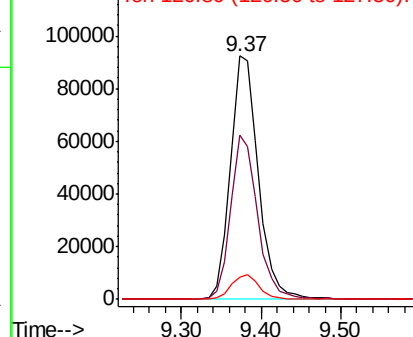
83 100

85 67.6 50.9 76.3

127 9.1 8.1 12.1



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: 20.200 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

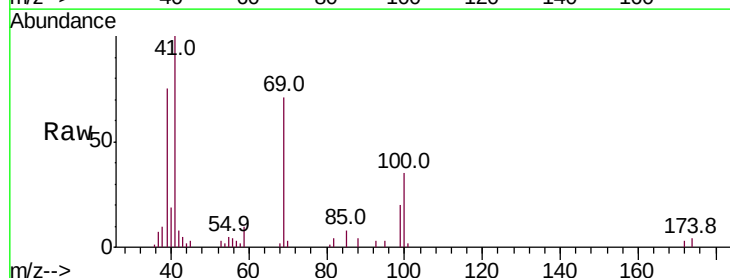
Tgt Ion: 41 Resp: 67018

Ion Ratio Lower Upper

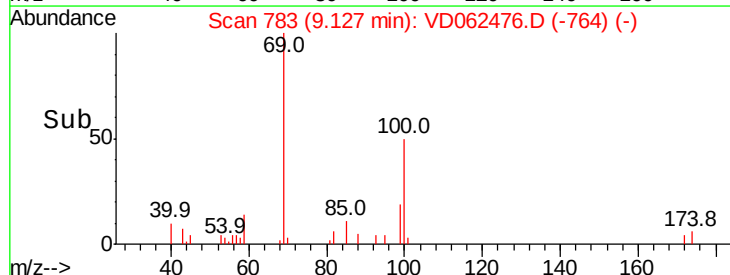
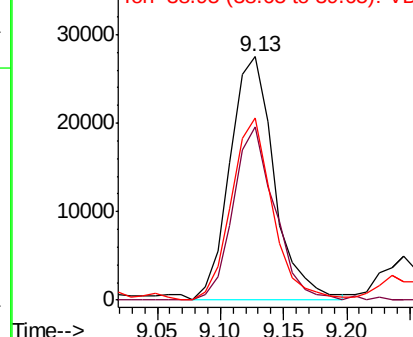
41 100

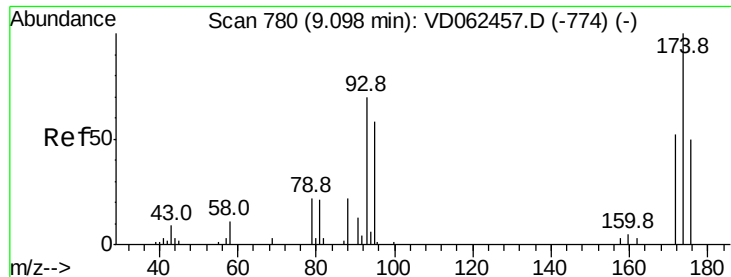
69 71.1 64.2 96.2

39 74.8 46.8 70.2#



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

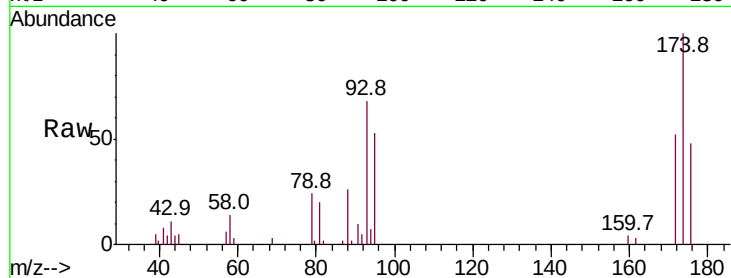




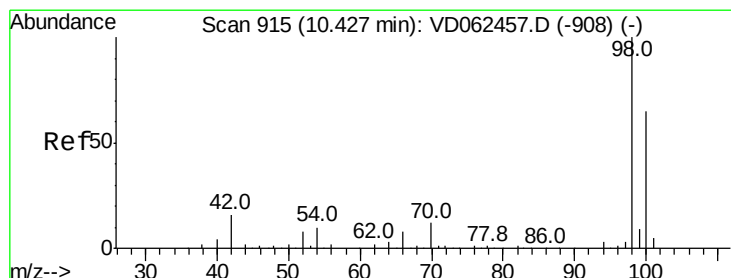
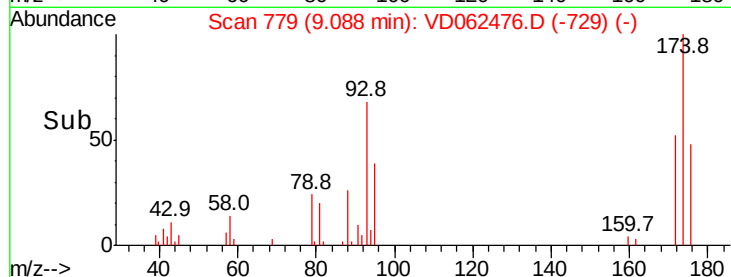
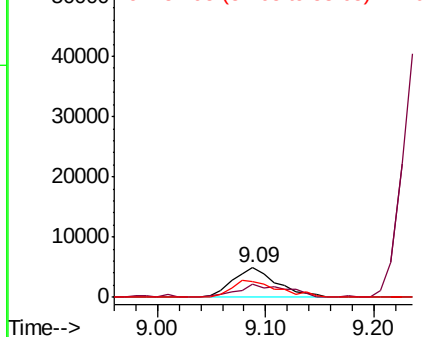
#49
 1,4-Dioxane
 Concen: 469.670 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

Tot Ion: 88 Resp: 13977
 Ion Ratio Lower Upper
 88 100
 43 43.0 23.4 35.0#
 58 52.2 44.0 66.0

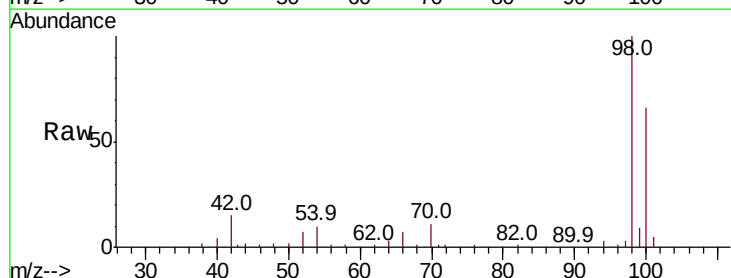


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

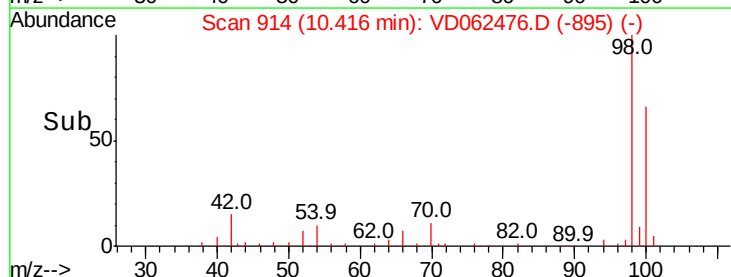
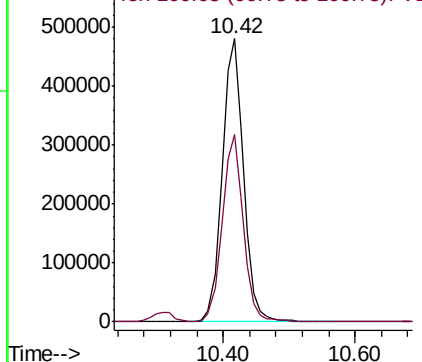


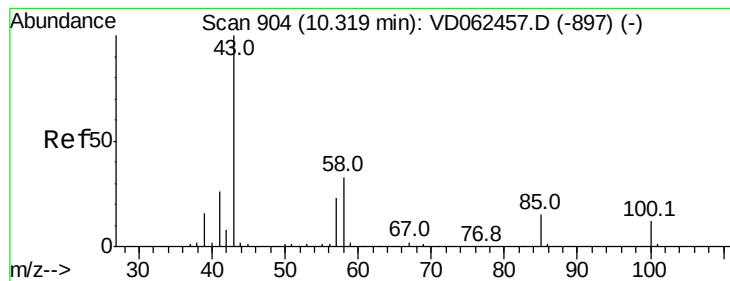
#50
 Toluene-d8
 Concen: 54.854 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion: 98 Resp: 1083564
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.8 80.8



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: 105.727 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

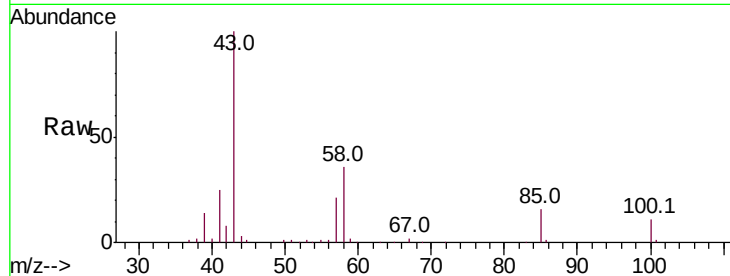
VD0521SBS01

Tot Ion: 43 Resp: 344351

Ion Ratio Lower Upper

43 100

58 36.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

150000

100000

50000

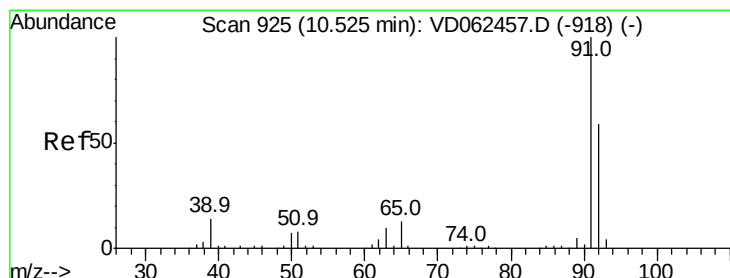
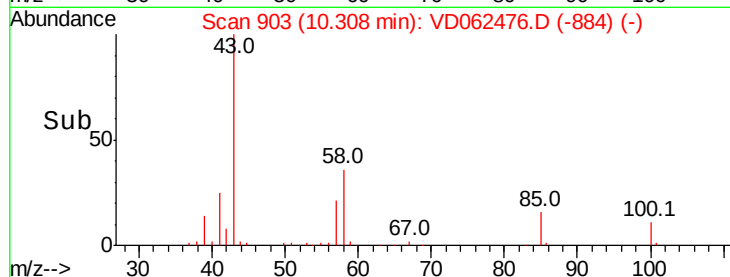
0

Time-->

10.20

10.30

10.40



#52

Toluene

Concen: 22.600 ug/l

RT: 10.51 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD062476.D

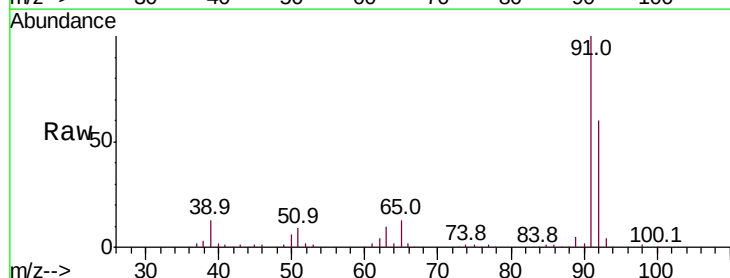
Acq: 21 May 2019 13:02

Tgt Ion: 92 Resp: 290317

Ion Ratio Lower Upper

92 100

91 166.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

100000

50000

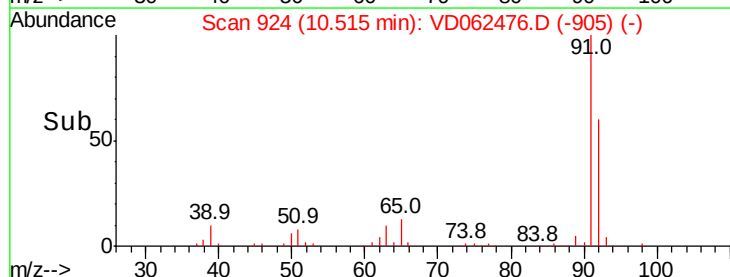
0

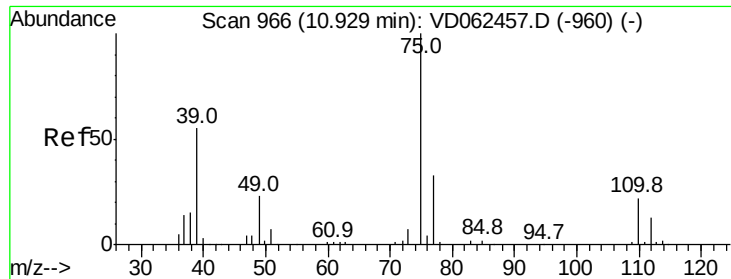
Time-->

10.40

10.50

10.60

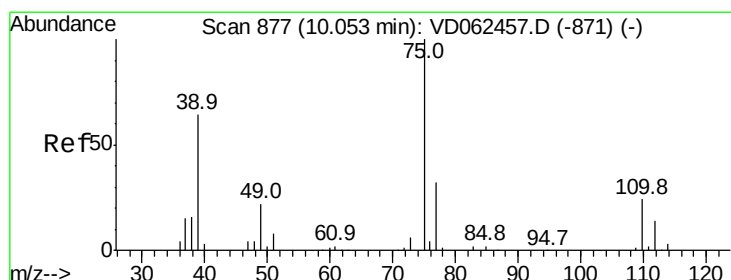
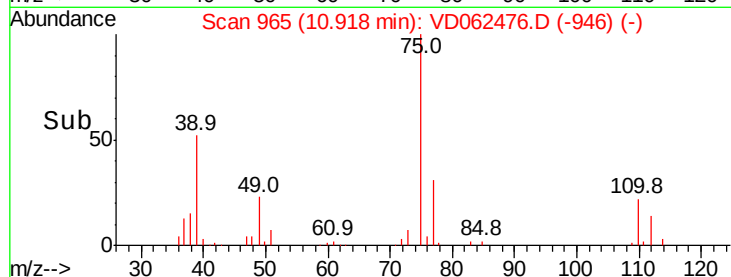
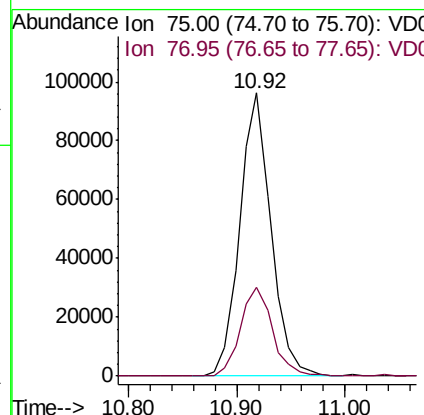
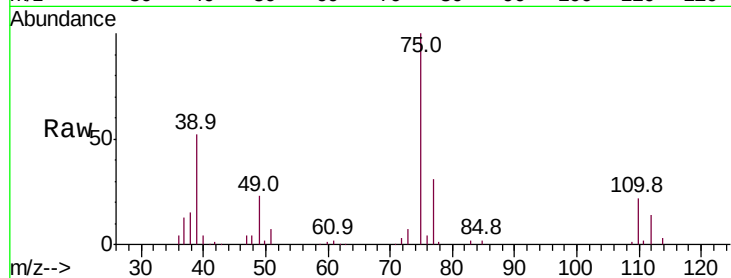




#53
 t-1,3-Dichloropropene
 Concen: 21.846 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

