

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062561.D
 Acq On : 31 May 2019 14:04
 Operator : VA/AP
 Sample : VD0531SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

Quant Time: May 31 23:26:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	814232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1066142	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	870672	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	496842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	511987	53.63	ug/l	-0.01
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	6.93	113	527802	54.33	ug/l	-0.01
Spiked Amount			Recovery	=	108.66%	
50) Toluene-d8	10.42	98	1107584	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	13.56	95	488847	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	210273	22.266	ug/l	94
3) Chloromethane	1.74	50	180529	17.368	ug/l	93
4) Vinyl Chloride	1.85	62	149163	20.678	ug/l	97
5) Bromomethane	2.14	94	47761	20.388	ug/l	97
6) Chloroethane	2.26	64	67222	19.872	ug/l #	78
7) Trichlorofluoromethane	2.53	101	316948	20.791	ug/l	99
8) Diethyl Ether	2.87	74	49415	25.268	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	176141	19.566	ug/l	88
10) Methyl Iodide	3.30	142	195326	19.122	ug/l	90
11) Tert butyl alcohol	4.10	59	50025	122.849	ug/l #	92
12) 1,1-Dichloroethene	3.13	96	122709	19.268	ug/l	98
13) Acrolein	3.03	56	18510	104.324	ug/l #	78
14) Allyl chloride	3.62	41	205989	20.707	ug/l	99
15) Acrylonitrile	4.21	53	102268	105.058	ug/l	91
16) Acetone	3.22	43	197767	105.430	ug/l	100
17) Carbon Disulfide	3.37	76	383983	18.549	ug/l	98
18) Methyl Acetate	3.65	43	65442	21.375	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	326114	21.139	ug/l	94
20) Methylene Chloride	3.82	84	144407	20.796	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	138271	19.132	ug/l	95
22) Diisopropyl ether	5.13	45	420061	20.670	ug/l	95
23) Vinyl Acetate	5.07	43	1290381	104.701	ug/l	97
24) 1,1-Dichloroethane	4.99	63	266781	20.342	ug/l	98
25) 2-Butanone	6.08	43	188169	106.513	ug/l #	84
26) 2,2-Dichloropropane	6.03	77	303672	20.872	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	150710	20.287	ug/l	95
28) Bromochloromethane	6.44	49	97969	21.618	ug/l	94
29) Tetrahydrofuran	6.47	42	88709	112.097	ug/l	98
30) Chloroform	6.67	83	330455	20.910	ug/l	97
31) Cyclohexane	6.96	56	164369	18.537	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	348772	21.206	ug/l	97
36) 1,1-Dichloropropene	7.15	75	215803	20.334	ug/l	92
37) Ethyl Acetate	6.19	43	98980	22.122	ug/l #	92
38) Carbon Tetrachloride	7.11	117	364440	23.064	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	176776	19.674	ug/l	99
40) Benzene	7.46	78	422913	20.303	ug/l	99
41) Methacrylonitrile	6.45	41	118463	22.499	ug/l #	91
42) 1,2-Dichloroethane	7.59	62	264836	22.825	ug/l	98
43) Isopropyl Acetate	9.25	43	124478	22.353	ug/l #	97
44) Trichloroethene	8.55	130	169342	20.350	ug/l	98
45) 1,2-Dichloropropane	8.94	63	108988	21.342	ug/l #	89
46) Dibromomethane	9.07	93	97946	22.834	ug/l	98
47) Bromodichloromethane	9.38	83	263179	22.267	ug/l	94
48) Methyl methacrylate	9.13	41	89662	24.174	ug/l	92
49) 1,4-Dioxane	9.08	88	13312	441.867	ug/l #	78
51) 4-Methyl-2-Pentanone	10.31	43	408681	105.189	ug/l	98
52) Toluene	10.51	92	283842	19.979	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	211909	21.221	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	220195	21.210	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	99001	21.223	ug/l	99
56) Ethyl methacrylate	11.05	69	111939	22.514	ug/l	91
57) 1,3-Dichloropropane	11.42	76	146162	20.325	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	308141	120.843	ug/l	98
59) 2-Hexanone	11.54	43	313079	114.884	ug/l	95
60) Dibromochloromethane	11.69	129	193009	21.291	ug/l	100
61) 1,2-Dibromoethane	11.81	107	115942	20.661	ug/l	100
64) Tetrachloroethene	11.27	164	156247	20.301	ug/l	94
65) Chlorobenzene	12.40	112	331164	19.524	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	180001	22.440	ug/l	98
67) Ethyl Benzene	12.53	91	676799	21.778	ug/l	98
68) m/p-Xylenes	12.68	106	430338	40.030	ug/l	94
69) o-Xylene	13.06	106	209272	20.407	ug/l	97
70) Styrene	13.08	104	362810	20.836	ug/l	94
71) Bromoform	13.24	173	112141	19.915	ug/l #	94
73) Isopropylbenzene	13.40	105	646830	19.748	ug/l	97
74) N-amyl acetate	13.27	43	169608	20.308	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	104797	20.174	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	125907	21.123	ug/l	98
77) Bromobenzene	13.68	156	186201	20.733	ug/l	97
78) n-propylbenzene	13.78	91	761971	20.182	ug/l	97
79) 2-Chlorotoluene	13.85	91	424180	19.376	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	565831	20.216	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	33043	19.346	ug/l	91
82) 4-Chlorotoluene	13.96	91	547312	20.883	ug/l	99
83) tert-Butylbenzene	14.19	119	614161	19.665	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	545593	19.130	ug/l	98
85) sec-Butylbenzene	14.37	105	628843	19.007	ug/l	96
86) p-Isopropyltoluene	14.50	119	632497	20.463	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	331811	21.314	ug/l	93
88) 1,4-Dichlorobenzene	14.55	146	329237	21.104	ug/l	97
89) n-Butylbenzene	14.80	91	587489	21.292	ug/l	99
90) Hexachloroethane	15.01	117	162336	19.796	ug/l	70
91) 1,2-Dichlorobenzene	14.81	146	274719	20.977	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23830	22.123	ug/l	90

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

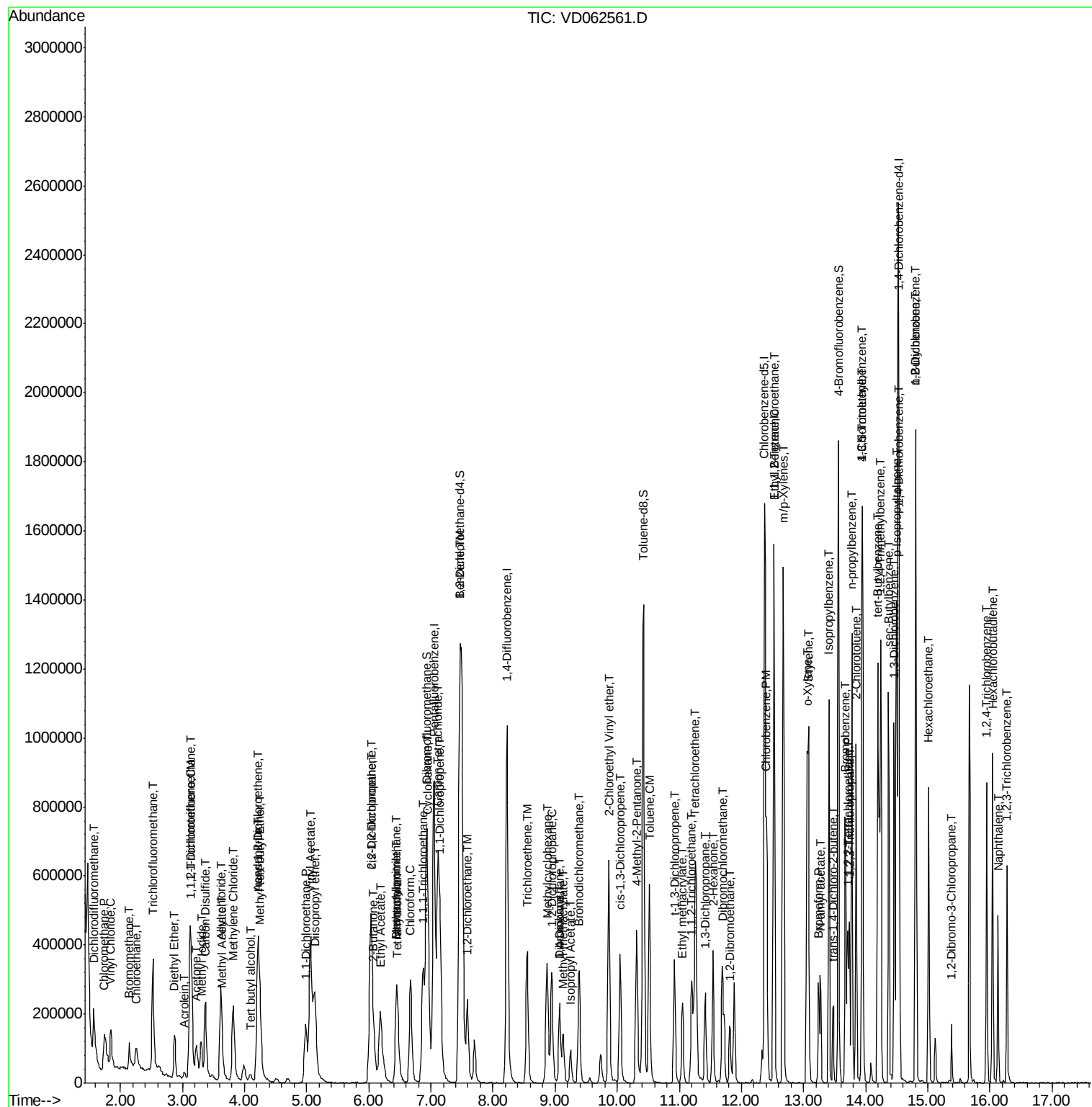
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	211641	20.211	ug/l	96
94) Hexachlorobutadiene	16.04	225	156863	20.292	ug/l	99
95) Naphthalene	16.13	128	306992	21.527	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	166545	21.292	ug/l	98

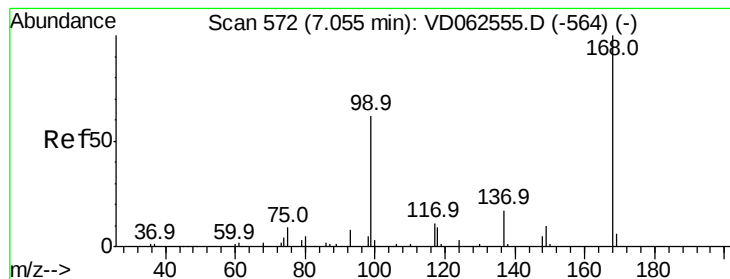
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 31 May 2019 14:04
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

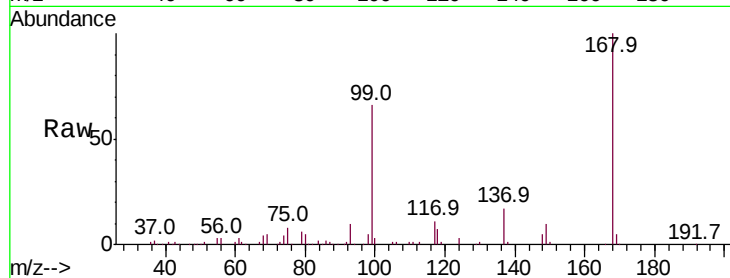
VD0531SBS01

Tot Ion:168 Resp: 814232

Ion Ratio Lower Upper

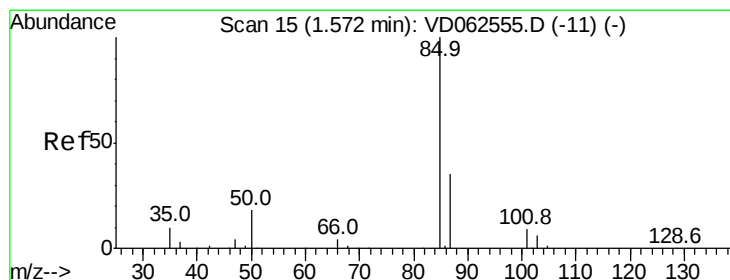
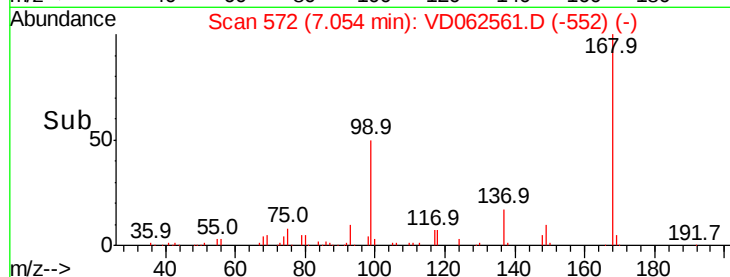
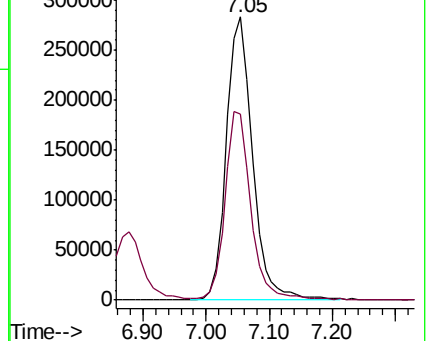
168 100

99 65.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.266 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062561.D

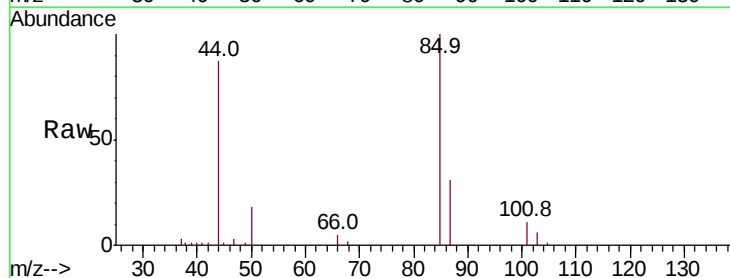
Acq: 31 May 2019 14:04

Tgt Ion: 85 Resp: 210273

Ion Ratio Lower Upper

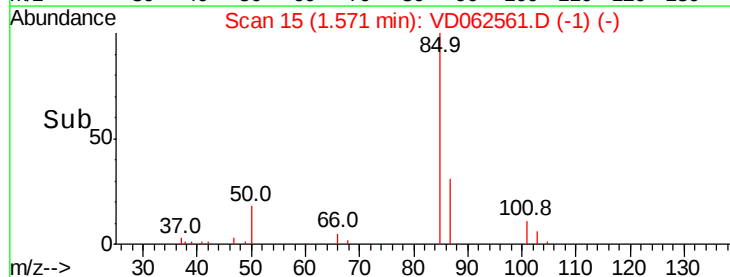
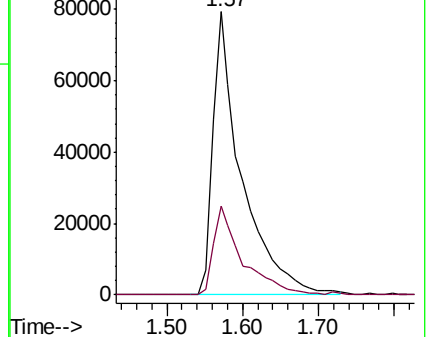
85 100

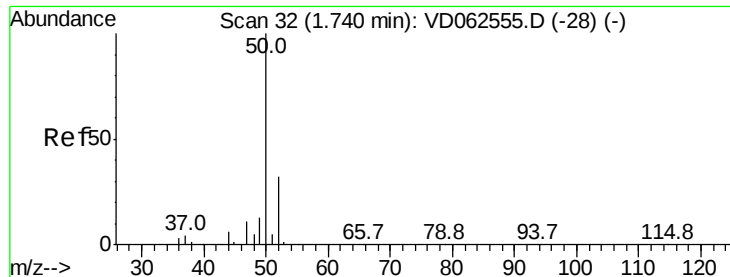
87 31.4 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.368 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

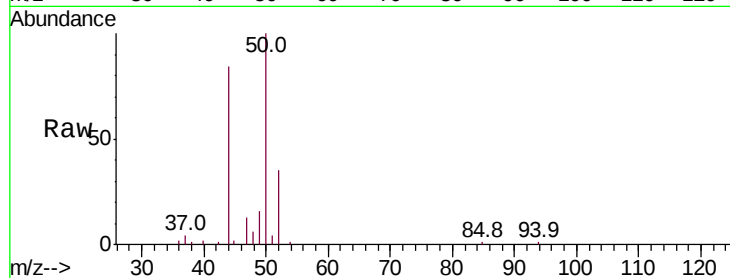
VD0531SBSD01

Tot Ion: 50 Resp: 180529

Ion Ratio Lower Upper

50 100

52 35.4 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

60000

50000

40000

30000

20000

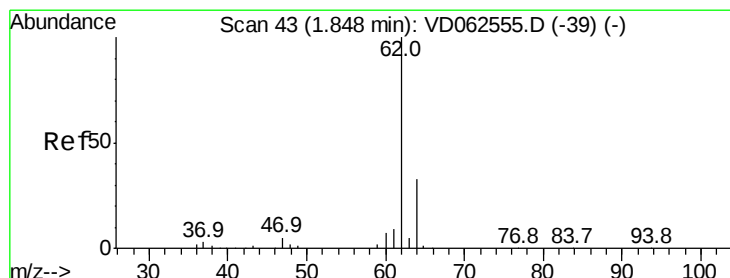
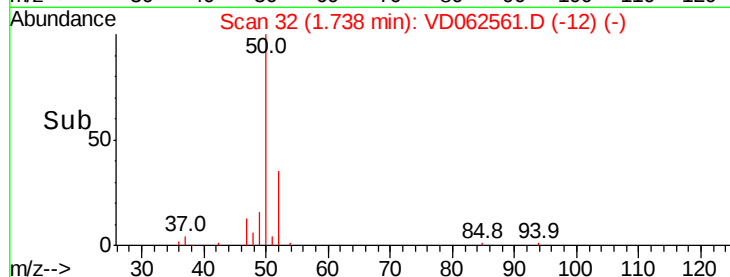
10000

0

1.74

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 20.678 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062561.D

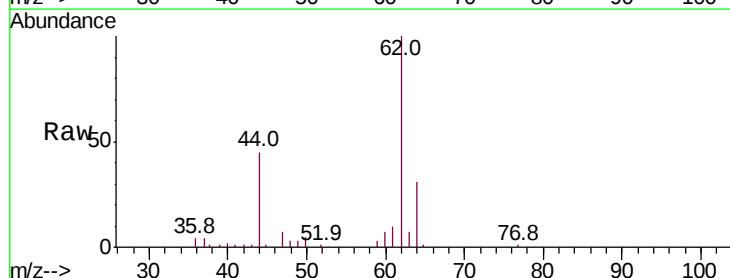
Acq: 31 May 2019 14:04

Tgt Ion: 62 Resp: 149163

Ion Ratio Lower Upper

62 100

64 31.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

60000

40000

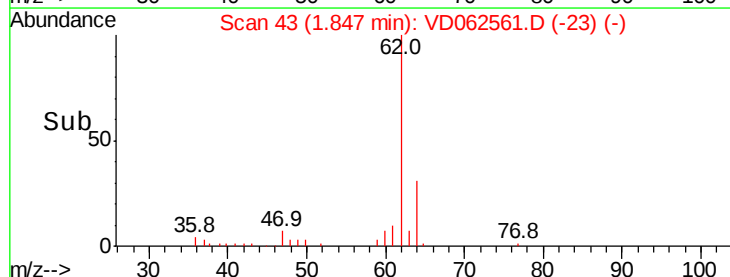
20000

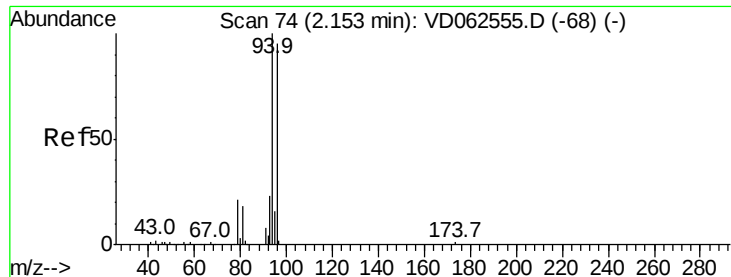
0

1.85

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 20.388 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

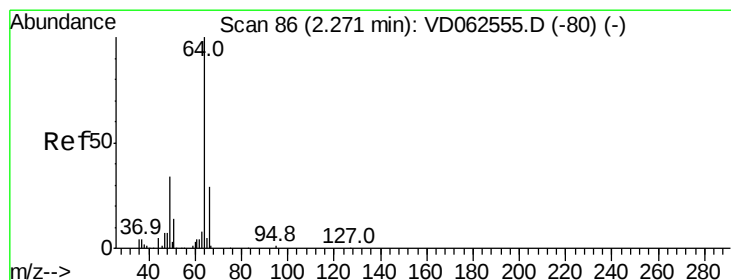
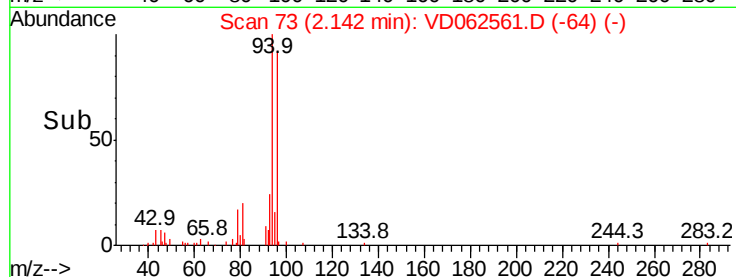
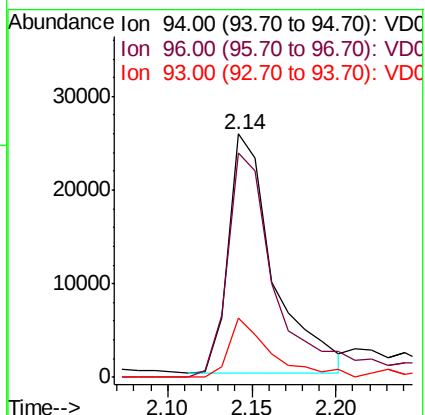
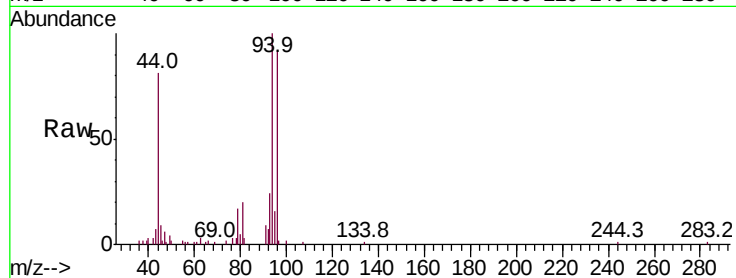
Tot Ion: 94 Resp: 47761

Ion Ratio Lower Upper

94 100

96 91.9 76.2 114.4

93 24.3 18.4 27.6



#6

Chloroethane

Concen: 19.872 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062561.D

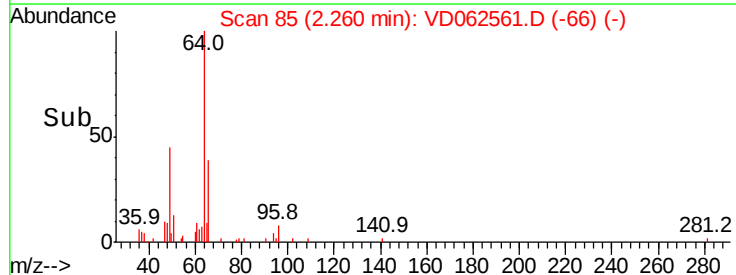
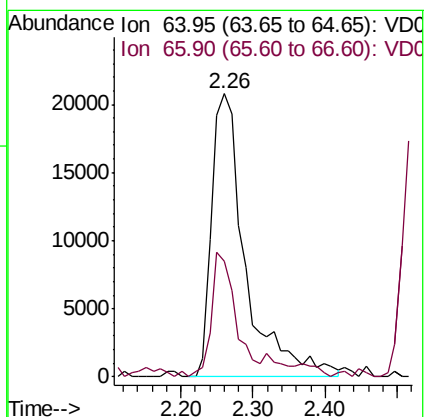
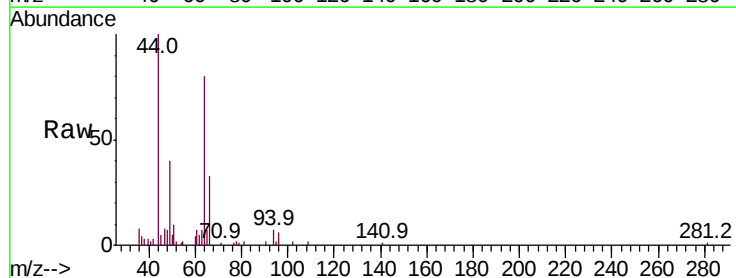
Acq: 31 May 2019 14:04

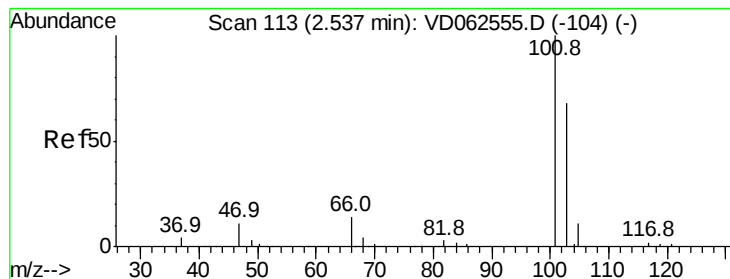
Tgt Ion: 64 Resp: 67222

Ion Ratio Lower Upper

64 100

66 41.0 23.4 35.2#



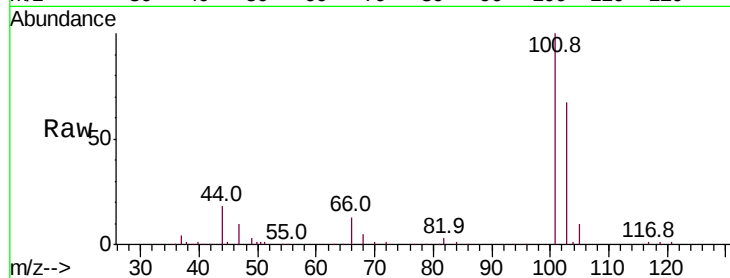


#7

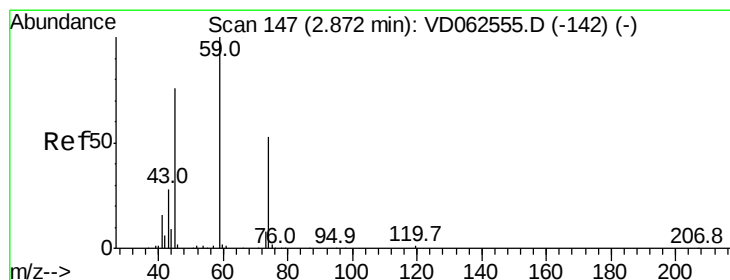
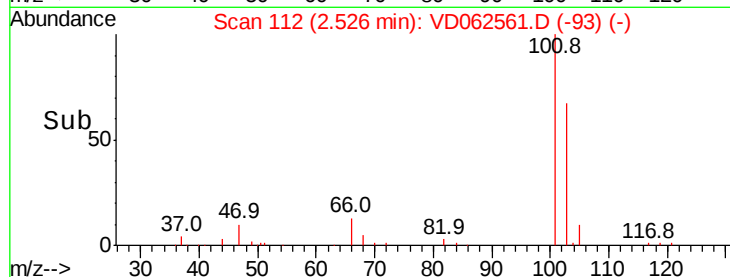
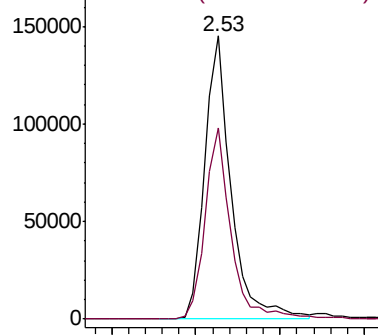
Trichlorofluoromethane
Concen: 20.791 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

Tot Ion:101 Resp: 316948
Ion Ratio Lower Upper
101 100
103 67.4 54.3 81.5



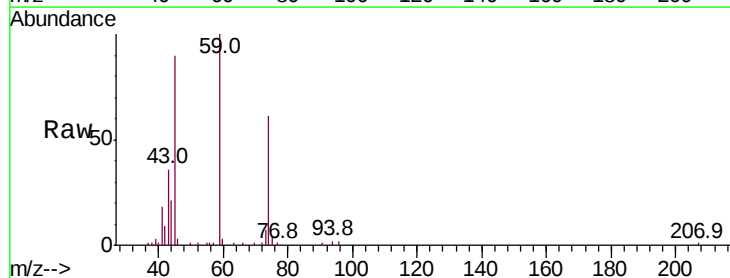
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



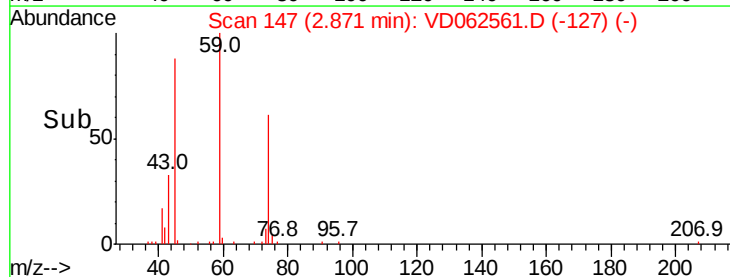
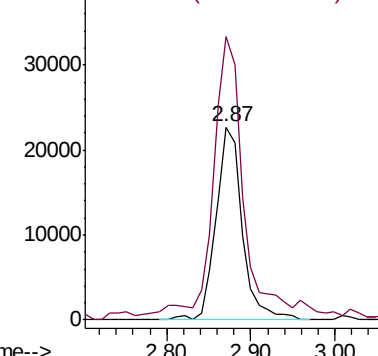
#8

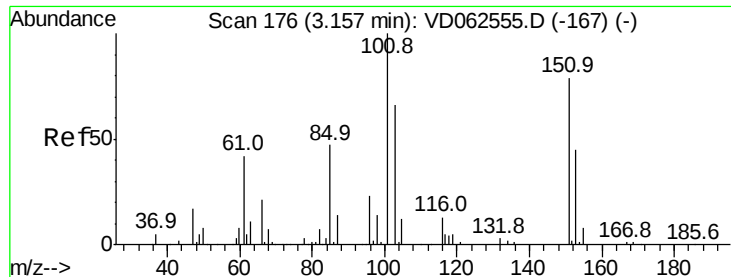
Diethyl Ether
Concen: 25.268 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 74 Resp: 49415
Ion Ratio Lower Upper
74 100
45 146.7 71.9 215.7



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: 19.566 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

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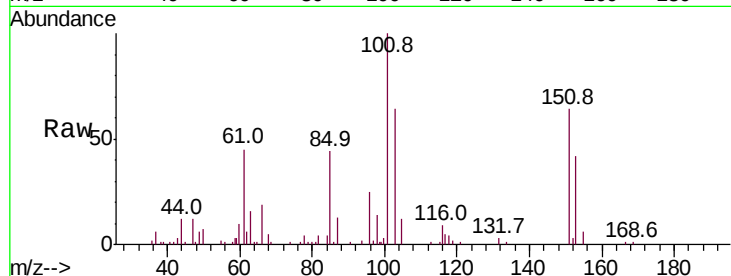
Tot Ion:101 Resp: 176141

