

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062632.D
 Acq On : 6 Jun 2019 18:42
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 07 04:41:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	808713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1095289	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	923656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	489550	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	1213777	109.88	ug/l	0.00
Spiked Amount			Recovery	=	219.76%	
35) Dibromofluoromethane	6.93	113	1189418	106.43	ug/l	0.00
Spiked Amount			Recovery	=	212.86%	
50) Toluene-d8	10.42	98	2624729	107.79	ug/l	0.00
Spiked Amount			Recovery	=	215.58%	
62) 4-Bromofluorobenzene	13.56	95	1083897	95.61	ug/l	0.00
Spiked Amount			Recovery	=	191.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	826933	83.060	ug/l	99
3) Chloromethane	1.75	50	671090	86.671	ug/l	96
4) Vinyl Chloride	1.85	62	771455	101.078	ug/l	96
5) Bromomethane	2.16	94	343524	88.911	ug/l	98
6) Chloroethane	2.26	64	377297	96.056	ug/l	100
7) Trichlorofluoromethane	2.53	101	1679732	99.321	ug/l	98
8) Diethyl Ether	2.88	74	241122	111.066	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.15	101	932205	97.059	ug/l	92
10) Methyl Iodide	3.31	142	1406084	117.469	ug/l	99
11) Tert butyl alcohol	4.10	59	230276	479.091	ug/l #	92
12) 1,1-Dichloroethene	3.13	96	683470	98.648	ug/l	98
13) Acrolein	3.04	56	78074	449.140	ug/l #	64
14) Allyl chloride	3.62	41	1113062	105.489	ug/l	93
15) Acrylonitrile	4.21	53	550750	515.531	ug/l	98
16) Acetone	3.24	43	1084762	543.472	ug/l	100
17) Carbon Disulfide	3.38	76	2103109	104.035	ug/l	100
18) Methyl Acetate	3.65	43	319534	91.591	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	1738141	102.496	ug/l	100
20) Methylene Chloride	3.82	84	731548	96.102	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	741186	97.060	ug/l	95
22) Diisopropyl ether	5.13	45	2385932	107.542	ug/l	99
23) Vinyl Acetate	5.07	43	7453391	546.101	ug/l	100
24) 1,1-Dichloroethane	4.99	63	1497406	106.080	ug/l #	96
25) 2-Butanone	6.08	43	1010777	544.865	ug/l	99
26) 2,2-Dichloropropane	6.03	77	1589937	103.105	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	812597	100.502	ug/l	93
28) Bromochloromethane	6.45	49	624311	116.024	ug/l #	97
29) Tetrahydrofuran	6.47	42	489985	566.268	ug/l	97
30) Chloroform	6.68	83	1854805	104.966	ug/l	100
31) Cyclohexane	6.96	56	959507	105.731	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	1932138	107.707	ug/l	99
36) 1,1-Dichloropropene	7.16	75	1148589	96.869	ug/l	92
37) Ethyl Acetate	6.20	43	529605	111.460	ug/l	97
38) Carbon Tetrachloride	7.12	117	1841951m	104.273	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	1024012	103.081	ug/l	99
40) Benzene	7.46	78	2427764	106.051	ug/l	100
41) Methacrylonitrile	6.47	41	680585	111.814	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	1460431	106.801	ug/l	100
43) Isopropyl Acetate	9.25	43	697922	108.061	ug/l	96
44) Trichloroethene	8.55	130	945638	100.110	ug/l	99
45) 1,2-Dichloropropane	8.95	63	599820	105.380	ug/l	93
46) Dibromomethane	9.07	93	532956	105.559	ug/l	93
47) Bromodichloromethane	9.38	83	1418142	104.796	ug/l	100
48) Methyl methacrylate	9.13	41	454284	104.229	ug/l	98
49) 1,4-Dioxane	9.09	88	76859	2200.818	ug/l #	89
51) 4-Methyl-2-Pentanone	10.31	43	2406228	564.234	ug/l	97
52) Toluene	10.51	92	1535519	99.407	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	1244051	109.722	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	1290603	112.463	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	541969	102.861	ug/l	96
56) Ethyl methacrylate	11.05	69	612597	107.578	ug/l	96
57) 1,3-Dichloropropane	11.41	76	880576	108.546	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.87	63	1424211	475.826	ug/l	97
59) 2-Hexanone	11.54	43	1787483	555.828	ug/l	98
60) Dibromochloromethane	11.70	129	1118591	108.655	ug/l	99
61) 1,2-Dibromoethane	11.81	107	706278	109.837	ug/l	94
64) Tetrachloroethene	11.26	164	825853	100.226	ug/l	96
65) Chlorobenzene	12.40	112	1935601	102.012	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	909831	99.409	ug/l	96
67) Ethyl Benzene	12.53	91	3237820	93.742	ug/l	97
68) m/p-Xylenes	12.67	106	2488835	207.692	ug/l	95
69) o-Xylene	13.05	106	1162579	101.191	ug/l	90
70) Styrene	13.07	104	2038479	105.233	ug/l	97
71) Bromoform	13.24	173	703652	112.531	ug/l	98
73) Isopropylbenzene	13.41	105	3659841	108.228	ug/l	94
74) N-amyl acetate	13.27	43	979897	112.041	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	605552	107.378	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	695800	108.549	ug/l	95
77) Bromobenzene	13.67	156	980464	104.892	ug/l	88
78) n-propylbenzene	13.78	91	3868552	97.445	ug/l	99
79) 2-Chlorotoluene	13.84	91	2357968	99.429	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	3009311	101.000	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	195443	120.399	ug/l	98
82) 4-Chlorotoluene	13.95	91	2933441	103.648	ug/l	94
83) tert-Butylbenzene	14.20	119	3179827	98.471	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	2885381	96.713	ug/l	96
85) sec-Butylbenzene	14.37	105	3461934	103.484	ug/l	100
86) p-Isopropyltoluene	14.49	119	3184635	99.121	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1662460	103.179	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1670352	103.624	ug/l	96
89) n-Butylbenzene	14.81	91	2919446	99.461	ug/l	96
90) Hexachloroethane	15.01	117	905396	107.915	ug/l	81
91) 1,2-Dichlorobenzene	14.82	146	1453955	100.522	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	135700	117.337	ug/l #	52

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Response via : Initial Calibration

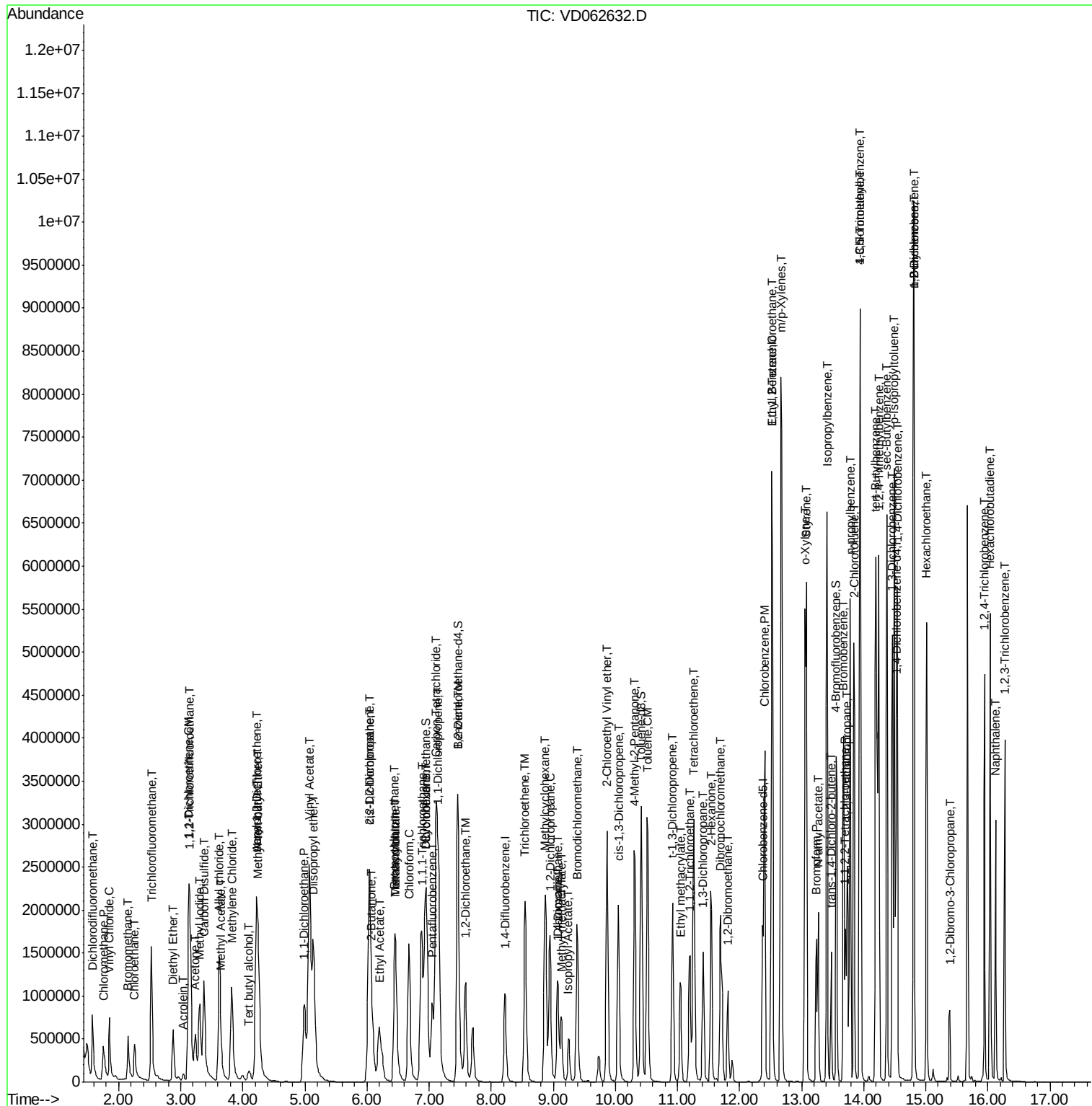
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1173888	109.980	ug/l	98
94) Hexachlorobutadiene	16.04	225	859391	107.404	ug/l	98
95) Naphthalene	16.13	128	1639239	108.246	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	912986	113.255	ug/l	96

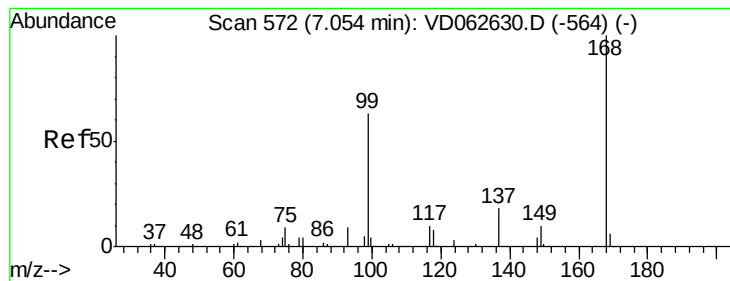
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

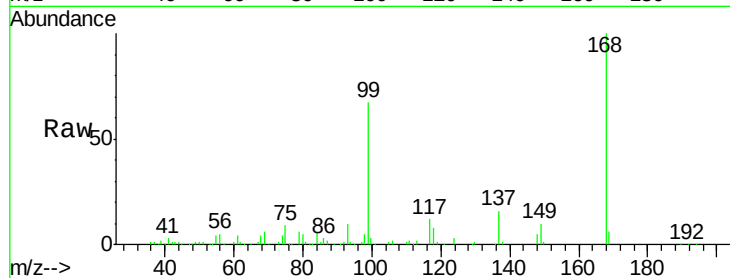
VSTDIC100

Tot Ion:168 Resp: 808713

Ion Ratio Lower Upper

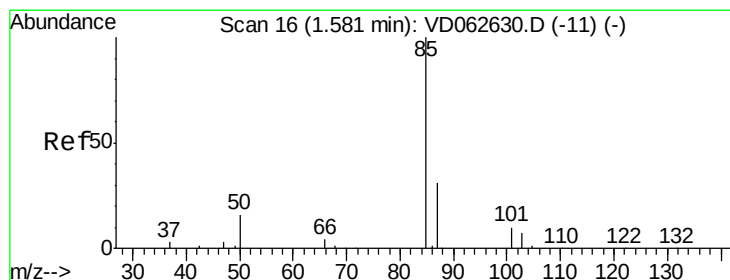
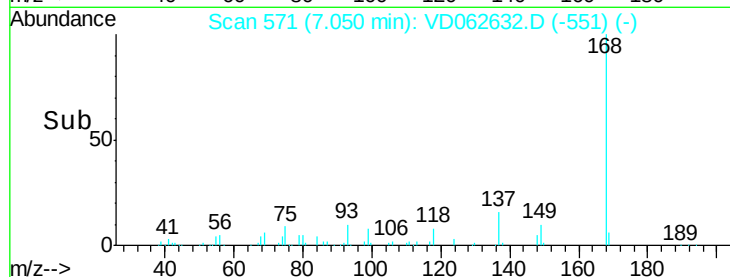
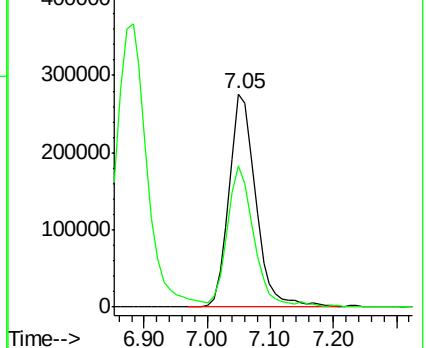
168 100

99 66.5 52.1 78.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 83.060 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062632.D

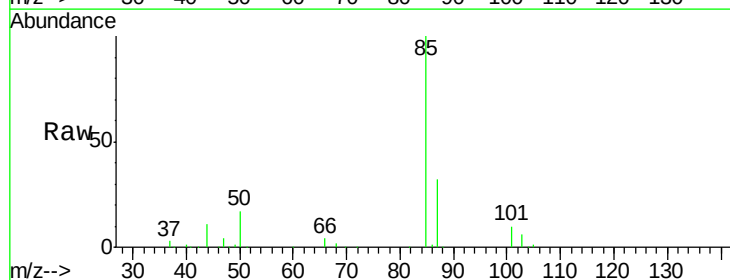
Acq: 6 Jun 2019 18:42

Tgt Ion: 85 Resp: 826933

Ion Ratio Lower Upper

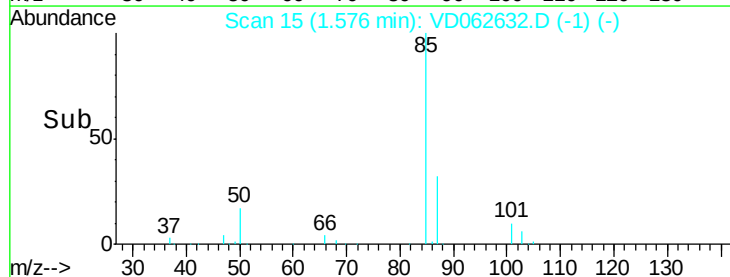
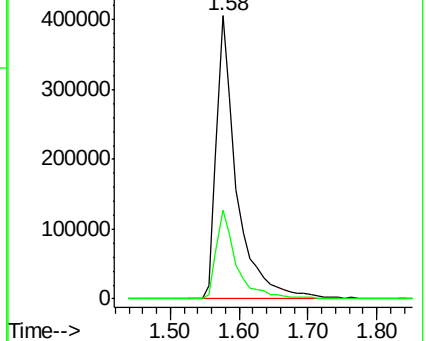
85 100

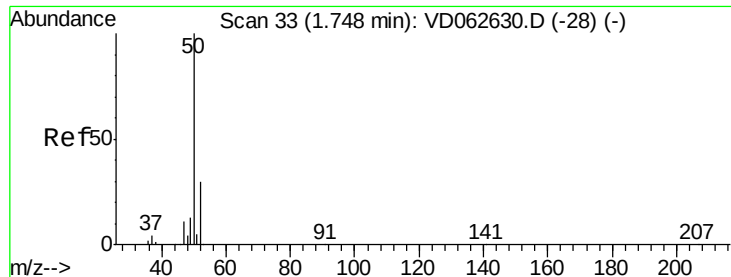
87 31.6 15.4 46.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 86.671 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

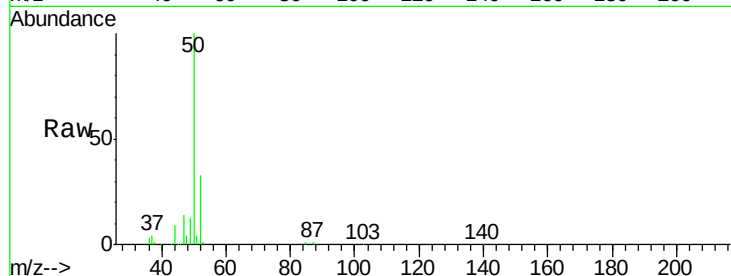
VSTDIC100

Tot Ion: 50 Resp: 671090

Ion Ratio Lower Upper

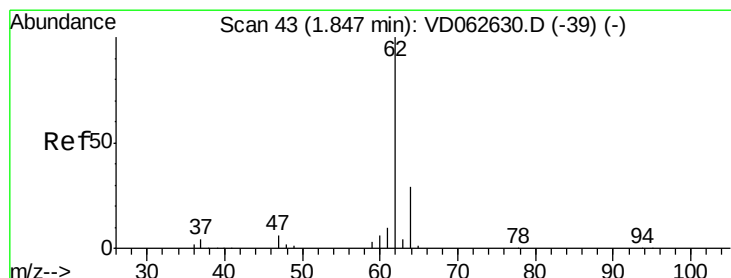
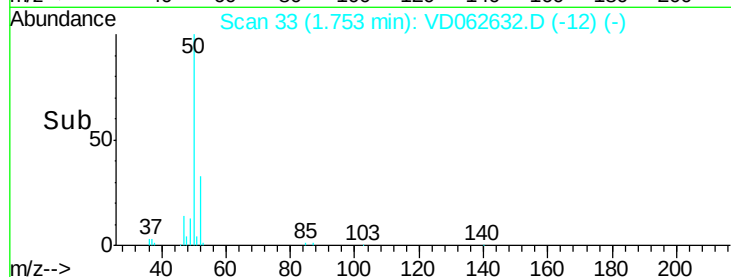
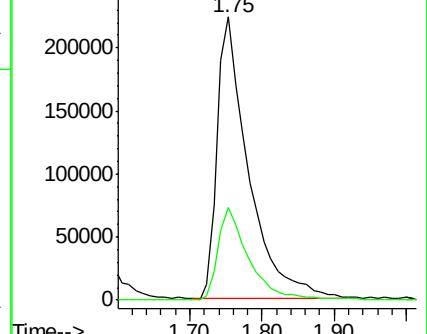
50 100

52 32.6 24.2 36.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 101.078 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062632.D

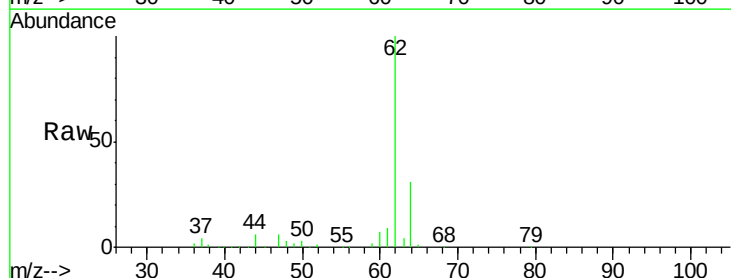
Acq: 6 Jun 2019 18:42

Tgt Ion: 62 Resp: 771455

Ion Ratio Lower Upper

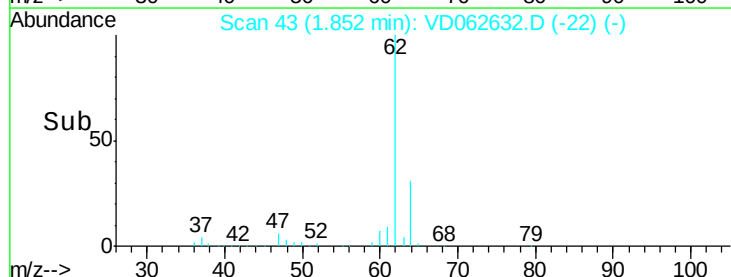
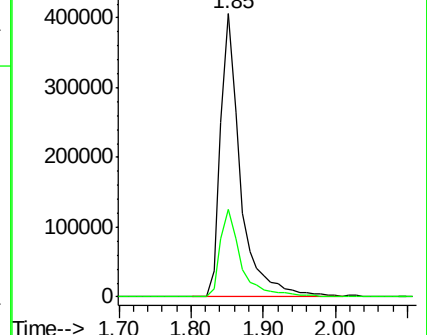
62 100

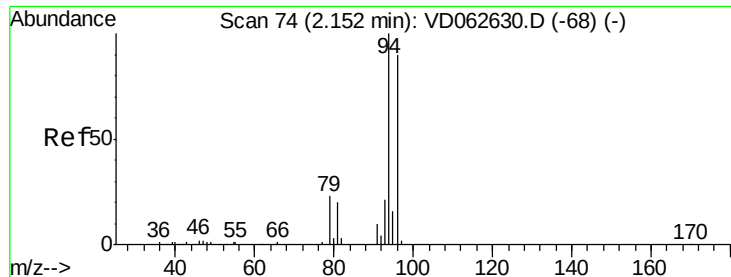
64 31.1 23.3 34.9



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 88.911 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

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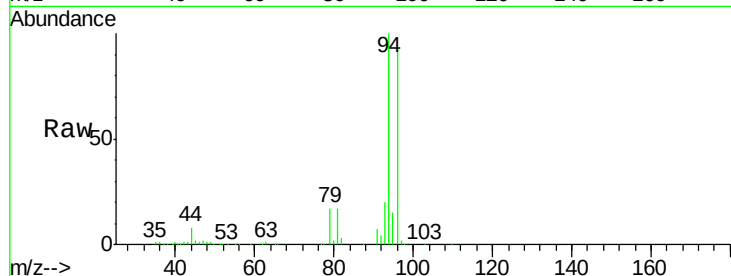
Tot Ion: 94 Resp: 343524

Ion Ratio Lower Upper

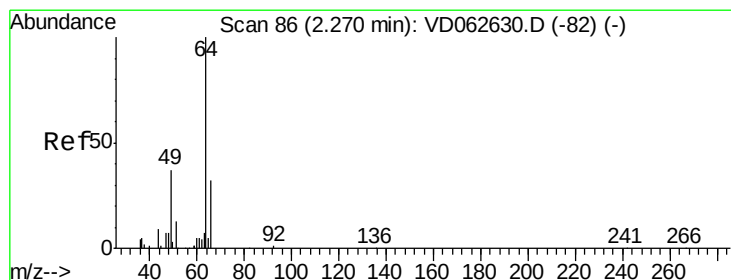
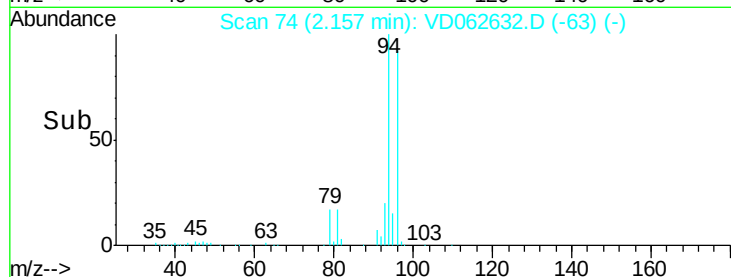
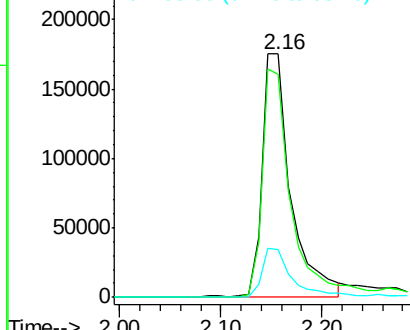
94 100

96 91.5 72.2 108.4

93 19.9 17.0 25.6



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: 96.056 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062632.D

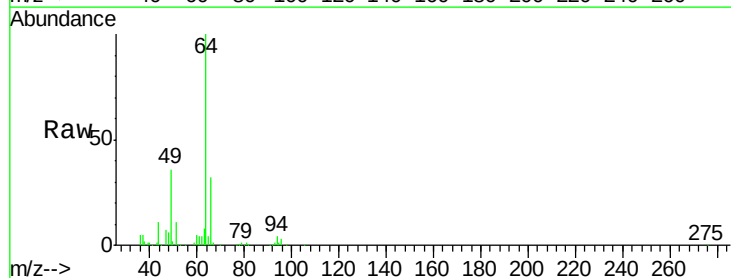
Acq: 6 Jun 2019 18:42

Tgt Ion: 64 Resp: 377297

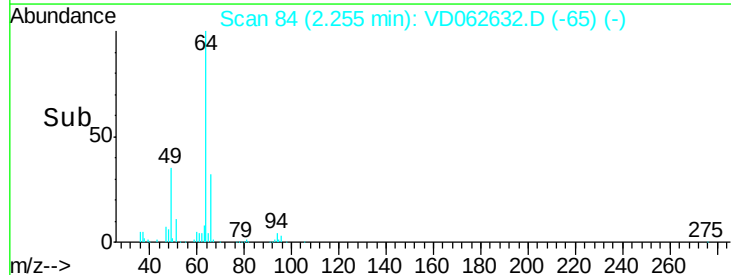
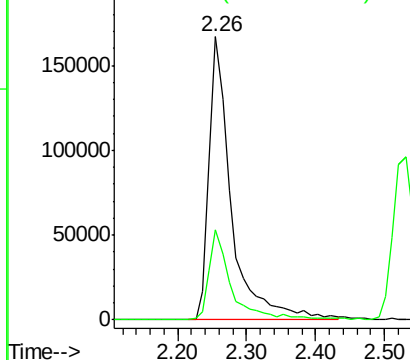
Ion Ratio Lower Upper

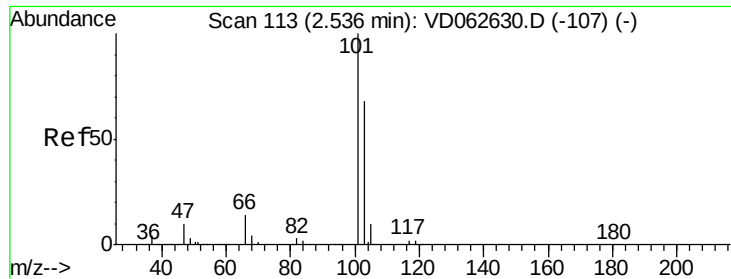
64 100

66 31.8 25.5 38.3



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



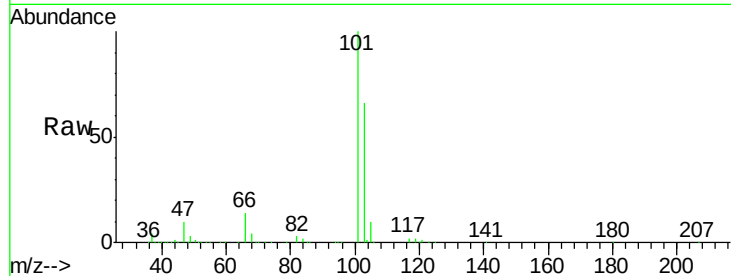


#7

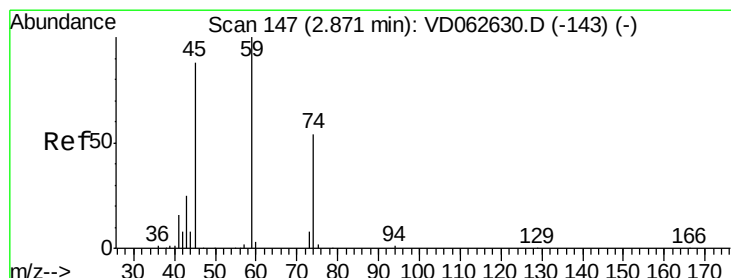
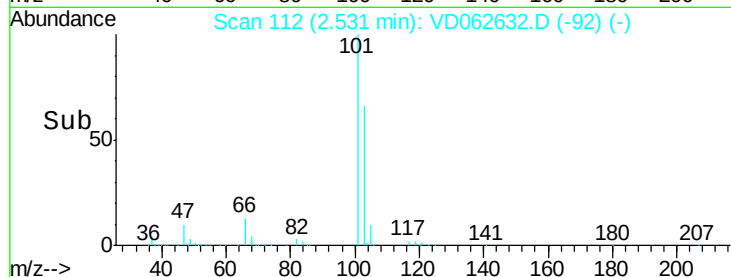
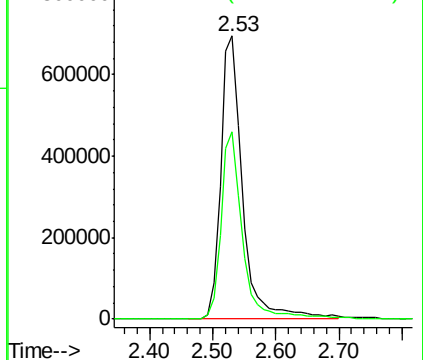
Trichlorofluoromethane
Concen: 99.321 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062632.D
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Instrument :
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Tot Ion:101 Resp: 1679732
Ion Ratio Lower Upper
101 100
103 66.2 54.6 81.8



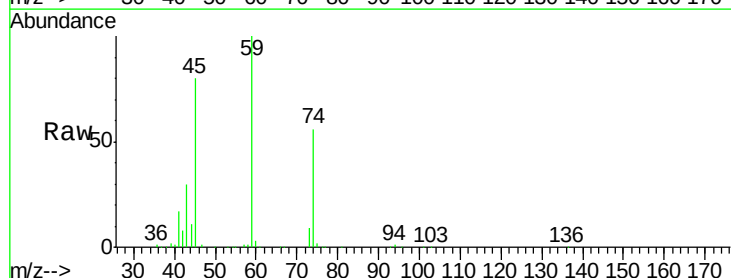
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



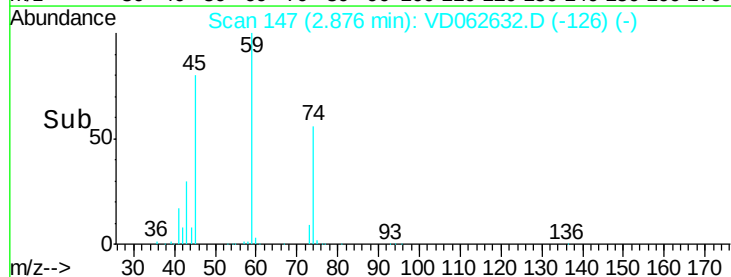
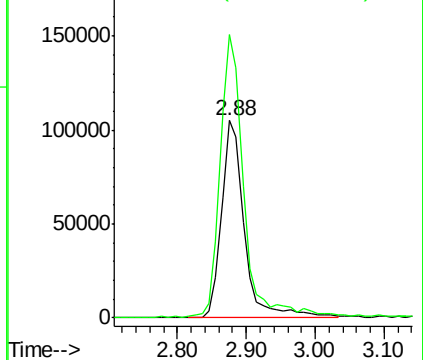
#8

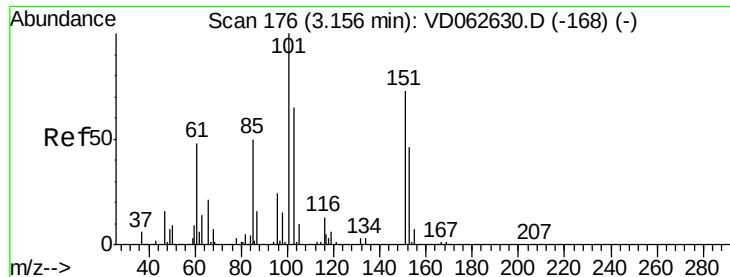
Diethyl Ether
Concen: 111.066 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion: 74 Resp: 241122
Ion Ratio Lower Upper
74 100
45 143.5 82.5 247.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.059 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

