

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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Instrument :
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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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Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
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ClientSampleId :
VD0531SBSD01

Quant Time: May 31 23:26:05 2019
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Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

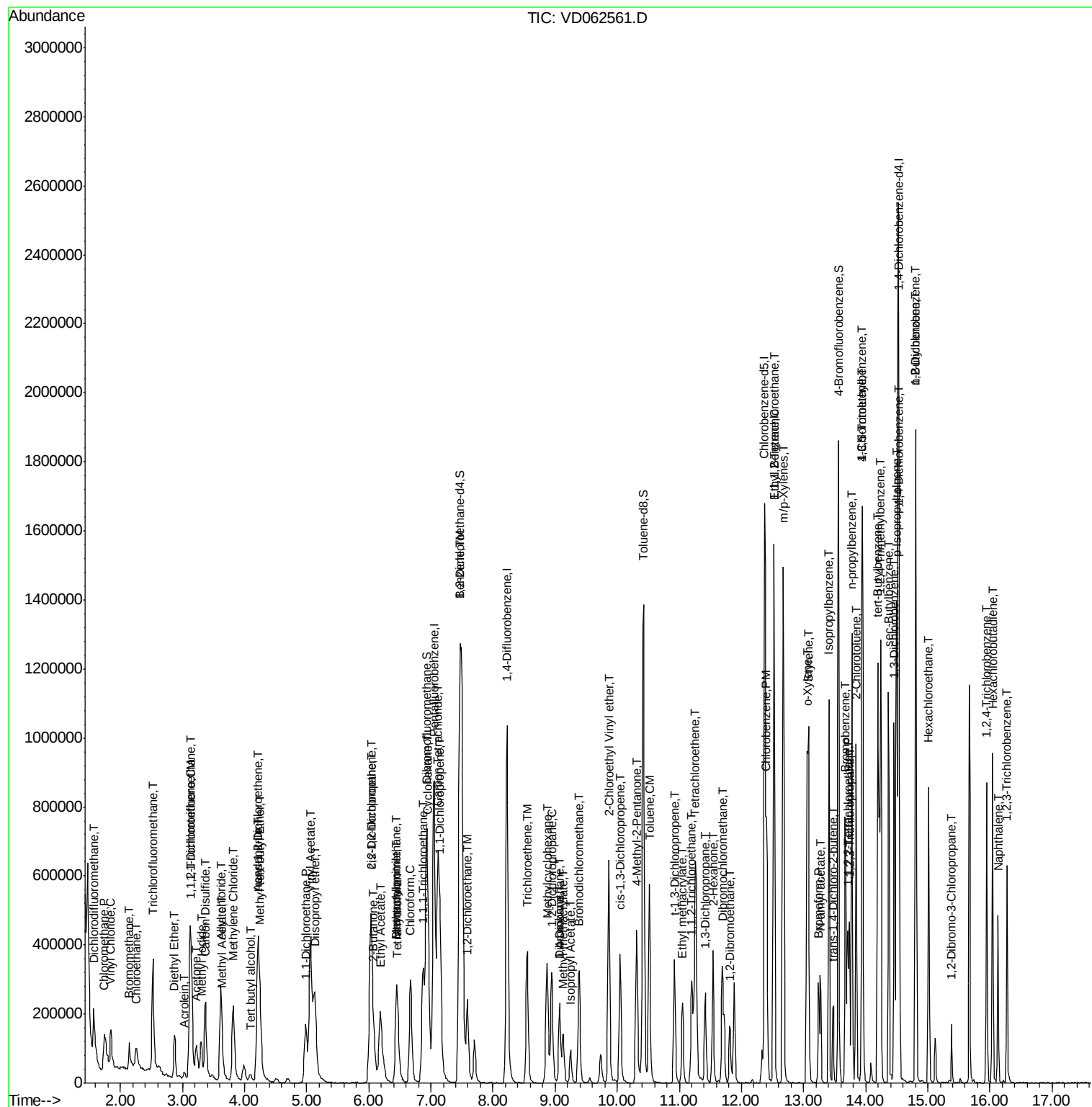
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	211641	20.211	ug/l	96
94) Hexachlorobutadiene	16.04	225	156863	20.292	ug/l	99
95) Naphthalene	16.13	128	306992	21.527	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	166545	21.292	ug/l	98

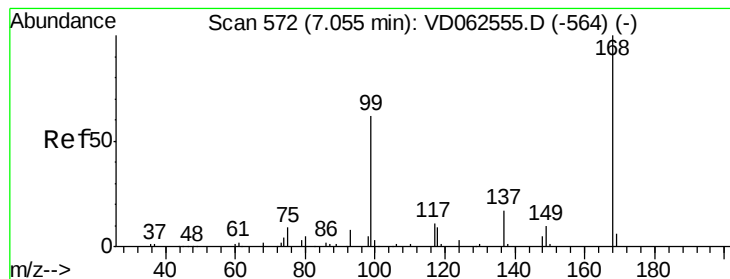
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 31 May 2019 14:04
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 Sample : VD0531SBSD01
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#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 :

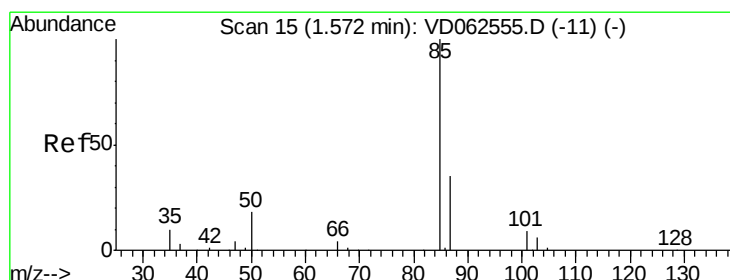
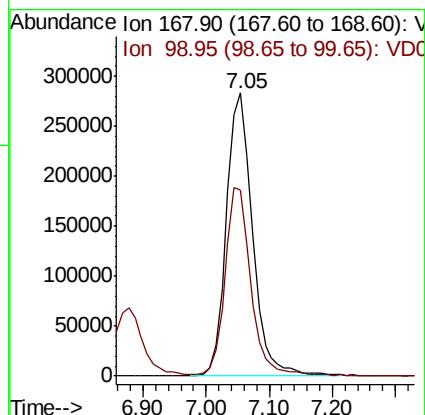
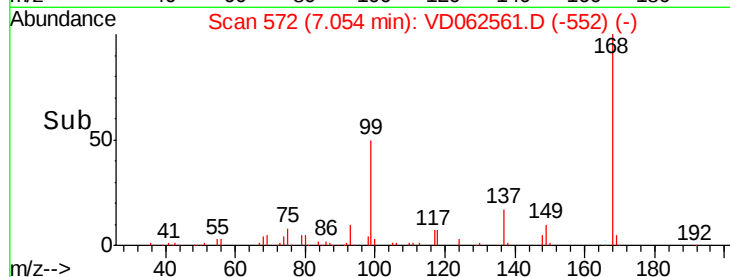
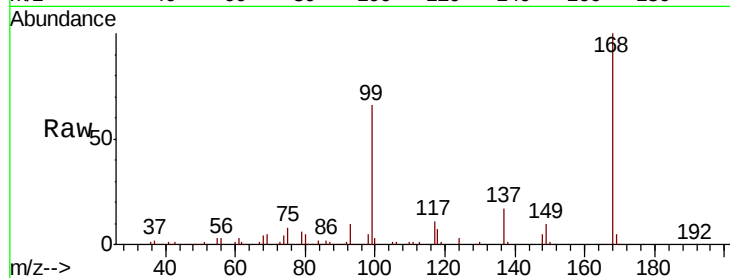
VD0531SBSD01

Tot Ion:168 Resp: 814232

Ion Ratio Lower Upper

168 100

99 65.7 50.8 76.2



#2

Dichlorodifluoromethane

Concen: 22.266 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062561.D

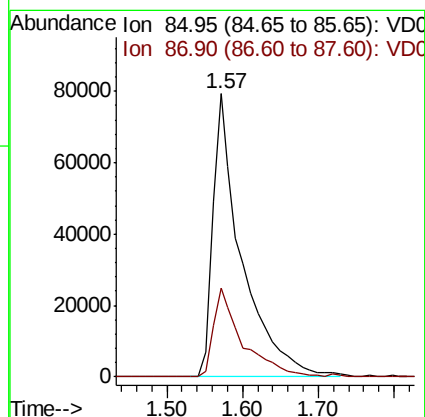
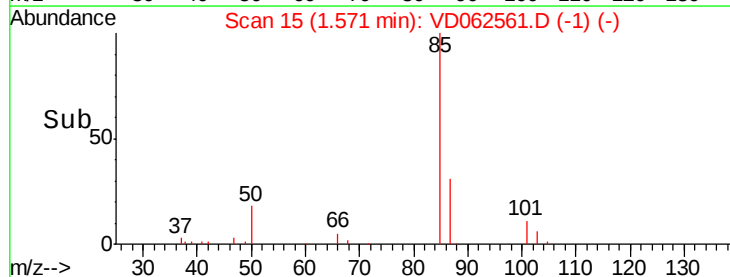
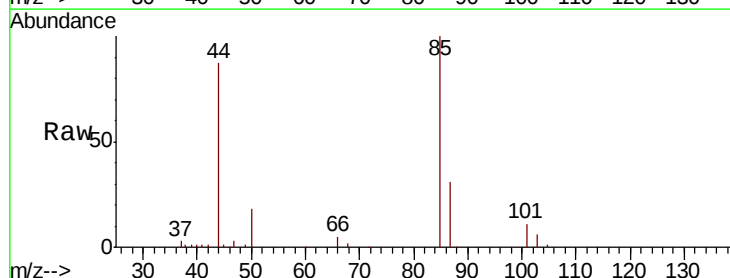
Acq: 31 May 2019 14:04

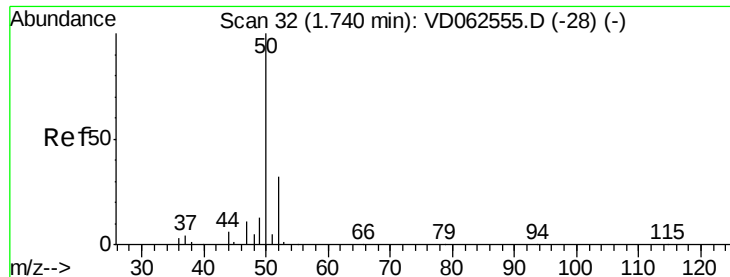
Tgt Ion: 85 Resp: 210273

Ion Ratio Lower Upper

85 100

87 31.4 17.5 52.6





#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 :

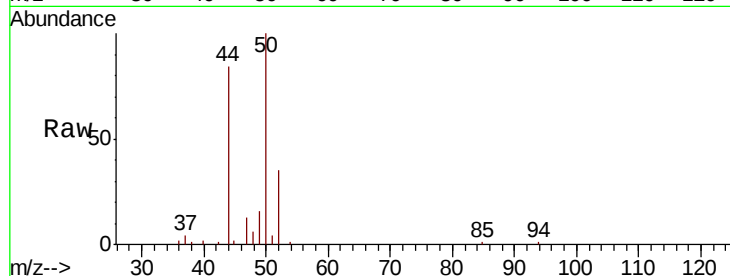
VD0531SBSD01

Tot Ion: 50 Resp: 180529

Ion Ratio Lower Upper

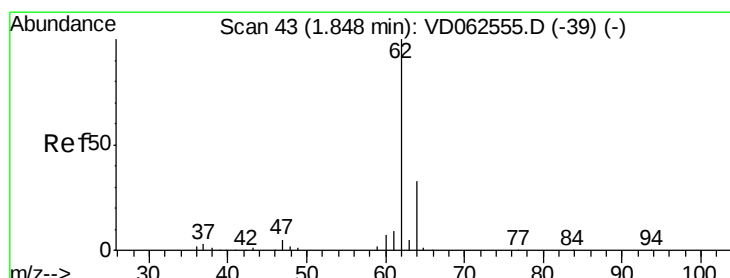
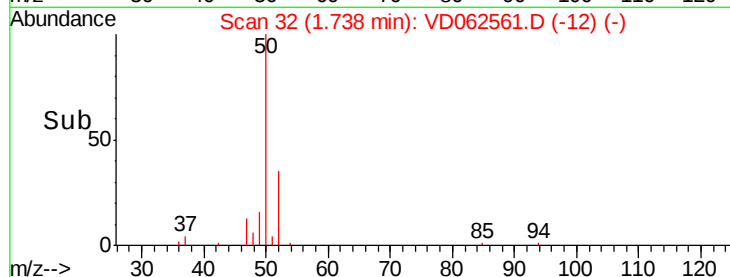
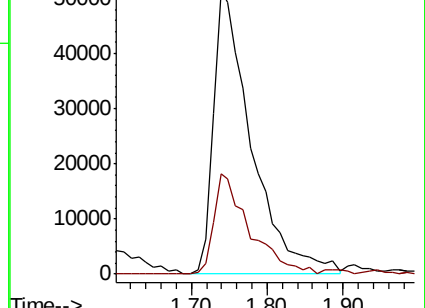
50 100

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



#4

Vinyl Chloride

Concen: 20.678 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062561.D

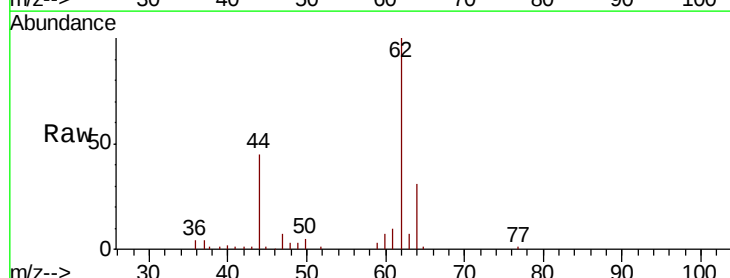
Acq: 31 May 2019 14:04

Tgt Ion: 62 Resp: 149163

Ion Ratio Lower Upper

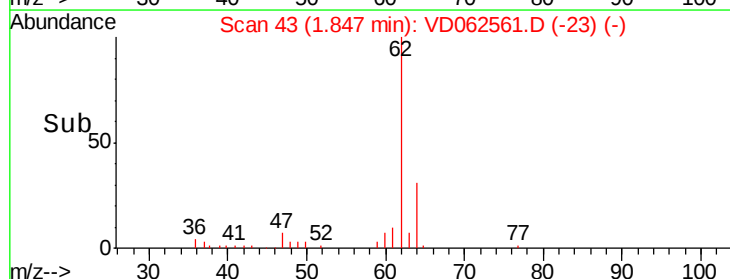
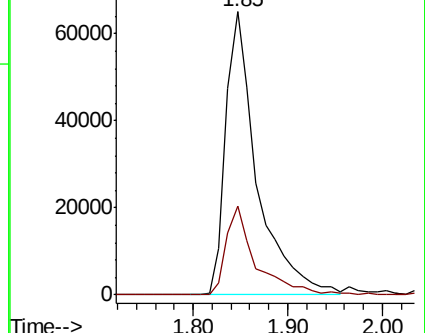
62 100

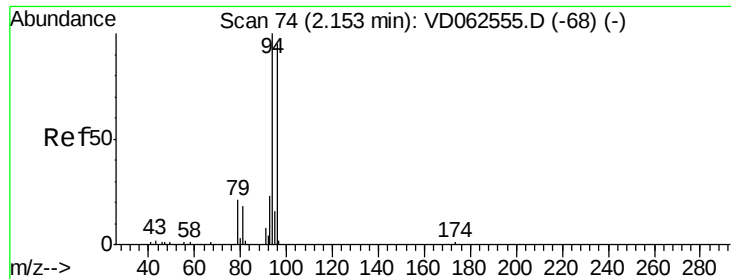
64 31.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#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

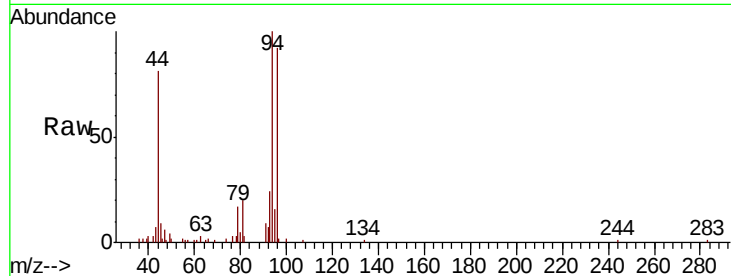
Tot Ion: 94 Resp: 47761

Ion Ratio Lower Upper

94 100

96 91.9 76.2 114.4

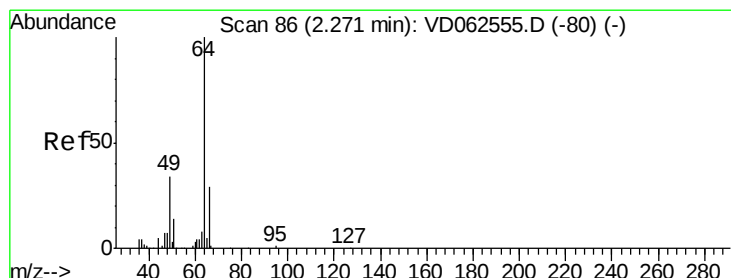
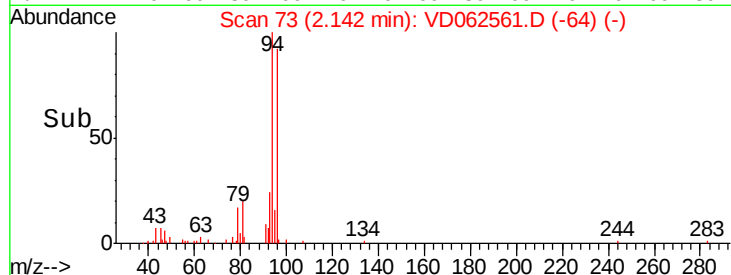
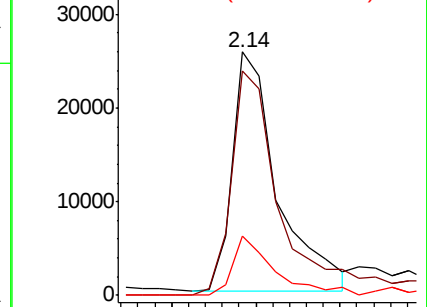
93 24.3 18.4 27.6



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.872 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062561.D

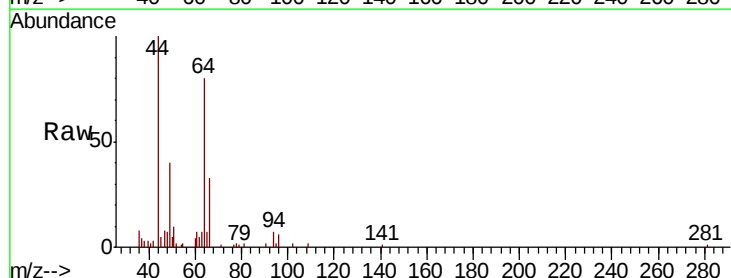
Acq: 31 May 2019 14:04

Tgt Ion: 64 Resp: 67222

Ion Ratio Lower Upper

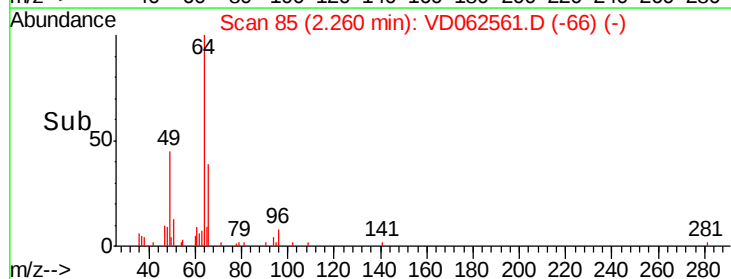
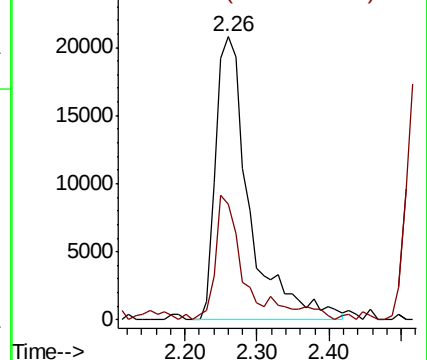
64 100

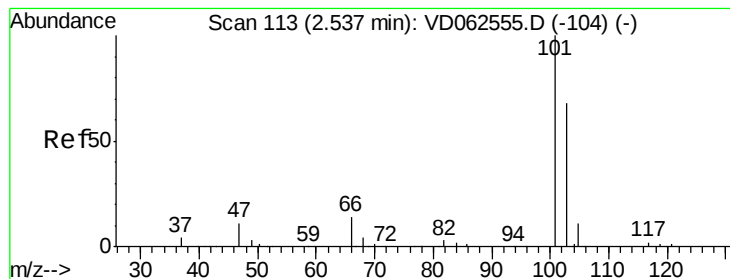
66 41.0 23.4 35.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



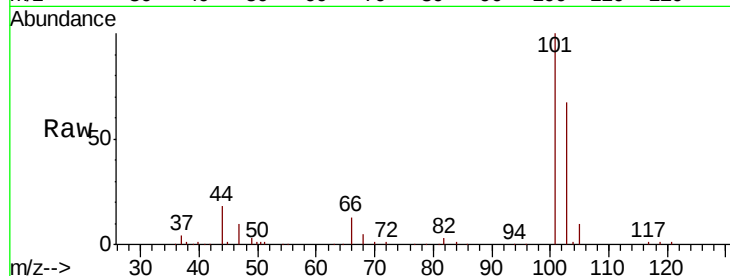


#7

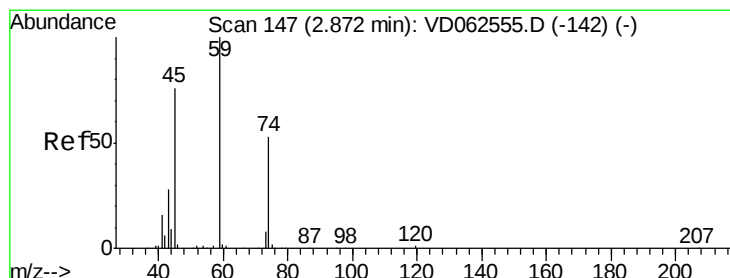
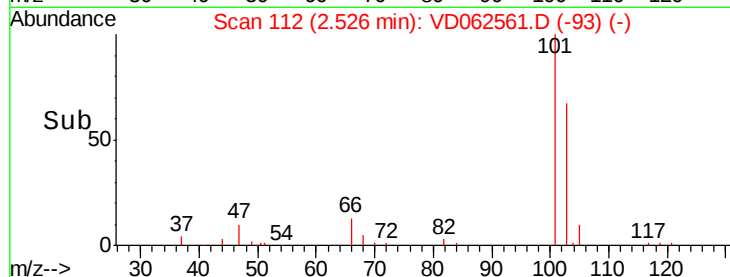
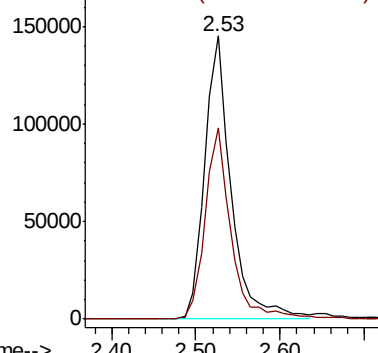
Trichlorofluoromethane
 Concen: 20.791 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Instrument :
 MSVOA_D
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 VD0531SBSD01

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



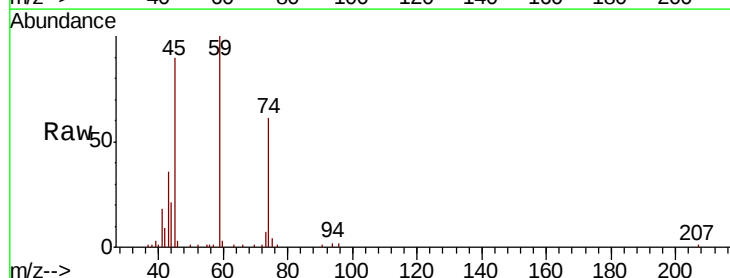
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



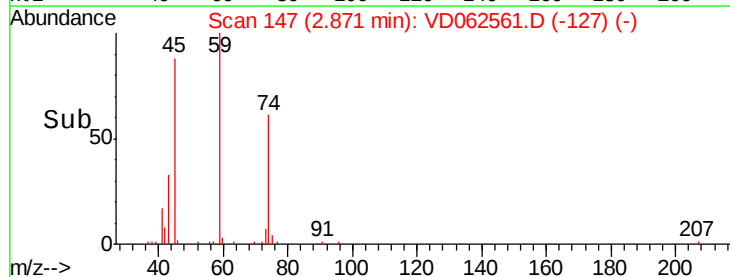
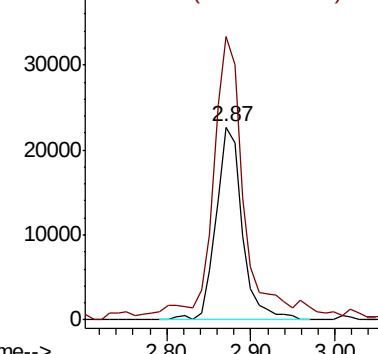
#8

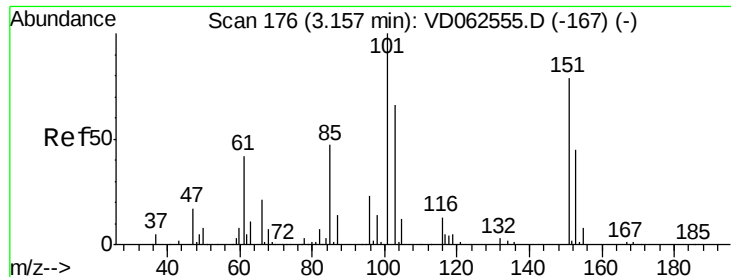
Diethyl Ether
 Concen: 25.268 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062561.D
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Tgt Ion: 74 Resp: 49415
 Ion Ratio Lower Upper
 74 100
 45 146.7 71.9 215.7



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

Instrument :

MSVOA_D

ClientSampleId :

VD0531SBS01

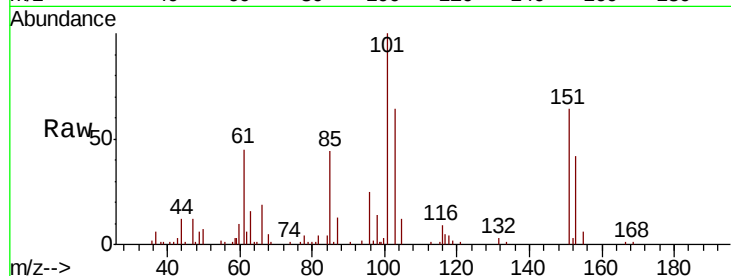
Tot Ion:101 Resp: 176141

Ion Ratio Lower Upper

101 100

85 43.8 37.6 56.4

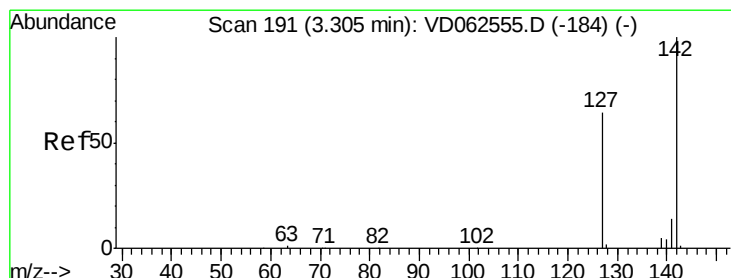
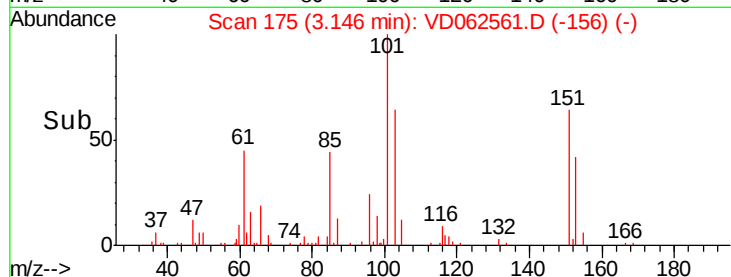
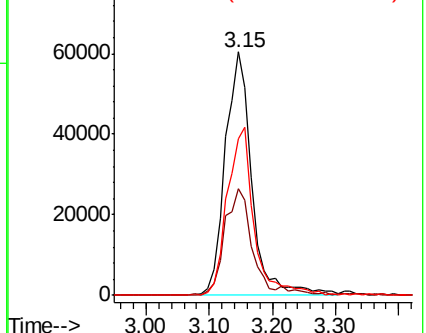
151 64.2 63.0 94.4



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

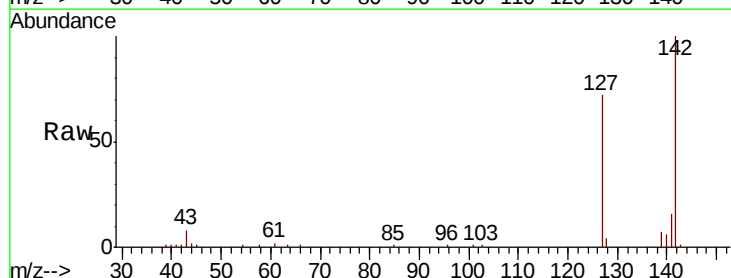
Tgt Ion:142 Resp: 195326

Ion Ratio Lower Upper

142 100

127 72.5 51.2 76.8

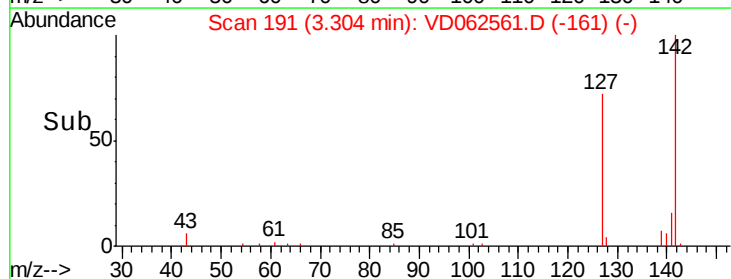
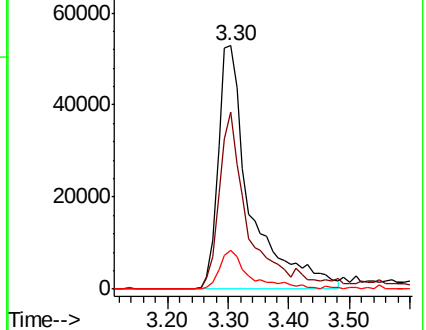
141 15.8 11.0 16.4