Ion Ratio Lower Upper

101 100

85 43.8 37.6 56.4

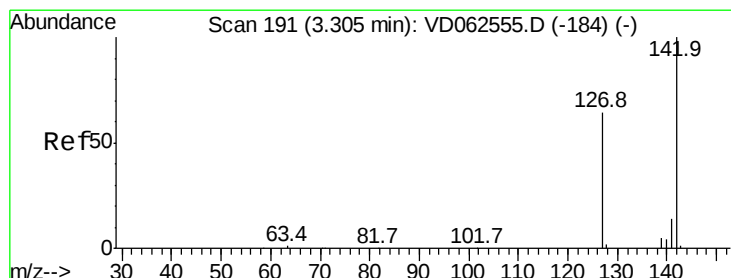
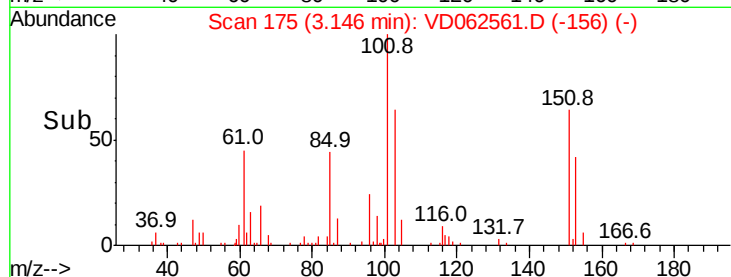
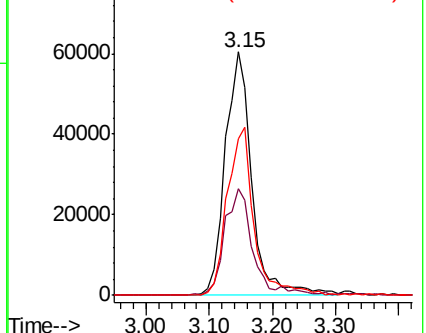
151 64.2 63.0 94.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.122 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

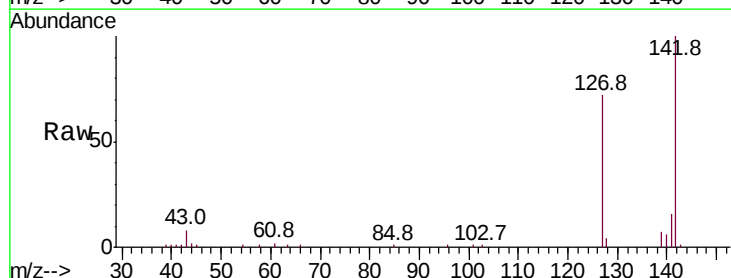
Tgt Ion:142 Resp: 195326

Ion Ratio Lower Upper

142 100

127 72.5 51.2 76.8

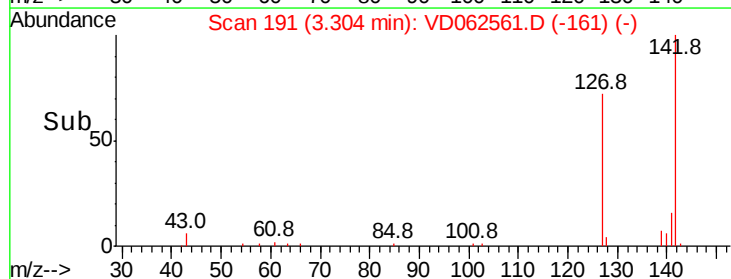
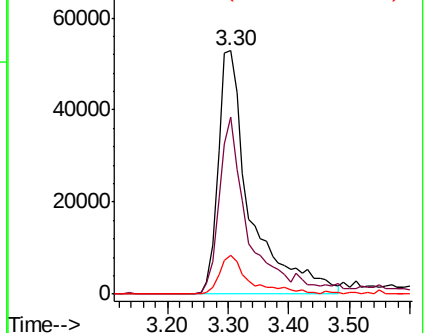
141 15.8 11.0 16.4

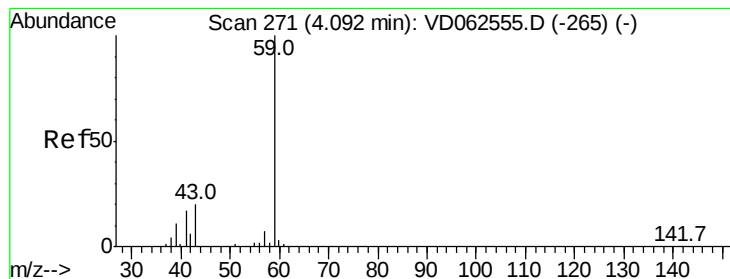


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



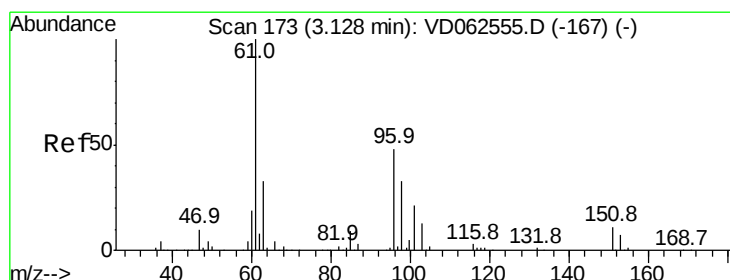
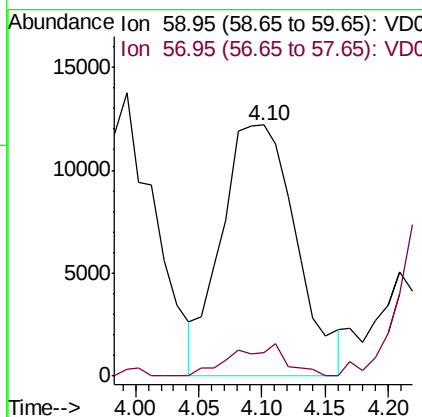
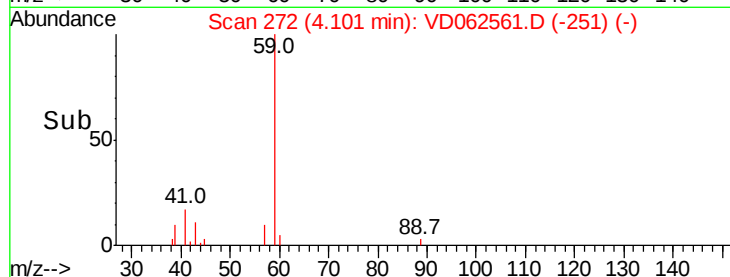
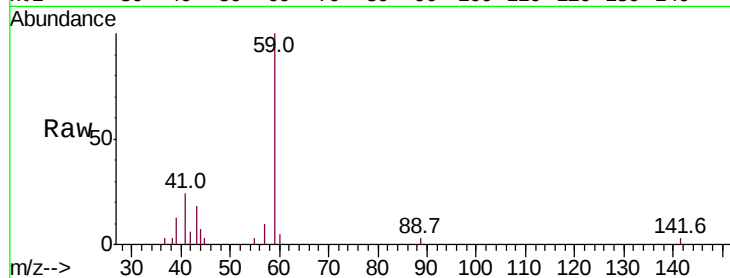


#11

Tert butyl alcohol
Concen: 122.849 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

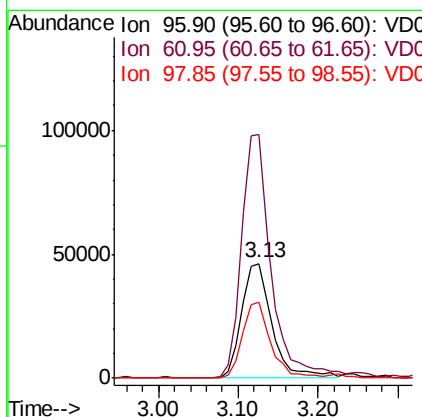
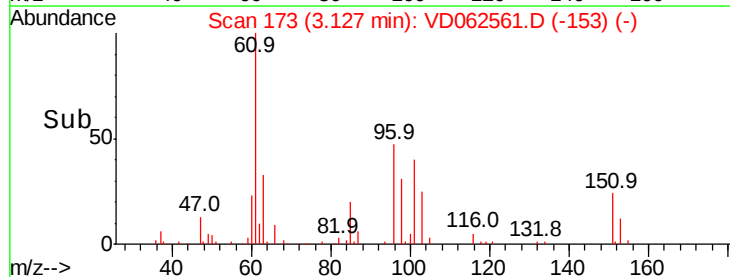
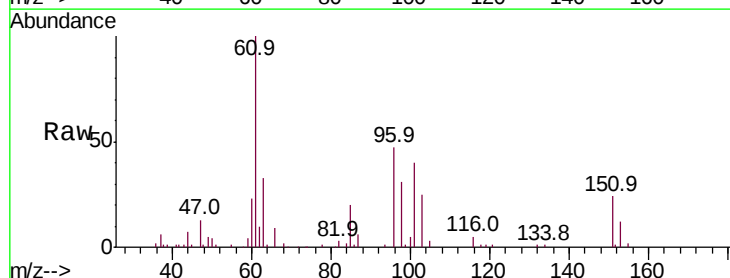
Tot Ion: 59 Resp: 50025
Ion Ratio Lower Upper
59 100
57 9.6 5.4 8.0#

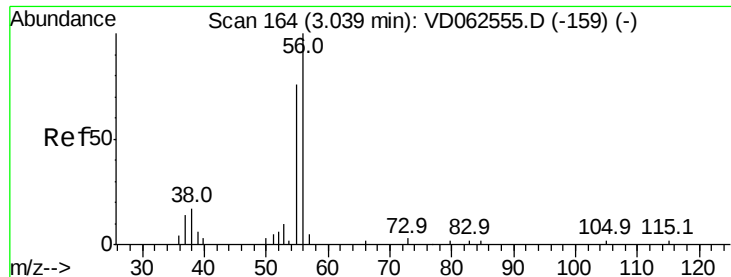


#12

1,1-Dichloroethene
Concen: 19.268 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 96 Resp: 122709
Ion Ratio Lower Upper
96 100
61 212.3 166.6 250.0
98 66.3 54.4 81.6





#13

Acrolein

Concen: 104.324 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

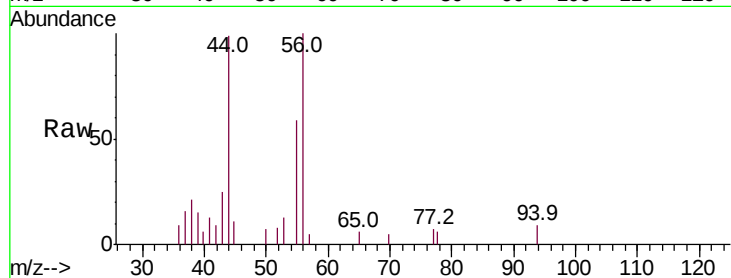
VD0531SBS01

Tot Ion: 56 Resp: 18510

Ion Ratio Lower Upper

56 100

55 58.7 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

4000

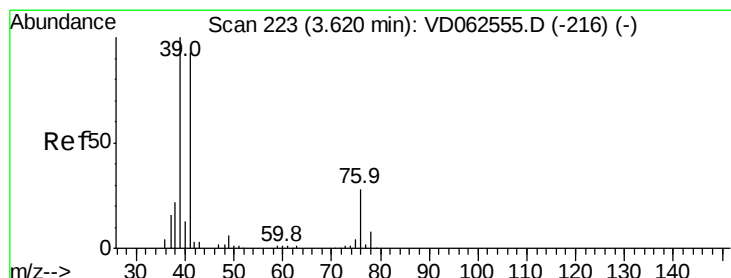
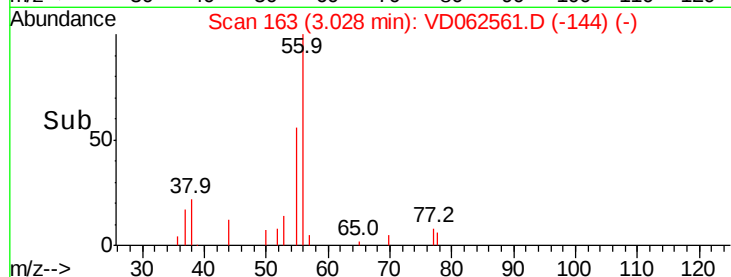
2000

0

3.03

3.10

Time-->



#14

Allyl chloride

Concen: 20.707 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

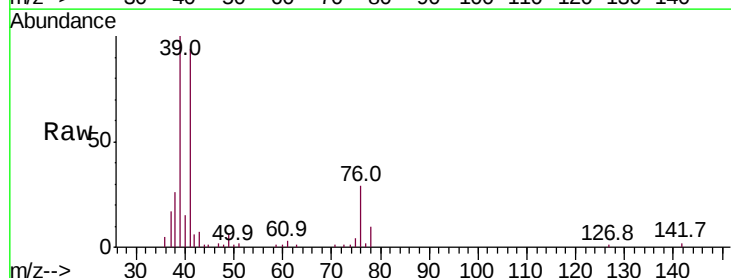
Tgt Ion: 41 Resp: 205989

Ion Ratio Lower Upper

41 100

39 106.7 86.3 129.5

76 31.2 25.5 38.3



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

100000

80000

60000

40000

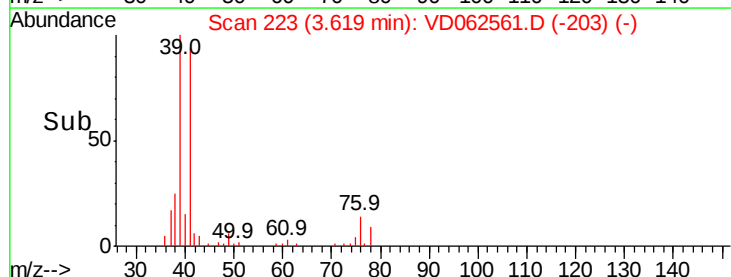
20000

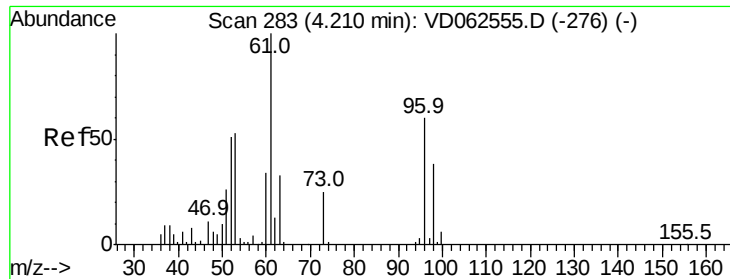
0

3.62

3.70

Time-->





#15

Acrylonitrile

Concen: 105.058 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

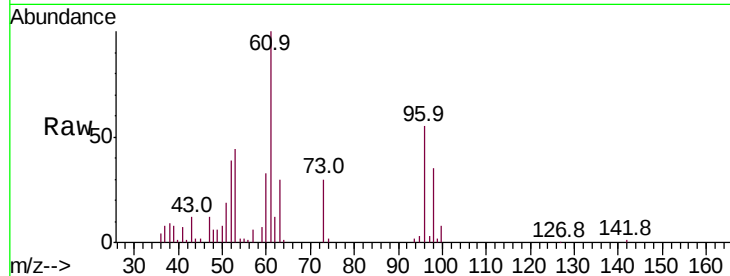
Tot Ion: 53 Resp: 102268

Ion Ratio Lower Upper

53 100

52 88.3 76.2 114.2

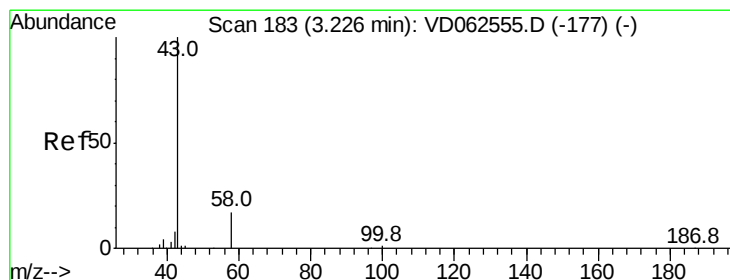
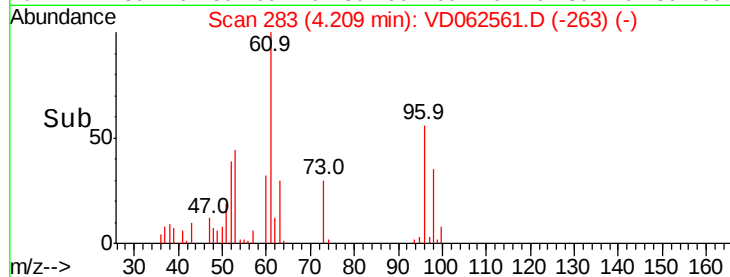
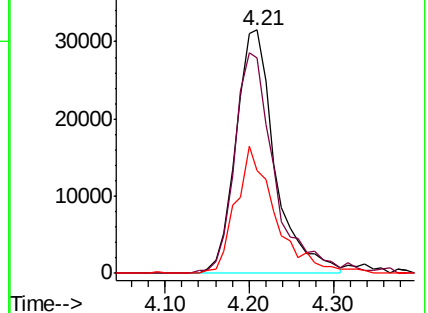
51 42.2 40.2 60.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 105.430 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062561.D

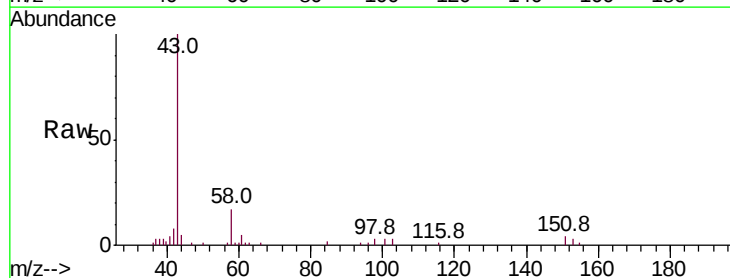
Acq: 31 May 2019 14:04

Tgt Ion: 43 Resp: 197767

Ion Ratio Lower Upper

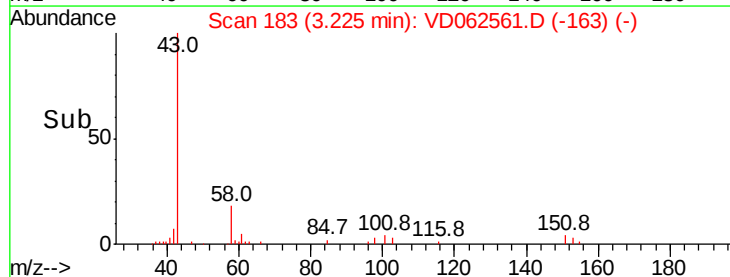
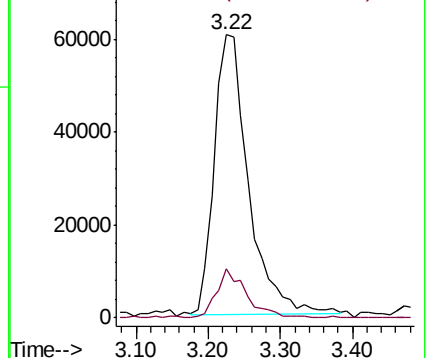
43 100

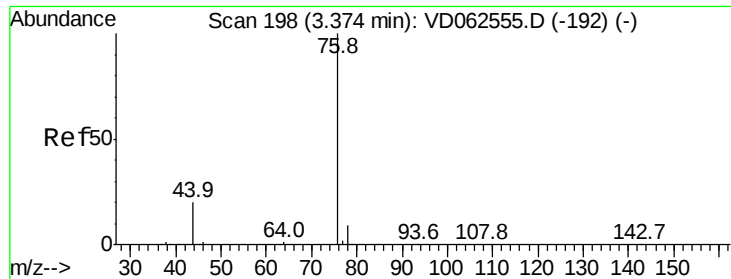
58 17.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

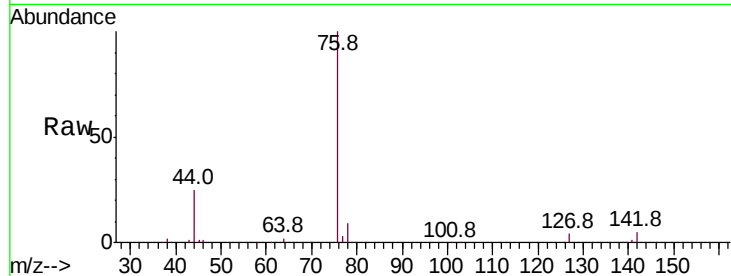




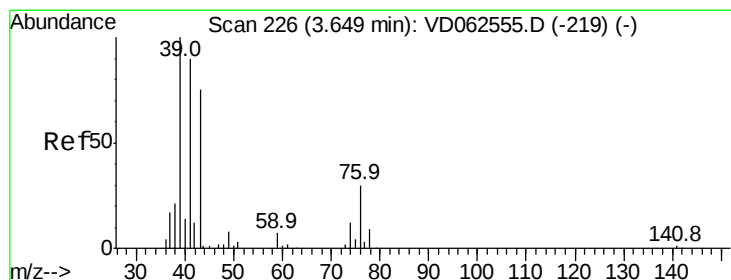
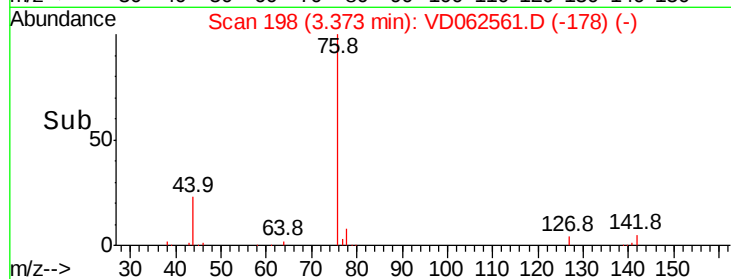
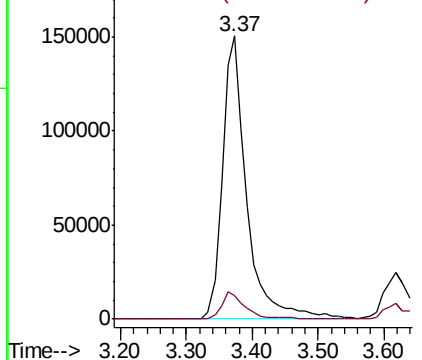
#17
Carbon Disulfide
Concen: 18.549 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

Tot Ion: 76 Resp: 383983
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2

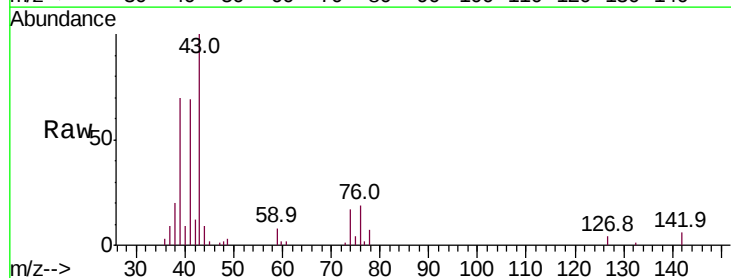


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

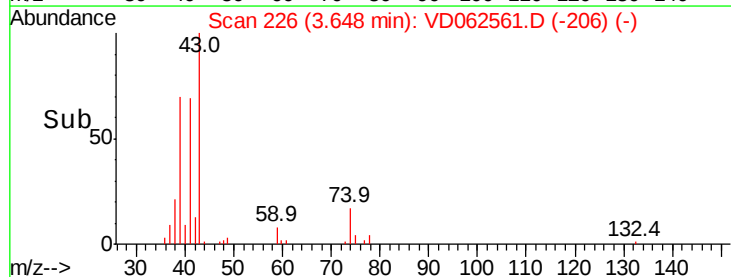
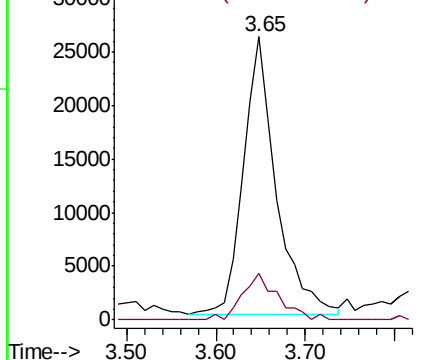


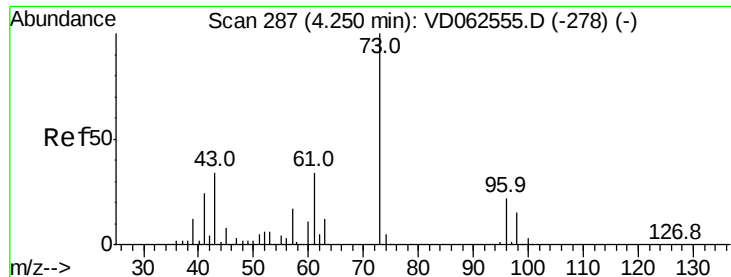
#18
Methyl Acetate
Concen: 21.375 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 43 Resp: 65442
Ion Ratio Lower Upper
43 100
74 16.6 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



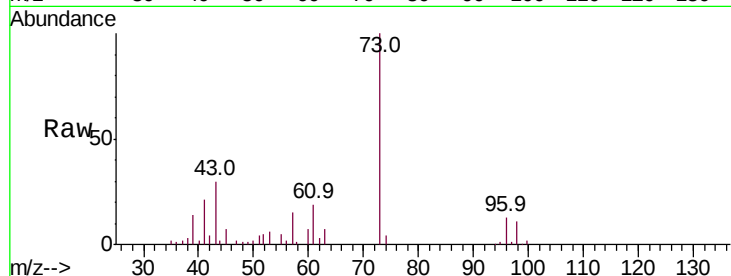


#19

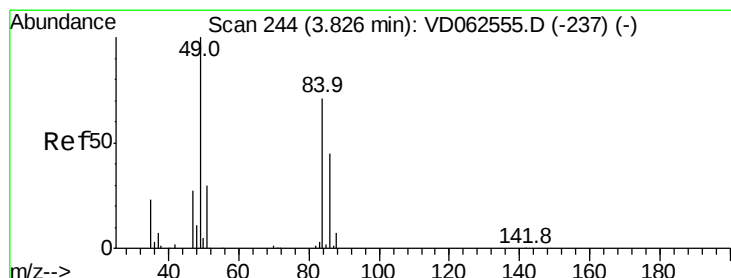
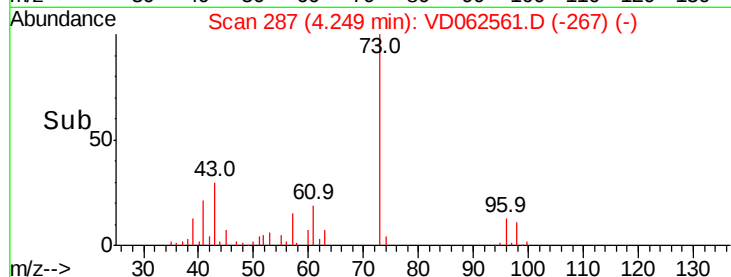
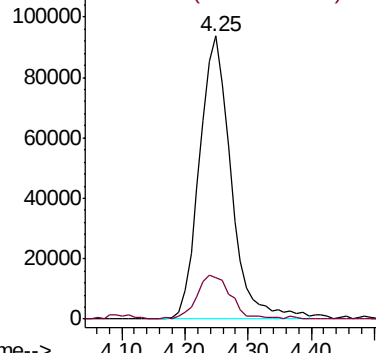
Methyl tert-butyl Ether
 Concen: 21.139 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0531SBS01

Tot Ion: 73 Resp: 326114
 Ion Ratio Lower Upper
 73 100
 57 14.7 13.8 20.8



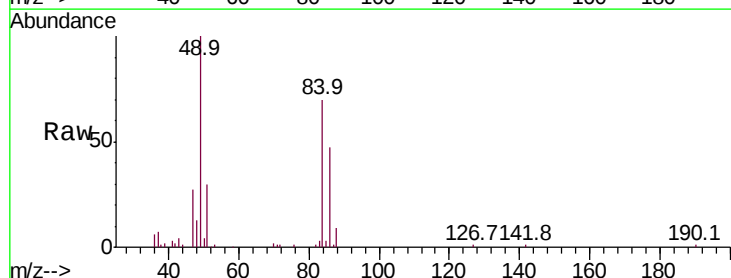
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



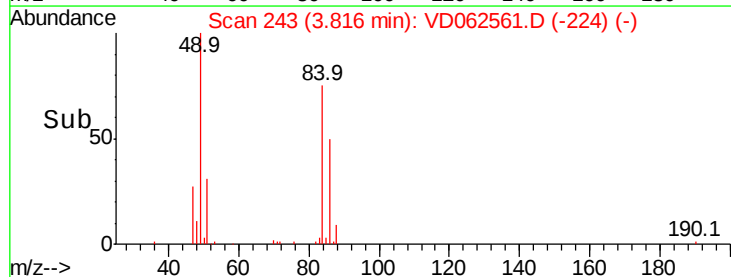
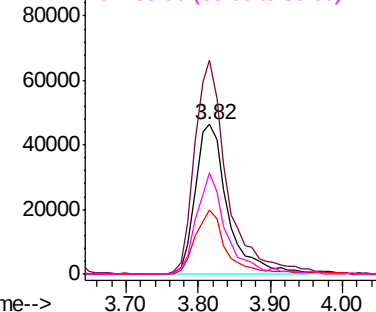
#20

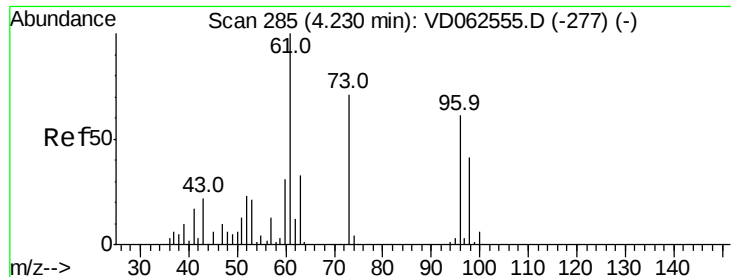
Methylene Chloride
 Concen: 20.796 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Tgt Ion: 84 Resp: 144407
 Ion Ratio Lower Upper
 84 100
 49 143.0 112.3 168.5
 51 43.1 33.6 50.4
 86 67.4 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 19.132 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBSD01

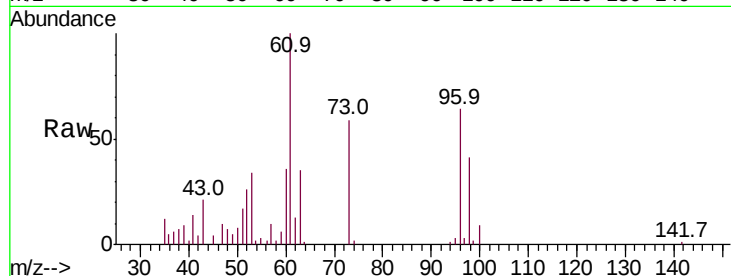
Tot Ion: 96 Resp: 138271

Ion Ratio Lower Upper

96 100

61 156.9 131.1 196.7

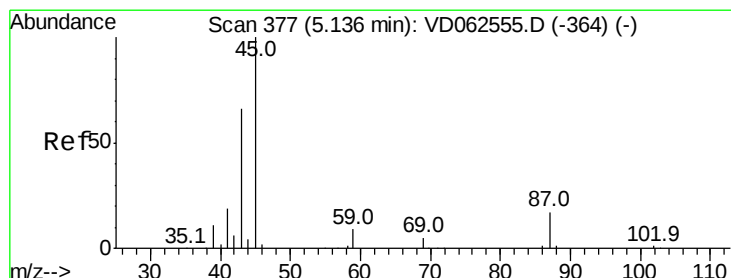
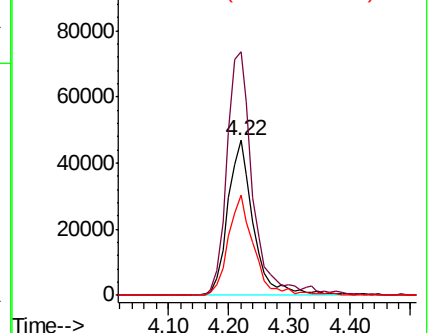
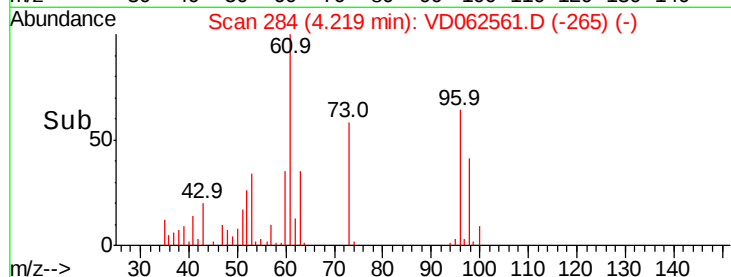
98 64.6 54.2 81.4



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: 20.670 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Tgt Ion: 45 Resp: 420061