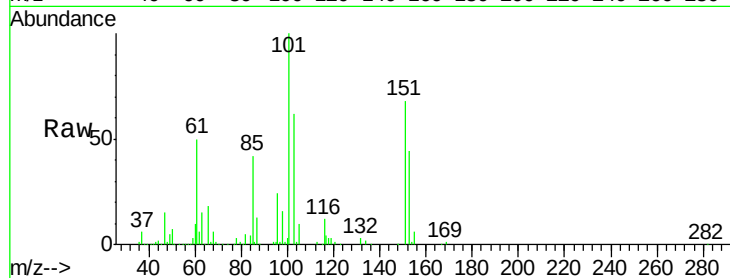
Tot Ion:101 Resp: 932205

Ion Ratio Lower Upper

101 100

85 42.4 39.8 59.6

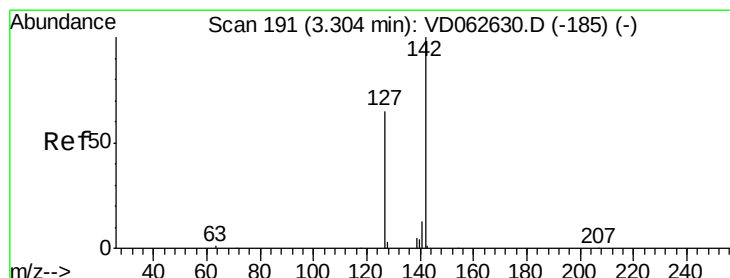
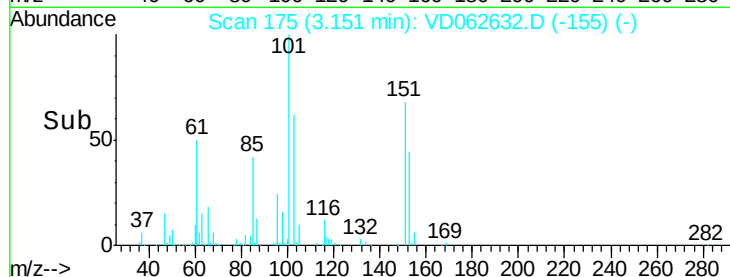
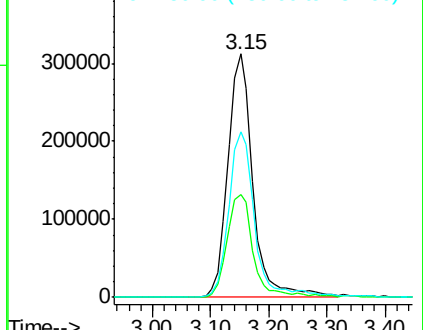
151 67.8 58.4 87.6



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: 117.469 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

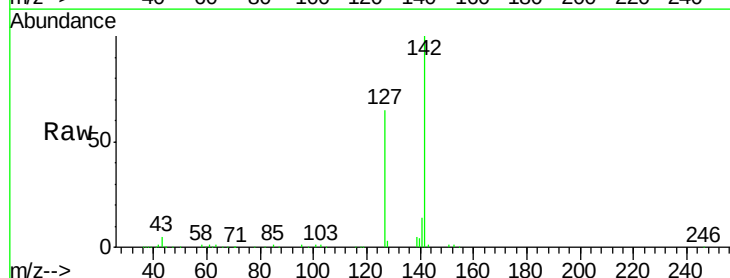
Tgt Ion:142 Resp: 1406084

Ion Ratio Lower Upper

142 100

127 65.0 52.1 78.1

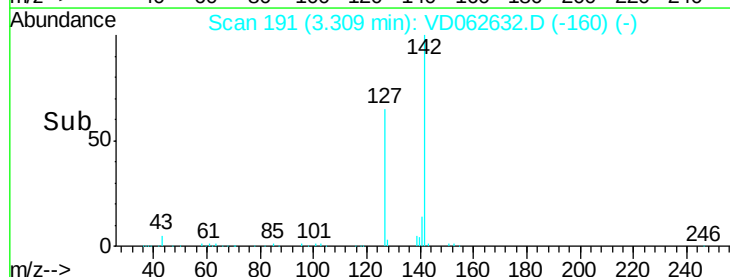
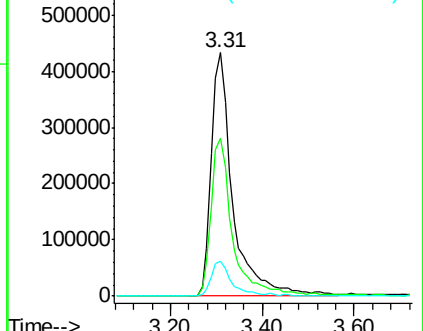
141 14.3 10.3 15.5

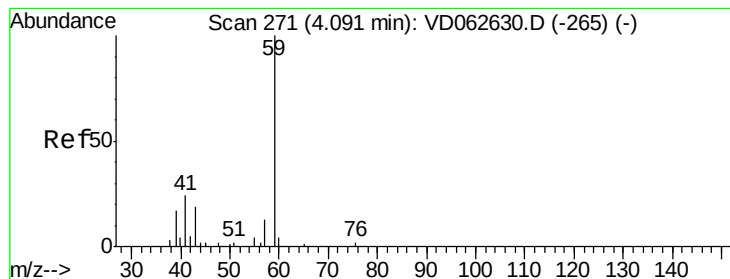


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



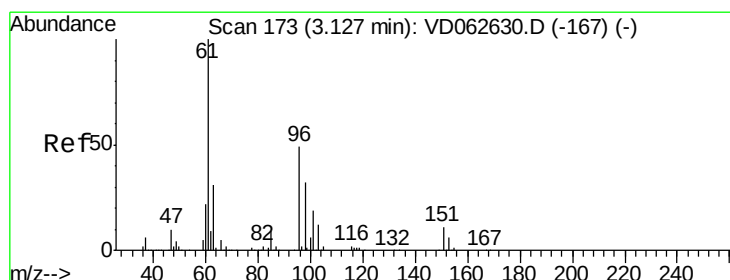
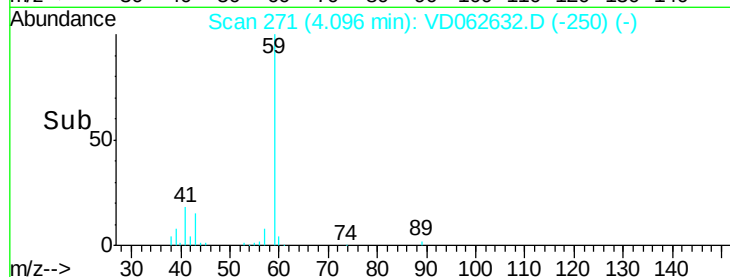
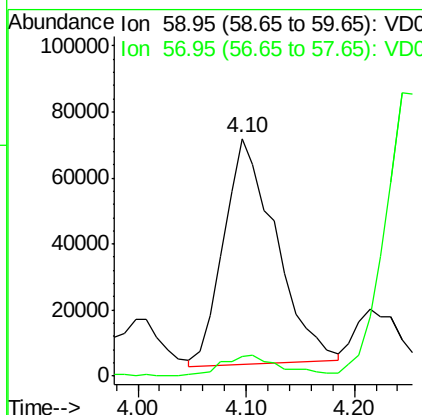
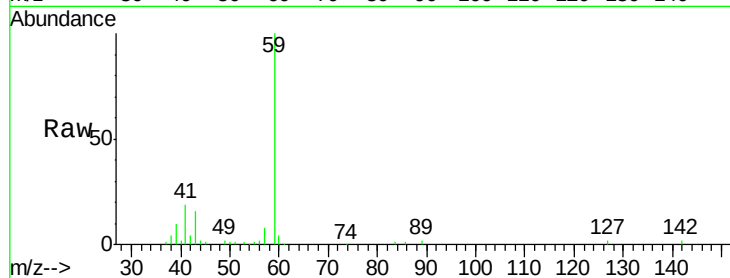


#11

Tert butyl alcohol
 Concen: 479.091 ug/l
 RT: 4.10 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

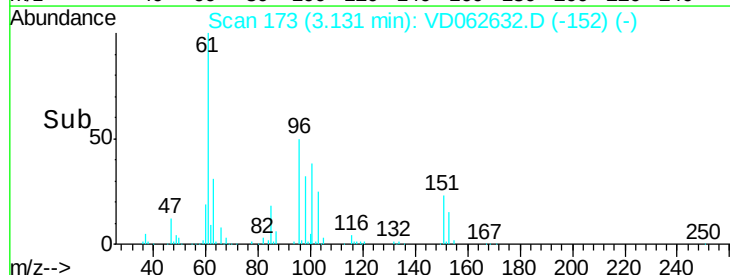
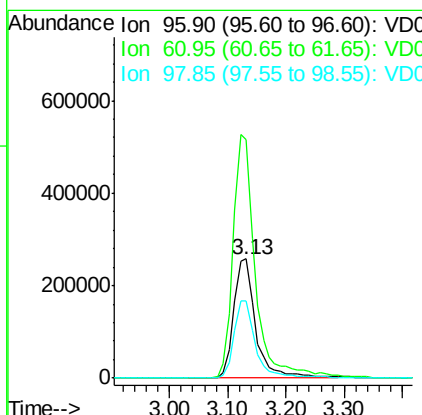
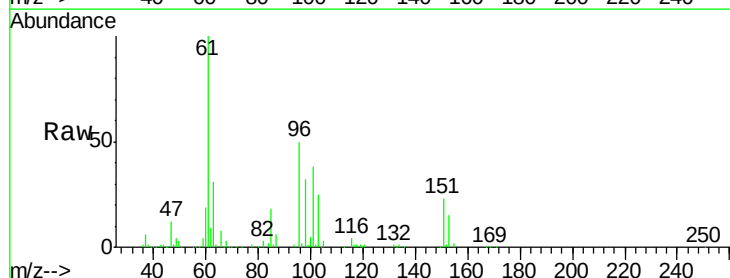
Tot Ion: 59 Resp: 230276
 Ion Ratio Lower Upper
 59 100
 57 8.3 9.2 13.8#

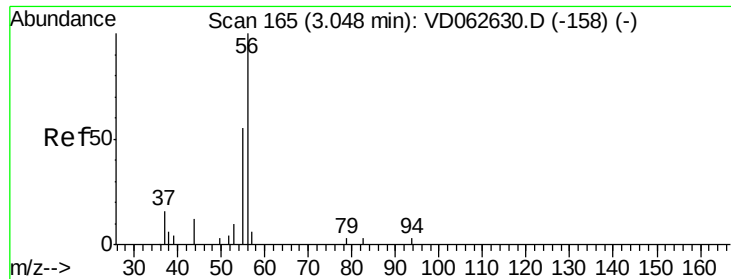


#12

1,1-Dichloroethene
 Concen: 98.648 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion: 96 Resp: 683470
 Ion Ratio Lower Upper
 96 100
 61 200.2 163.6 245.4
 98 64.9 52.5 78.7





#13

Acrolein

Concen: 449.140 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

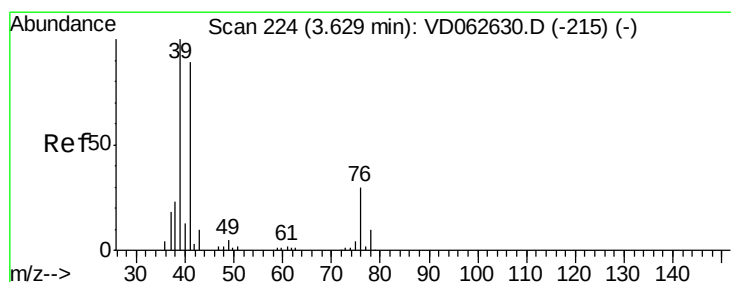
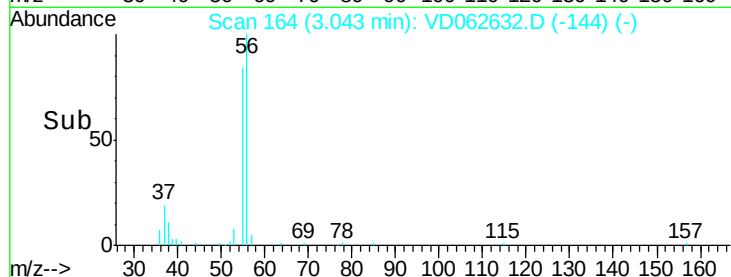
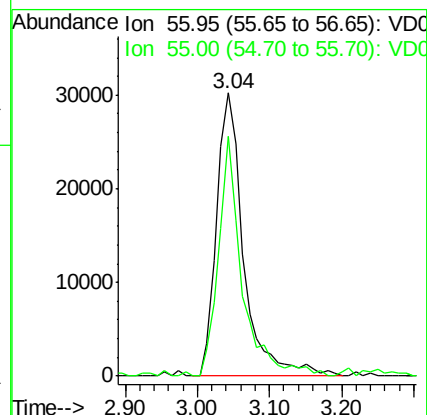
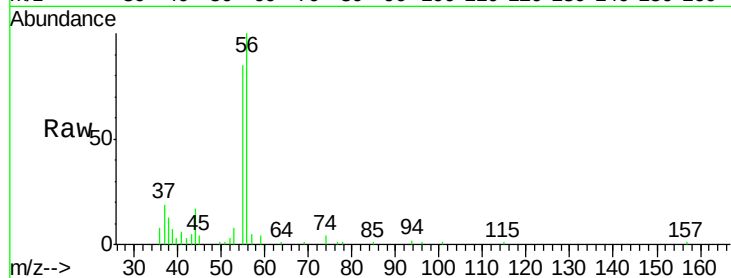
VSTDIC100

Tot Ion: 56 Resp: 78074

Ion Ratio Lower Upper

56 100

55 84.8 46.3 69.5#



#14

Allyl chloride

Concen: 105.489 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

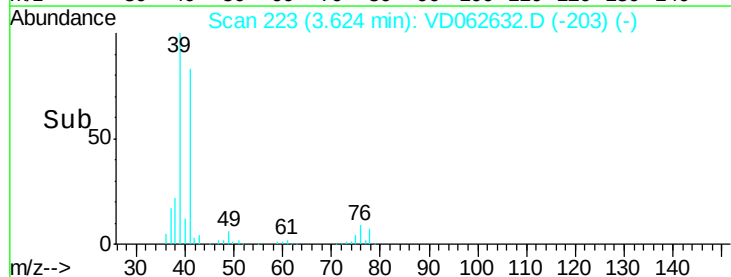
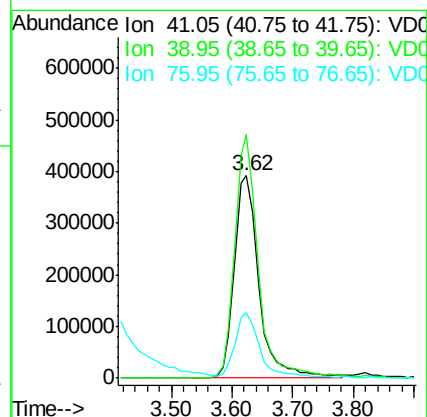
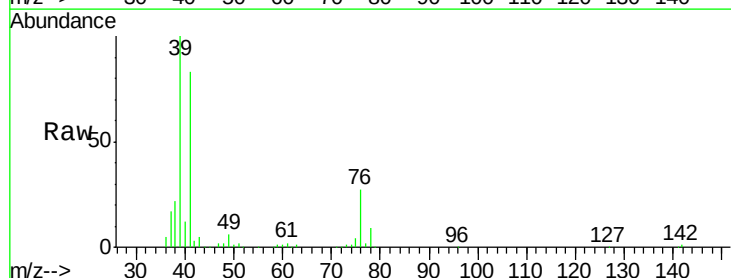
Tgt Ion: 41 Resp: 1113062

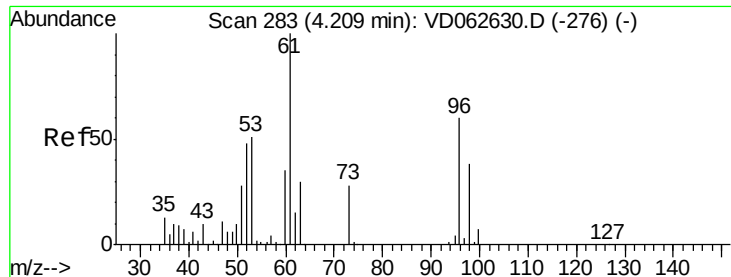
Ion Ratio Lower Upper

41 100

39 120.4 90.1 135.1

76 32.5 28.9 43.3





#15

Acrylonitrile

Concen: 515.531 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

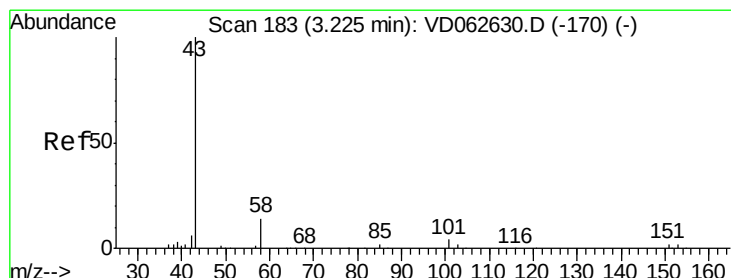
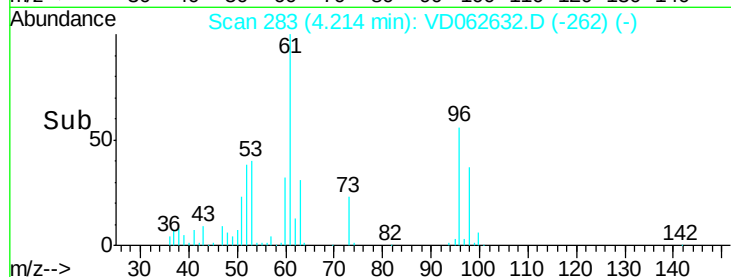
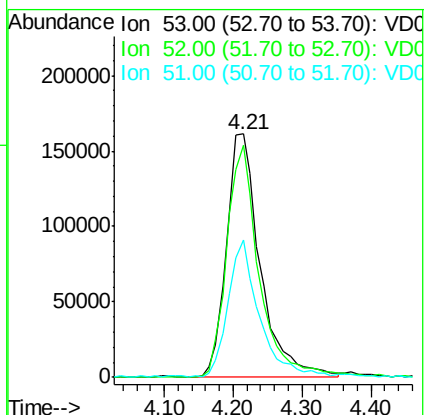
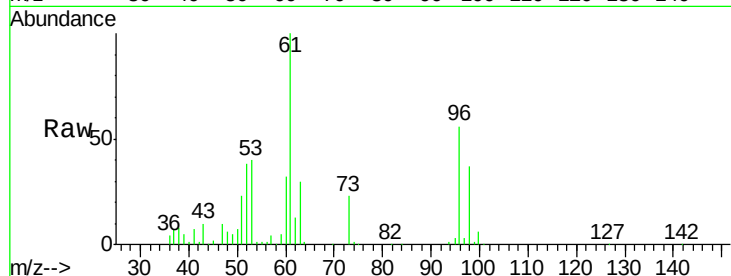
Tot Ion: 53 Resp: 550750

Ion Ratio Lower Upper

53 100

52 95.3 74.8 112.2

51 56.2 43.9 65.9



#16

Acetone

Concen: 543.472 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062632.D

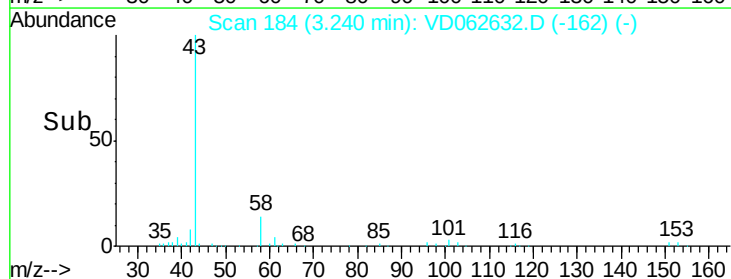
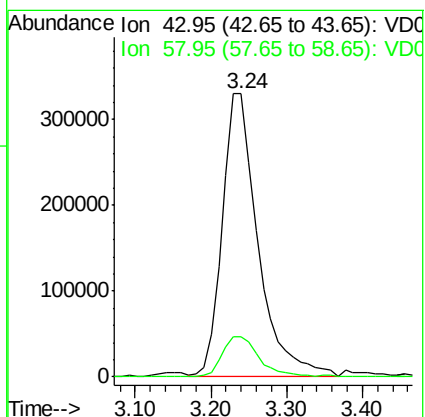
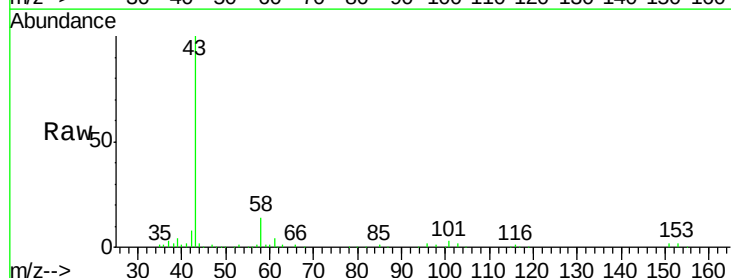
Acq: 6 Jun 2019 18:42

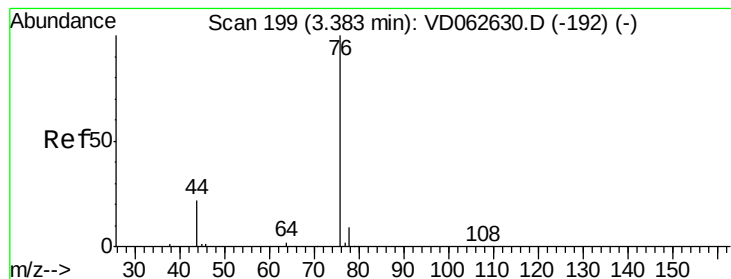
Tgt Ion: 43 Resp: 1084762

Ion Ratio Lower Upper

43 100

58 14.1 11.3 16.9





#17

Carbon Disulfide

Concen: 104.035 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

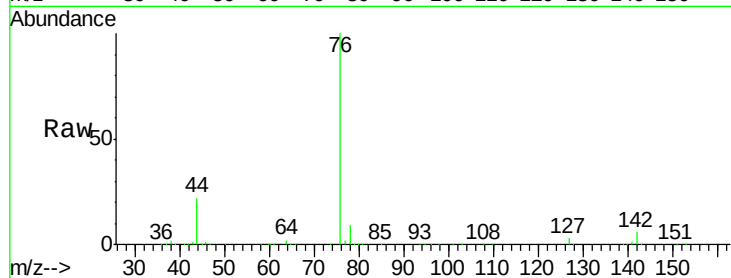
VSTDIC100

Tot Ion: 76 Resp: 2103109

Ion Ratio Lower Upper

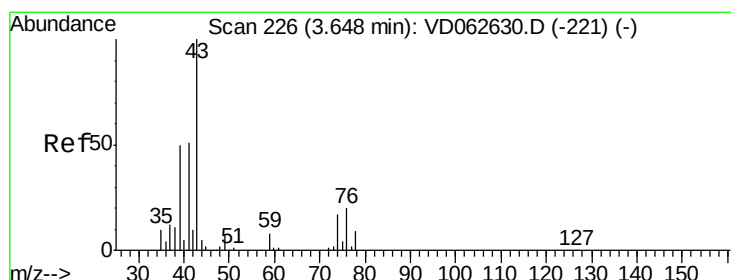
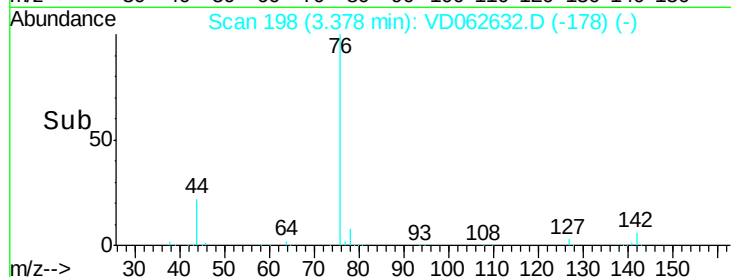
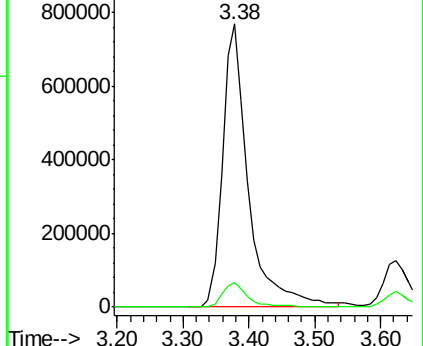
76 100

78 8.6 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 91.591 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062632.D

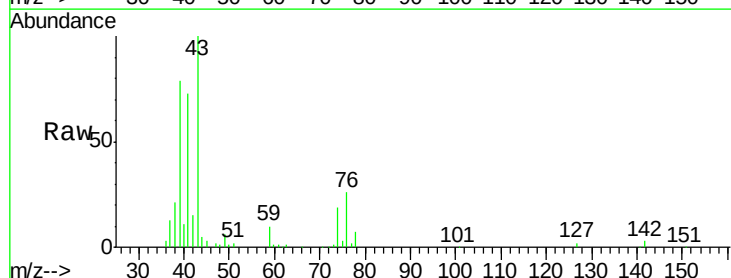
Acq: 6 Jun 2019 18:42

Tgt Ion: 43 Resp: 319534

Ion Ratio Lower Upper

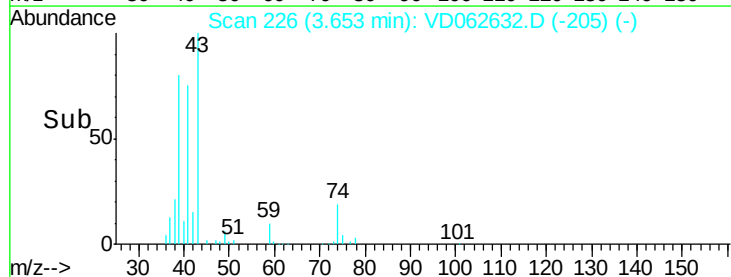
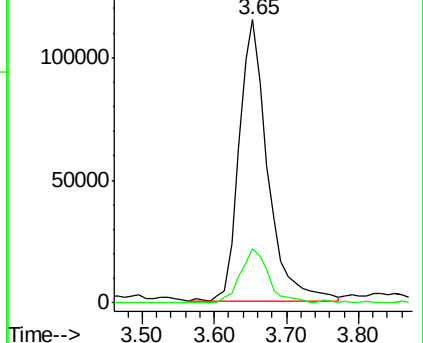
43 100

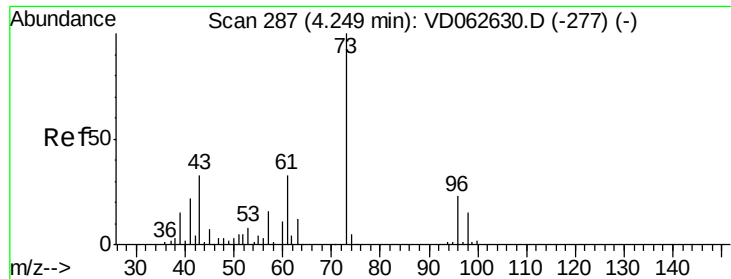
74 19.0 13.4 20.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

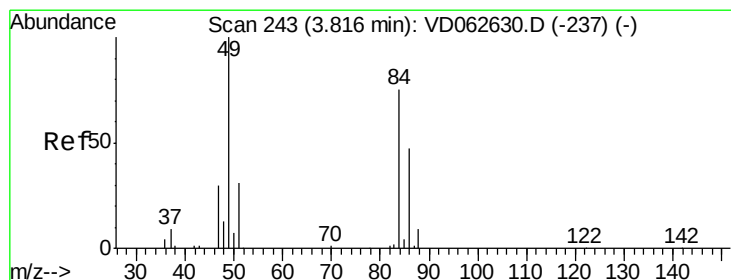
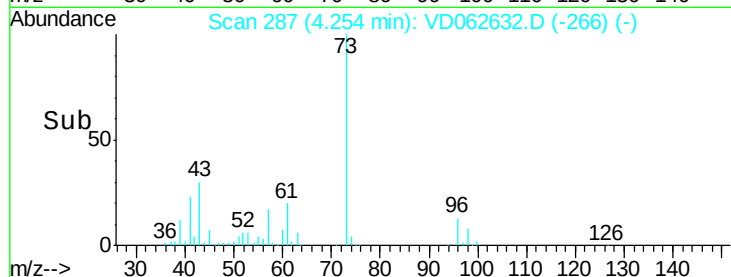
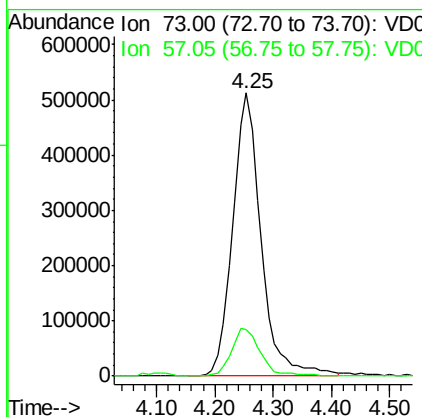
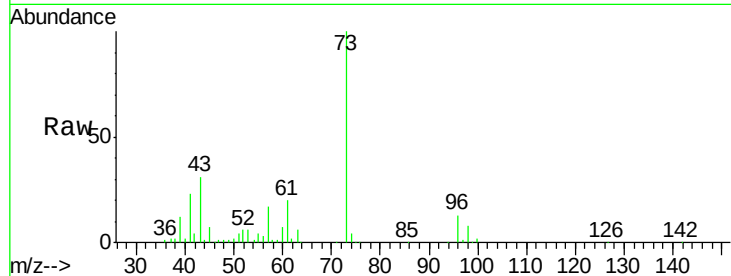




#19
Methyl tert-butyl Ether
Concen: 102.496 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

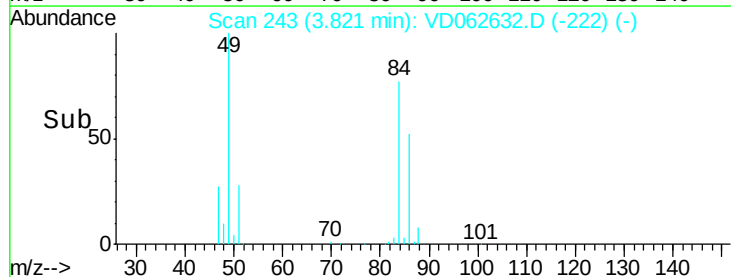
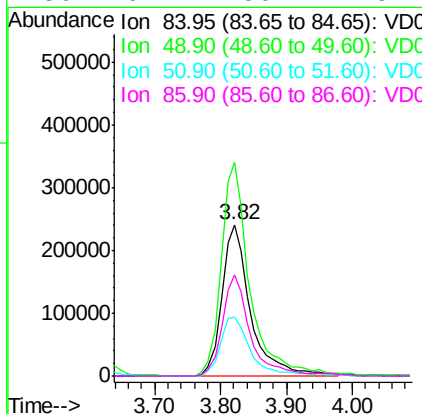
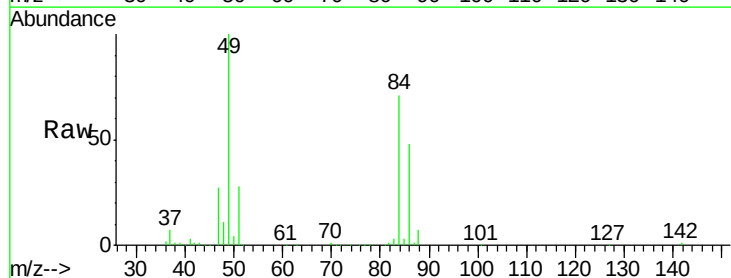
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