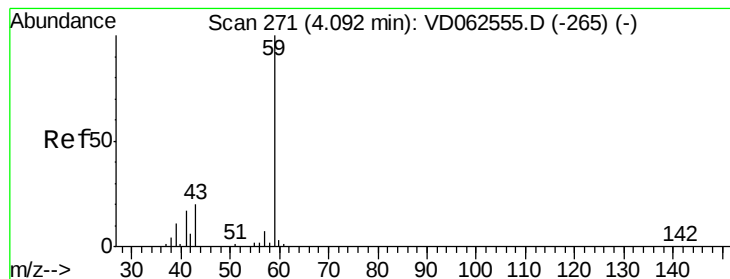


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



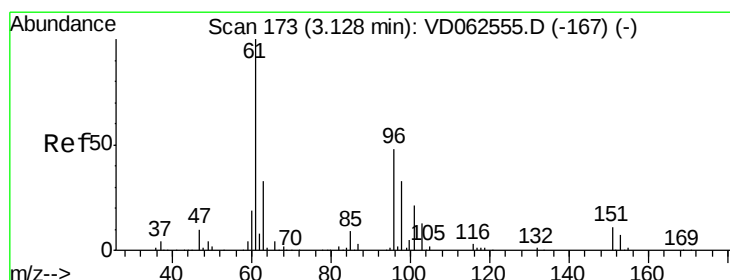
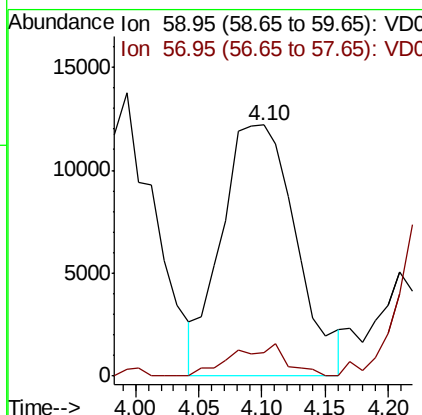
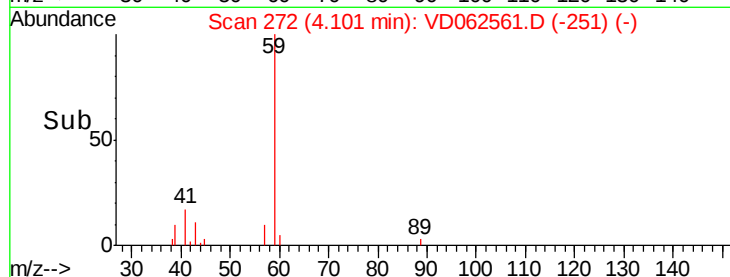
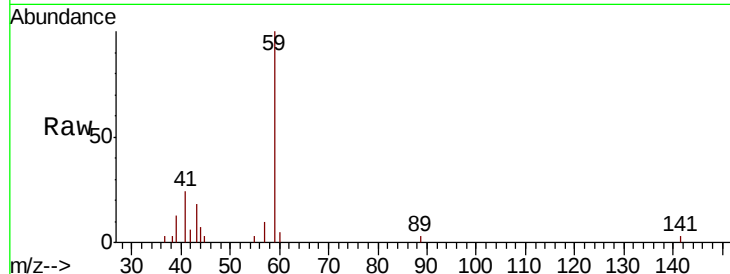


#11

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

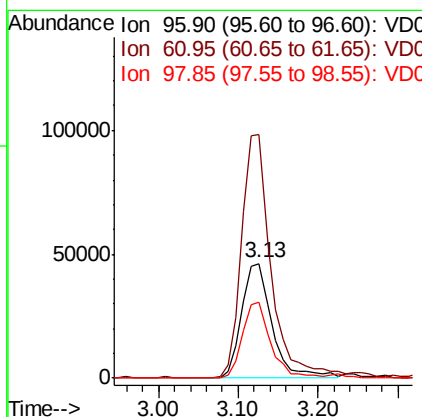
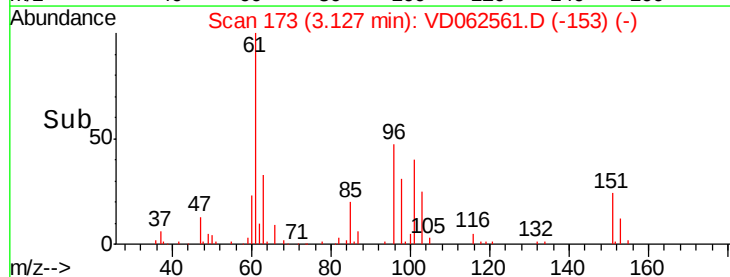
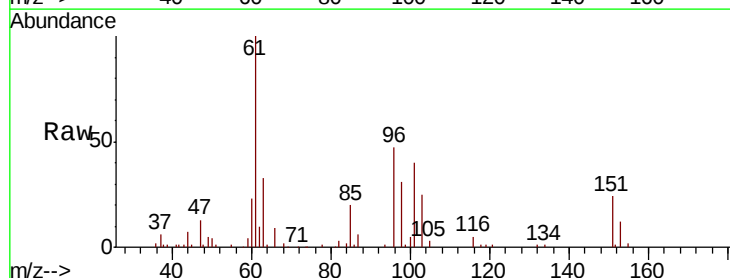
Tot Ion: 59 Resp: 50025
Ion Ratio Lower Upper
59 100
57 9.6 5.4 8.0#

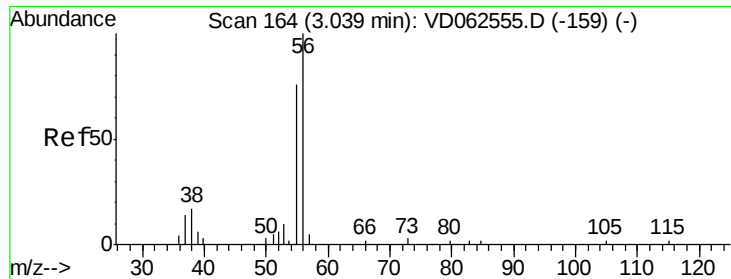


#12

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 :

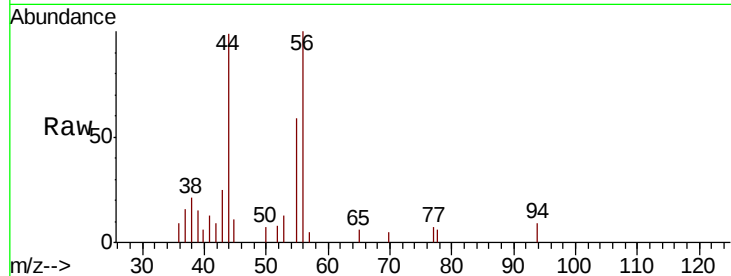
VD0531SBSD01

Tot Ion: 56 Resp: 18510

Ion Ratio Lower Upper

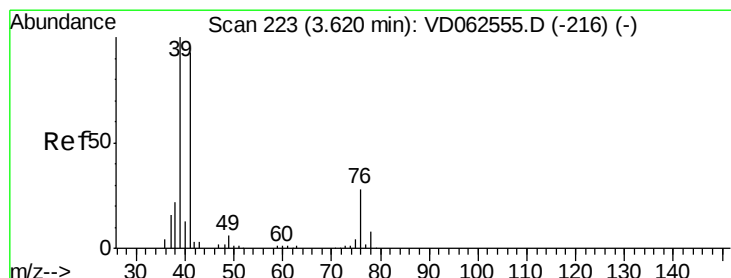
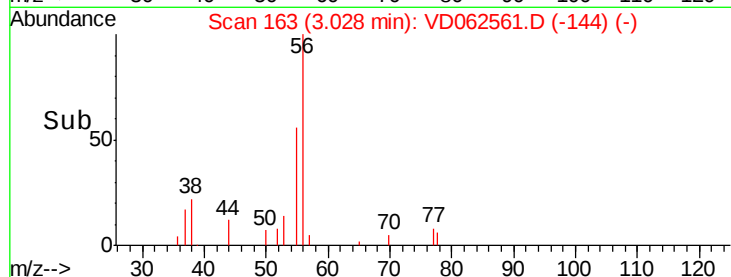
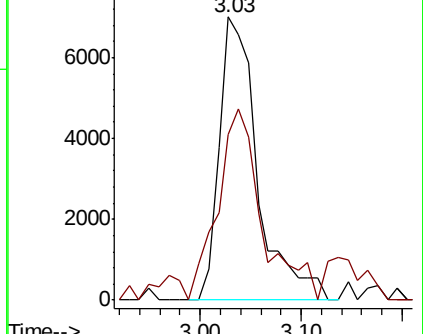
56 100

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



#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

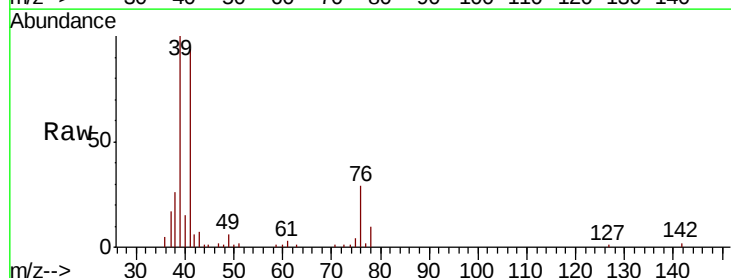
Tgt Ion: 41 Resp: 205989

Ion Ratio Lower Upper

41 100

39 106.7 86.3 129.5

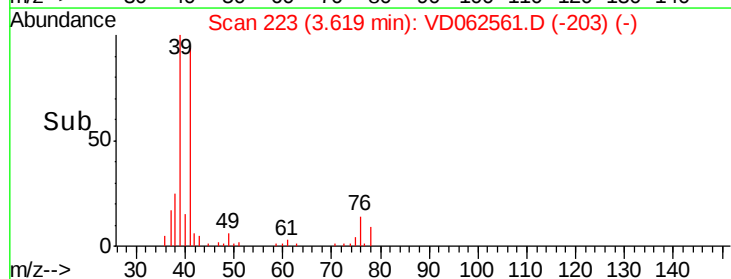
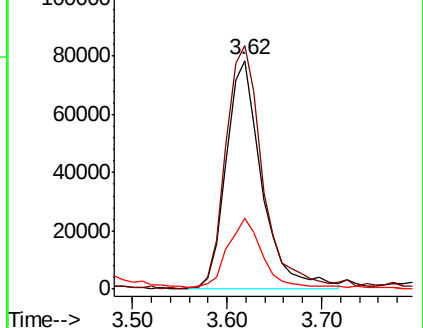
76 31.2 25.5 38.3

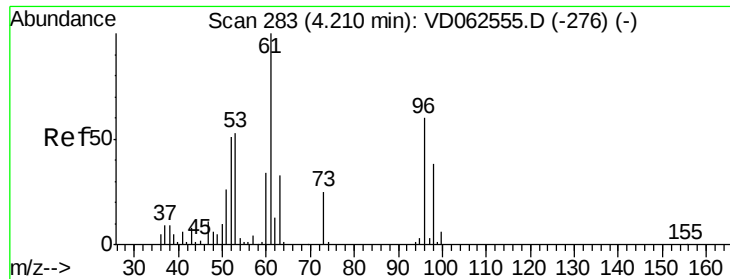


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#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

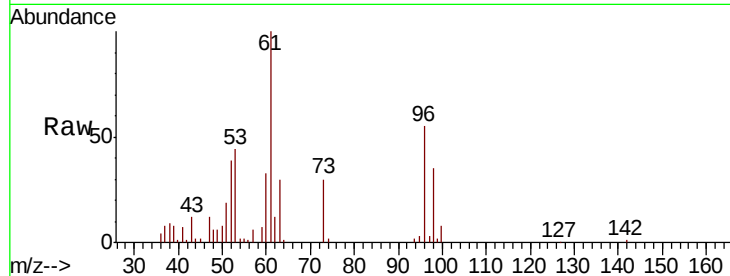
Tot Ion: 53 Resp: 102268

Ion Ratio Lower Upper

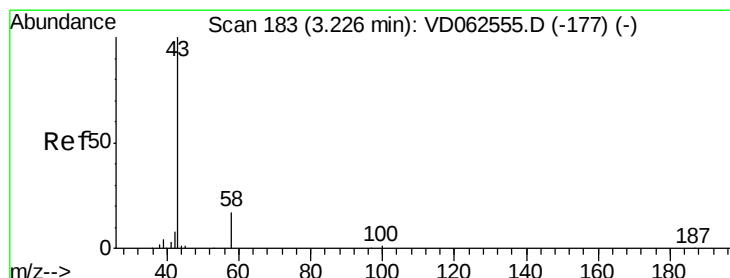
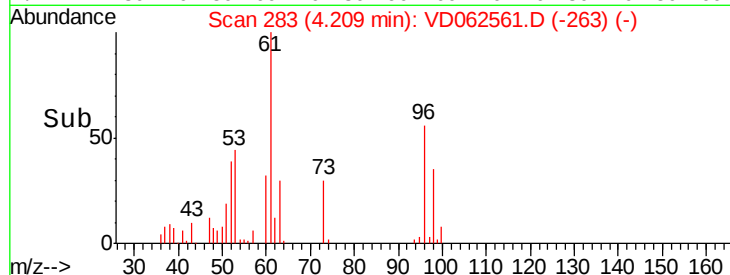
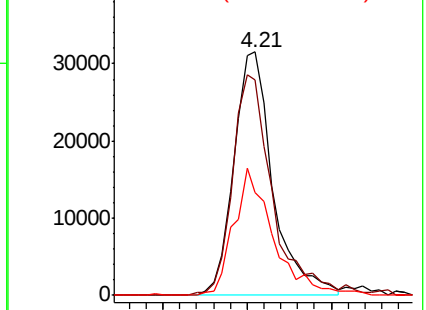
53 100

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

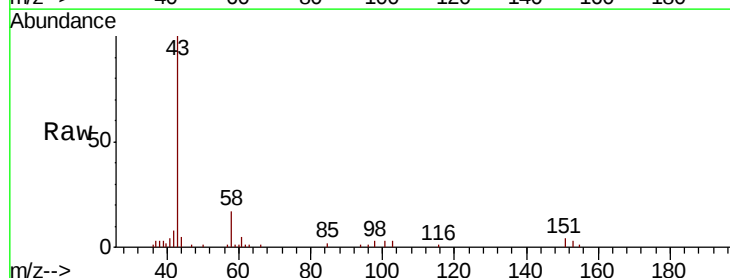
Acq: 31 May 2019 14:04

Tgt Ion: 43 Resp: 197767

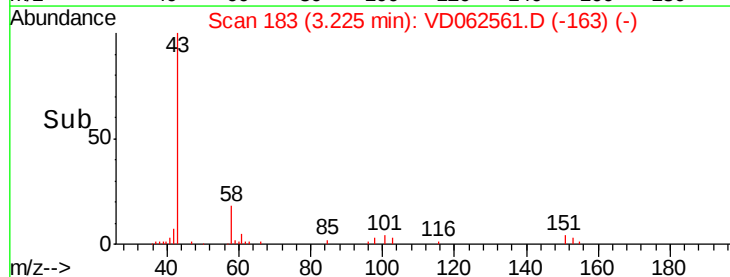
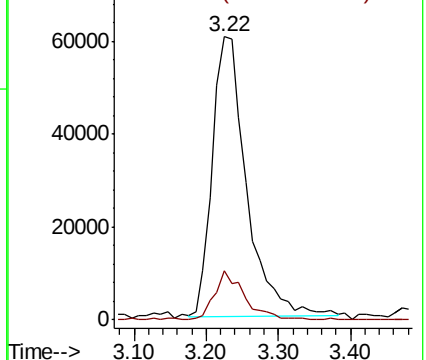
Ion Ratio Lower Upper

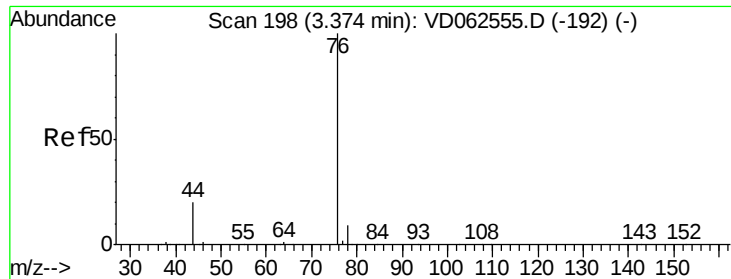
43 100

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

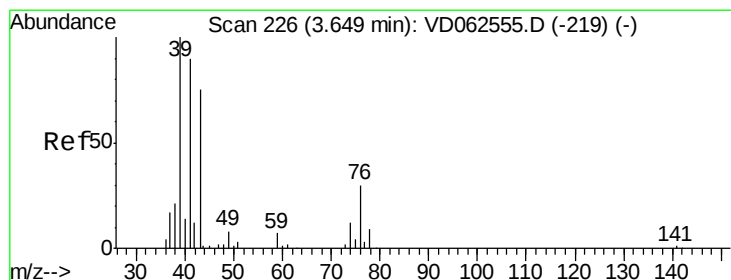
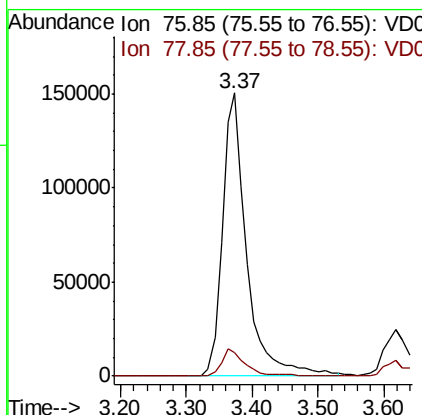
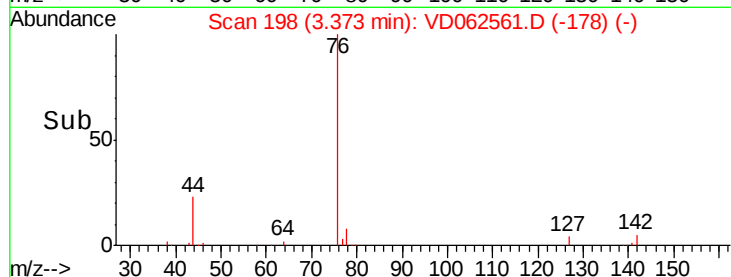
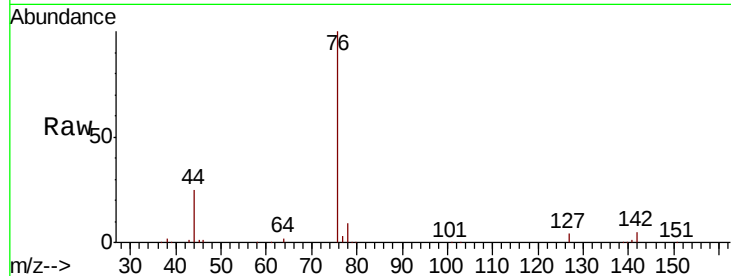




#17
Carbon Disulfide
Concen: 18.549 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

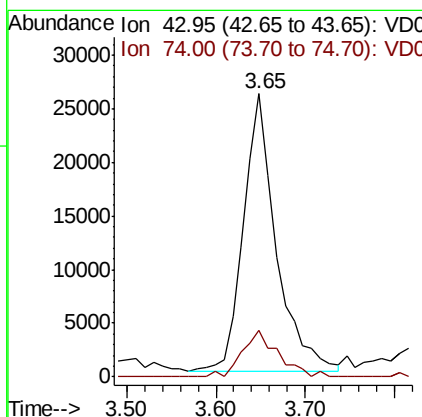
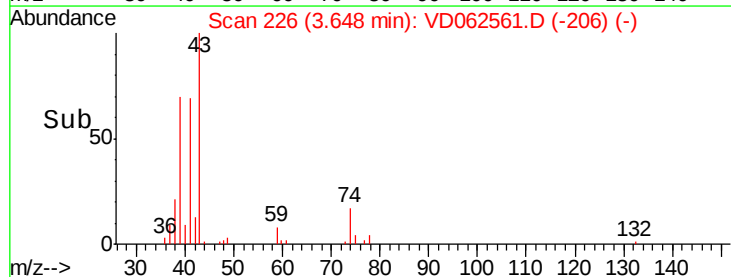
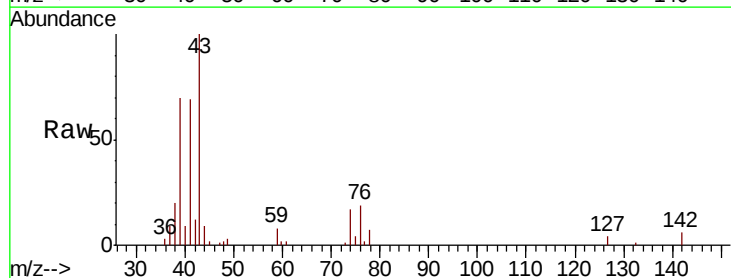
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

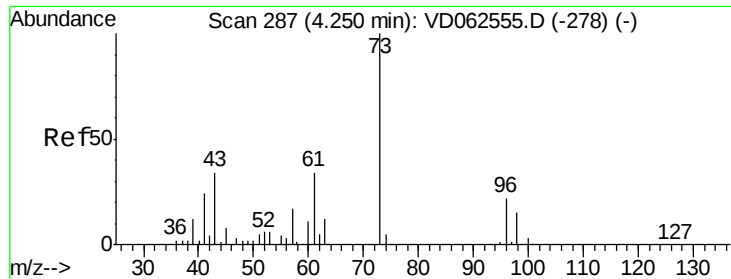
Tot Ion: 76 Resp: 383983
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#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



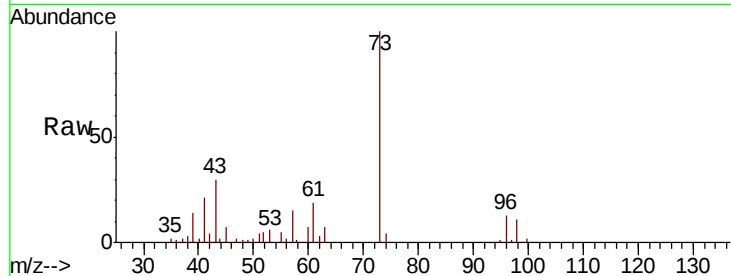


#19

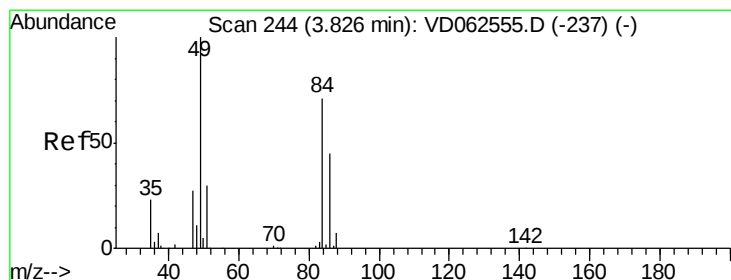
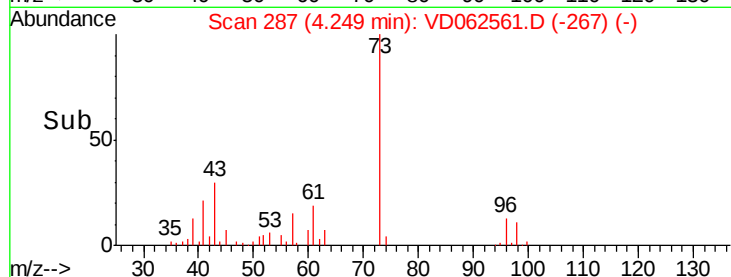
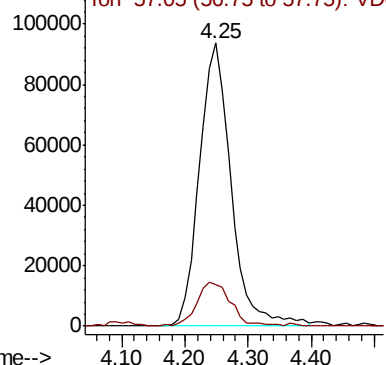
Methyl tert-butyl Ether
 Concen: 21.139 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0531SBS01

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



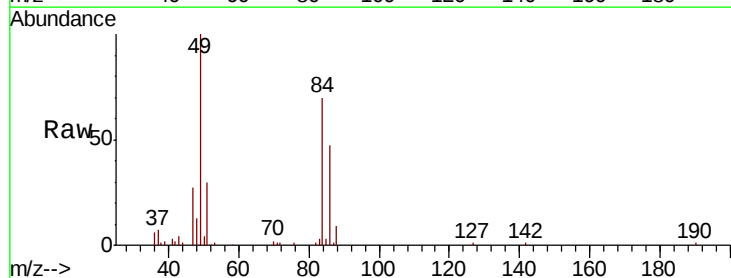
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



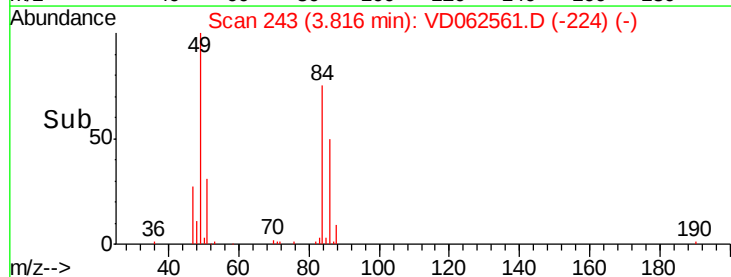
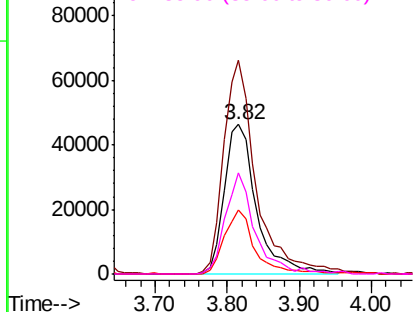
#20

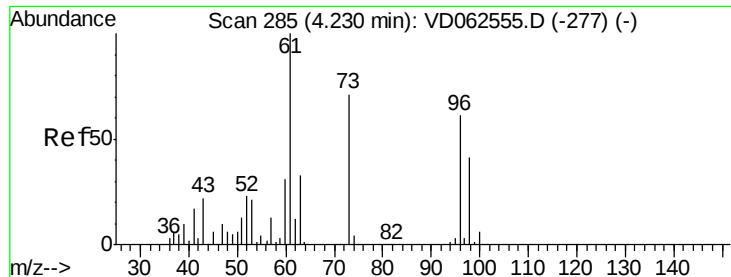
Methylene Chloride
 Concen: 20.796 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

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 :

VD0531SBS01

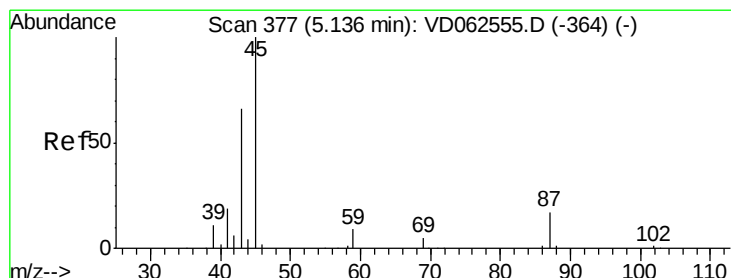
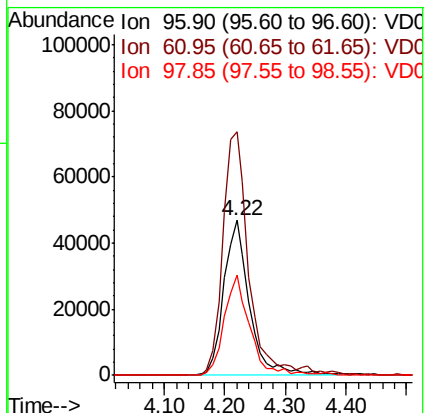
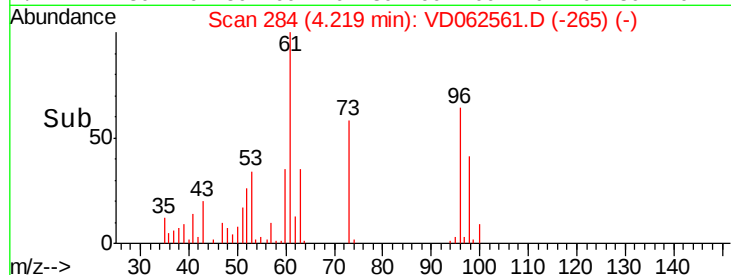
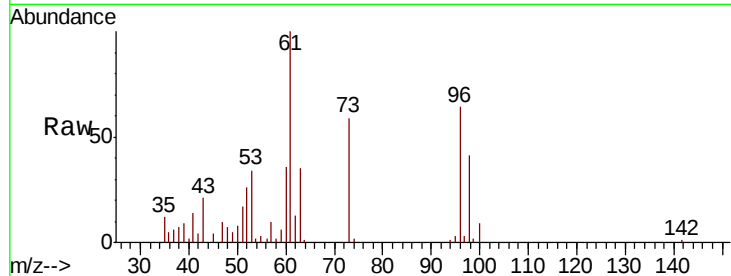
Tot Ion: 96 Resp: 138271

Ion Ratio Lower Upper

96 100

61 156.9 131.1 196.7

98 64.6 54.2 81.4



#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

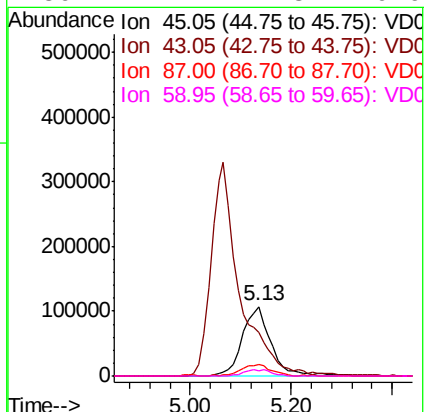
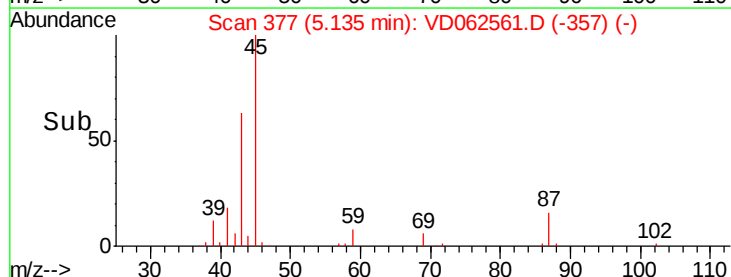
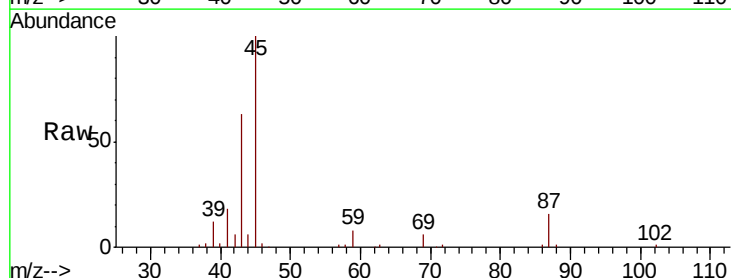
Ion Ratio Lower Upper

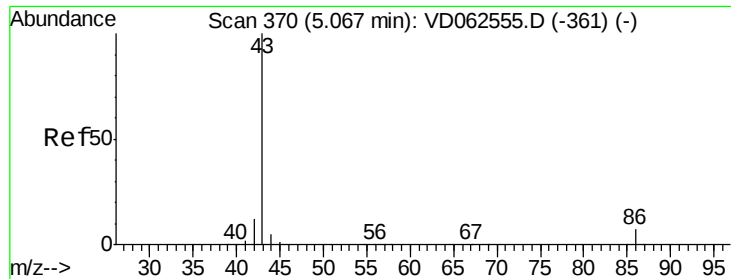
45 100

43 62.5 53.6 80.4

87 16.2 14.2 21.4

59 7.7 7.3 10.9





#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 :