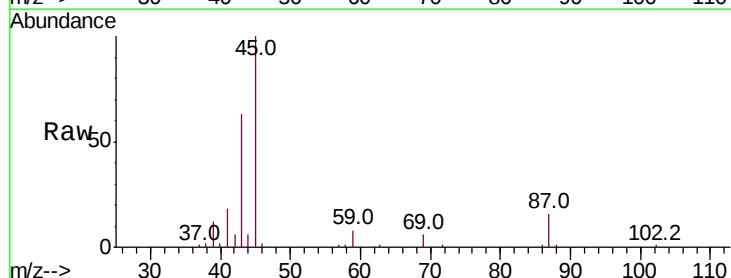
Ion Ratio Lower Upper

45 100

43 62.5 53.6 80.4

87 16.2 14.2 21.4

59 7.7 7.3 10.9

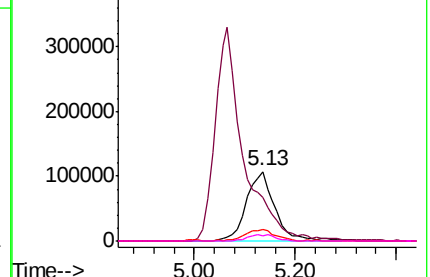
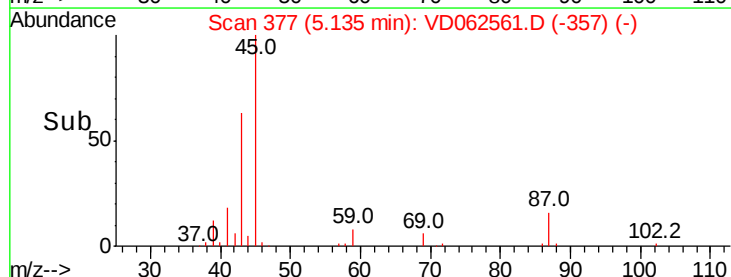


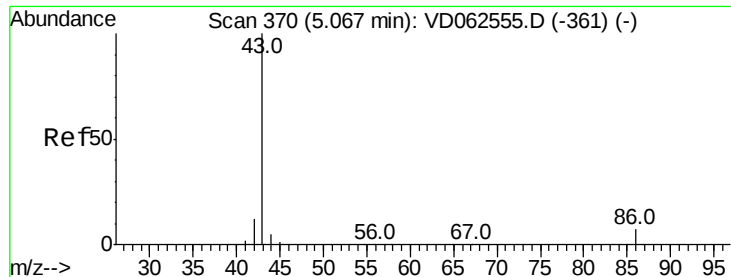
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 104.701 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

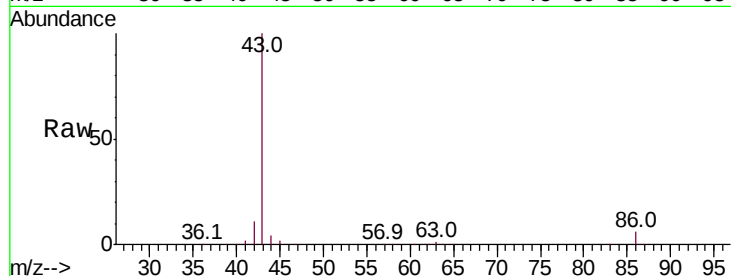
VD0531SBS01

Tot Ion: 43 Resp: 1290381

Ion Ratio Lower Upper

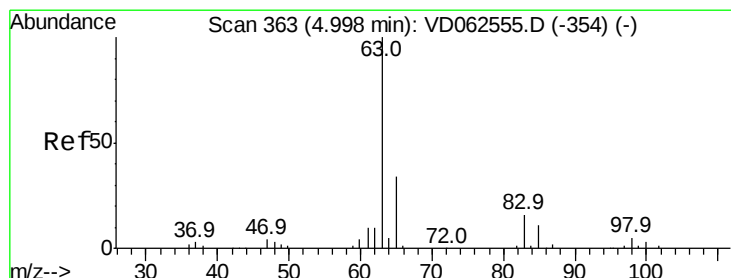
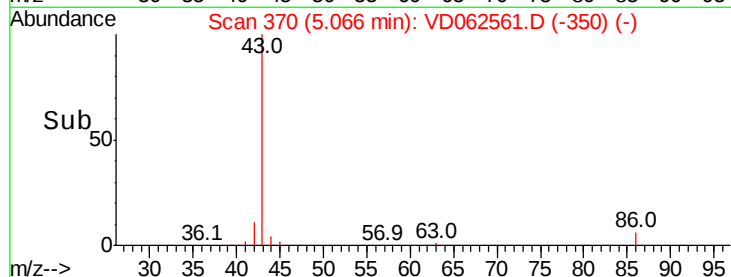
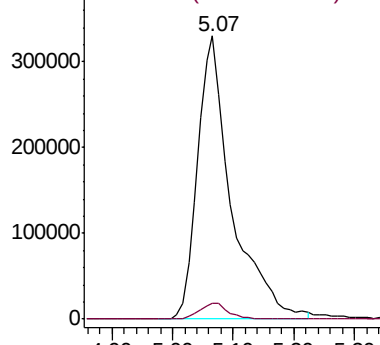
43 100

86 5.8 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.342 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

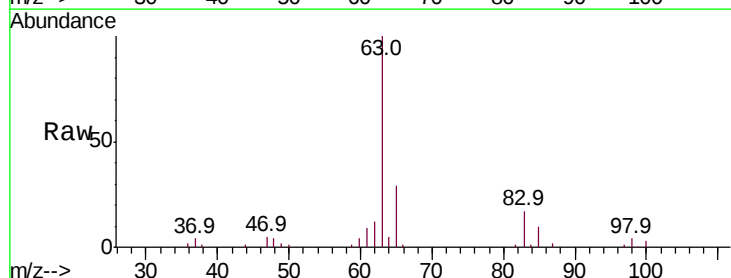
Tgt Ion: 63 Resp: 266781

Ion Ratio Lower Upper

63 100

98 4.3 2.5 7.5

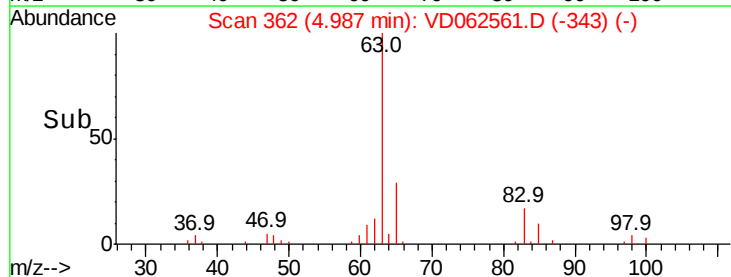
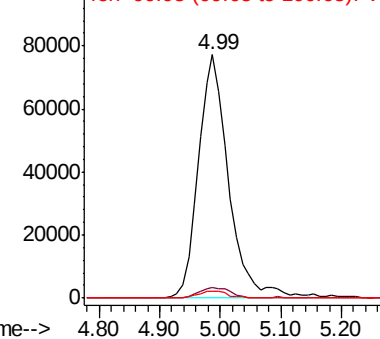
100 2.9 1.6 4.7

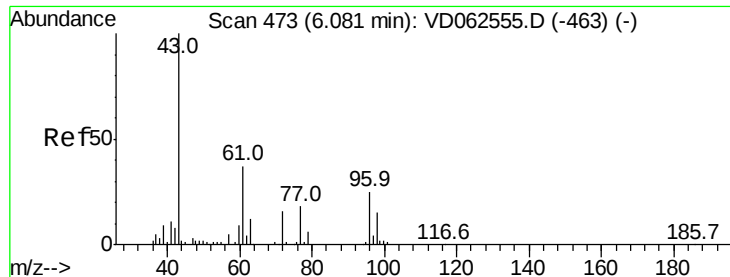


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 106.513 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

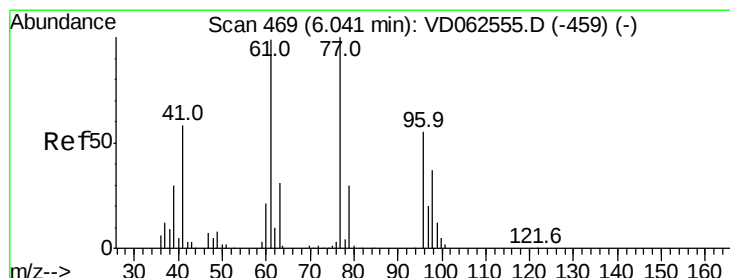
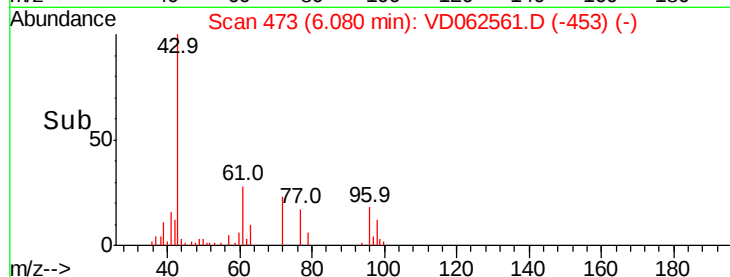
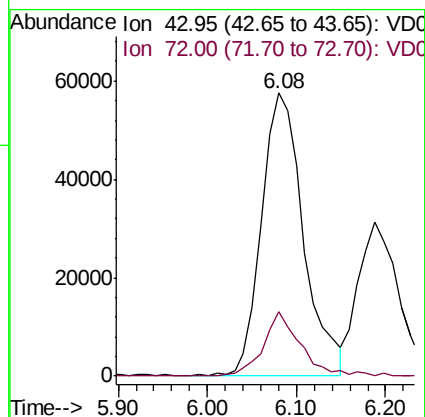
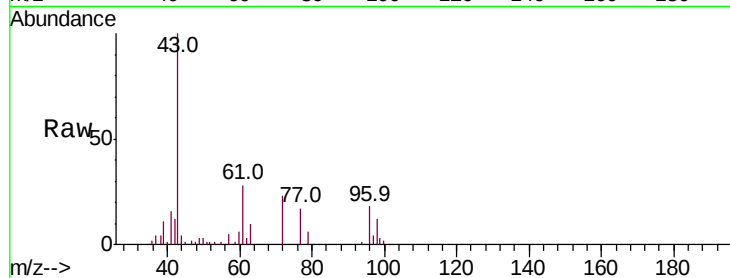
VD0531SBSD01

Tot Ion: 43 Resp: 188169

Ion Ratio Lower Upper

43 100

72 22.9 12.7 19.1#



#26

2,2-Dichloropropane

Concen: 20.872 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062561.D

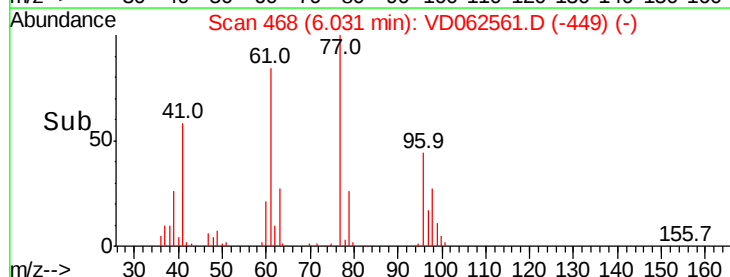
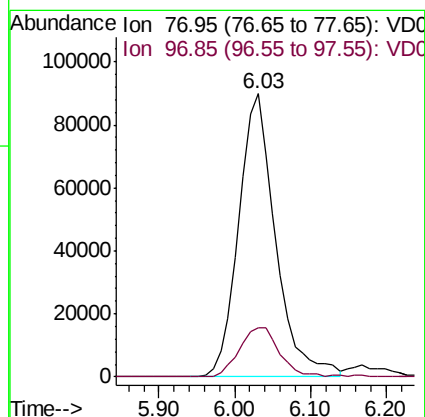
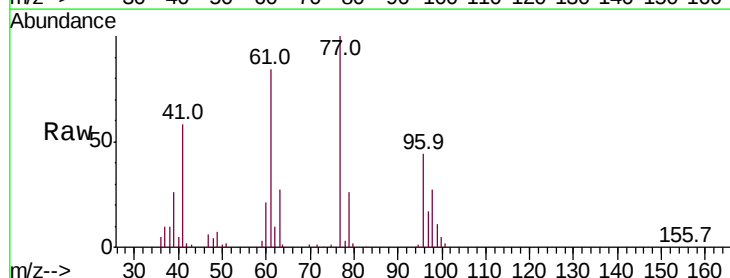
Acq: 31 May 2019 14:04

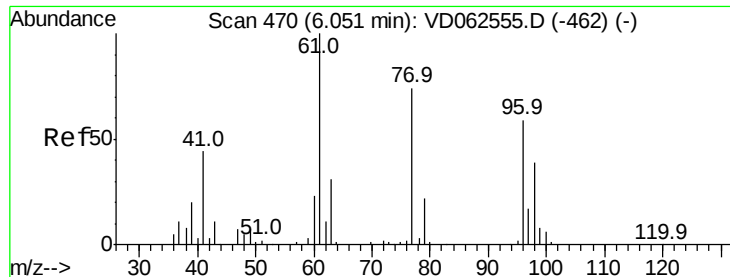
Tgt Ion: 77 Resp: 303672

Ion Ratio Lower Upper

77 100

97 17.2 9.8 29.3



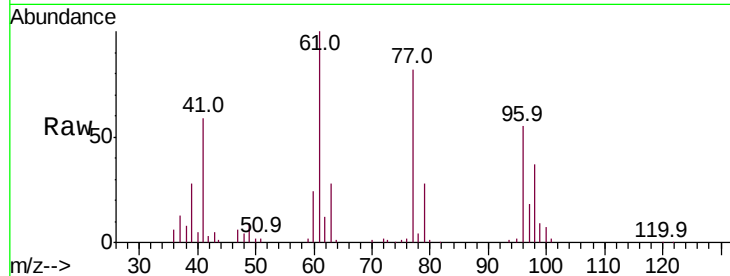


#27

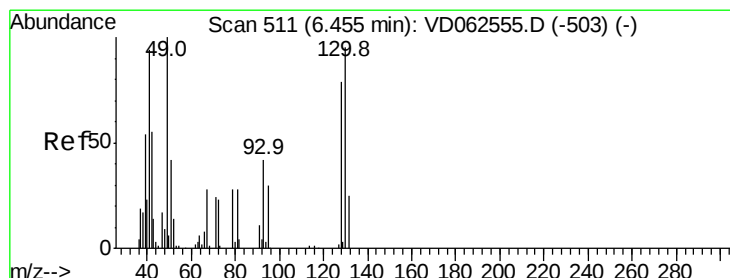
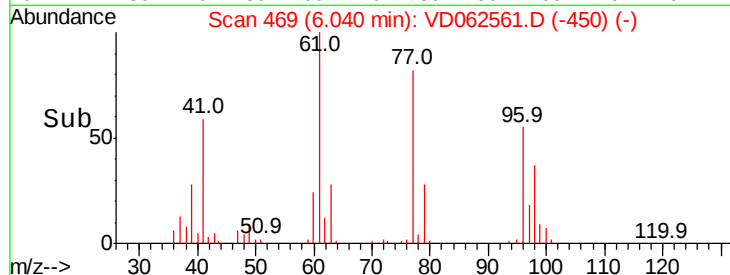
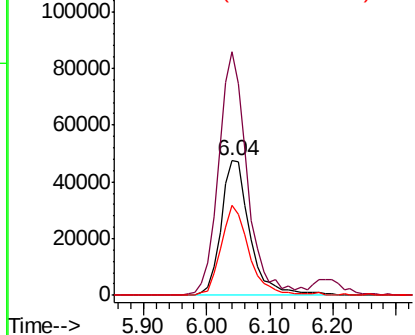
cis-1,2-Dichloroethene
Concen: 20.287 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

Tot Ion: 96 Resp: 150710
Ion Ratio Lower Upper
96 100
61 181.3 0.0 342.4
98 67.1 0.0 134.6



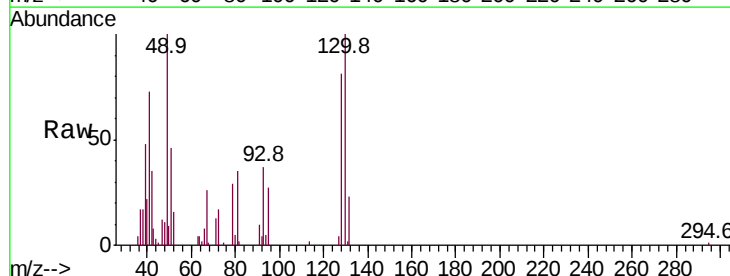
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



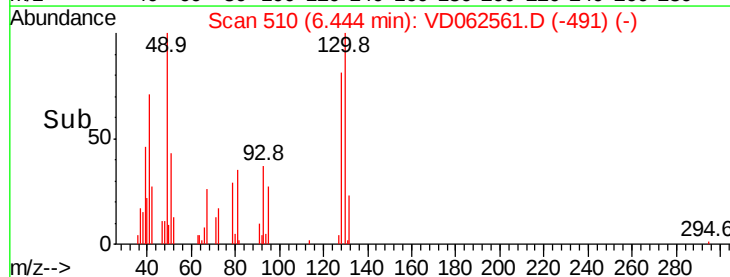
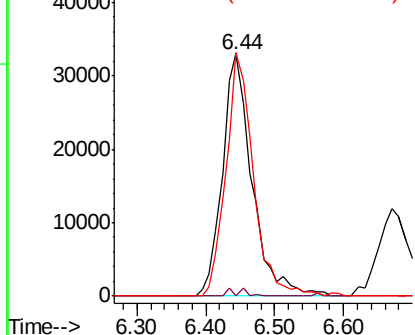
#28

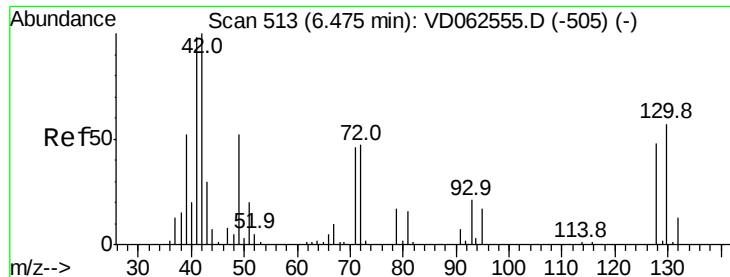
Bromochloromethane
Concen: 21.618 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 49 Resp: 97969
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 100.5 75.8 113.8



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: 112.097 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

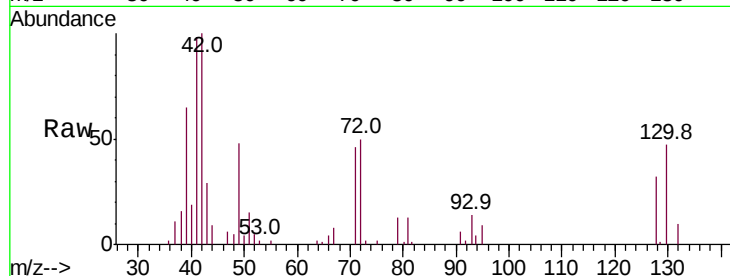
Tot Ion: 42 Resp: 88709

Ion Ratio Lower Upper

42 100

72 44.0 34.5 51.7

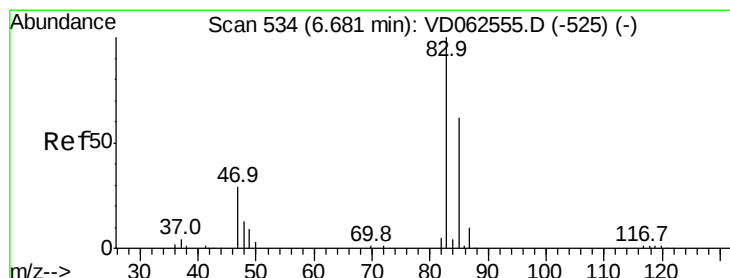
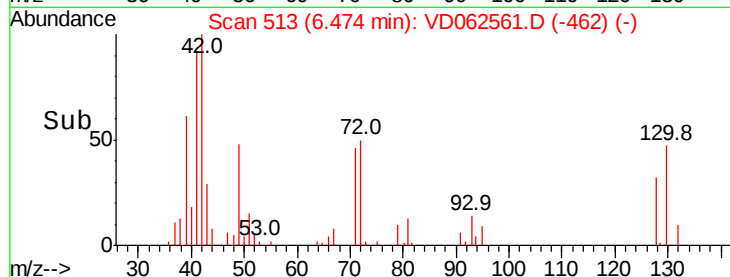
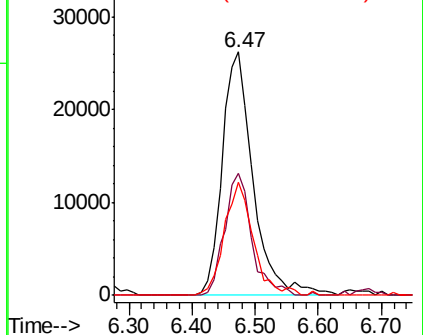
71 43.3 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.910 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062561.D

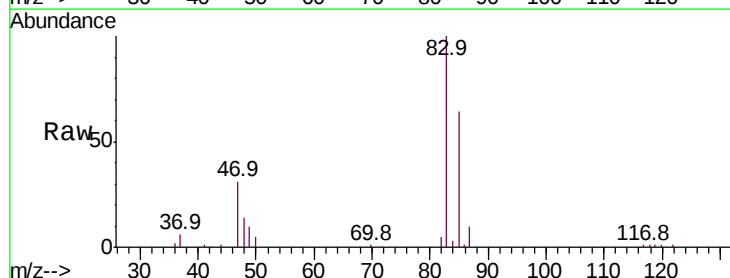
Acq: 31 May 2019 14:04

Tgt Ion: 83 Resp: 330455

Ion Ratio Lower Upper

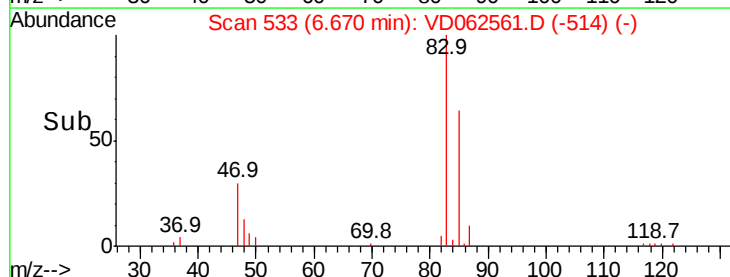
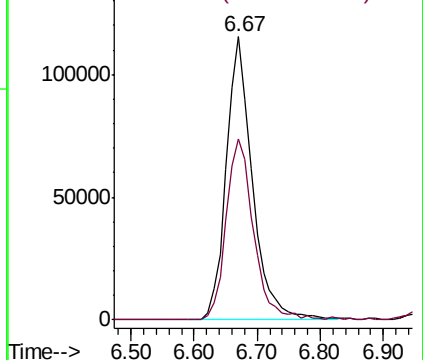
83 100

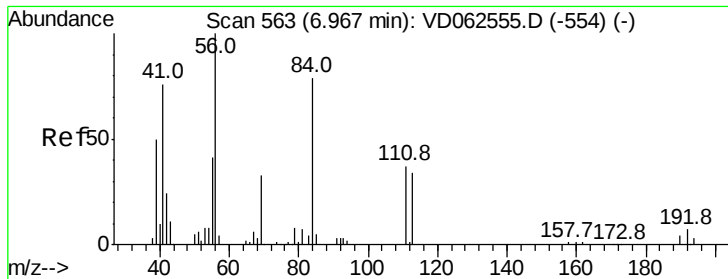
85 63.8 49.4 74.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 18.537 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

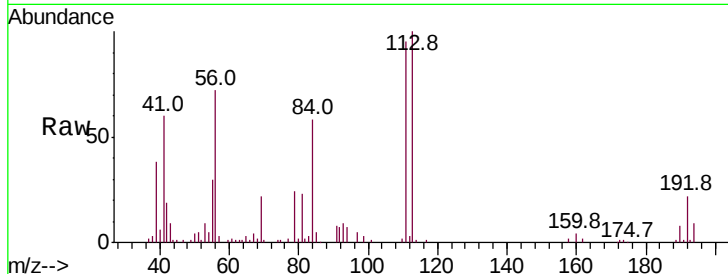
Tot Ion: 56 Resp: 164369

Ion Ratio Lower Upper

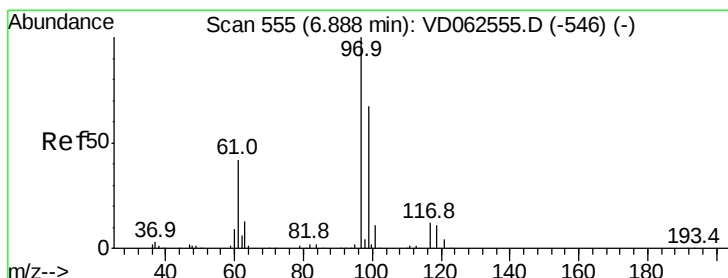
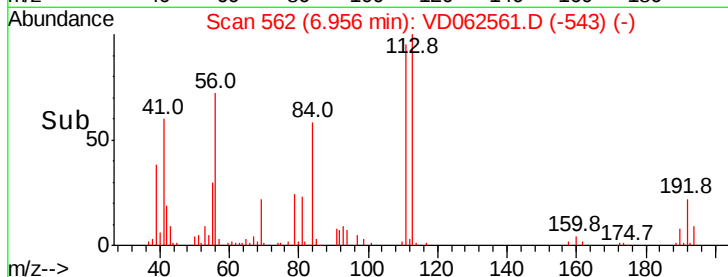
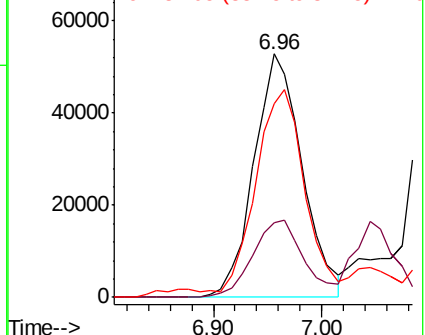
56 100

69 30.6 26.2 39.2

84 79.8 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 21.206 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

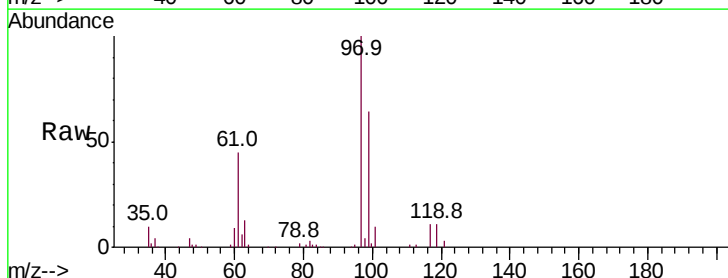
Tgt Ion: 97 Resp: 348772

Ion Ratio Lower Upper

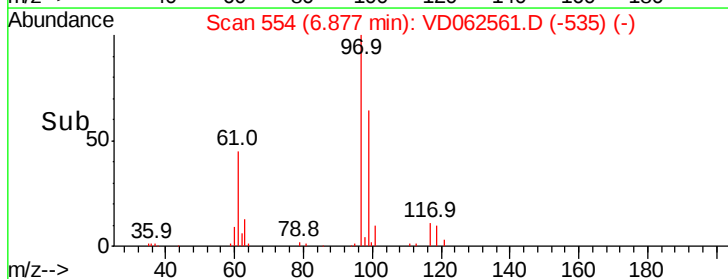
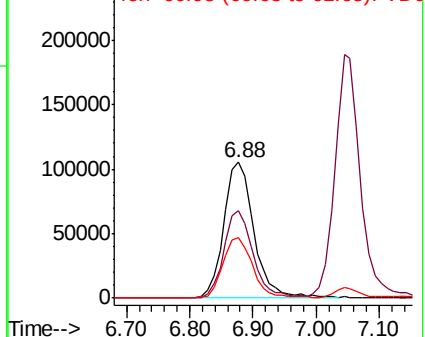
97 100

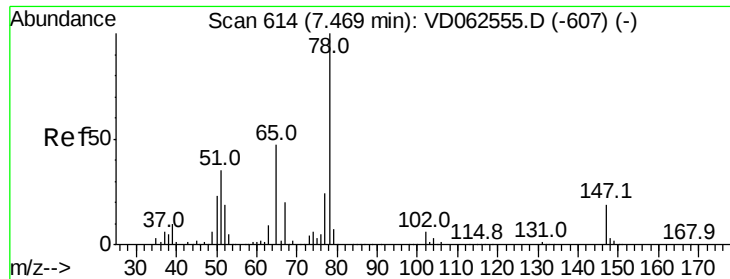
99 64.4 53.6 80.4

61 44.7 33.9 50.9



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





#33

1,2-Dichloroethane-d4

Concen: 53.627 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

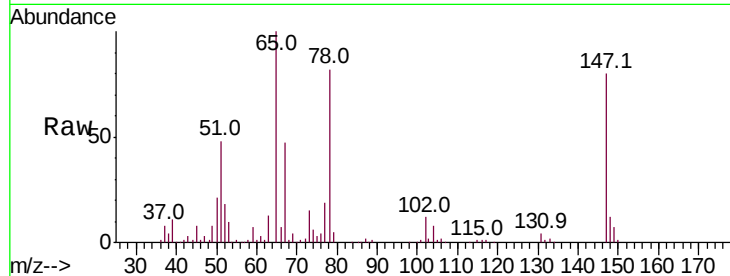
VD0531SBS01

Tot Ion: 65 Resp: 511987

Ion Ratio Lower Upper

65 100

67 46.8 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

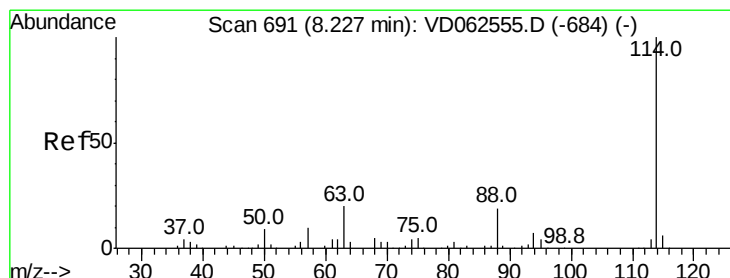
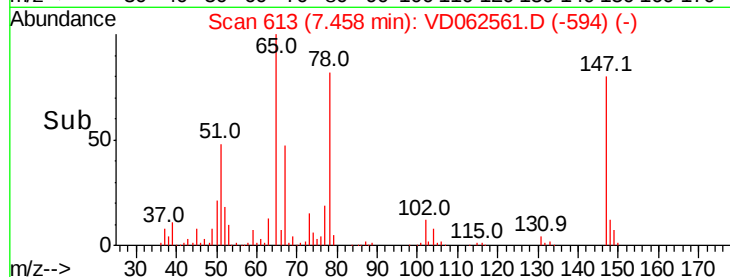
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