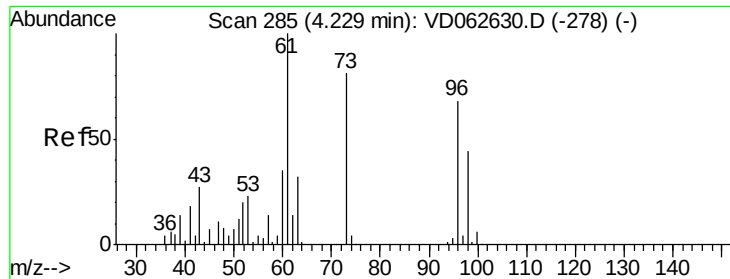
Tot Ion: 73 Resp: 1738141
Ion Ratio Lower Upper
73 100
57 16.7 13.4 20.0



#20
Methylene Chloride
Concen: 96.102 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion: 84 Resp: 731548
Ion Ratio Lower Upper
84 100
49 141.0 107.1 160.7
51 38.9 33.5 50.3
86 67.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 97.060 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

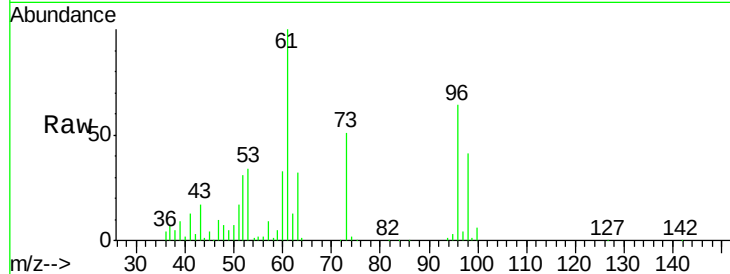
Tot Ion: 96 Resp: 741186

Ion Ratio Lower Upper

96 100

61 155.3 118.0 177.0

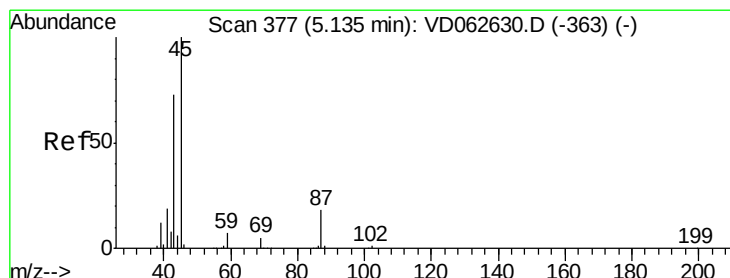
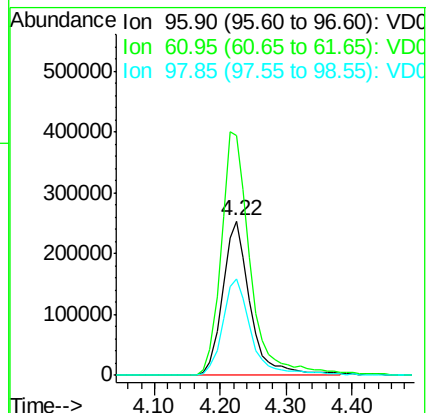
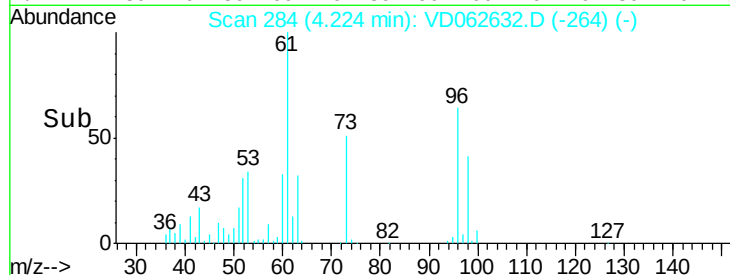
98 62.9 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 107.542 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Tgt Ion: 45 Resp: 2385932

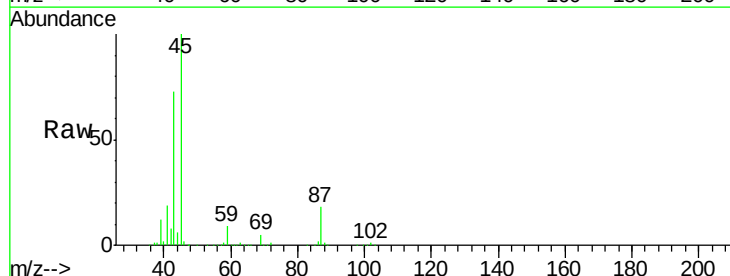
Ion Ratio Lower Upper

45 100

43 72.7 58.7 88.1

87 17.9 14.6 21.8

59 9.2 6.4 9.6

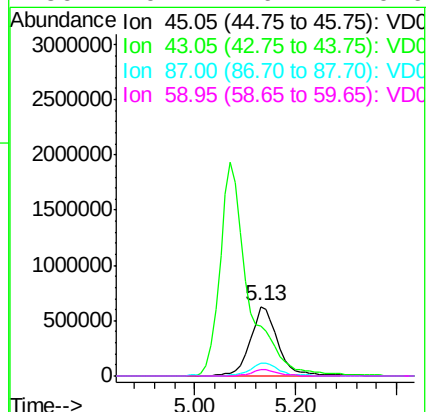
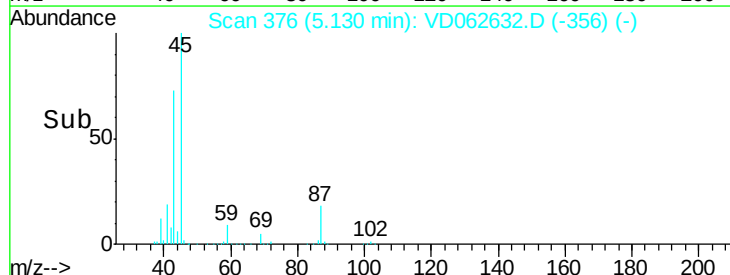


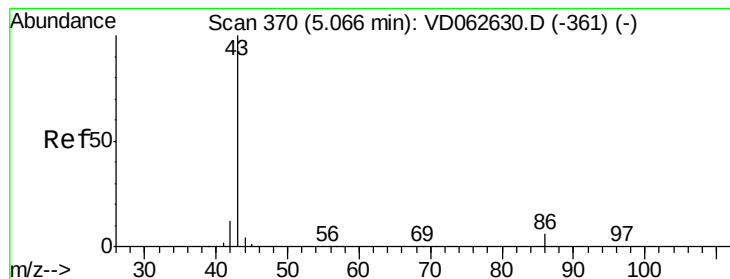
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 546.101 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

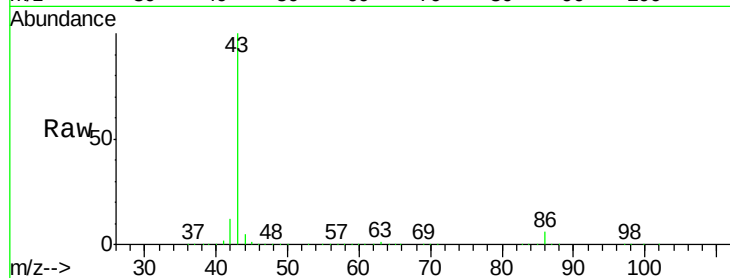
VSTDIC100

Tot Ion: 43 Resp: 7453391

Ion Ratio Lower Upper

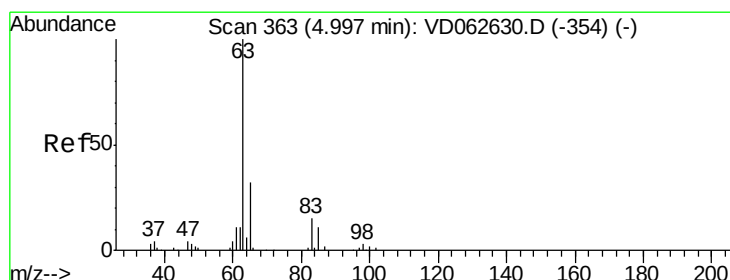
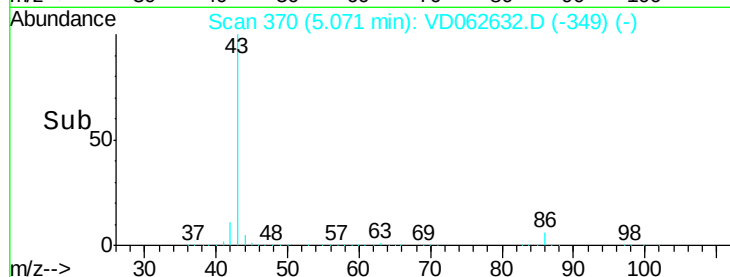
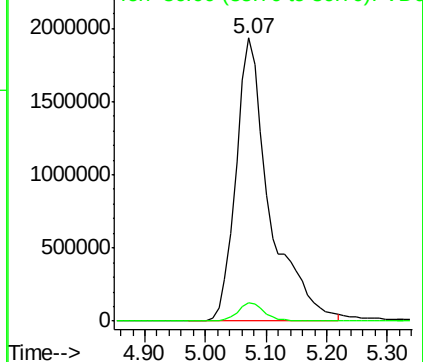
43 100

86 6.3 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 106.080 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

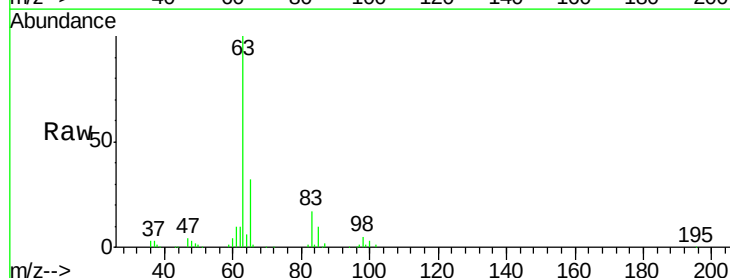
Tgt Ion: 63 Resp: 1497406

Ion Ratio Lower Upper

63 100

98 4.6 1.7 5.1

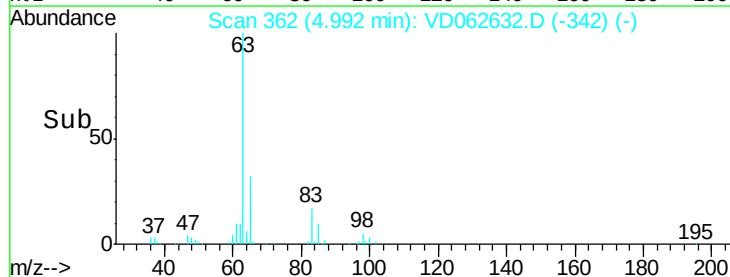
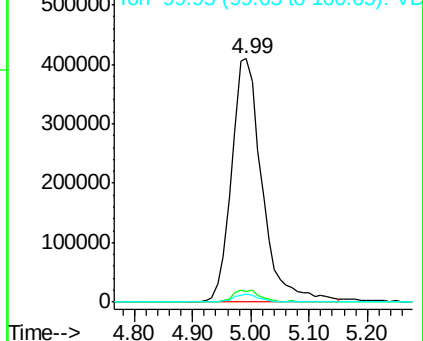
100 3.3 1.0 3.0#

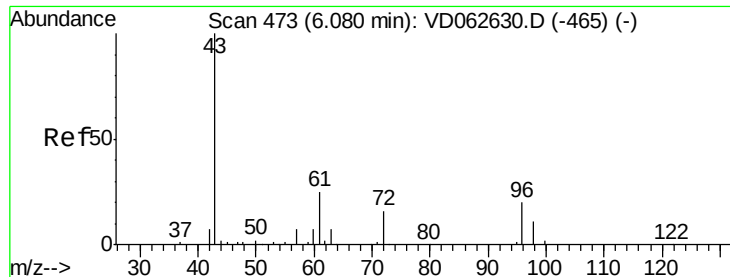


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 544.865 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

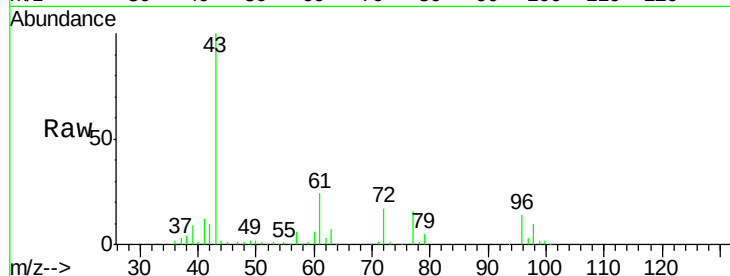
VSTDIC100

Tot Ion: 43 Resp: 1010777

Ion Ratio Lower Upper

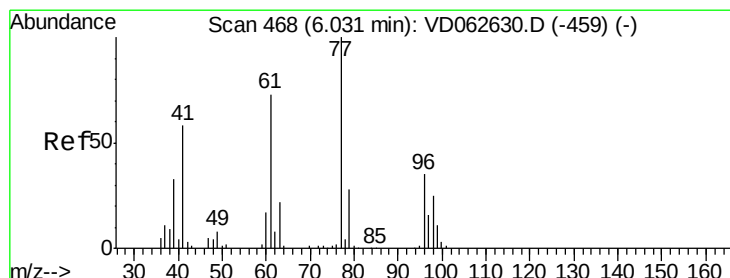
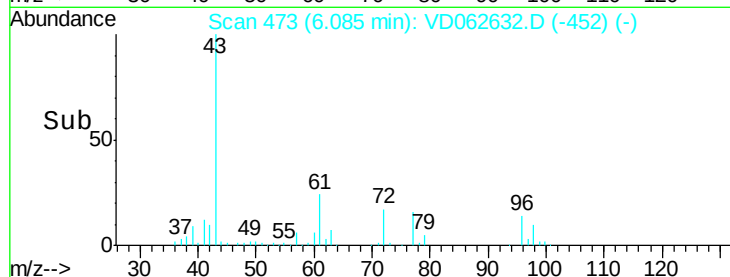
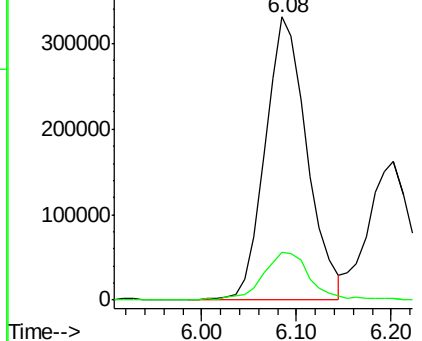
43 100

72 16.7 12.9 19.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 103.105 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062632.D

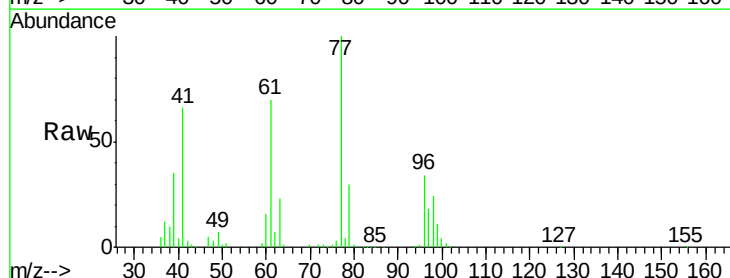
Acq: 6 Jun 2019 18:42

Tgt Ion: 77 Resp: 1589937

Ion Ratio Lower Upper

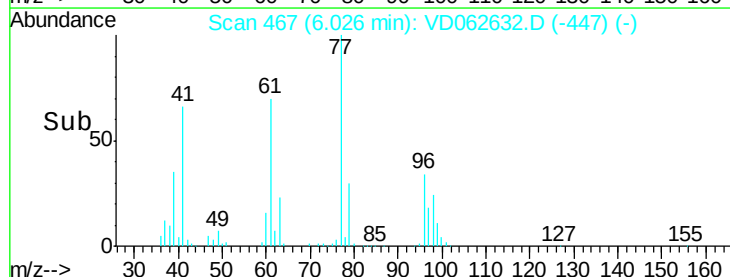
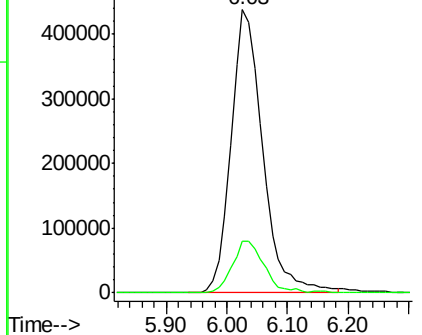
77 100

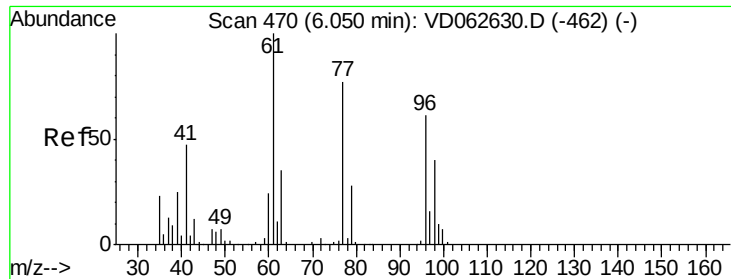
97 18.5 7.9 23.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



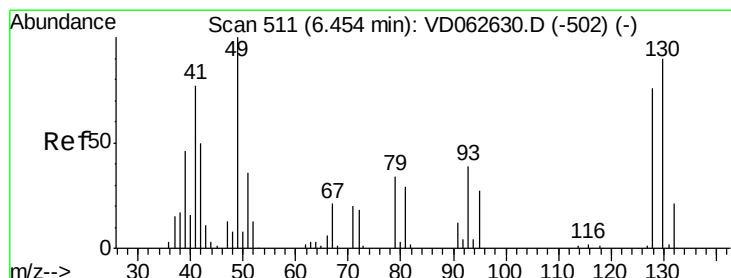
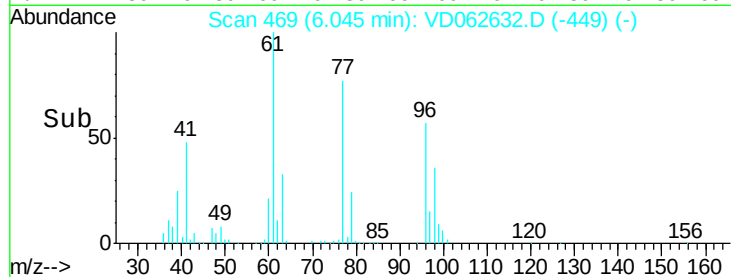
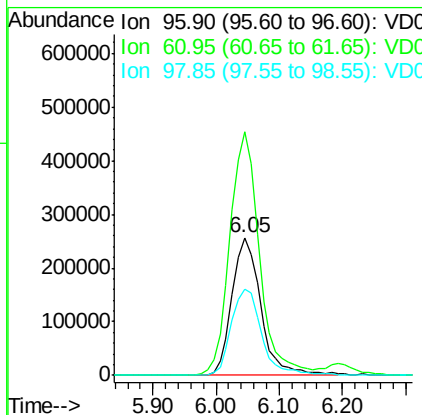
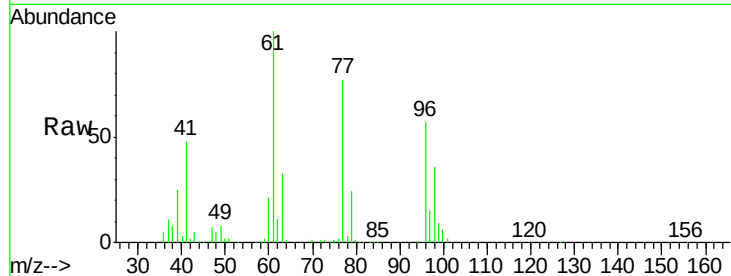


#27

cis-1,2-Dichloroethene
 Concen: 100.502 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

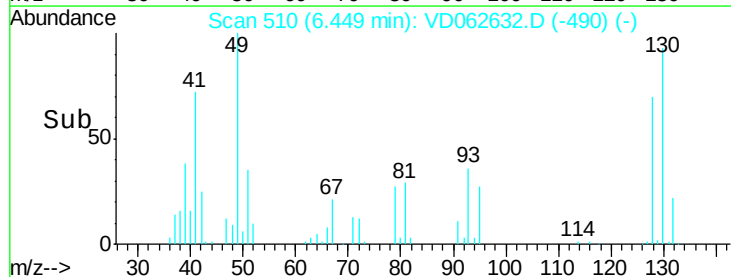
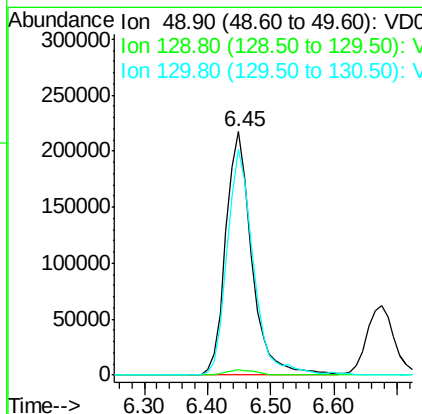
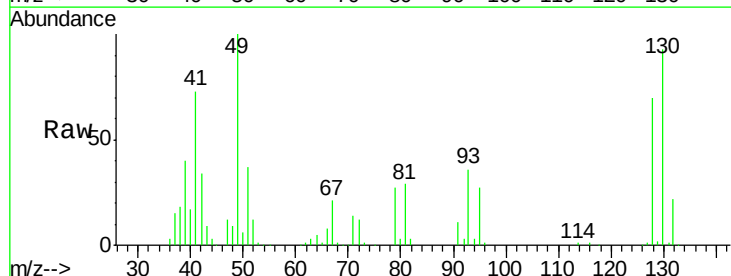
Tot Ion	Ratio	Lower	Upper
96	100		
61	176.7	0.0	330.2
98	62.8	0.0	132.4

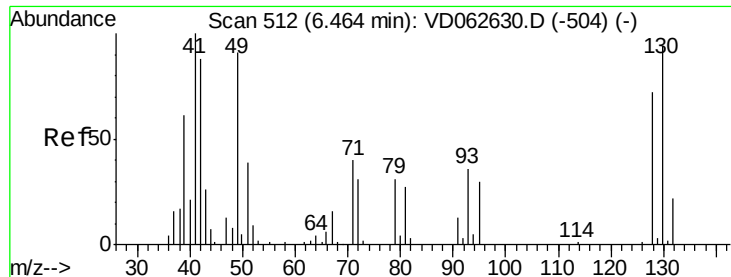


#28

Bromochloromethane
 Concen: 116.024 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	0.0#
130	92.9	72.2	108.2

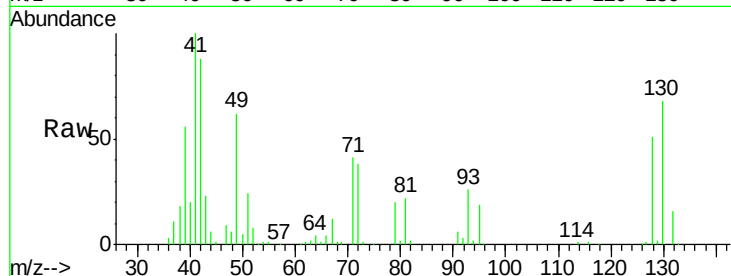




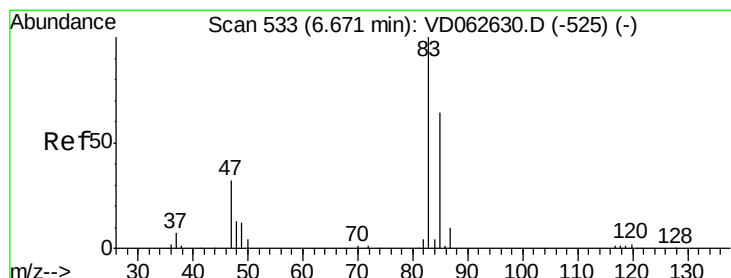
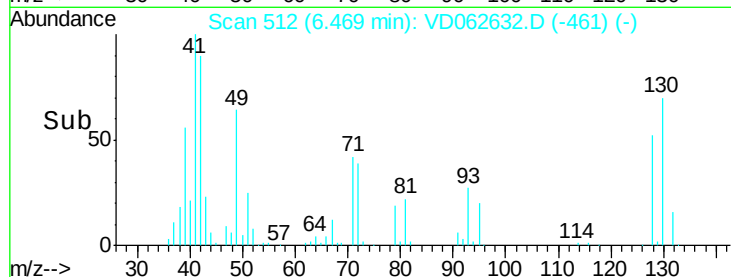
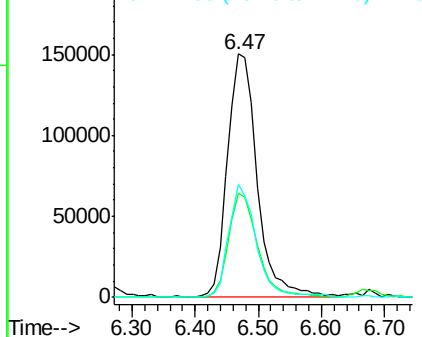
#29
Tetrahydrofuran
Concen: 566.268 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 489985
Ion Ratio Lower Upper
42 100
72 41.9 31.4 47.2
71 43.2 34.0 51.0

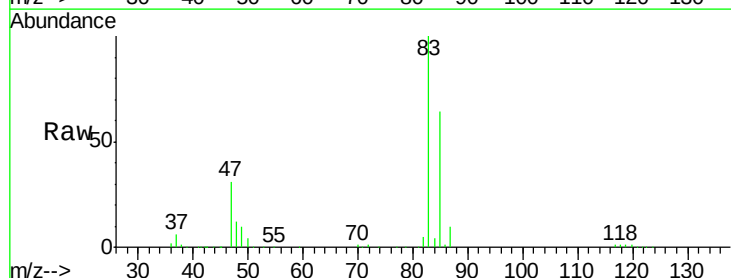


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

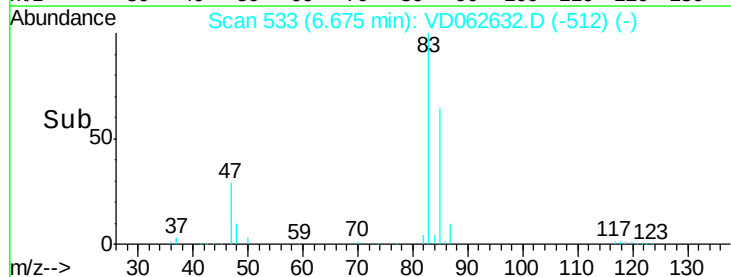
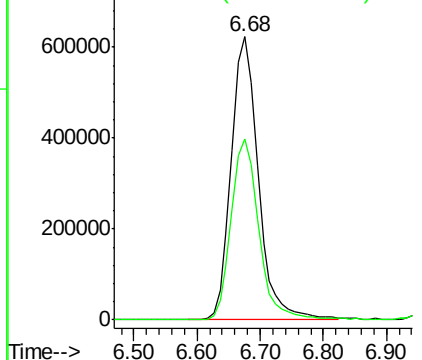


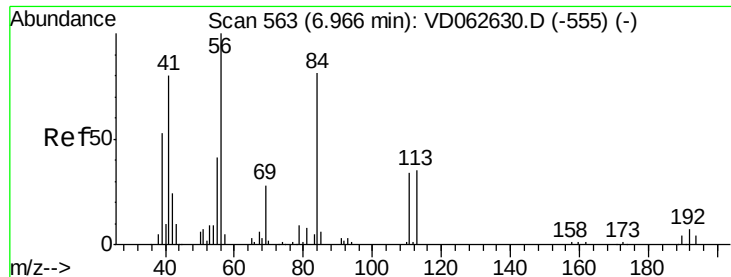
#30
Chloroform
Concen: 104.966 ug/l
RT: 6.68 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion: 83 Resp: 1854805
Ion Ratio Lower Upper
83 100
85 63.8 51.0 76.6



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

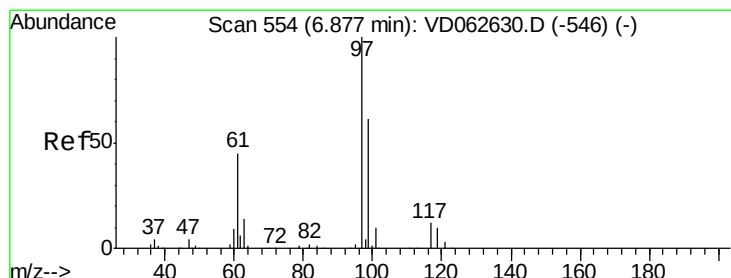
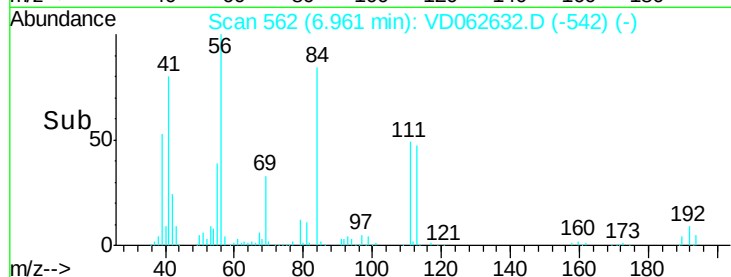
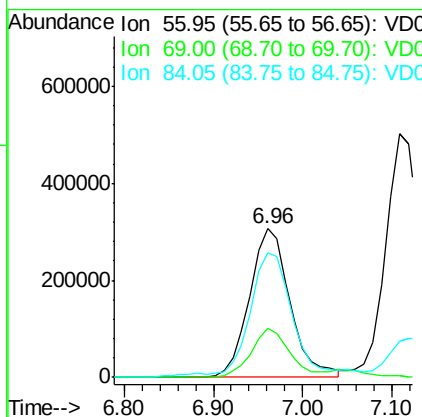
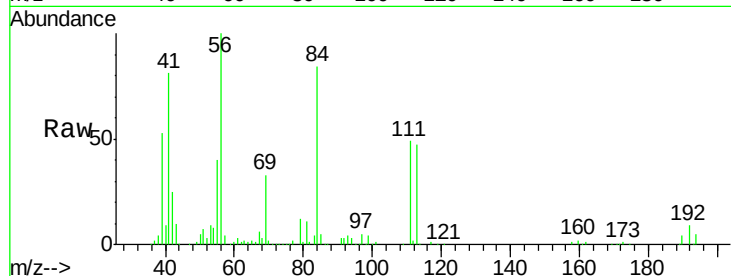




#31
Cyclohexane
Concen: 105.731 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