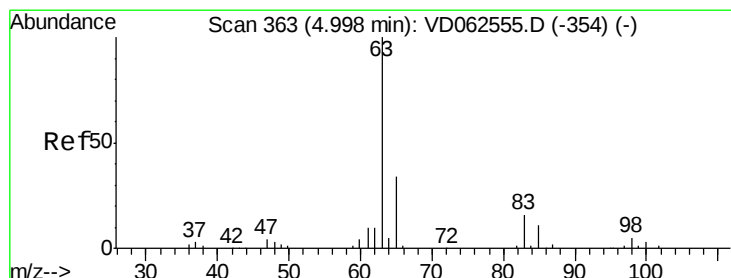
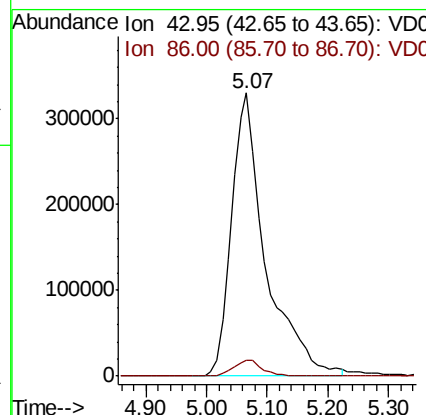
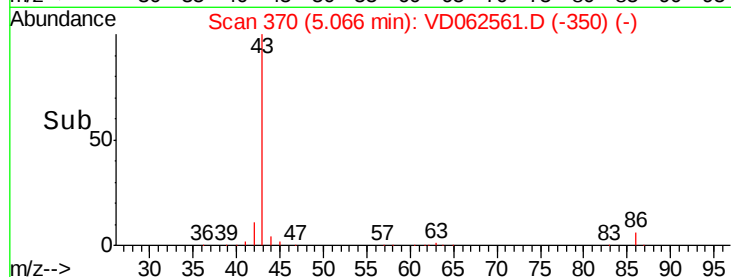
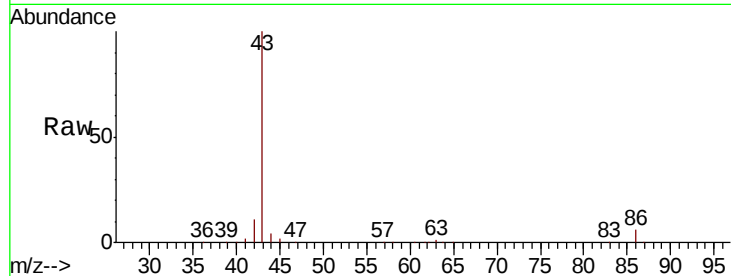
VD0531SBS01

Tot Ion: 43 Resp: 1290381

Ion Ratio Lower Upper

43 100

86 5.8 5.5 8.3



#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

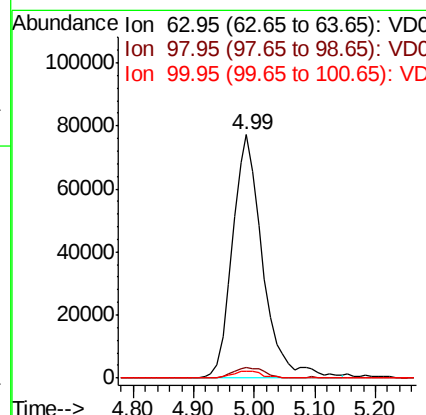
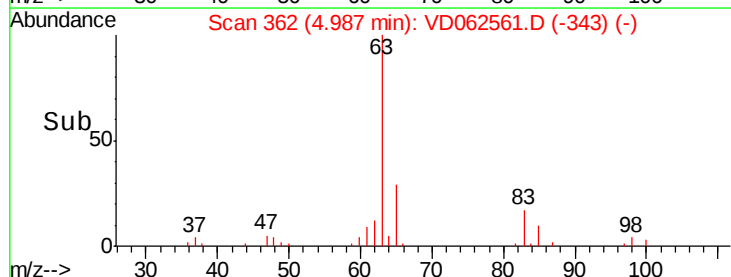
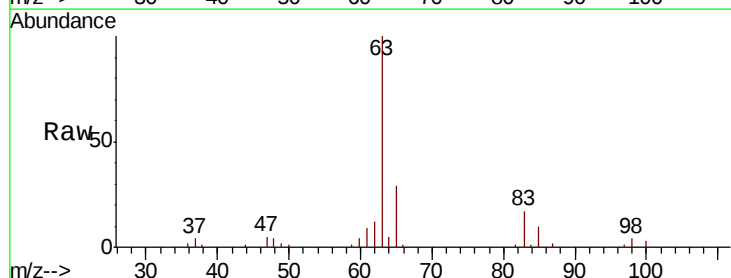
Tgt Ion: 63 Resp: 266781

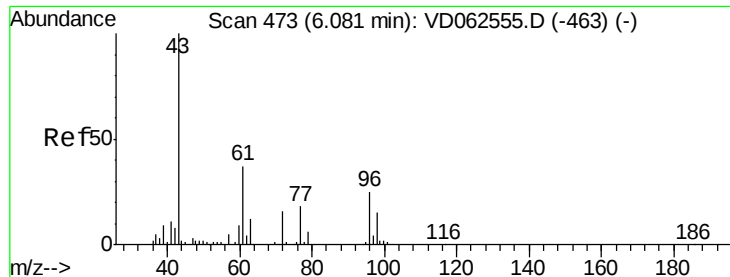
Ion Ratio Lower Upper

63 100

98 4.3 2.5 7.5

100 2.9 1.6 4.7





#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 :

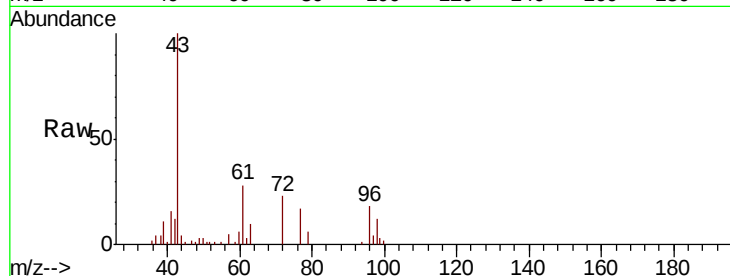
VD0531SBSD01

Tot Ion: 43 Resp: 188169

Ion Ratio Lower Upper

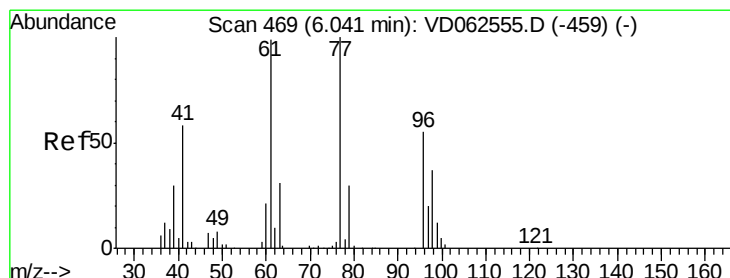
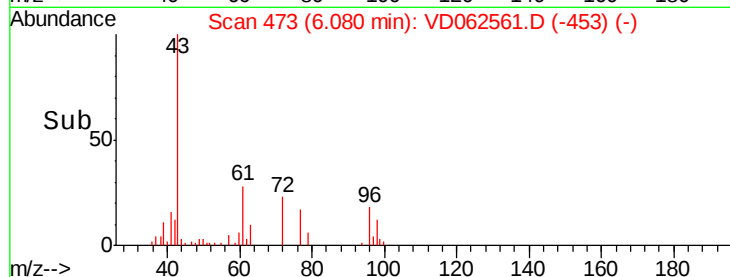
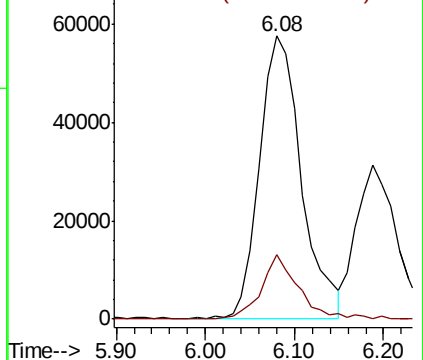
43 100

72 22.9 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#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

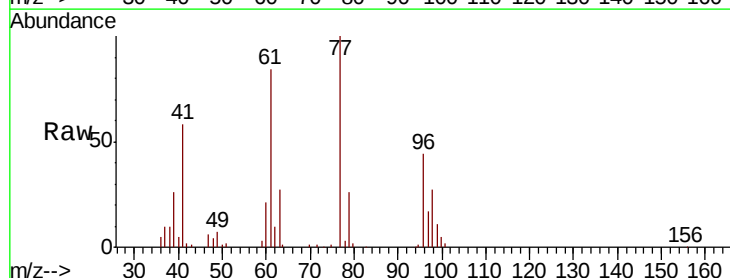
Acq: 31 May 2019 14:04

Tgt Ion: 77 Resp: 303672

Ion Ratio Lower Upper

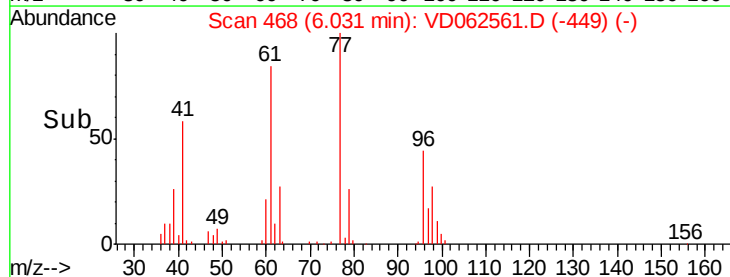
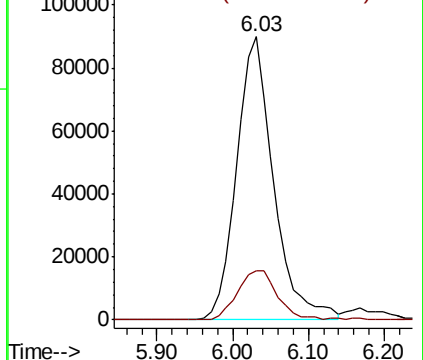
77 100

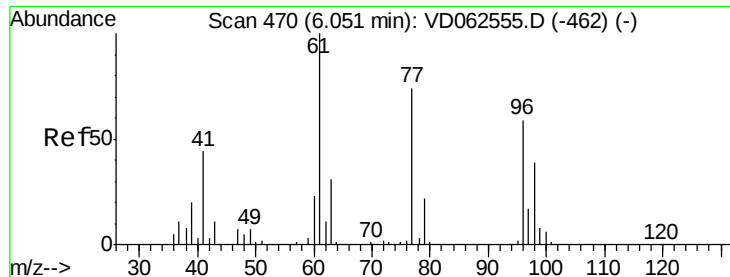
97 17.2 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 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

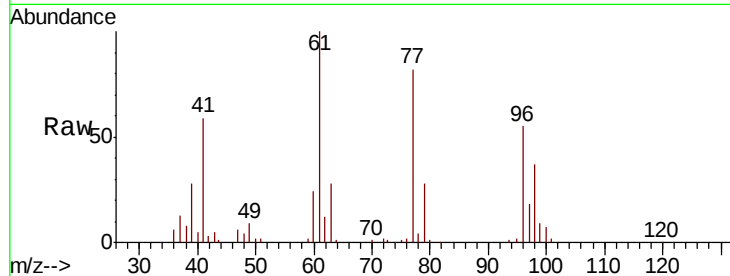
Tot Ion: 96 Resp: 150710

Ion Ratio Lower Upper

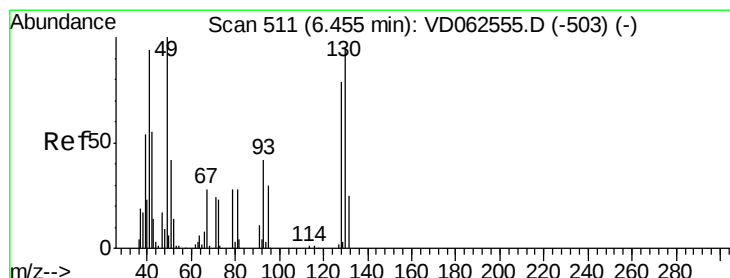
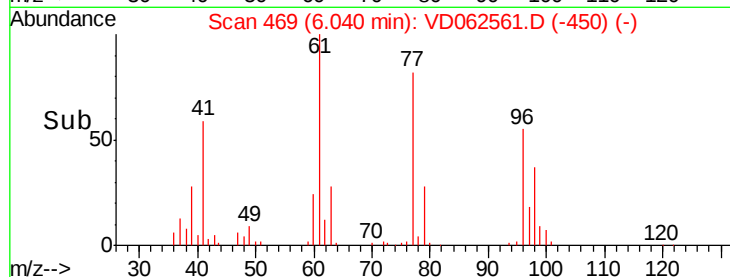
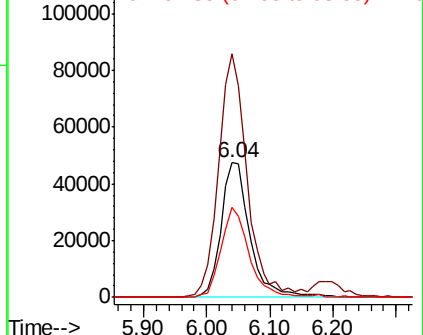
96 100

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

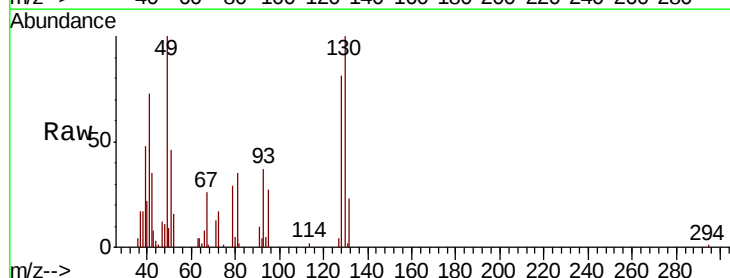
Tgt Ion: 49 Resp: 97969

Ion Ratio Lower Upper

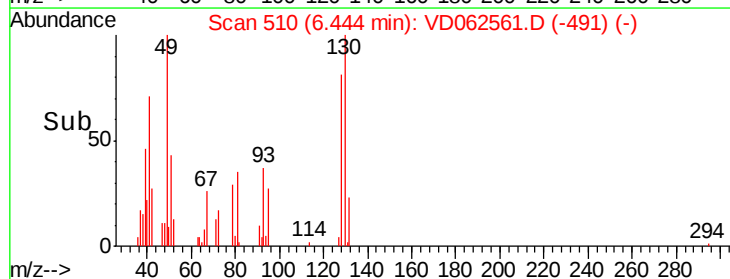
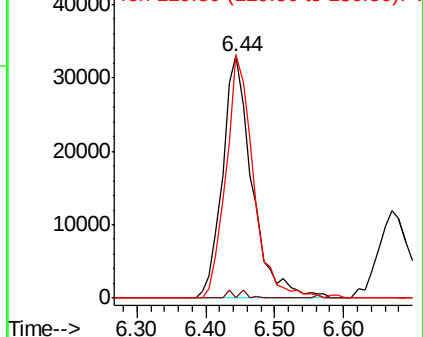
49 100

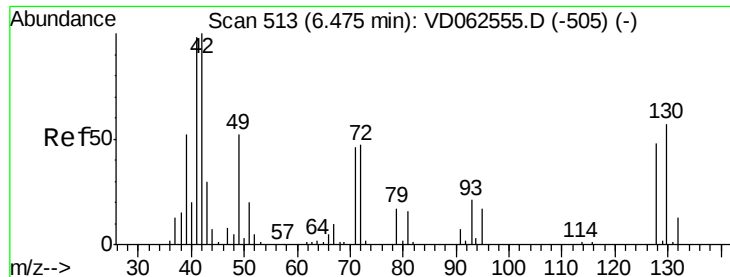
129 0.0 0.0 5.6

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

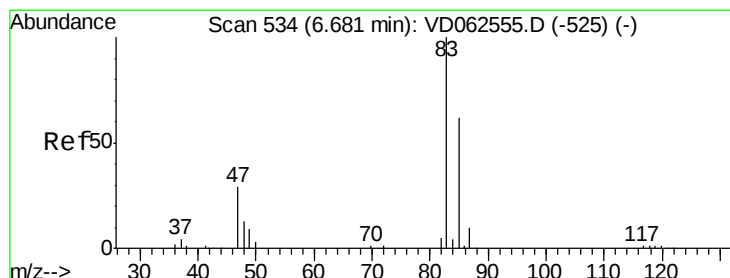
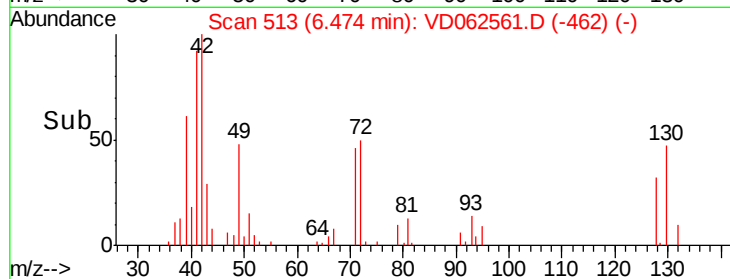
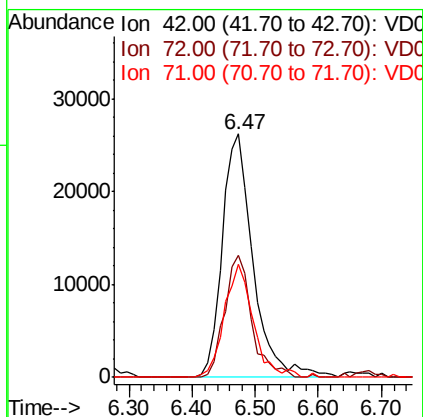
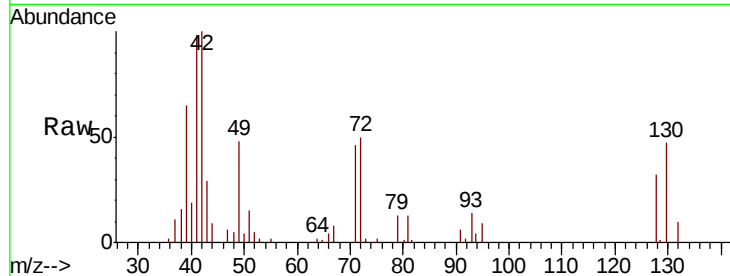




#29
Tetrahydrofuran
Concen: 112.097 ug/l
RT: 6.47 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

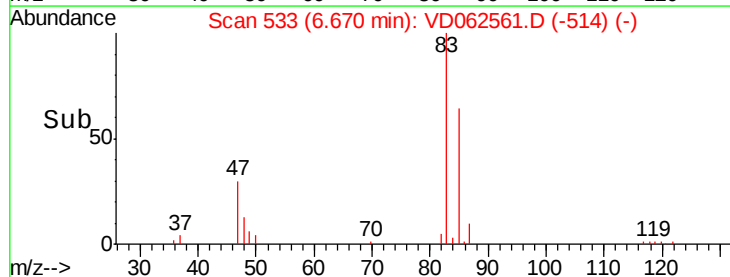
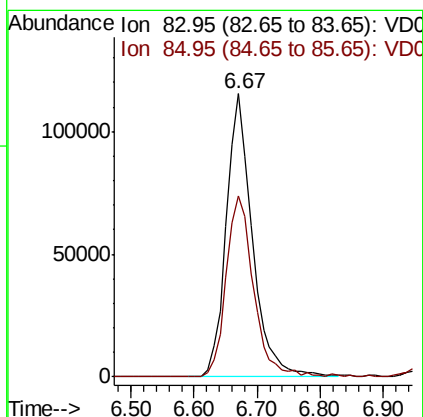
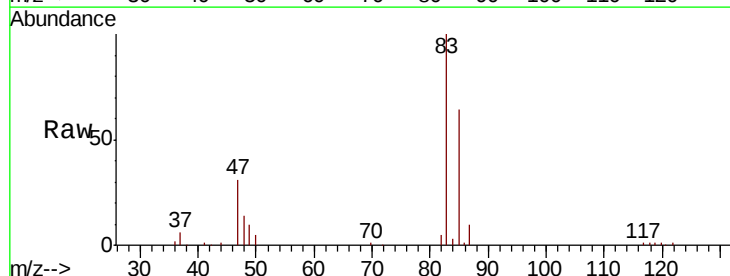
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

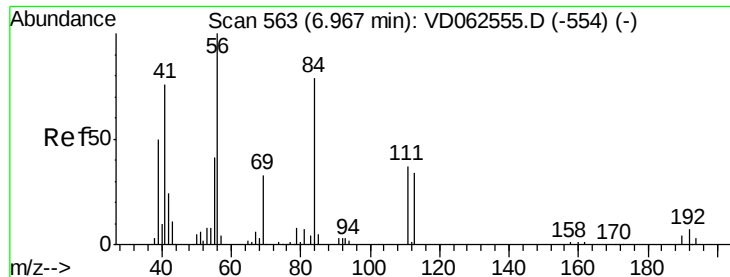
Tot Ion: 42 Resp: 88709
Ion Ratio Lower Upper
42 100
72 44.0 34.5 51.7
71 43.3 33.0 49.6



#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

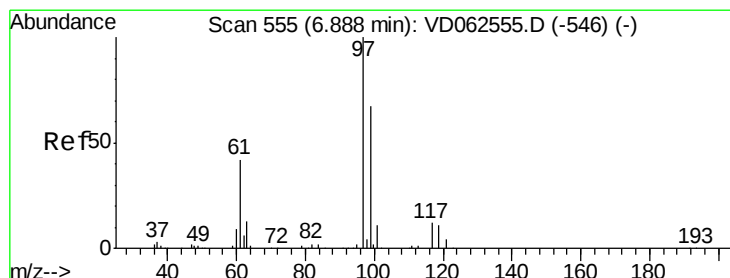
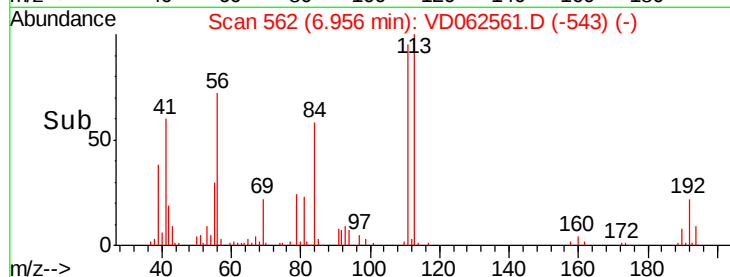
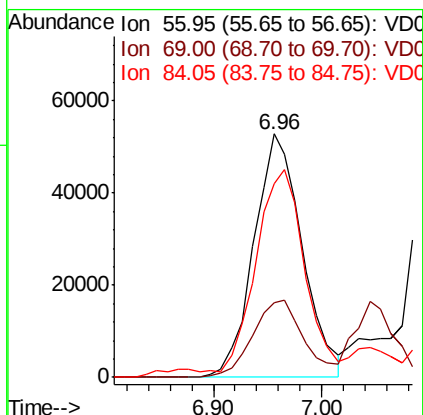
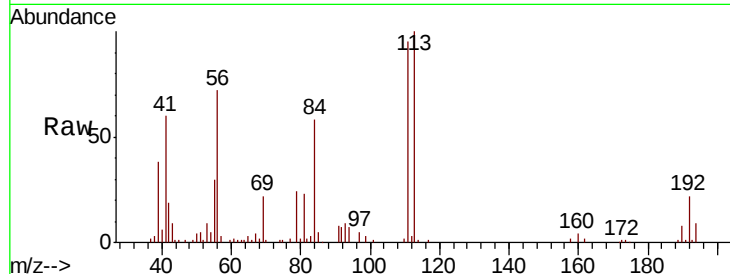




#31
Cyclohexane
Concen: 18.537 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

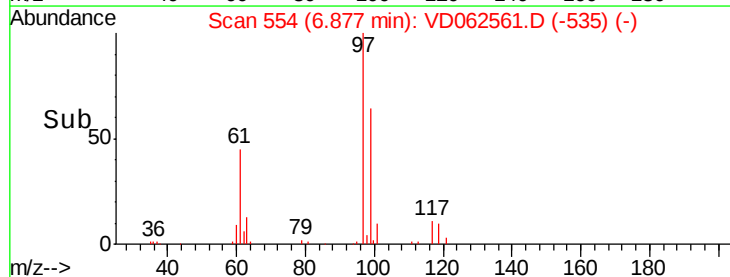
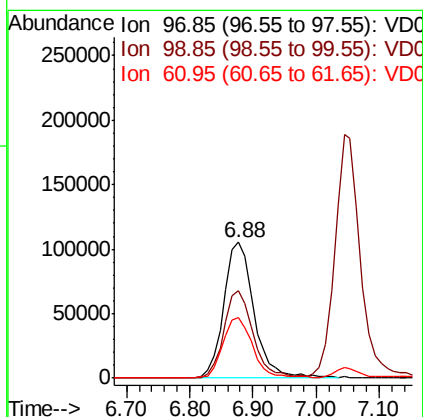
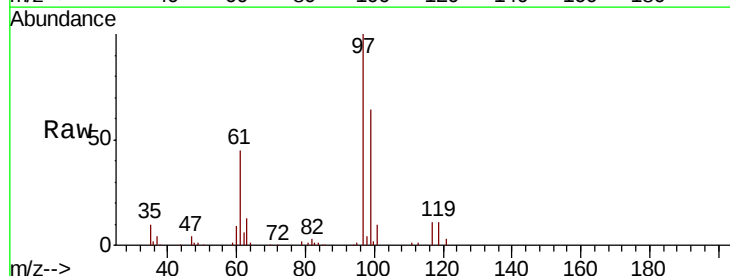
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

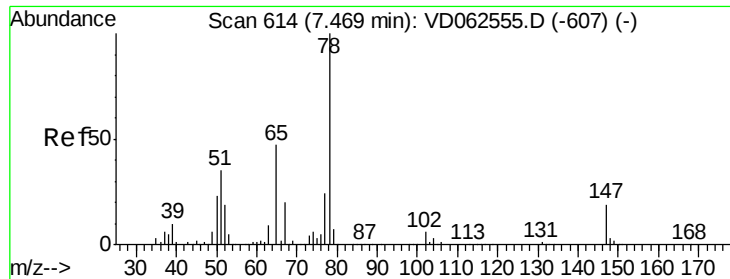
Tot Ion: 56 Resp: 164369
Ion Ratio Lower Upper
56 100
69 30.6 26.2 39.2
84 79.8 65.2 97.8



#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





#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 :

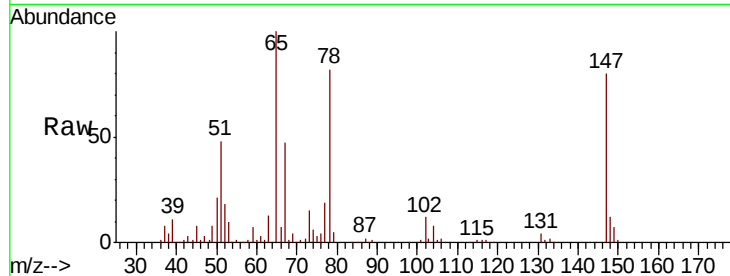
VD0531SBSD01

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

7.46

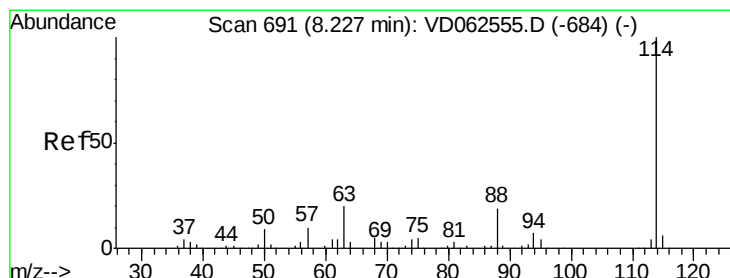
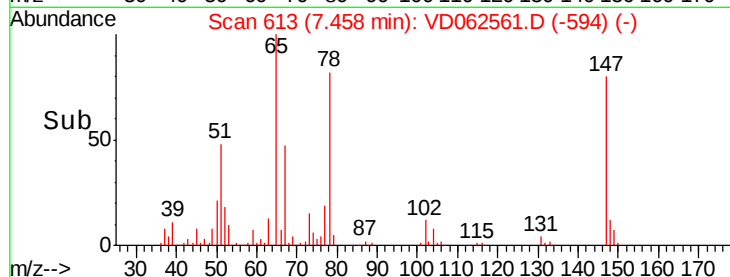
150000

100000

50000

0

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

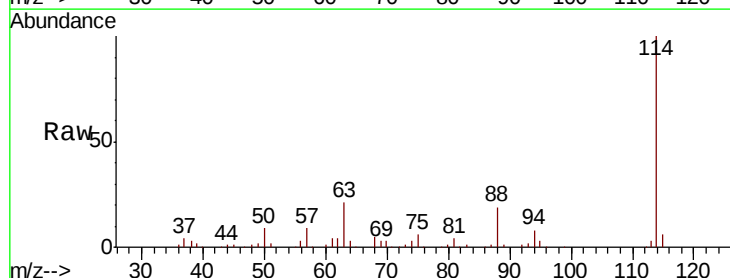
Tgt Ion: 114 Resp: 1066142

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): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

500000

400000

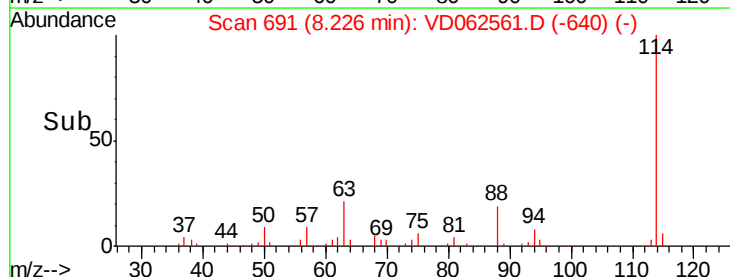
300000

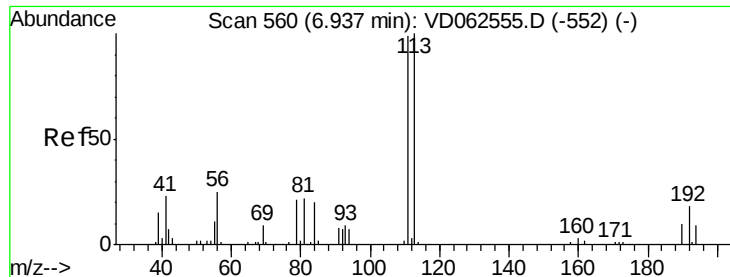
200000

100000

0

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

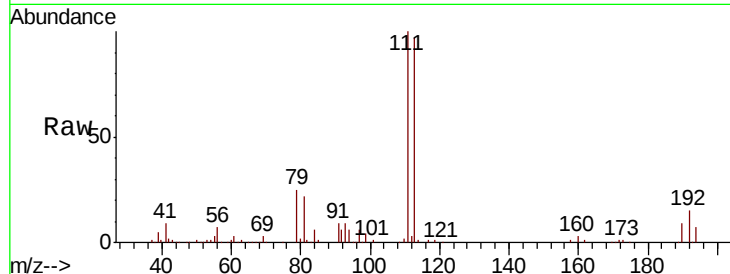
Tot Ion:113 Resp: 527802

Ion Ratio Lower Upper

113 100

111 103.2 78.8 118.2

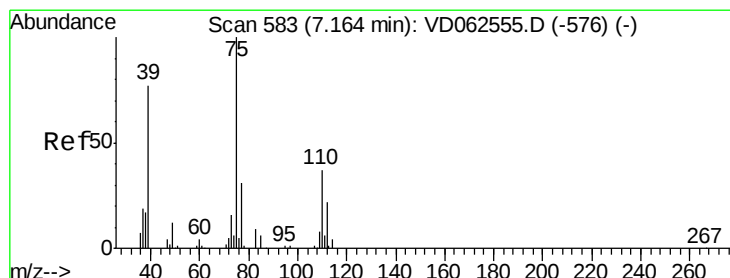
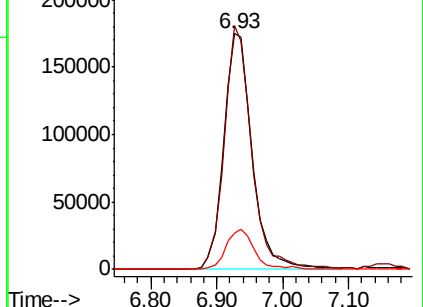
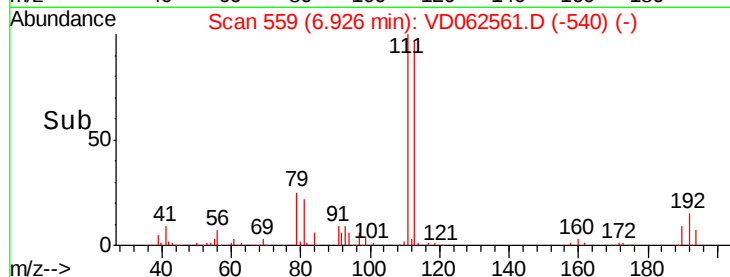
192 15.4 14.6 22.0