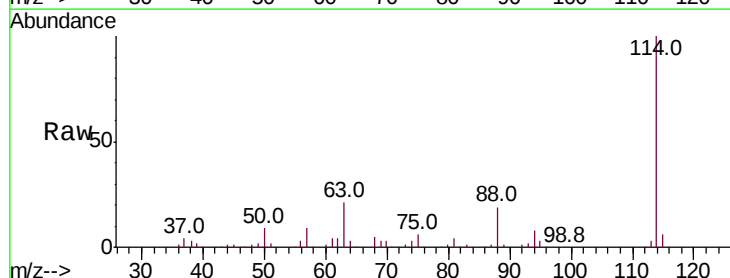
Tgt Ion:114 Resp: 1066142

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.6

88 18.6 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

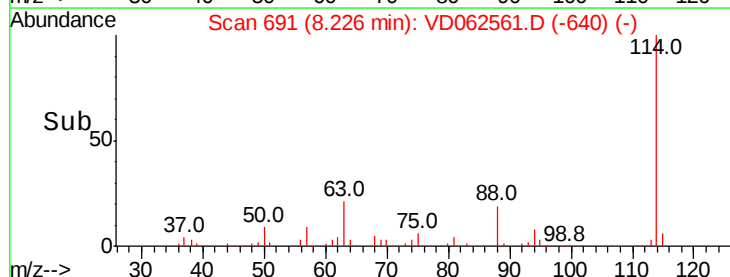
200000

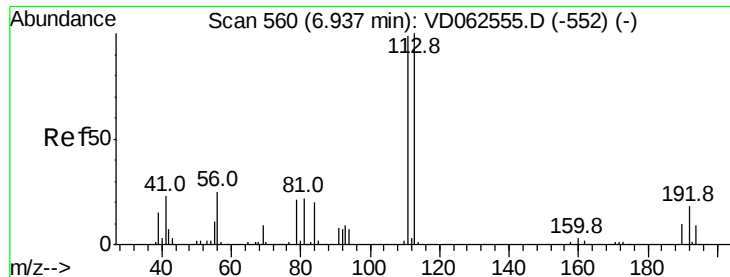
100000

0

8.10 8.20 8.30 8.40

Time-->





#35

Dibromofluoromethane

Concen: 54.327 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBSD01

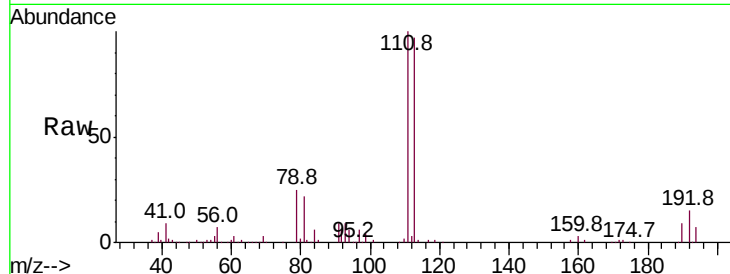
Tot Ion:113 Resp: 527802

Ion Ratio Lower Upper

113 100

111 103.2 78.8 118.2

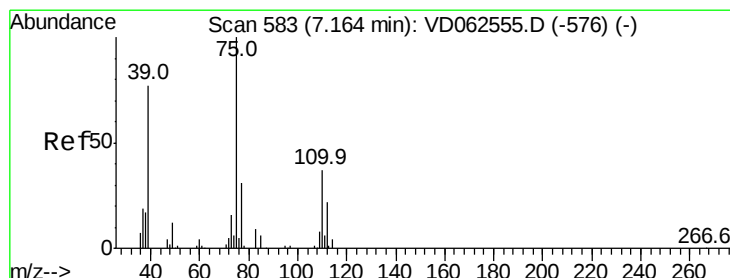
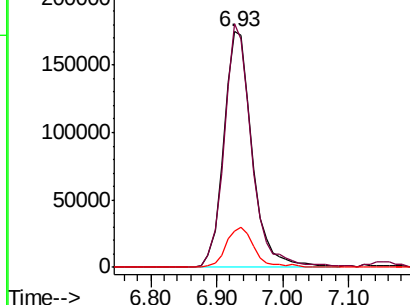
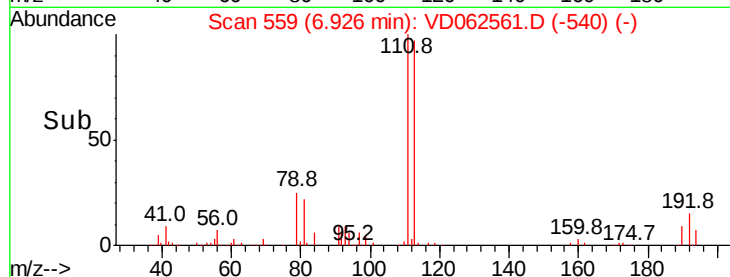
192 15.4 14.6 22.0



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: 20.334 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

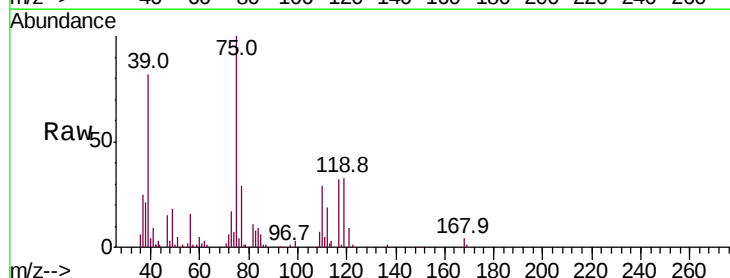
Tgt Ion: 75 Resp: 215803

Ion Ratio Lower Upper

75 100

110 29.3 18.3 54.8

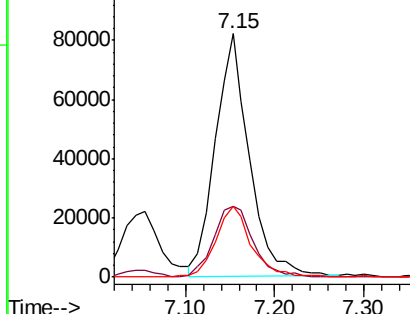
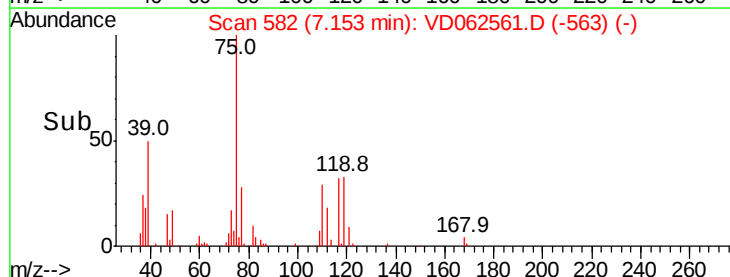
77 29.0 24.4 36.6

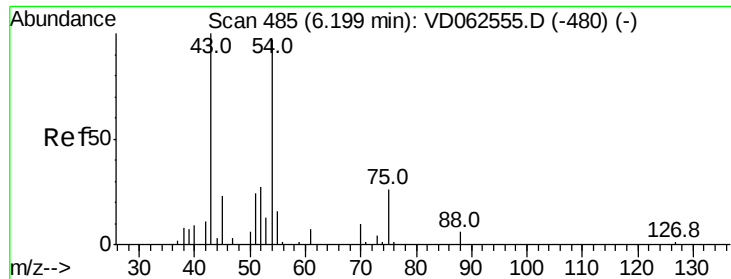


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

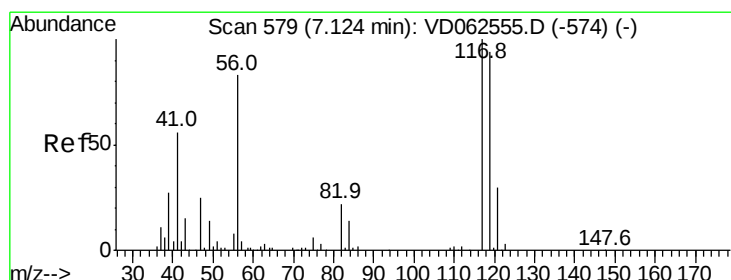
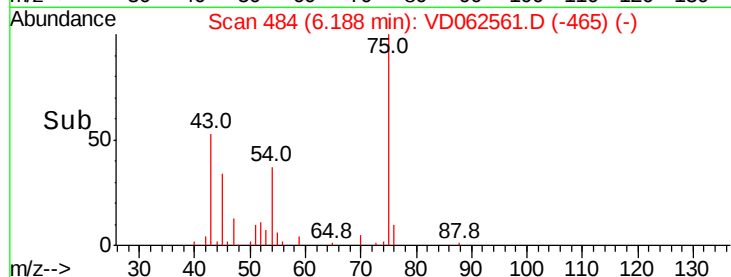
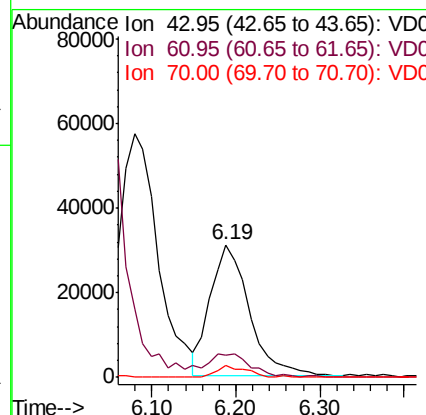
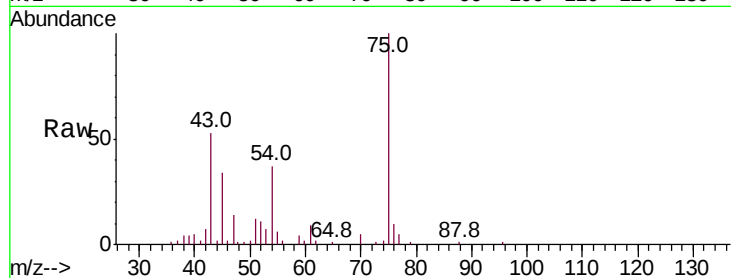




#37
Ethyl Acetate
Concen: 22.122 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

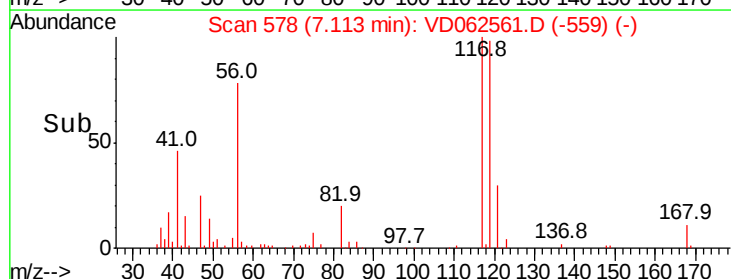
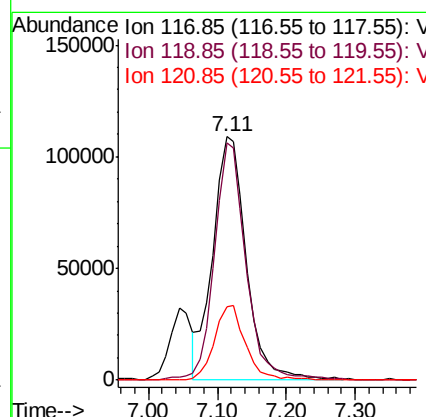
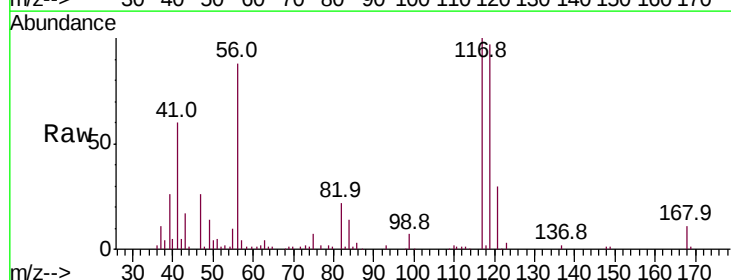
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

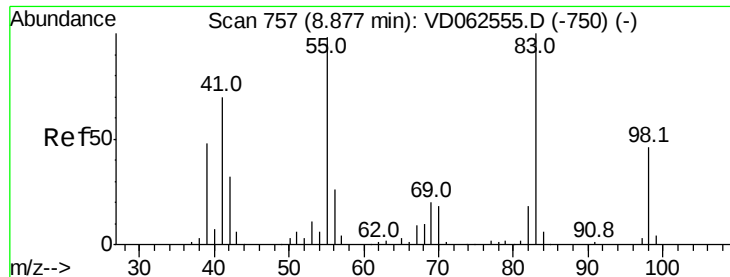
Tot Ion: 43 Resp: 98980
Ion Ratio Lower Upper
43 100
61 17.1 9.8 14.8#
70 9.0 6.5 9.7



#38
Carbon Tetrachloride
Concen: 23.064 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 117 Resp: 364440
Ion Ratio Lower Upper
117 100
119 97.3 71.4 107.2
121 30.0 22.5 33.7

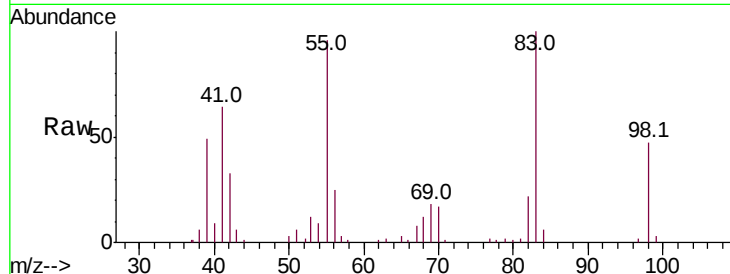




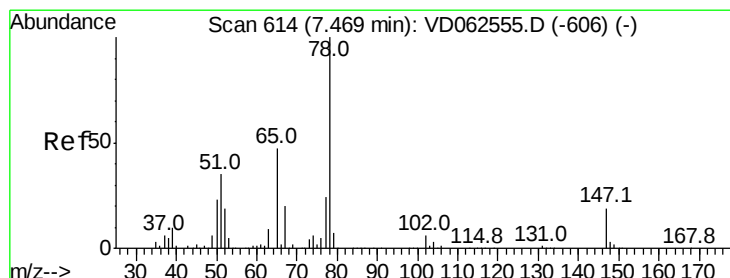
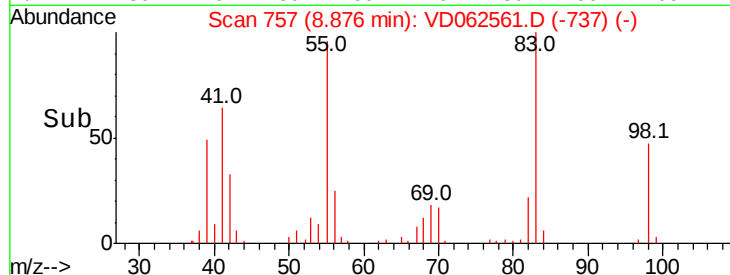
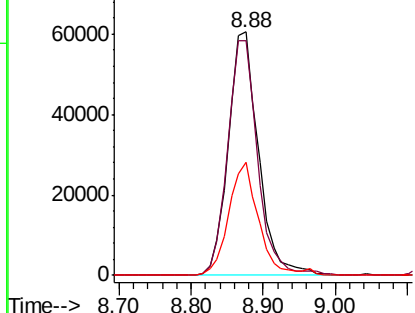
#39
Methvlcvclohexane
Concen: 19.674 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

Tot Ion: 83 Resp: 176776
Ion Ratio Lower Upper
83 100
55 96.4 78.7 118.1
98 46.6 37.2 55.8

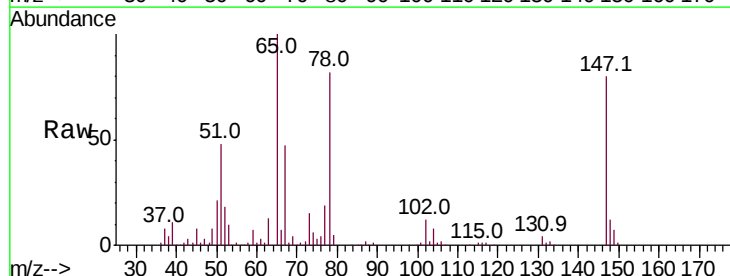


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

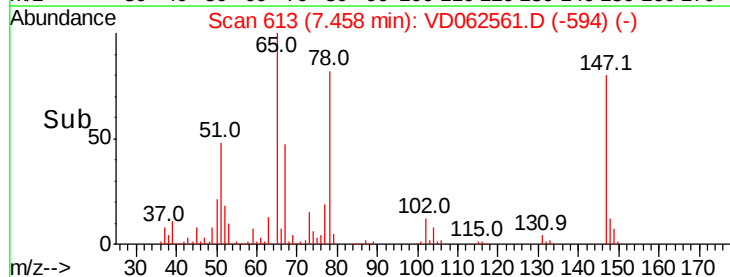
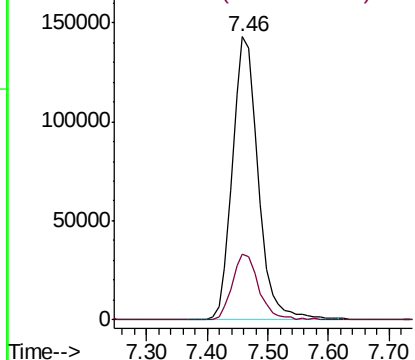


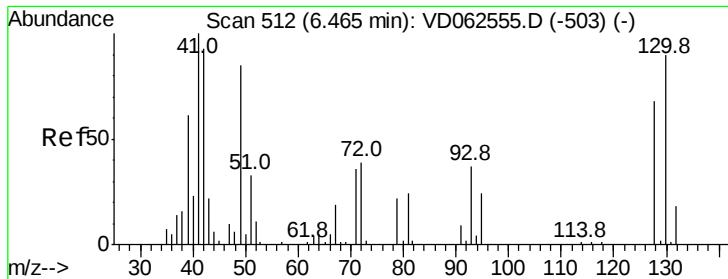
#40
Benzene
Concen: 20.303 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 78 Resp: 422913
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



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





#41

Methacrylonitrile

Concen: 22.499 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

Tot Ion: 41 Resp: 118463

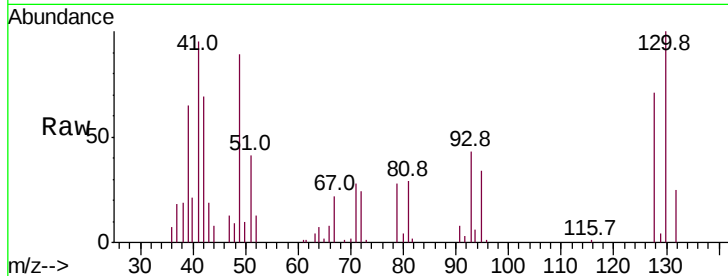
Ion Ratio Lower Upper

41 100

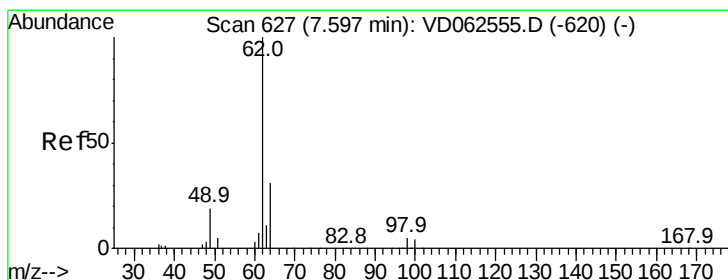
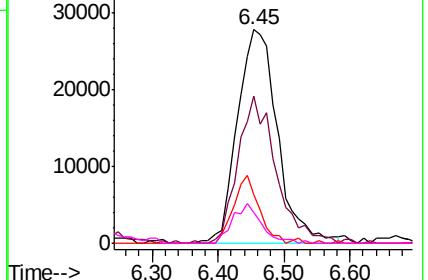
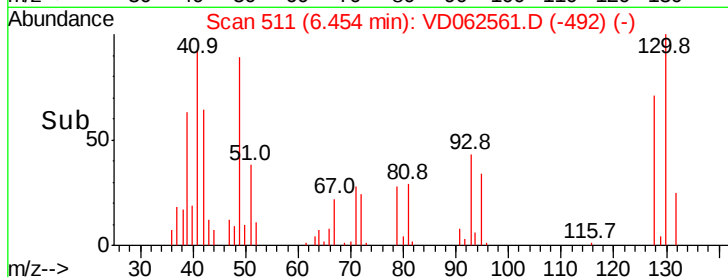
39 68.7 49.0 73.6

67 22.9 15.5 23.3

52 14.2 8.9 13.3#



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: 22.825 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD062561.D

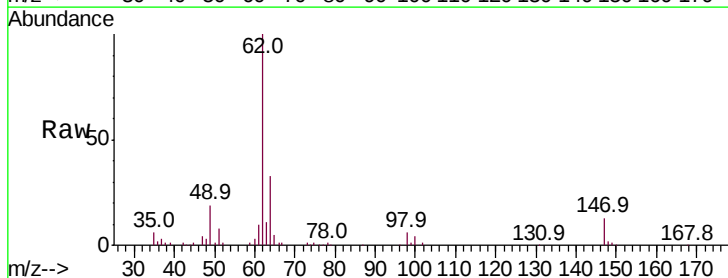
Acq: 31 May 2019 14:04

Tgt Ion: 62 Resp: 264836

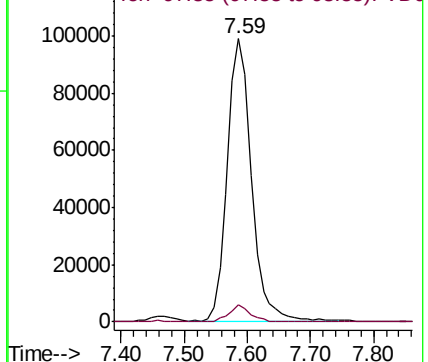
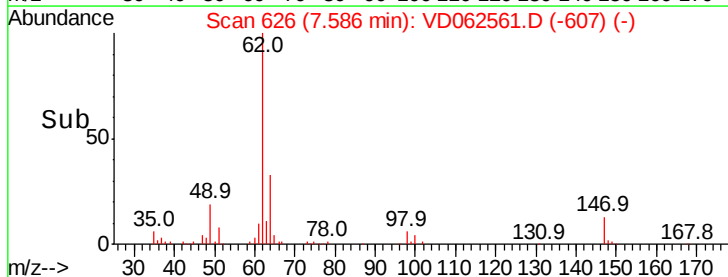
Ion Ratio Lower Upper

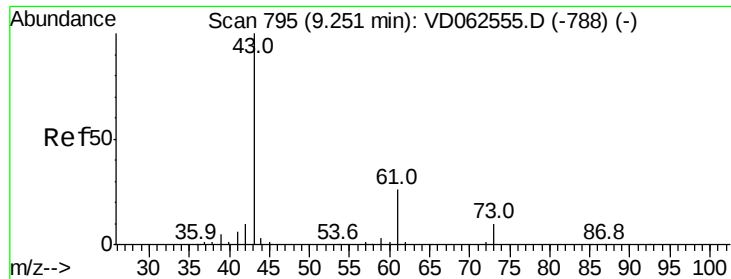
62 100

98 6.0 0.0 11.0



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





#43

Isopropyl Acetate

Concen: 22.353 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

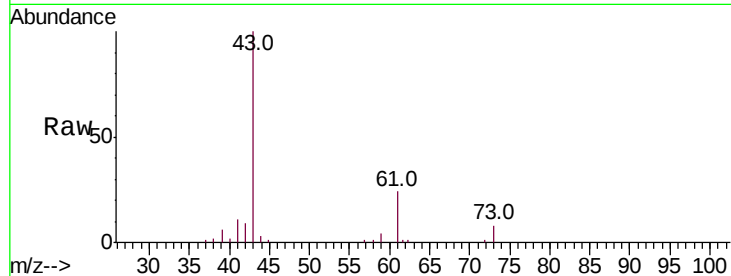
Tot Ion: 43 Resp: 124478

Ion Ratio Lower Upper

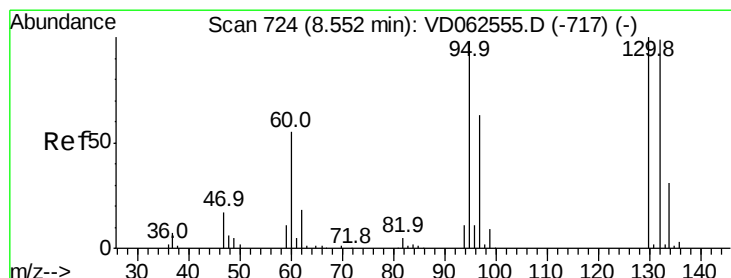
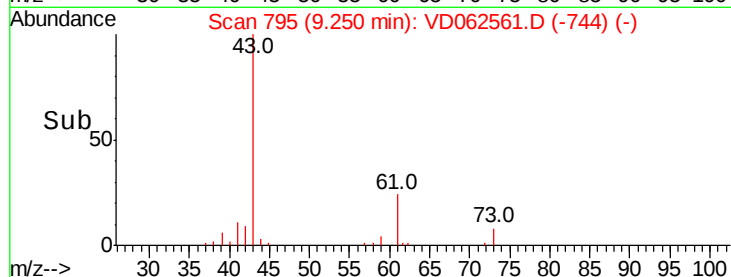
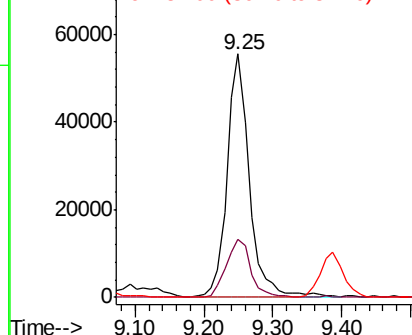
43 100

61 24.0 20.5 30.7

87 0.0 0.2 0.2#



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: 20.350 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD062561.D

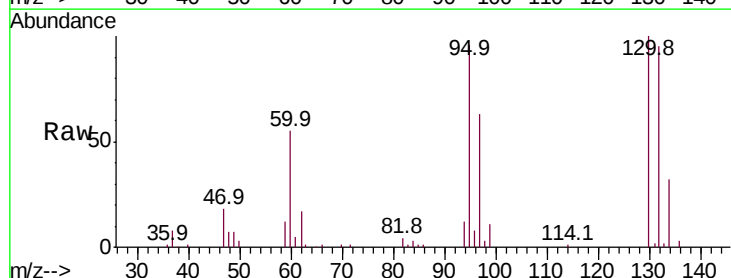
Acq: 31 May 2019 14:04

Tgt Ion:130 Resp: 169342

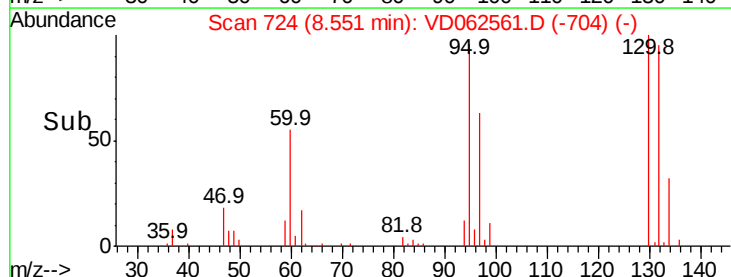
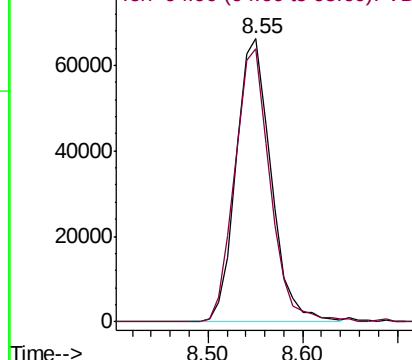
Ion Ratio Lower Upper

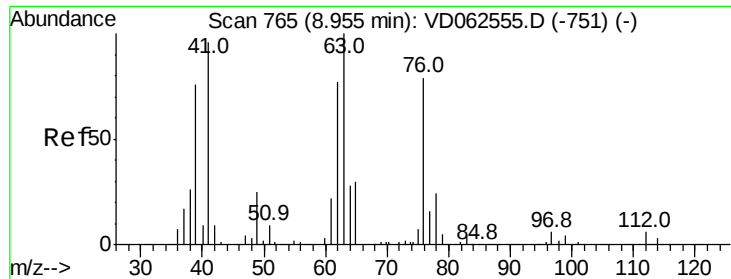
130 100

95 96.3 0.0 196.6



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





#45

1,2-Dichloropropane

Concen: 21.342 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

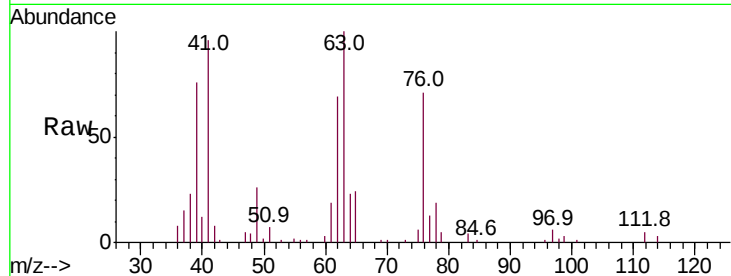
VD0531SBSD01

Tot Ion: 63 Resp: 108988

Ion Ratio Lower Upper

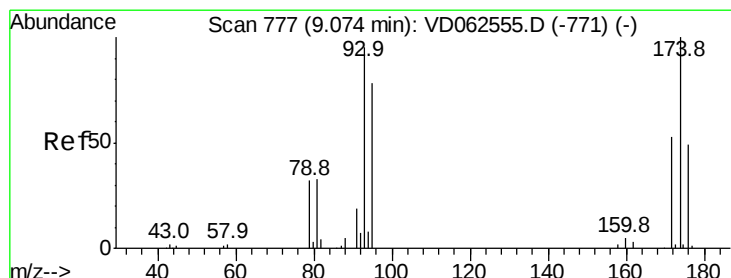
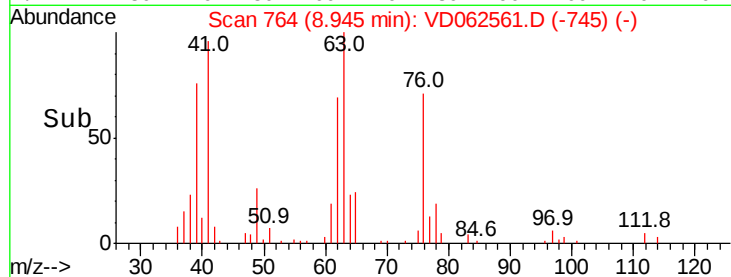
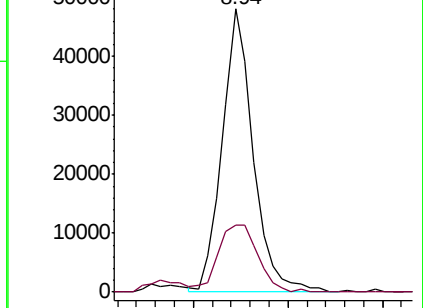
63 100

65 23.6 23.7 35.5#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.834 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

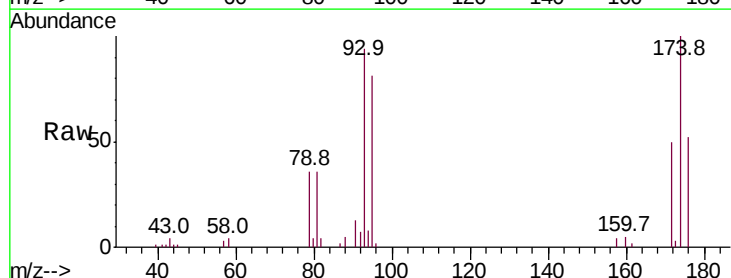
Tgt Ion: 93 Resp: 97946

Ion Ratio Lower Upper

93 100

95 85.9 66.1 99.1

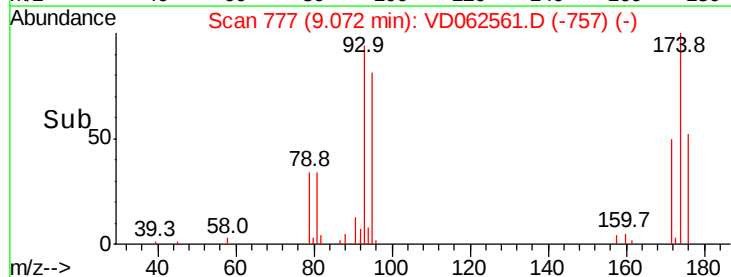
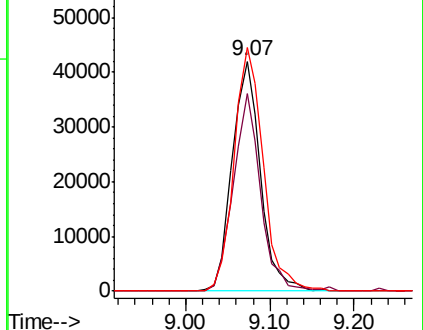
174 105.8 84.2 126.4

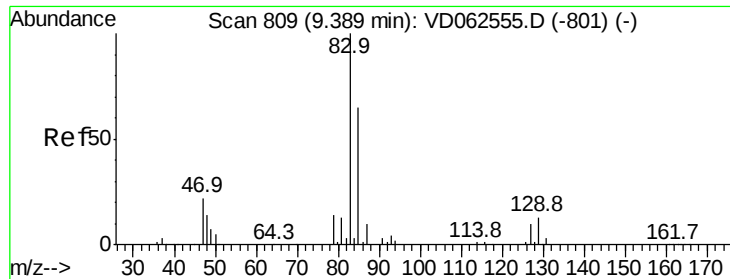


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.267 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