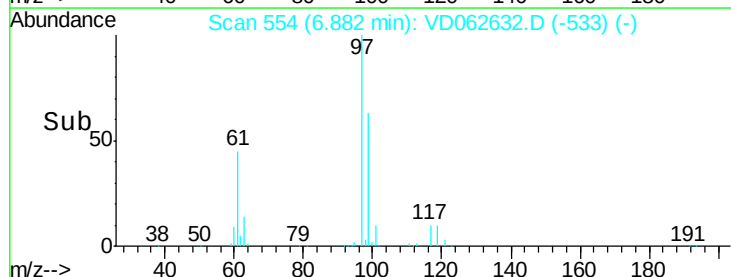
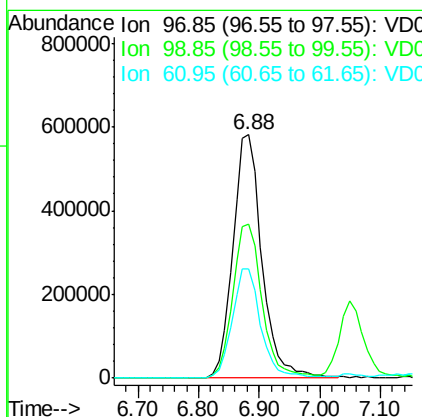
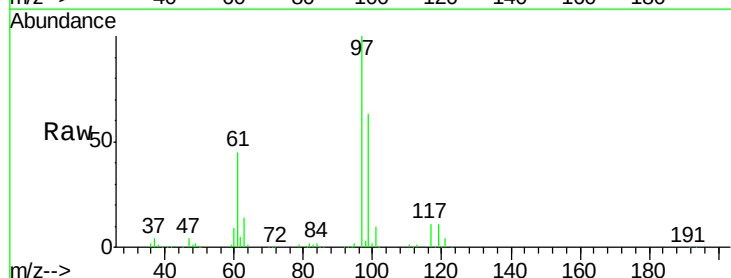
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

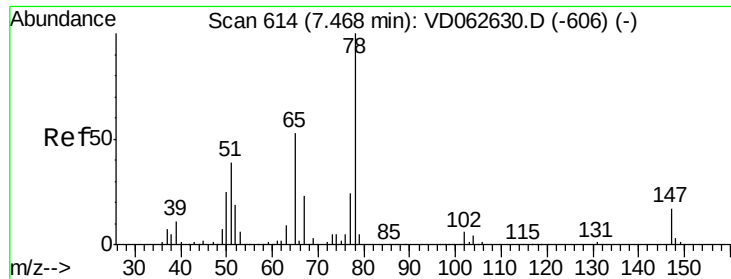
Tot Ion: 56 Resp: 959507
Ion Ratio Lower Upper
56 100
69 32.7 22.4 33.6
84 83.8 67.8 101.8



#32
1,1,1-Trichloroethane
Concen: 107.707 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion: 97 Resp: 1932138
Ion Ratio Lower Upper
97 100
99 63.1 49.0 73.6
61 45.1 36.2 54.2

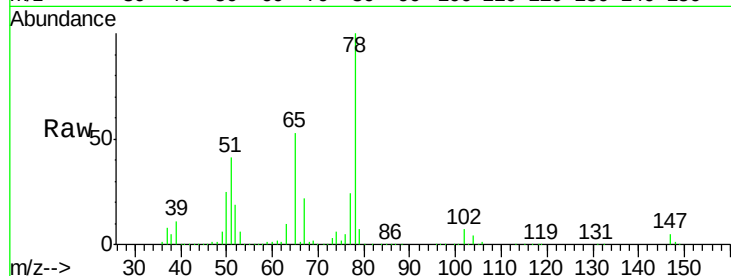




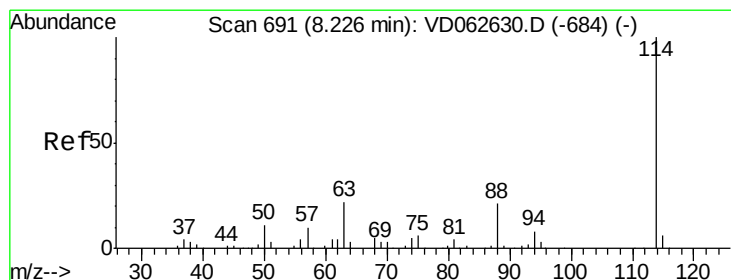
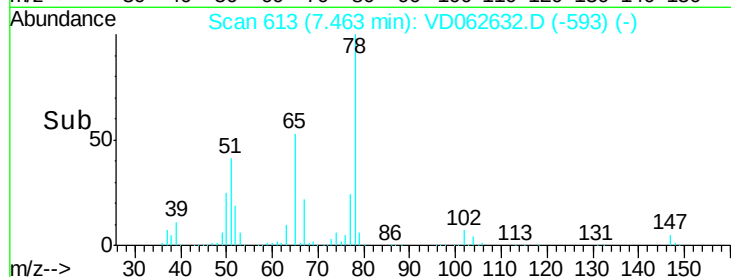
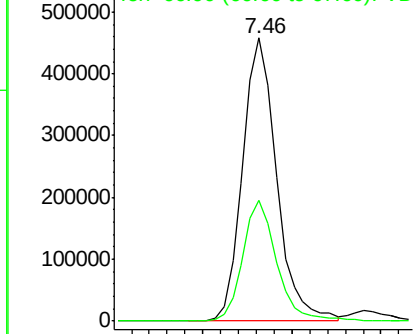
#33
 1,2-Dichloroethane-d4
 Concen: 109.876 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1213777
 Ion Ratio Lower Upper
 65 100
 67 42.6 0.0 86.0

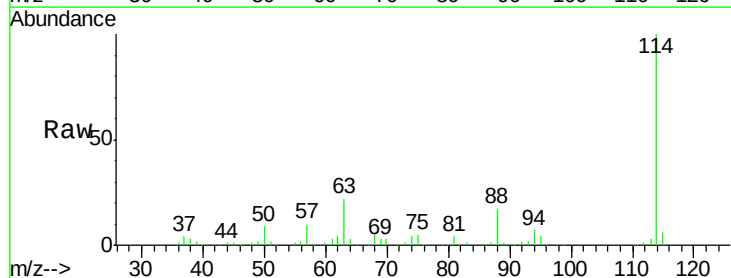


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

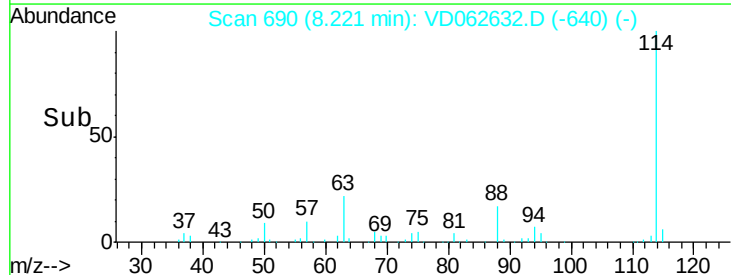
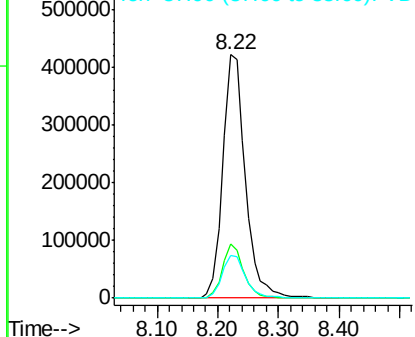


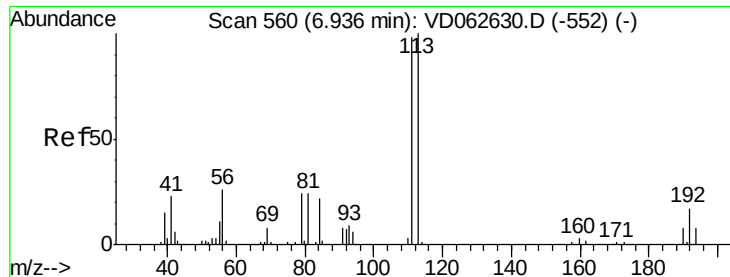
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion: 114 Resp: 1095289
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.6
 88 17.4 0.0 41.4



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 106.427 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

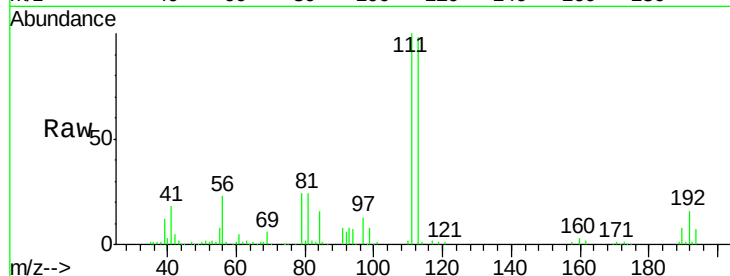
Tot Ion:113 Resp: 1189418

Ion Ratio Lower Upper

113 100

111 102.0 78.5 117.7

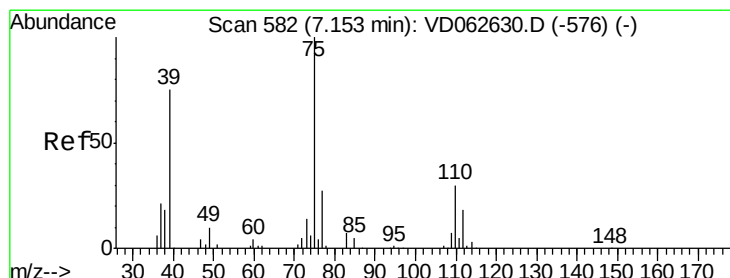
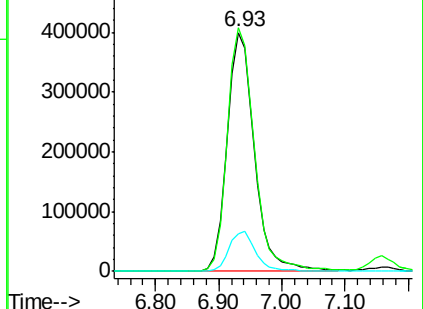
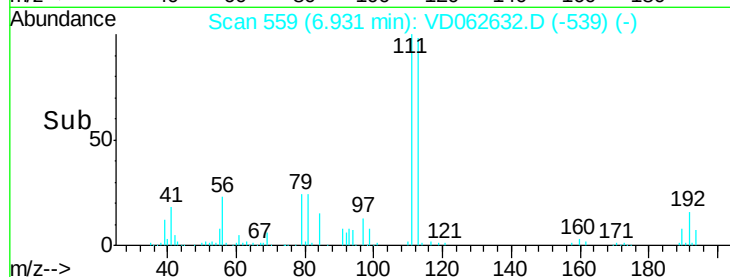
192 15.9 13.8 20.6



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: 96.869 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

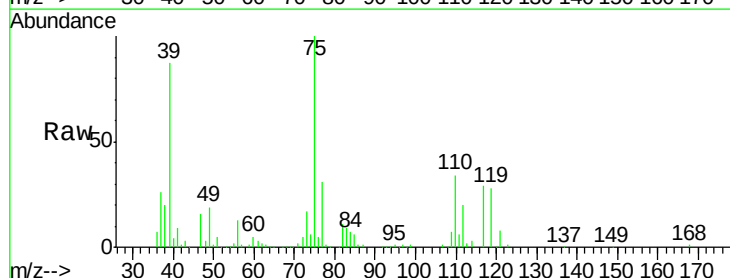
Tgt Ion: 75 Resp: 1148589

Ion Ratio Lower Upper

75 100

110 33.7 14.8 44.3

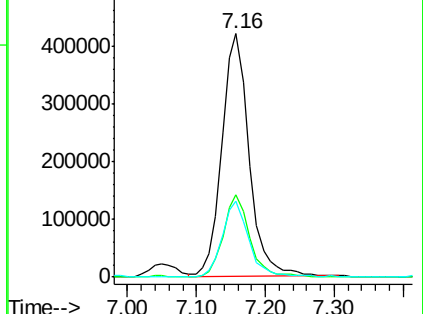
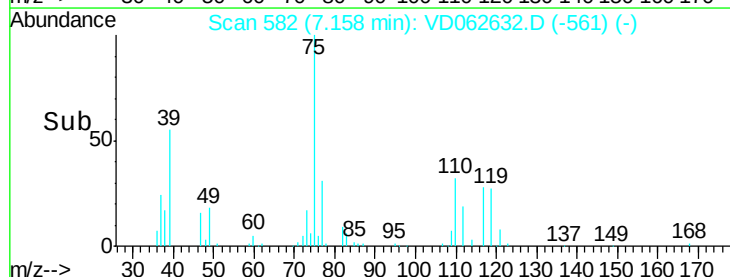
77 31.4 21.8 32.6

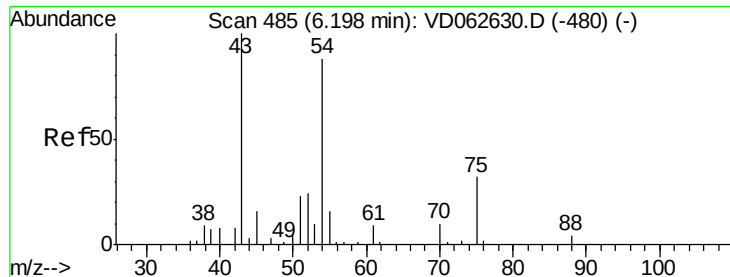


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

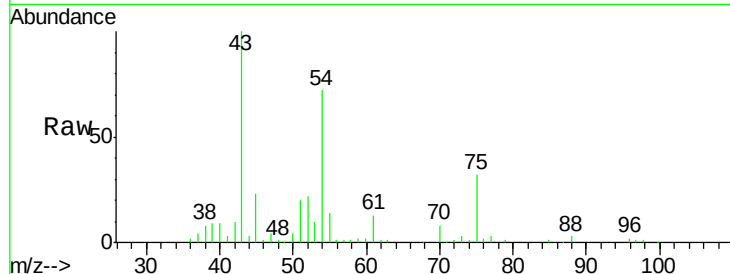




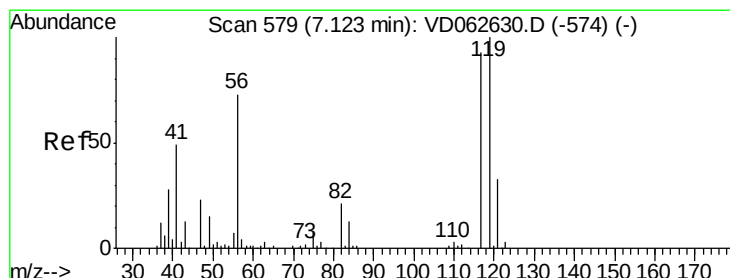
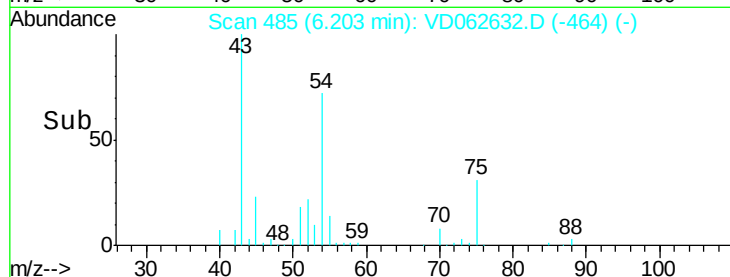
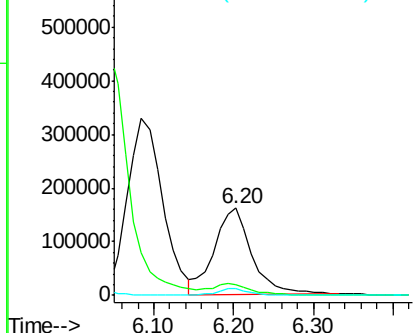
#37
Ethyl Acetate
Concen: 111.460 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 529605
Ion Ratio Lower Upper
43 100
61 12.8 11.7 17.5
70 7.7 6.2 9.4

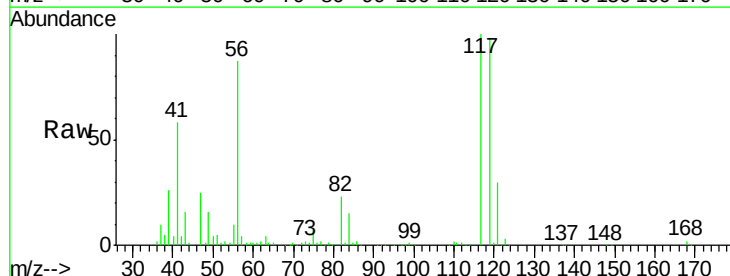


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

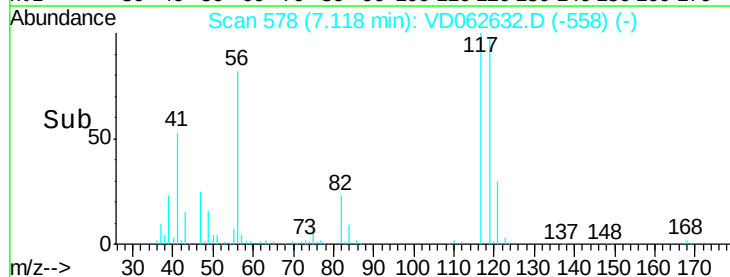
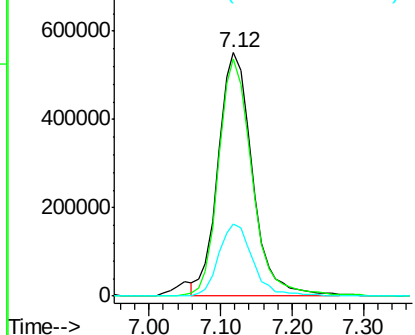


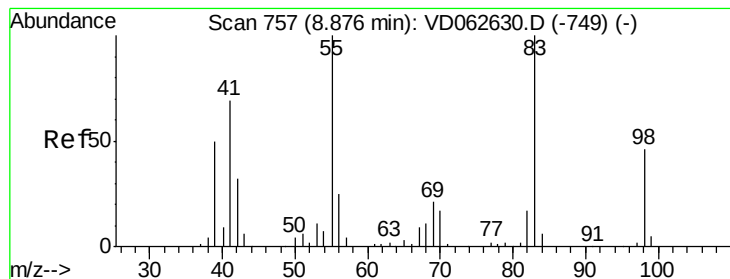
#38
Carbon Tetrachloride
Concen: 104.273 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion: 117 Resp: 1841951
Ion Ratio Lower Upper
117 100
119 97.5 81.0 121.4
121 29.7 26.2 39.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 103.081 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

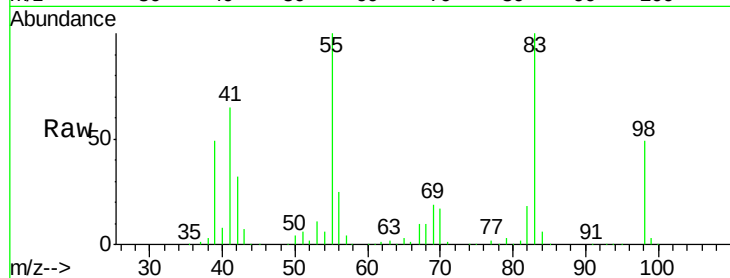
Tot Ion: 83 Resp: 1024012

Ion Ratio Lower Upper

83 100

55 99.9 79.8 119.8

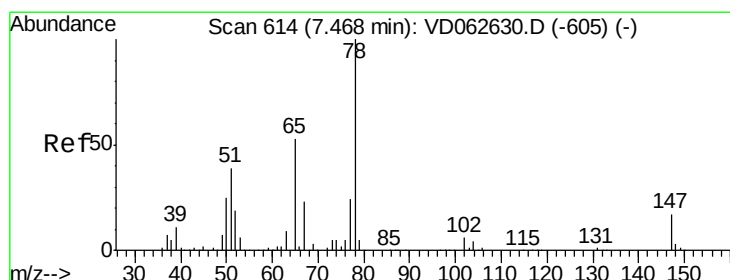
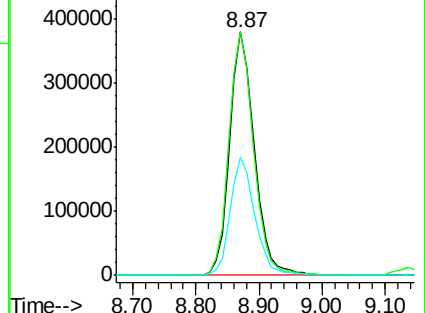
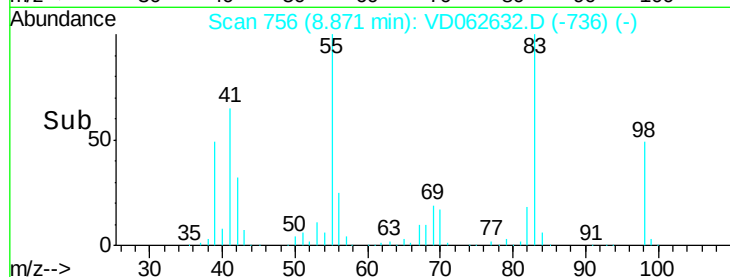
98 48.7 36.9 55.3



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: 106.051 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062632.D

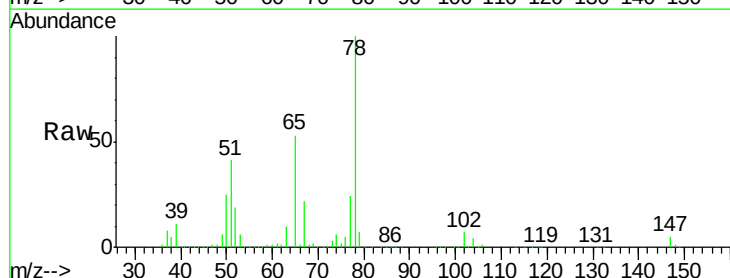
Acq: 6 Jun 2019 18:42

Tgt Ion: 78 Resp: 2427764

Ion Ratio Lower Upper

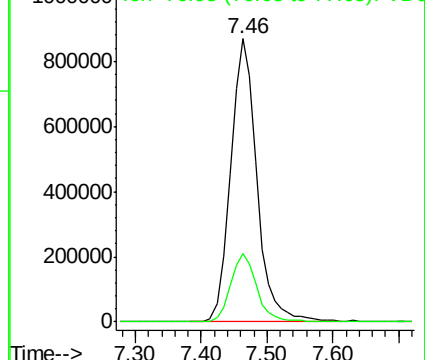
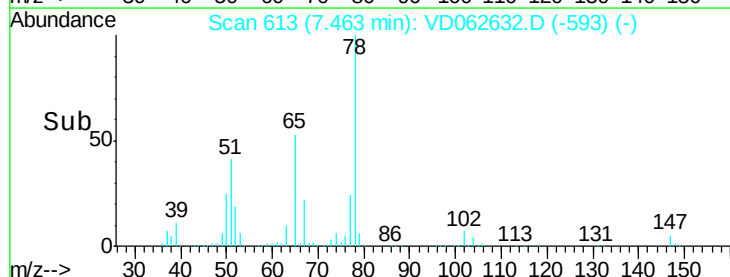
78 100

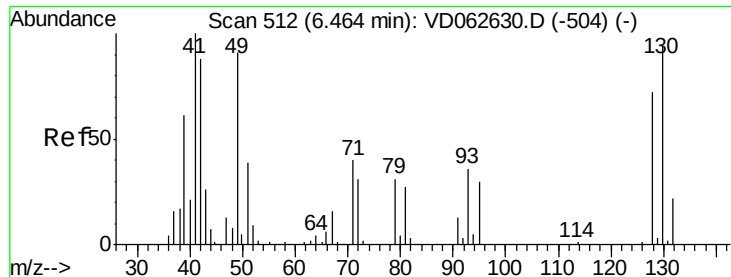
77 24.3 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 111.814 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

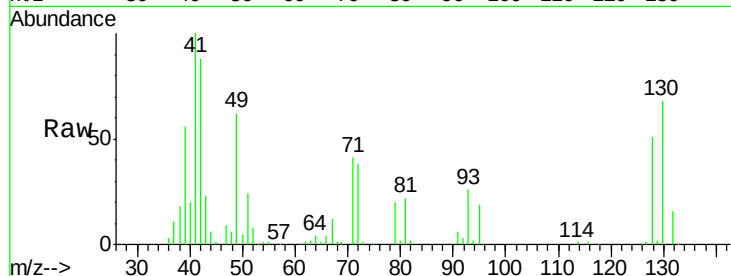
ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 680585

Ion Ratio Lower Upper

41	100		
39	55.6	48.9	73.3
67	11.7	12.6	18.8
52	7.9	7.5	11.3



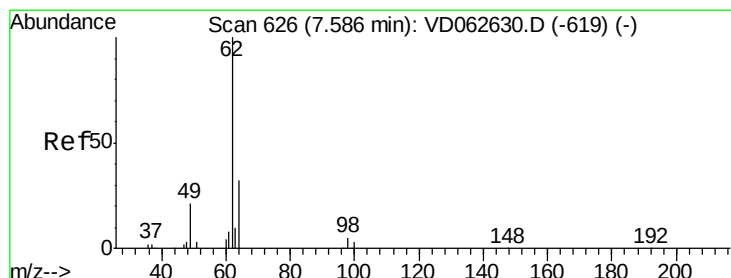
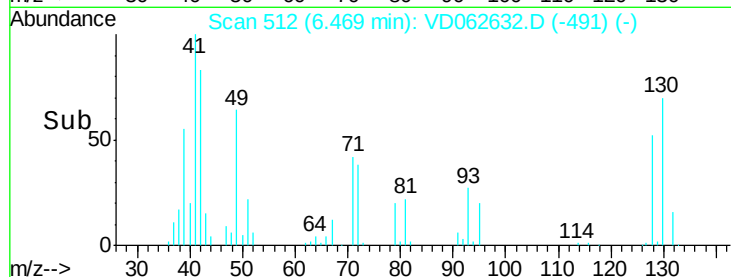
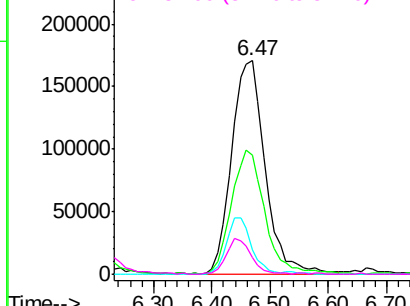
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 106.801 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.00 min

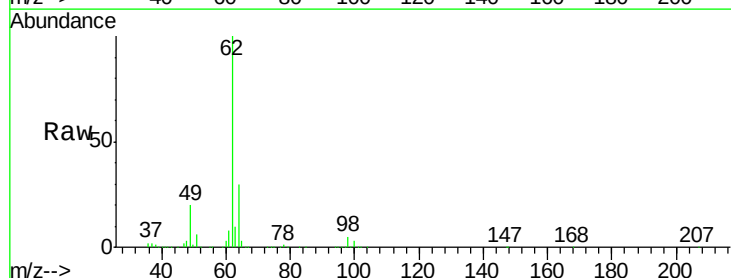
Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Tgt Ion: 62 Resp: 1460431

Ion Ratio Lower Upper

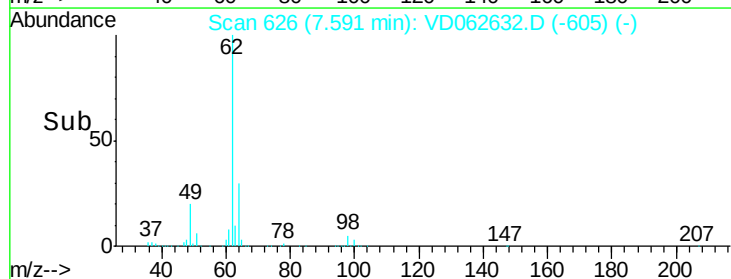
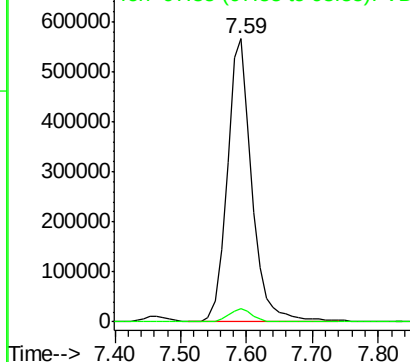
62	100		
98	4.7	0.0	9.6

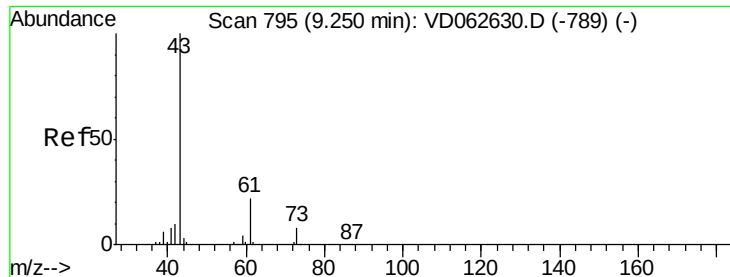


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 108.061 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

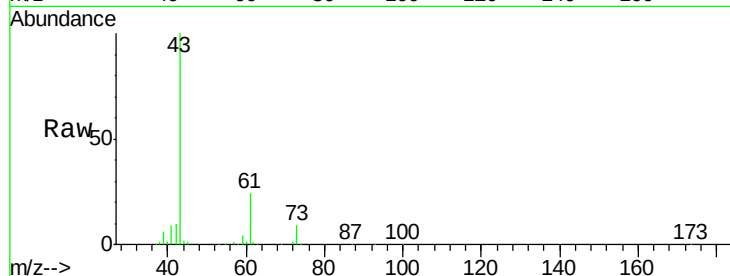
Tot Ion: 43 Resp: 697922

Ion Ratio Lower Upper

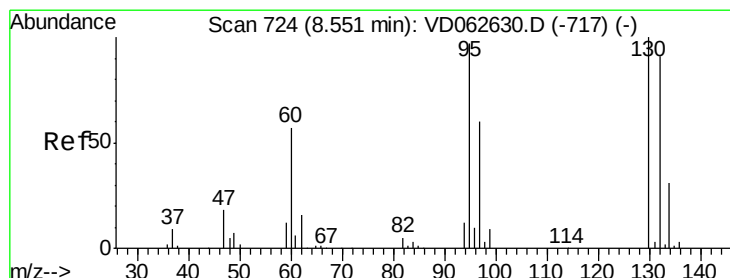
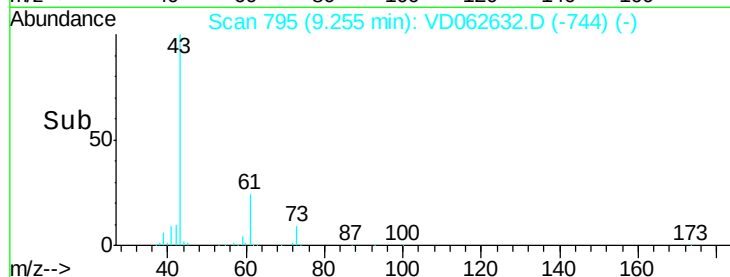
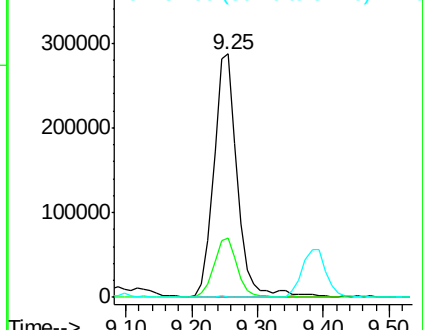
43 100

61 24.2 17.8 26.8

87 0.3 0.3 0.5



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: 100.110 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062632.D