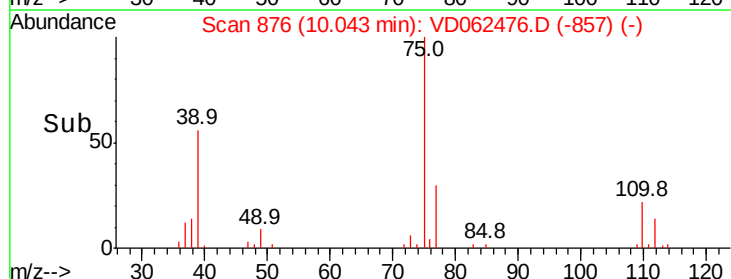
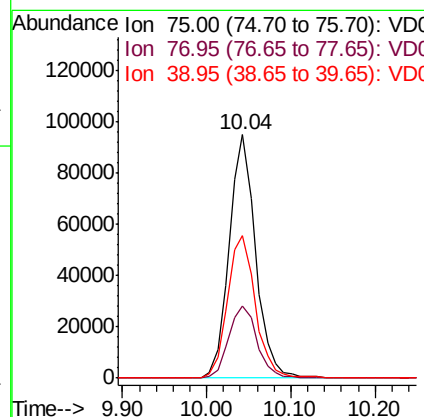
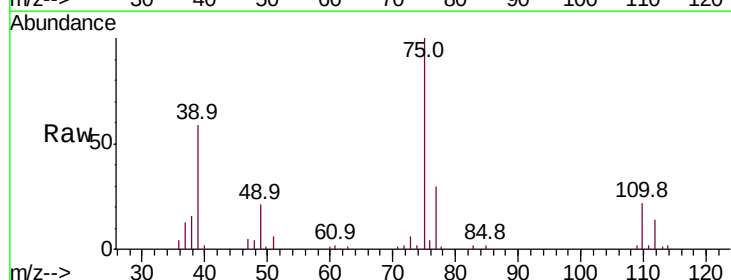
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

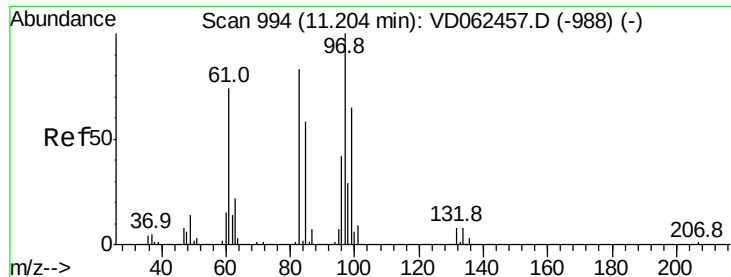
Tot Ion: 75 Resp: 191792
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.529 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion: 75 Resp: 206383
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.5 38.3
 39 58.6 39.4 59.2

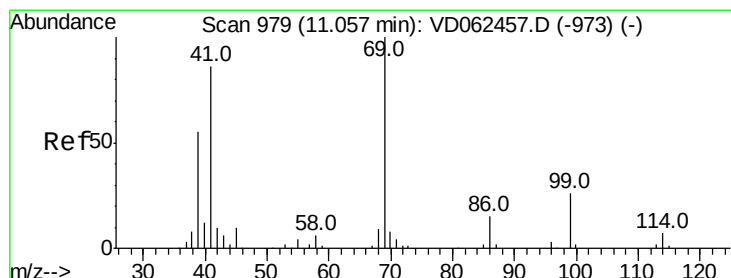
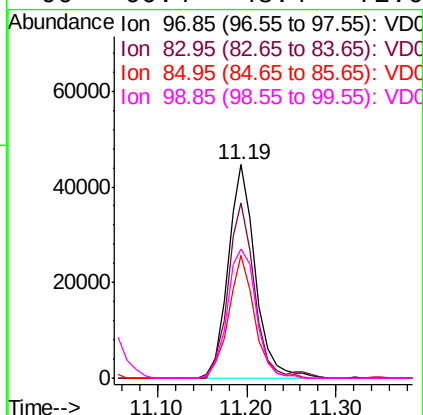
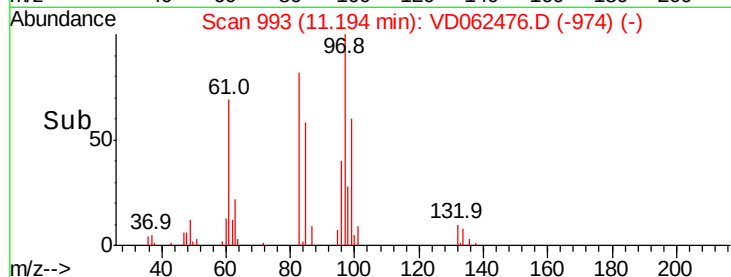
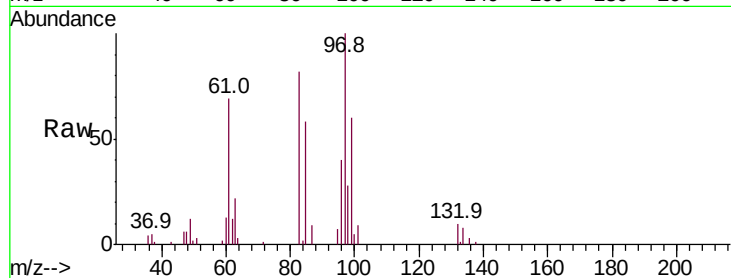




#55
 1,1,2-Trichloroethane
 Concen: 21.981 ug/l
 RT: 11.19 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

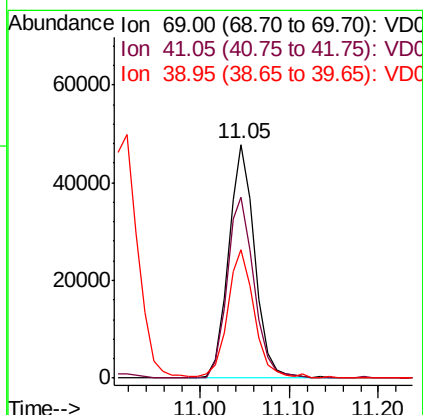
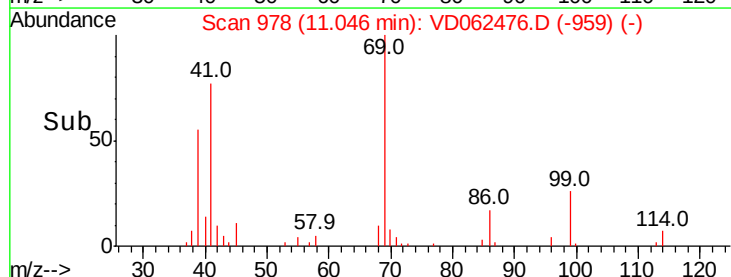
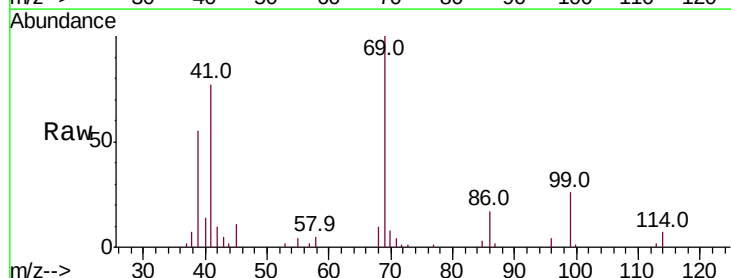
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

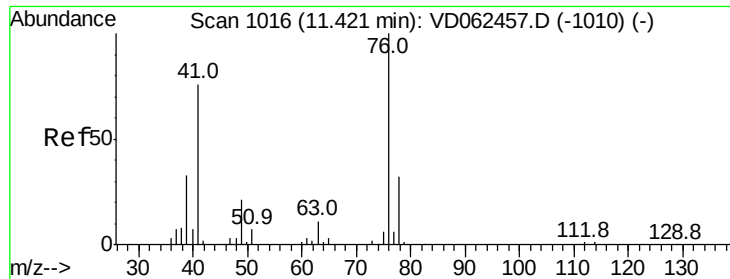
Tot Ion:	97	Resp:	95699
Ion	Ratio	Lower	Upper
97	100		
83	82.0	65.7	98.5
85	57.8	45.6	68.4
99	60.4	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 21.080 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion:	69	Resp:	98110
Ion	Ratio	Lower	Upper
69	100		
41	77.4	56.3	84.5
39	55.0	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 22.224 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

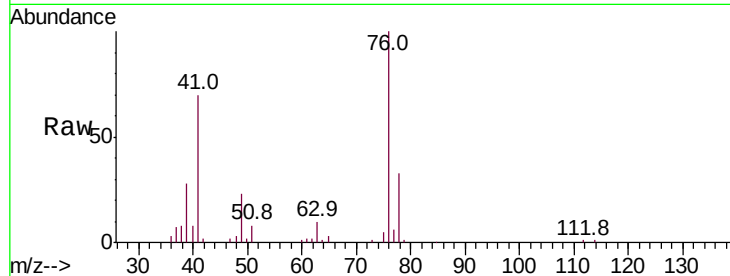
VD0521SBS01

Tot Ion: 76 Resp: 148386

Ion Ratio Lower Upper

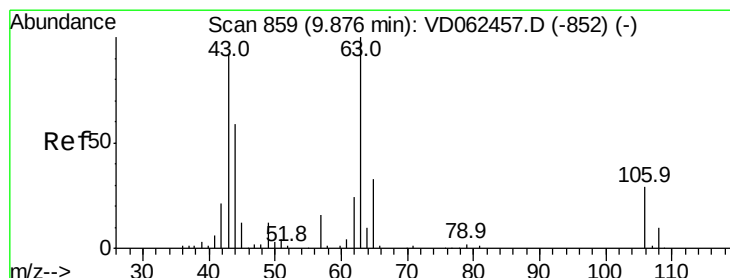
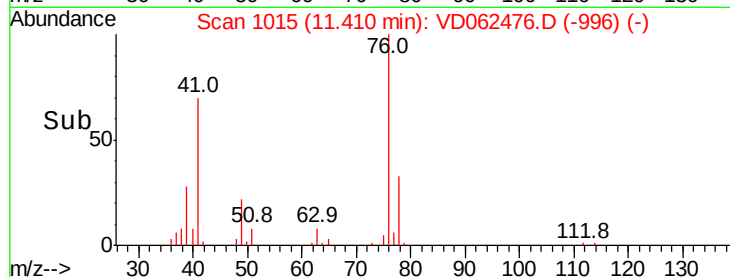
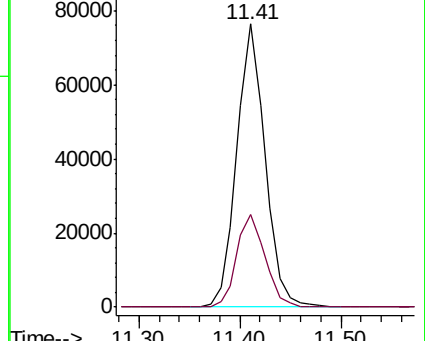
76 100

78 32.9 26.2 39.2



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: 101.120 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.02 min

Lab File: VD062476.D

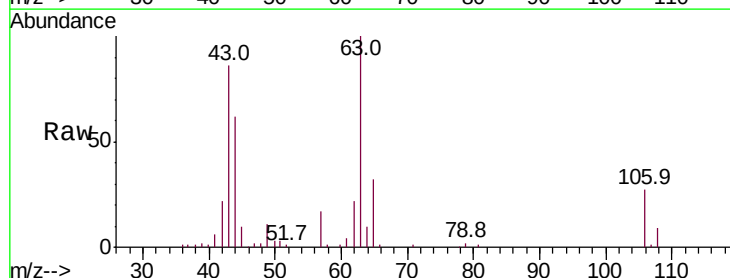
Acq: 21 May 2019 13:02

Tgt Ion: 63 Resp: 241669

Ion Ratio Lower Upper

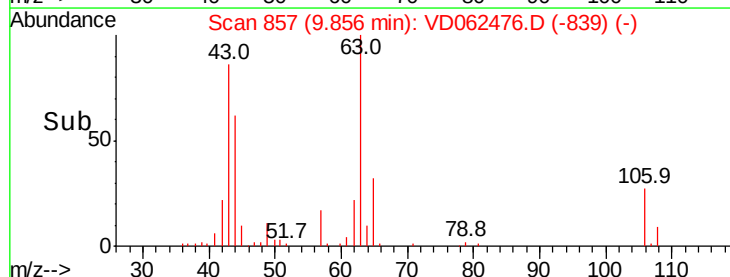
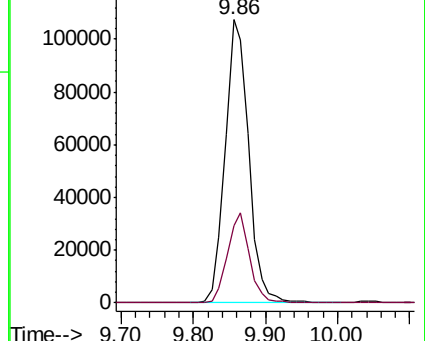
63 100

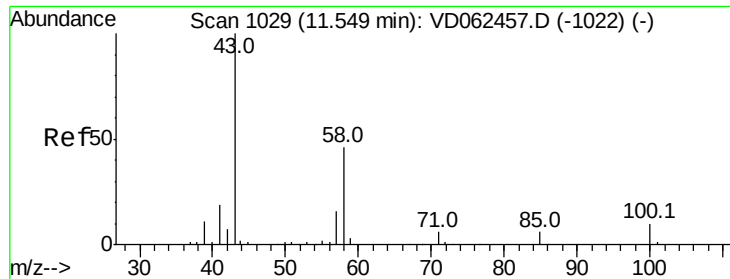
106 27.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 112.962 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

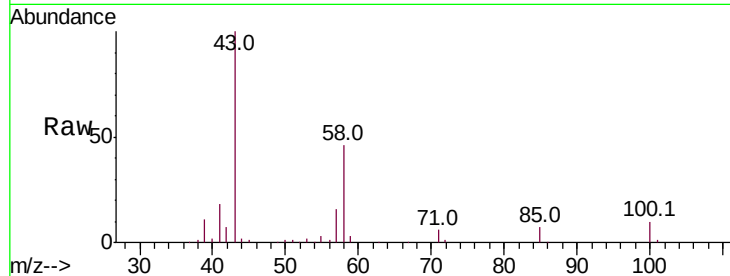
VD0521SBS01

Tot Ion: 43 Resp: 267392

Ion Ratio Lower Upper

43 100

58 46.1 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

11.54

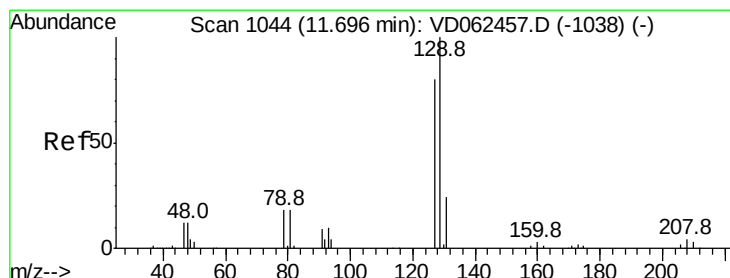
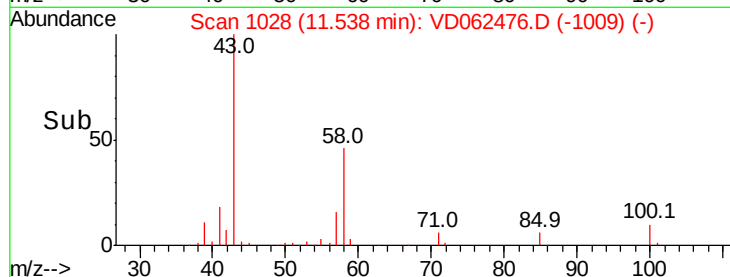
150000