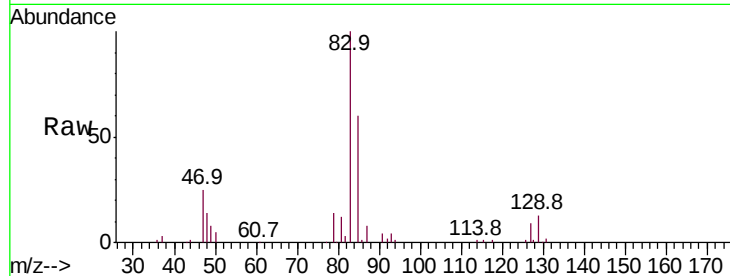
Tot Ion: 83 Resp: 263179

Ion Ratio Lower Upper

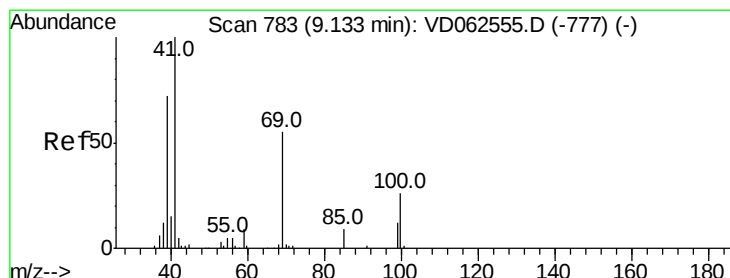
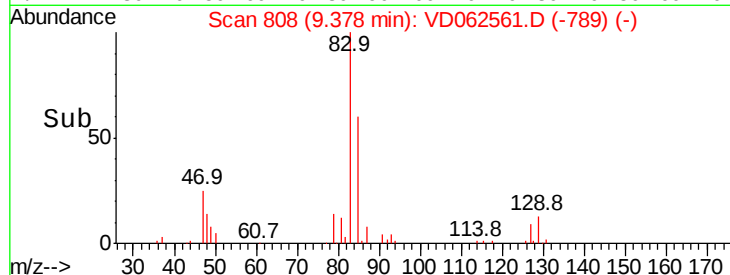
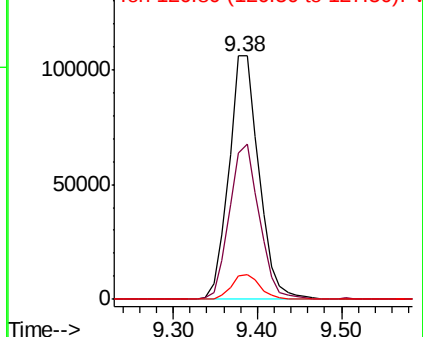
83 100

85 59.9 51.8 77.8

127 9.4 7.8 11.6



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: 24.174 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

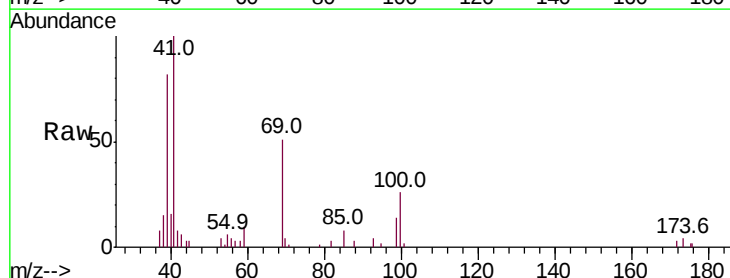
Tgt Ion: 41 Resp: 89662

Ion Ratio Lower Upper

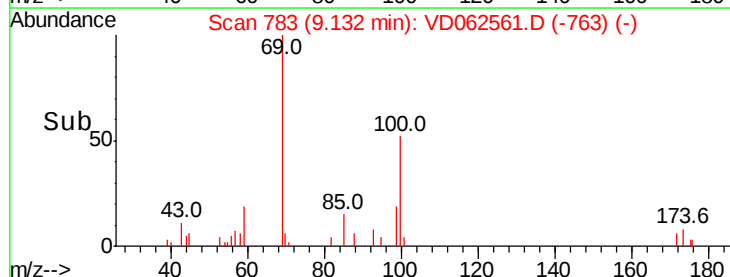
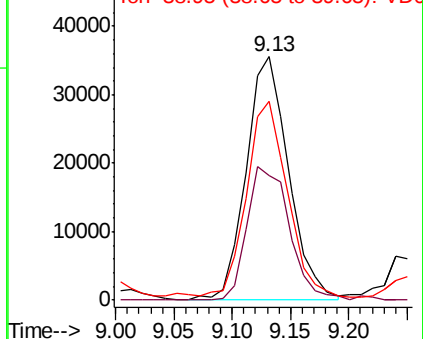
41 100

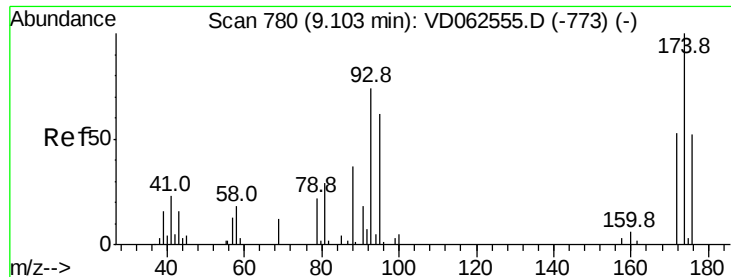
69 51.2 43.6 65.4

39 81.5 58.1 87.1



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: 441.867 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.02 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

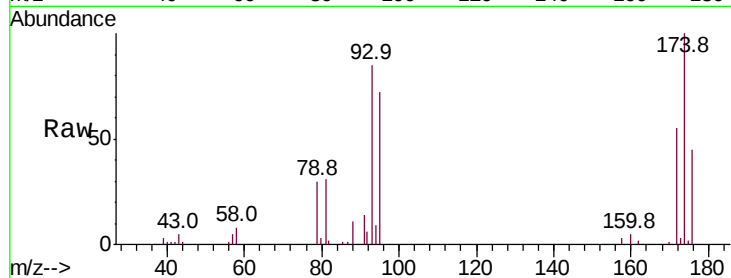
Tot Ion: 88 Resp: 13312

Ion Ratio Lower Upper

88 100

43 41.4 37.1 55.7

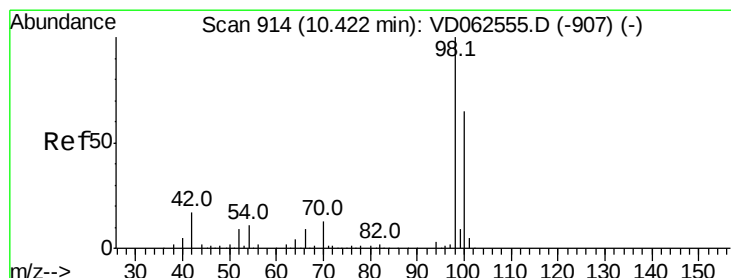
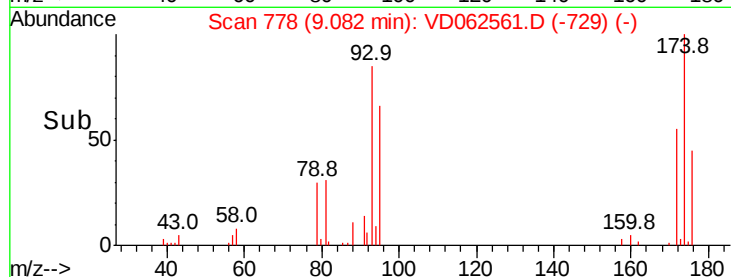
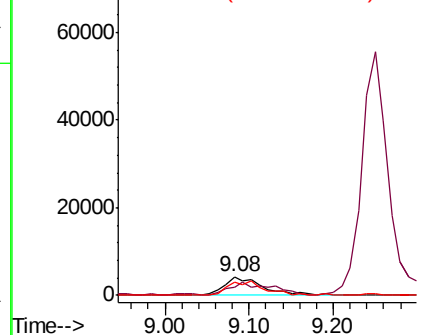
58 73.3 39.3 58.9#



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: 52.032 ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD062561.D

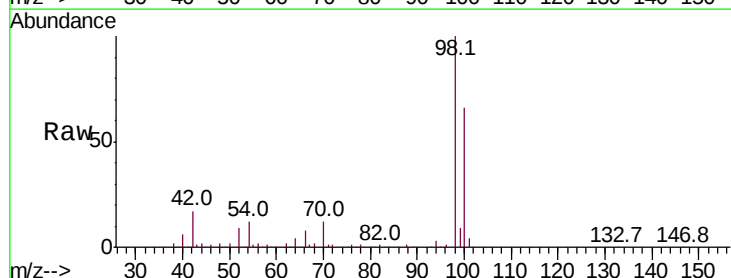
Acq: 31 May 2019 14:04

Tgt Ion: 98 Resp: 1107584

Ion Ratio Lower Upper

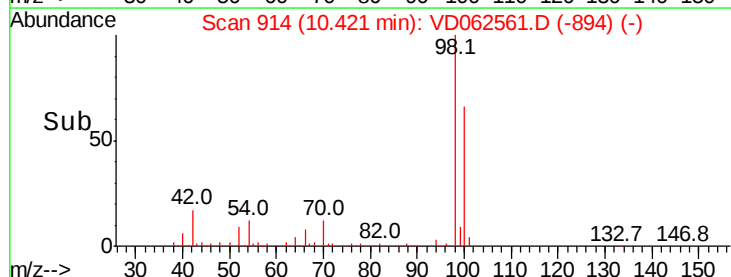
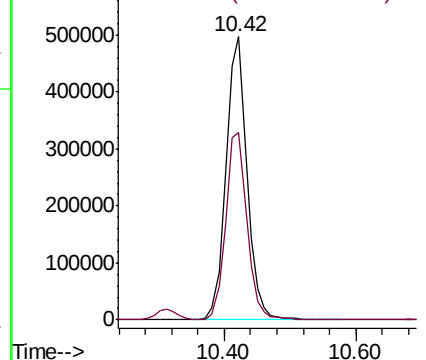
98 100

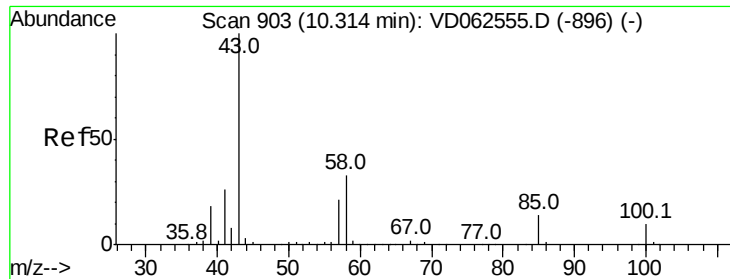
100 66.3 52.3 78.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 105.189 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

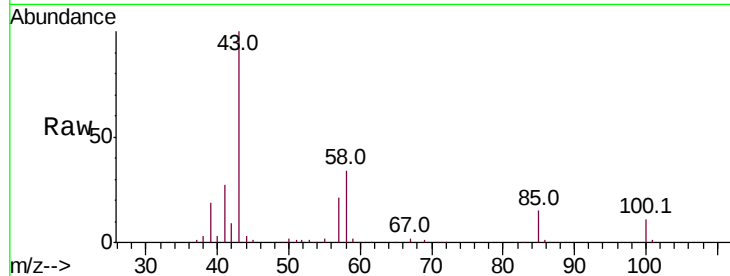
VD0531SBS01

Tot Ion: 43 Resp: 408681

Ion Ratio Lower Upper

43 100

58 33.5 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

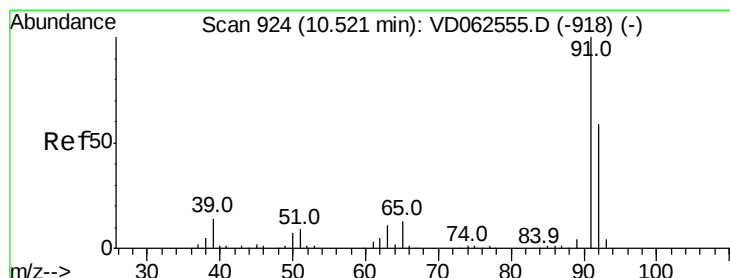
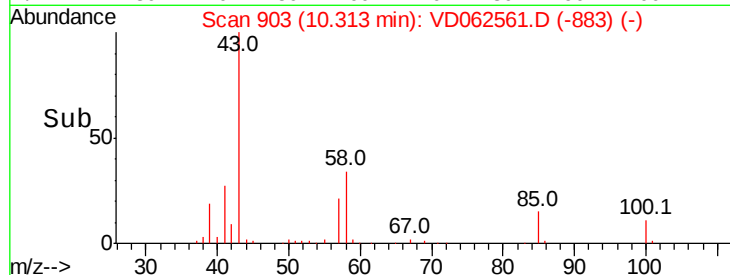
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.979 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062561.D

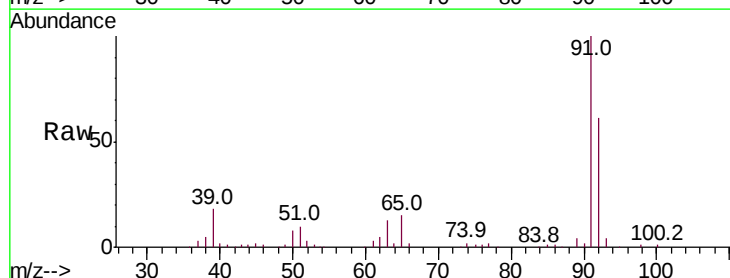
Acq: 31 May 2019 14:04

Tgt Ion: 92 Resp: 283842

Ion Ratio Lower Upper

92 100

91 163.1 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

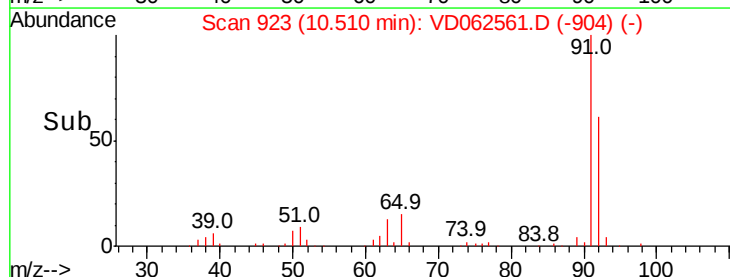
150000

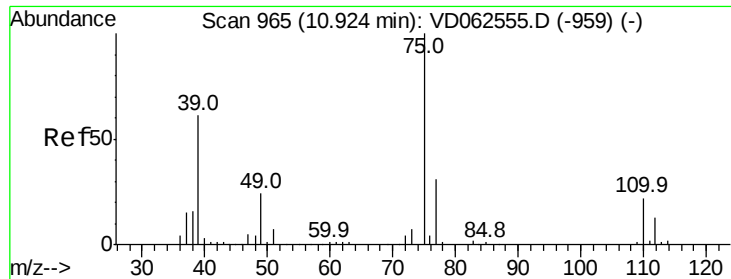
100000

50000

0

Time-->

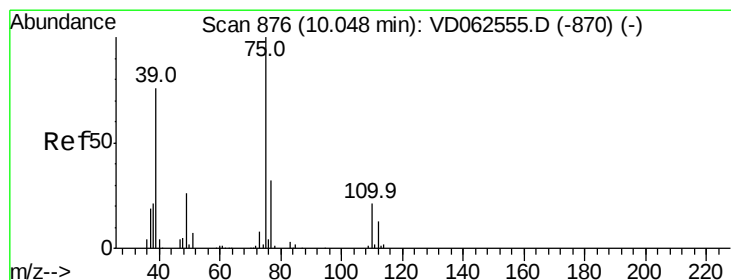
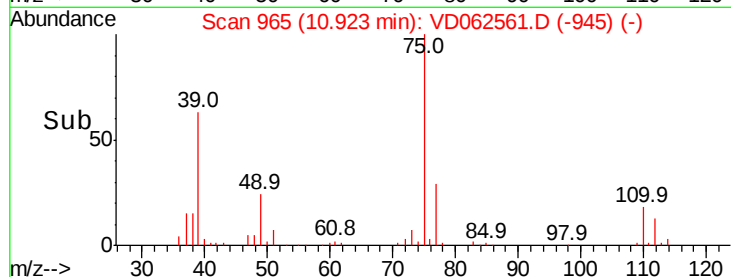
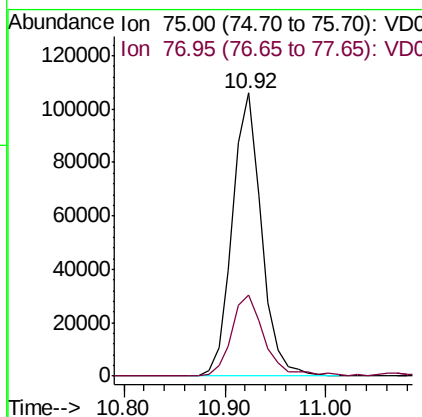
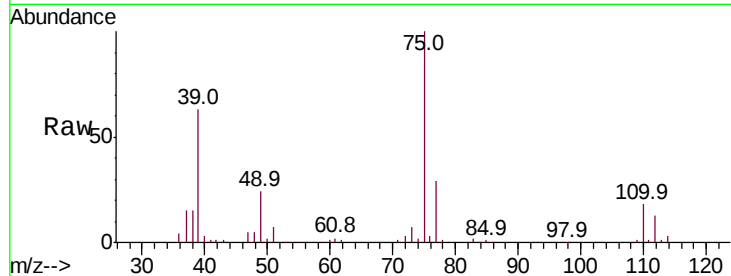




#53
t-1,3-Dichloropropene
Concen: 21.221 ug/l
RT: 10.92 min Scan# 965
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

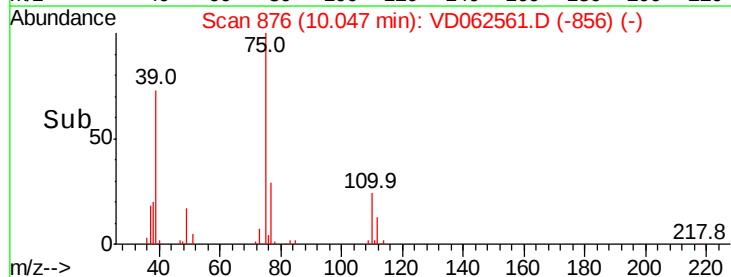
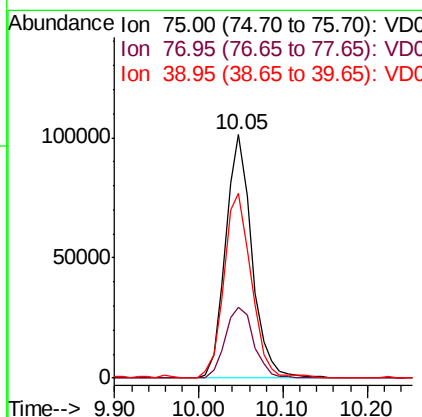
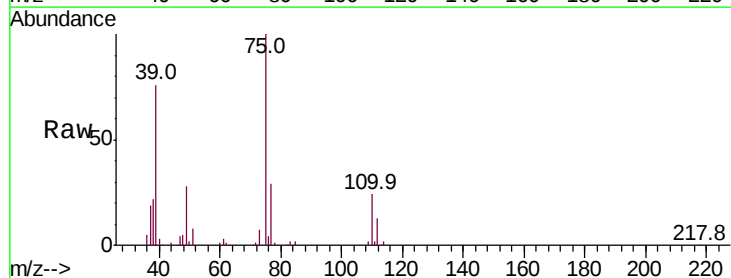
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

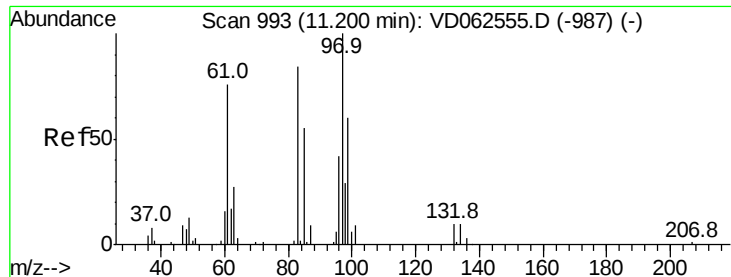
Tot Ion: 75 Resp: 211909
Ion Ratio Lower Upper
75 100
77 28.5 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 21.210 ug/l
RT: 10.05 min Scan# 876
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 75 Resp: 220195
Ion Ratio Lower Upper
75 100
77 28.9 25.7 38.5
39 76.0 61.0 91.6





#55

1,1,2-Trichloroethane

Concen: 21.223 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

Tot Ion: 97 Resp: 99001

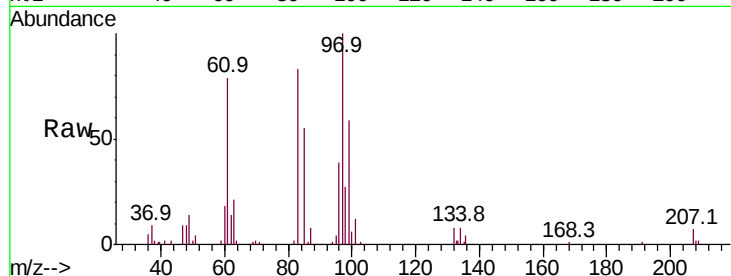
Ion Ratio Lower Upper

97 100

83 82.8 67.3 100.9

85 54.9 43.8 65.8

99 58.5 48.2 72.2

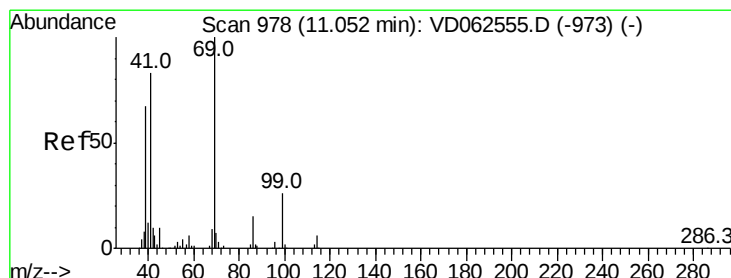
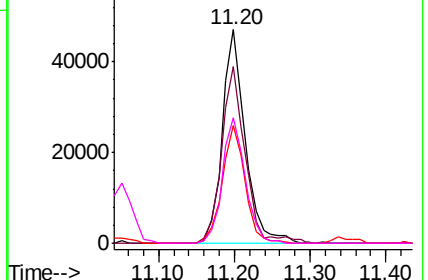
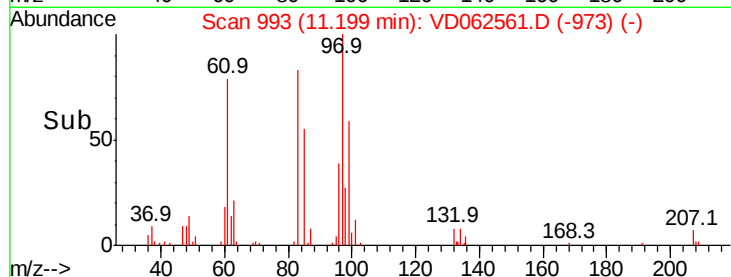


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 22.514 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

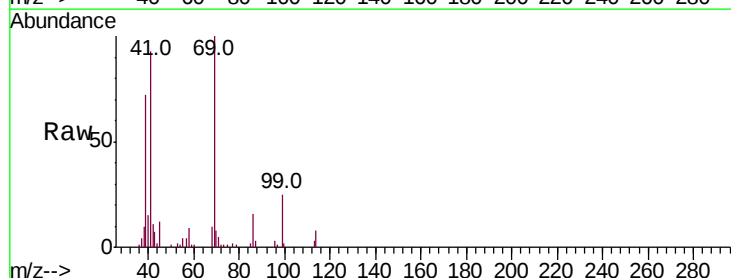
Tgt Ion: 69 Resp: 111939

Ion Ratio Lower Upper

69 100

41 93.1 66.1 99.1

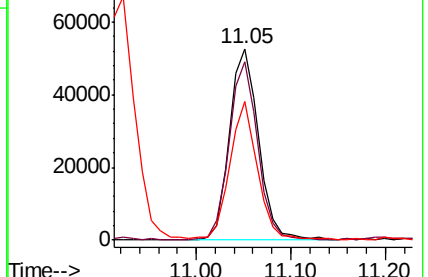
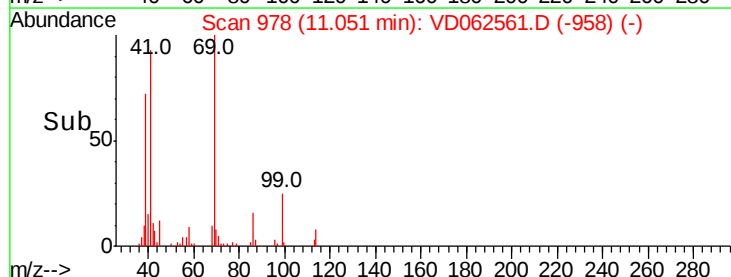
39 72.2 54.2 81.2

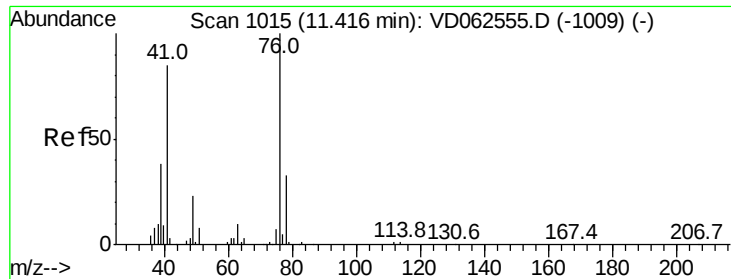


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.325 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

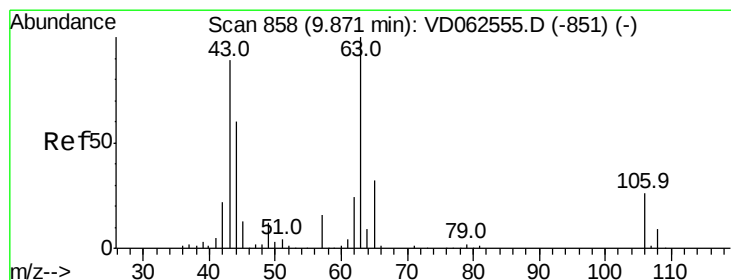
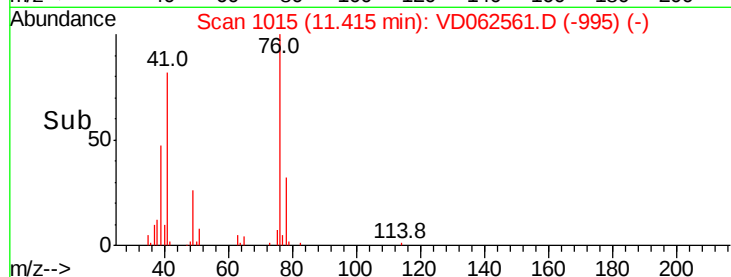
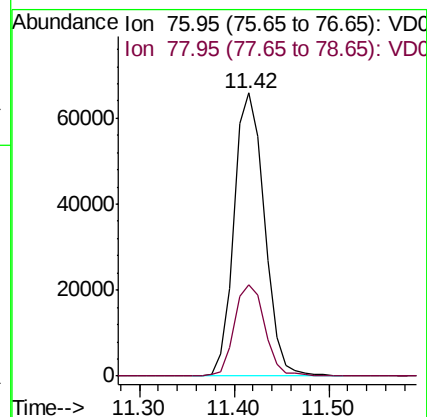
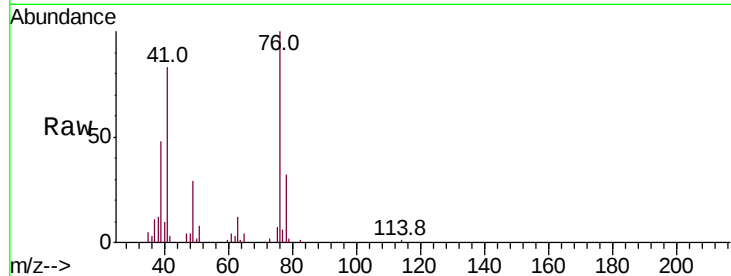
VD0531SBSD01

Tot Ion: 76 Resp: 146162

Ion Ratio Lower Upper

76 100

78 32.1 26.7 40.1



#58

2-Chloroethyl Vinyl ether

Concen: 120.843 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.00 min

Lab File: VD062561.D

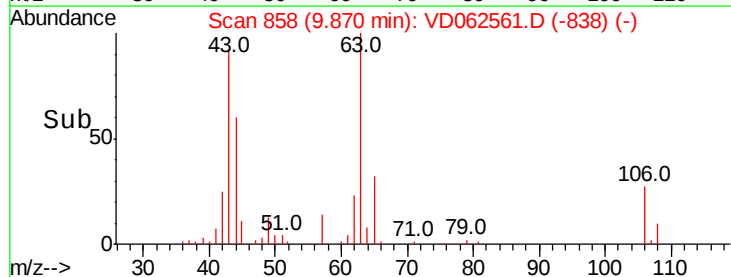
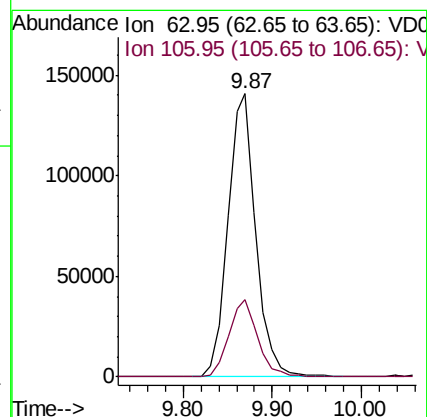
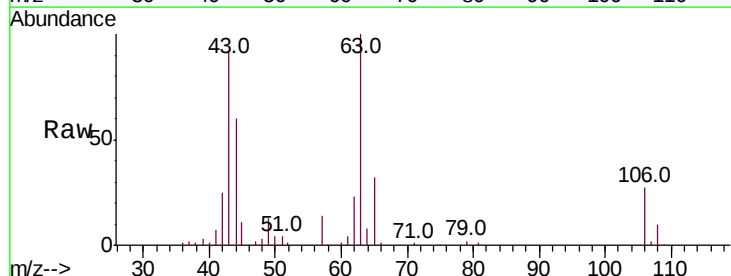
Acq: 31 May 2019 14:04

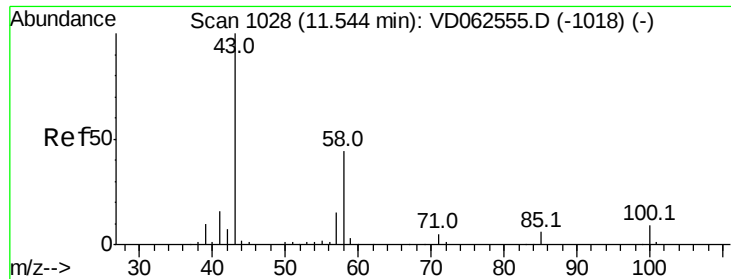
Tgt Ion: 63 Resp: 308141

Ion Ratio Lower Upper

63 100

106 27.4 21.0 31.4

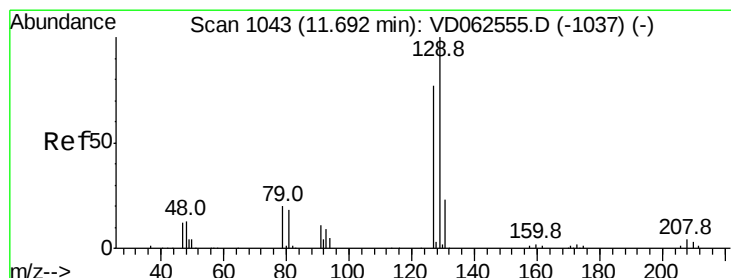
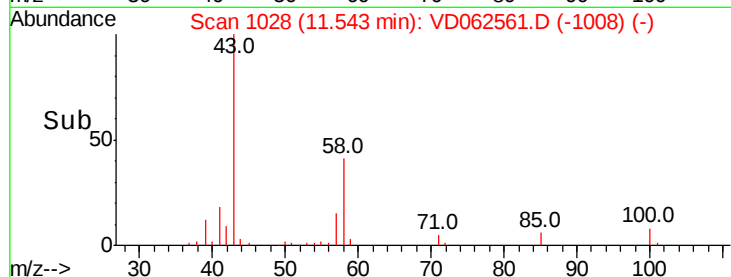
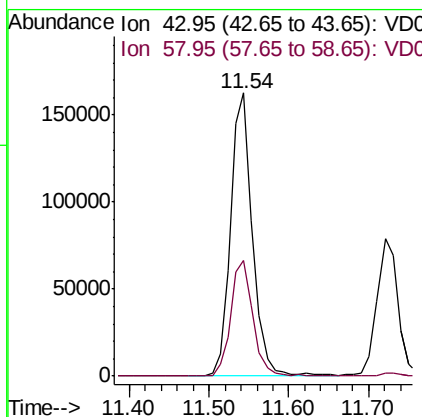
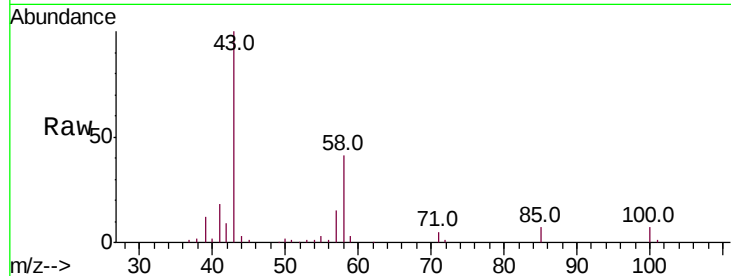