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

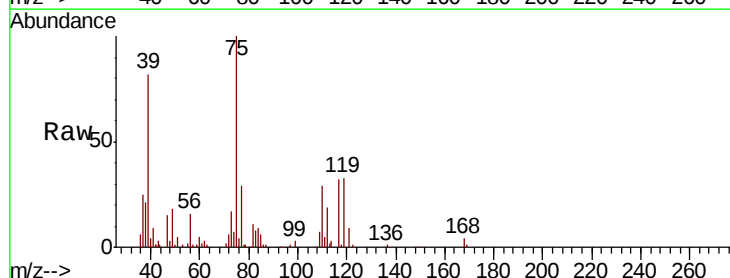
Tgt Ion: 75 Resp: 215803

Ion Ratio Lower Upper

75 100

110 29.3 18.3 54.8

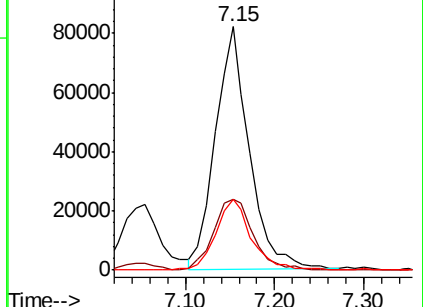
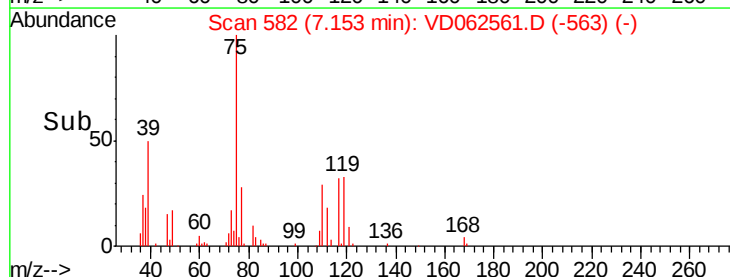
77 29.0 24.4 36.6

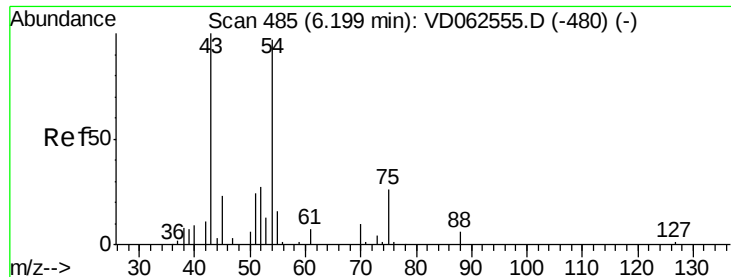


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

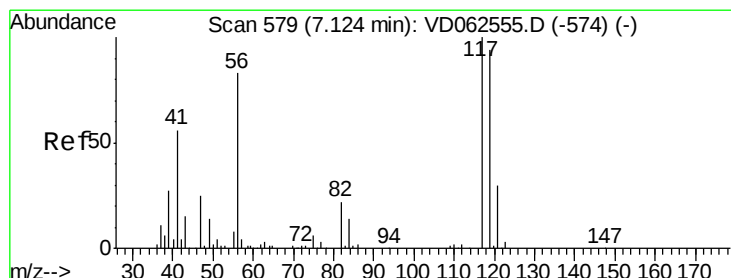
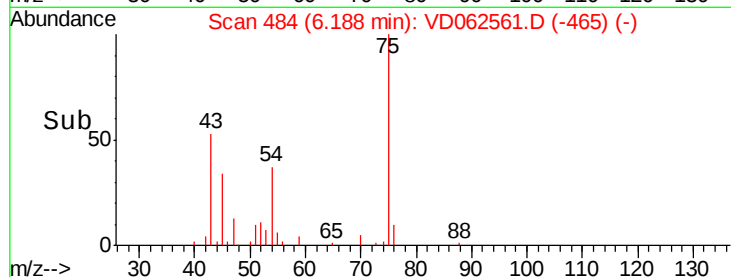
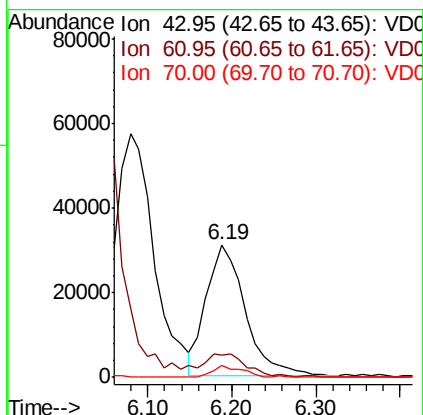
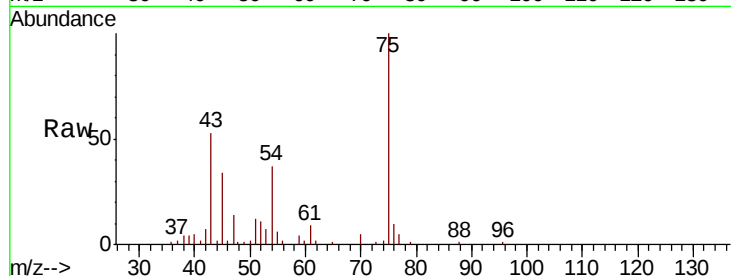




#37
Ethyl Acetate
Concen: 22.122 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

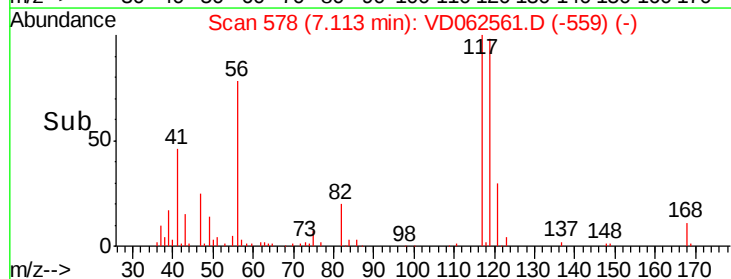
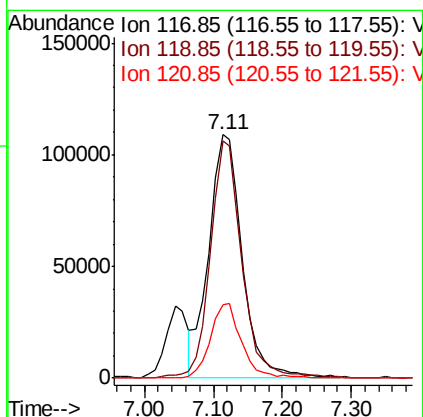
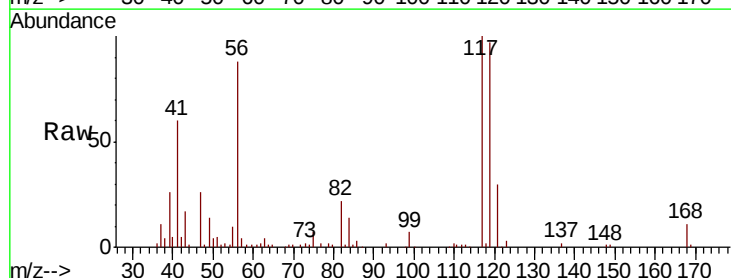
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

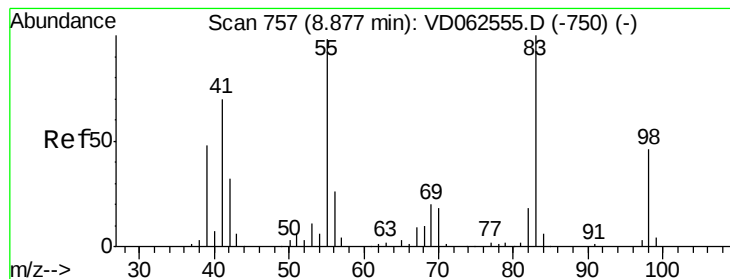
Tot Ion: 43 Resp: 98980
Ion Ratio Lower Upper
43 100
61 17.1 9.8 14.8#
70 9.0 6.5 9.7



#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

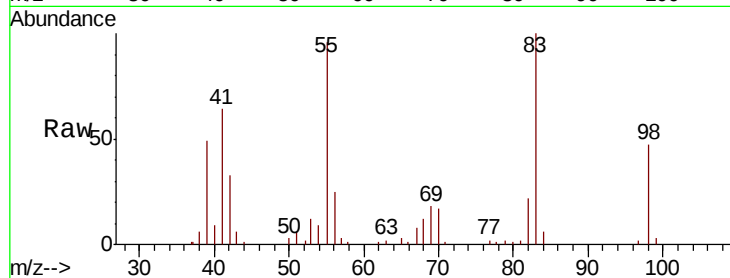
Tot Ion: 83 Resp: 176776

Ion Ratio Lower Upper

83 100

55 96.4 78.7 118.1

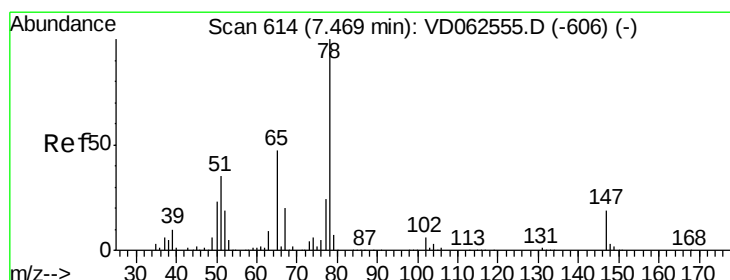
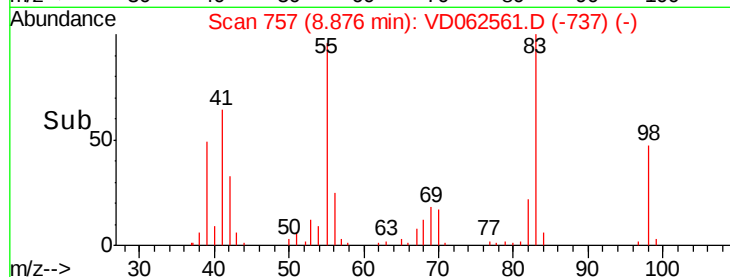
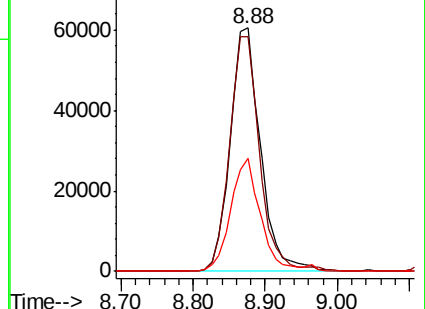
98 46.6 37.2 55.8



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

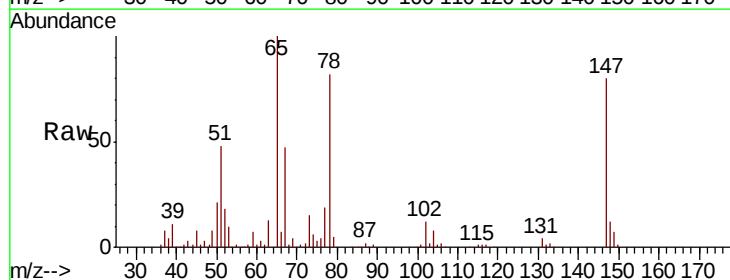
Acq: 31 May 2019 14:04

Tgt Ion: 78 Resp: 422913

Ion Ratio Lower Upper

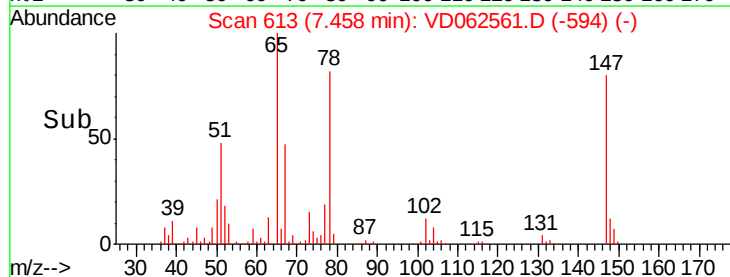
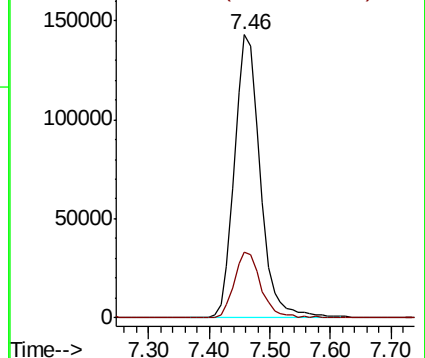
78 100

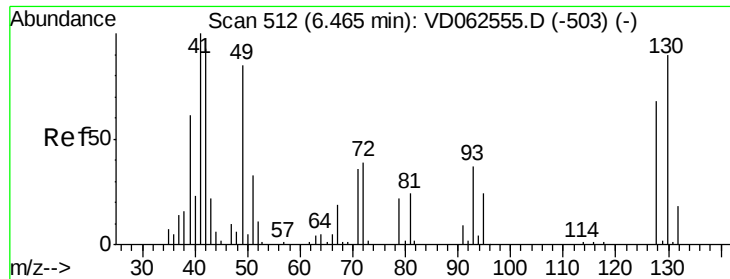
77 23.3 19.1 28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

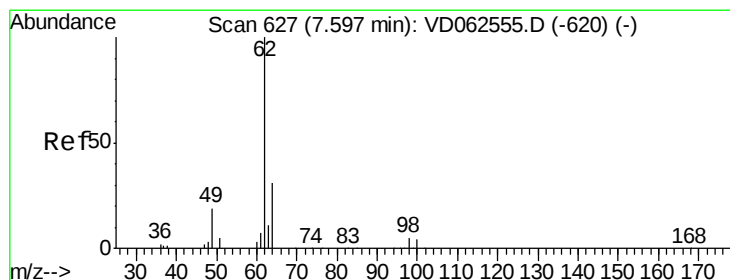
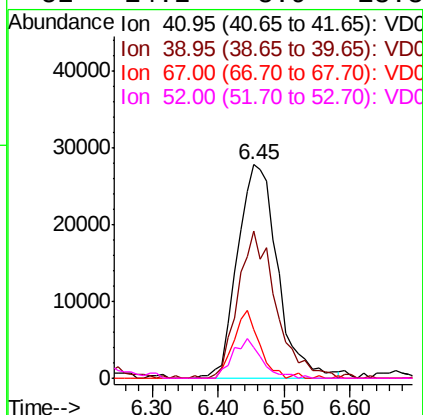
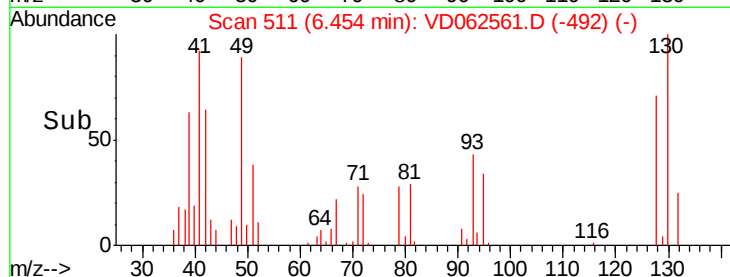
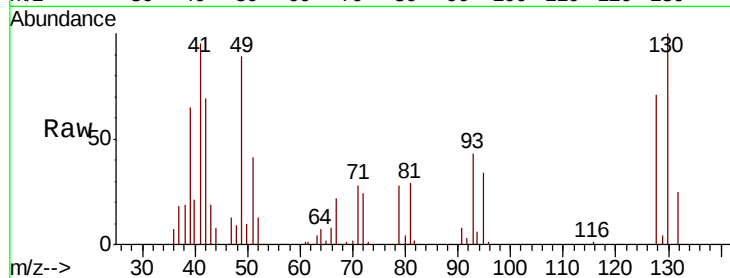




#41
Methacrylonitrile
Concen: 22.499 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

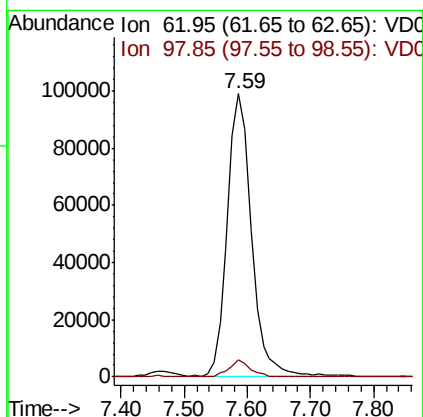
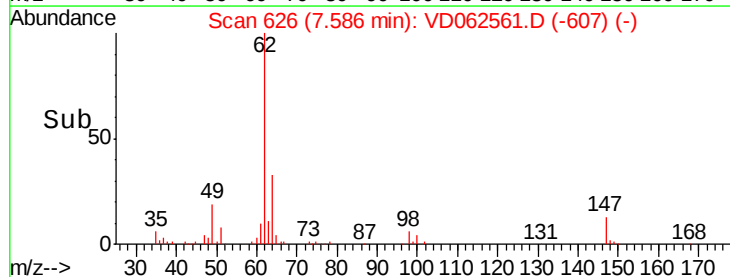
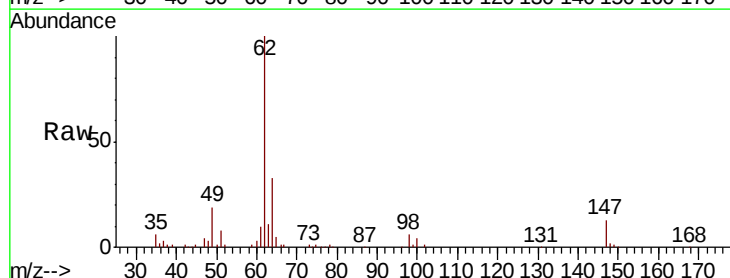
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

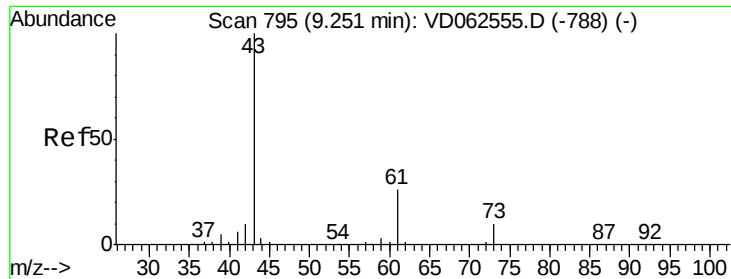
Tot Ion: 41 Resp: 118463
Ion Ratio Lower Upper
41 100
39 68.7 49.0 73.6
67 22.9 15.5 23.3
52 14.2 8.9 13.3#



#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





#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

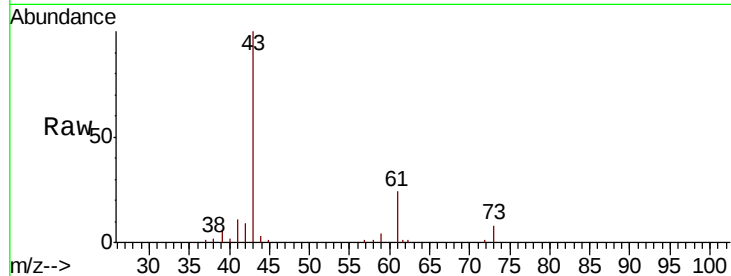
Tot Ion: 43 Resp: 124478

Ion Ratio Lower Upper

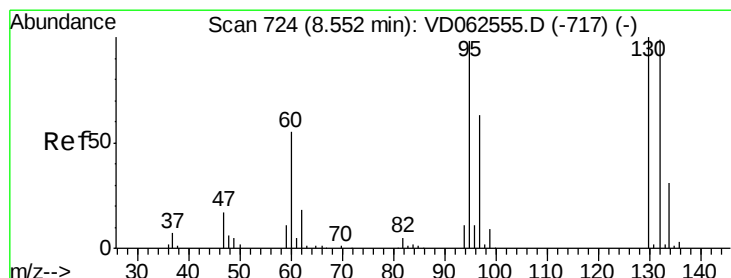
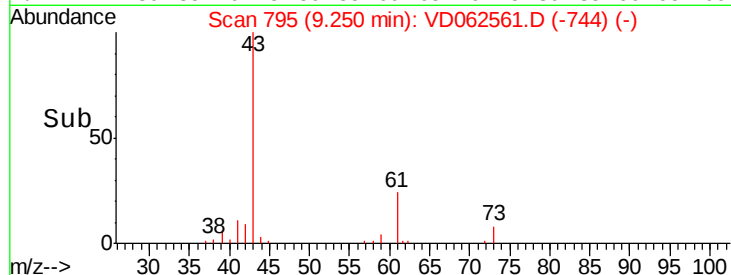
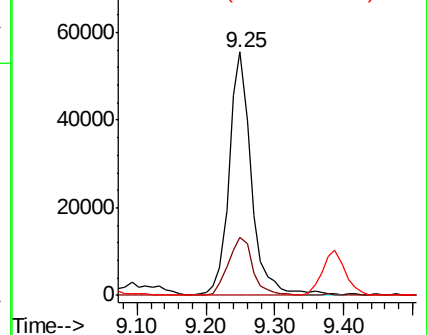
43 100

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

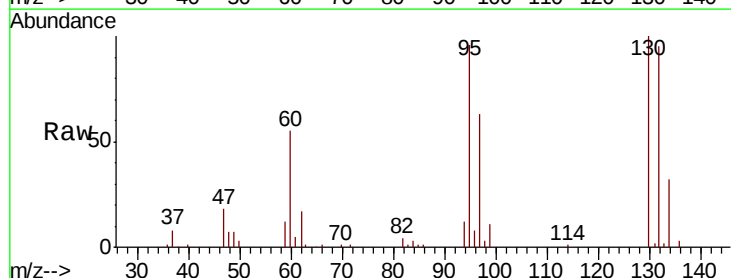
Acq: 31 May 2019 14:04

Tgt Ion:130 Resp: 169342

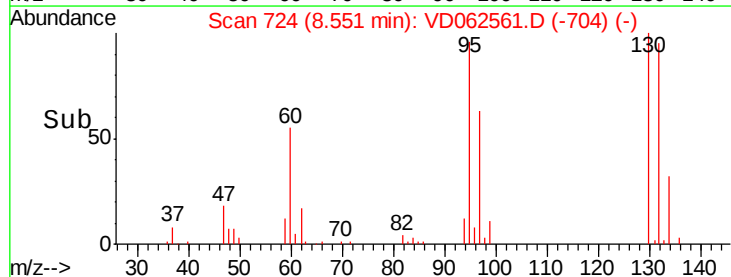
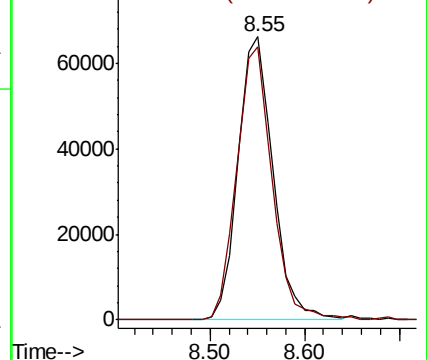
Ion Ratio Lower Upper

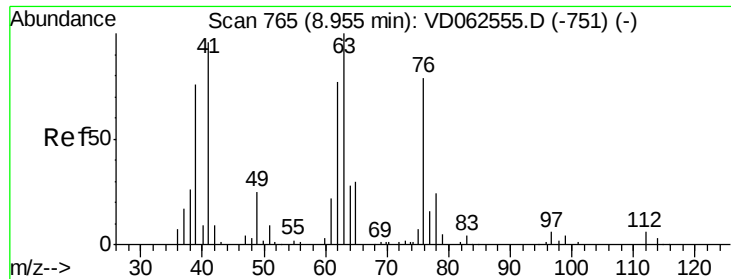
130 100

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 :

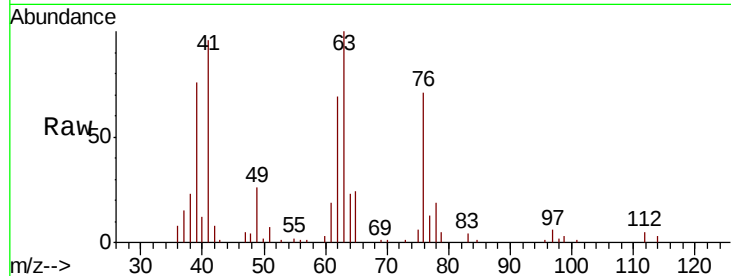
VD0531SBSD01

Tot Ion: 63 Resp: 108988

Ion Ratio Lower Upper

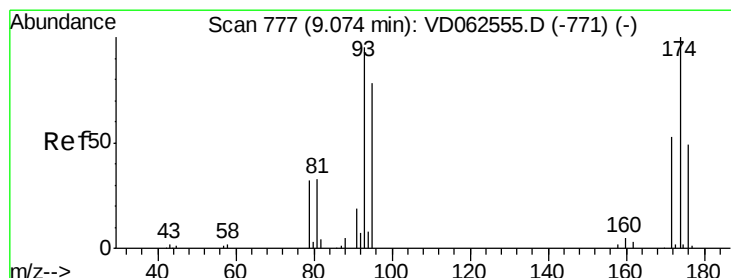
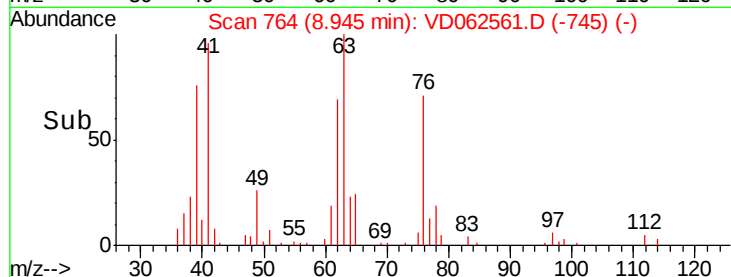
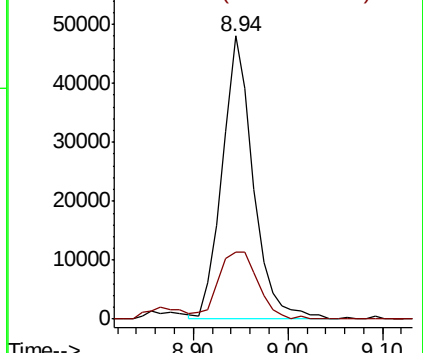
63 100

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

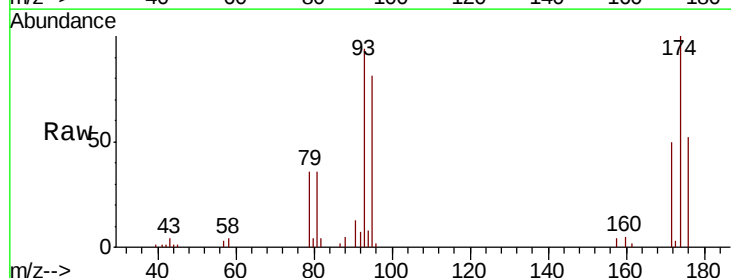
Tgt Ion: 93 Resp: 97946

Ion Ratio Lower Upper

93 100

95 85.9 66.1 99.1

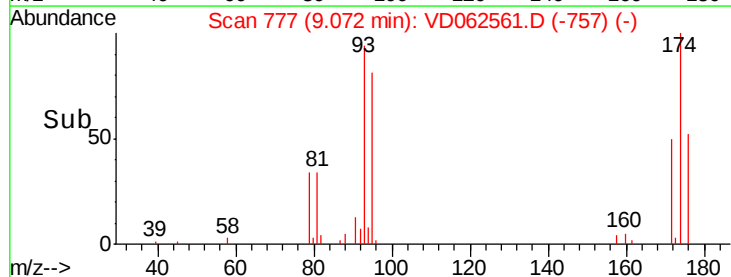
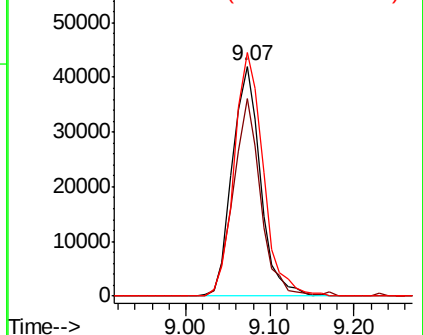
174 105.8 84.2 126.4

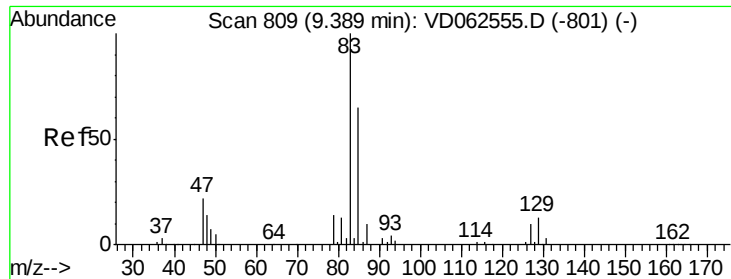


Abundance Ion 92.90 (92.60 to 93.60): VDC

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

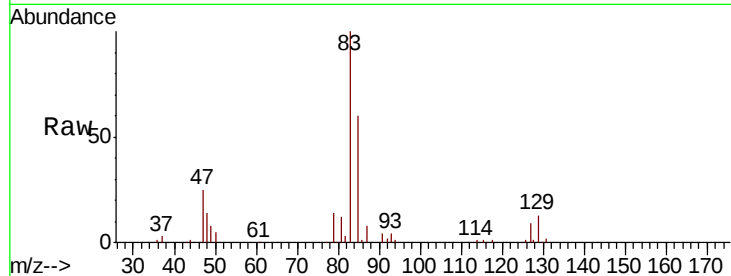
Tot Ion: 83 Resp: 263179

Ion Ratio Lower Upper

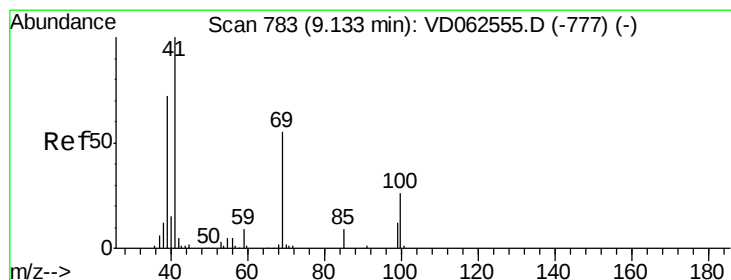
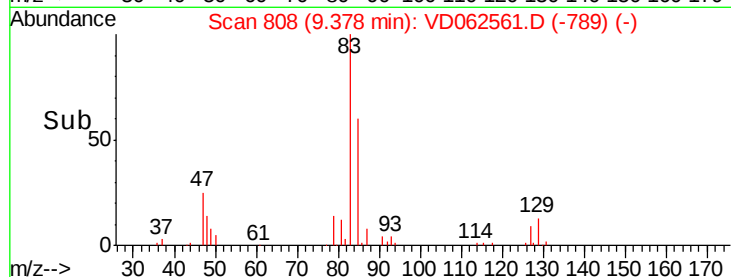
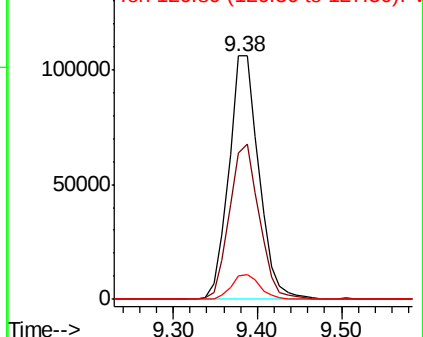
83 100