100000

50000

0

Time--> 11.40 11.50 11.60 11.70



#60

Dibromochloromethane

Concen: 20.195 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VD062476.D

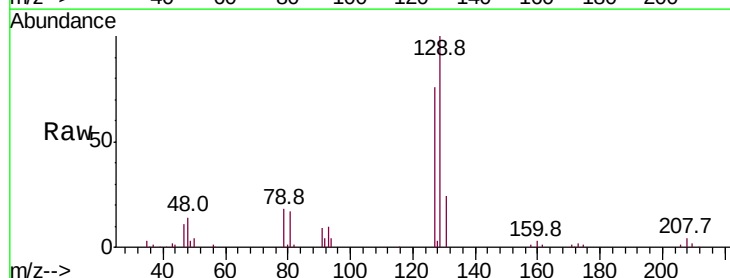
Acq: 21 May 2019 13:02

Tgt Ion: 129 Resp: 168872

Ion Ratio Lower Upper

129 100

127 76.4 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.69

100000

80000

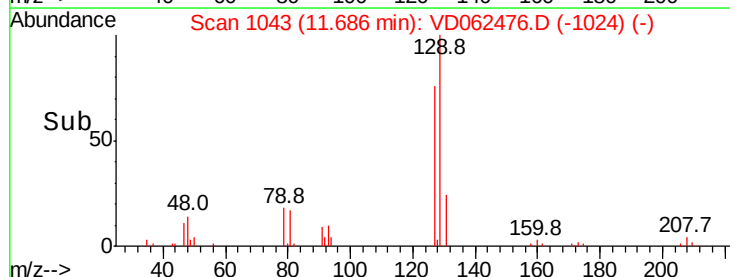
60000

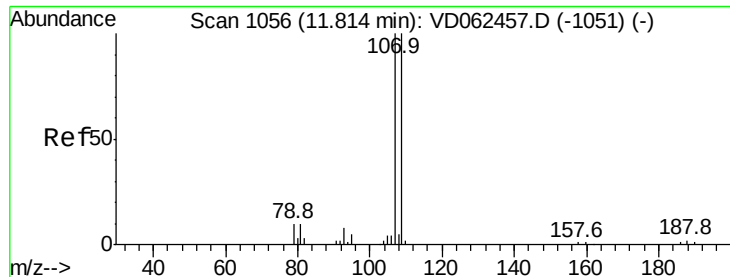
40000

20000

0

Time--> 11.60 11.70 11.80

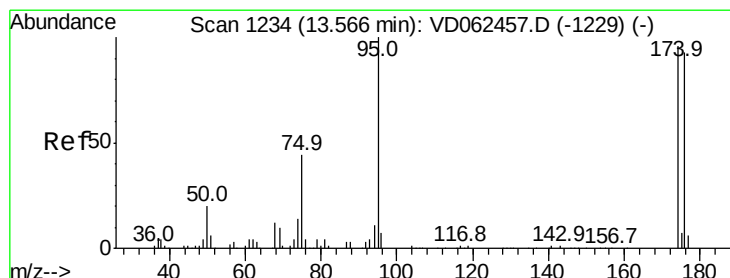
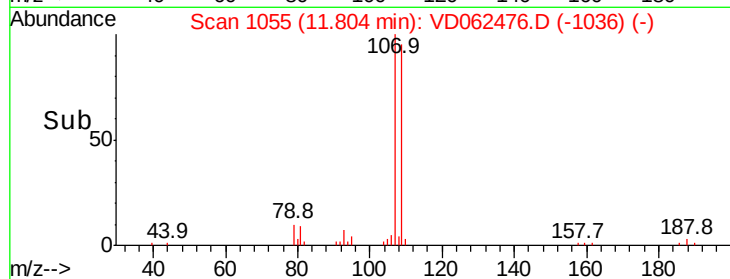
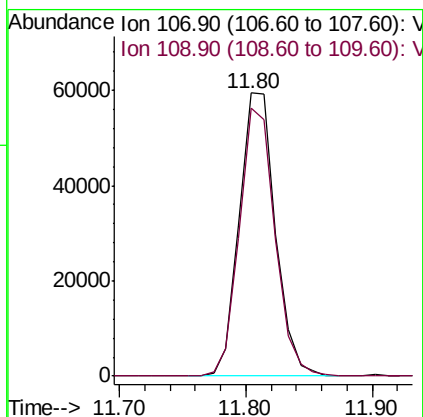
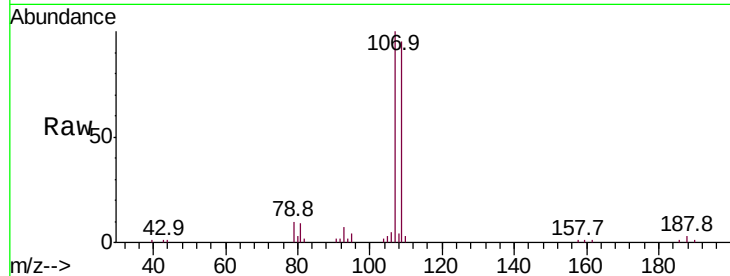




#61
 1,2-Dibromoethane
 Concen: 21.928 ug/l
 RT: 11.80 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

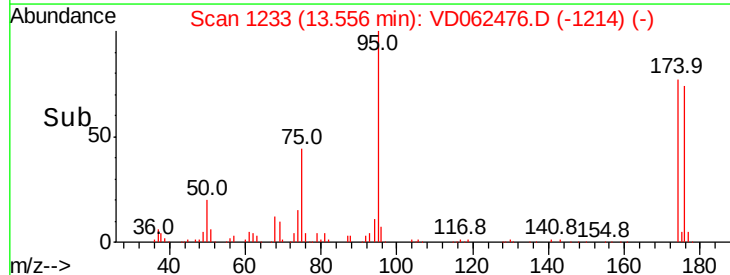
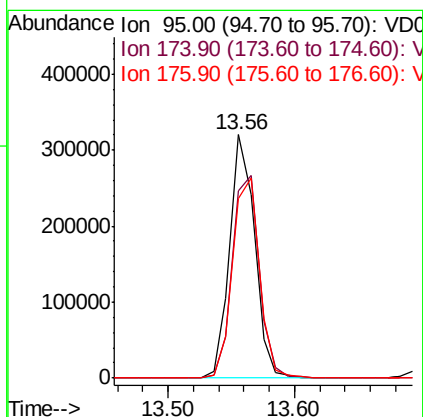
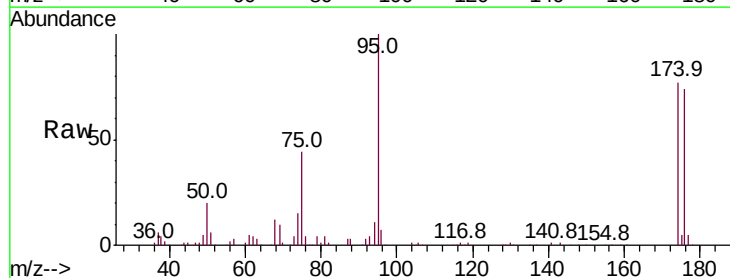
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

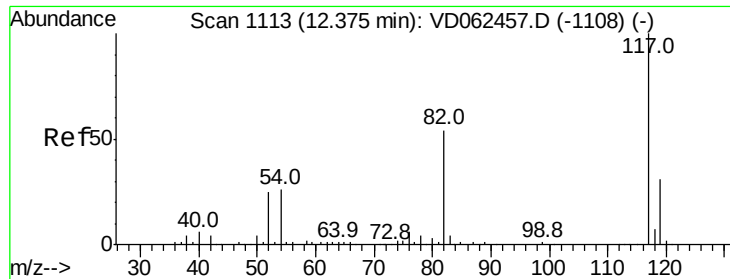
Tot Ion:107 Resp: 117651
 Ion Ratio Lower Upper
 107 100
 109 94.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.561 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion: 95 Resp: 436900
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 181.8
 176 73.6 0.0 174.4

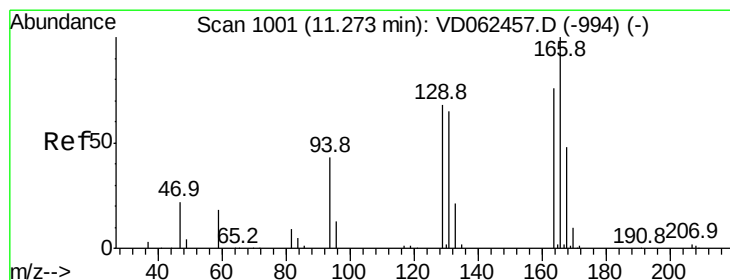
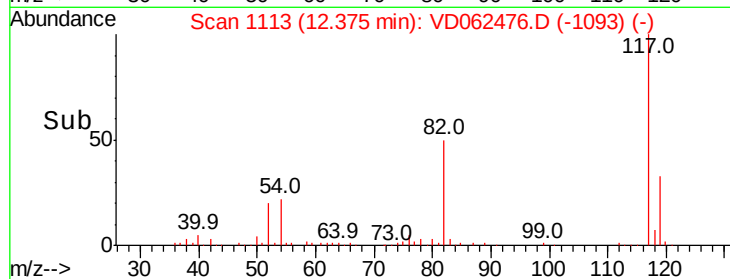
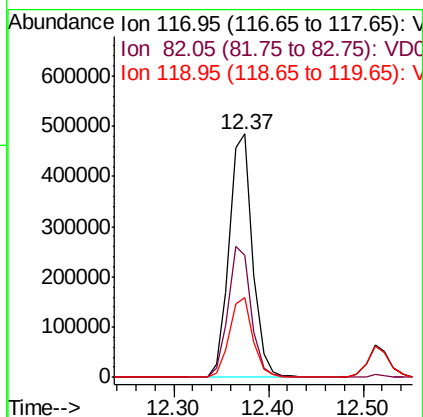
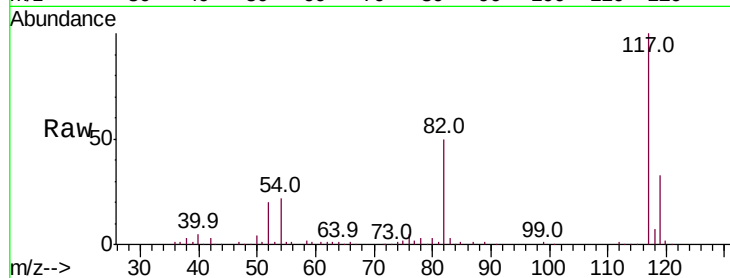




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

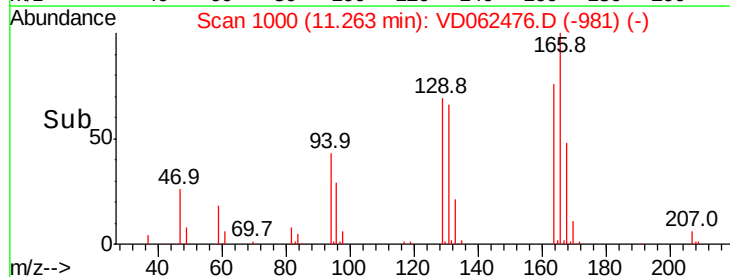
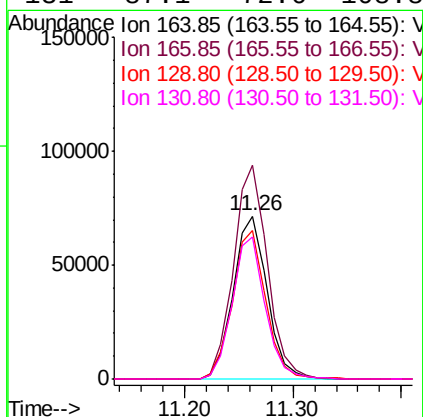
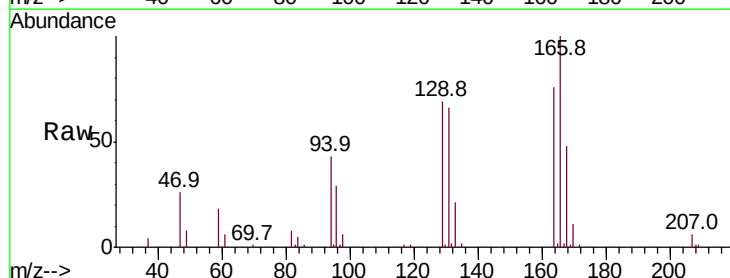
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBS01

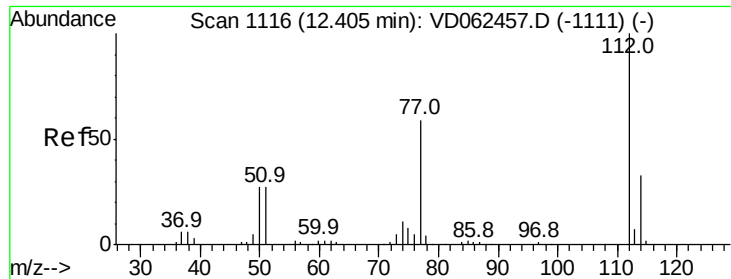
Tot Ion:117 Resp: 833316
Ion Ratio Lower Upper
117 100
82 50.0 36.2 54.2
119 32.6 26.2 39.4



#64
Tetrachloroethene
Concen: 22.179 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Tgt Ion:164 Resp: 154754
Ion Ratio Lower Upper
164 100
166 131.2 101.5 152.3
129 91.0 74.6 112.0
131 87.1 72.6 108.8

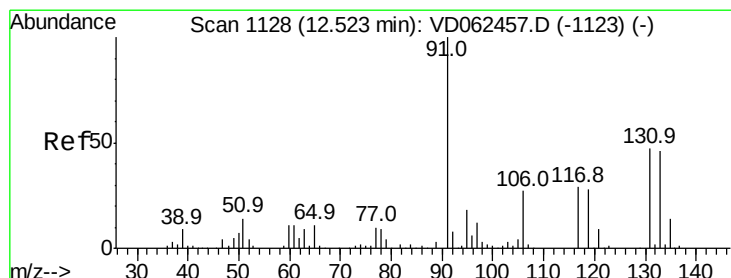
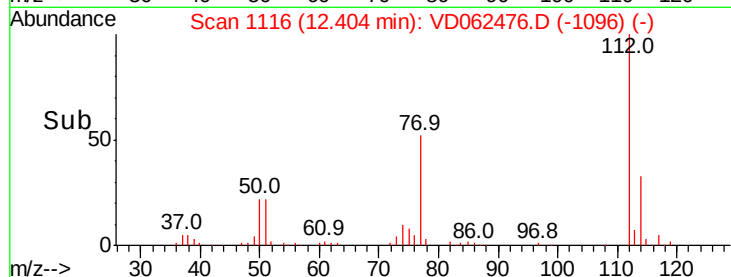
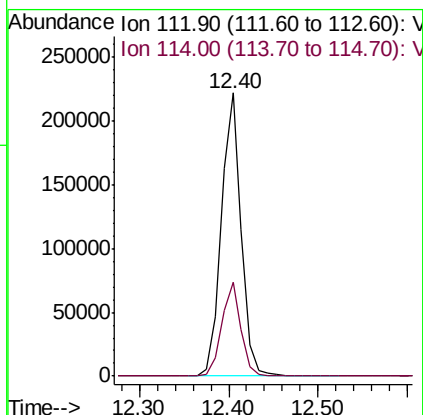
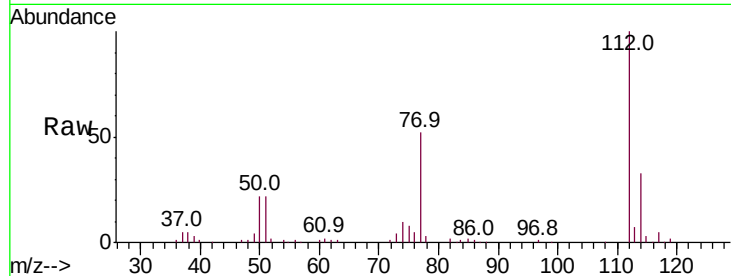




#65
Chlorobenzene
Concen: 21.604 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