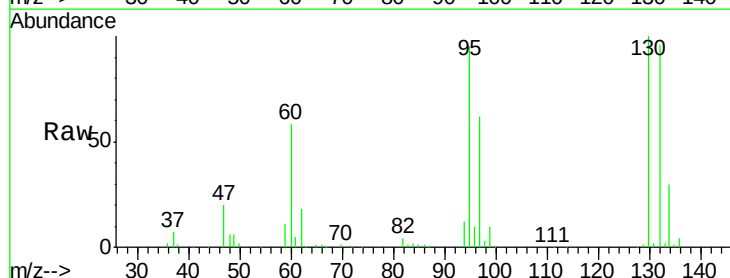
Acq: 6 Jun 2019 18:42

Tgt Ion:130 Resp: 945638

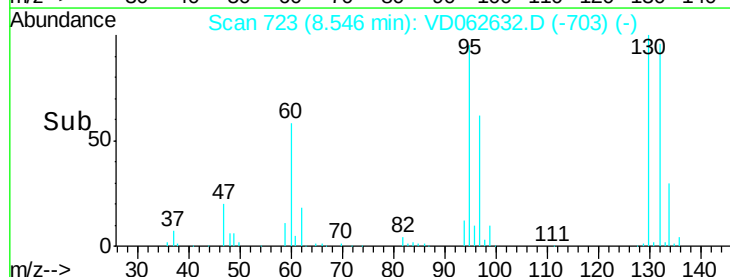
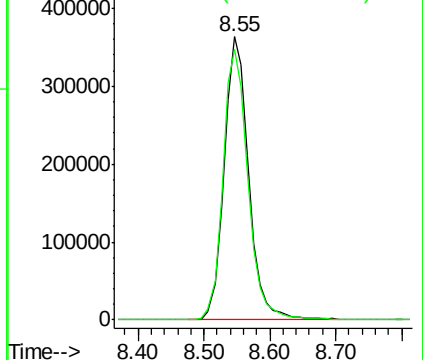
Ion Ratio Lower Upper

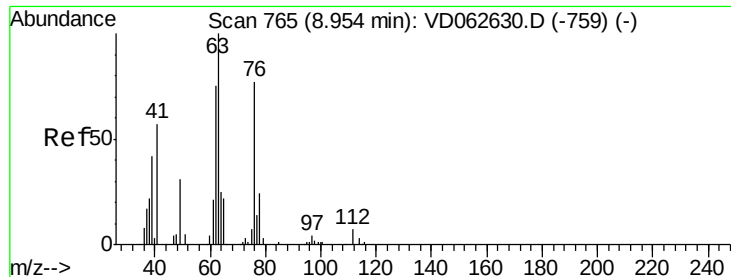
130 100

95 95.4 0.0 193.2



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





#45

1,2-Dichloropropane

Concen: 105.380 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

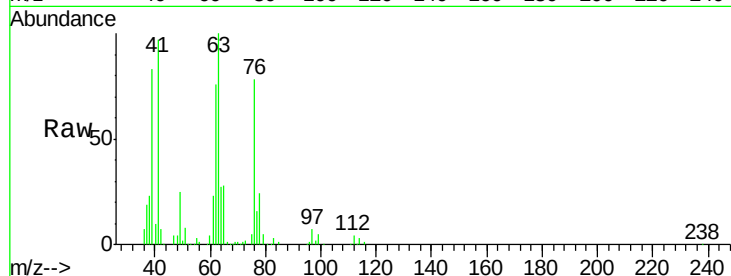
VSTDIC100

Tot Ion: 63 Resp: 599820

Ion Ratio Lower Upper

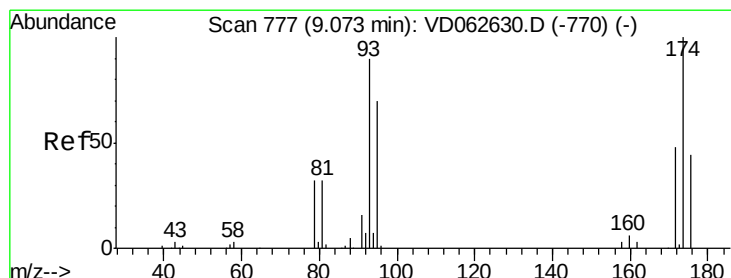
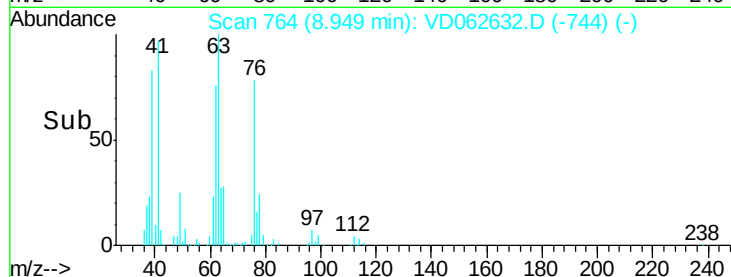
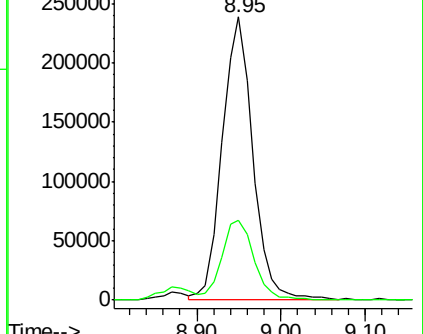
63 100

65 28.4 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 105.559 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

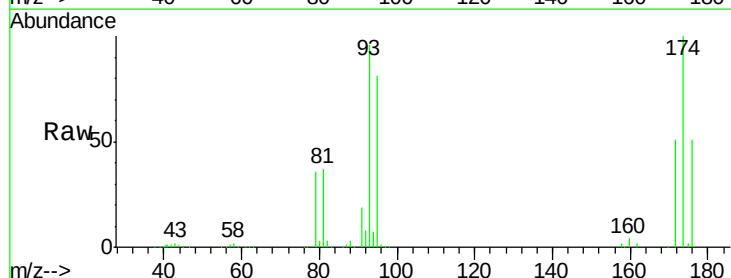
Tgt Ion: 93 Resp: 532956

Ion Ratio Lower Upper

93 100

95 84.2 62.8 94.2

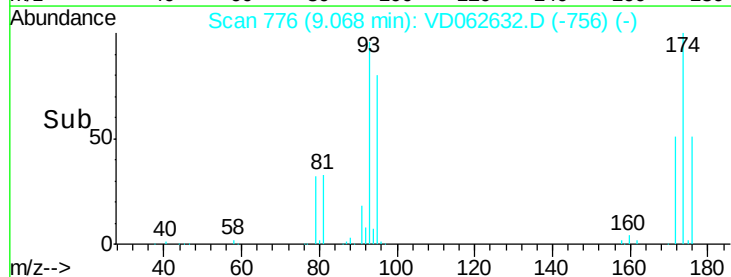
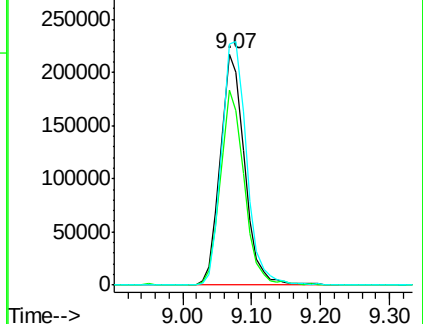
174 104.4 89.1 133.7

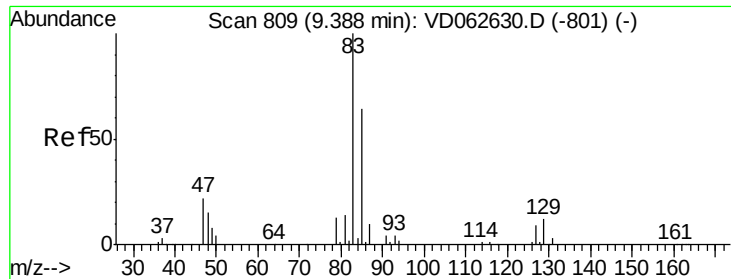


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 104.796 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

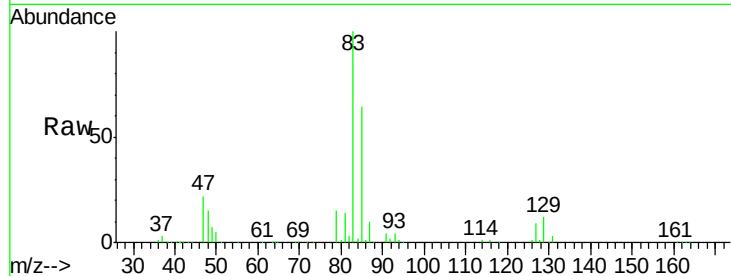
Tot Ion: 83 Resp: 1418142

Ion Ratio Lower Upper

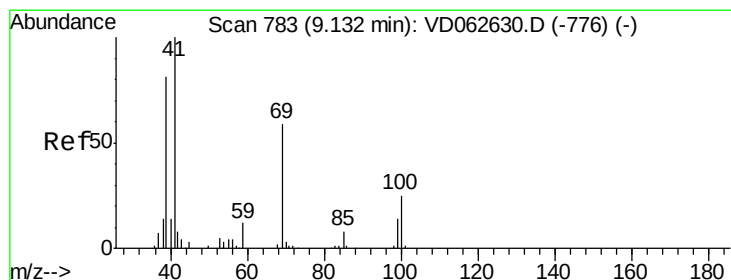
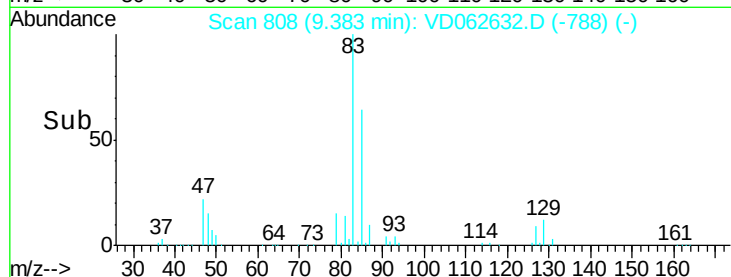
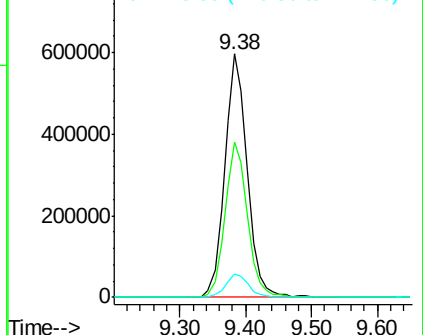
83 100

85 63.9 50.9 76.3

127 9.4 7.4 11.2



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): V



#48

Methyl methacrylate

Concen: 104.229 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

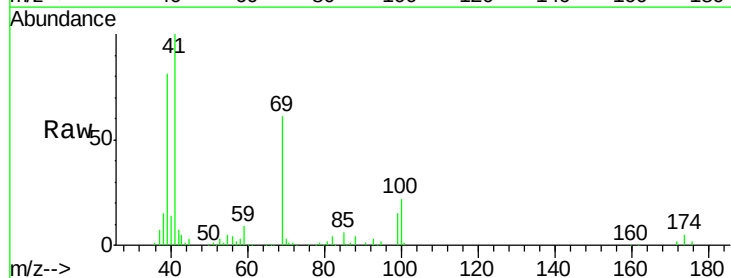
Tgt Ion: 41 Resp: 454284

Ion Ratio Lower Upper

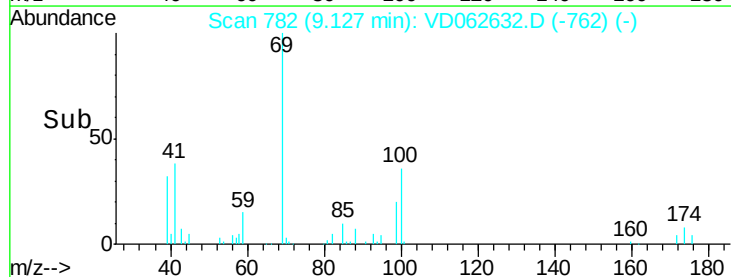
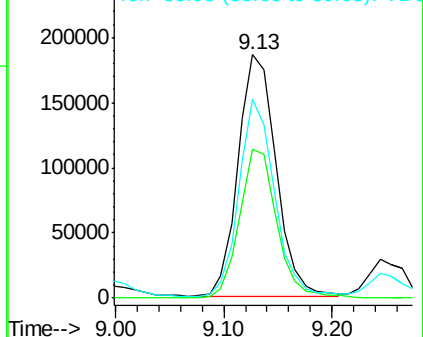
41 100

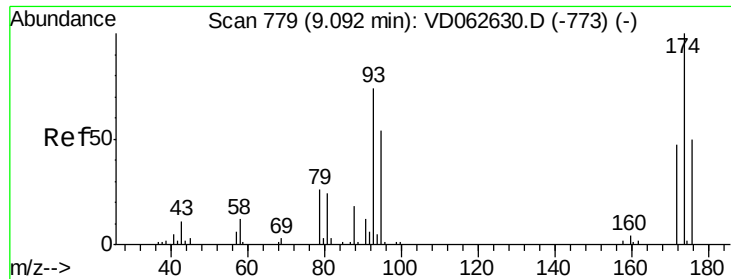
69 61.4 47.0 70.6

39 81.4 65.8 98.6



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

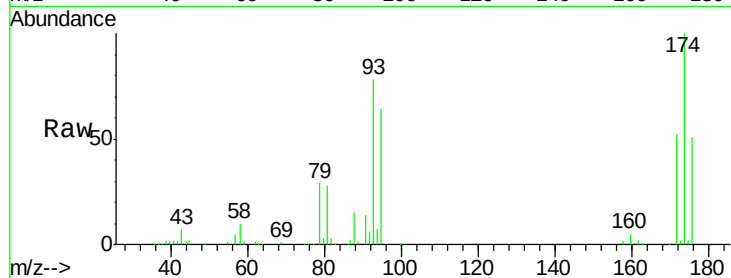




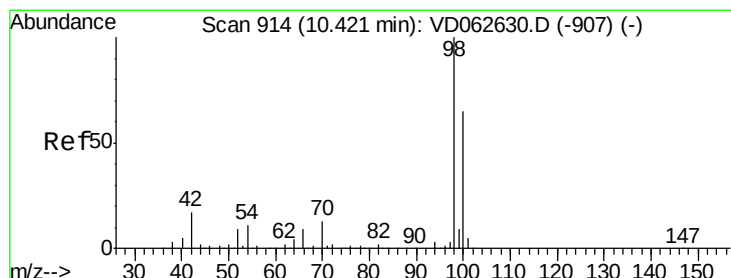
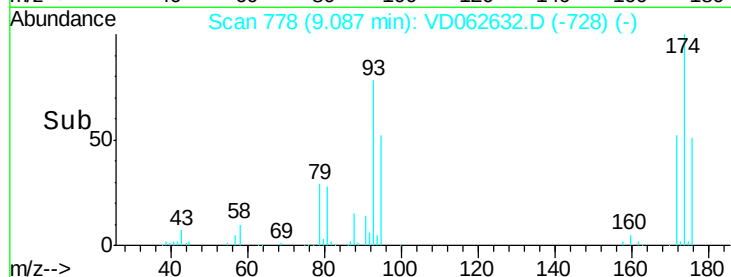
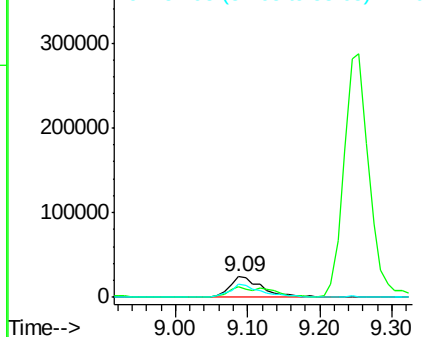
#49
1,4-Dioxane
Concen: 2200.818 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 76859
Ion Ratio Lower Upper
88 100
43 48.7 50.2 75.2#
58 66.9 56.2 84.4

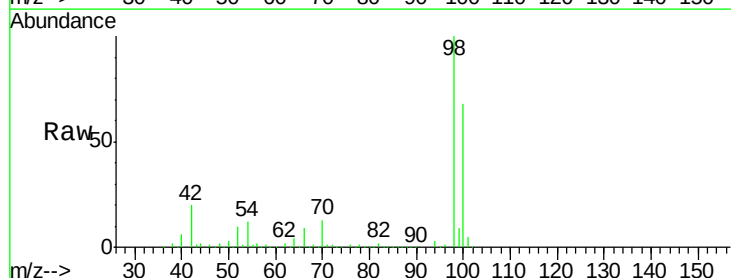


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

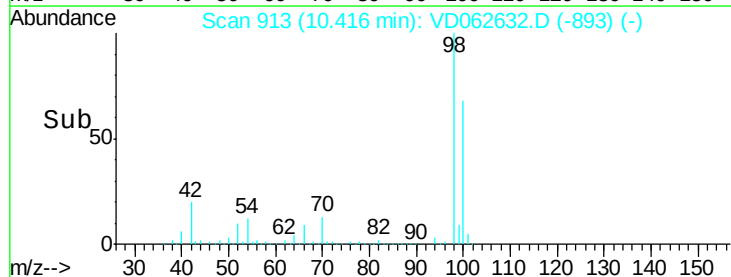
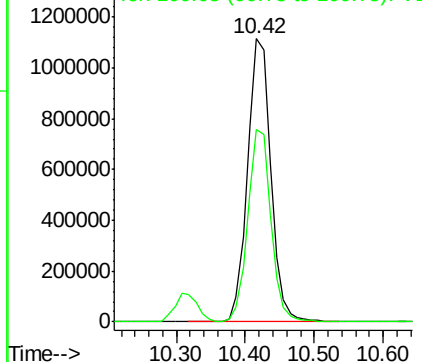


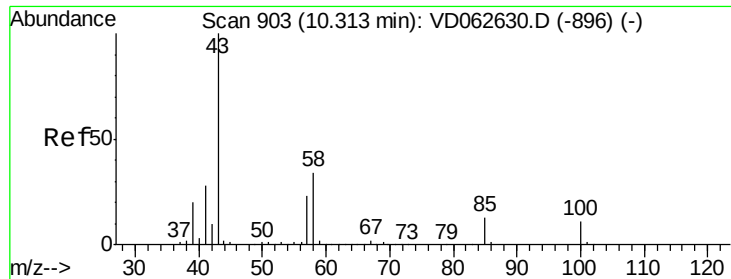
#50
Toluene-d8
Concen: 107.793 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion: 98 Resp: 2624729
Ion Ratio Lower Upper
98 100
100 68.0 52.1 78.1



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: 564.234 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

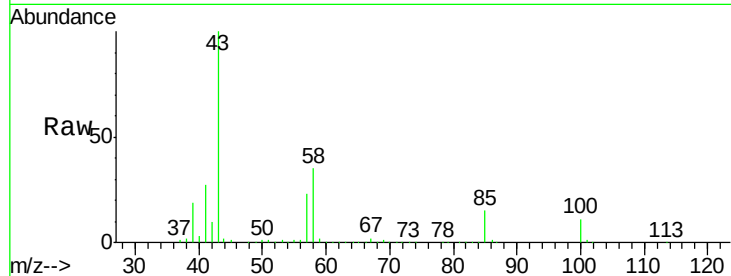
VSTDIC100

Tot Ion: 43 Resp: 2406228

Ion Ratio Lower Upper

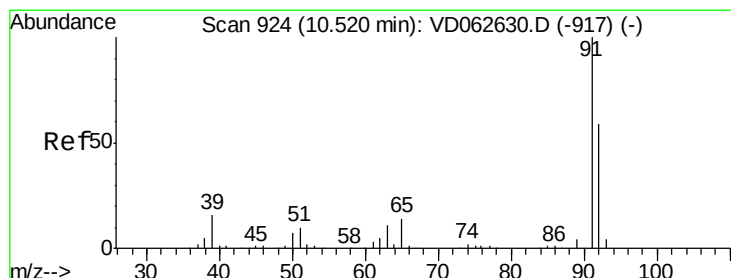
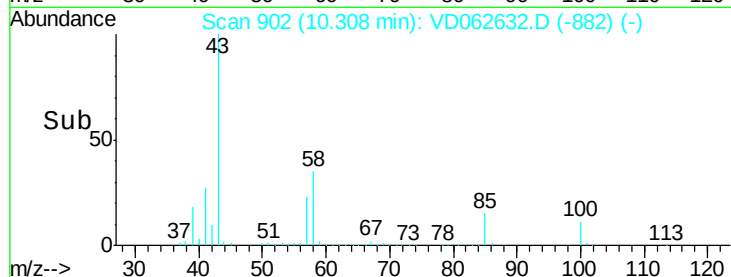
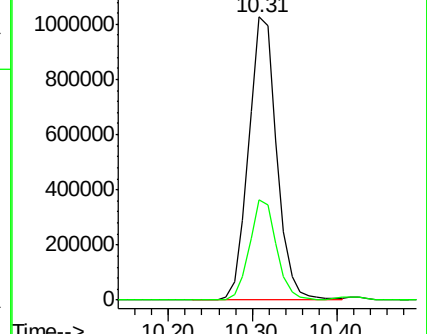
43 100

58 35.3 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 99.407 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062632.D

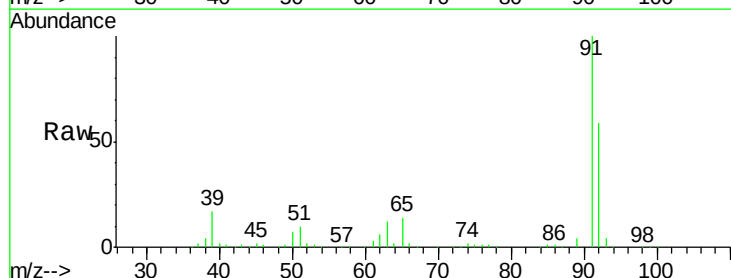
Acq: 6 Jun 2019 18:42

Tgt Ion: 92 Resp: 1535519

Ion Ratio Lower Upper

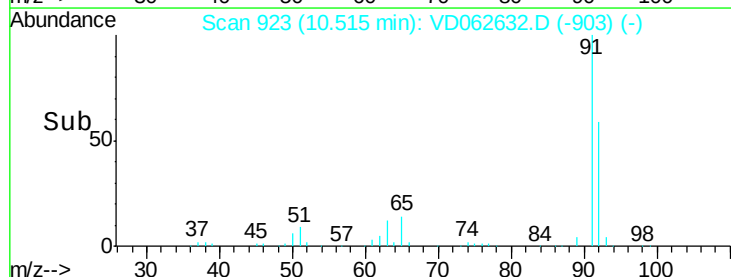
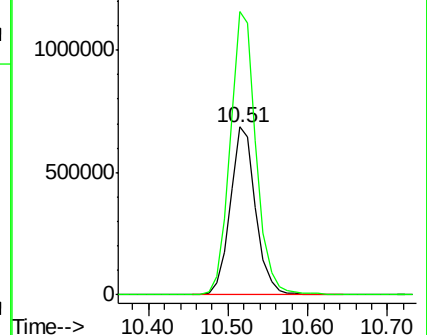
92 100

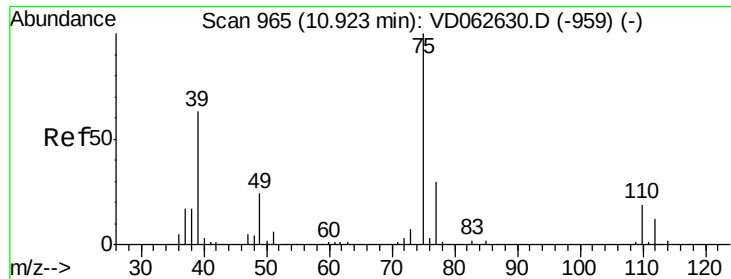
91 168.7 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

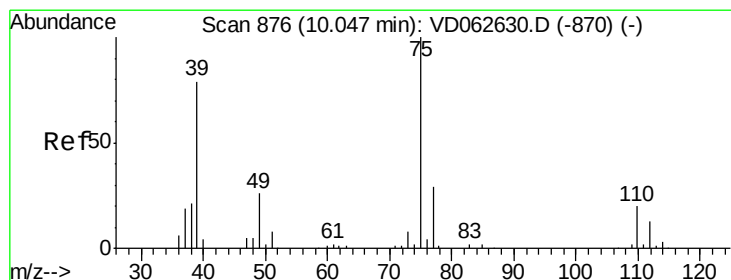
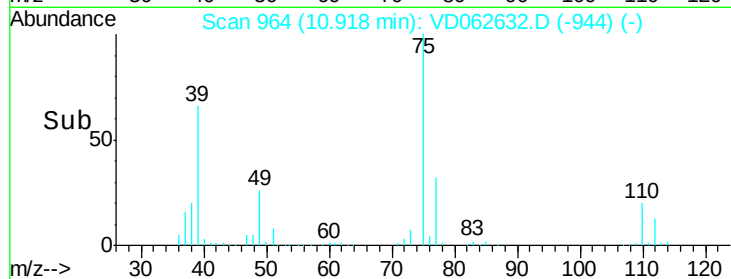
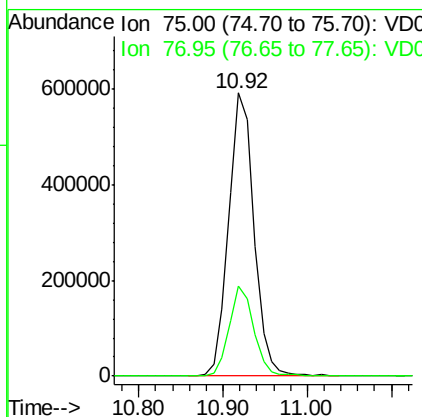
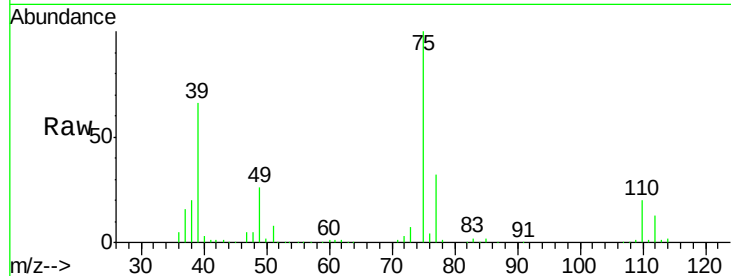




#53
 t-1,3-Dichloropropene
 Concen: 109.722 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

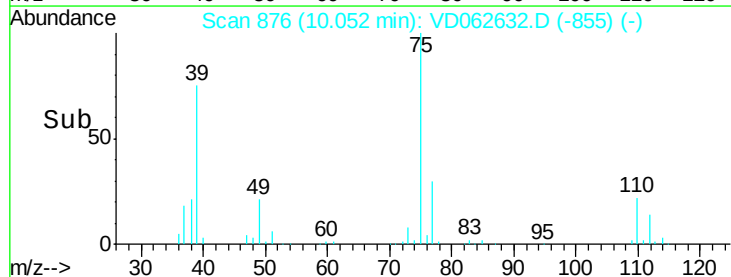
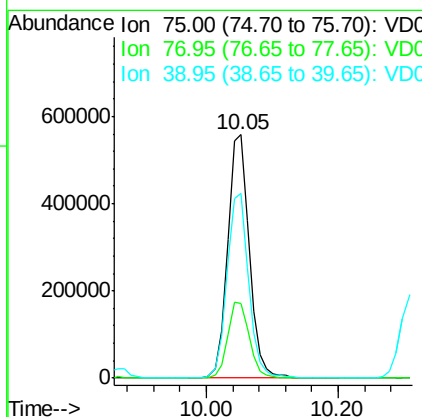
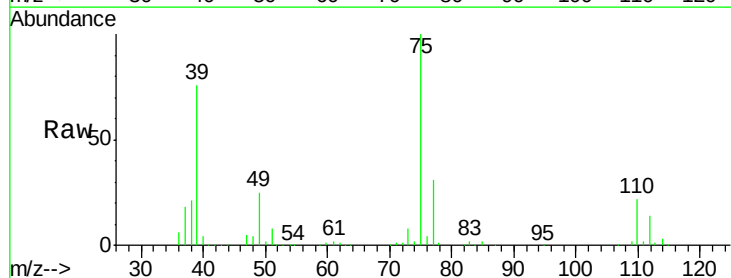
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

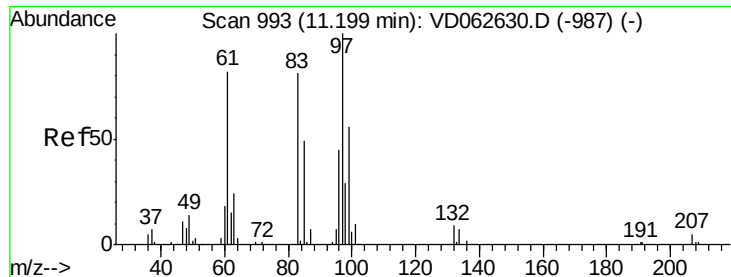
Tot Ion: 75 Resp: 1244051
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.7 35.5



#54
 cis-1,3-Dichloropropene
 Concen: 112.463 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion: 75 Resp: 1290603
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.4 35.2
 39 75.9 63.0 94.4

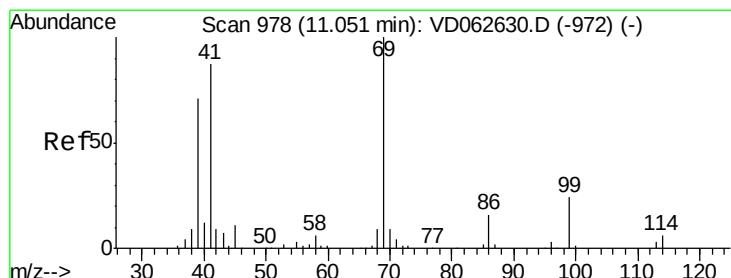
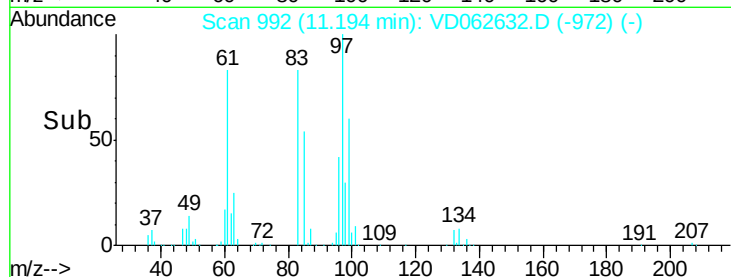
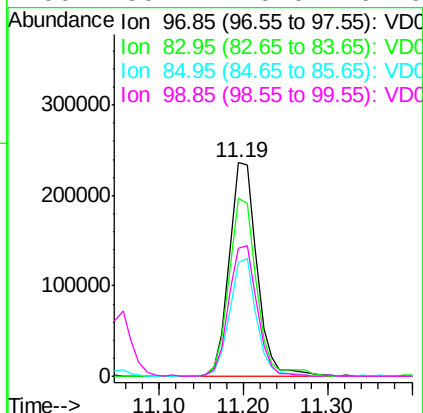
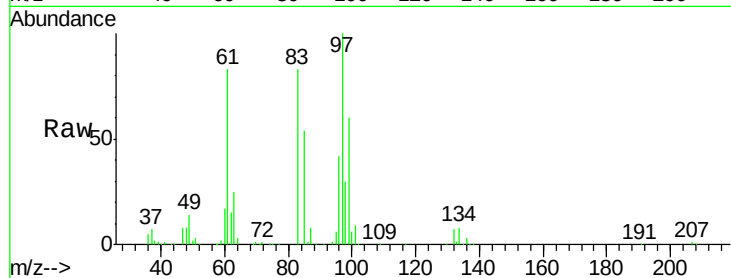




#55
 1,1,2-Trichloroethane
 Concen: 102.861 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