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

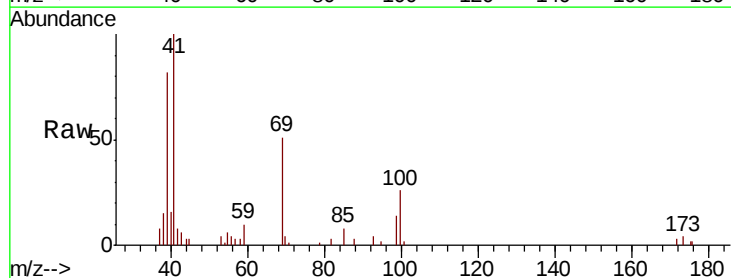
Tgt Ion: 41 Resp: 89662

Ion Ratio Lower Upper

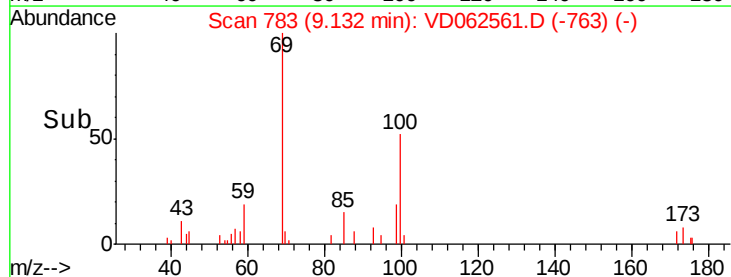
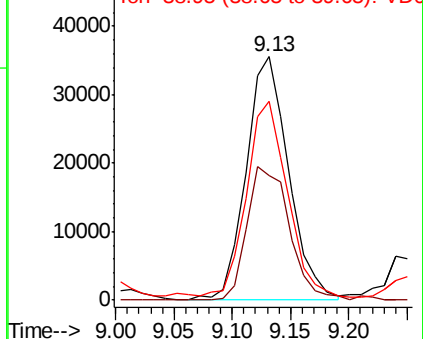
41 100

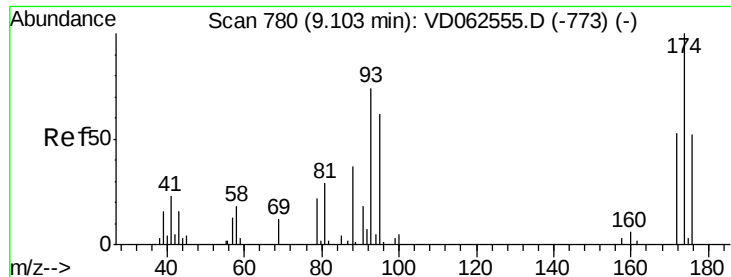
69 51.2 43.6 65.4

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

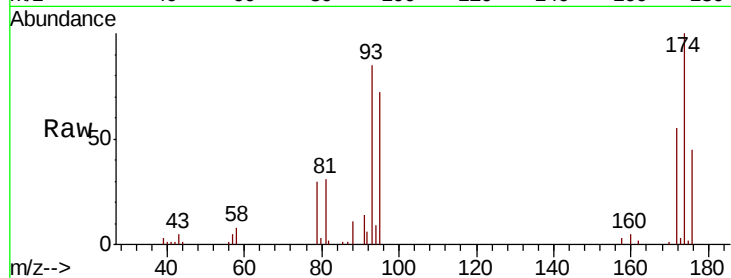




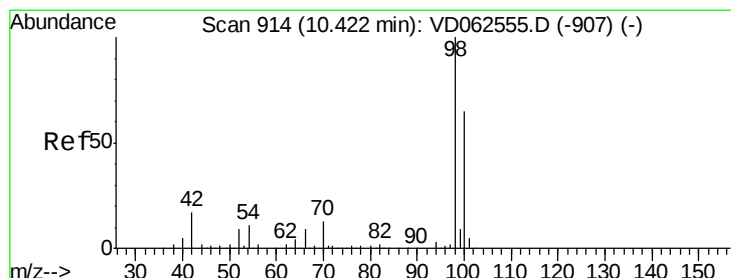
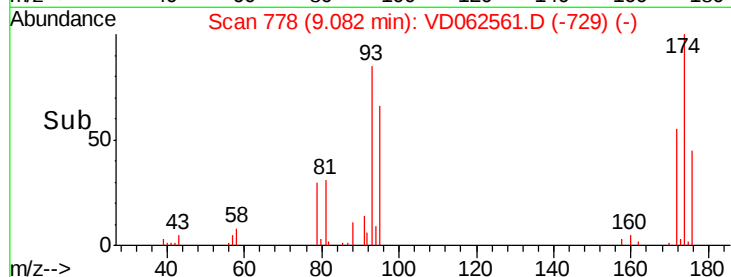
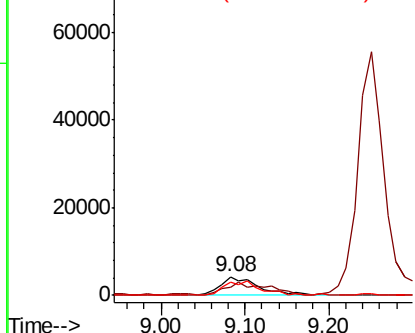
#49
 1,4-Dioxane
 Concen: 441.867 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. -0.02 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBSD01

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#

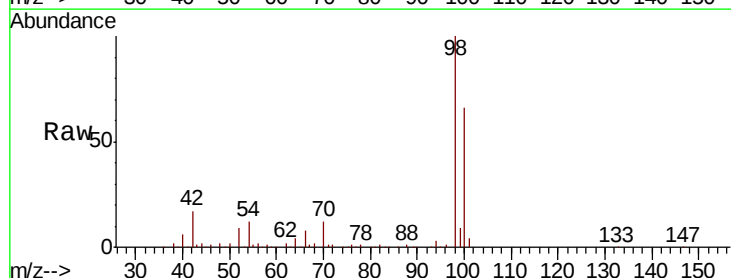


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

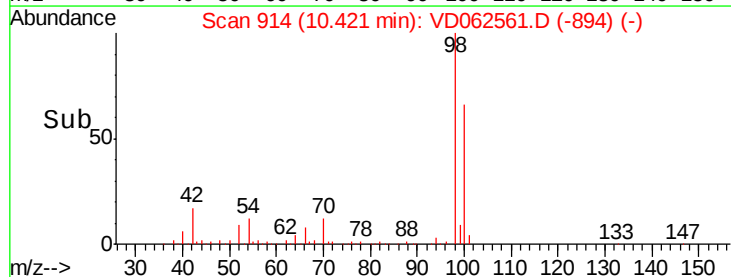
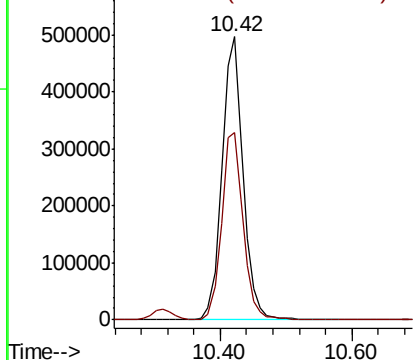


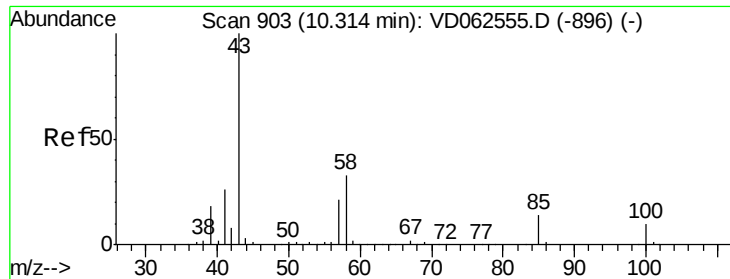
#50
 Toluene-d8
 Concen: 52.032 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

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 :

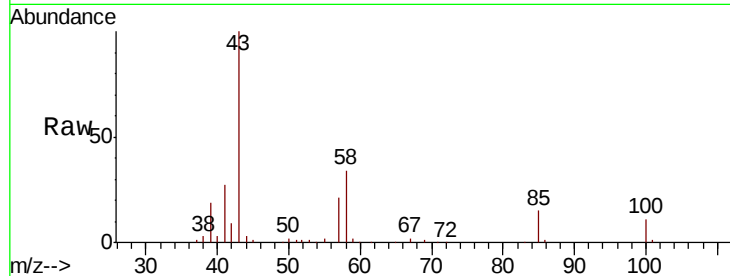
VD0531SBS01

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

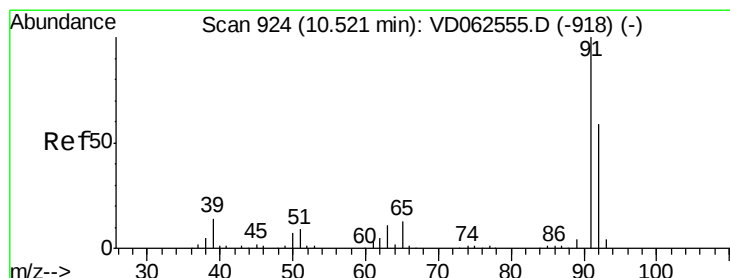
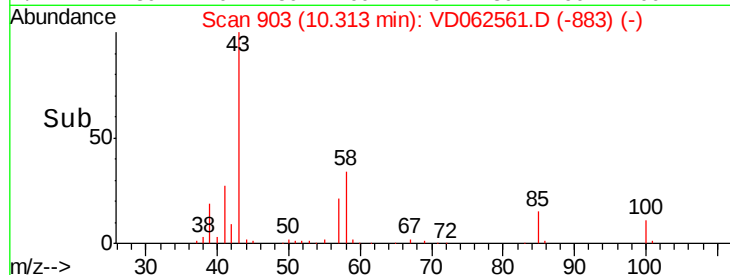
150000

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

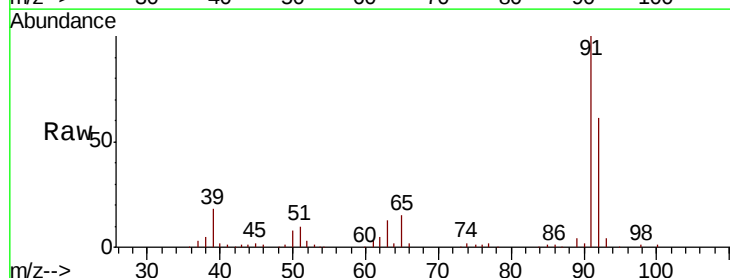
Acq: 31 May 2019 14:04

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

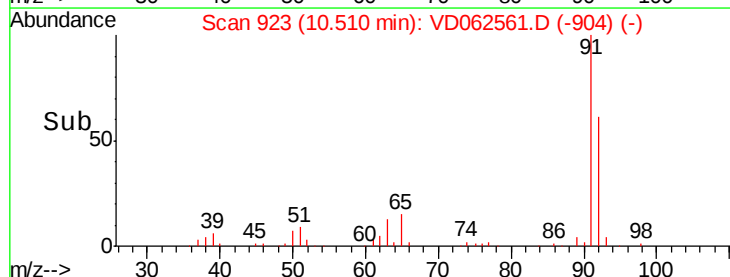
150000

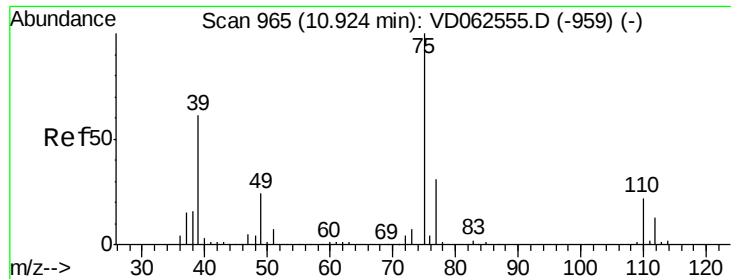
100000

50000

0

Time-->

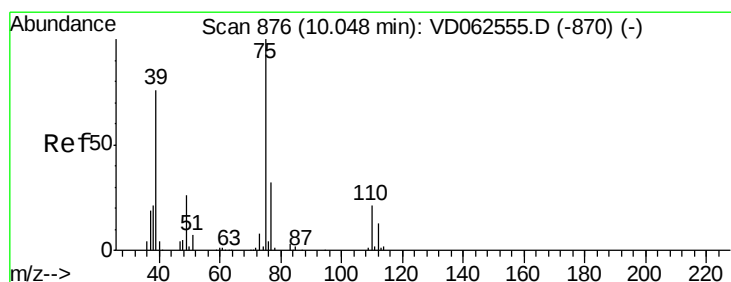
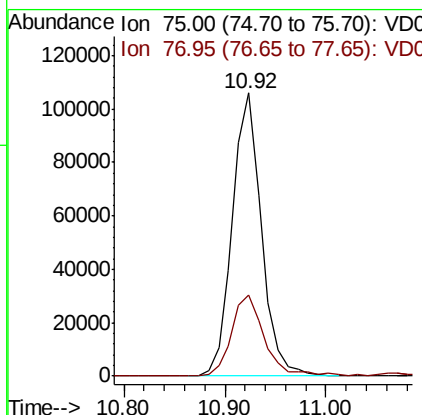
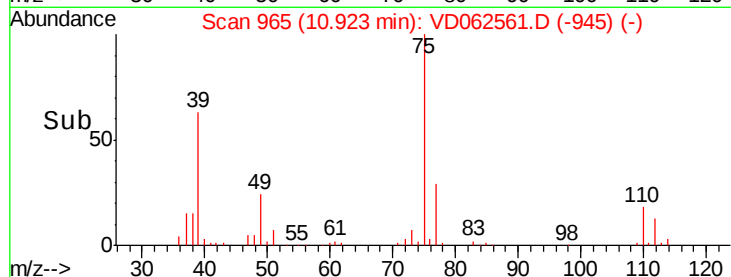
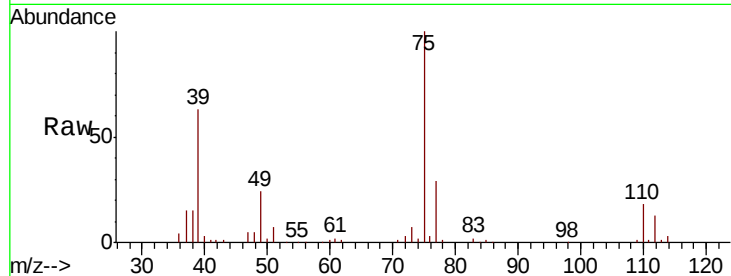




#53
 t-1,3-Dichloropropene
 Concen: 21.221 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

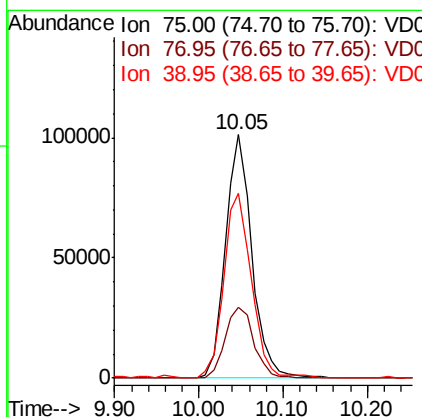
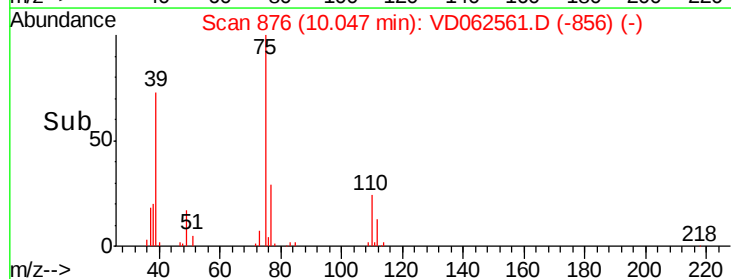
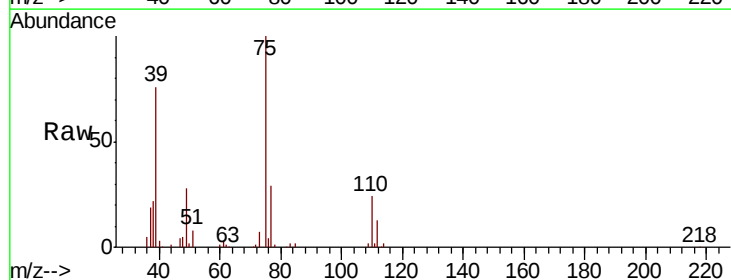
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBSD01

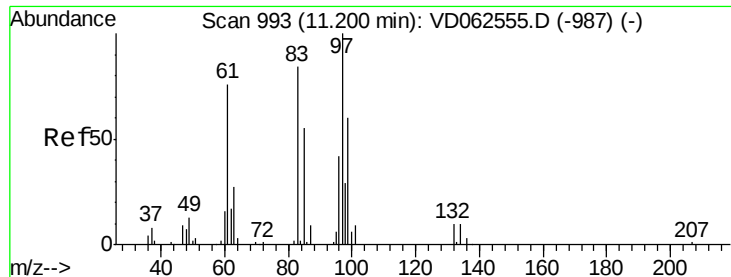
Tot Ion: 75 Resp: 211909
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.5 36.7



#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

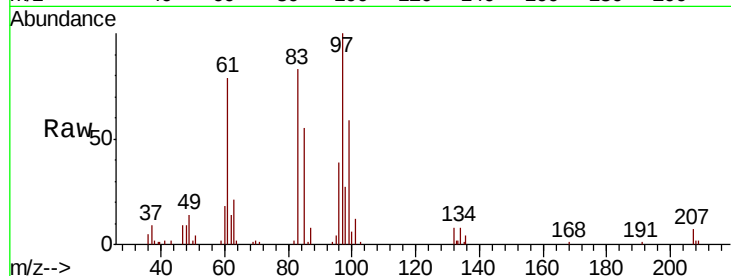
Ion Ratio Lower Upper

97 100

83 82.8 67.3 100.9

85 54.9 43.8 65.8

99 58.5 48.2 72.2

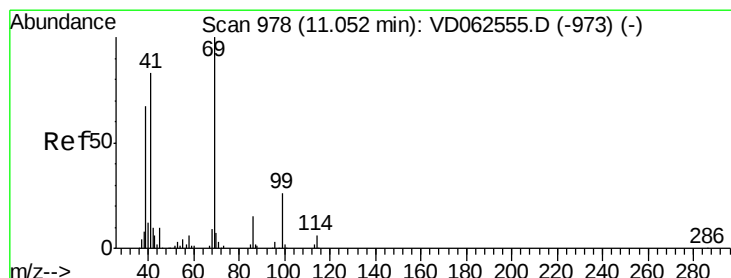
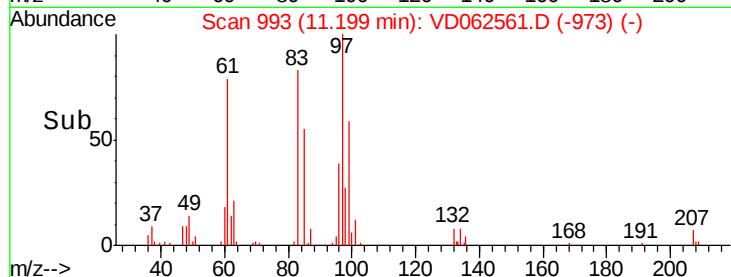
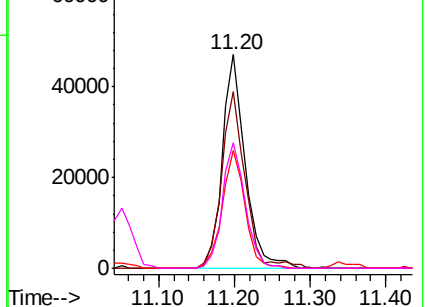


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

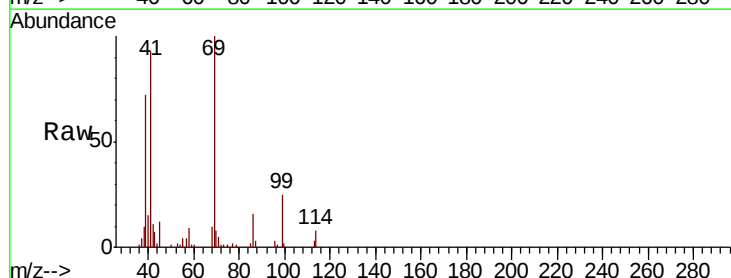
Tgt Ion: 69 Resp: 111939

Ion Ratio Lower Upper

69 100

41 93.1 66.1 99.1

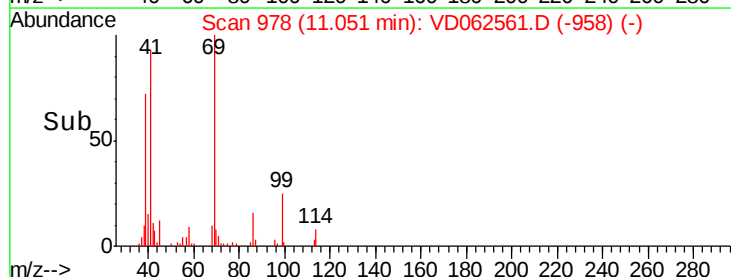
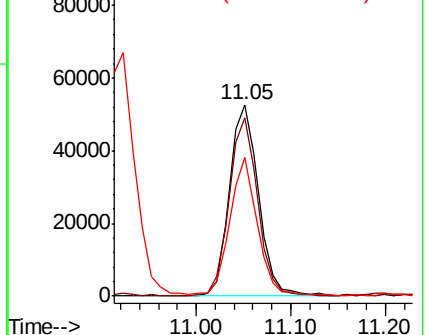
39 72.2 54.2 81.2

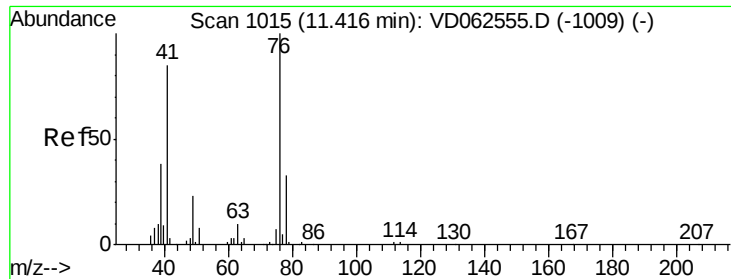


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

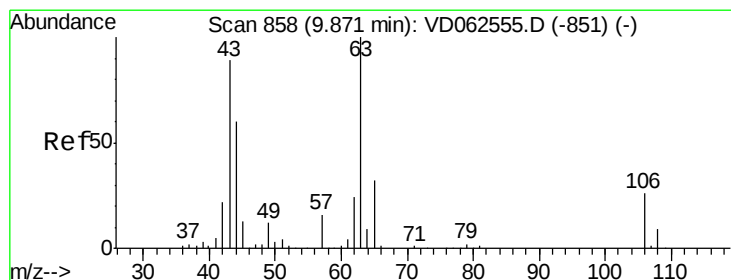
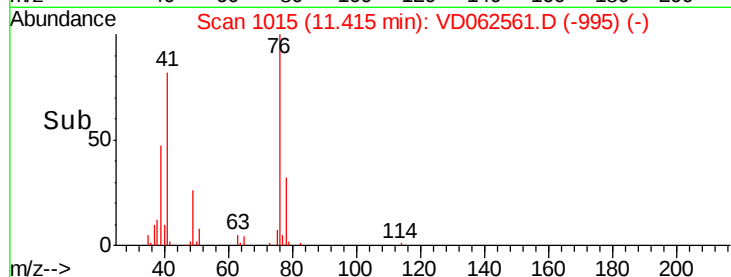
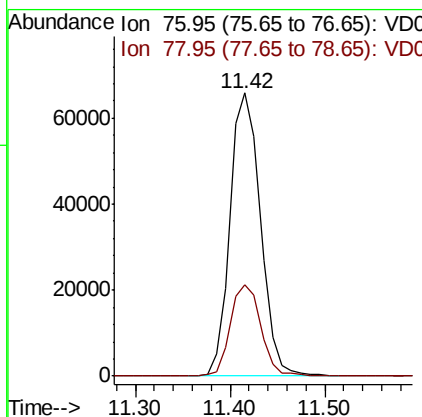
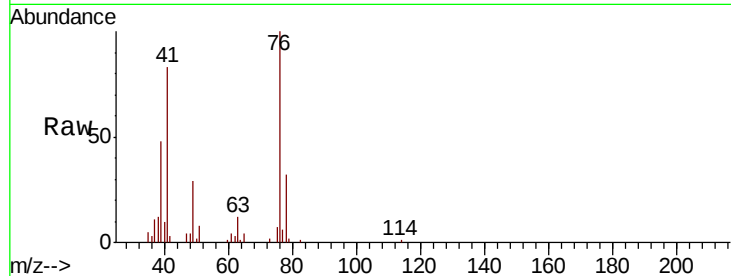




#57
 1,3-Dichloropropane
 Concen: 20.325 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

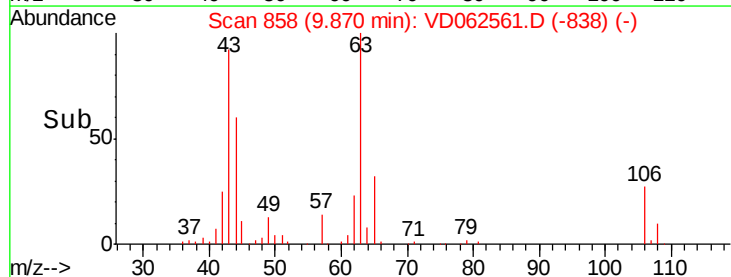
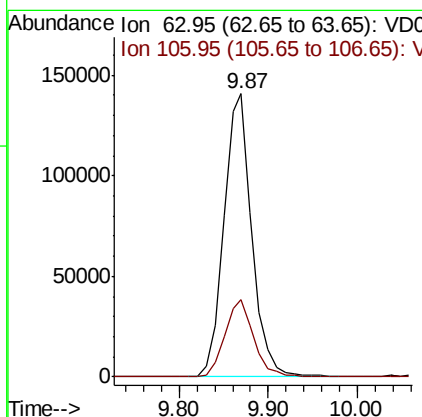
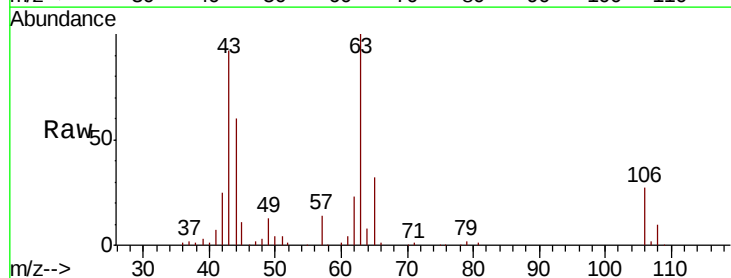
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

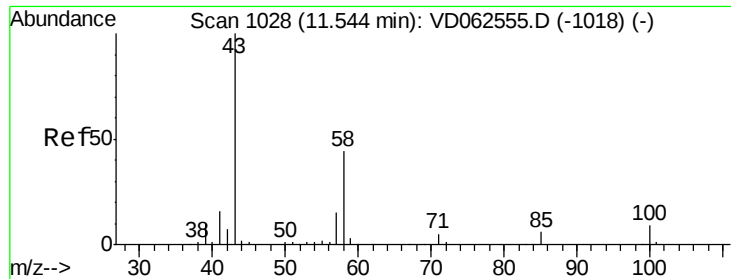
Tot Ion: 76 Resp: 146162
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.7 40.1



#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

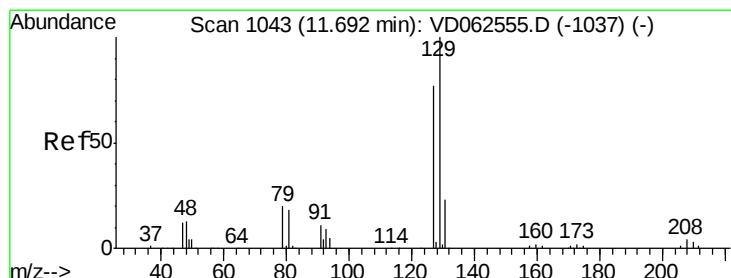
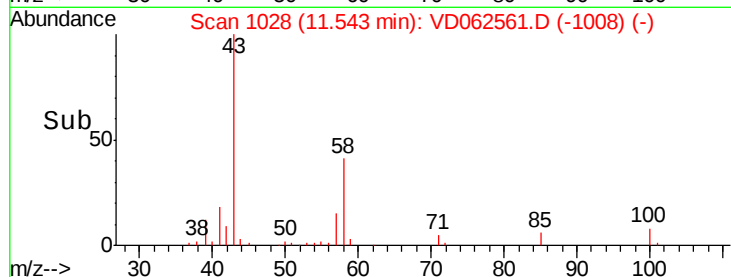
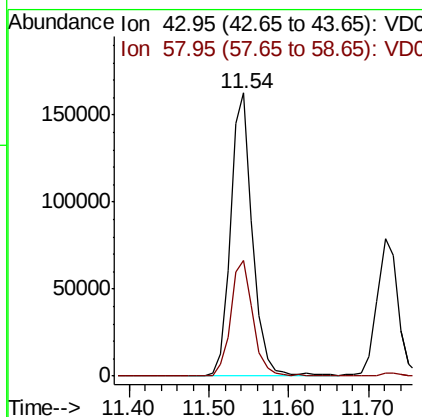
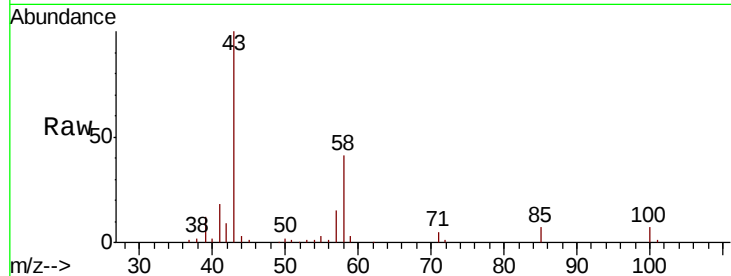




#59
2-Hexanone
Concen: 114.884 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