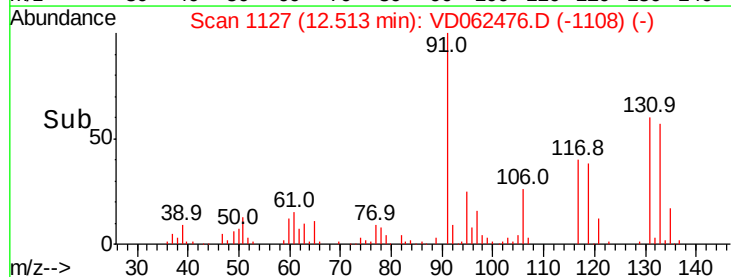
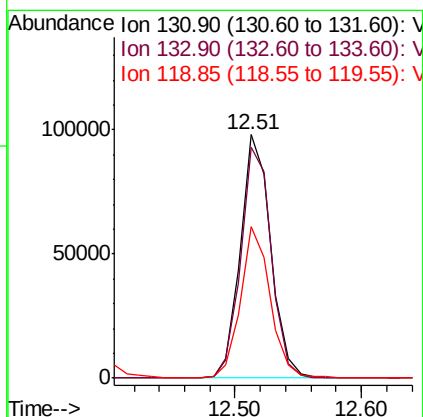
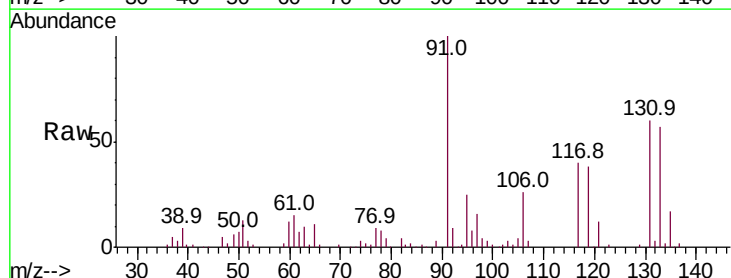
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBS01

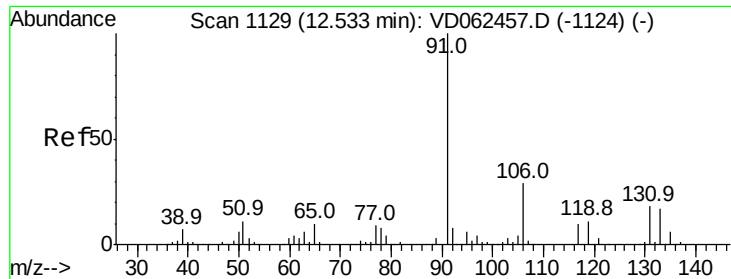
Tot Ion:112 Resp: 346212
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.949 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Tgt Ion:131 Resp: 162358
Ion Ratio Lower Upper
131 100
133 94.9 48.6 145.8
119 62.4 34.7 104.1

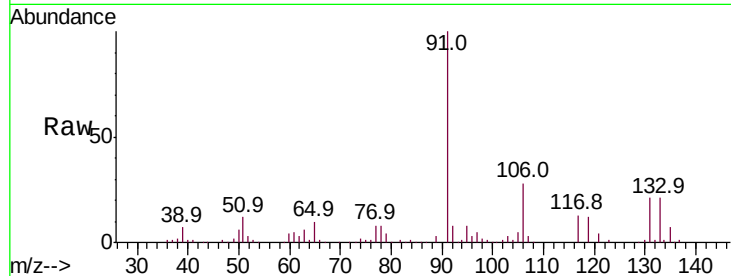




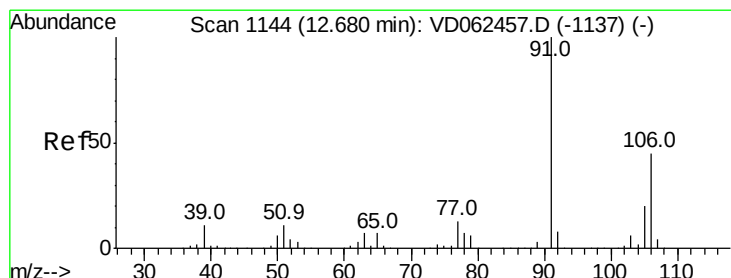
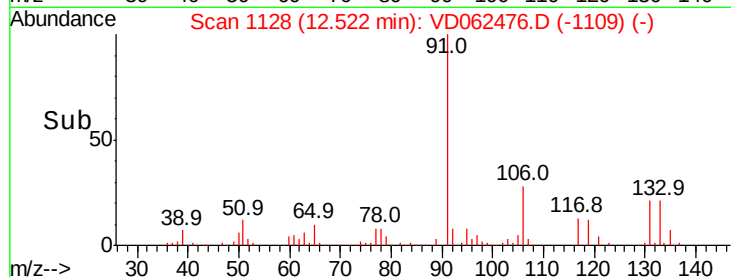
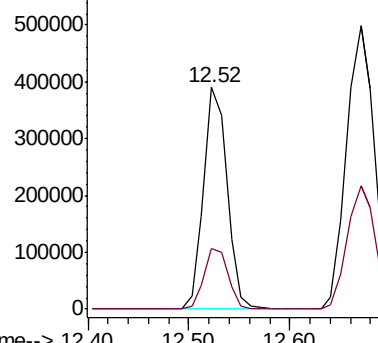
#67
Ethyl Benzene
Concen: 22.995 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0521SBS01

Tot Ion: 91 Resp: 634719
Ion Ratio Lower Upper
91 100
106 27.6 24.7 37.1

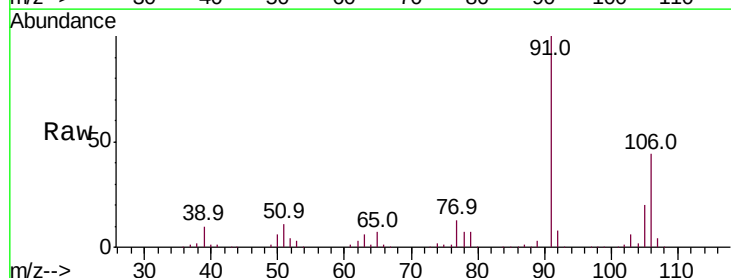


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

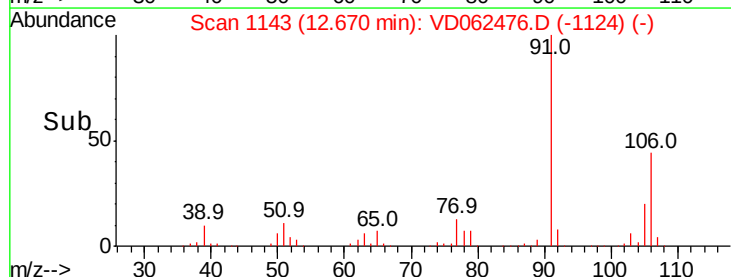
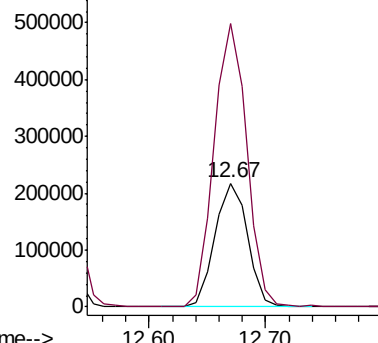


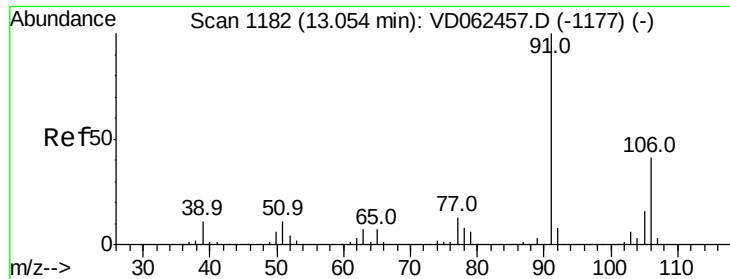
#68
m/p-Xylenes
Concen: 42.624 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Tgt Ion: 106 Resp: 422326
Ion Ratio Lower Upper
106 100
91 229.3 164.0 246.0



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

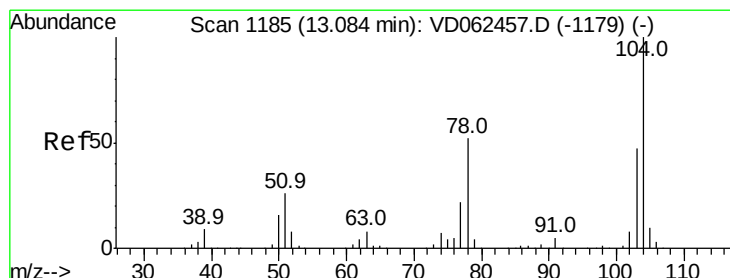
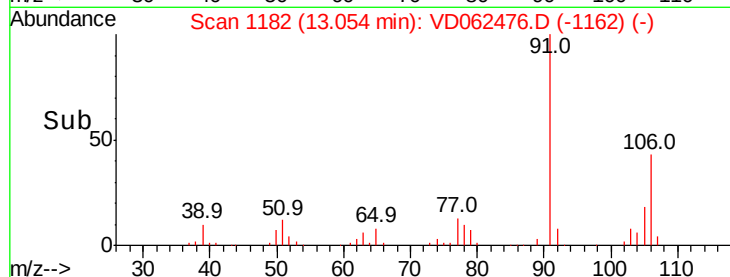
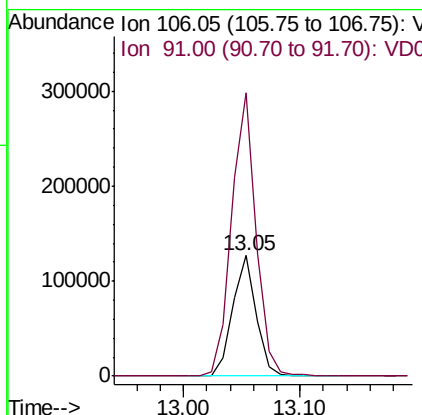
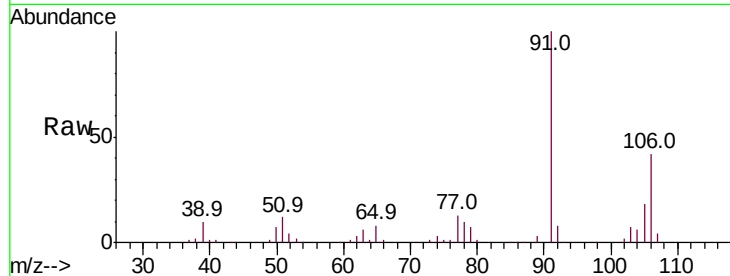




#69
o-Xylene
Concen: 18.944 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

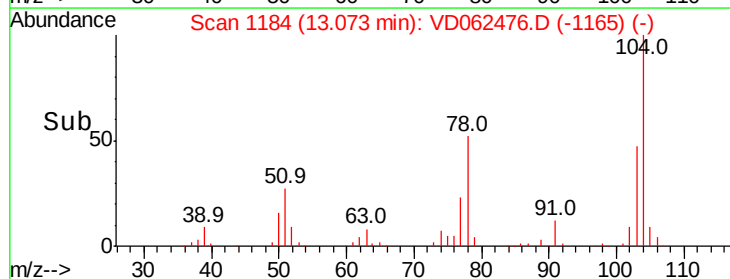
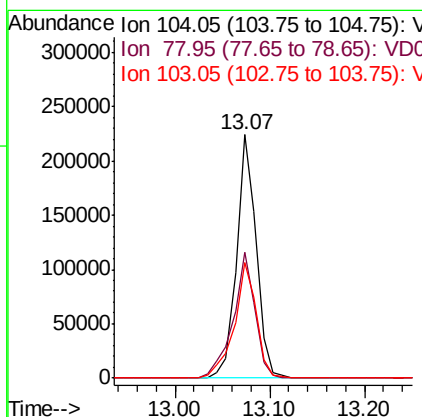
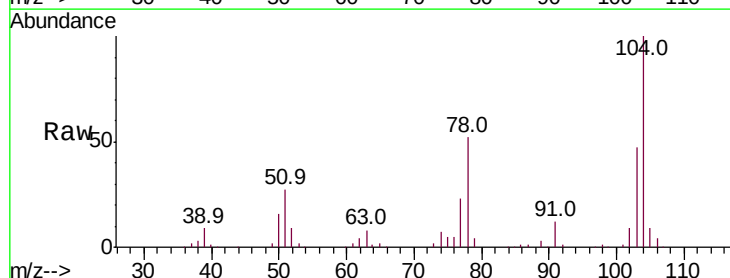
Instrument :
MSVOA_D
ClientSampleId :
VD0521SBS01

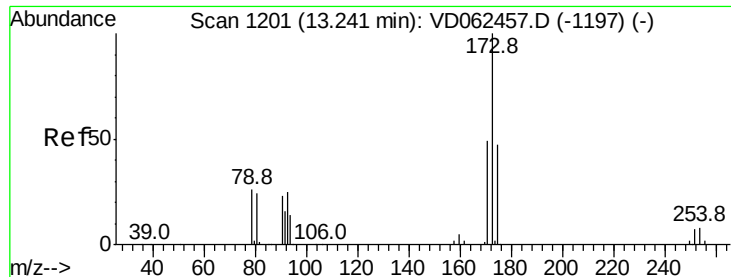
Tot Ion:106 Resp: 177096
Ion Ratio Lower Upper
106 100
91 235.4 106.7 319.9



#70
Styrene
Concen: 20.244 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Tgt Ion:104 Resp: 321944
Ion Ratio Lower Upper
104 100
78 51.5 35.4 53.2
103 47.3 37.5 56.3





#71

Bromoform

Concen: 21.631 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

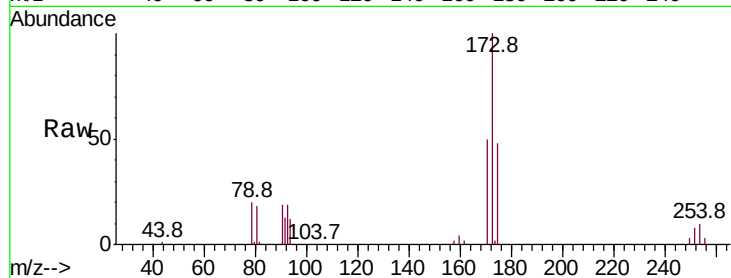
Tot Ion:173 Resp: 106264

Ion Ratio Lower Upper

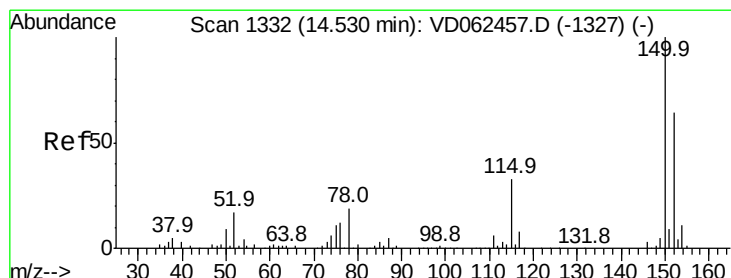
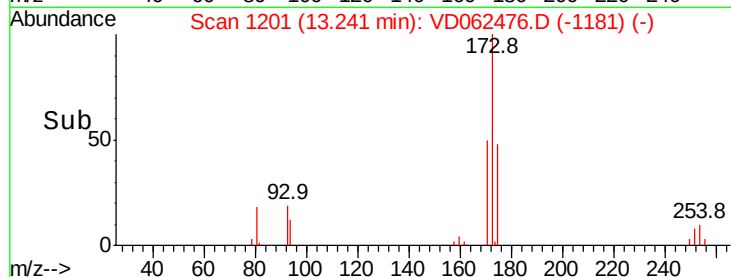
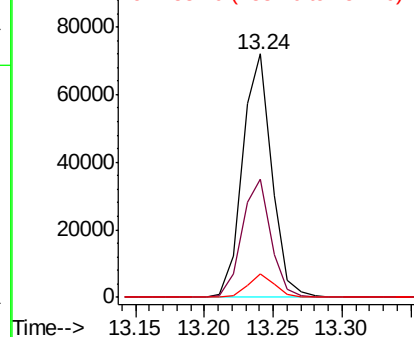
173 100