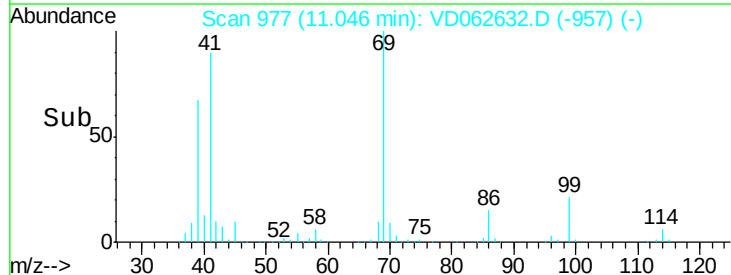
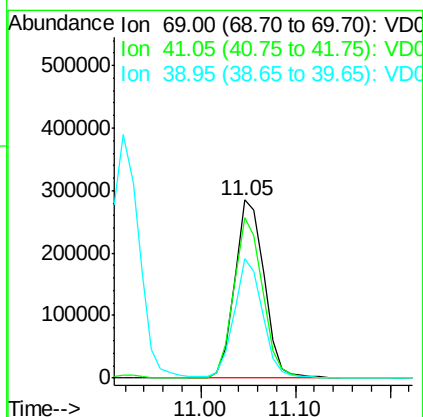
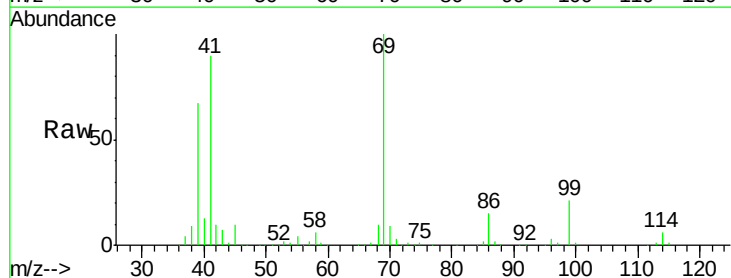
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

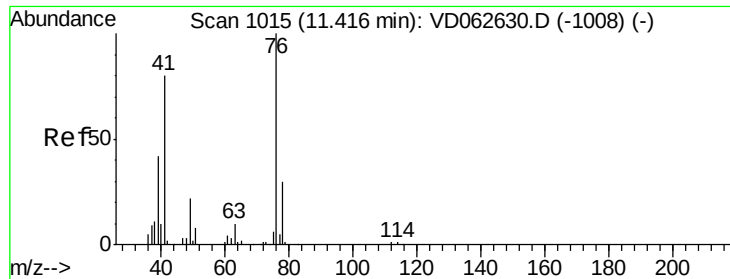
Tot Ion:	97	Resp:	541969
Ion	Ratio	Lower	Upper
97	100		
83	83.2	64.7	97.1
85	53.6	39.3	58.9
99	59.7	45.0	67.6



#56
 Ethyl methacrylate
 Concen: 107.578 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion:	69	Resp:	612597
Ion	Ratio	Lower	Upper
69	100		
41	90.2	69.8	104.8
39	67.2	57.6	86.4





#57

1,3-Dichloropropane

Concen: 108.546 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

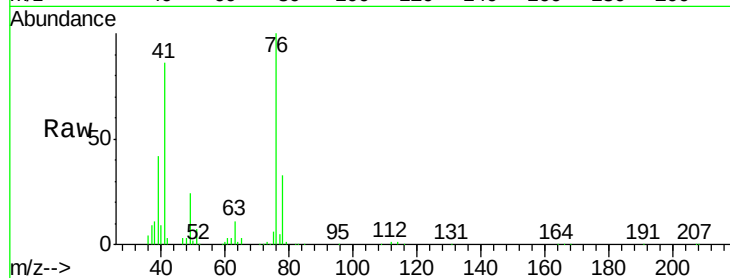
VSTDIC100

Tot Ion: 76 Resp: 880576

Ion Ratio Lower Upper

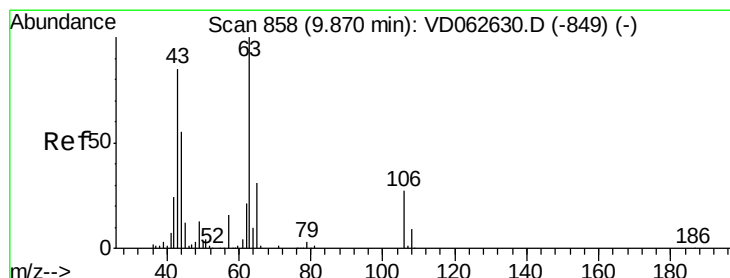
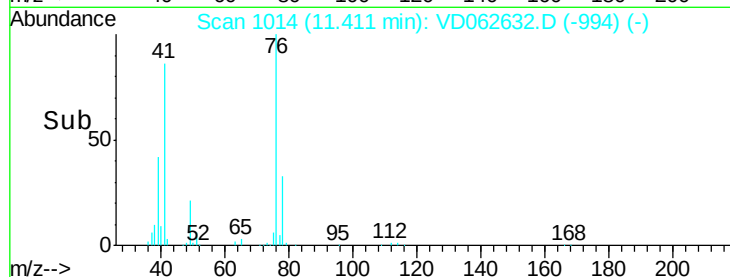
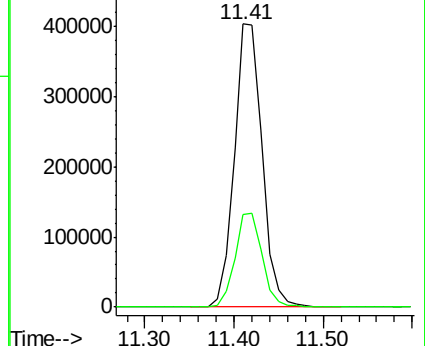
76 100

78 32.8 23.8 35.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 475.826 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062632.D

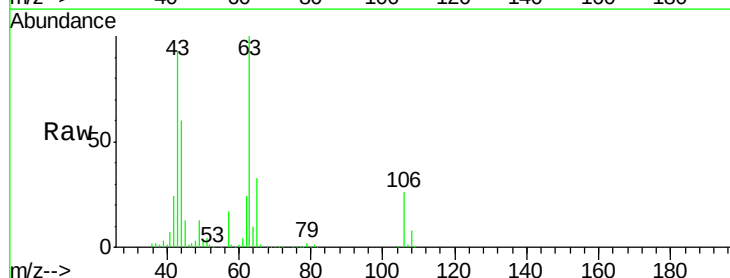
Acq: 6 Jun 2019 18:42

Tgt Ion: 63 Resp: 1424211

Ion Ratio Lower Upper

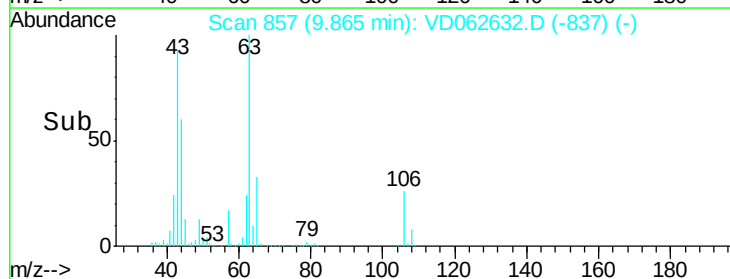
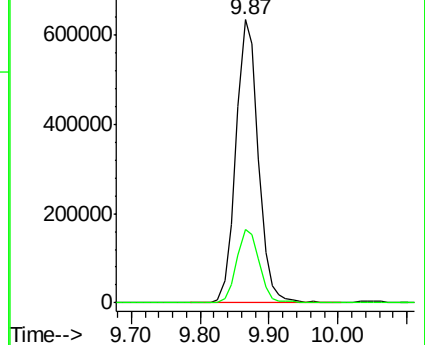
63 100

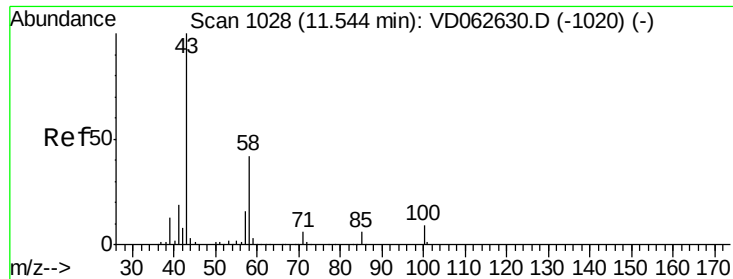
106 25.8 21.8 32.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

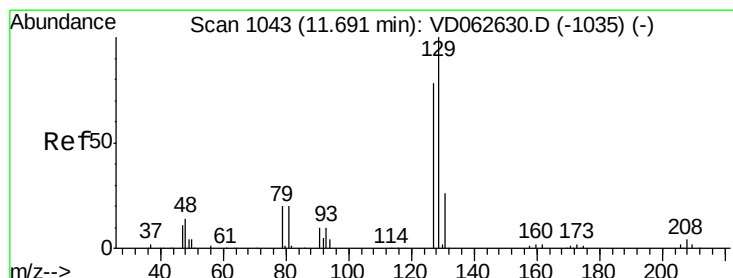
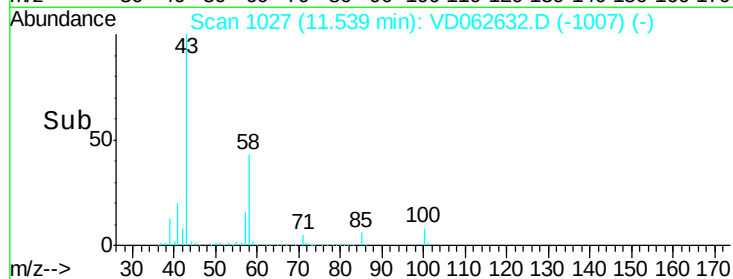
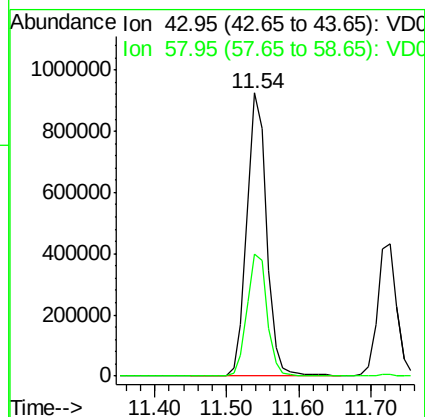
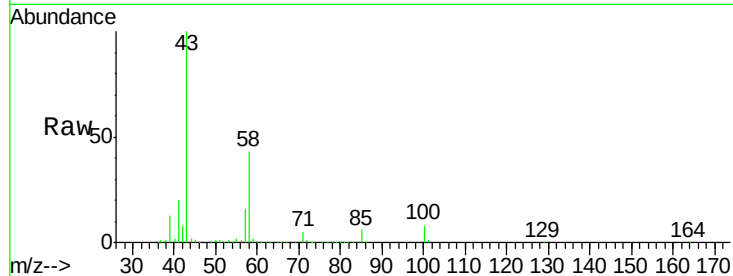




#59
2-Hexanone
Concen: 555.828 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

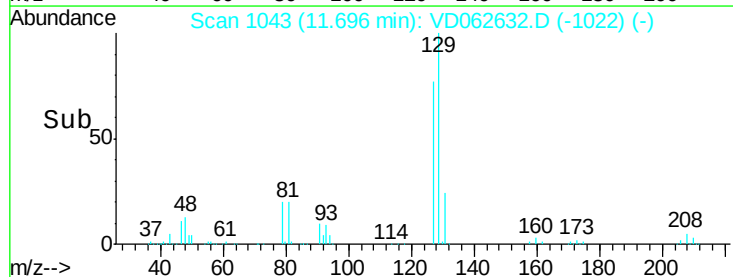
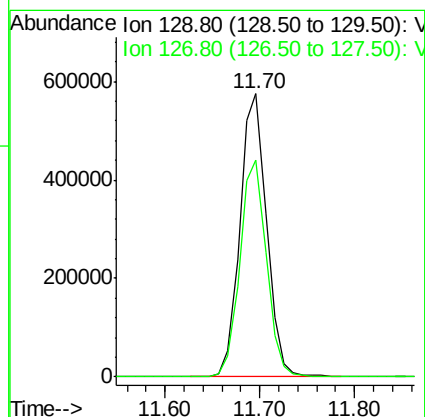
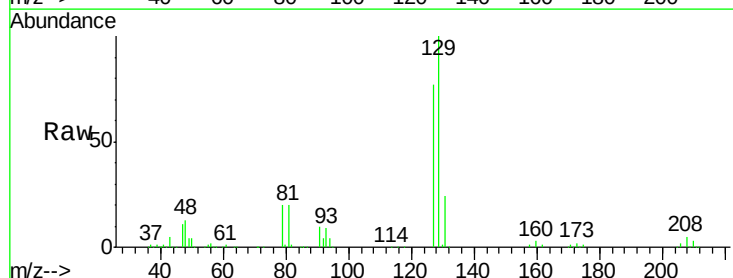
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

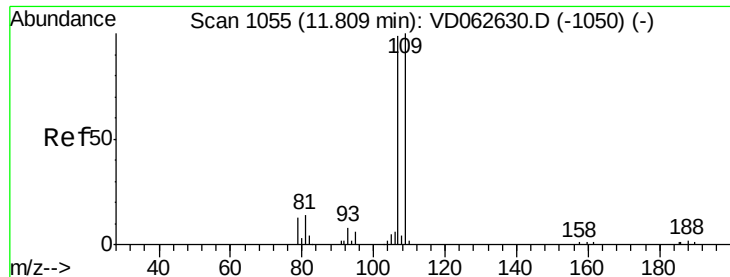
Tot Ion: 43 Resp: 1787483
Ion Ratio Lower Upper
43 100
58 43.1 20.8 62.4



#60
Dibromochloromethane
Concen: 108.655 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion: 129 Resp: 1118591
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 109.837 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

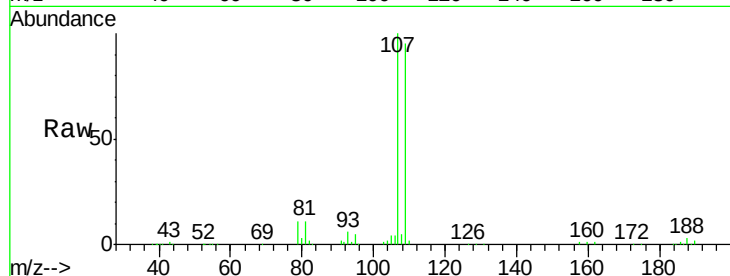
VSTDIC100

Tot Ion:107 Resp: 706278

Ion Ratio Lower Upper

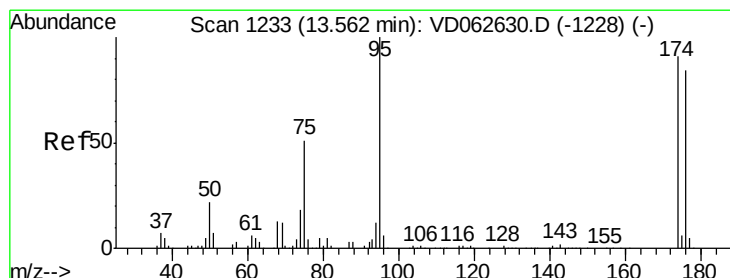
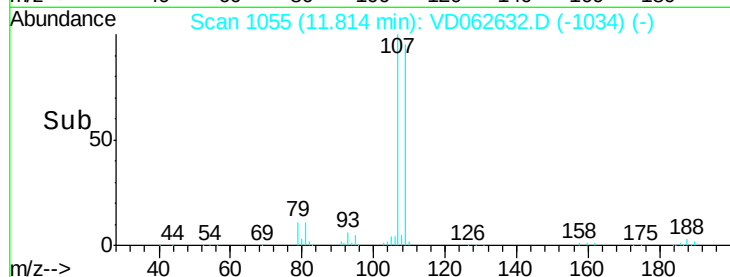
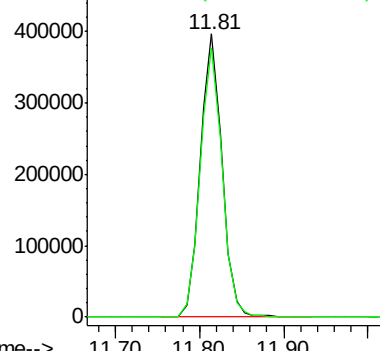
107 100

109 95.3 80.9 121.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 95.607 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

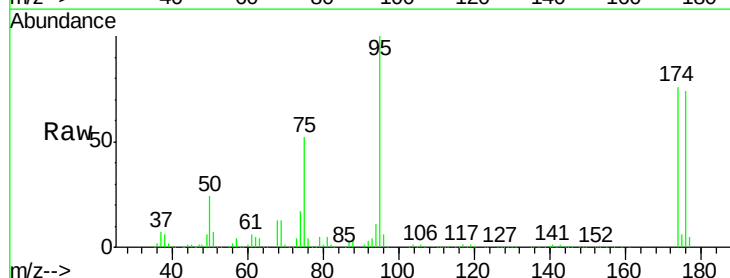
Tgt Ion: 95 Resp: 1083897

Ion Ratio Lower Upper

95 100

174 75.7 0.0 181.6

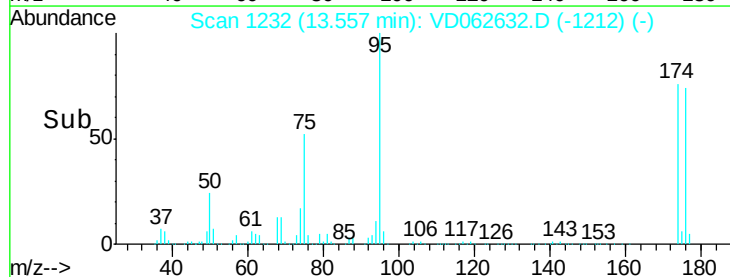
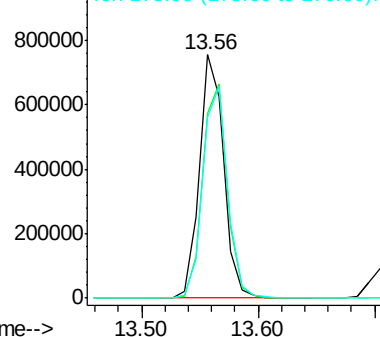
176 74.2 0.0 168.6

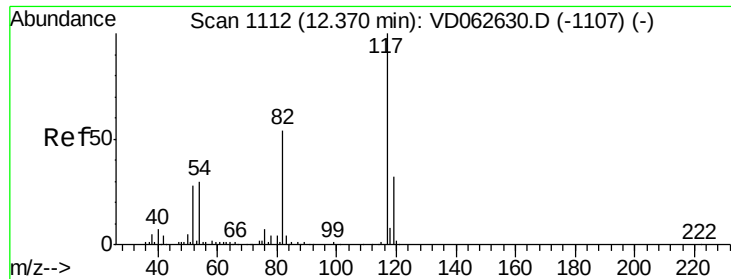


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

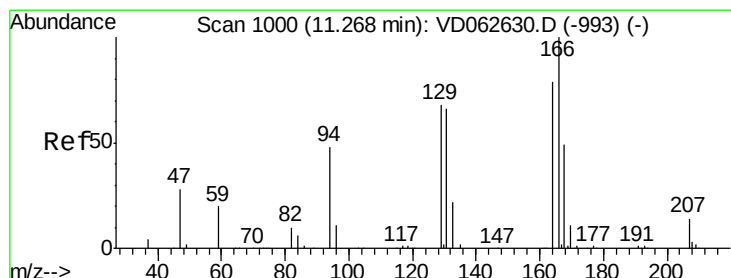
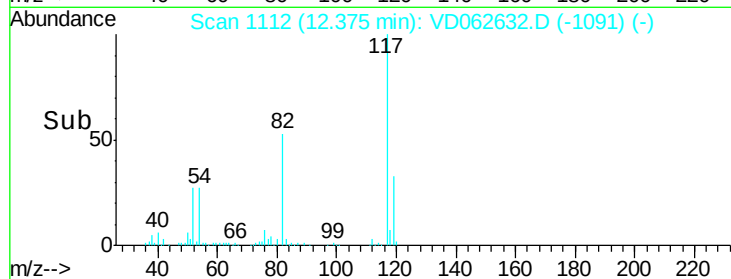
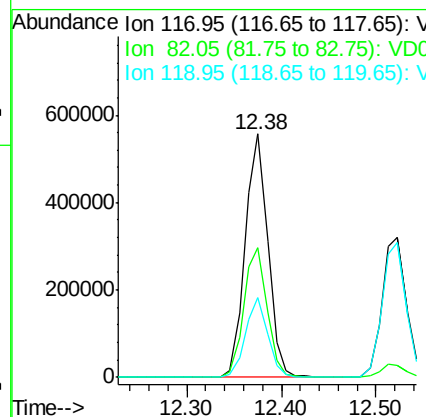
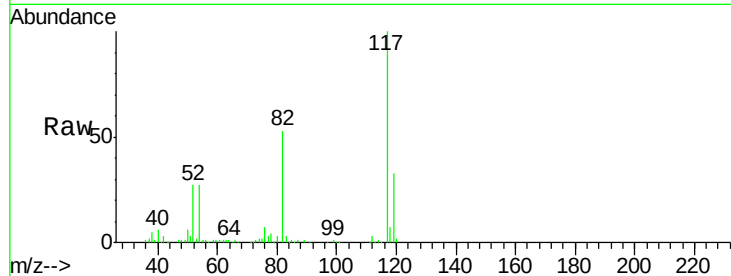




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

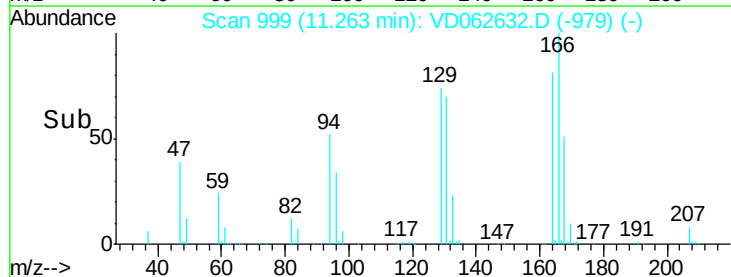
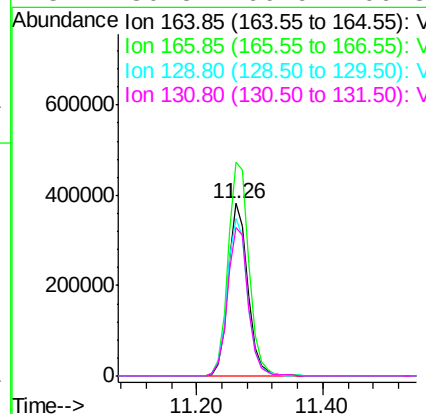
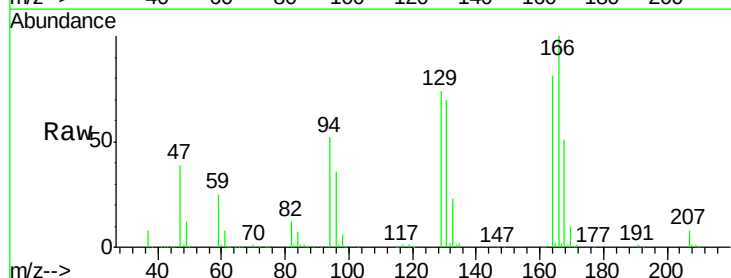
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

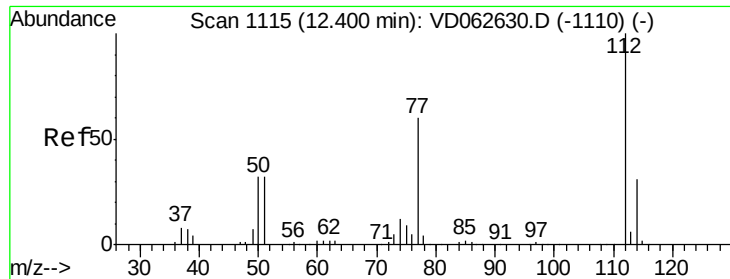
Tot Ion:117 Resp: 923656
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.6
119 32.6 25.9 38.9



#64
Tetrachloroethene
Concen: 100.226 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion:164 Resp: 825853
Ion Ratio Lower Upper
164 100
166 124.0 101.0 151.6
129 91.6 68.2 102.4
131 86.3 66.9 100.3





#65

Chlorobenzene

Concen: 102.012 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

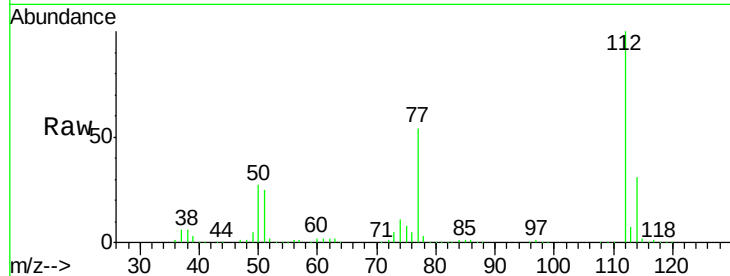
VSTDIC100

Tot Ion:112 Resp: 1935601

Ion Ratio Lower Upper

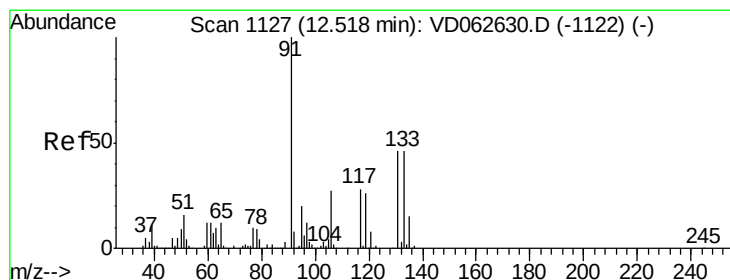
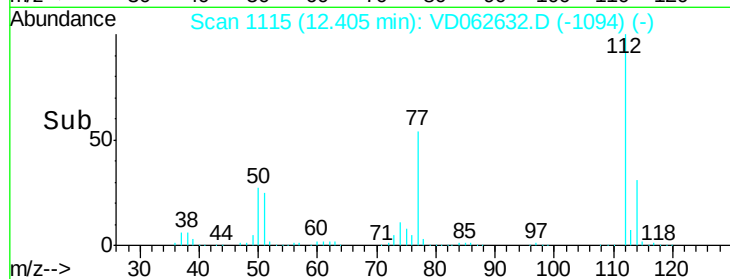
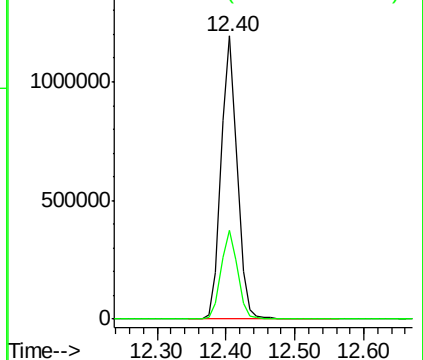
112 100

114 31.4 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 99.409 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

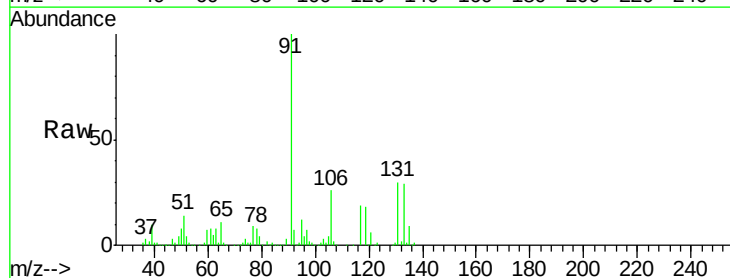
Tgt Ion:131 Resp: 909831

Ion Ratio Lower Upper

131 100

133 96.5 49.9 149.7

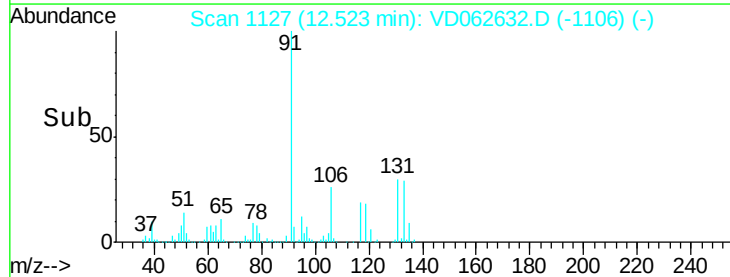
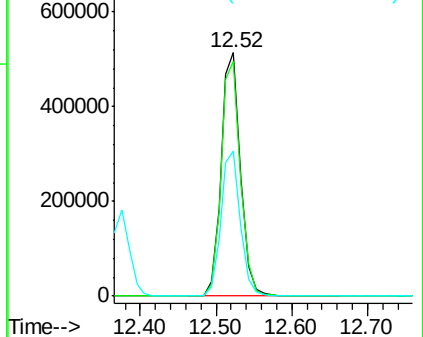
119 59.8 28.0 84.0

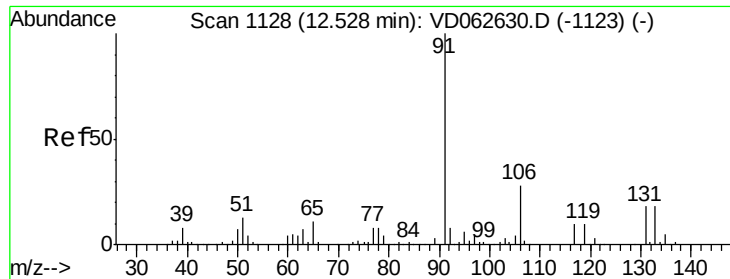


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

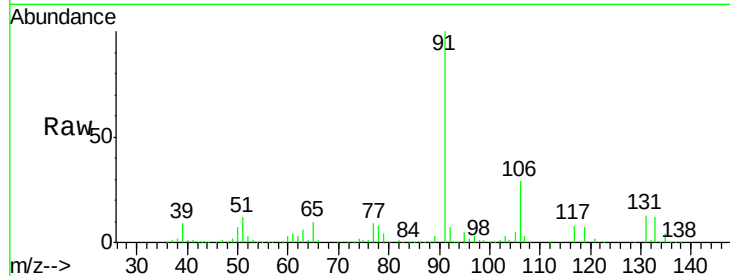




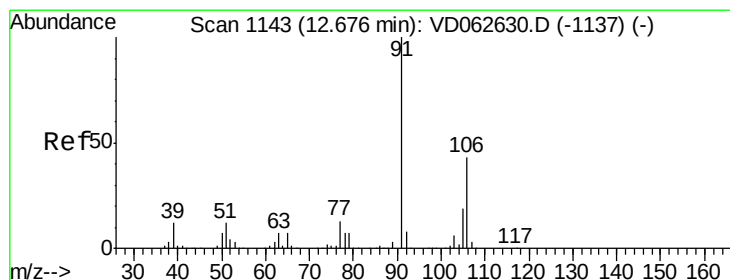
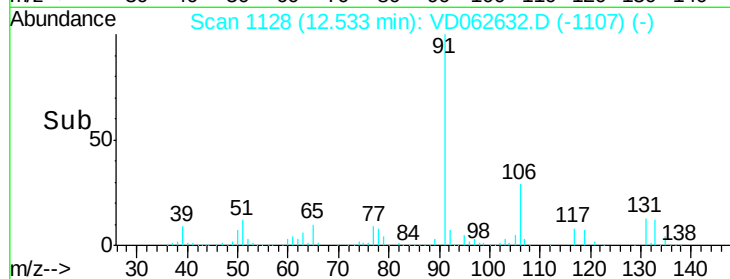
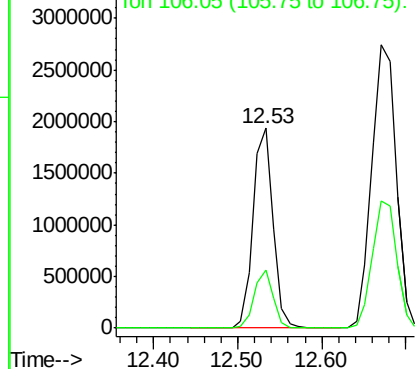
#67
Ethyl Benzene
Concen: 93.742 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3237820
Ion Ratio Lower Upper
91 100
106 29.4 22.2 33.2