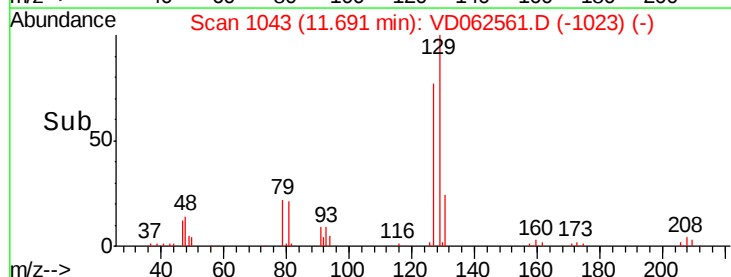
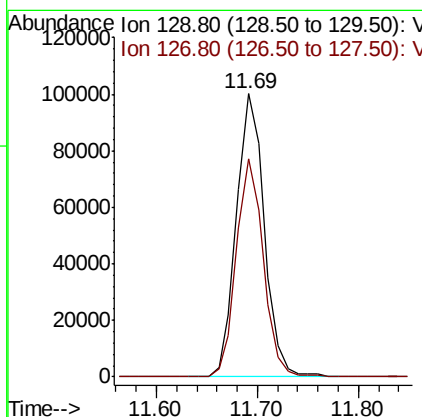
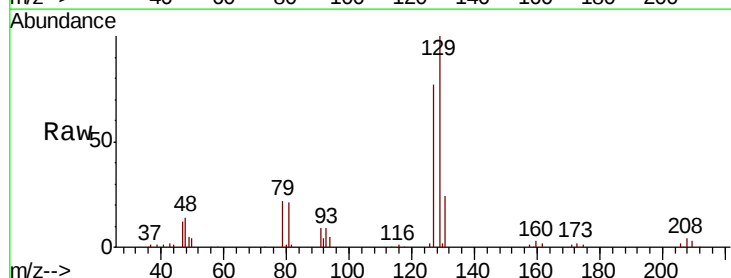
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

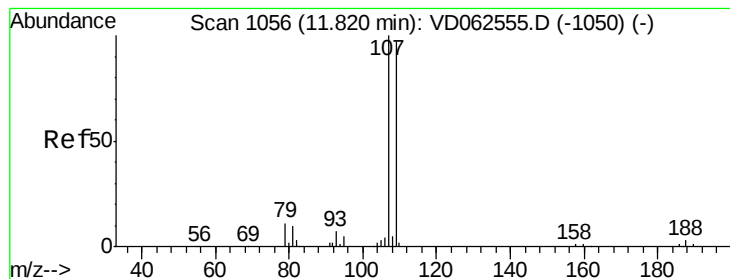
Tot Ion: 43 Resp: 313079
Ion Ratio Lower Upper
43 100
58 40.7 22.0 66.0



#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 :

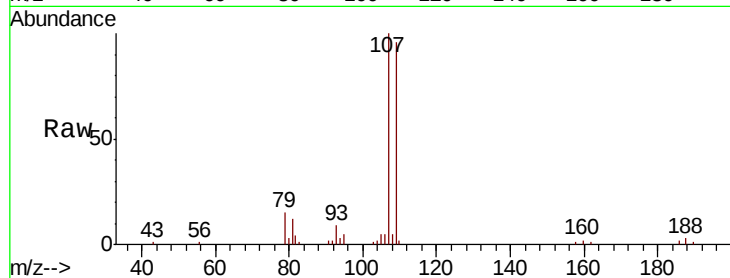
VD0531SBSD01

Tot Ion:107 Resp: 115942

Ion Ratio Lower Upper

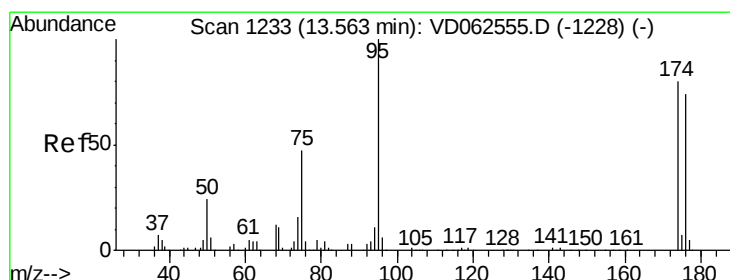
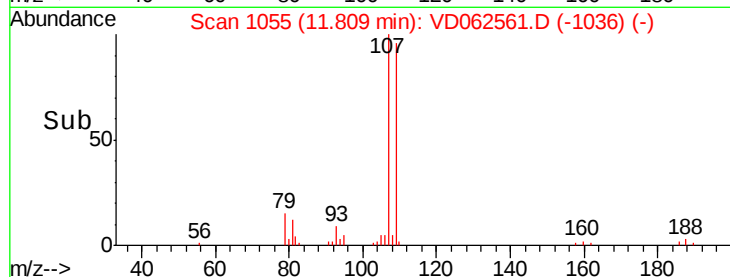
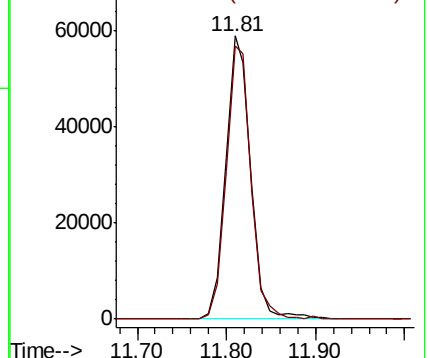
107 100

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

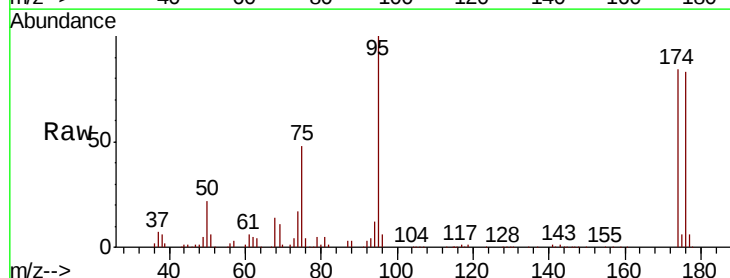
Tgt Ion: 95 Resp: 488847

Ion Ratio Lower Upper

95 100

174 83.5 0.0 160.2

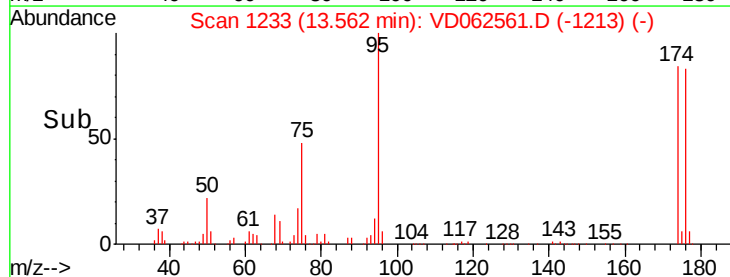
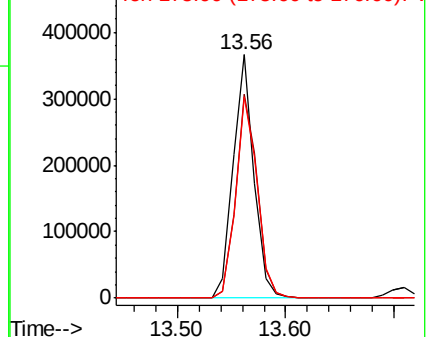
176 82.9 0.0 148.0

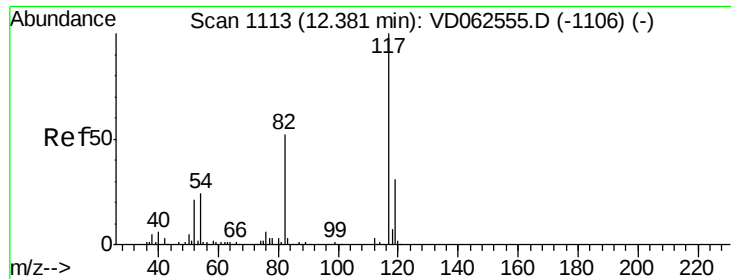


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

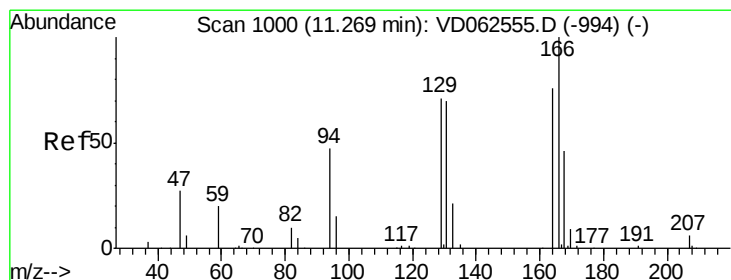
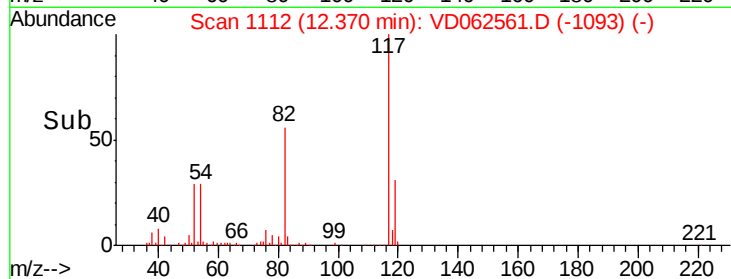
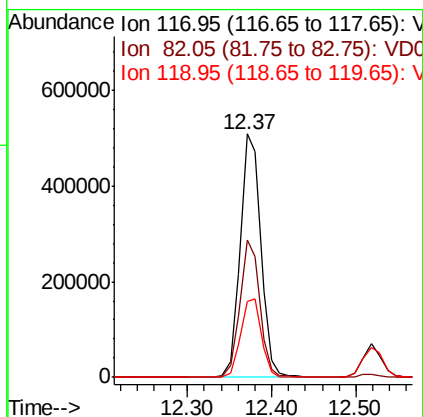
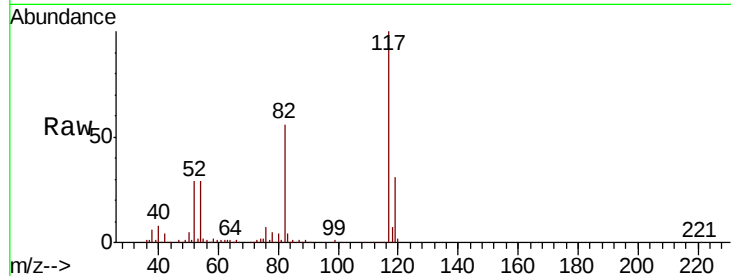




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

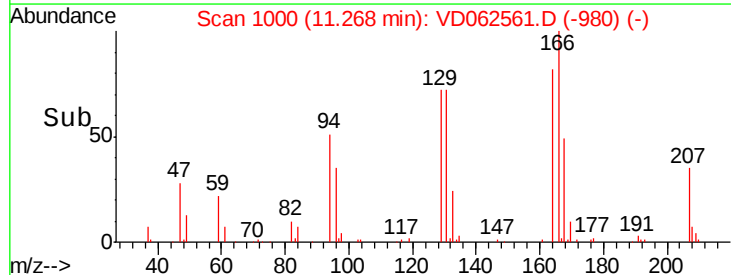
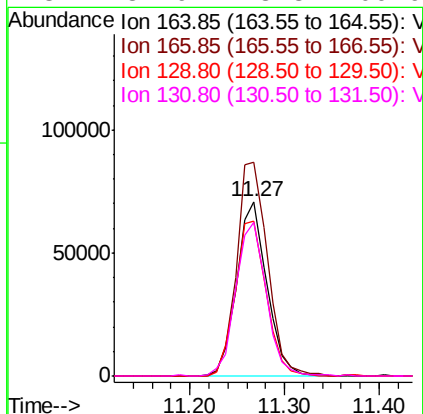
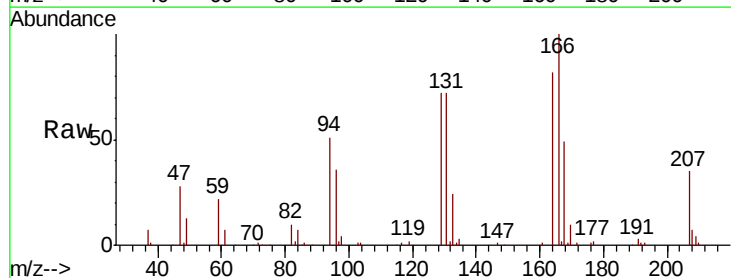
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

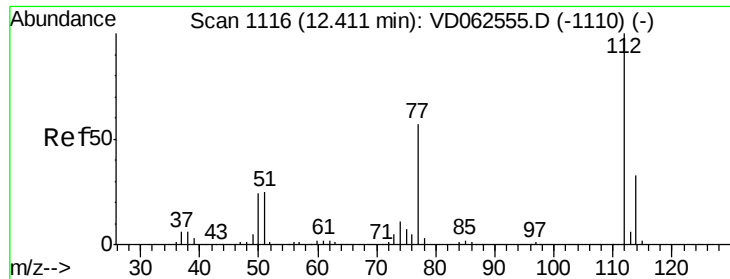
Tot Ion:117 Resp: 870672
Ion Ratio Lower Upper
117 100
82 56.3 41.4 62.2
119 31.2 24.9 37.3



#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

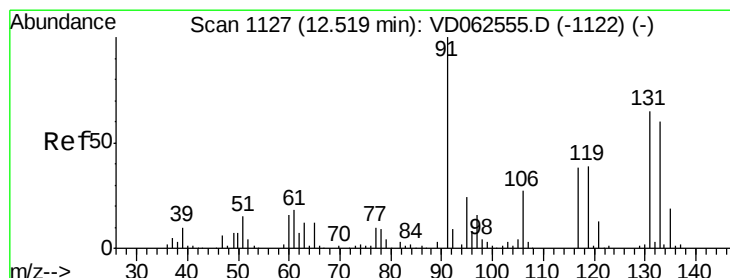
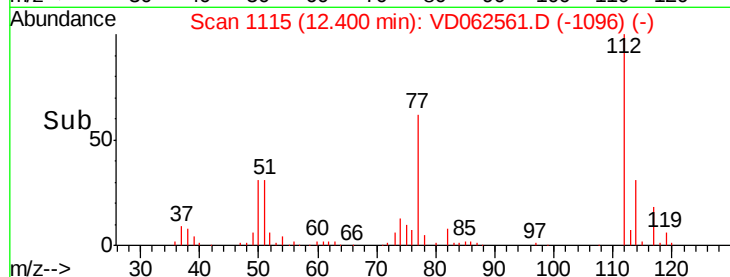
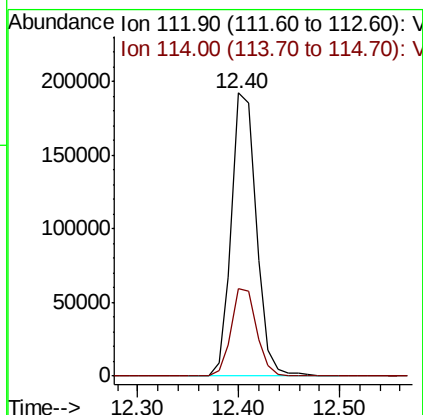
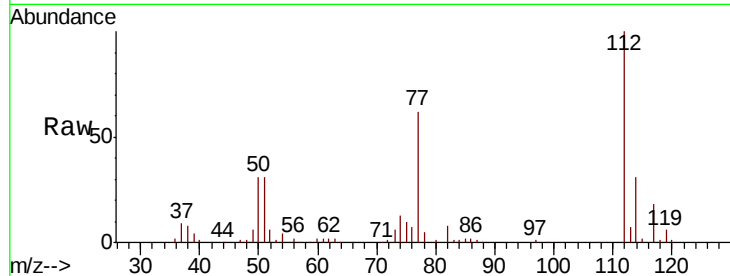




#65
Chlorobenzene
Concen: 19.524 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

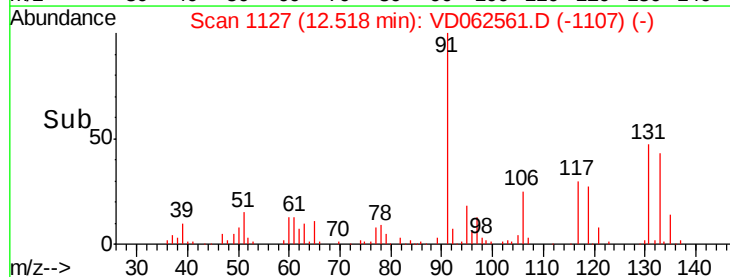
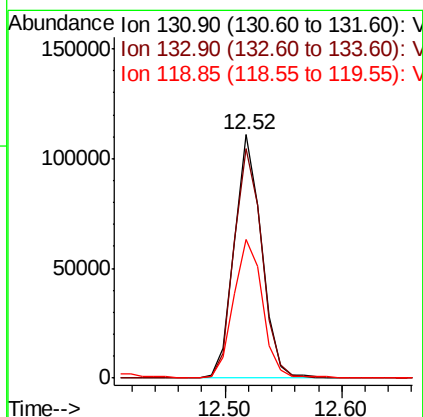
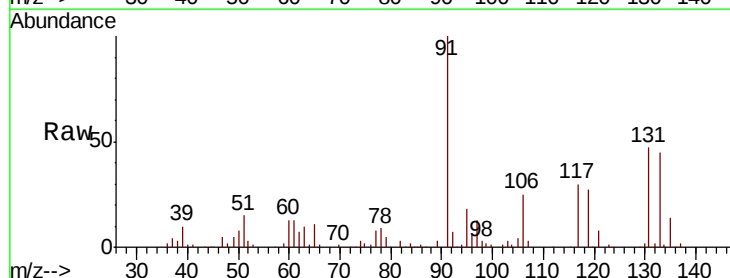
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

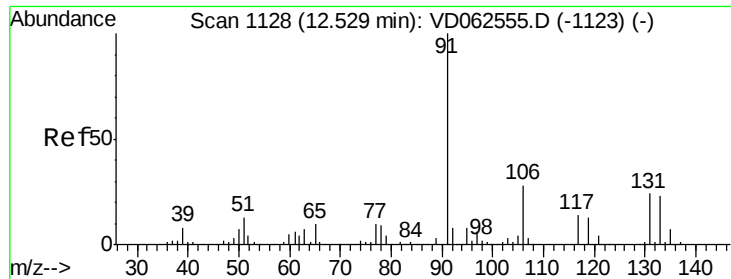
Tot Ion:112 Resp: 331164
Ion Ratio Lower Upper
112 100
114 31.0 26.6 39.8



#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

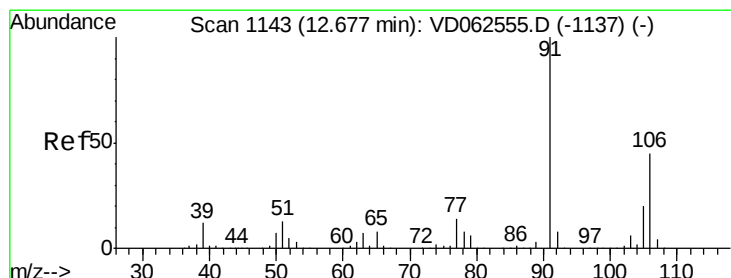
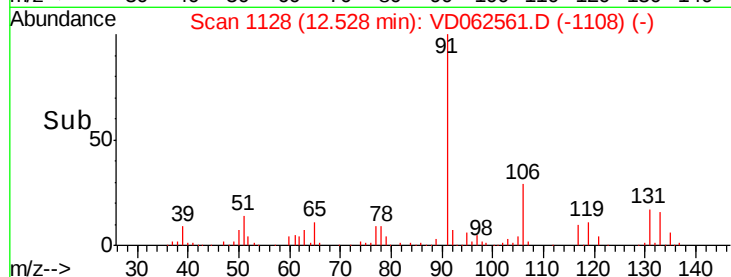
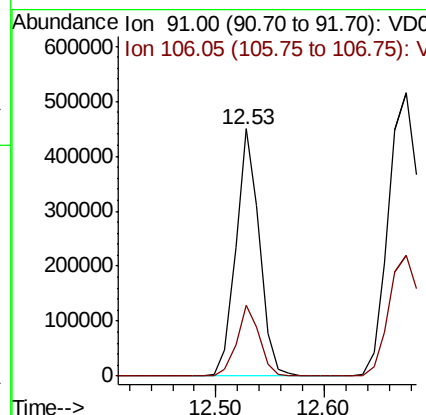
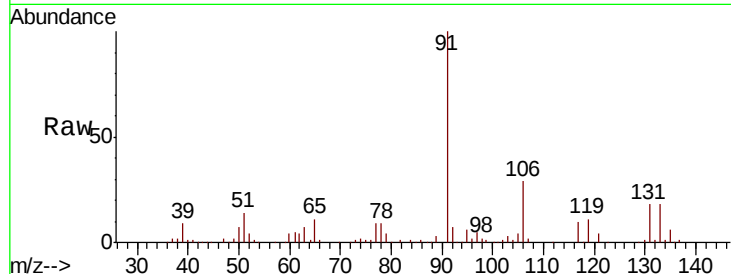




#67
Ethyl Benzene
Concen: 21.778 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

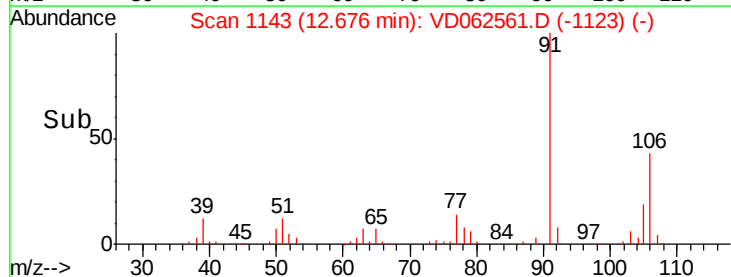
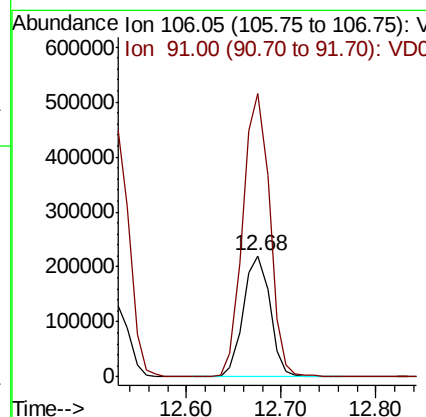
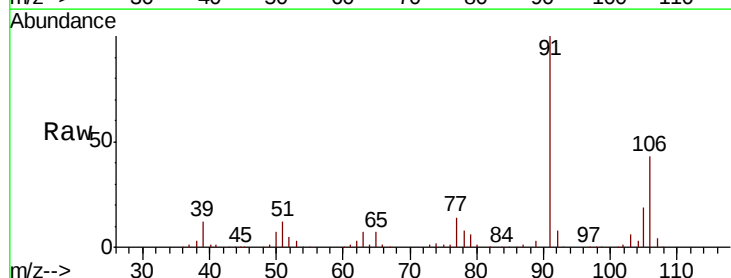
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBS01

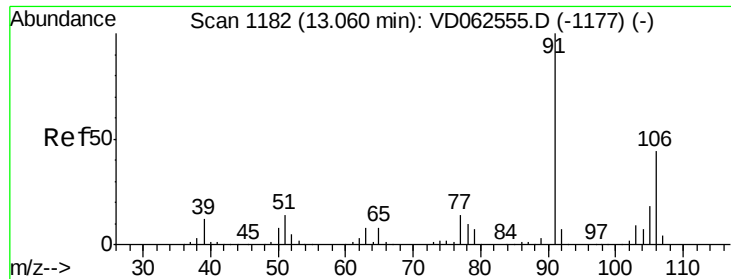
Tot Ion: 91 Resp: 676799
Ion Ratio Lower Upper
91 100
106 28.6 22.2 33.2



#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

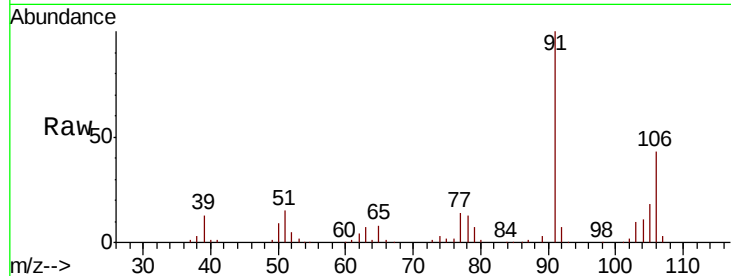




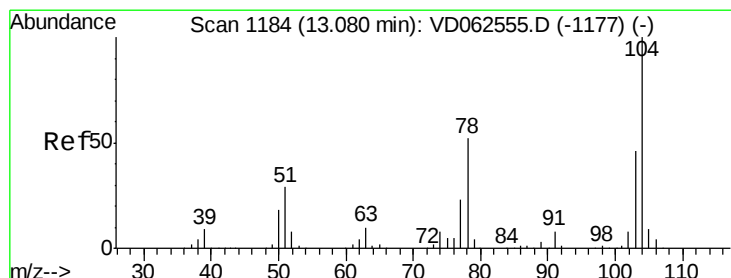
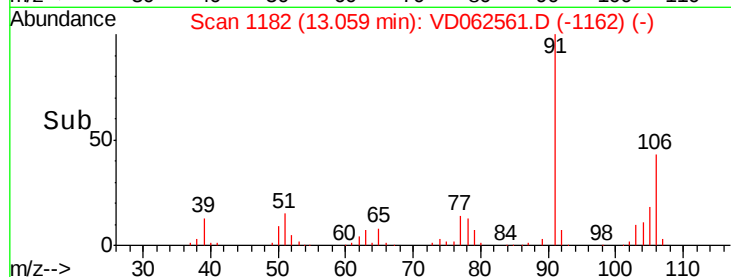
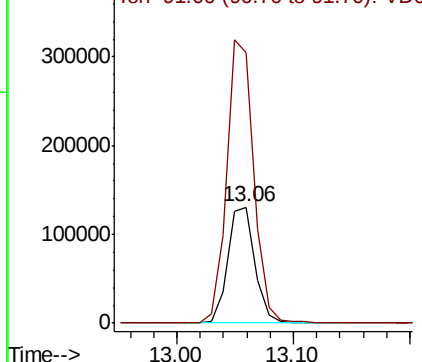
#69
o-Xylene
Concen: 20.407 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

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

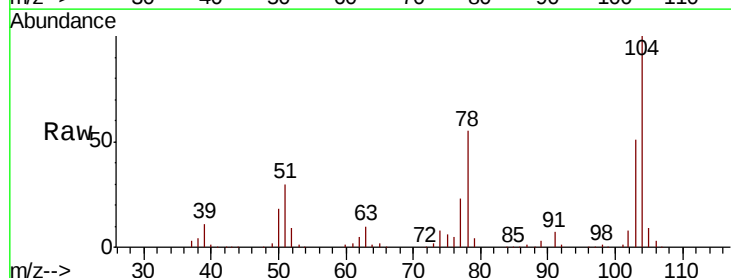


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

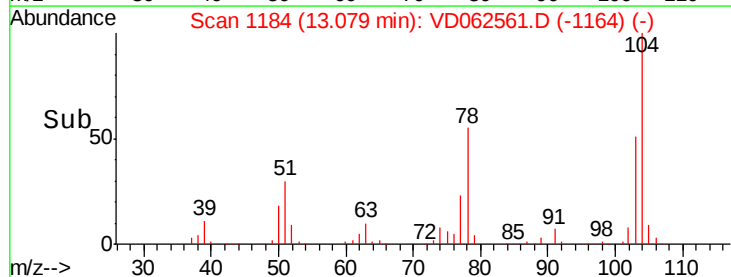
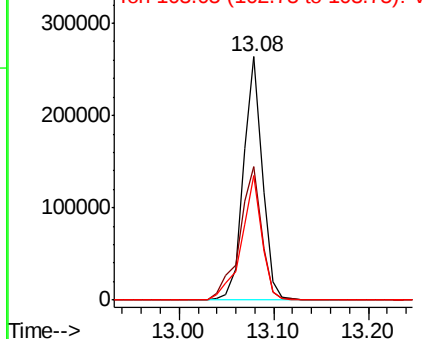


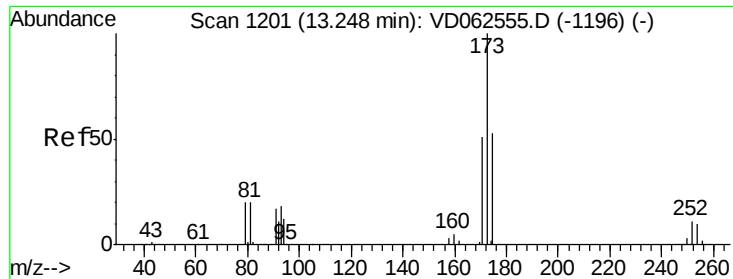
#70
Styrene
Concen: 20.836 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

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

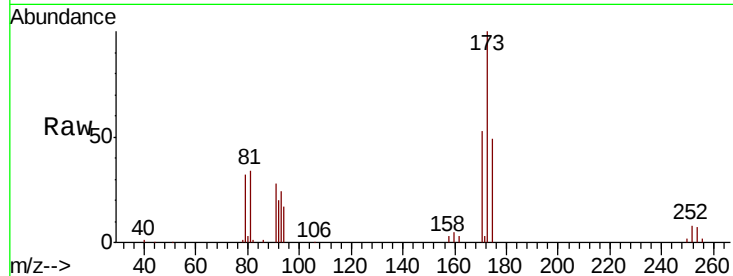
Tot Ion:173 Resp: 112141

Ion Ratio Lower Upper

173 100

175 49.3 26.6 79.7

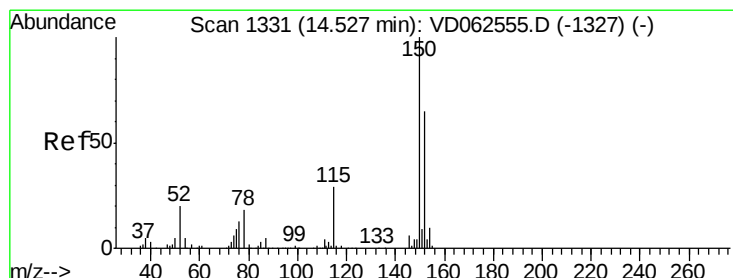
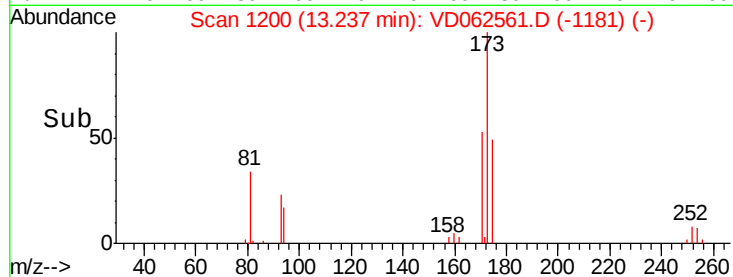
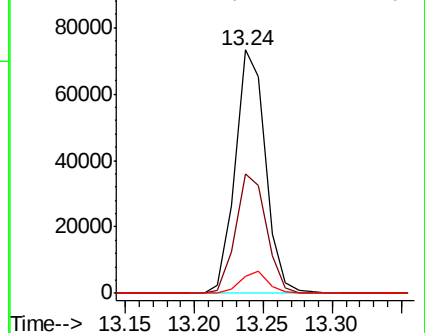
254 6.9 8.1 12.1#