175 48.3 24.4 73.4

254 9.8 5.4 8.2#



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# 1331

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

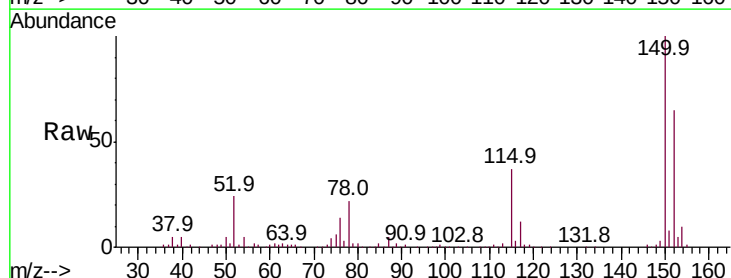
Tgt Ion:152 Resp: 438397

Ion Ratio Lower Upper

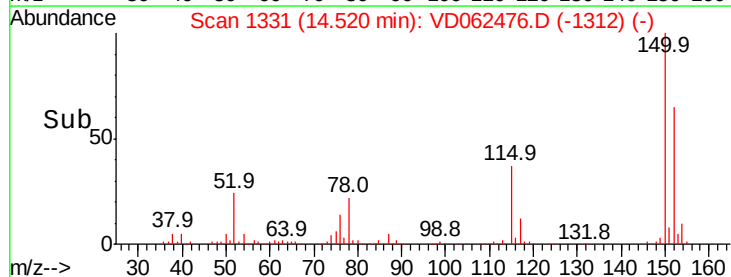
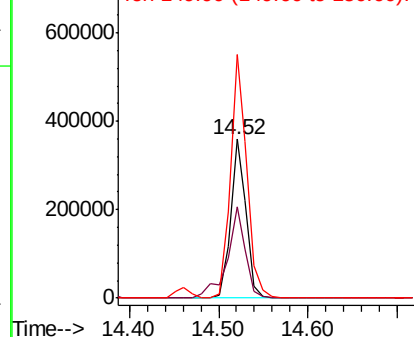
152 100

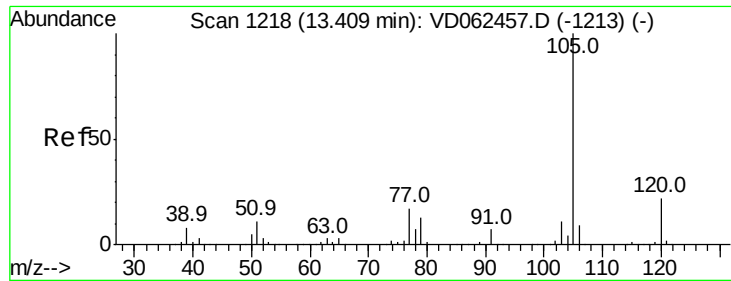
115 57.5 30.9 92.7

150 153.5 0.0 314.8



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: 21.820 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

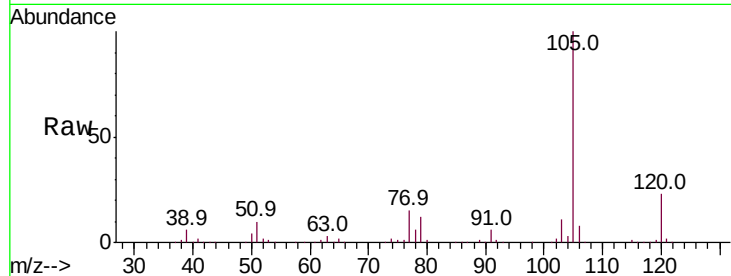
VD0521SBS01

Tot Ion:105 Resp: 602970

Ion Ratio Lower Upper

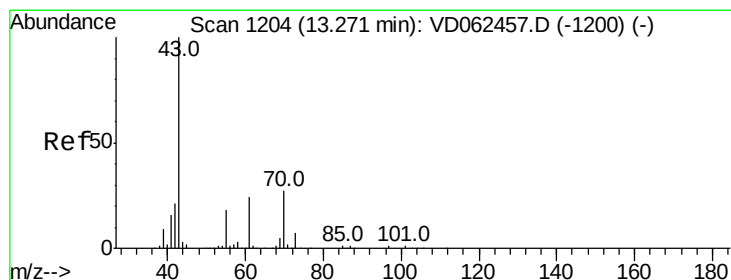
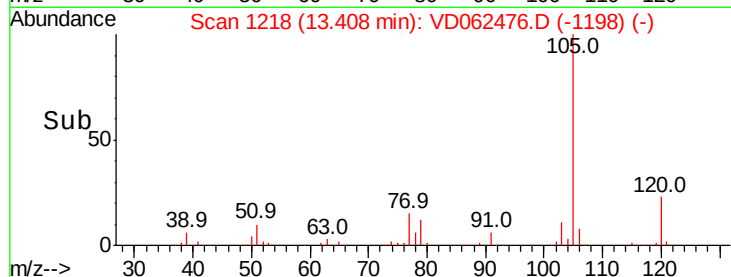
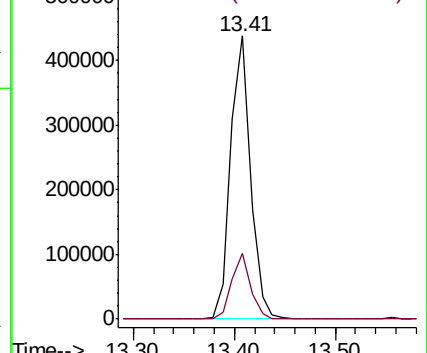
105 100

120 23.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.728 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Tgt Ion: 43 Resp: 155121

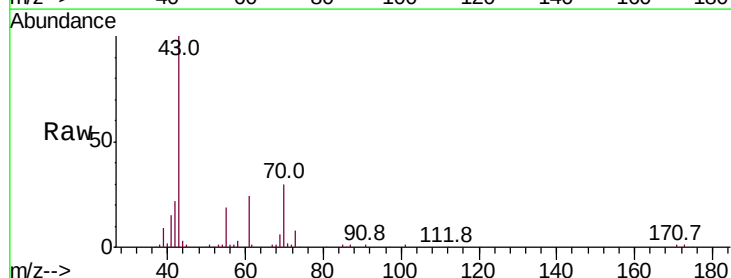
Ion Ratio Lower Upper

43 100

70 29.7 24.2 36.4

55 19.5 16.0 24.0

61 23.8 21.6 32.4

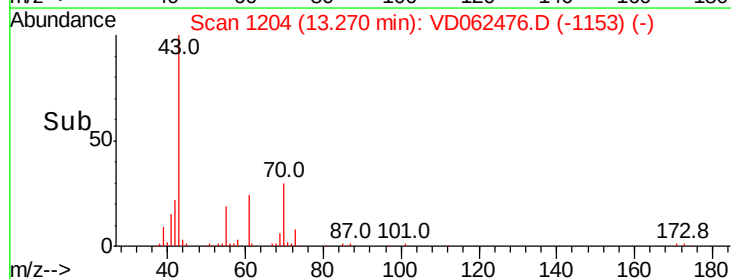
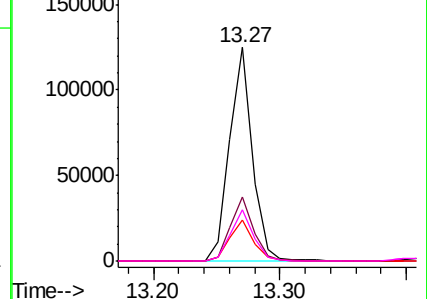


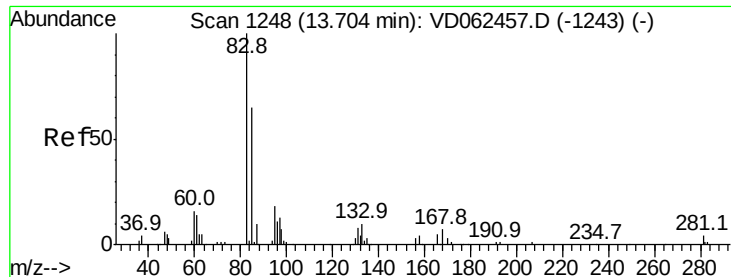
Abundance Ion 42.95 (42.65 to 43.65): V

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: 22.003 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

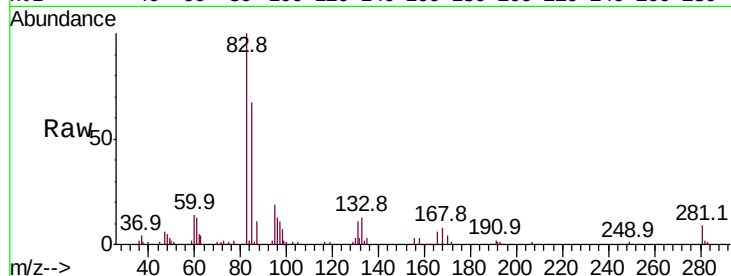
Tot Ion: 83 Resp: 109691

Ion Ratio Lower Upper

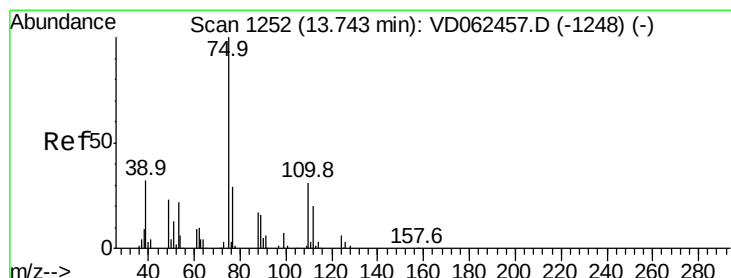
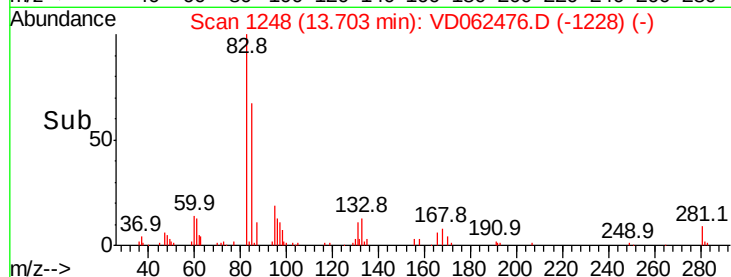
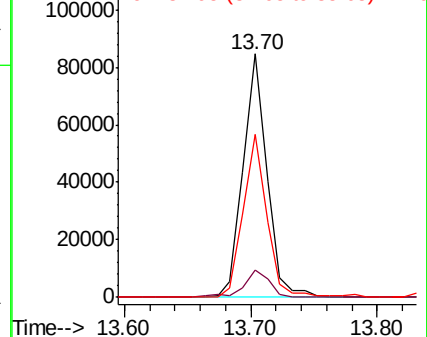
83 100

131 11.0 5.0 14.9

85 66.8 32.6 97.7



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: 23.246 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD062476.D

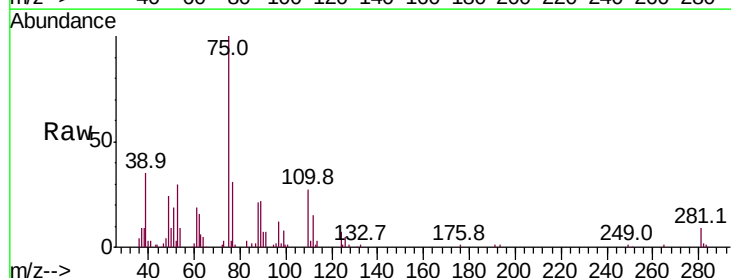
Acq: 21 May 2019 13:02

Tgt Ion: 75 Resp: 120038

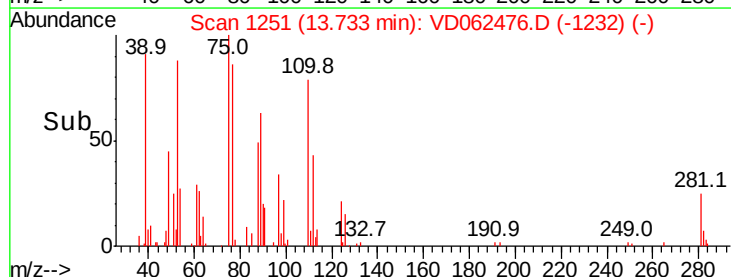
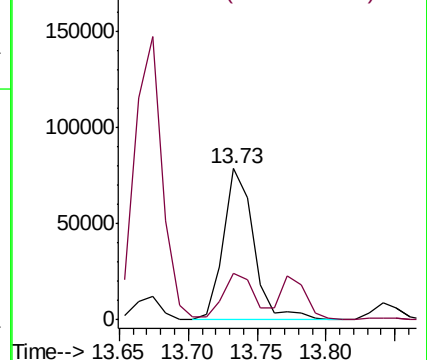
Ion Ratio Lower Upper

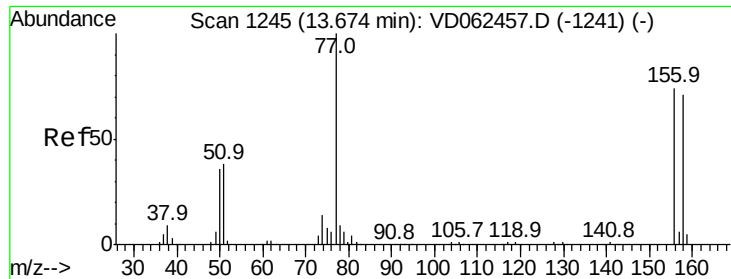
75 100

77 30.6 16.4 49.4



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





#77

Bromobenzene

Concen: 22.033 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

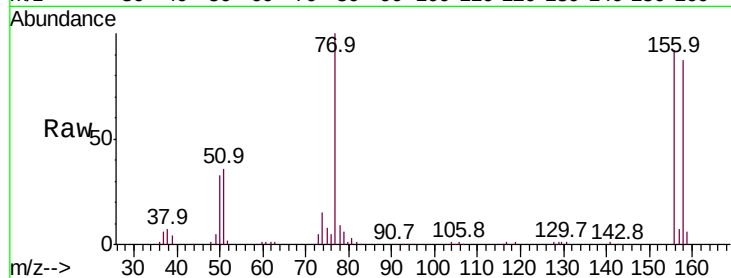
Tot Ion:156 Resp: 172717

Ion Ratio Lower Upper

156 100

77 108.2 53.1 159.4

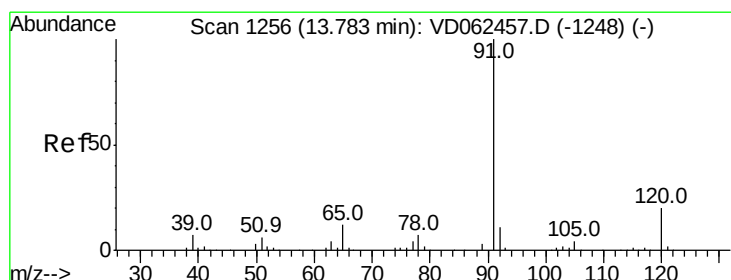
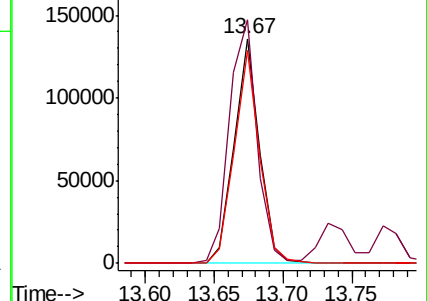
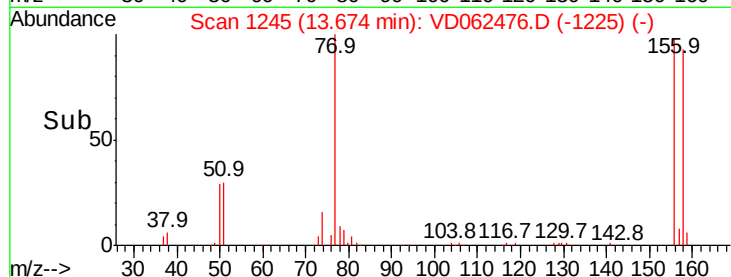
158 94.7 49.4 148.0



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: 22.098 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062476.D