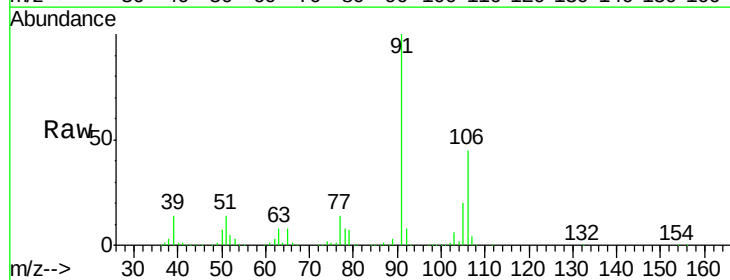


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

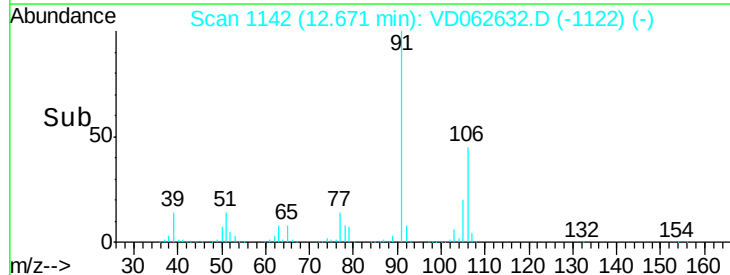
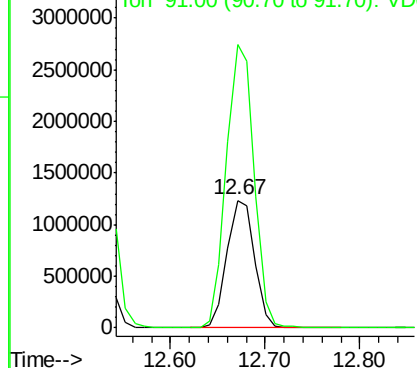


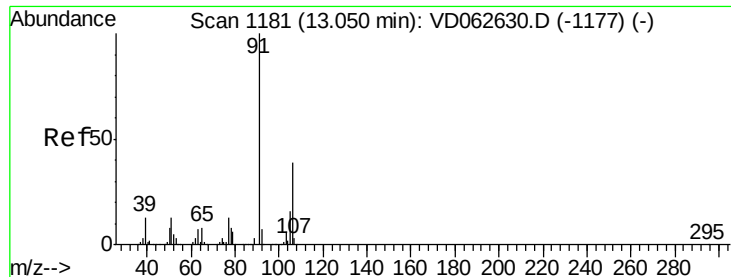
#68
m/p-Xylenes
Concen: 207.692 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion: 106 Resp: 2488835
Ion Ratio Lower Upper
106 100
91 222.1 184.7 277.1



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

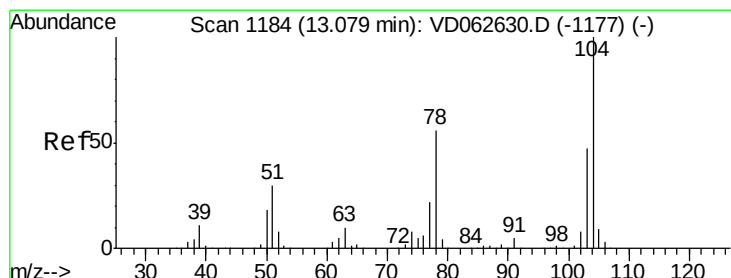
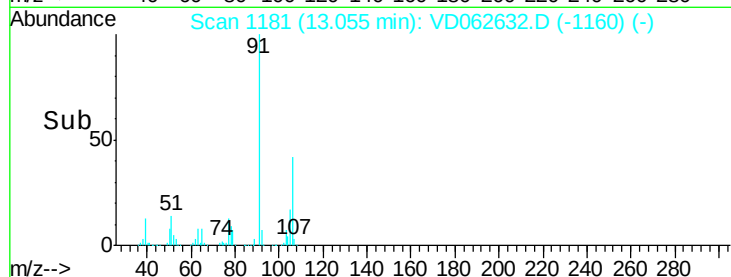
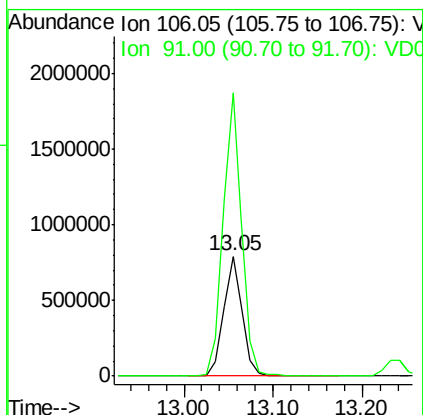
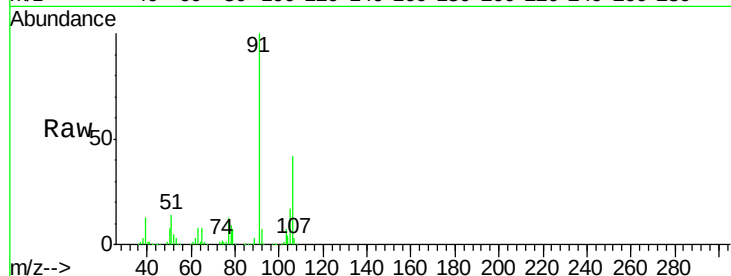




#69
o-Xylene
Concen: 101.191 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

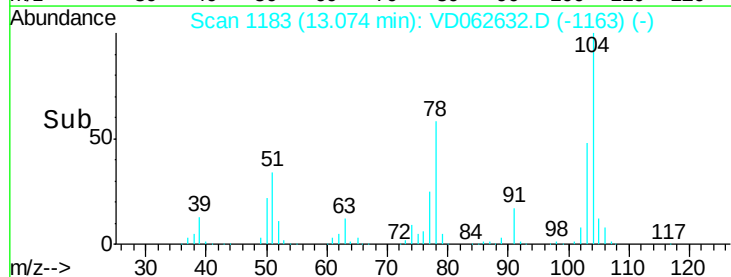
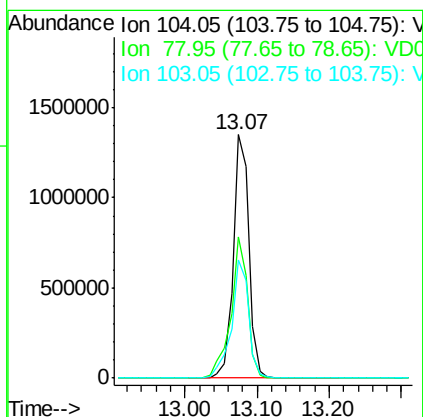
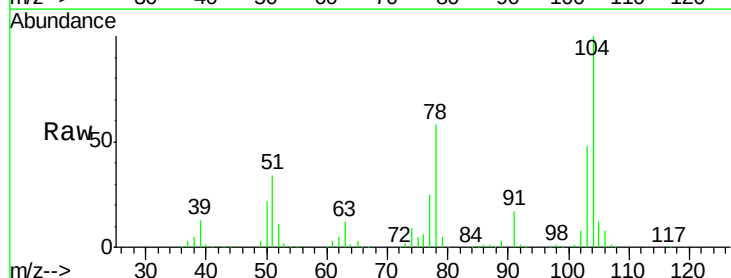
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

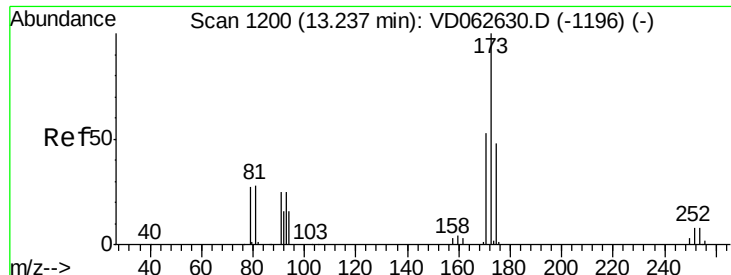
Tot Ion:106 Resp: 1162579
Ion Ratio Lower Upper
106 100
91 235.9 127.0 380.9



#70
Styrene
Concen: 105.233 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion:104 Resp: 2038479
Ion Ratio Lower Upper
104 100
78 57.9 44.4 66.6
103 48.3 37.4 56.0





#71

Bromoform

Concen: 112.531 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

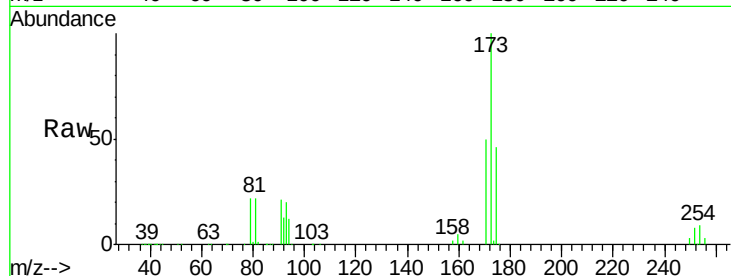
Tot Ion:173 Resp: 703652

Ion Ratio Lower Upper

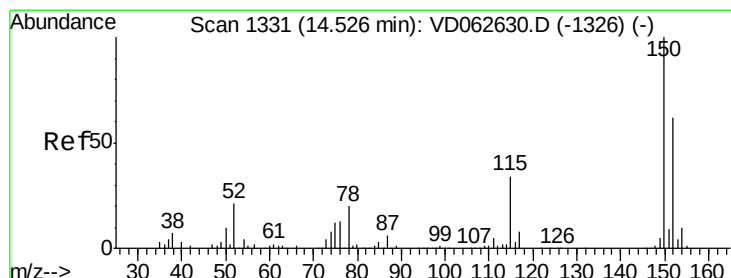
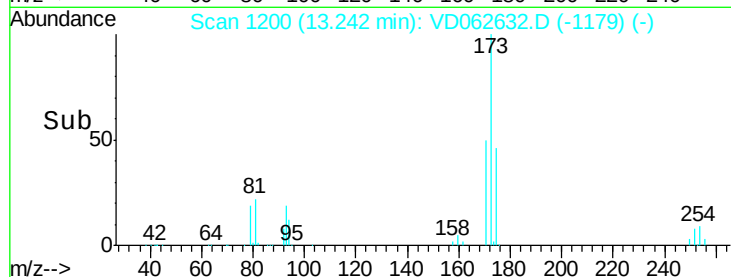
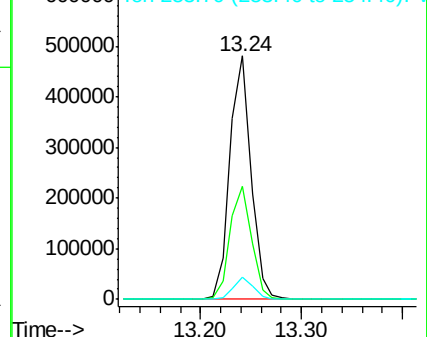
173 100

175 46.4 23.9 71.8

254 9.1 6.2 9.2



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

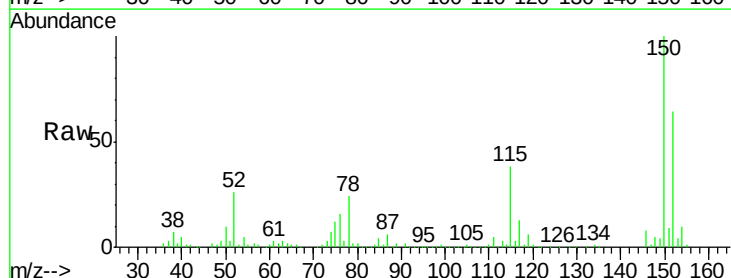
Tgt Ion:152 Resp: 489550

Ion Ratio Lower Upper

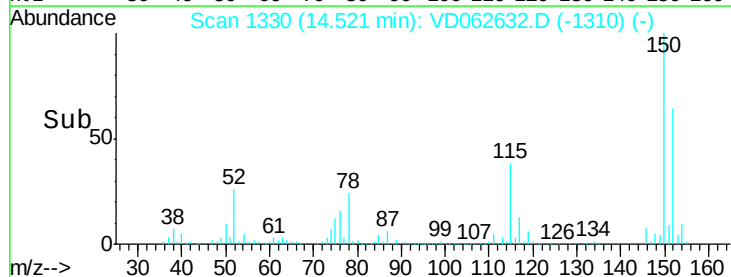
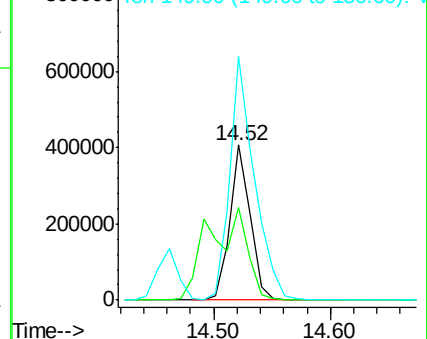
152 100

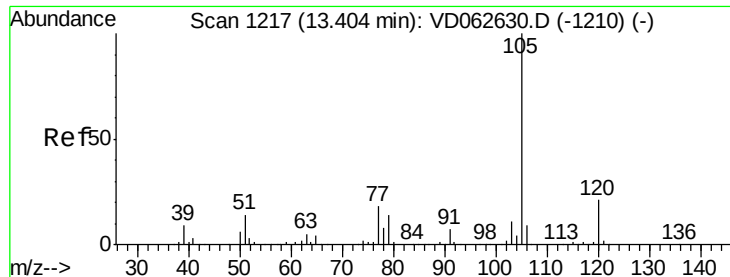
115 59.4 28.7 86.1

150 157.3 0.0 328.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 108.228 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

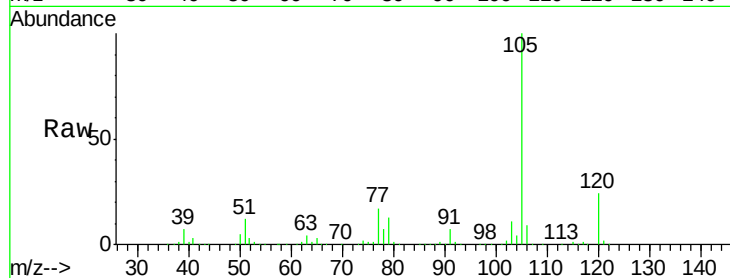
VSTDIC100

Tot Ion:105 Resp: 3659841

Ion Ratio Lower Upper

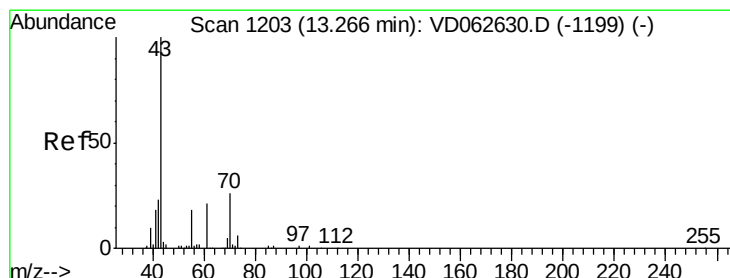
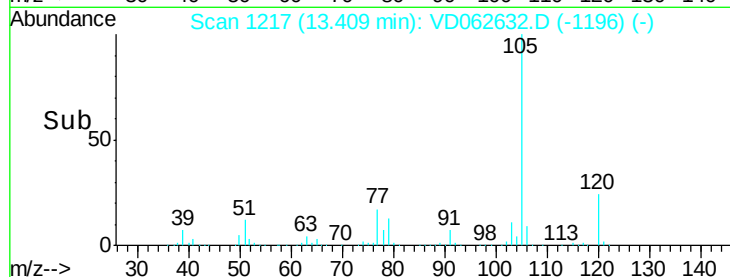
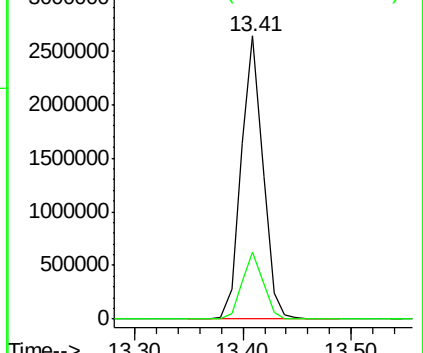
105 100

120 23.9 10.4 31.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 112.041 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Tgt Ion: 43 Resp: 979897

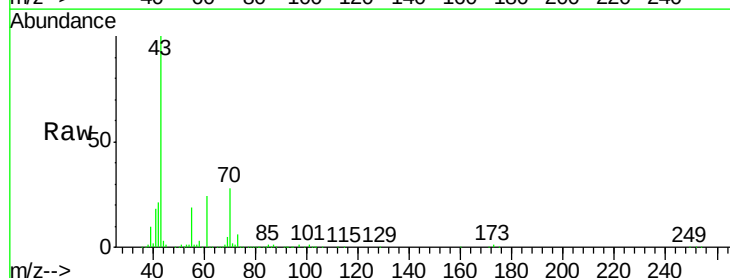
Ion Ratio Lower Upper

43 100

70 28.4 21.0 31.6

55 18.7 14.6 21.8

61 24.2 16.5 24.7

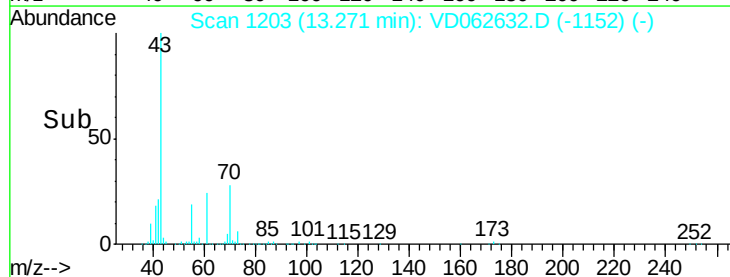
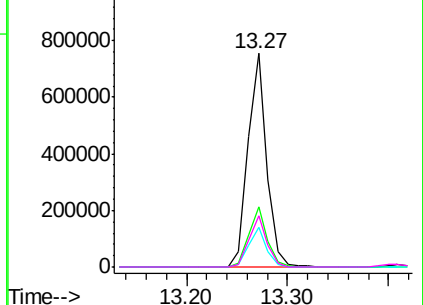


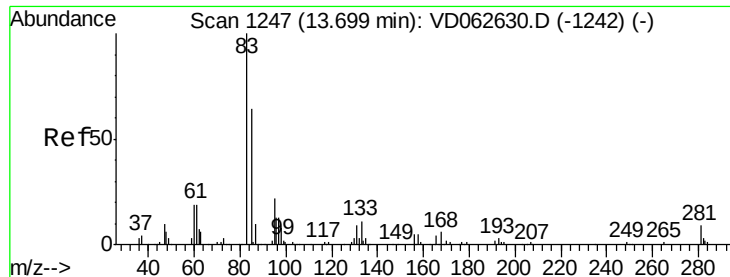
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 107.378 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

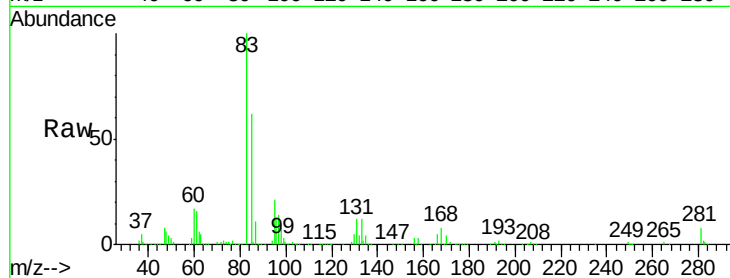
Tot Ion: 83 Resp: 605552

Ion Ratio Lower Upper

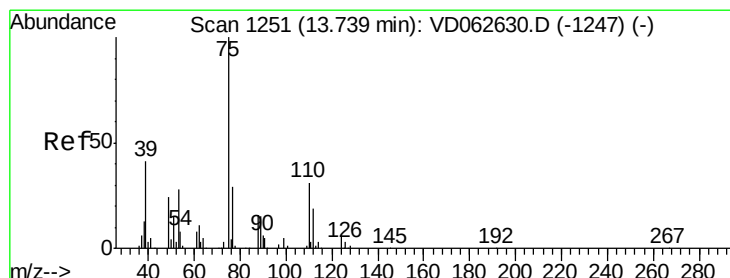
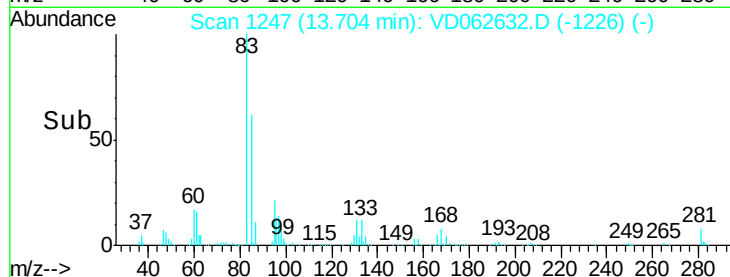
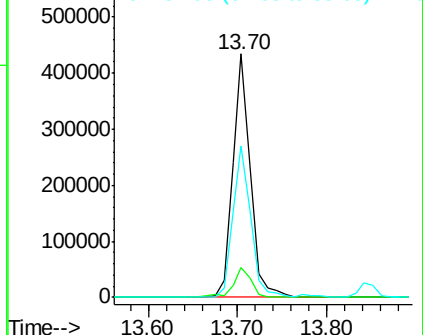
83 100

131 12.2 4.6 13.8

85 62.1 32.0 96.2



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: 108.549 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062632.D

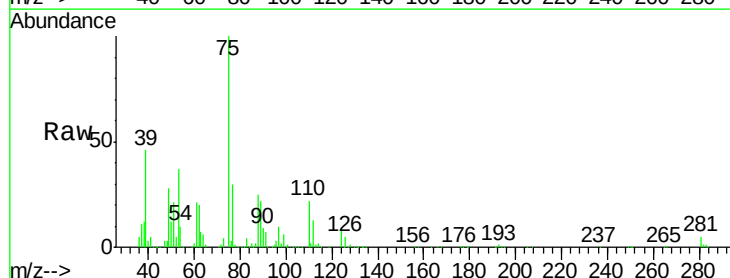
Acq: 6 Jun 2019 18:42

Tgt Ion: 75 Resp: 695800

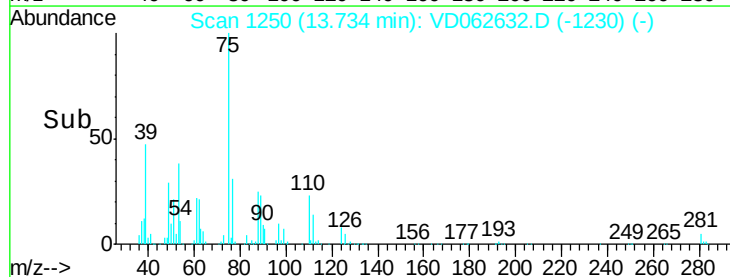
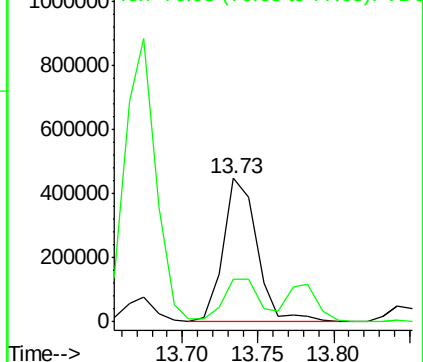
Ion Ratio Lower Upper

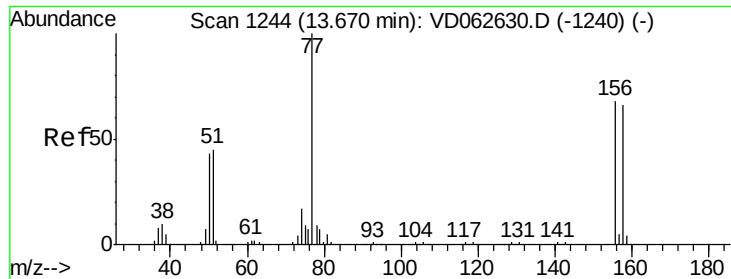
75 100

77 30.0 16.6 49.7



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





#77

Bromobenzene

Concen: 104.892 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

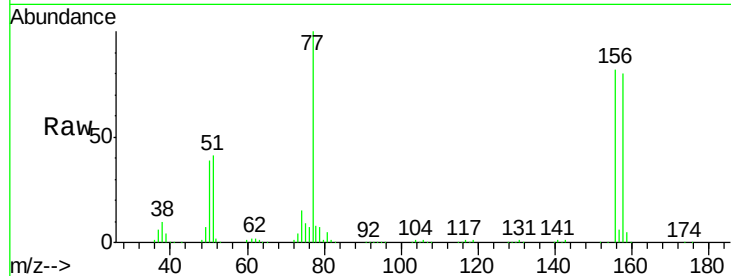
Tot Ion:156 Resp: 980464

Ion Ratio Lower Upper

156 100

77 122.7 73.5 220.3

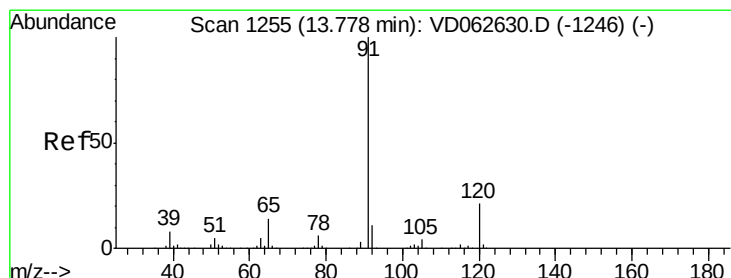
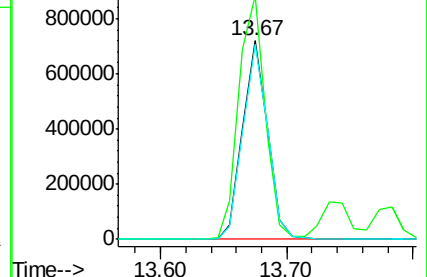
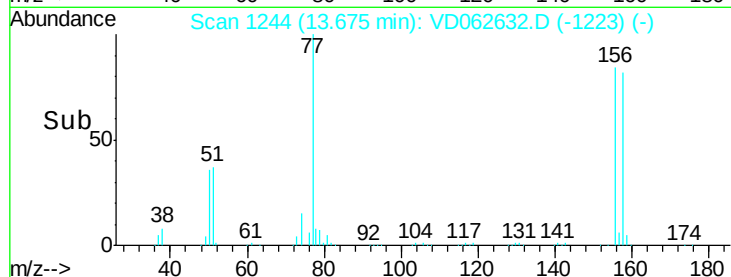
158 98.0 48.2 144.6



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: 97.445 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062632.D

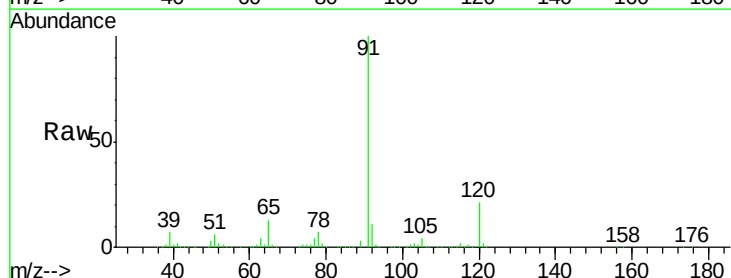
Acq: 6 Jun 2019 18:42

Tgt Ion: 91 Resp: 3868552

Ion Ratio Lower Upper

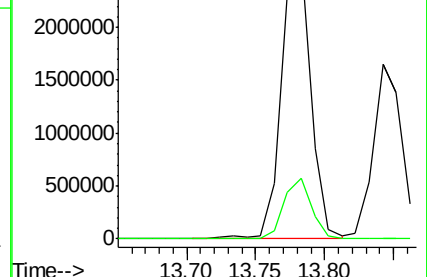
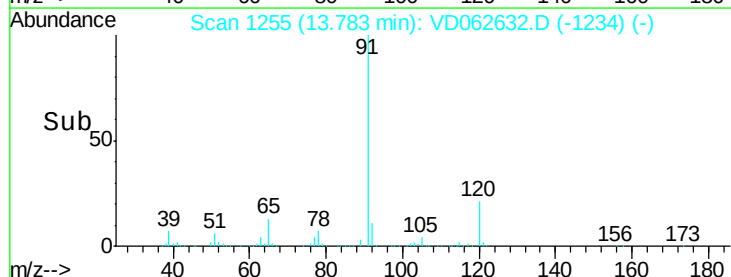
91 100

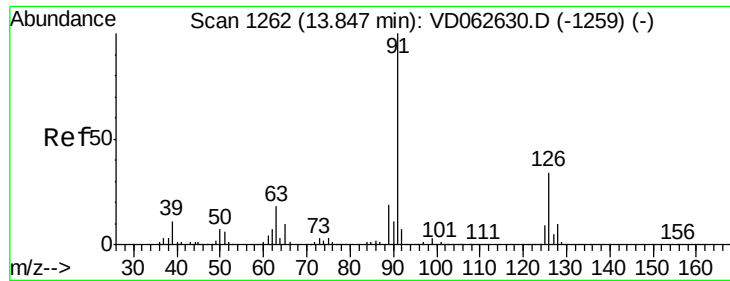
120 21.2 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

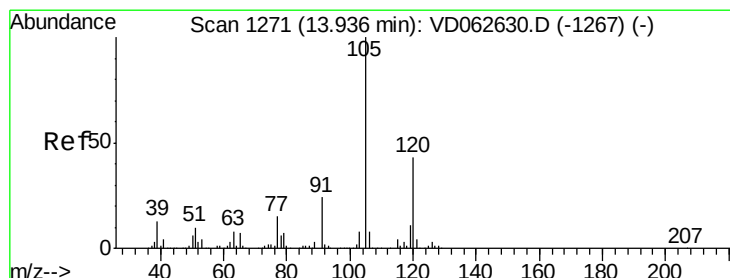
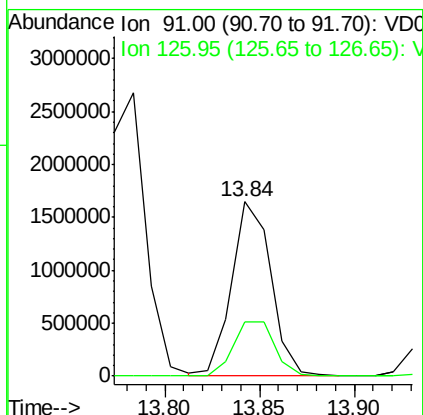
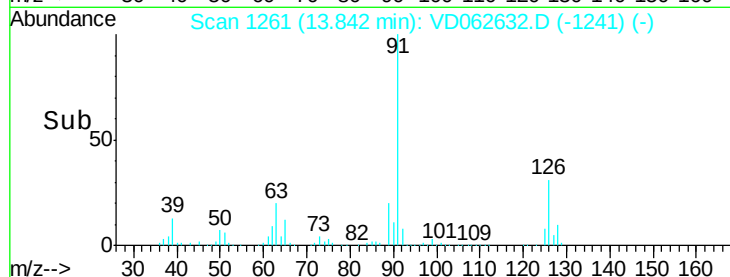
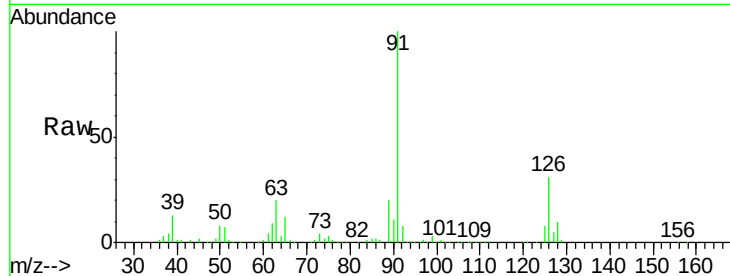