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

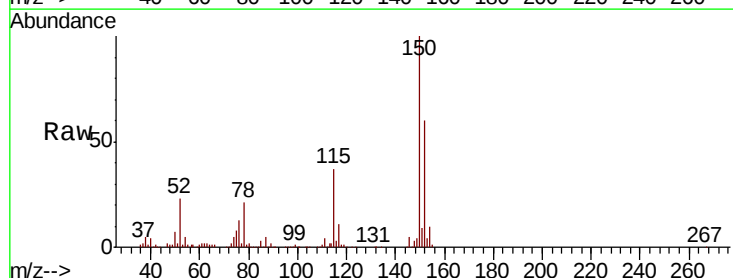
Tgt Ion:152 Resp: 496842

Ion Ratio Lower Upper

152 100

115 61.2 28.4 85.3

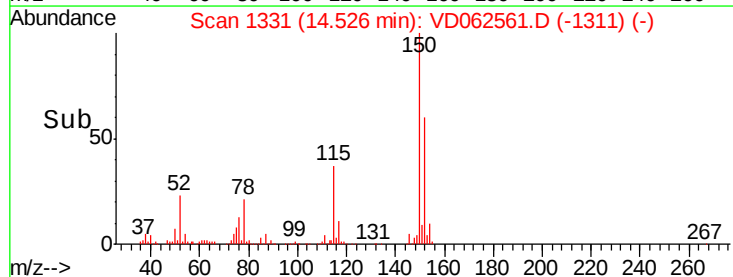
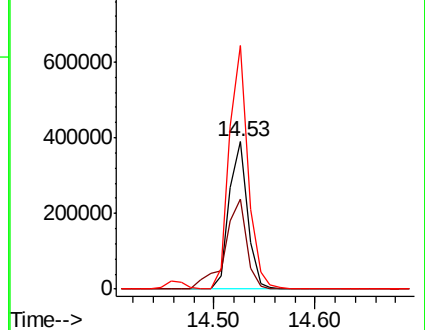
150 165.6 0.0 310.4

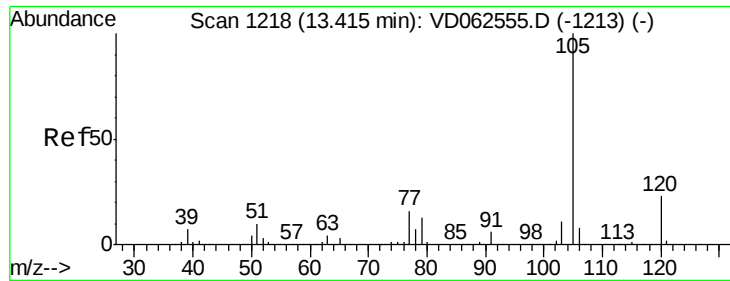


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

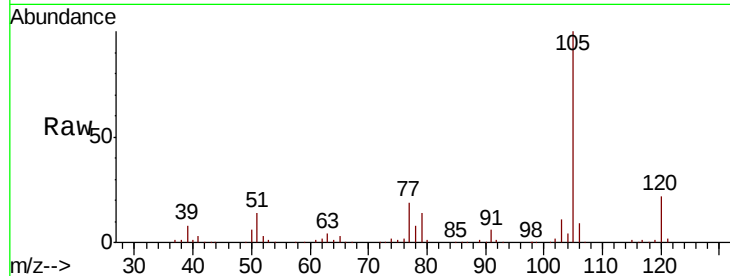
VD0531SBSD01

Tot Ion:105 Resp: 646830

Ion Ratio Lower Upper

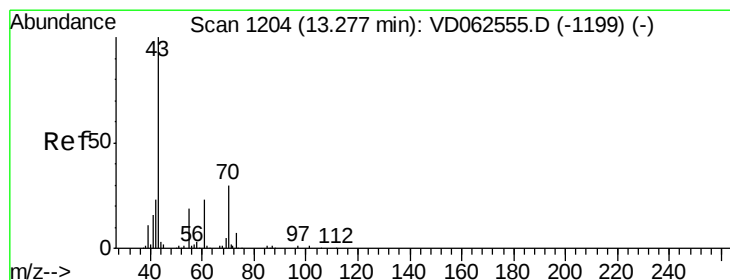
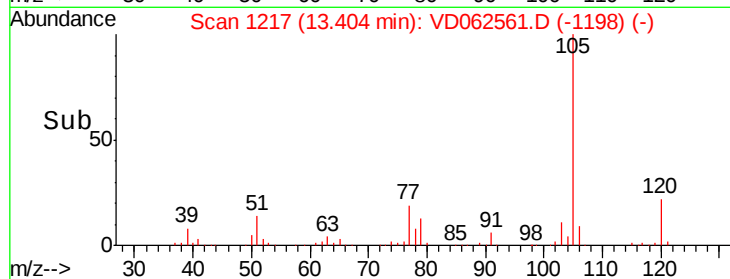
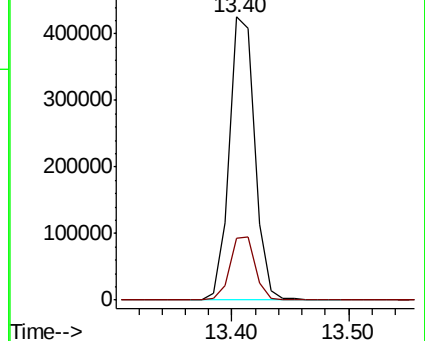
105 100

120 21.8 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#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

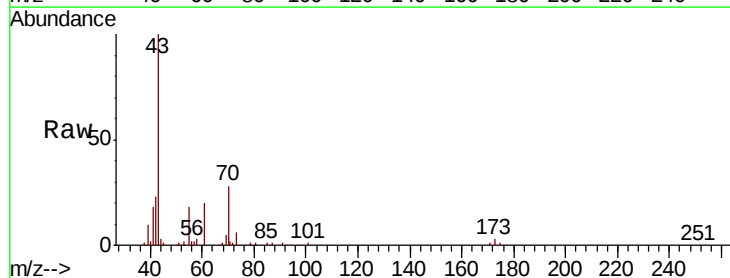
Ion Ratio Lower Upper

43 100

70 27.7 23.7 35.5

55 17.7 15.0 22.4

61 19.5 18.4 27.6

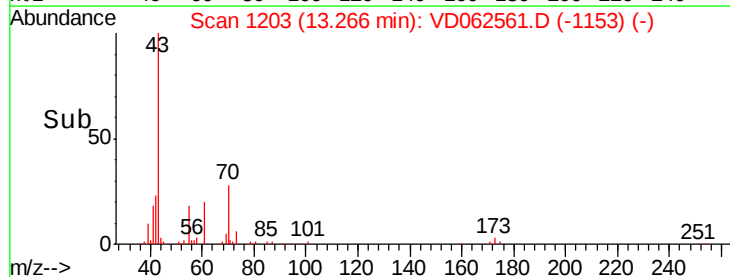
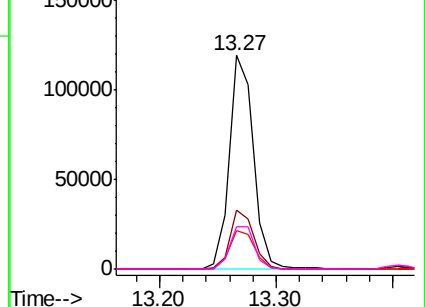


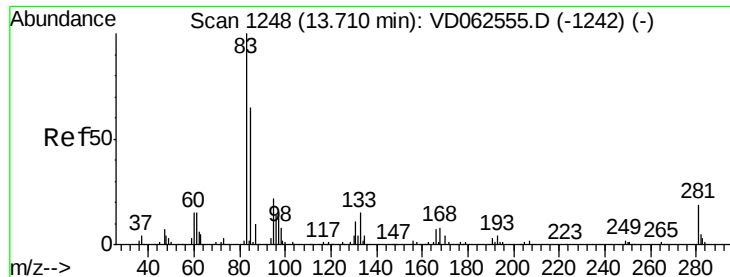
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#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

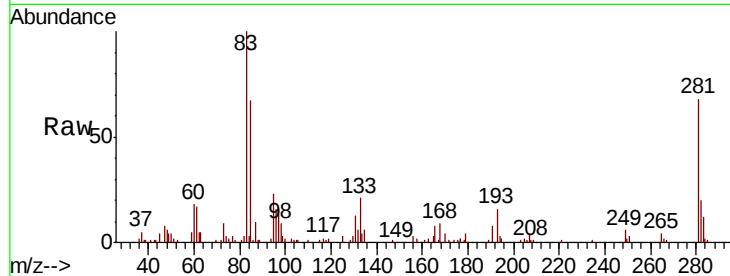
Tot Ion: 83 Resp: 104797

Ion Ratio Lower Upper

83 100

131 12.6 5.7 17.1

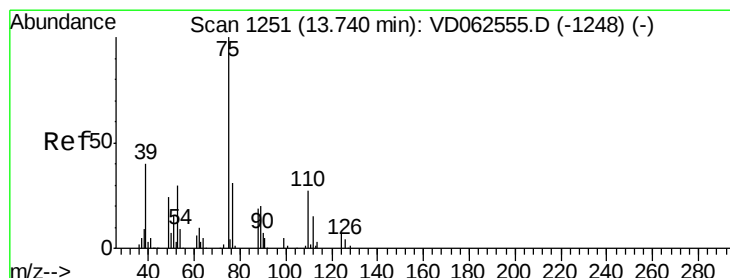
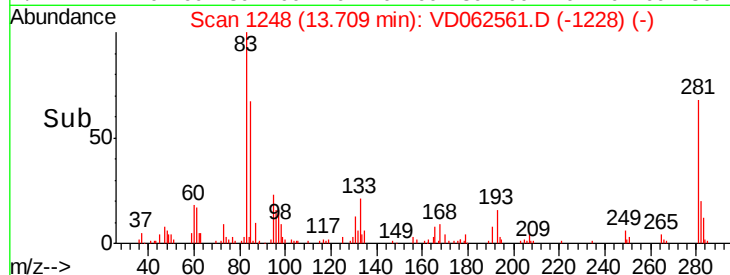
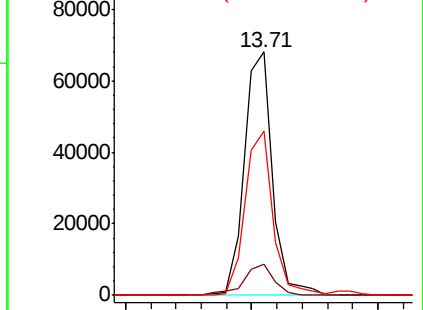
85 67.3 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.123 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062561.D

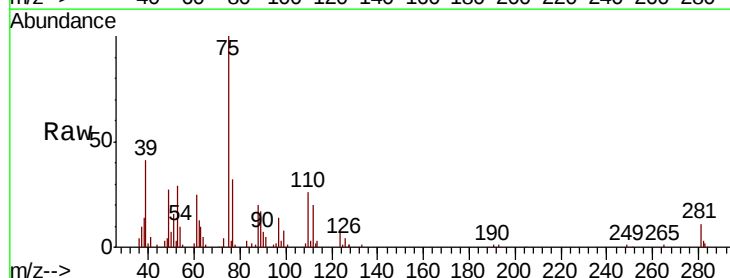
Acq: 31 May 2019 14:04

Tgt Ion: 75 Resp: 125907

Ion Ratio Lower Upper

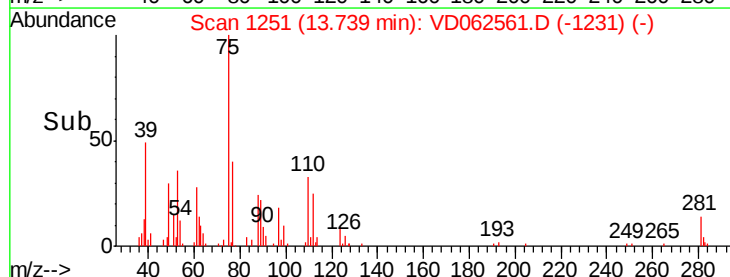
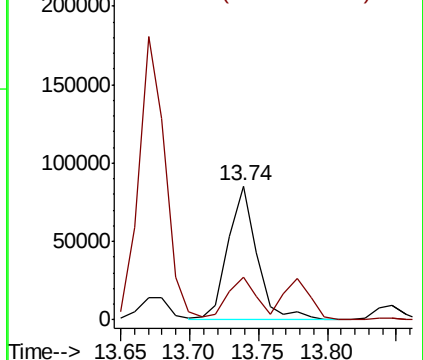
75 100

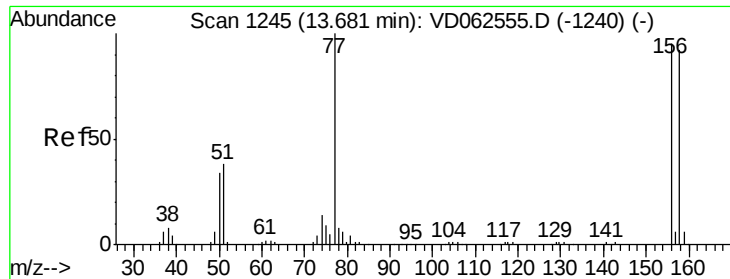
77 31.7 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#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 :

VD0531SBSD01

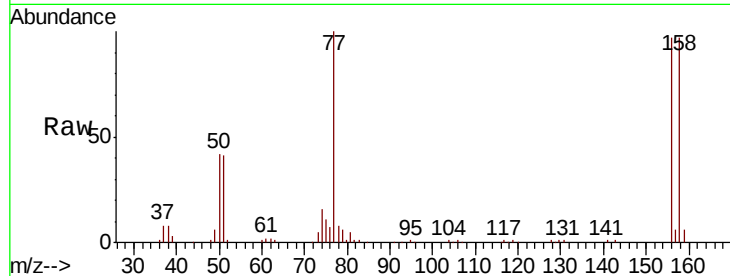
Tot Ion:156 Resp: 186201

Ion Ratio Lower Upper

156 100

77 103.3 52.9 158.7

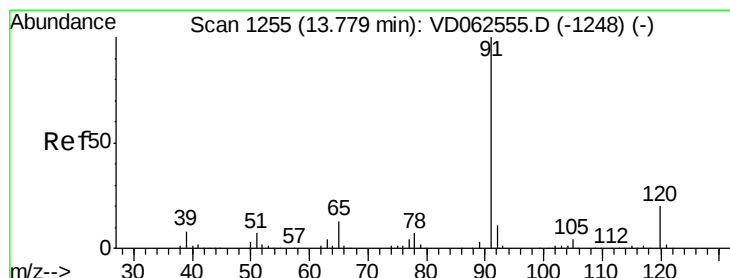
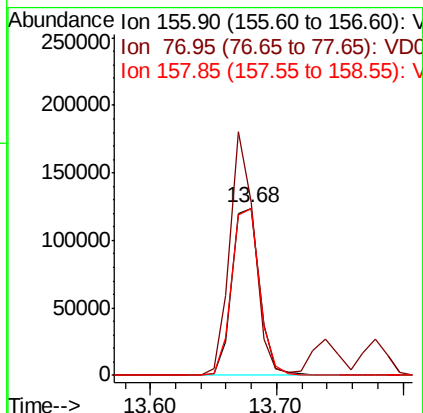
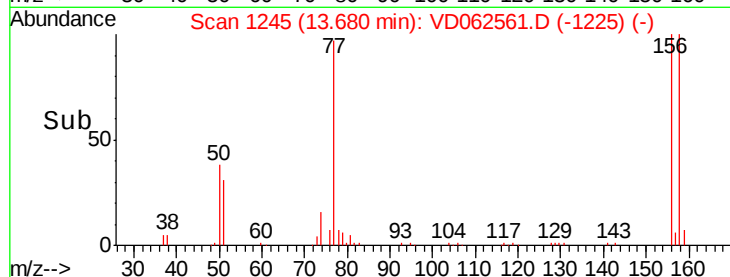
158 99.9 48.5 145.5



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



#78

n-propylbenzene

Concen: 20.182 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062561.D

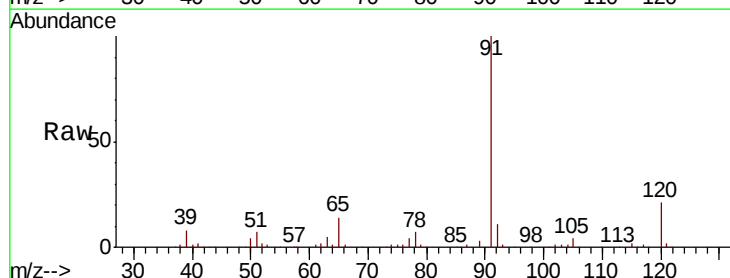
Acq: 31 May 2019 14:04

Tgt Ion: 91 Resp: 761971

Ion Ratio Lower Upper

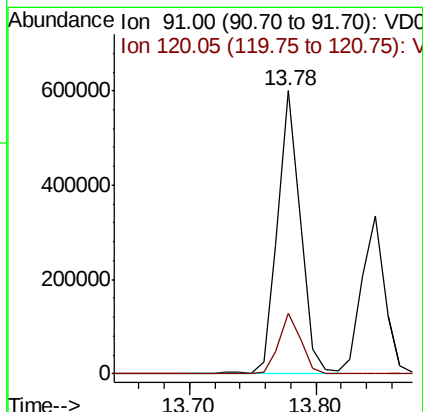
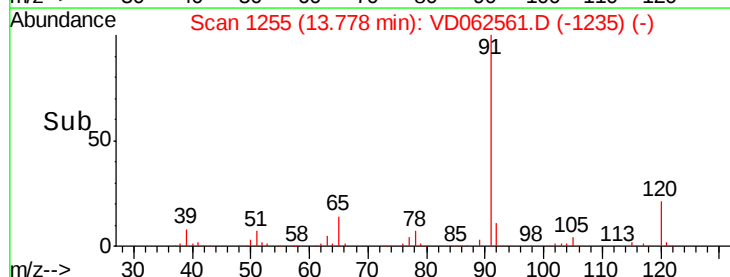
91 100

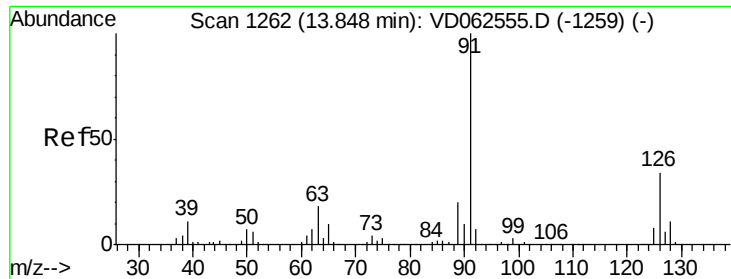
120 21.3 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

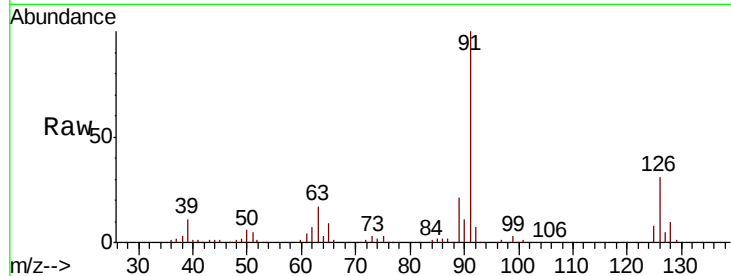




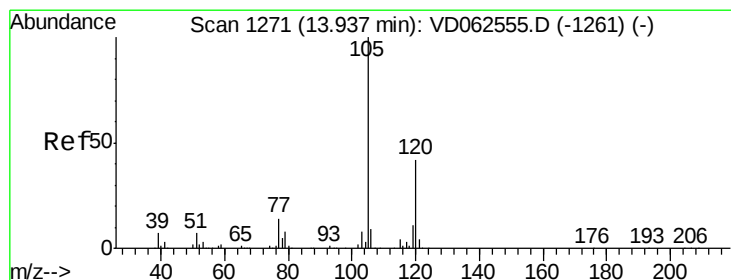
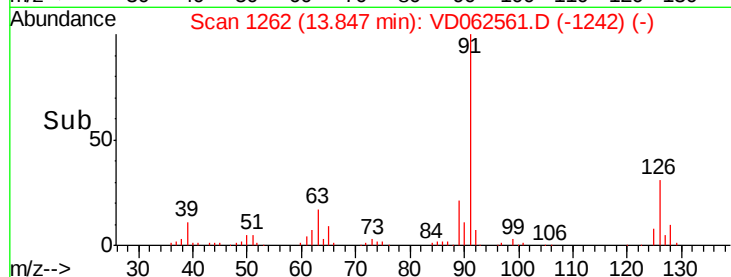
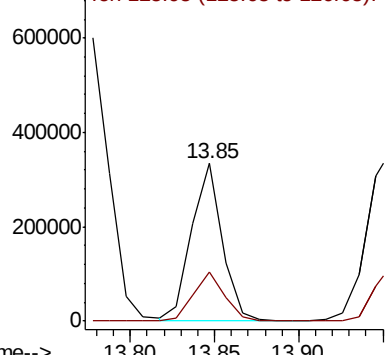
#79
 2-Chlorotoluene
 Concen: 19.376 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBSD01

Tot Ion: 91 Resp: 424180
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.7 50.1

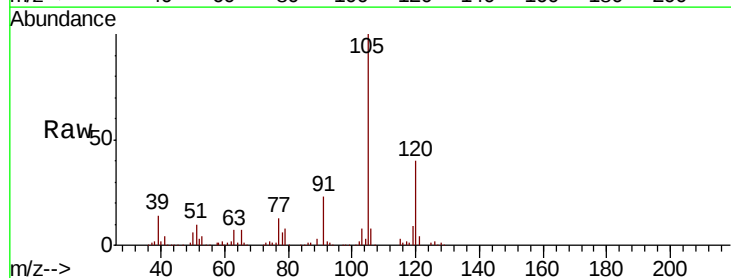


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

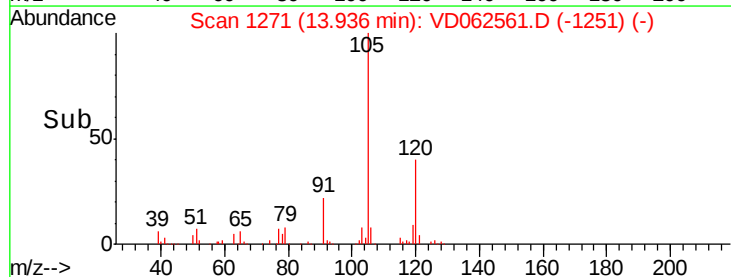
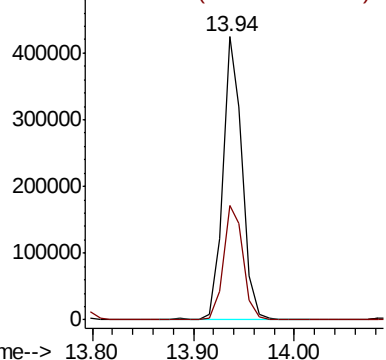


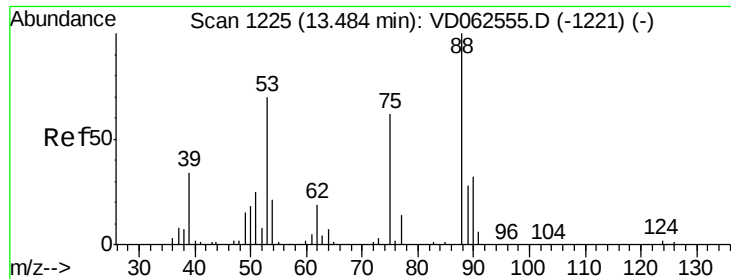
#80
 1,3,5-Trimethylbenzene
 Concen: 20.216 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

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

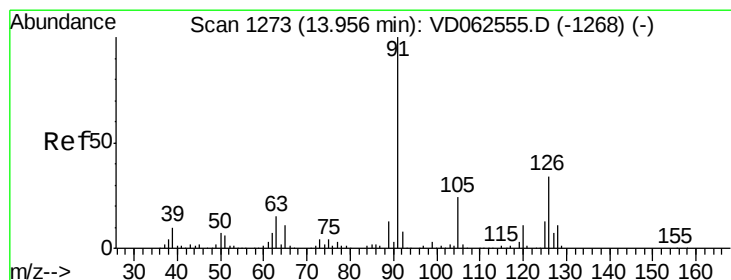
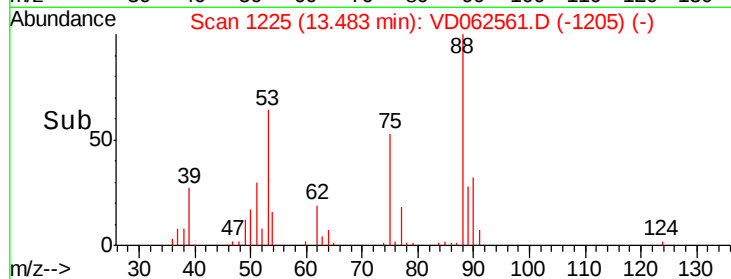
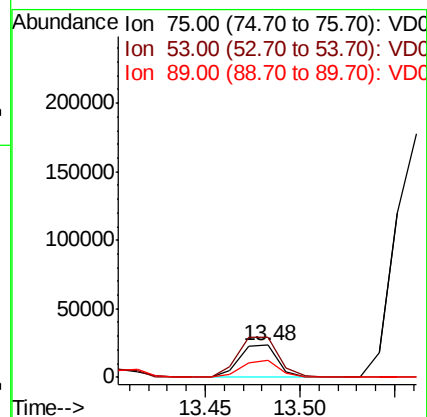
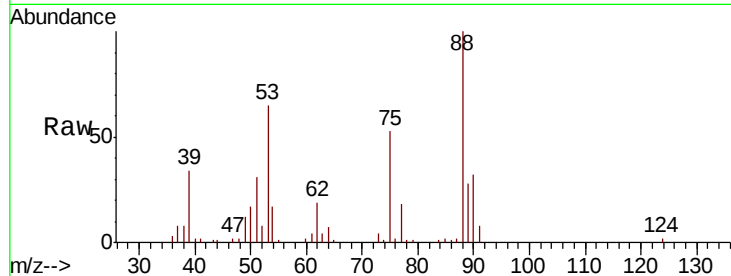
Tot Ion: 75 Resp: 33043

Ion Ratio Lower Upper

75 100

53 122.7 91.0 136.4

89 52.3 36.9 55.3



#82

4-Chlorotoluene

Concen: 20.883 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD062561.D

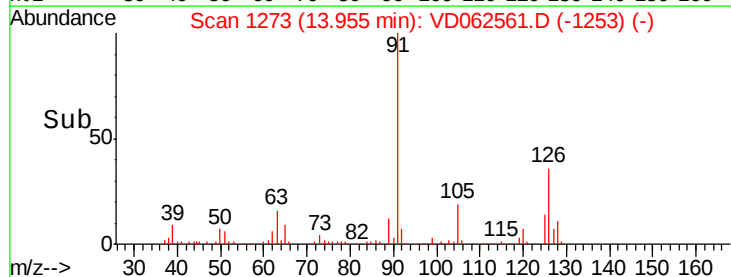
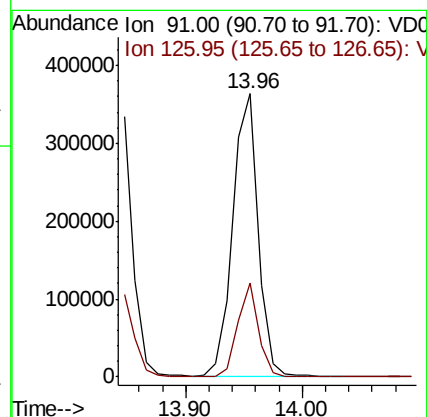
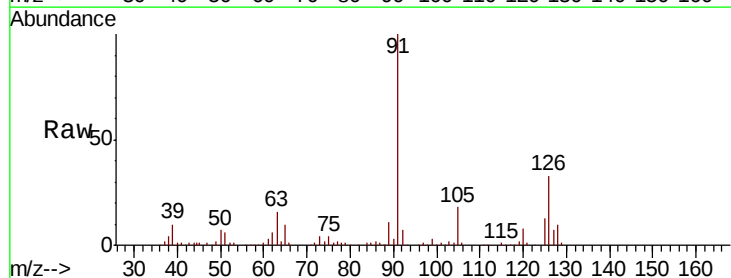
Acq: 31 May 2019 14:04

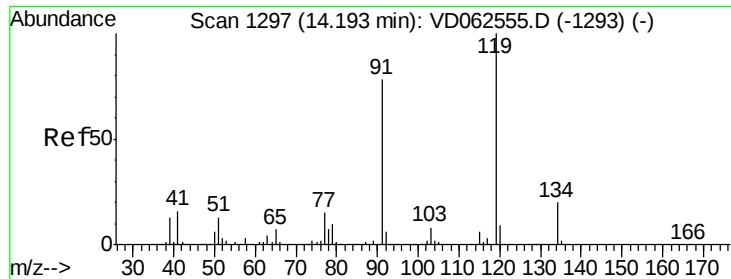
Tgt Ion: 91 Resp: 547312

Ion Ratio Lower Upper

91 100

126 33.3 16.9 50.7

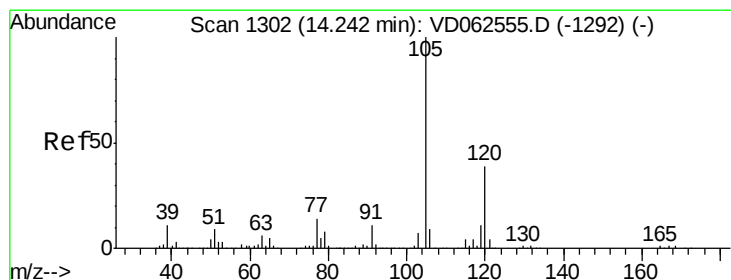
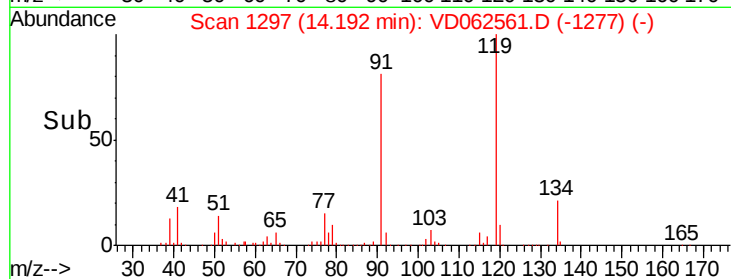
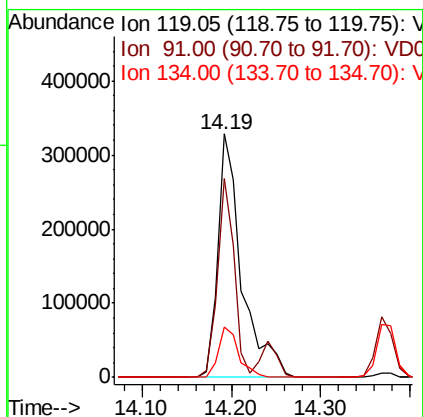
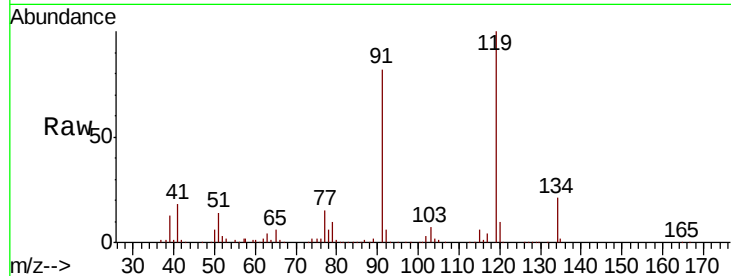




#83
tert-Butylbenzene
Concen: 19.665 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062561.D
Acq: 31 May 2019 14:04