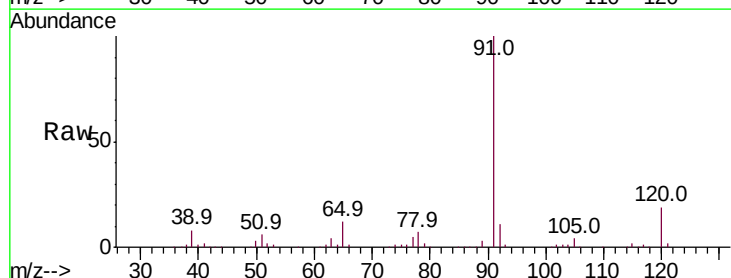
Acq: 21 May 2019 13:02

Tgt Ion: 91 Resp: 707337

Ion Ratio Lower Upper

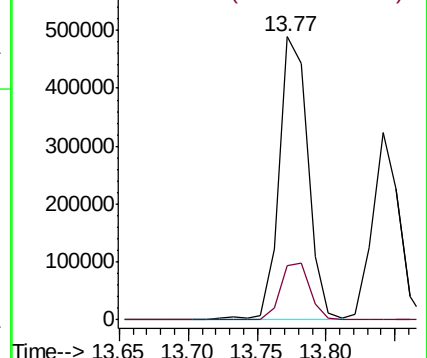
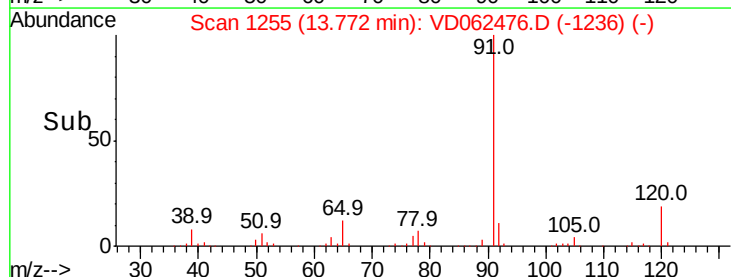
91 100

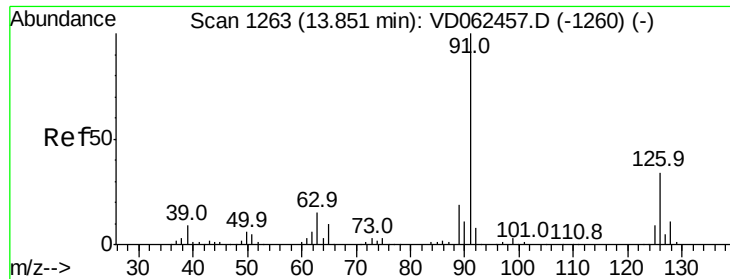
120 19.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

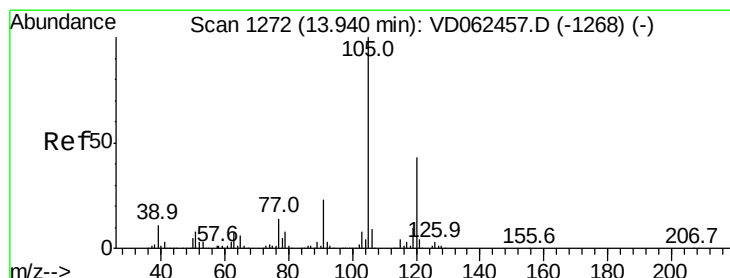
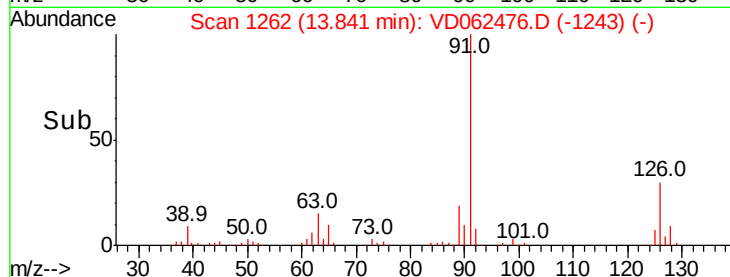
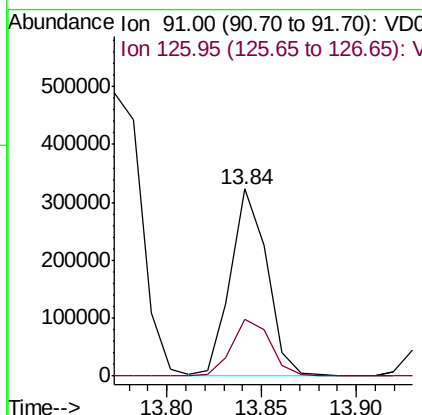
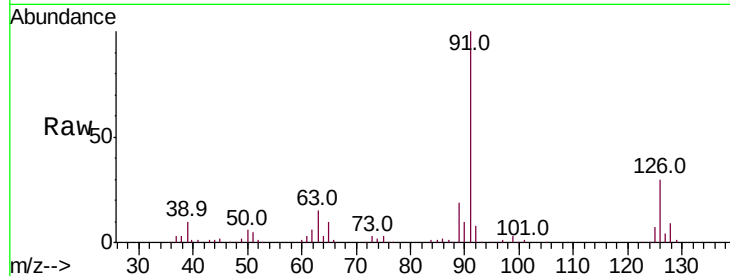




#79
 2-Chlorotoluene
 Concen: 22.230 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

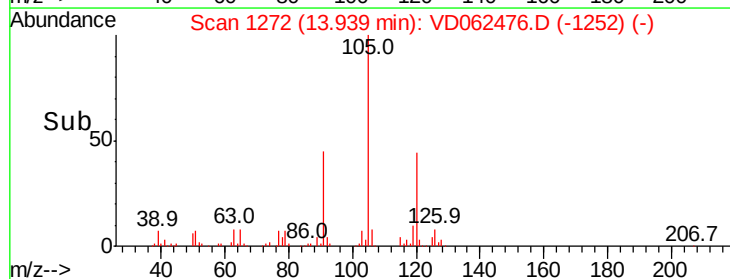
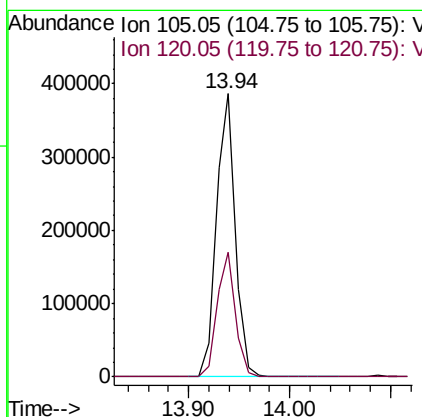
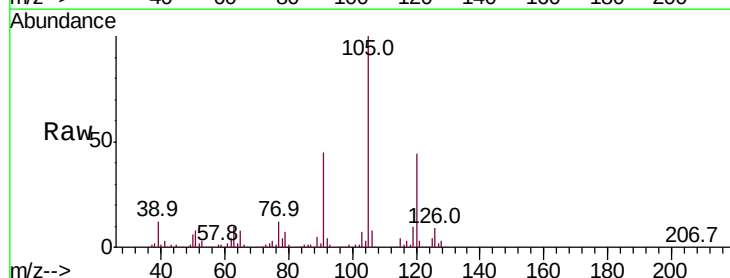
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

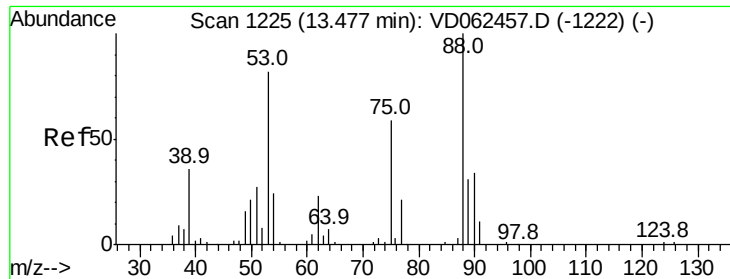
Tot Ion: 91 Resp: 431811
 Ion Ratio Lower Upper
 91 100
 126 30.1 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.221 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion: 105 Resp: 507739
 Ion Ratio Lower Upper
 105 100
 120 44.0 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.798 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

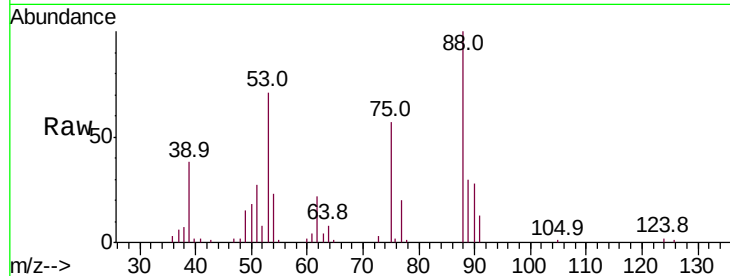
Tot Ion: 75 Resp: 31745

Ion Ratio Lower Upper

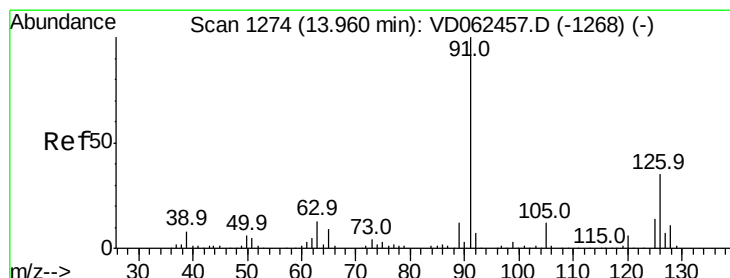
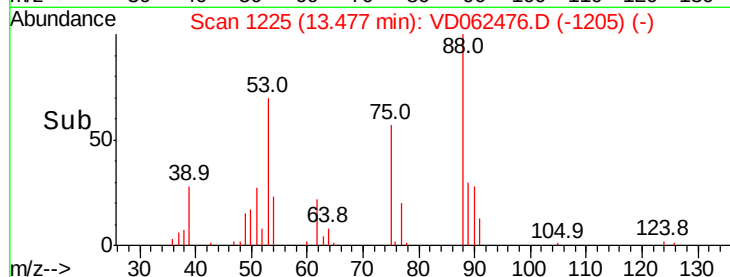
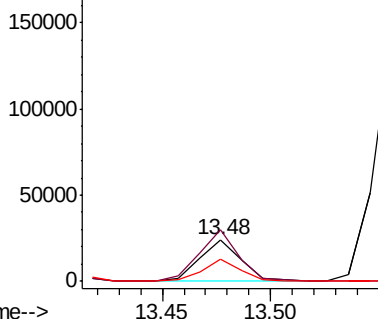
75 100

53 124.6 65.8 98.8#

89 53.0 35.0 52.6#



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: 22.097 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD062476.D

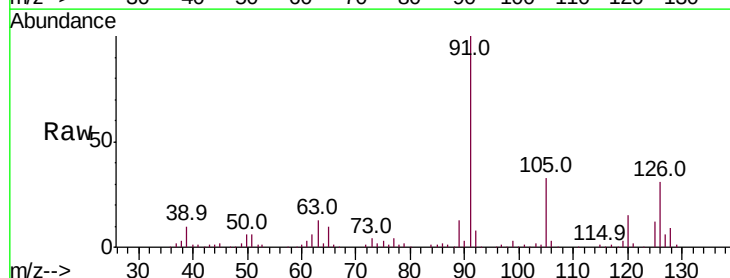
Acq: 21 May 2019 13:02

Tgt Ion: 91 Resp: 494331

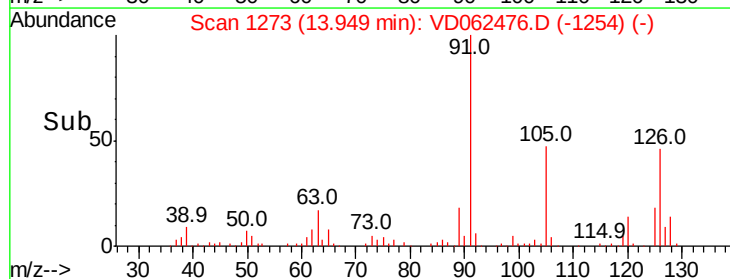
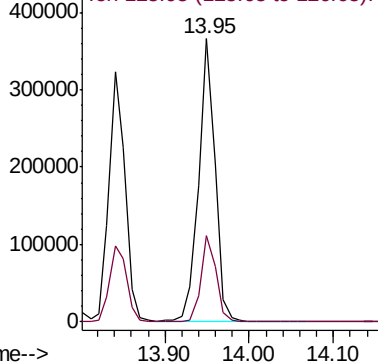
Ion Ratio Lower Upper

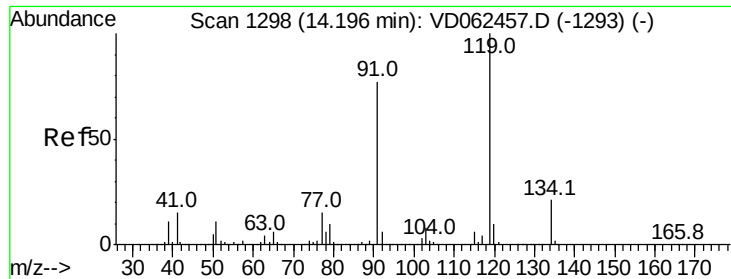
91 100

126 30.5 19.1 57.5



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

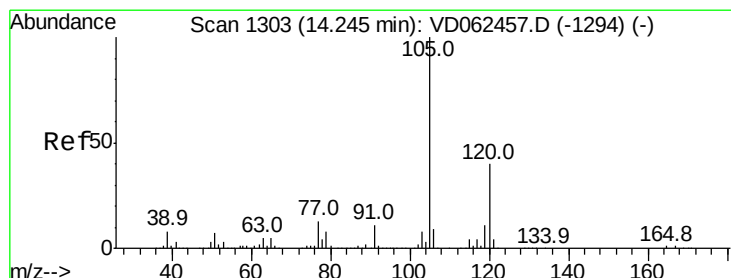
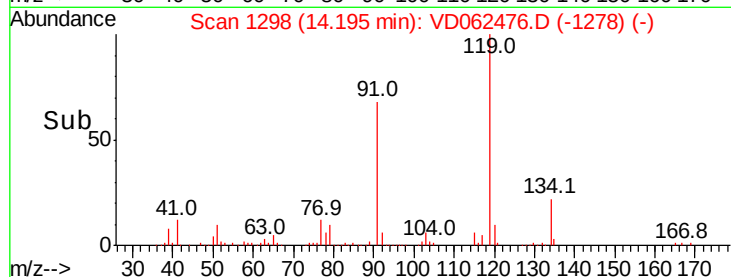
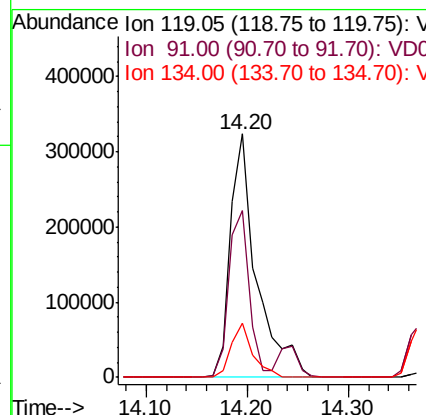
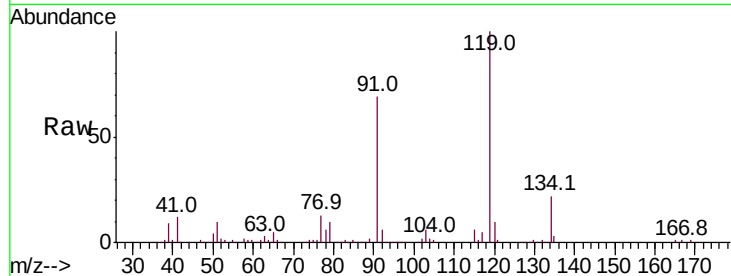




#83
 tert-Butylbenzene
 Concen: 22.134 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