#59
2-Hexanone
Concen: 114.884 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

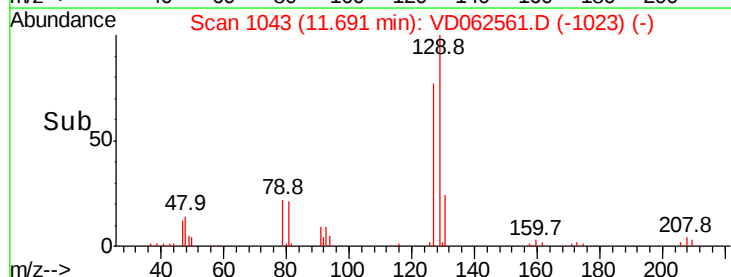
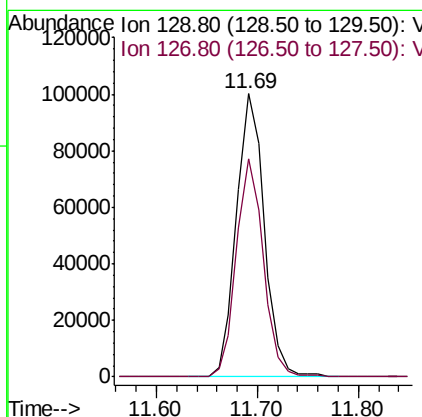
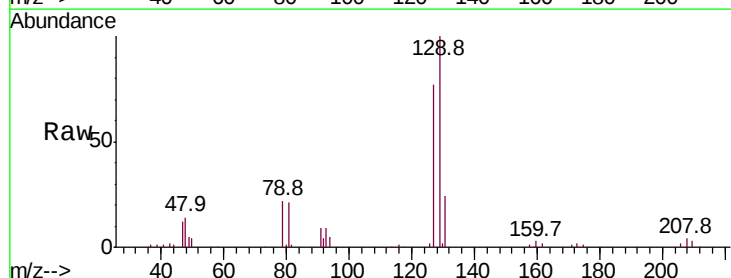
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

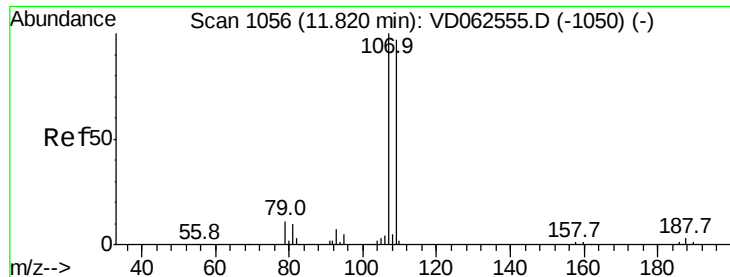
Tot Ion: 43 Resp: 313079
Ion Ratio Lower Upper
43 100
58 40.7 22.0 66.0



#60
Dibromochloromethane
Concen: 21.291 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 129 Resp: 193009
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.661 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

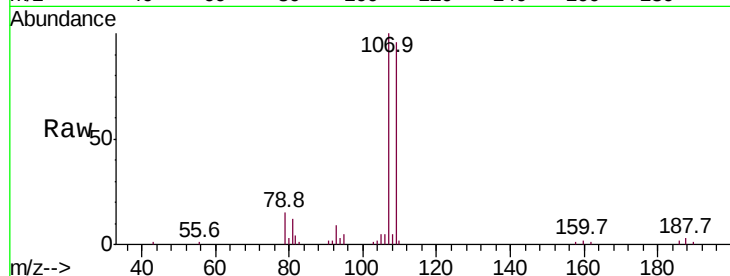
VD0531SBSD01

Tot Ion:107 Resp: 115942

Ion Ratio Lower Upper

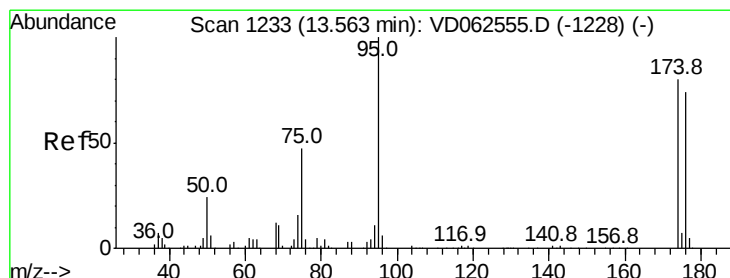
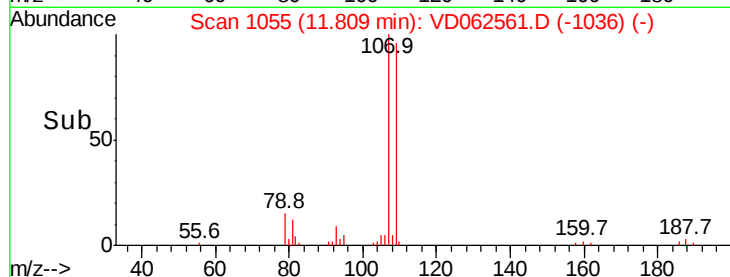
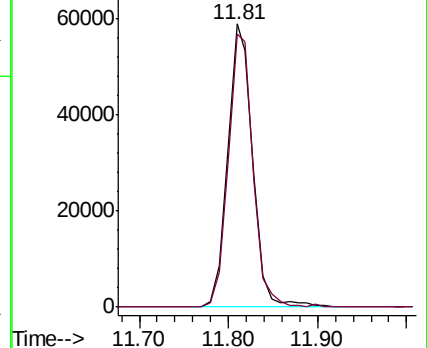
107 100

109 96.4 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.923 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

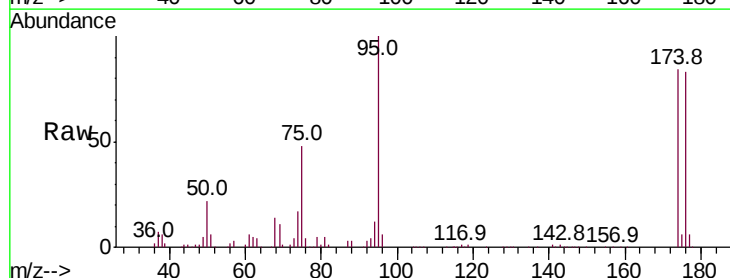
Tgt Ion: 95 Resp: 488847

Ion Ratio Lower Upper

95 100

174 83.5 0.0 160.2

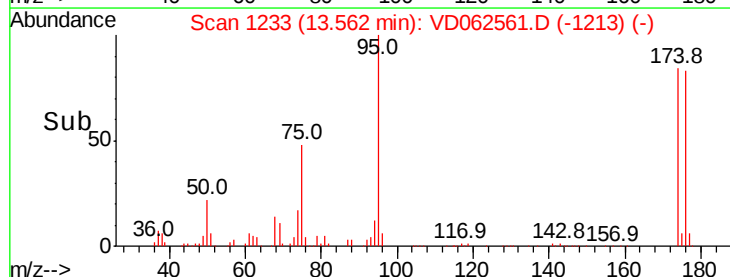
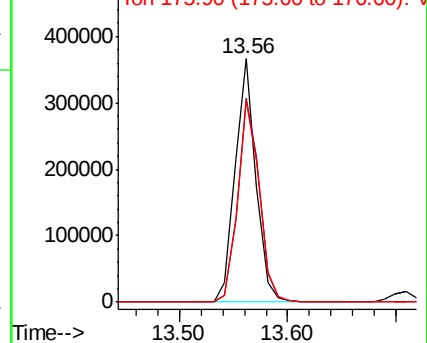
176 82.9 0.0 148.0

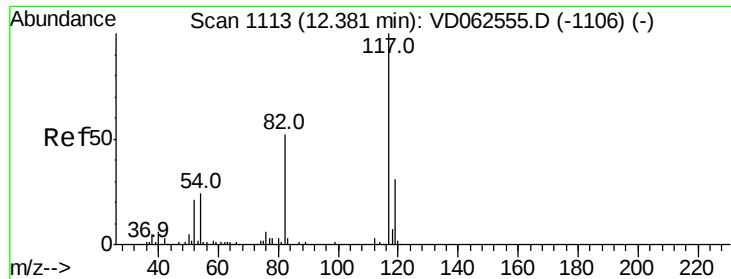


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

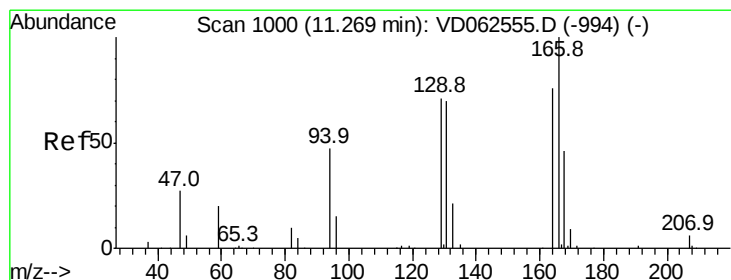
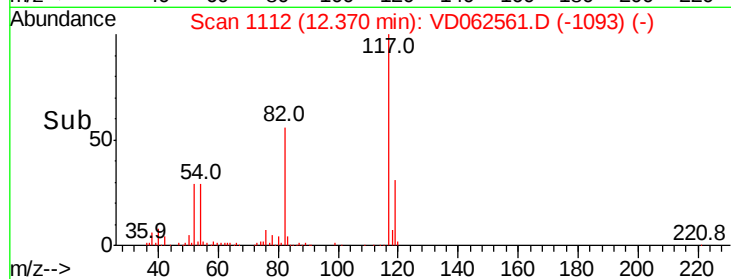
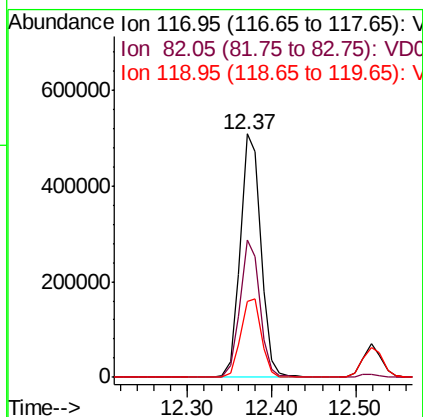
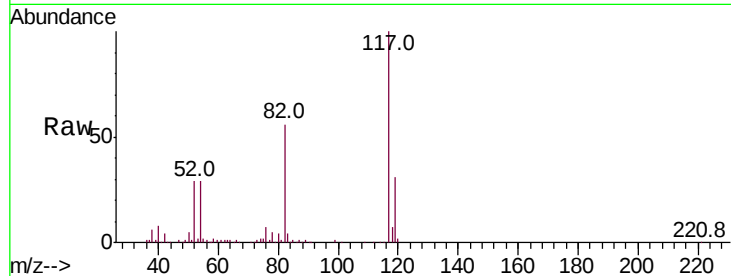




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

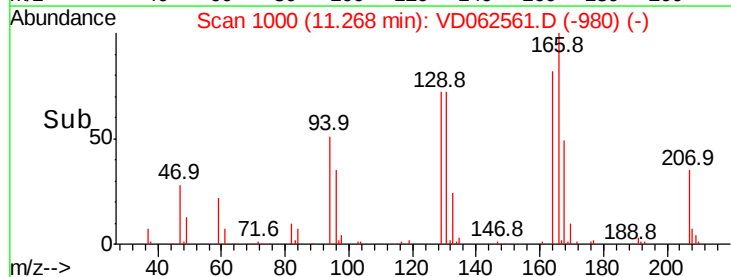
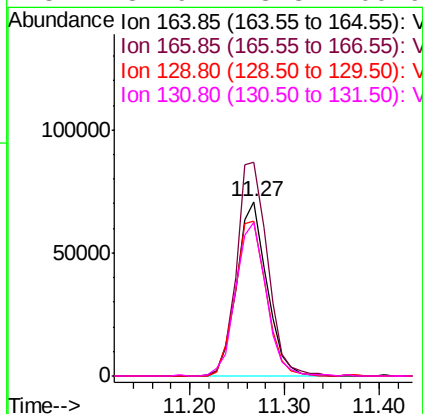
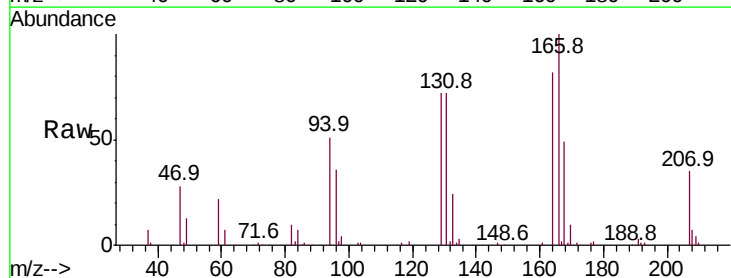
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

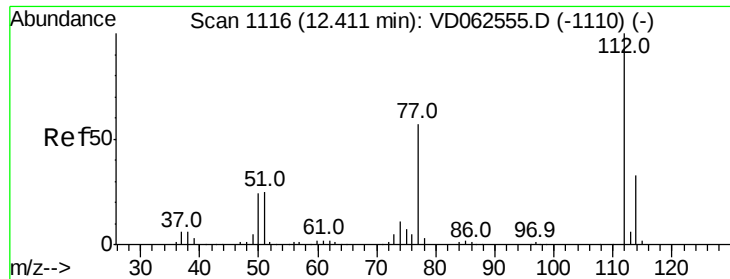
Tot Ion:117 Resp: 870672
Ion Ratio Lower Upper
117 100
82 56.3 41.4 62.2
119 31.2 24.9 37.3



#64
Tetrachloroethene
Concen: 20.301 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion:164 Resp: 156247
Ion Ratio Lower Upper
164 100
166 122.3 105.3 157.9
129 88.6 75.3 112.9
131 87.9 73.3 109.9

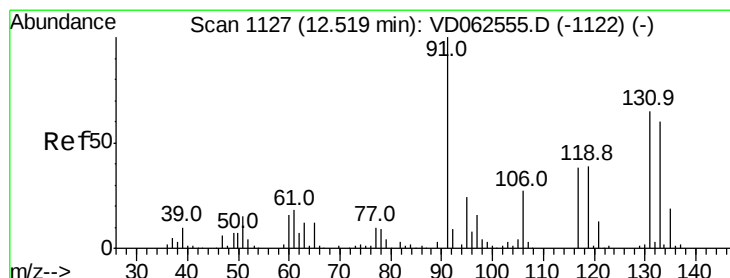
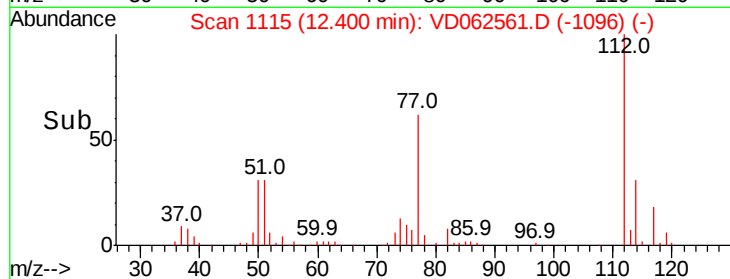
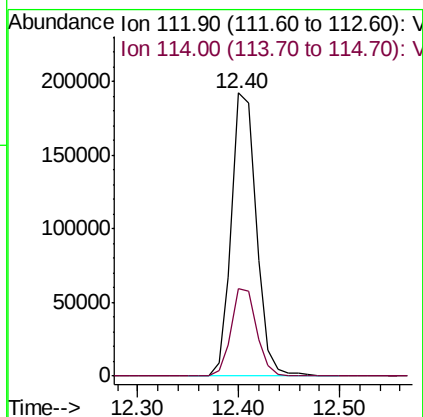
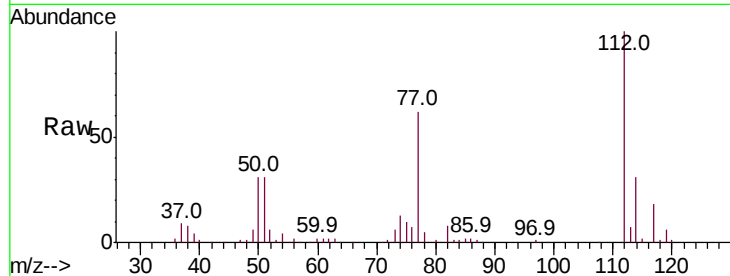




#65
Chlorobenzene
Concen: 19.524 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

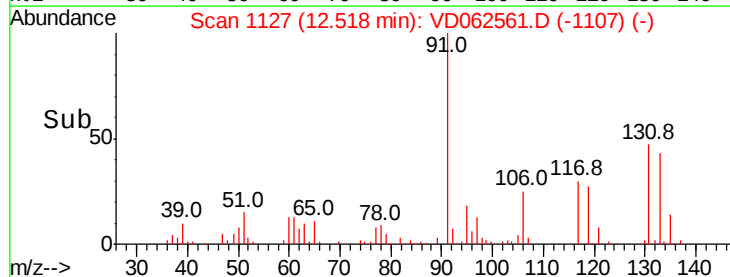
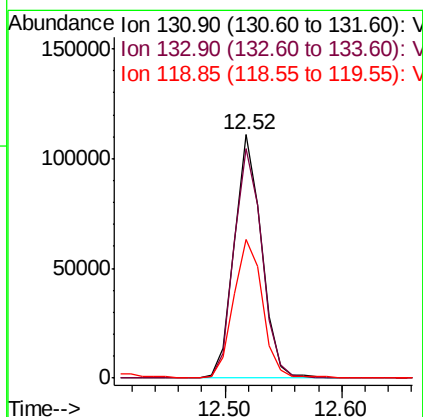
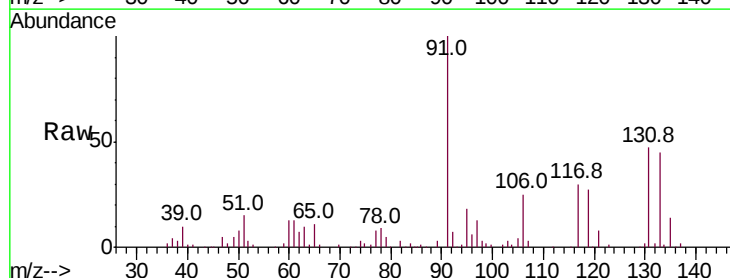
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

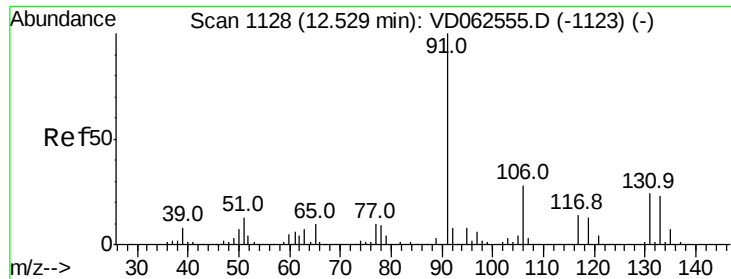
Tot Ion:112 Resp: 331164
Ion Ratio Lower Upper
112 100
114 31.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.440 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion:131 Resp: 180001
Ion Ratio Lower Upper
131 100
133 94.0 46.2 138.6
119 56.8 29.5 88.6

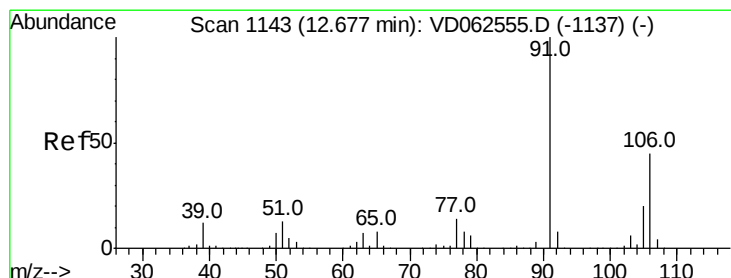
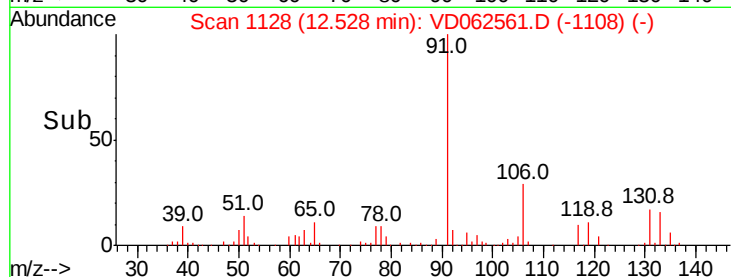
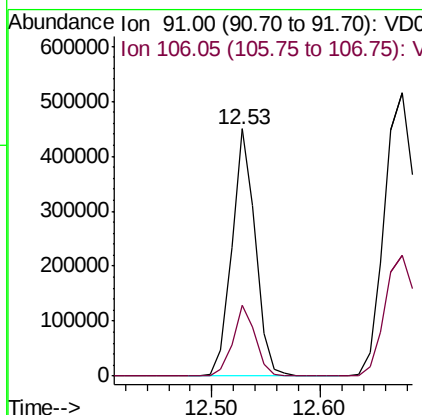
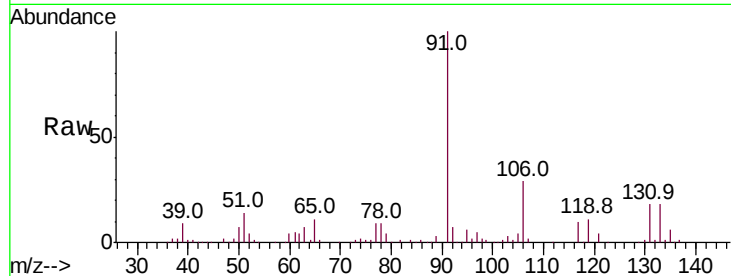




#67
Ethyl Benzene
Concen: 21.778 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

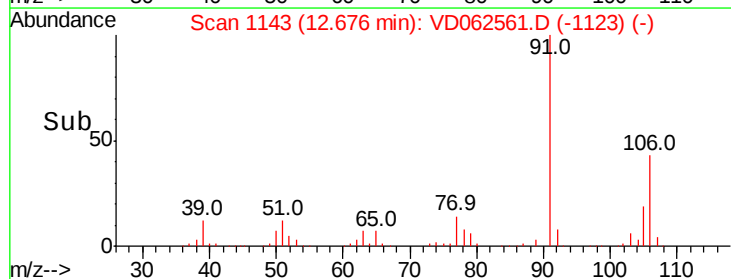
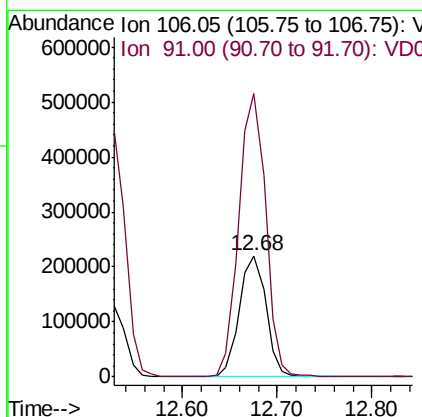
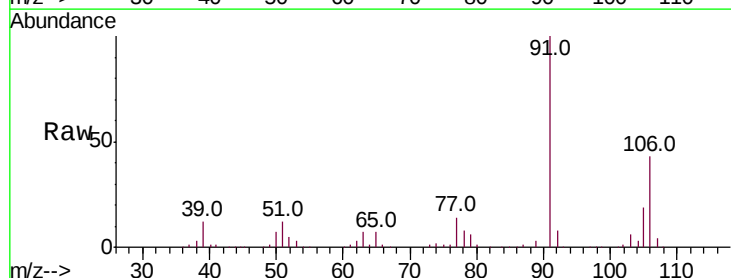
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

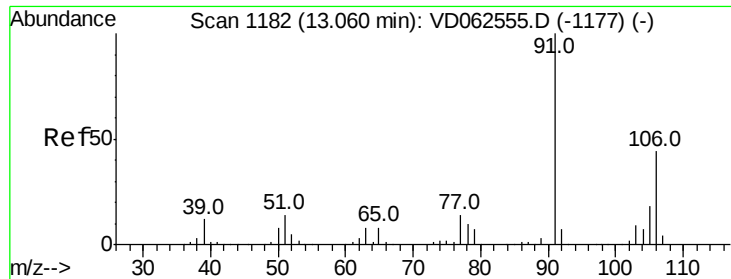
Tot Ion: 91 Resp: 676799
Ion Ratio Lower Upper
91 100
106 28.6 22.2 33.2



#68
m/p-Xylenes
Concen: 40.030 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 106 Resp: 430338
Ion Ratio Lower Upper
106 100
91 233.9 178.9 268.3

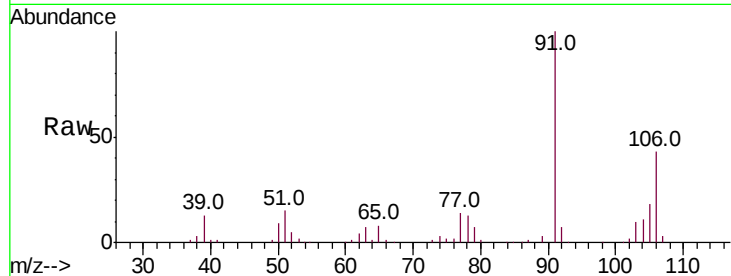




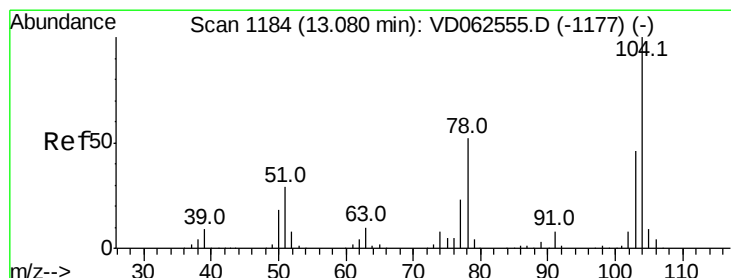
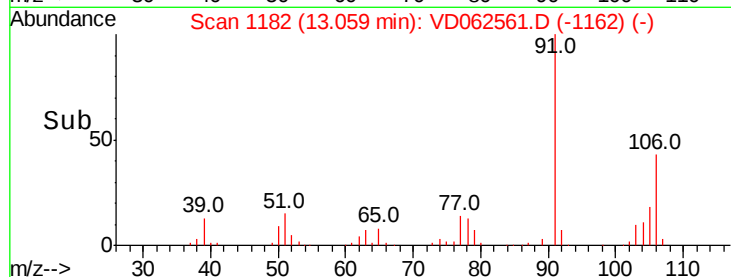
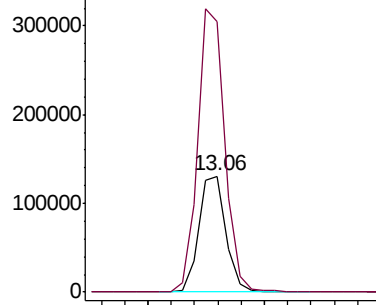
#69
o-Xylene
Concen: 20.407 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

Tot Ion:106 Resp: 209272
Ion Ratio Lower Upper
106 100
91 233.0 113.9 341.8

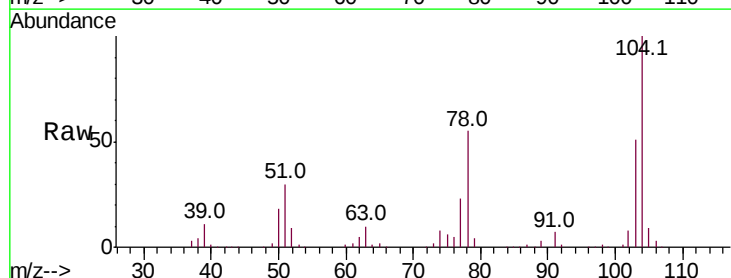


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

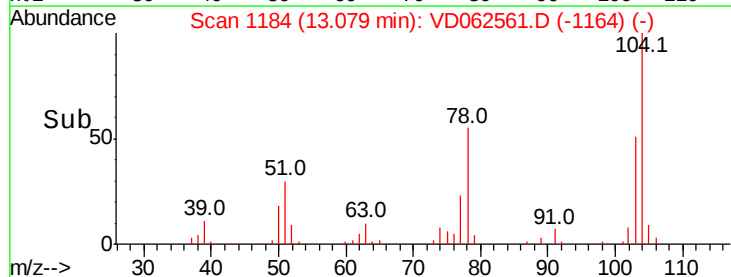
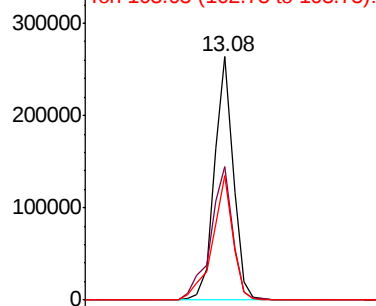


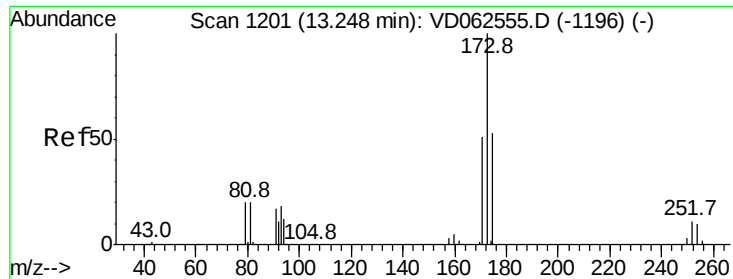
#70
Styrene
Concen: 20.836 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion:104 Resp: 362810
Ion Ratio Lower Upper
104 100
78 54.9 41.5 62.3
103 51.1 36.6 55.0