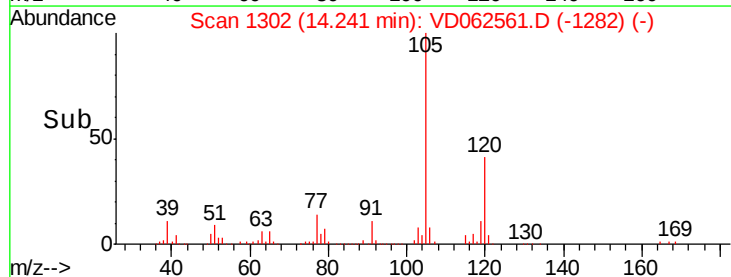
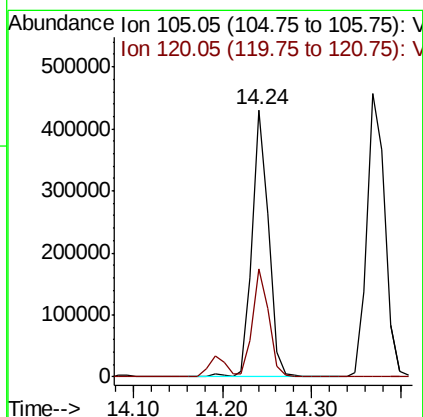
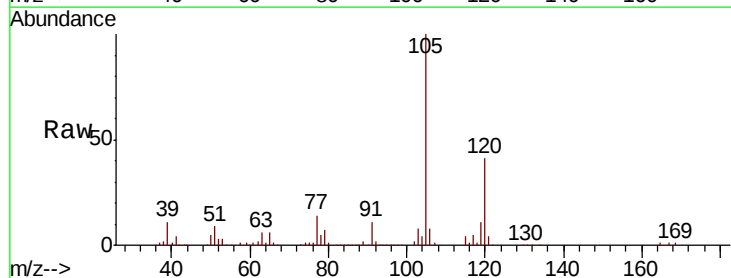
Instrument :
MSVOA_D
ClientSampleId :
VD0531SBSD01

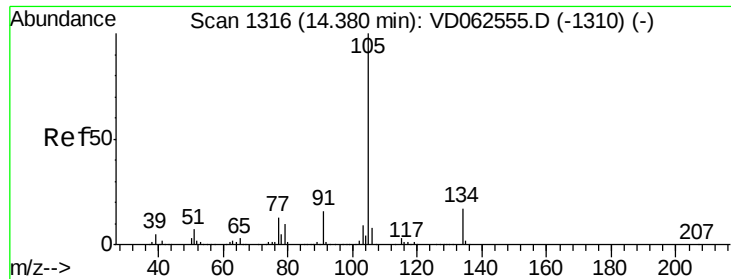
Tot Ion:119 Resp: 614161
Ion Ratio Lower Upper
119 100
91 81.7 39.1 117.5
134 20.7 10.1 30.3



#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

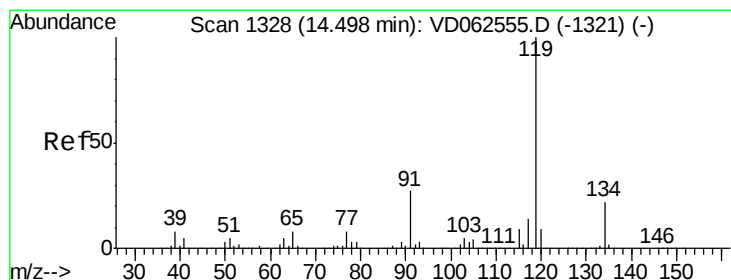
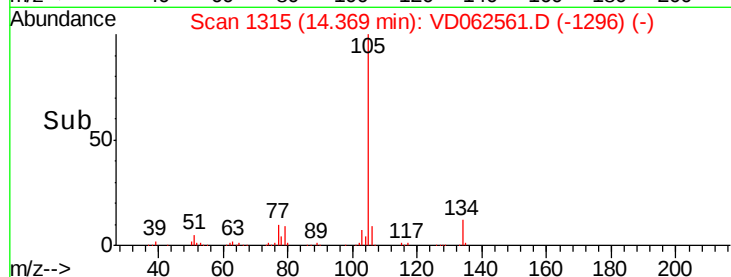
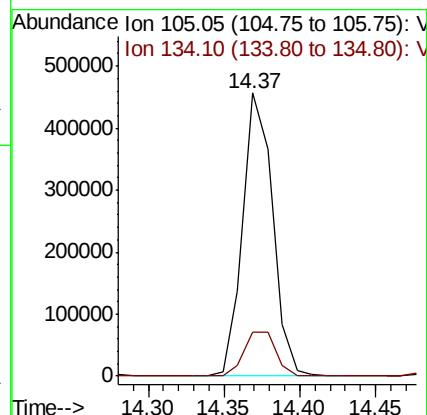
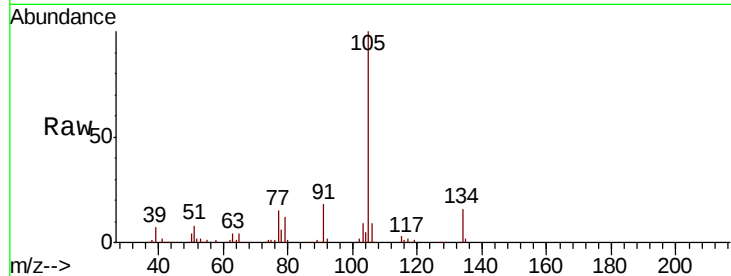




#85
 sec-Butylbenzene
 Concen: 19.007 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

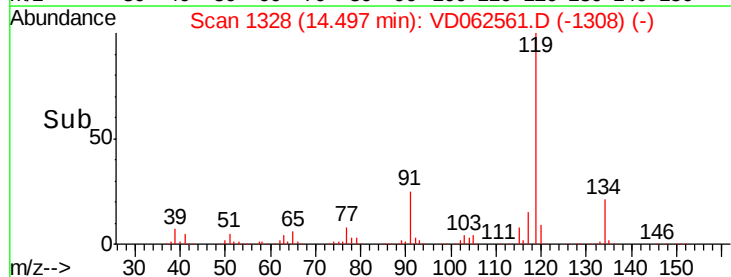
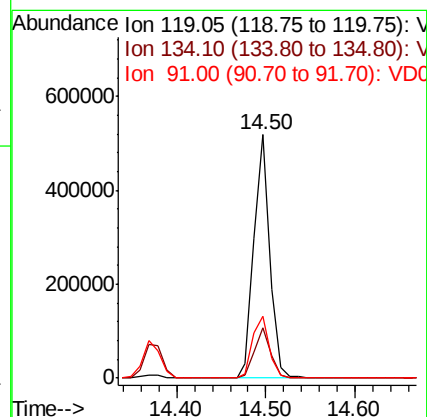
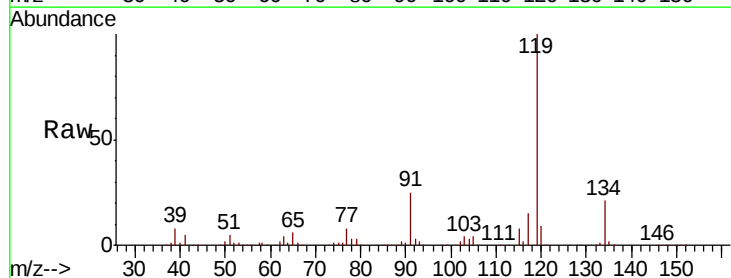
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0531SBSD01

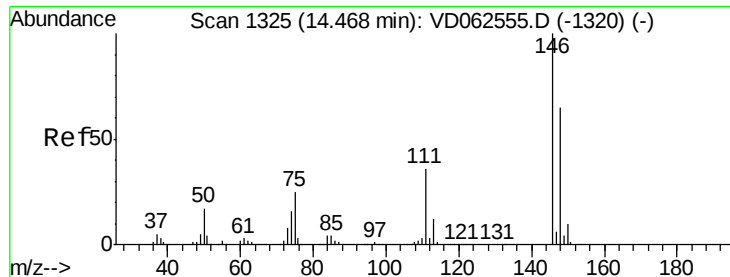
Tot Ion:105 Resp: 628843
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.7 26.1



#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

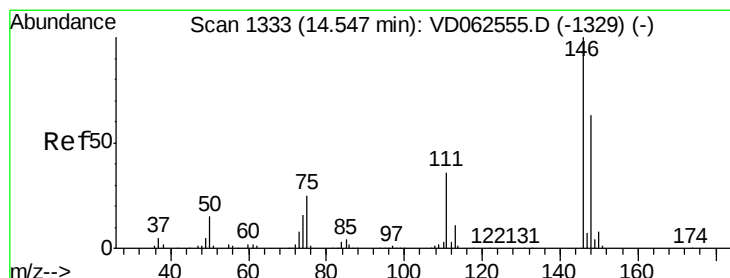
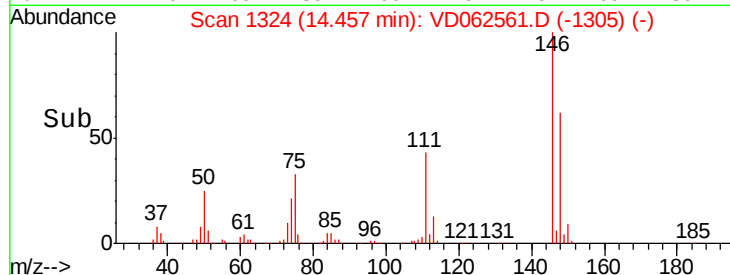
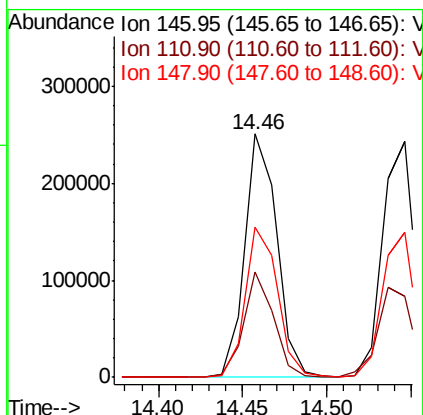
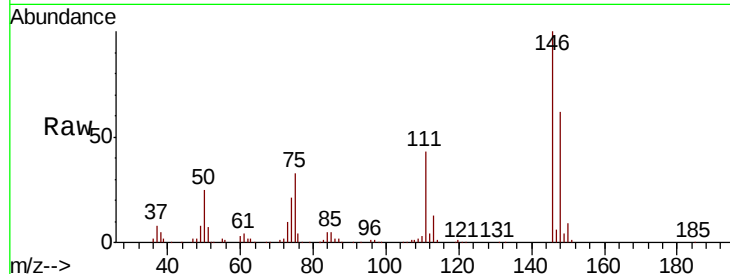




#87
 1,3-Dichlorobenzene
 Concen: 21.314 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

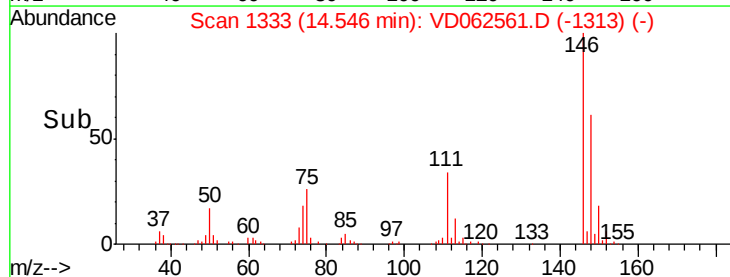
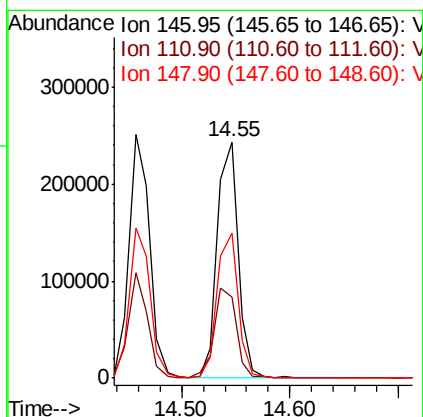
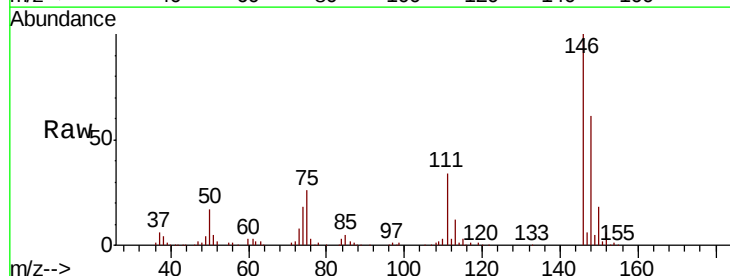
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0531SBS01

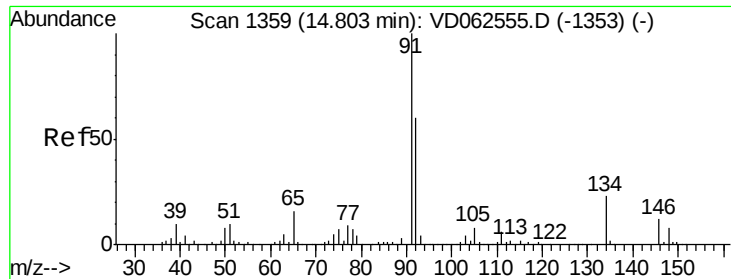
Tot Ion:146 Resp: 331811
 Ion Ratio Lower Upper
 146 100
 111 43.2 18.1 54.4
 148 61.6 32.3 96.9



#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

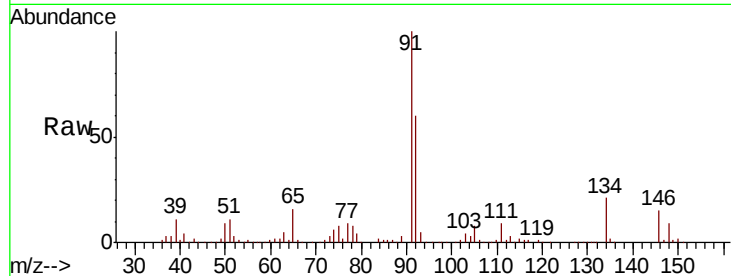
Tot Ion: 91 Resp: 587489

Ion Ratio Lower Upper

91 100

92 60.0 29.8 89.4

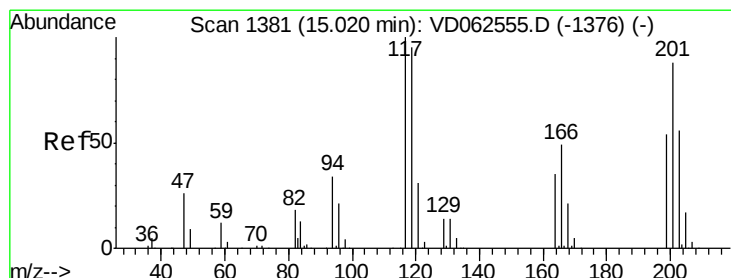
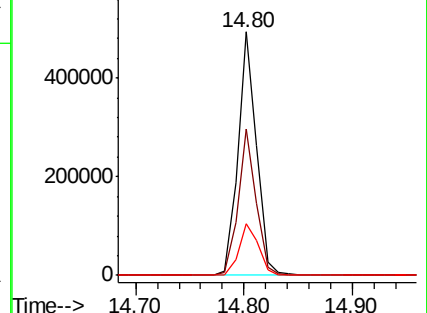
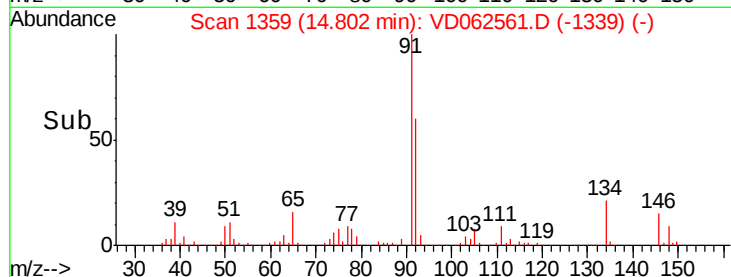
134 21.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.796 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062561.D

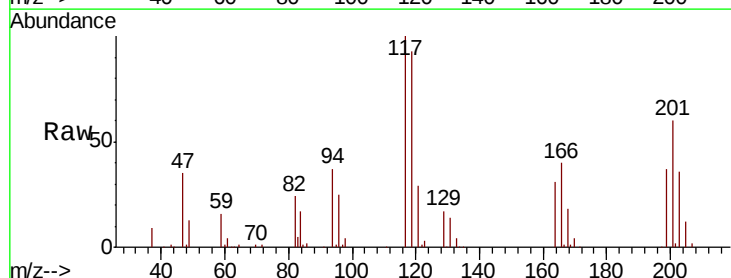
Acq: 31 May 2019 14:04

Tgt Ion: 117 Resp: 162336

Ion Ratio Lower Upper

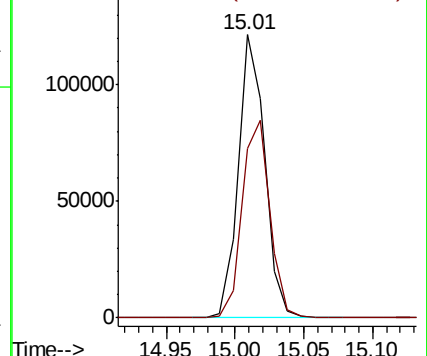
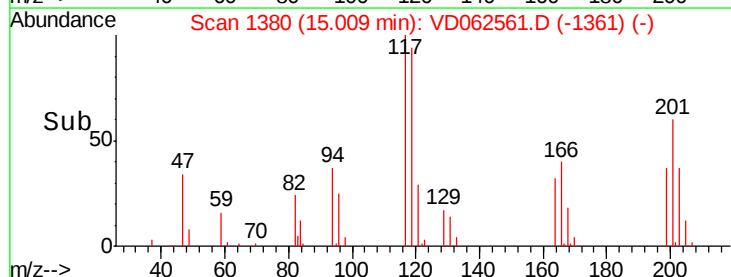
117 100

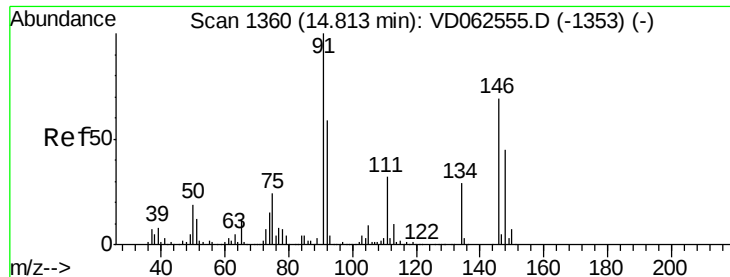
201 60.0 43.8 131.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

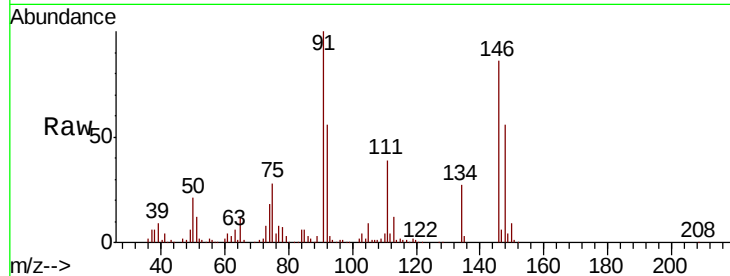




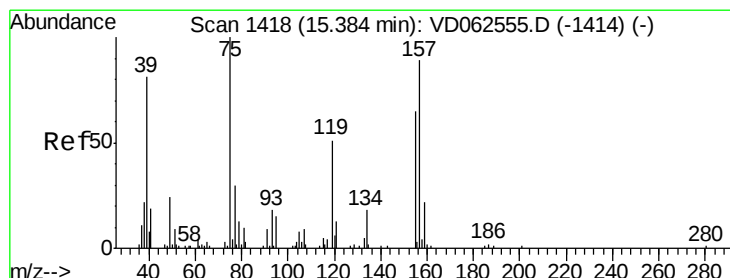
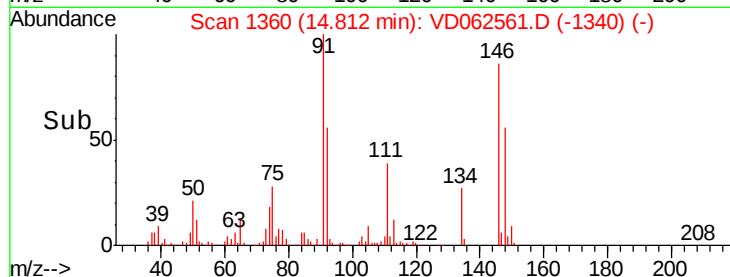
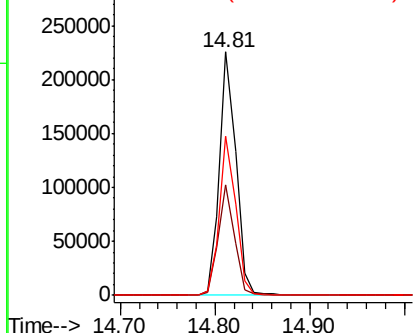
#91
 1,2-Dichlorobenzene
 Concen: 20.977 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

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

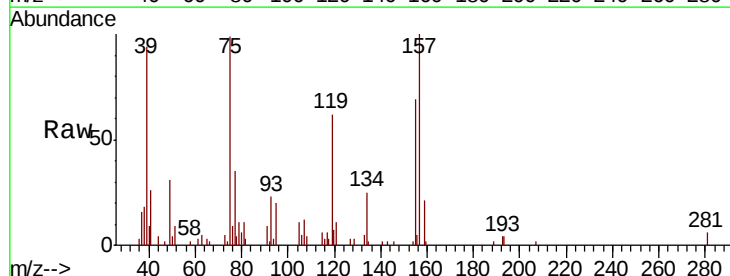


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

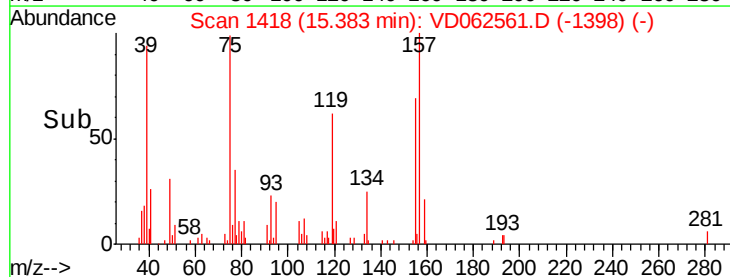
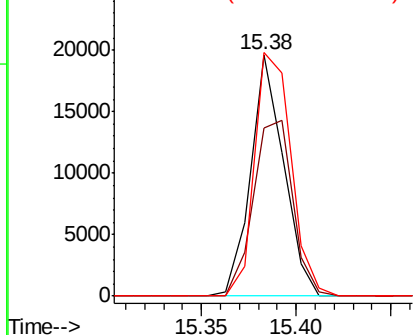


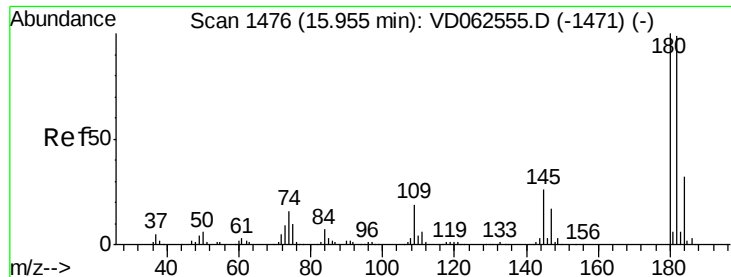
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.123 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

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

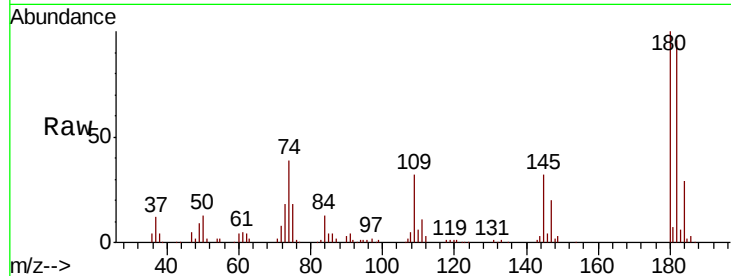




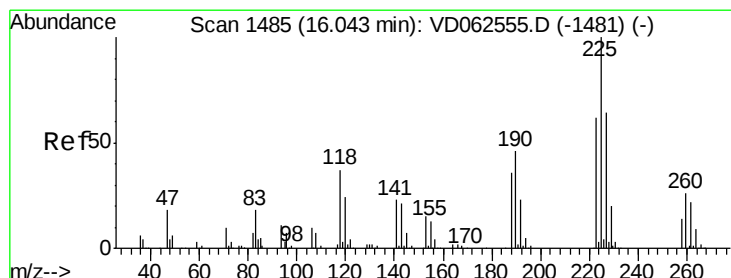
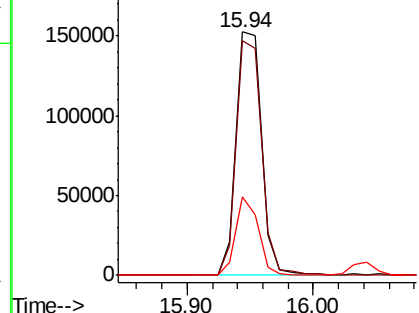
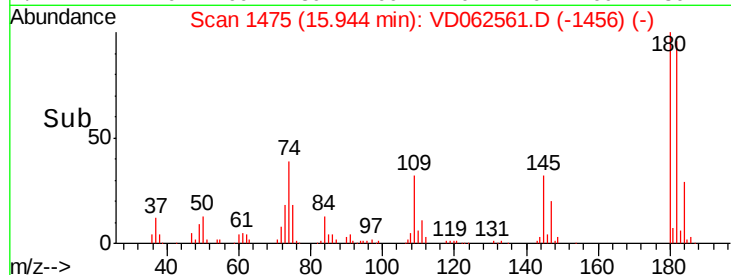
#93
 1,2,4-Trichlorobenzene
 Concen: 20.211 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

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

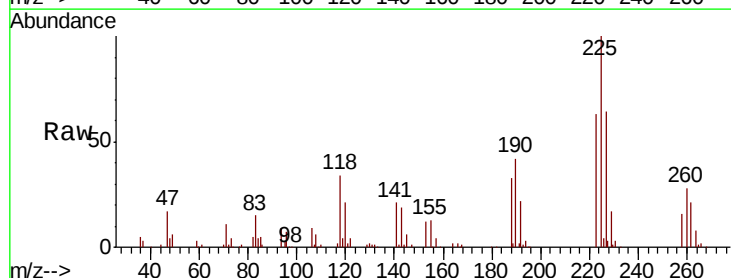


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

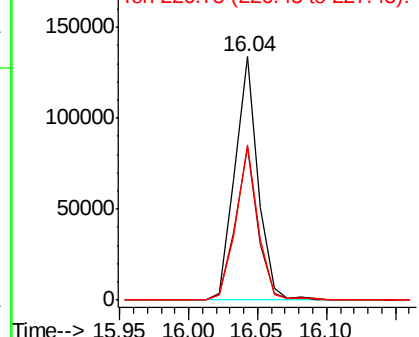
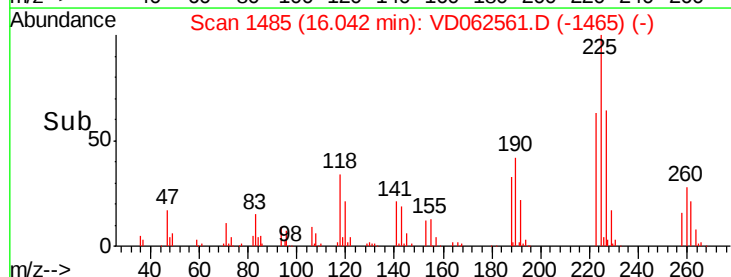


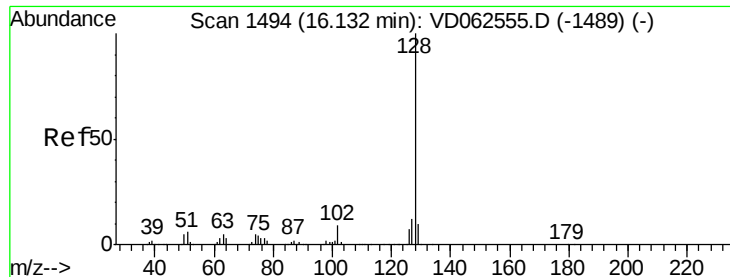
#94
 Hexachlorobutadiene
 Concen: 20.292 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062561.D
 Acq: 31 May 2019 14:04

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

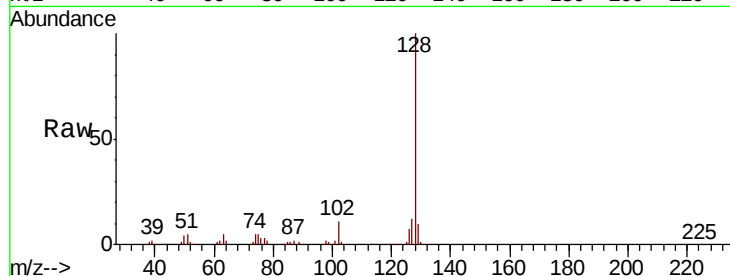
Tot Ion:128 Resp: 306992

Ion Ratio Lower Upper

128 100

127 12.0 9.7 14.5

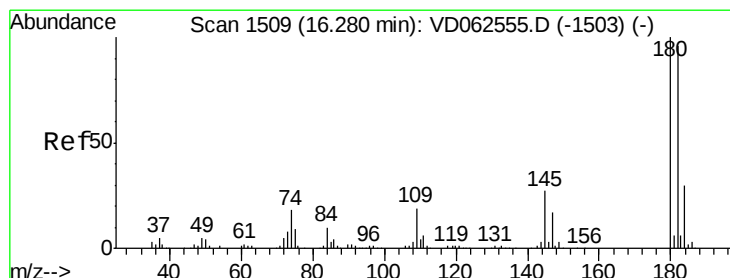
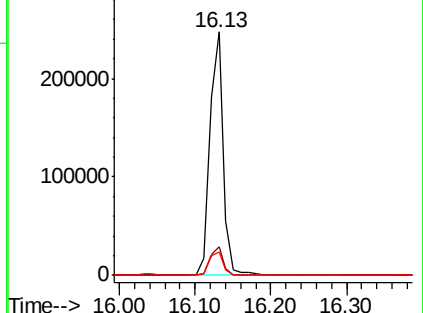
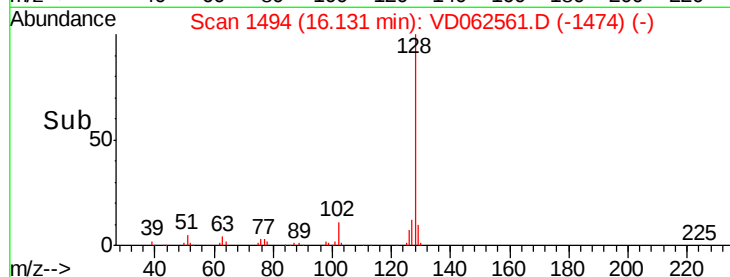
129 9.8 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.292 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD062561.D

Acq: 31 May 2019 14:04

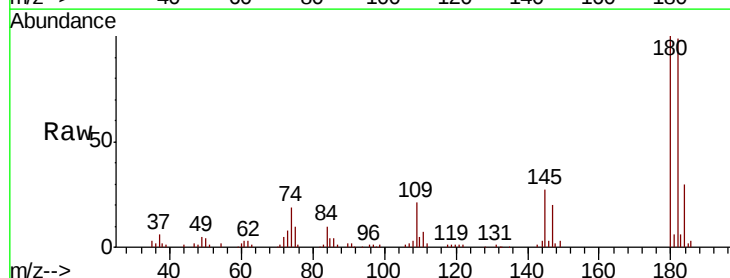
Tgt Ion:180 Resp: 166545

Ion Ratio Lower Upper

180 100

182 98.8 48.1 144.3

145 27.5 13.3 39.9



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