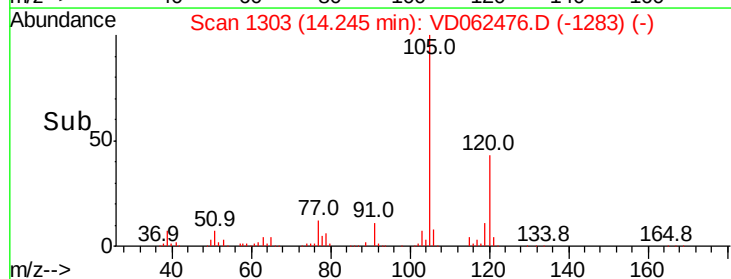
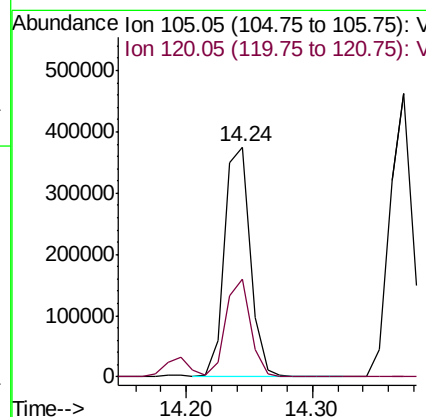
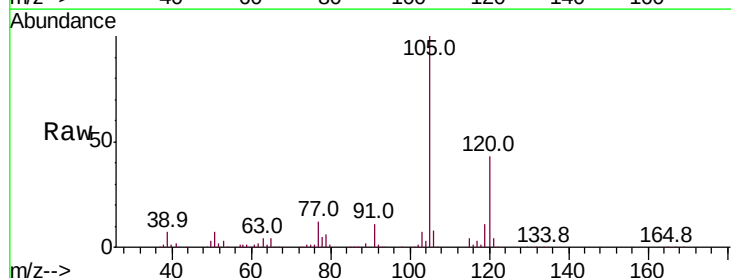
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

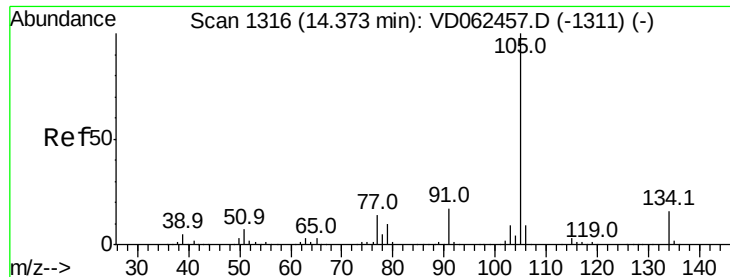
Tot Ion:119 Resp: 587446
 Ion Ratio Lower Upper
 119 100
 91 68.6 34.2 102.6
 134 22.3 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.686 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion:105 Resp: 531679
 Ion Ratio Lower Upper
 105 100
 120 42.8 23.1 69.2

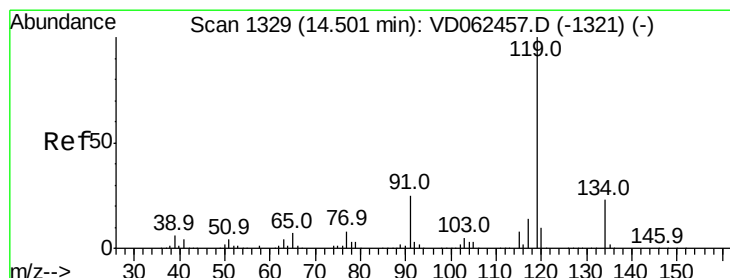
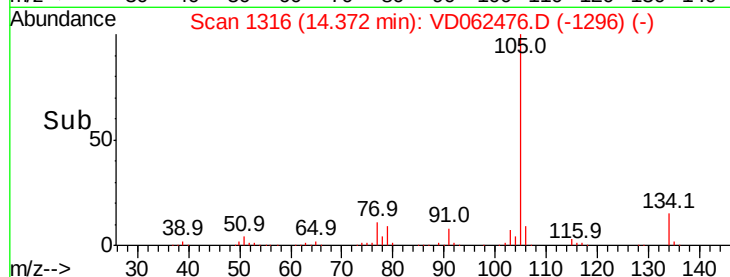
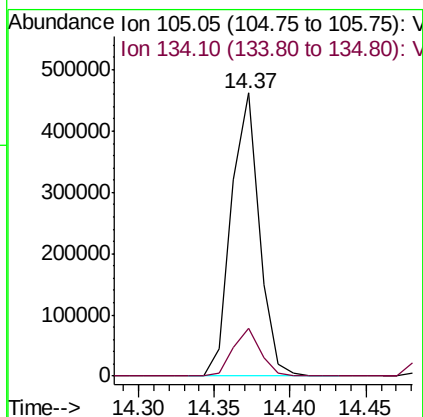
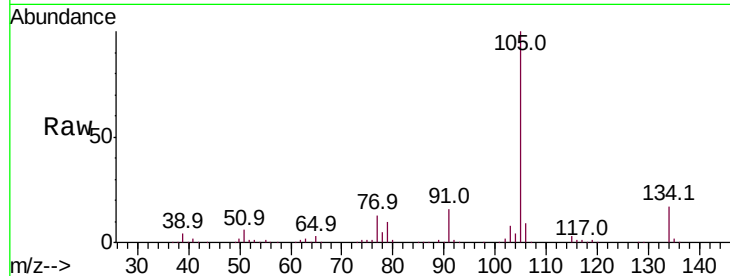




#85
 sec-Butylbenzene
 Concen: 21.409 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

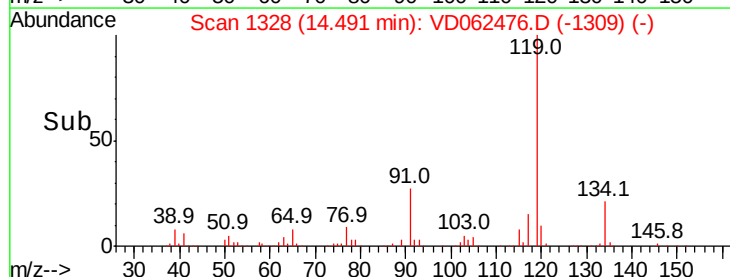
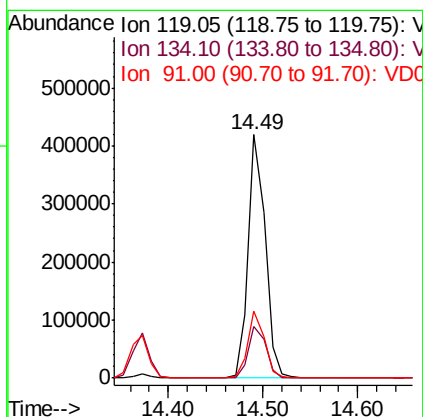
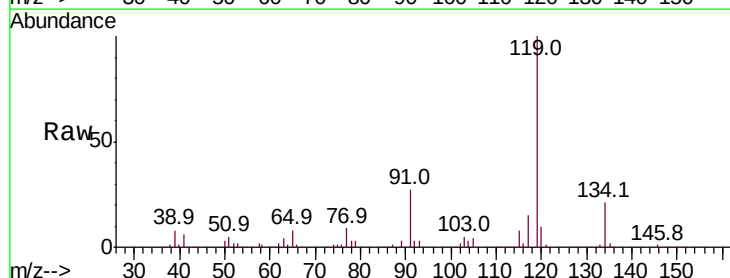
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0521SBS01

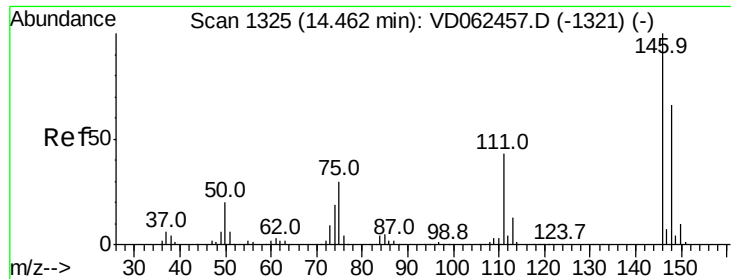
Tot Ion:105 Resp: 592475
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.883 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion:119 Resp: 523733
 Ion Ratio Lower Upper
 119 100
 134 21.3 12.8 38.3
 91 27.4 10.7 32.1

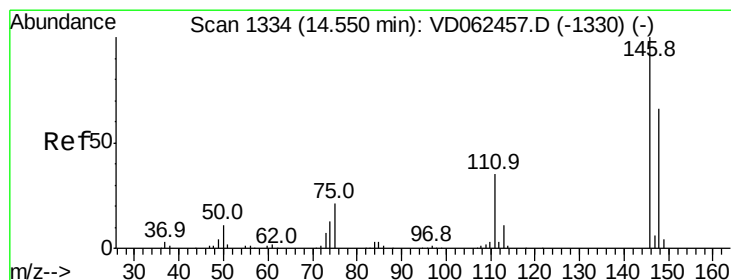
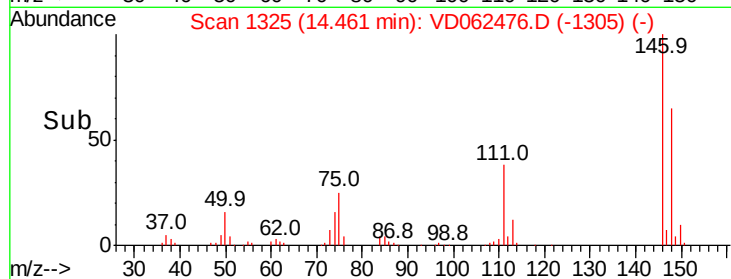
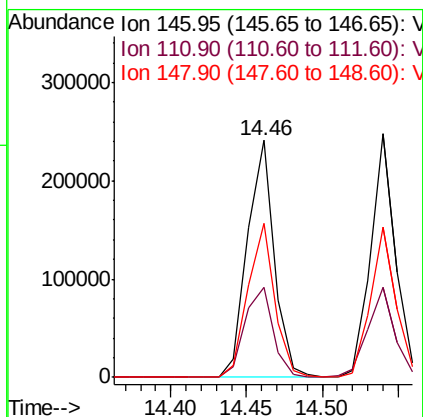
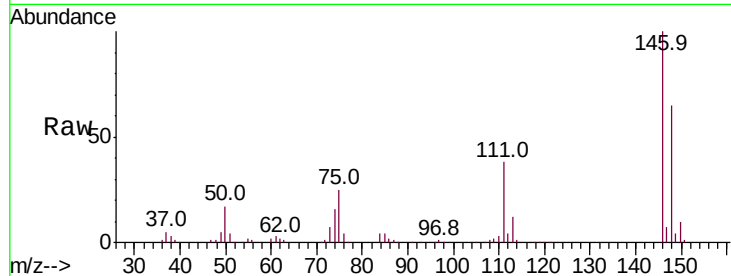




#87
 1,3-Dichlorobenzene
 Concen: 21.566 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

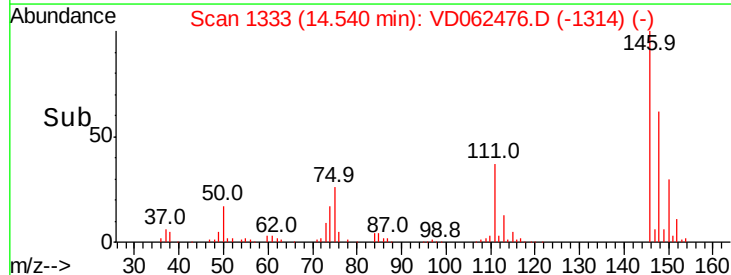
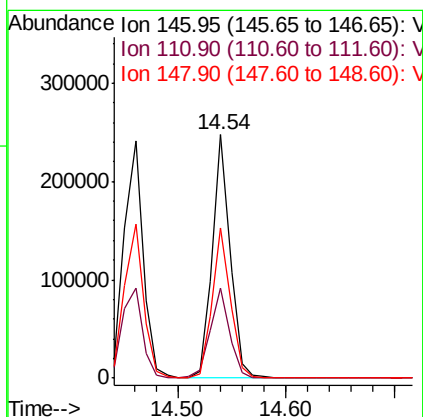
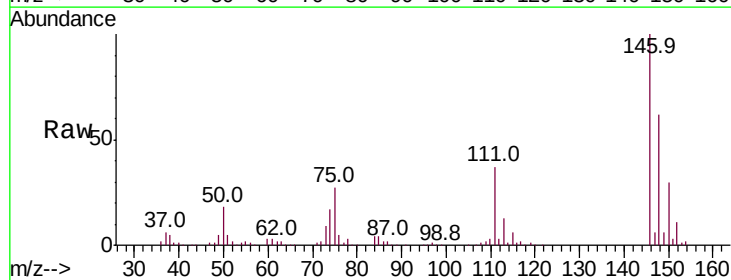
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

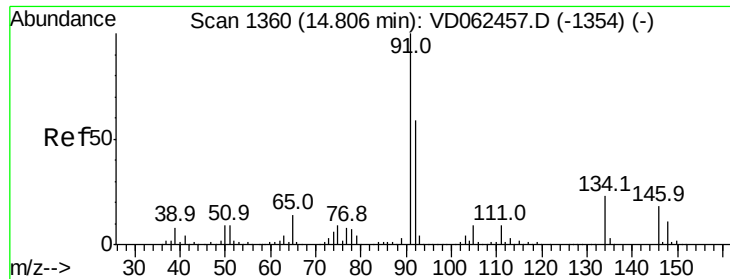
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.0	60.0
148	64.9	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.291 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.2	60.5
148	61.9	32.0	96.2

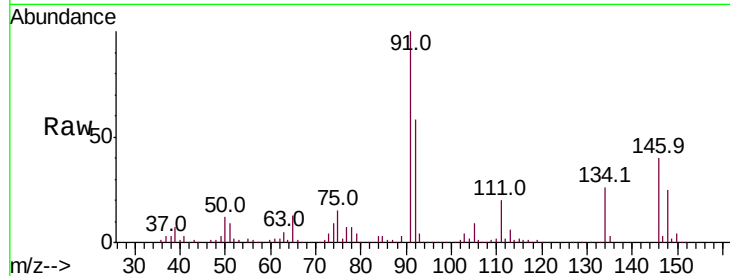




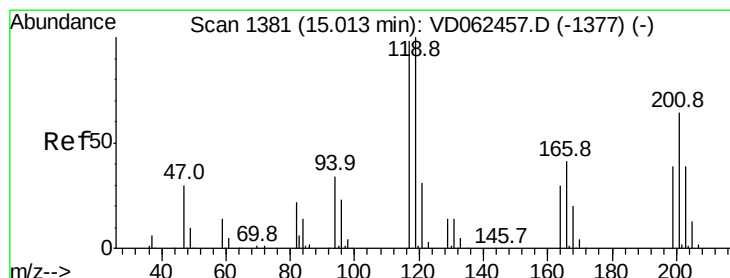
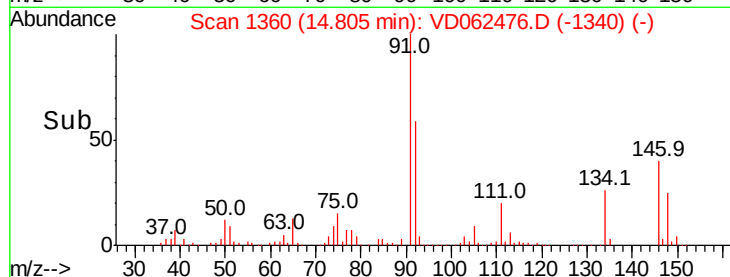
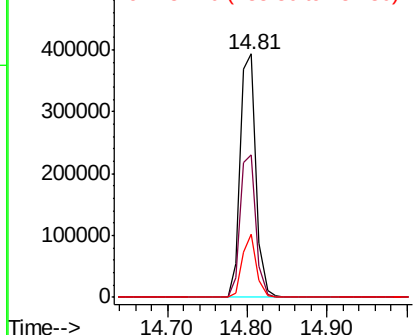
#89
n-Butylbenzene
Concen: 22.506 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0521SBS01

Tot Ion: 91 Resp: 544728
Ion Ratio Lower Upper
91 100
92 58.5 30.3 91.0
134 25.9 14.5 43.6