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





#71

Bromoform

Concen: 19.915 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBSD01

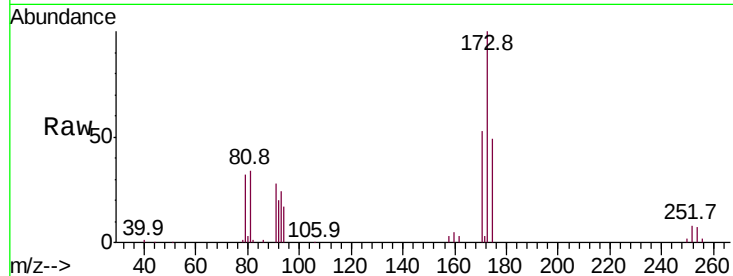
Tot Ion:173 Resp: 112141

Ion Ratio Lower Upper

173 100

175 49.3 26.6 79.7

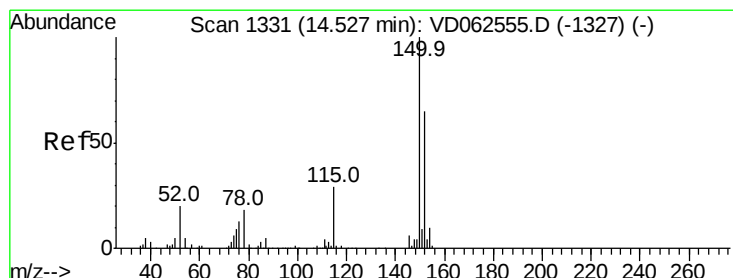
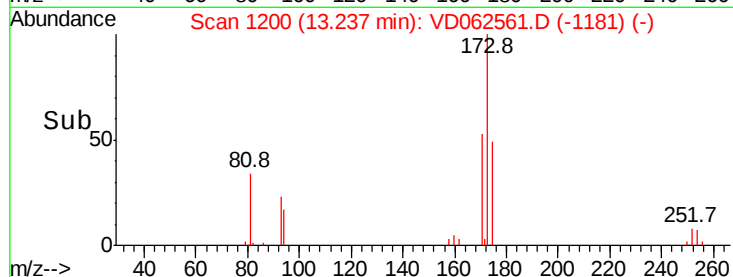
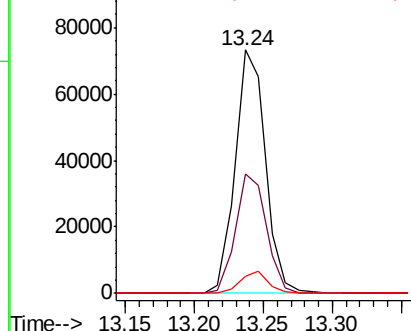
254 6.9 8.1 12.1#



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: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

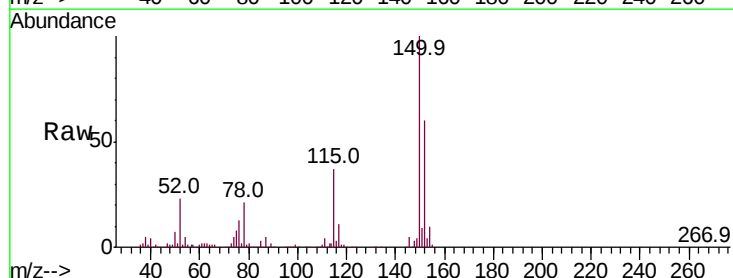
Tgt Ion:152 Resp: 496842

Ion Ratio Lower Upper

152 100

115 61.2 28.4 85.3

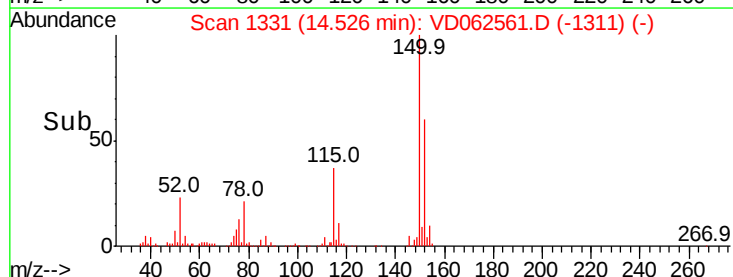
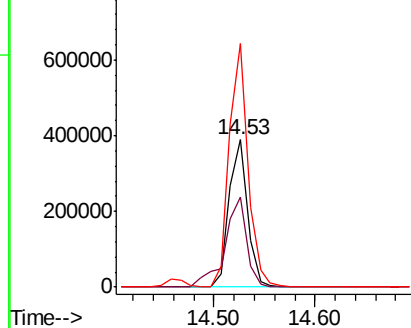
150 165.6 0.0 310.4

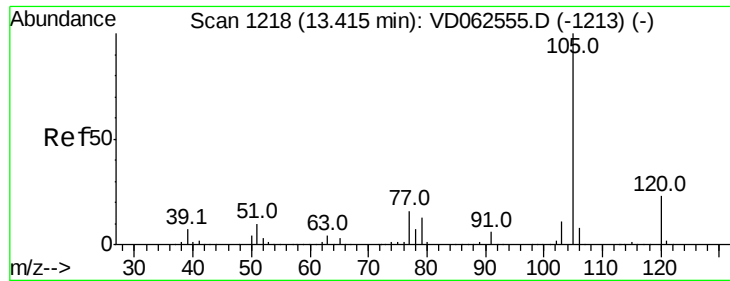


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

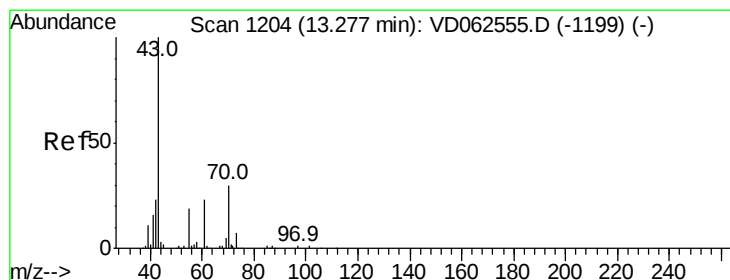
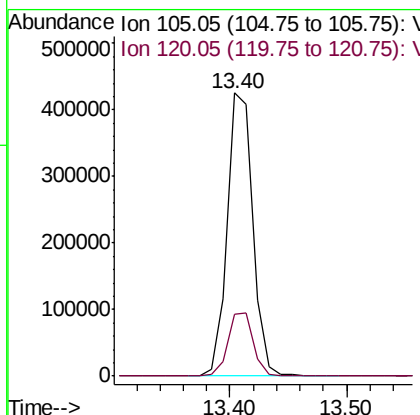
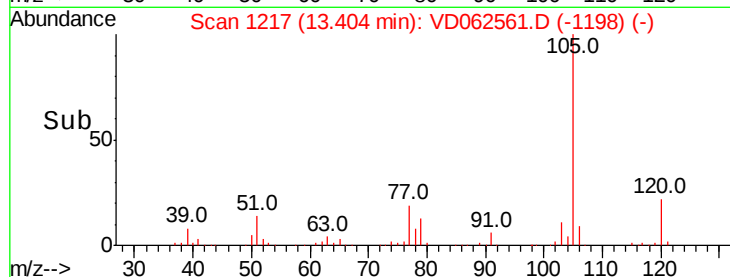
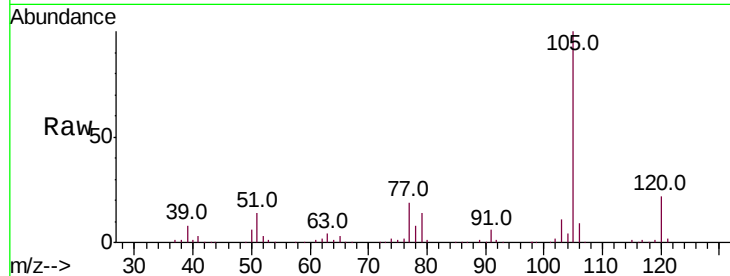




#73
Isopropylbenzene
Concen: 19.748 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

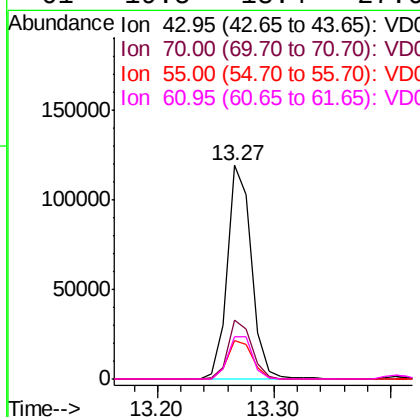
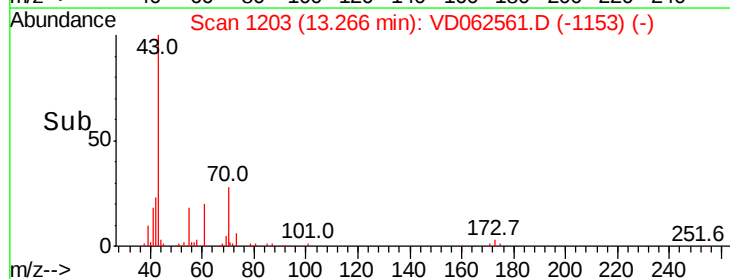
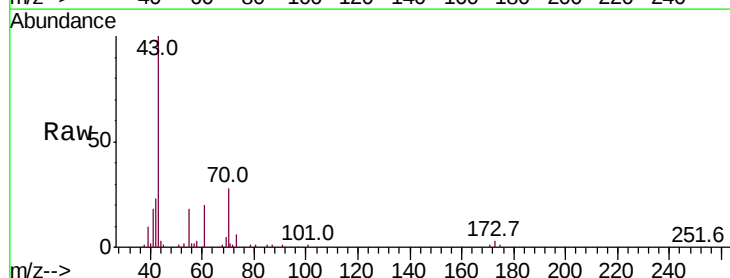
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

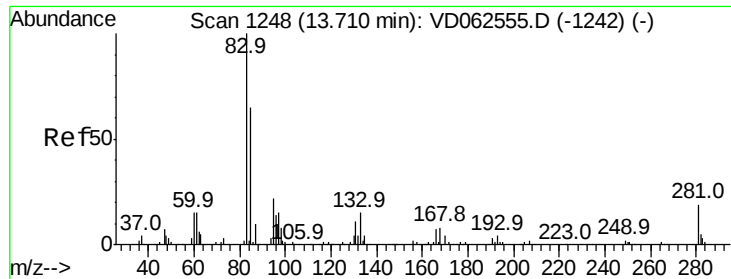
Tot Ion:105 Resp: 646830
Ion Ratio Lower Upper
105 100
120 21.8 11.6 34.8



#74
N-ethyl acetate
Concen: 20.308 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion: 43 Resp: 169608
Ion Ratio Lower Upper
43 100
70 27.7 23.7 35.5
55 17.7 15.0 22.4
61 19.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.174 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

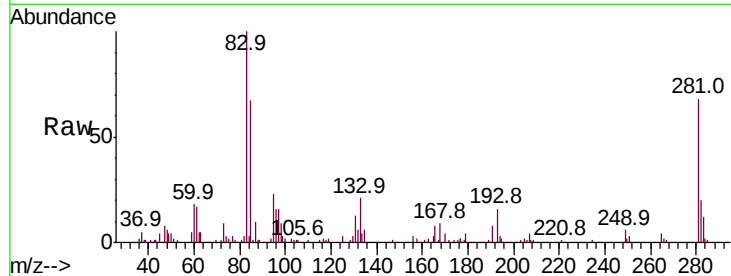
Tot Ion: 83 Resp: 104797

Ion	Ratio	Lower	Upper
83	100		
131	12.6	5.7	17.1
85	67.3	32.6	97.8

83 100

131 12.6 5.7 17.1

85 67.3 32.6 97.8

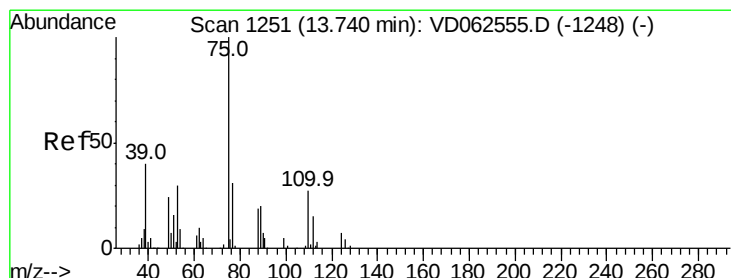
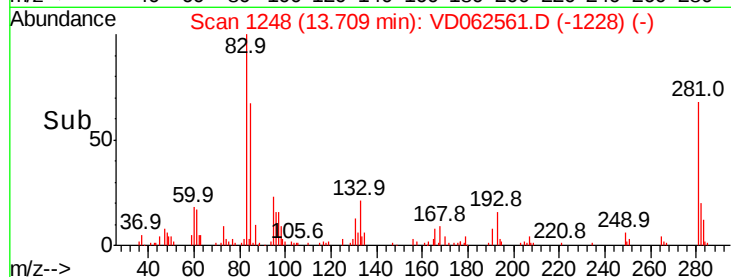


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

Time--> 13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 21.123 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062561.D

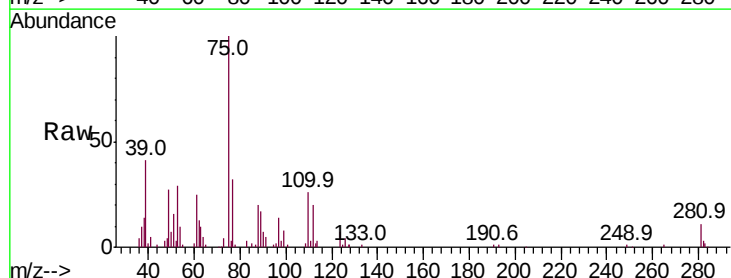
Acq: 31 May 2019 14:04

Tgt Ion: 75 Resp: 125907

Ion	Ratio	Lower	Upper
75	100		
77	31.7	16.5	49.5

75 100

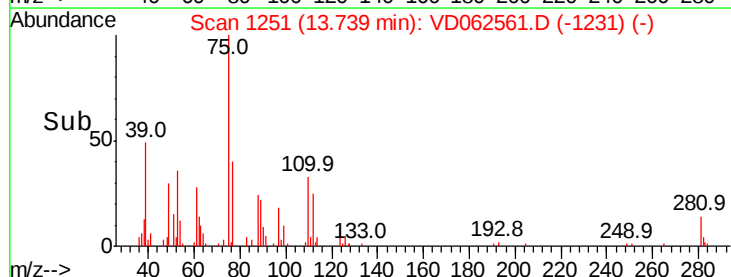
77 31.7 16.5 49.5

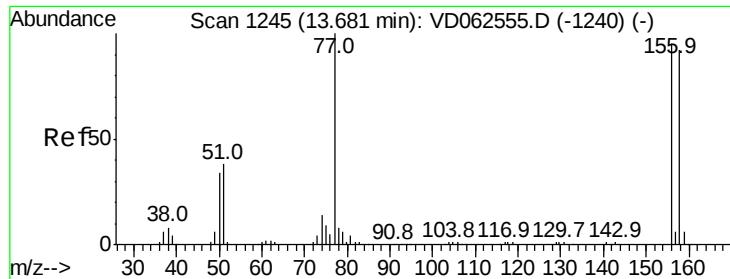


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Time--> 13.65 13.70 13.75 13.80





#77

Bromobenzene

Concen: 20.733 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

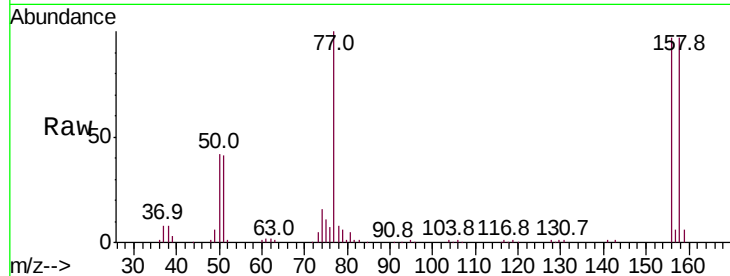
Tot Ion:156 Resp: 186201

Ion Ratio Lower Upper

156 100

77 103.3 52.9 158.7

158 99.9 48.5 145.5



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

250000

200000

150000

100000

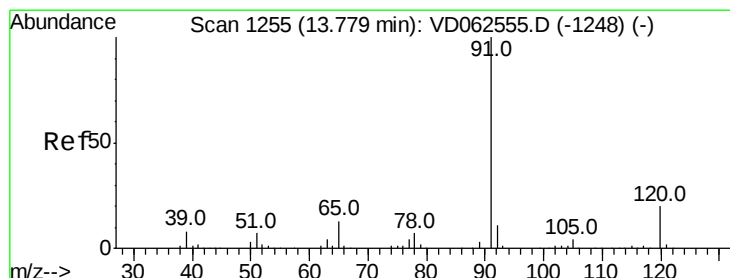
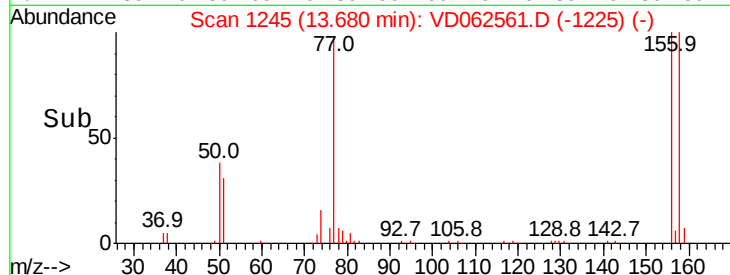
50000

0

13.60

13.70

Time-->



#78

n-propylbenzene

Concen: 20.182 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062561.D

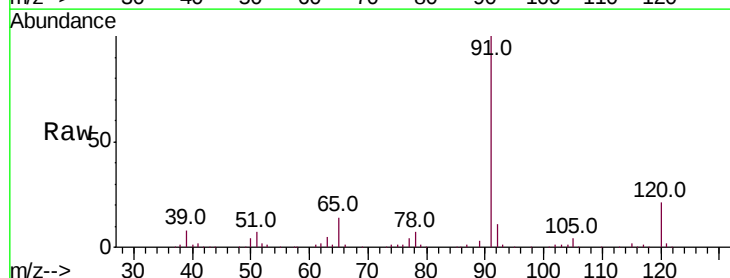
Acq: 31 May 2019 14:04

Tgt Ion: 91 Resp: 761971

Ion Ratio Lower Upper

91 100

120 21.3 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

600000

400000

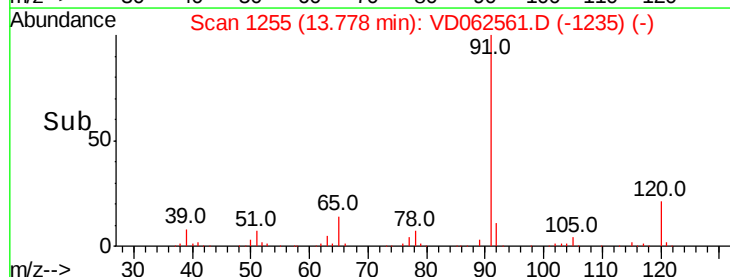
200000

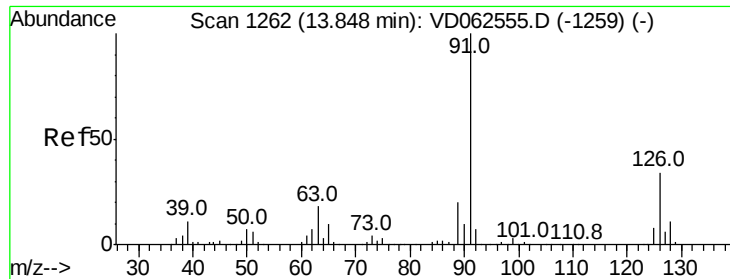
0

13.70

13.80

Time-->





#79

2-Chlorotoluene

Concen: 19.376 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

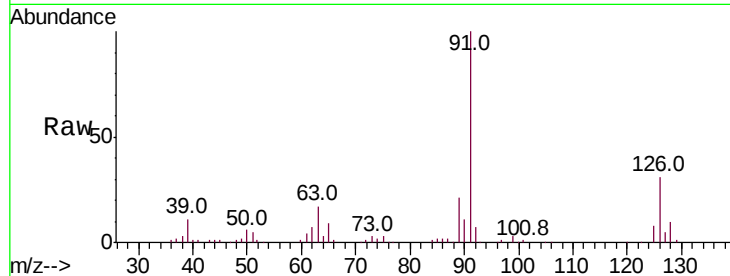
VD0531SBSD01

Tot Ion: 91 Resp: 424180

Ion Ratio Lower Upper

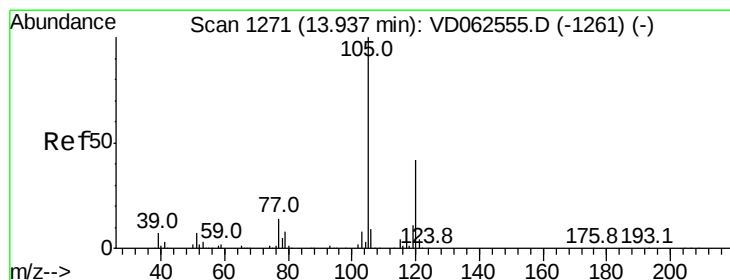
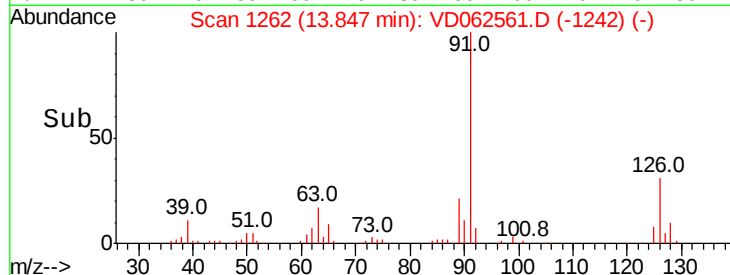
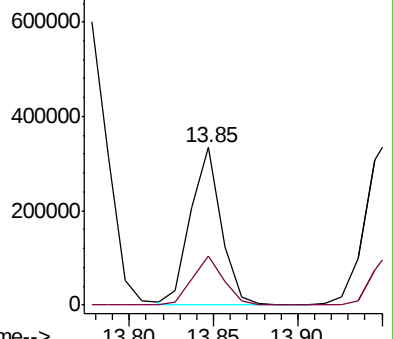
91 100

126 31.4 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 20.216 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062561.D

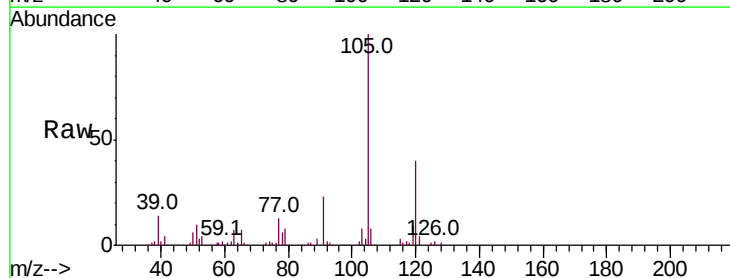
Acq: 31 May 2019 14:04

Tgt Ion:105 Resp: 565831

Ion Ratio Lower Upper

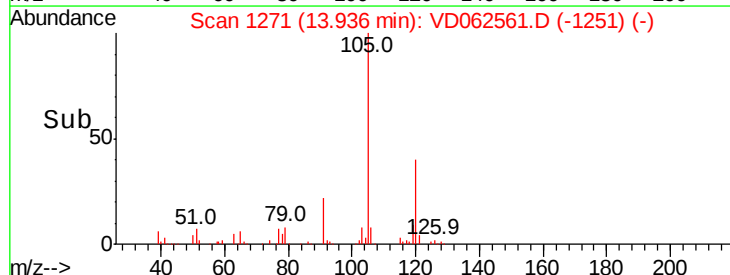
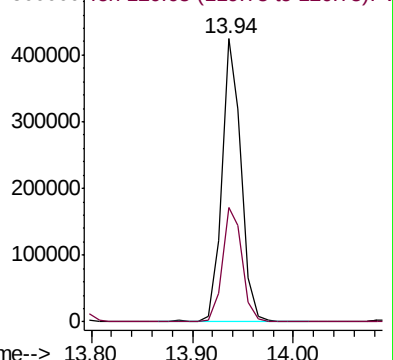
105 100

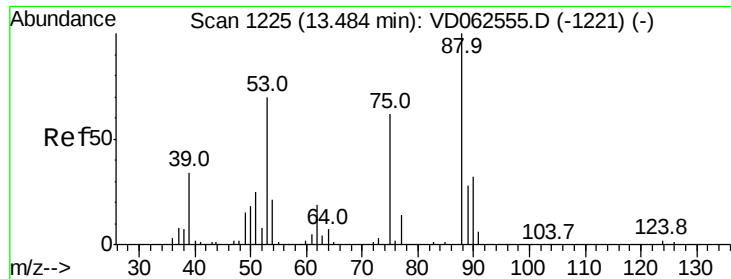
120 40.2 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.346 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBSD01

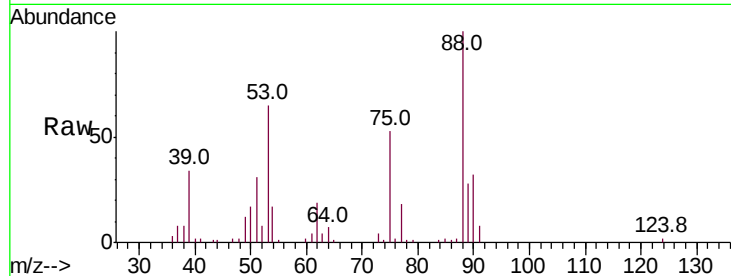
Tot Ion: 75 Resp: 33043

Ion Ratio Lower Upper

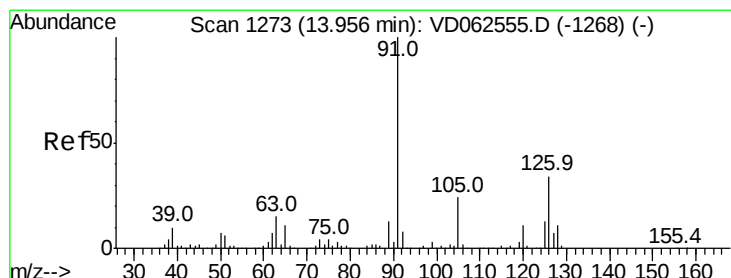
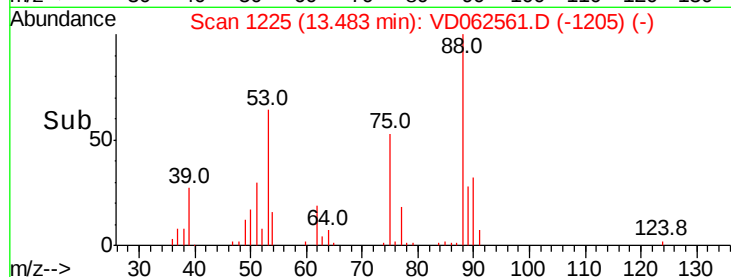
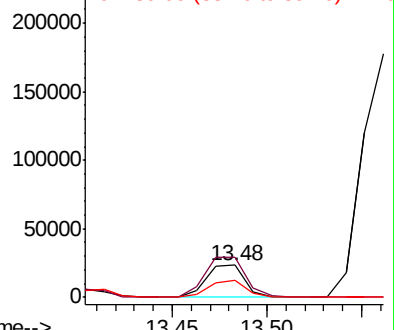
75 100

53 122.7 91.0 136.4

89 52.3 36.9 55.3



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: 20.883 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD062561.D

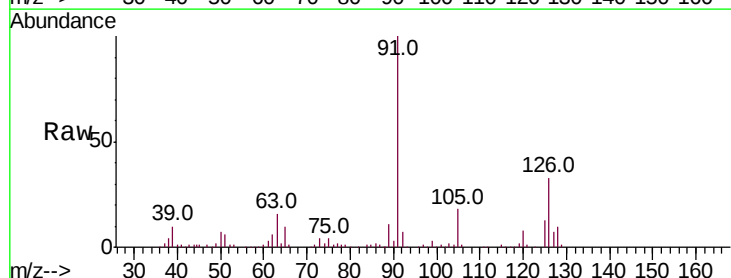
Acq: 31 May 2019 14:04

Tgt Ion: 91 Resp: 547312

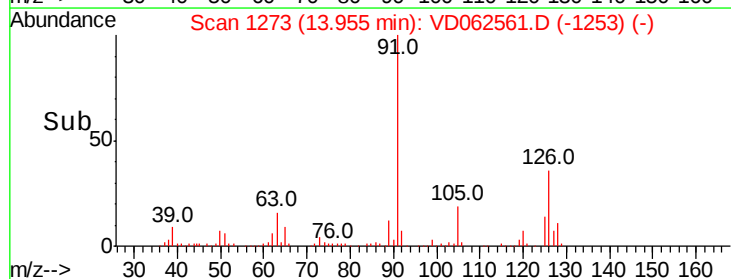
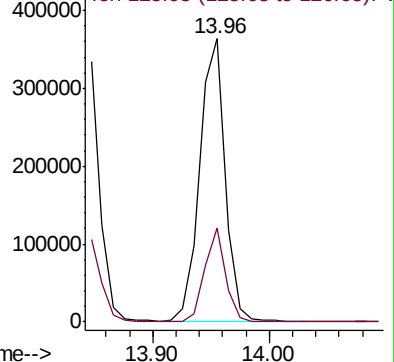
Ion Ratio Lower Upper

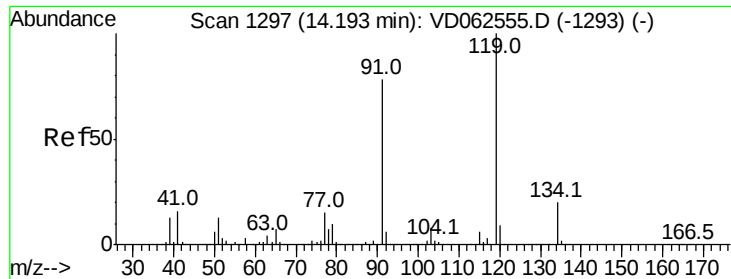
91 100

126 33.3 16.9 50.7



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





#83

tert-Butylbenzene

Concen: 19.665 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

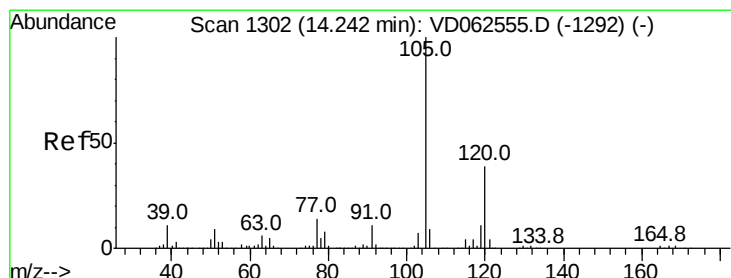
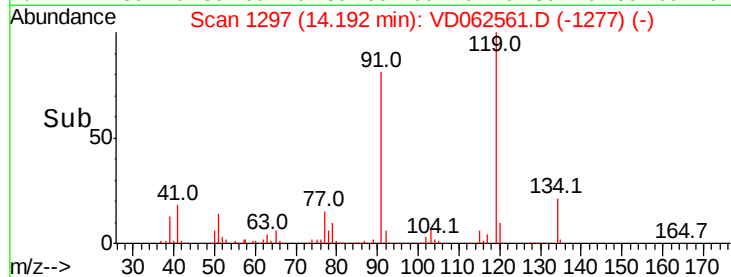
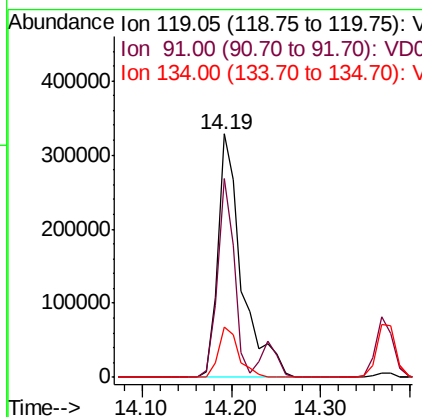
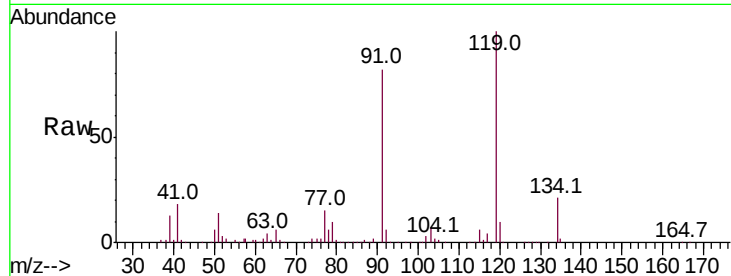
Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