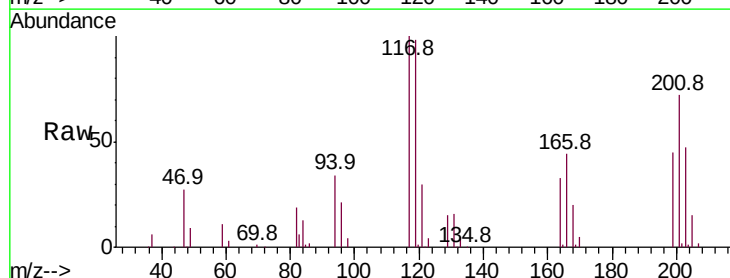


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

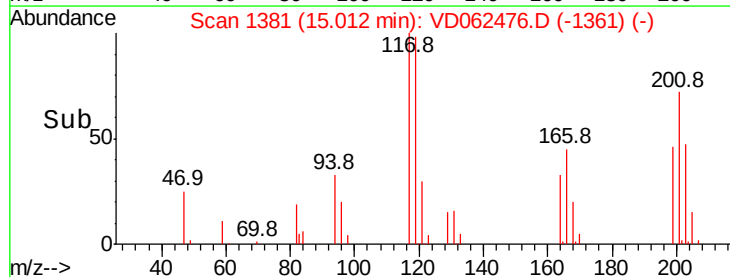
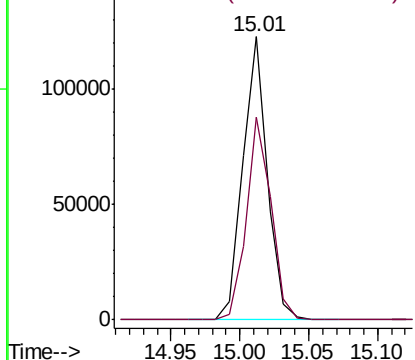


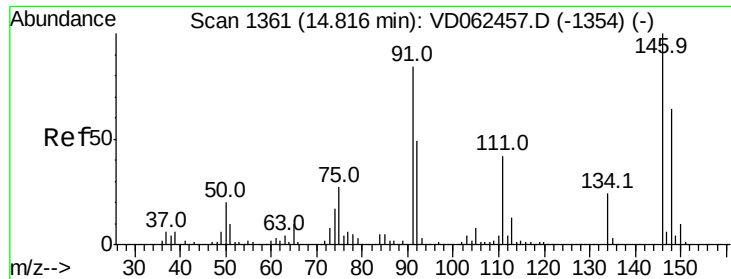
#90
Hexachloroethane
Concen: 21.893 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD062476.D
Acq: 21 May 2019 13:02

Tgt Ion: 117 Resp: 151742
Ion Ratio Lower Upper
117 100
201 71.7 30.2 90.6



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

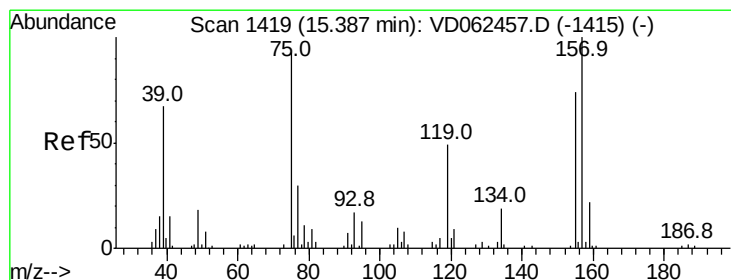
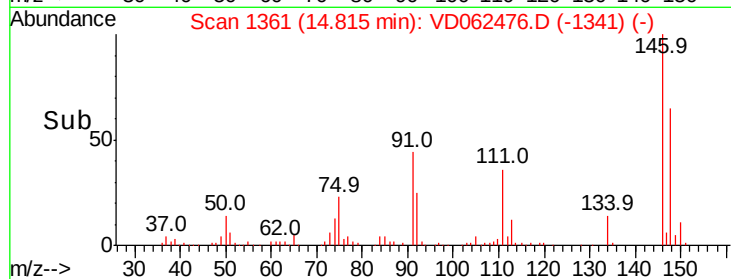
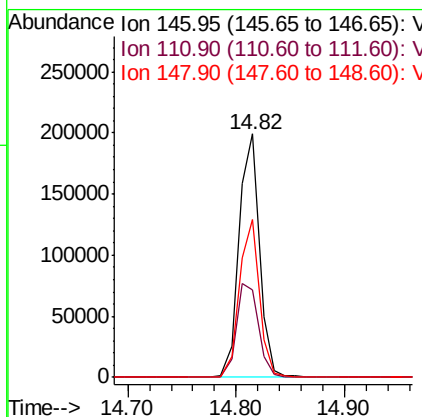
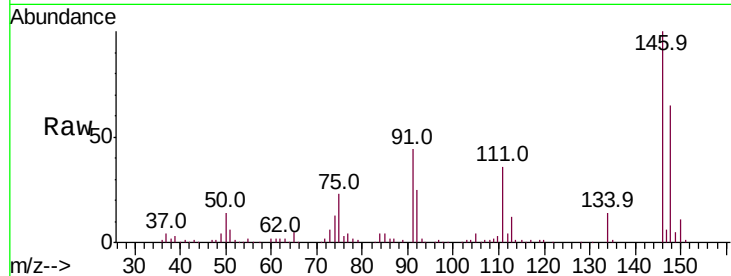




#91
 1,2-Dichlorobenzene
 Concen: 22.300 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. -0.00 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

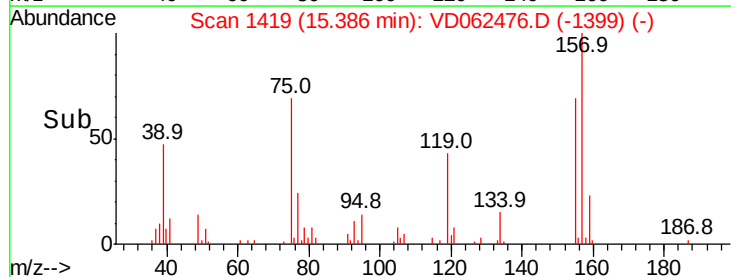
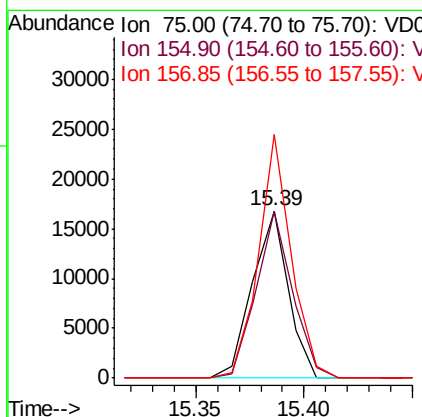
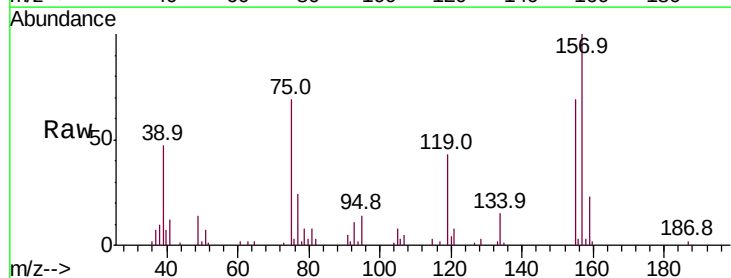
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

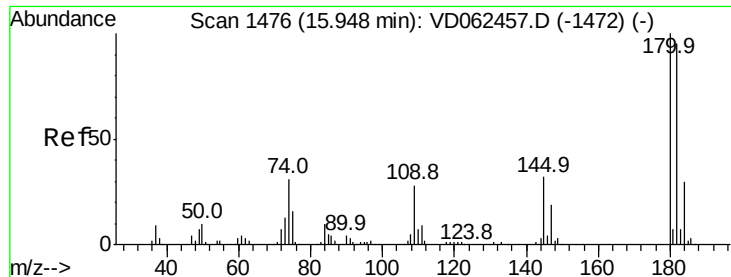
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	20.0	59.9
148	65.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.304 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	55.3	165.8
157	145.5	67.8	203.2

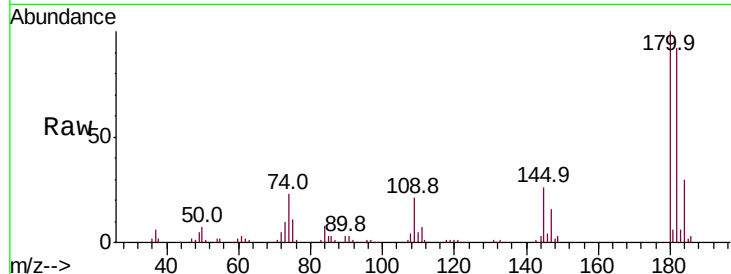




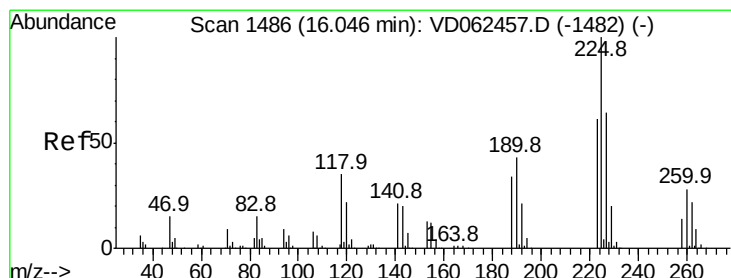
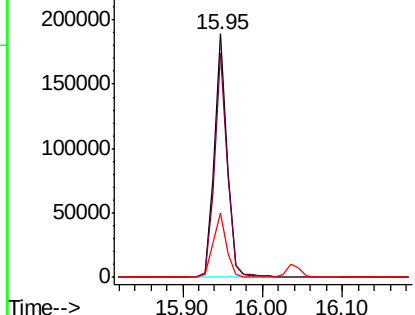
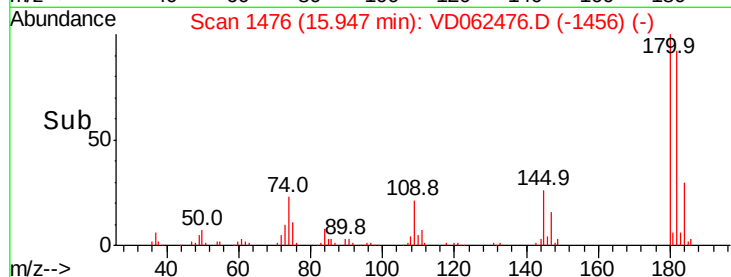
#93
 1,2,4-Trichlorobenzene
 Concen: 23.347 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	49.3	147.8
145	26.4	16.2	48.6

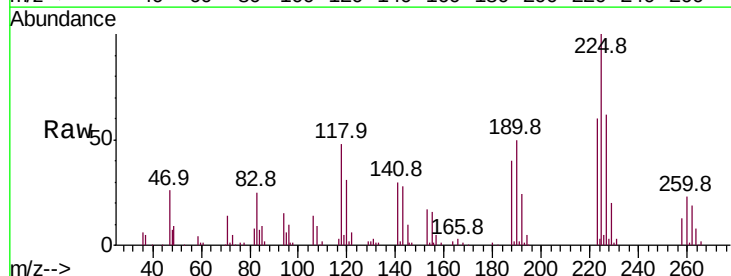


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

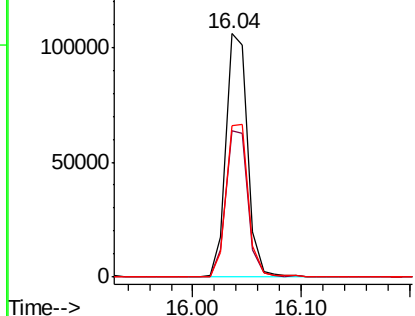
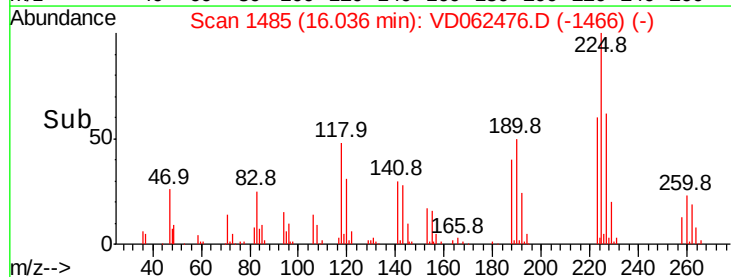


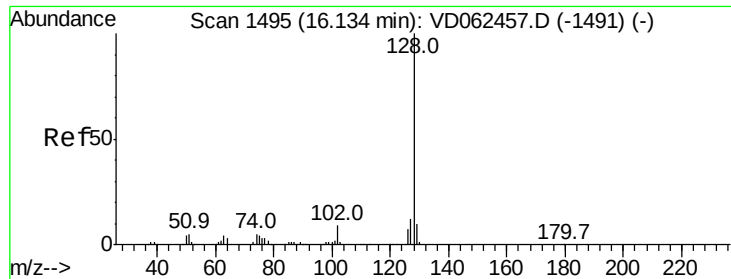
#94
 Hexachlorobutadiene
 Concen: 21.646 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062476.D
 Acq: 21 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	30.6	92.0
227	62.4	32.0	96.2



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: 22.063 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0521SBS01

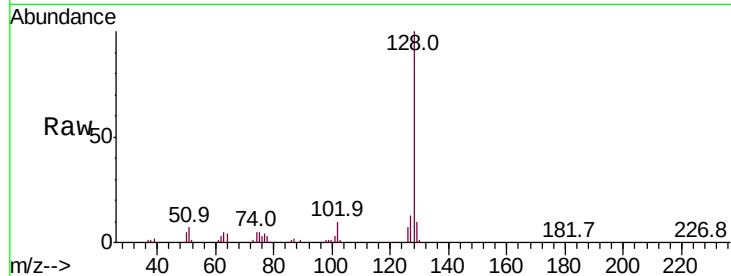
Tot Ion:128 Resp: 279425

Ion Ratio Lower Upper

128 100

127 12.5 9.8 14.8

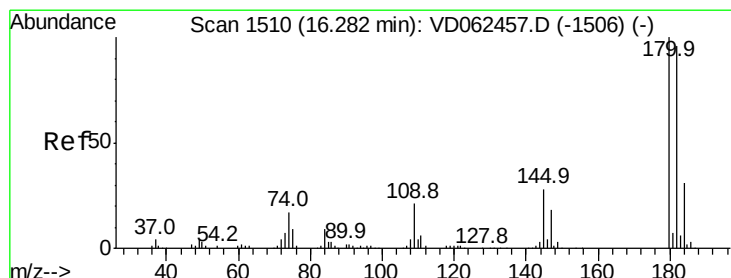
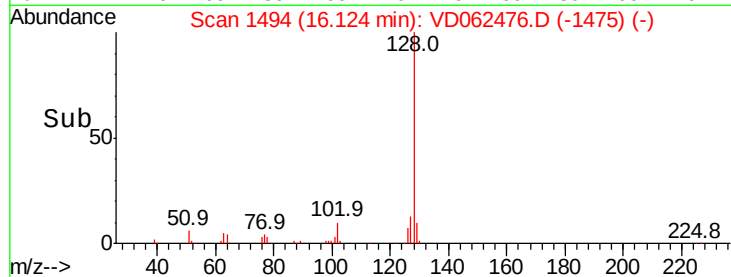
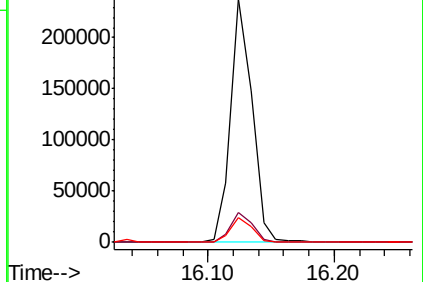
129 9.9 8.8 13.2



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: 21.953 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD062476.D

Acq: 21 May 2019 13:02

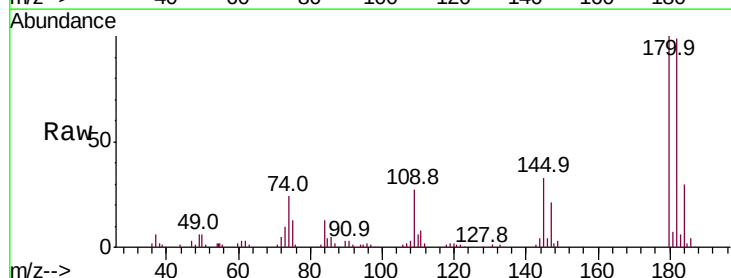
Tgt Ion:180 Resp: 166810

Ion Ratio Lower Upper

180 100

182 98.9 47.0 141.0

145 33.1 17.0 51.0



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