Tot Ion:119 Resp: 614161

Ion	Ratio	Lower	Upper
119	100		
91	81.7	39.1	117.5
134	20.7	10.1	30.3



#84

1,2,4-Trimethylbenzene

Concen: 19.130 ug/l

RT: 14.24 min Scan# 1302

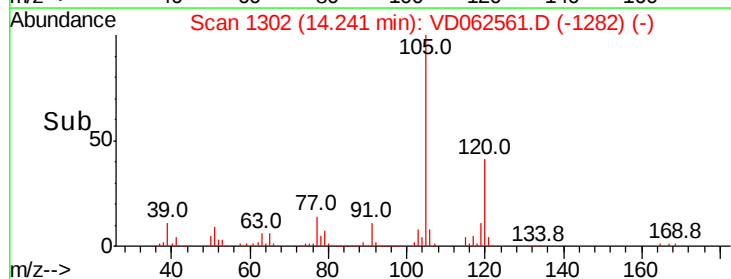
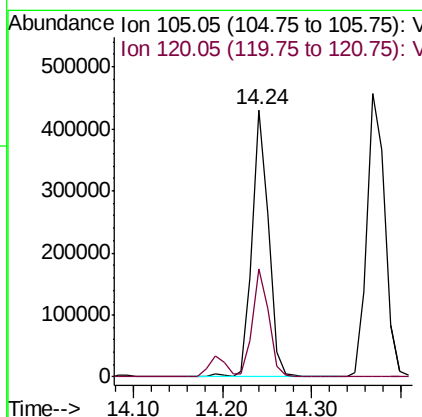
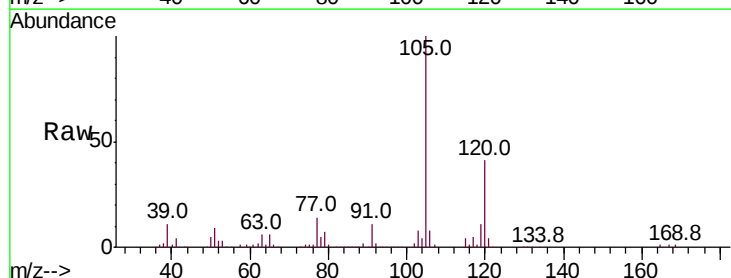
Delta R.T. -0.00 min

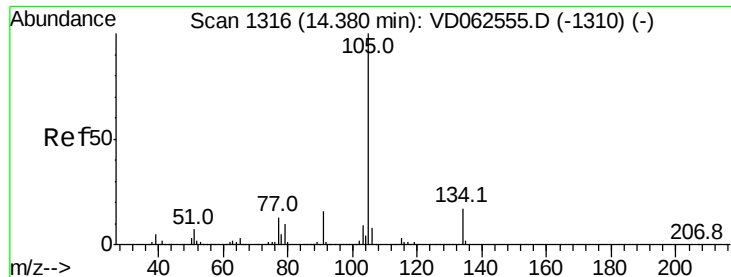
Lab File: VD062561.D

Acq: 31 May 2019 14:04

Tgt Ion:105 Resp: 545593

Ion	Ratio	Lower	Upper
105	100		
120	40.6	19.6	58.8

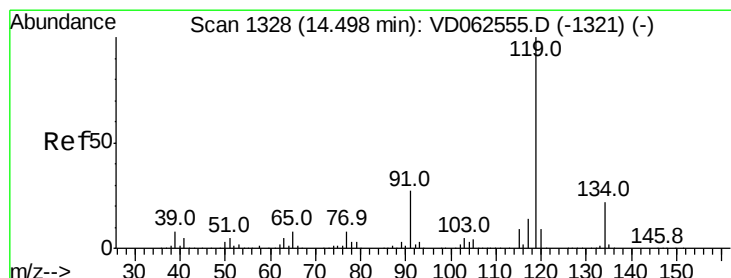
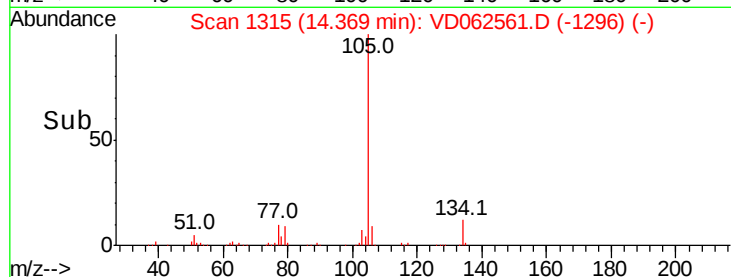
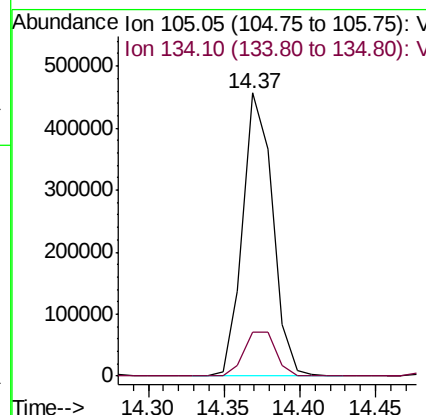
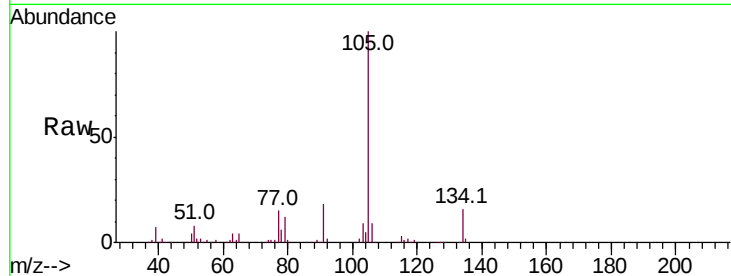




#85
 sec-Butylbenzene
 Concen: 19.007 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

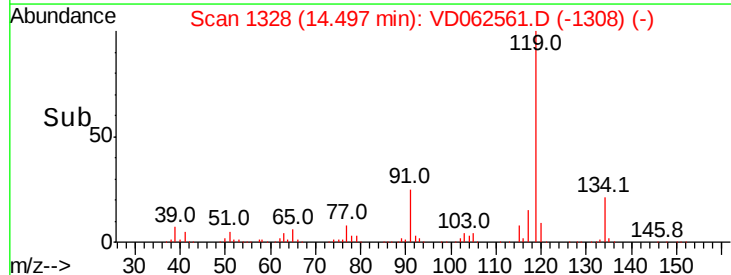
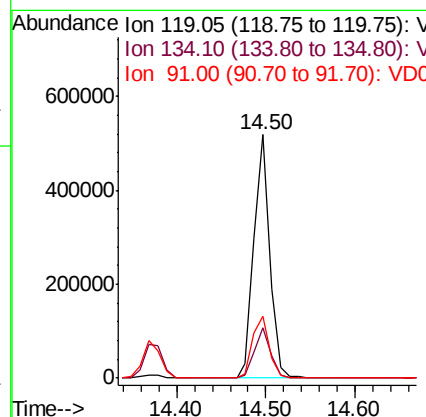
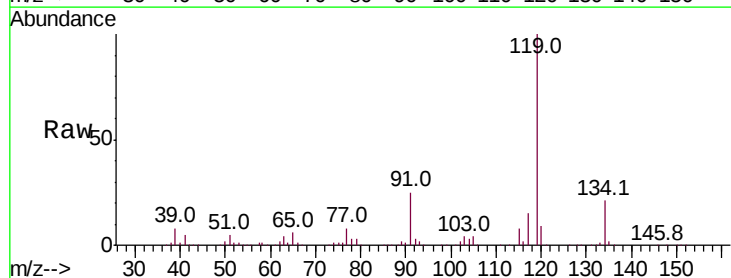
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBSD01

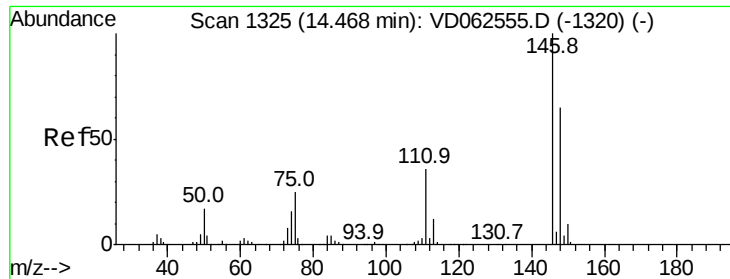
Tot Ion:105 Resp: 628843
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 20.463 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Tgt Ion:119 Resp: 632497
 Ion Ratio Lower Upper
 119 100
 134 20.6 11.2 33.6
 91 25.4 13.6 40.7

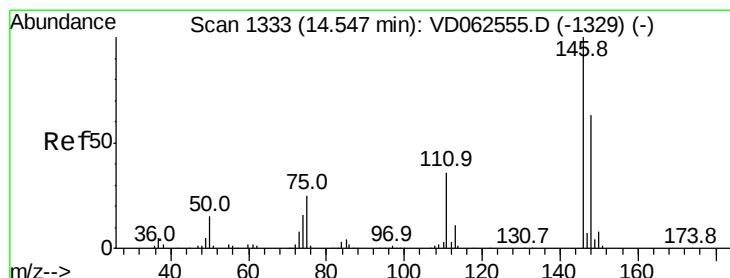
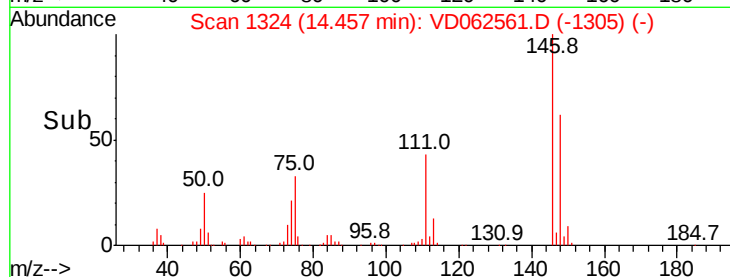
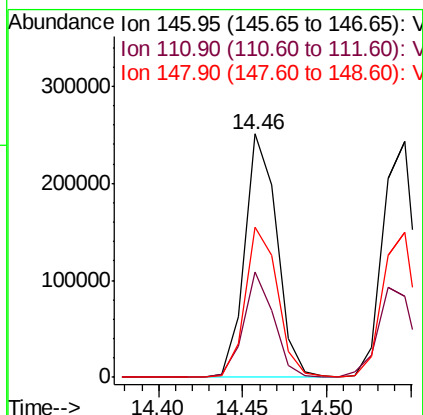
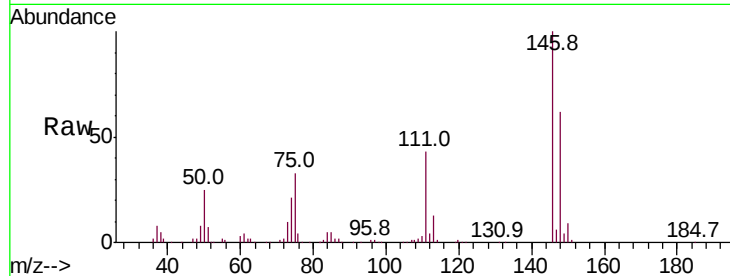




#87
 1,3-Dichlorobenzene
 Concen: 21.314 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

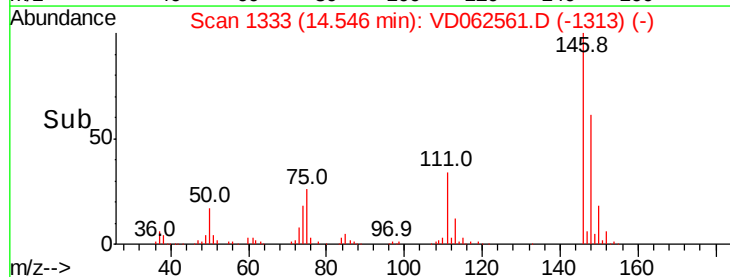
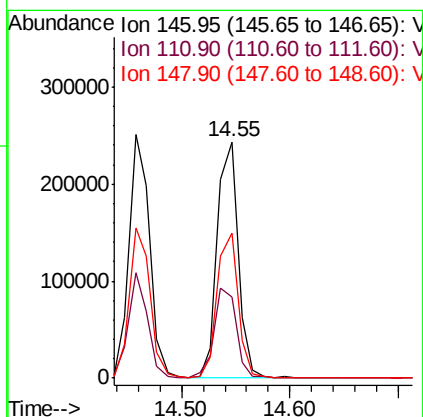
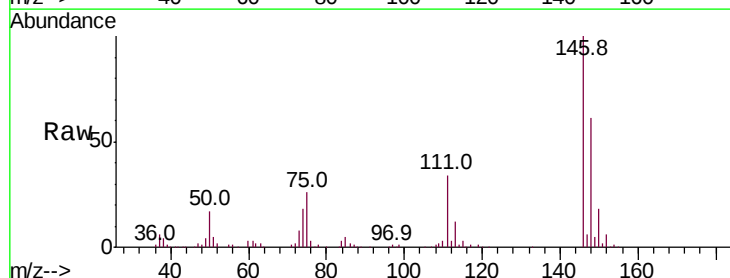
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBSD01

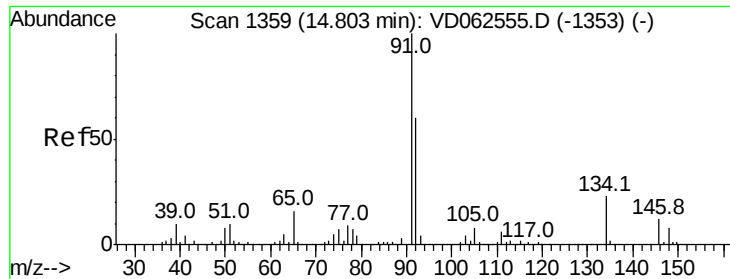
Tot Ion:146 Resp: 331811
 Ion Ratio Lower Upper
 146 100
 111 43.2 18.1 54.4
 148 61.6 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 21.104 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Tgt Ion:146 Resp: 329237
 Ion Ratio Lower Upper
 146 100
 111 34.4 18.2 54.6
 148 61.1 31.6 94.8





#89

n-Butylbenzene

Concen: 21.292 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

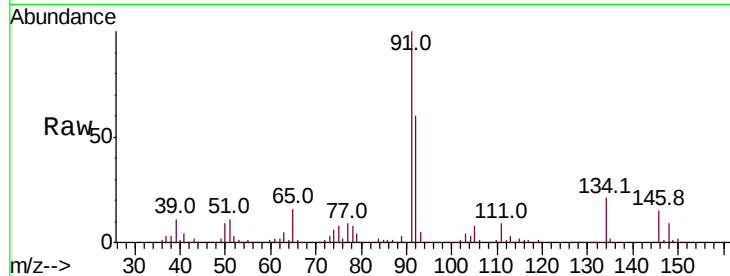
Tot Ion: 91 Resp: 587489

Ion	Ratio	Lower	Upper
91	100		
92	60.0	29.8	89.4
134	21.4	11.3	33.8

91 100

92 60.0 29.8 89.4

134 21.4 11.3 33.8

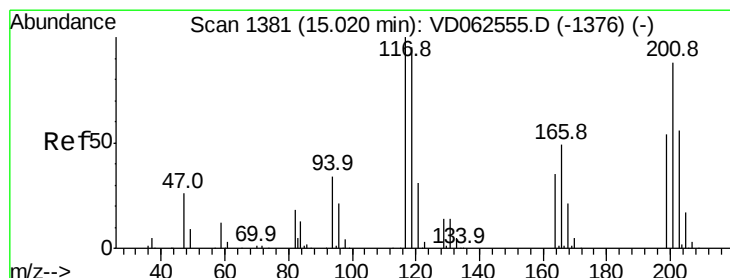
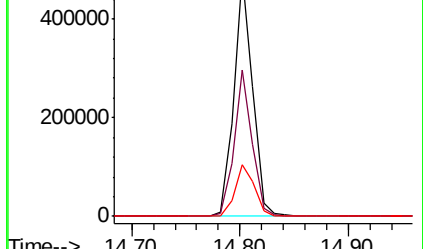
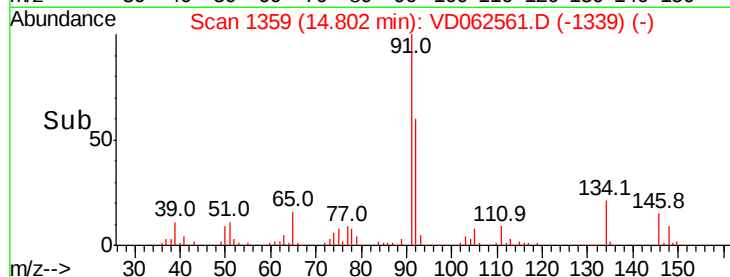


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time-->



#90

Hexachloroethane

Concen: 19.796 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062561.D

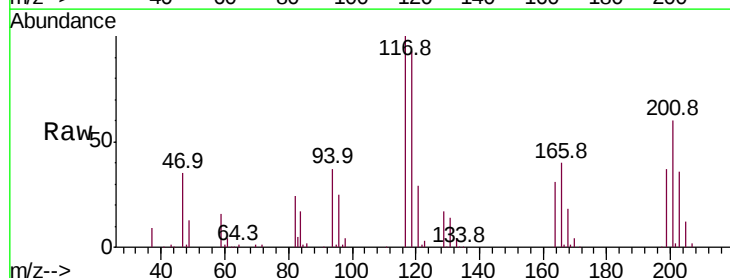
Acq: 31 May 2019 14:04

Tgt Ion: 117 Resp: 162336

Ion	Ratio	Lower	Upper
117	100		
201	60.0	43.8	131.4

117 100

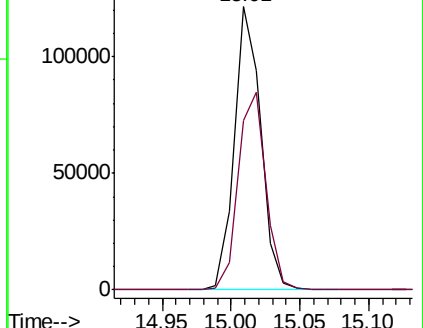
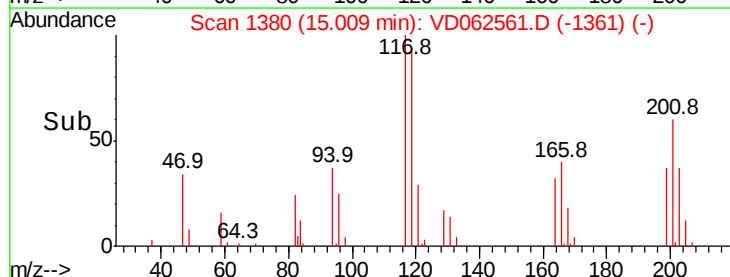
201 60.0 43.8 131.4

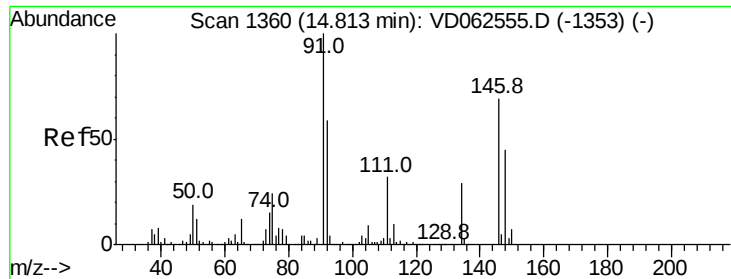


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.977 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBSD01

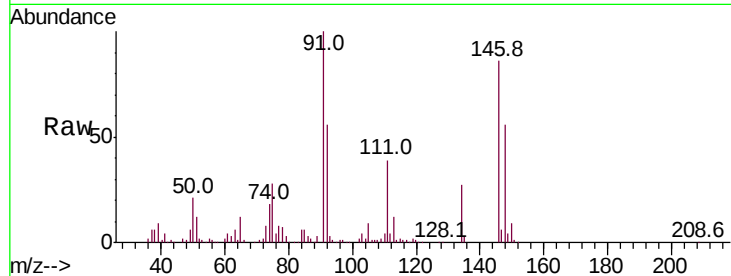
Tot Ion:146 Resp: 274719

Ion Ratio Lower Upper

146 100

111 45.3 22.8 68.4

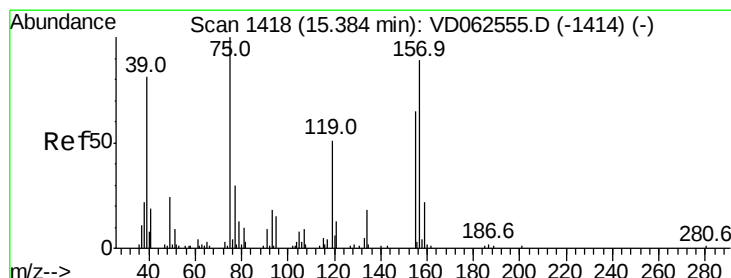
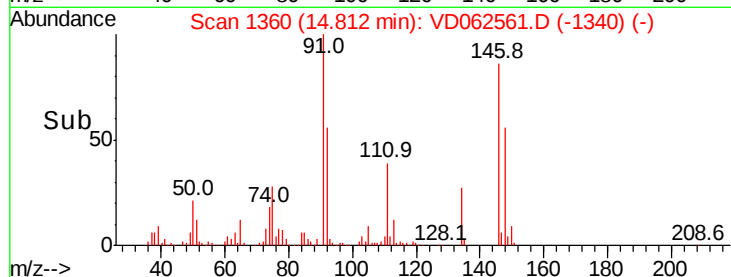
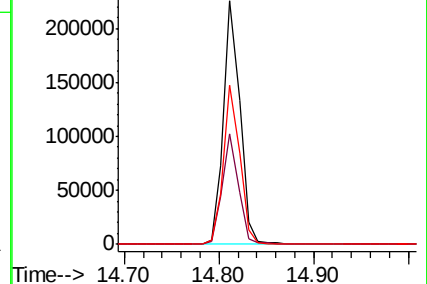
148 65.3 32.3 96.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.123 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

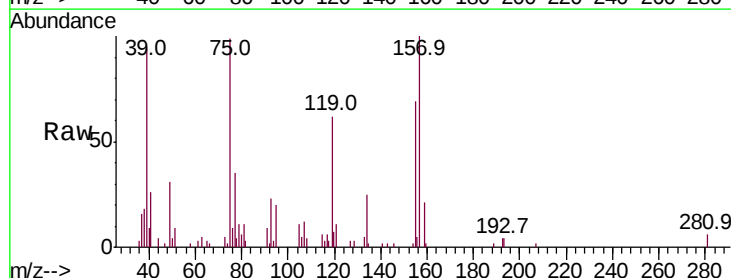
Tgt Ion: 75 Resp: 23830

Ion Ratio Lower Upper

75 100

155 69.6 32.6 97.8

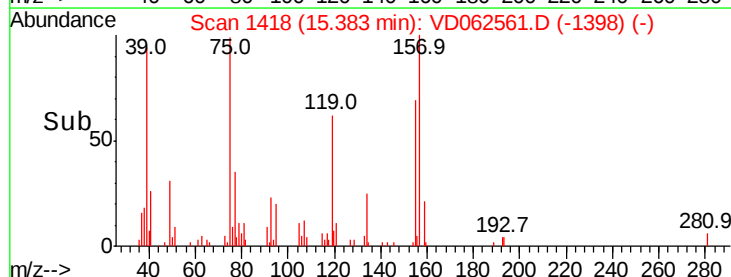
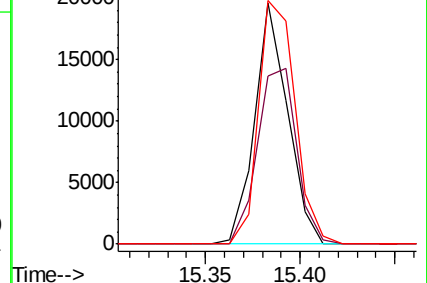
157 100.9 44.5 133.7

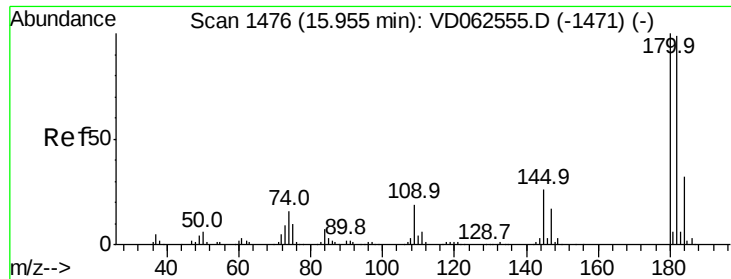


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

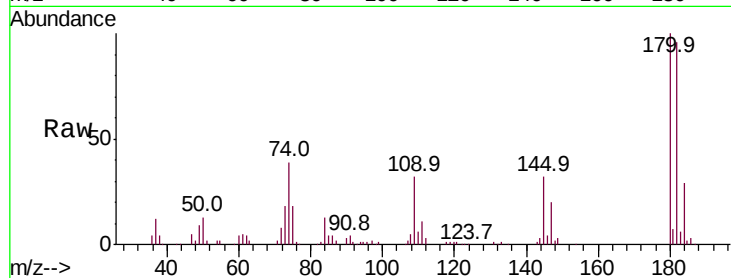




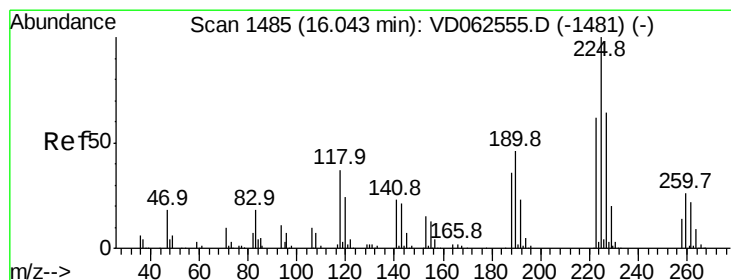
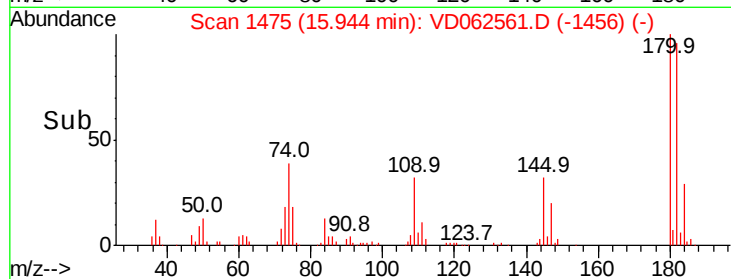
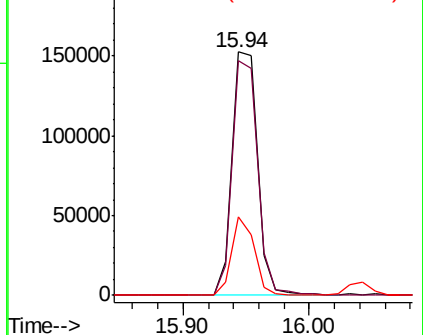
#93
 1,2,4-Trichlorobenzene
 Concen: 20.211 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

Tot Ion:180 Resp: 211641
 Ion Ratio Lower Upper
 180 100
 182 96.5 49.5 148.3
 145 32.3 13.1 39.3

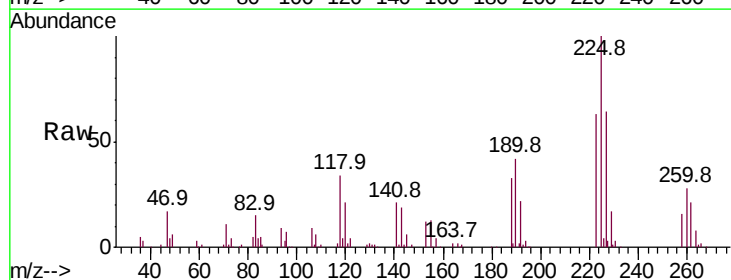


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

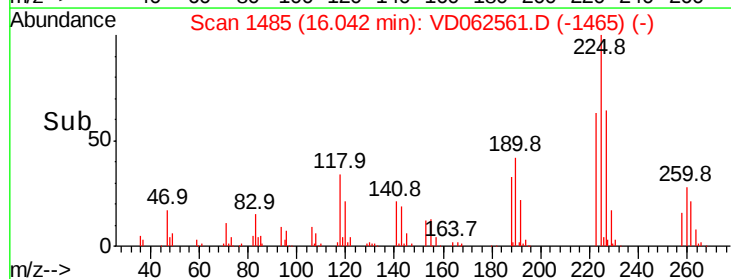
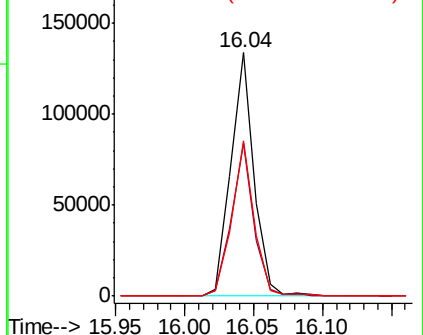


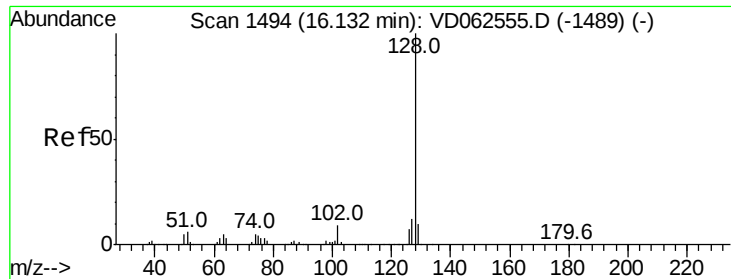
#94
 Hexachlorobutadiene
 Concen: 20.292 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Tgt Ion:225 Resp: 156863
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.5
 227 63.5 32.1 96.5



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

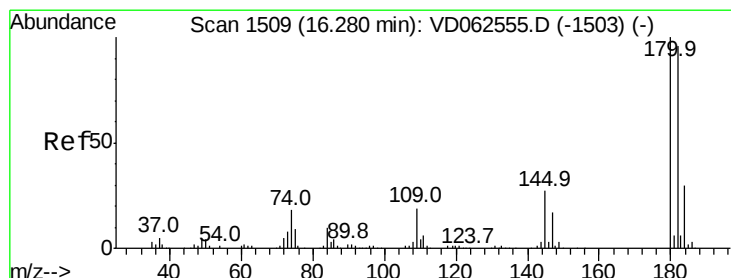
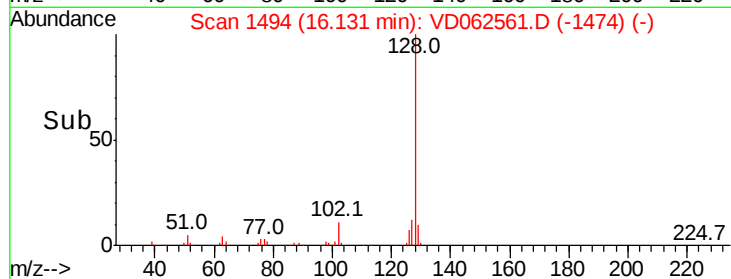
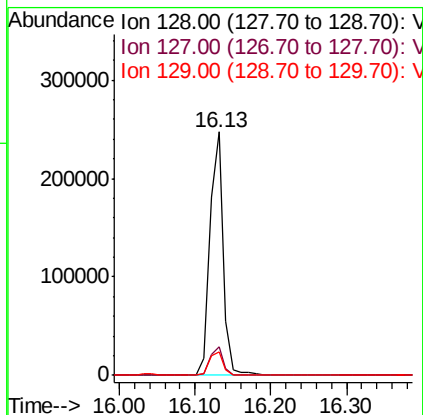
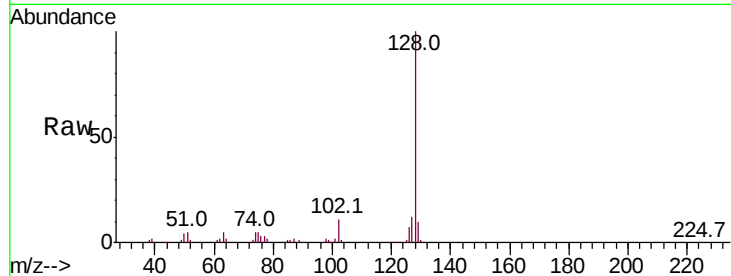




#95
Naphthalene
Concen: 21.527 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

Tot Ion:128 Resp: 306992
Ion Ratio Lower Upper
128 100
127 12.0 9.7 14.5
129 9.8 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 21.292 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Tgt Ion:180 Resp: 166545
Ion Ratio Lower Upper
180 100
182 98.8 48.1 144.3
145 27.5 13.3 39.9