#79
2-Chlorotoluene
Concen: 99.429 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

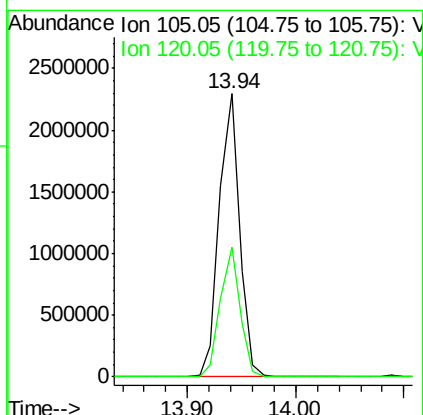
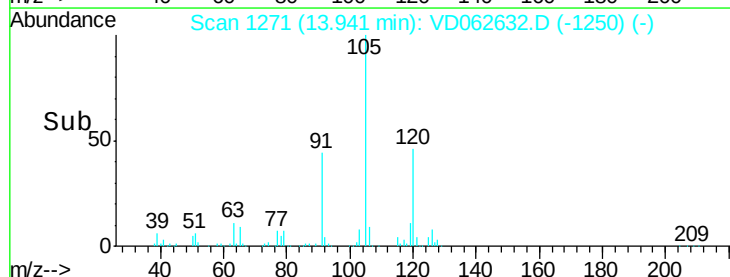
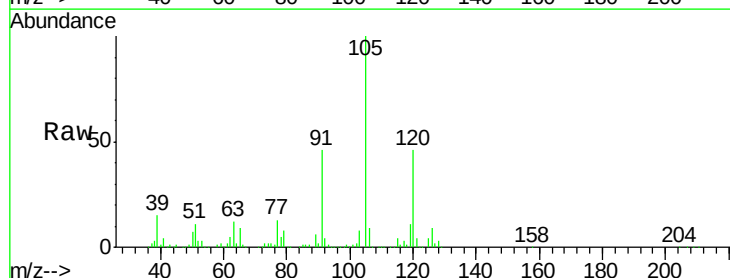
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

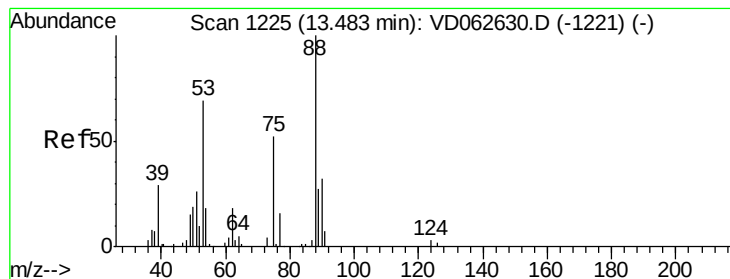
Tot Ion: 91 Resp: 2357968
Ion Ratio Lower Upper
91 100
126 31.3 16.7 50.0



#80
1,3,5-Trimethylbenzene
Concen: 101.000 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion:105 Resp: 3009311
Ion Ratio Lower Upper
105 100
120 45.9 21.3 64.0





#81

trans-1,4-Dichloro-2-butene

Concen: 120.399 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

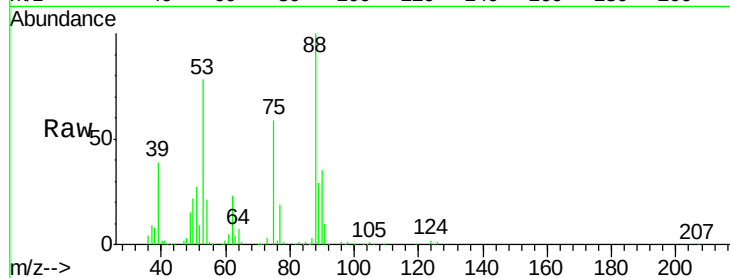
Tot Ion: 75 Resp: 195443

Ion Ratio Lower Upper

75 100

53 133.8 105.6 158.4

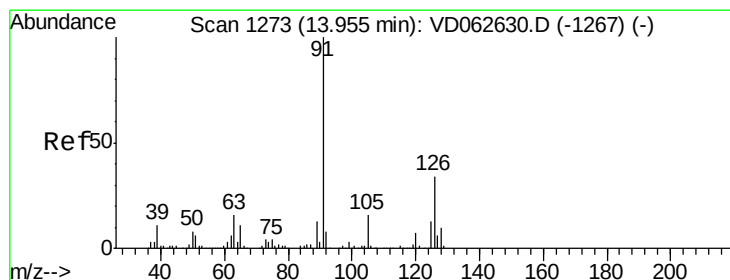
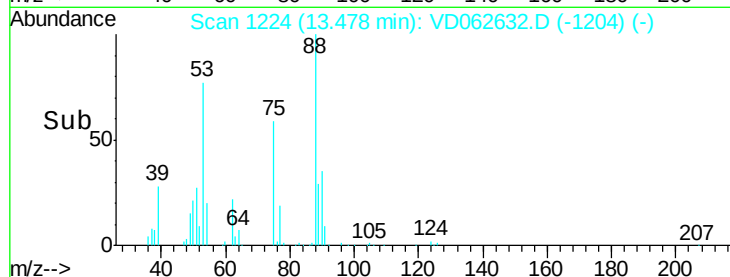
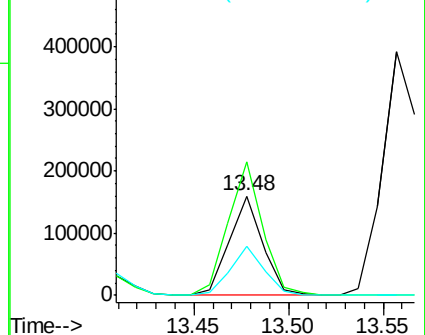
89 49.5 40.9 61.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 103.648 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062632.D

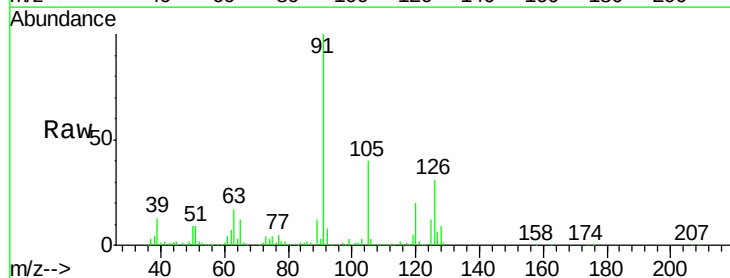
Acq: 6 Jun 2019 18:42

Tgt Ion: 91 Resp: 2933441

Ion Ratio Lower Upper

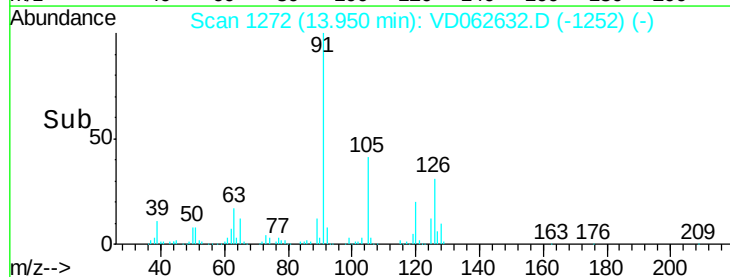
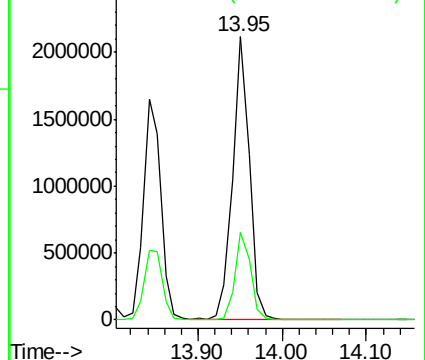
91 100

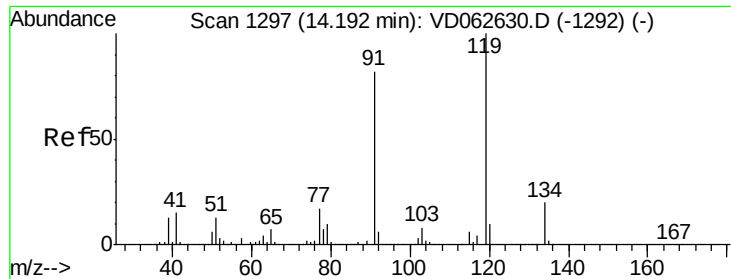
126 30.8 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

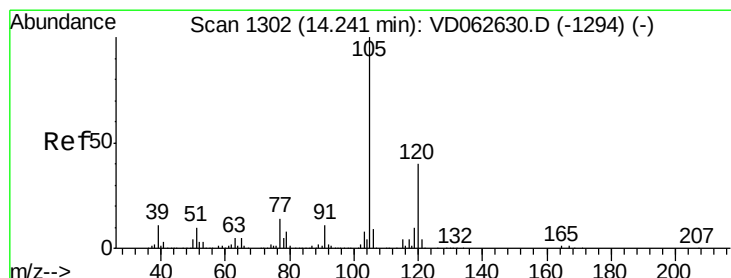
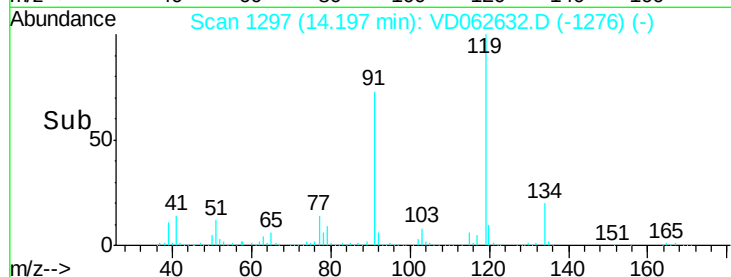
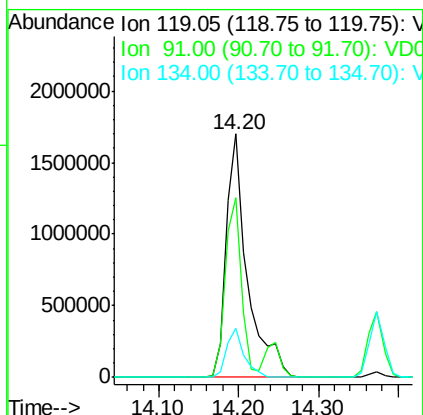
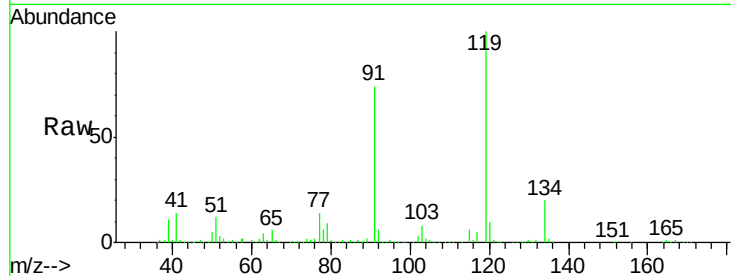




#83
 tert-Butylbenzene
 Concen: 98.471 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

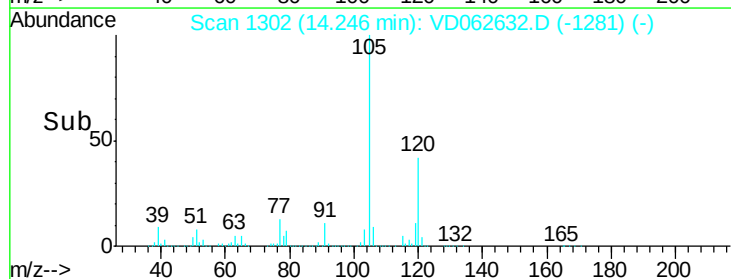
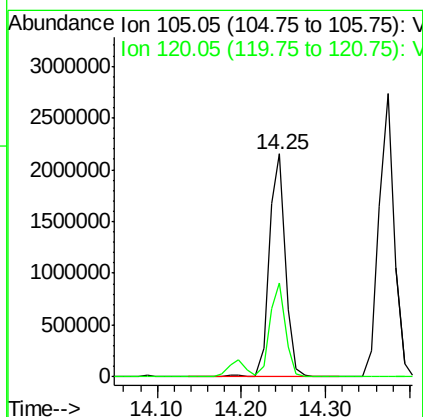
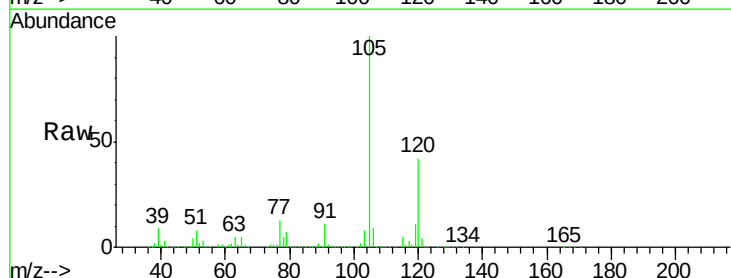
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

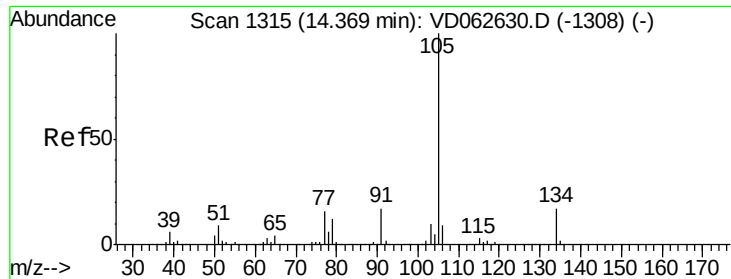
Tot Ion:119 Resp: 3179827
 Ion Ratio Lower Upper
 119 100
 91 73.8 40.8 122.5
 134 20.4 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 96.713 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion:105 Resp: 2885381
 Ion Ratio Lower Upper
 105 100
 120 42.2 20.0 59.9

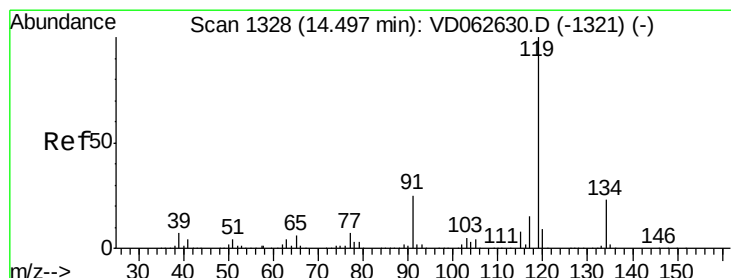
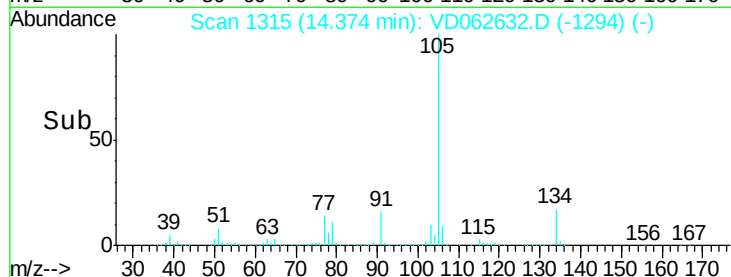
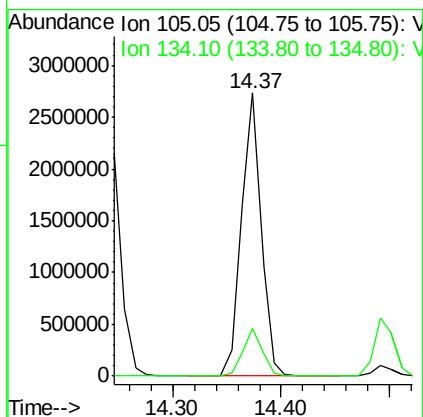
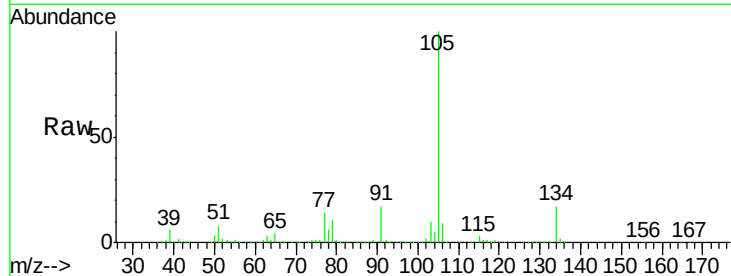




#85
 sec-Butylbenzene
 Concen: 103.484 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

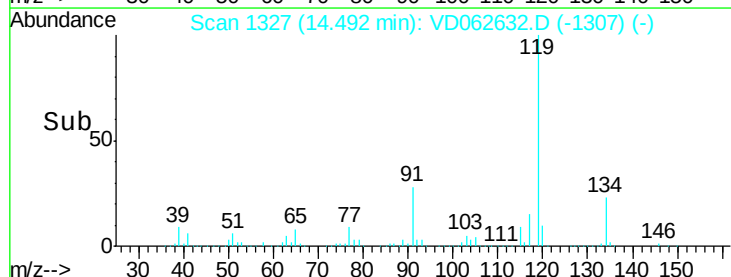
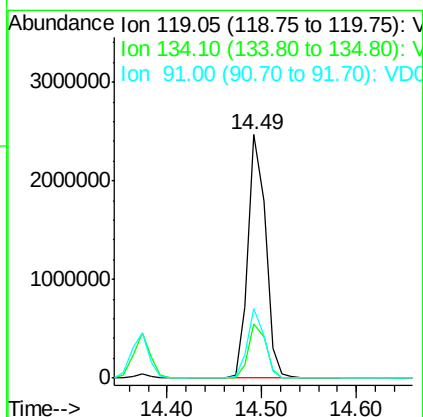
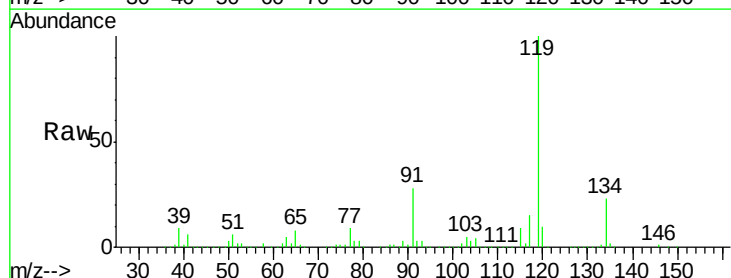
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

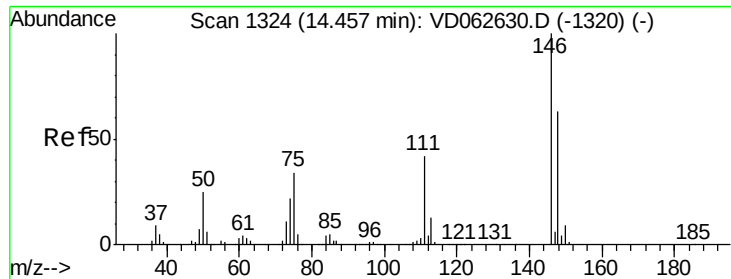
Tot Ion:105 Resp: 3461934
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.5 25.5



#86
 p-Isopropyltoluene
 Concen: 99.121 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion:119 Resp: 3184635
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.3 33.8
 91 28.3 12.8 38.3

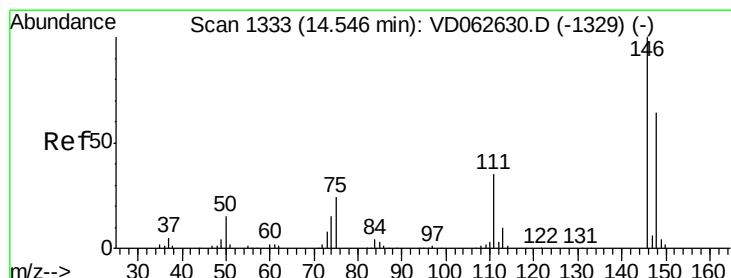
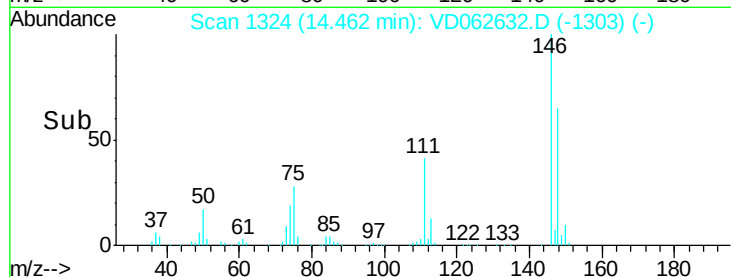
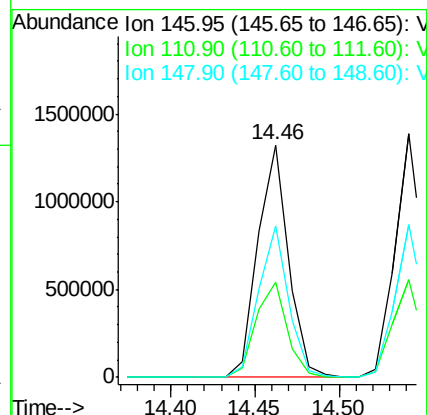
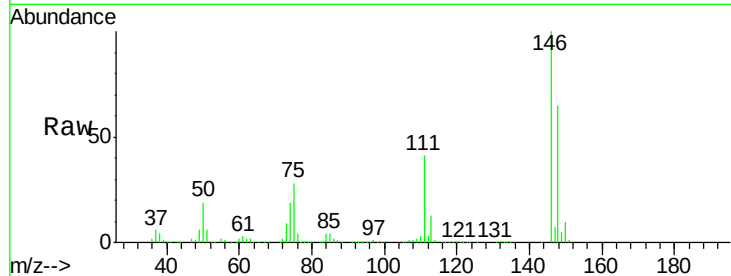




#87
 1,3-Dichlorobenzene
 Concen: 103.179 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

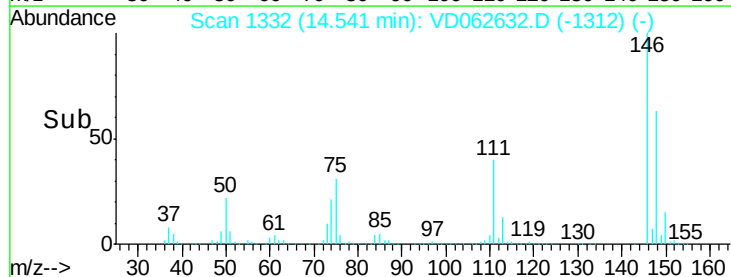
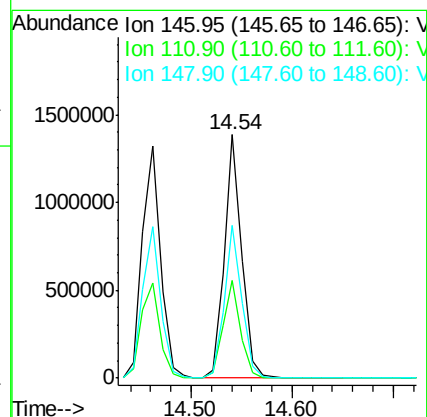
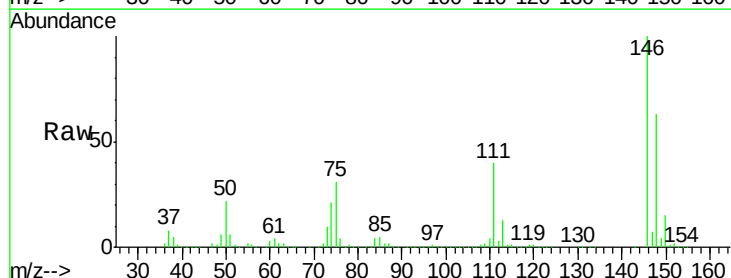
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

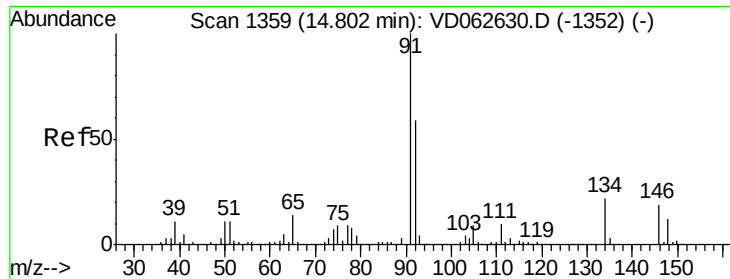
Tot Ion:146 Resp: 1662460
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.8 62.5
 148 65.3 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 103.624 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion:146 Resp: 1670352
 Ion Ratio Lower Upper
 146 100
 111 40.1 17.5 52.6
 148 62.8 31.9 95.7





#89

n-Butylbenzene

Concen: 99.461 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062632.D

Acq: 6 Jun 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

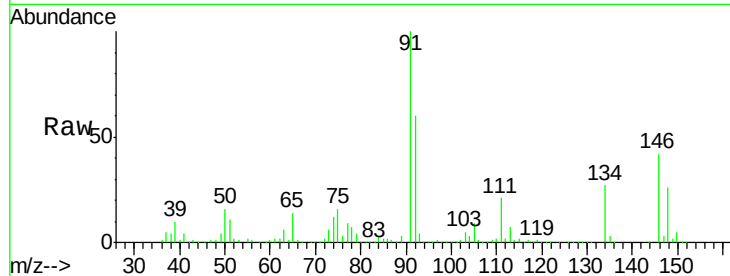
Tot Ion: 91 Resp: 2919446

Ion Ratio Lower Upper

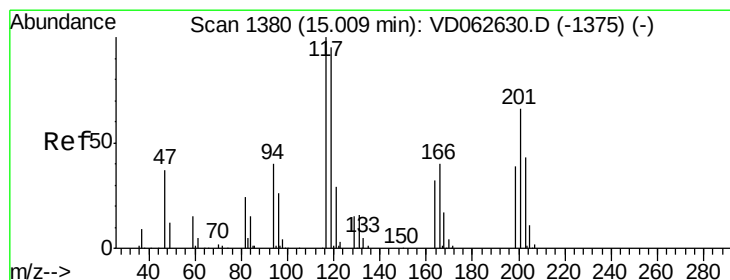
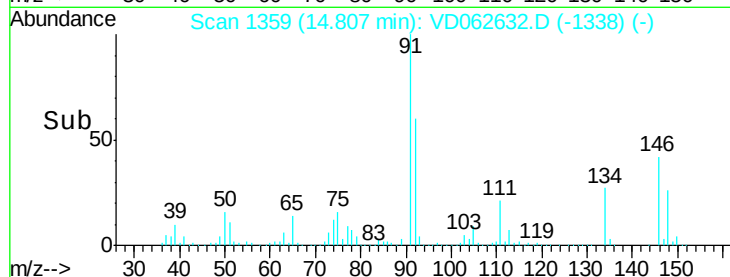
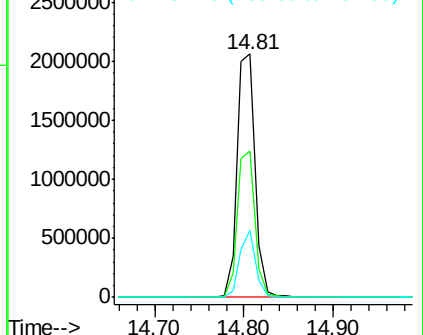
91 100

92 59.9 29.3 87.8

134 27.4 11.3 33.8



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



#90

Hexachloroethane

Concen: 107.915 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062632.D

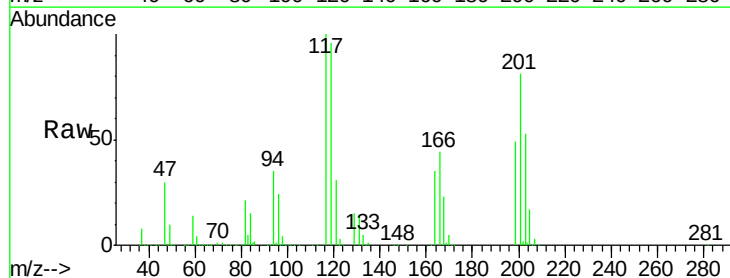
Acq: 6 Jun 2019 18:42

Tgt Ion: 117 Resp: 905396

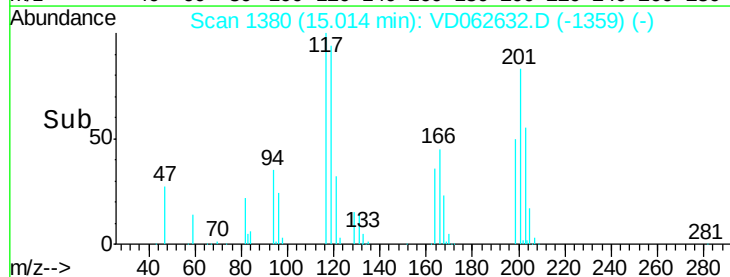
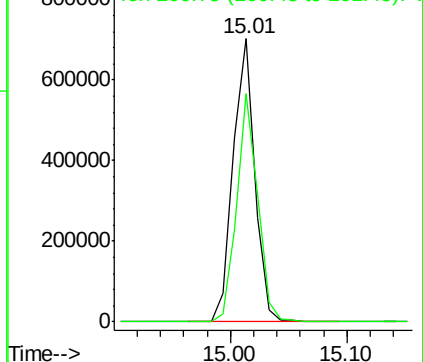
Ion Ratio Lower Upper

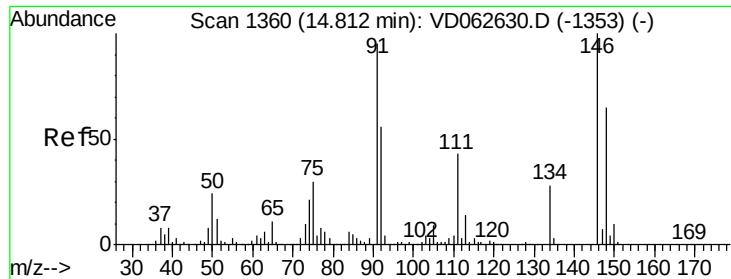
117 100

201 80.8 32.8 98.4



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

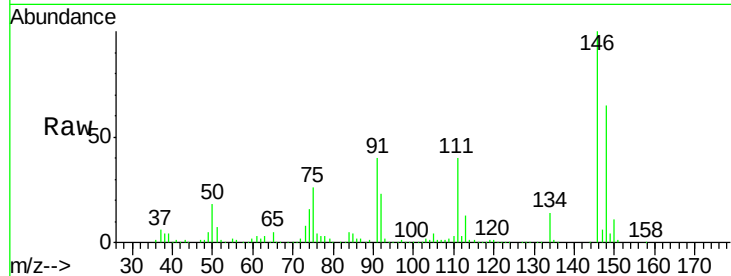




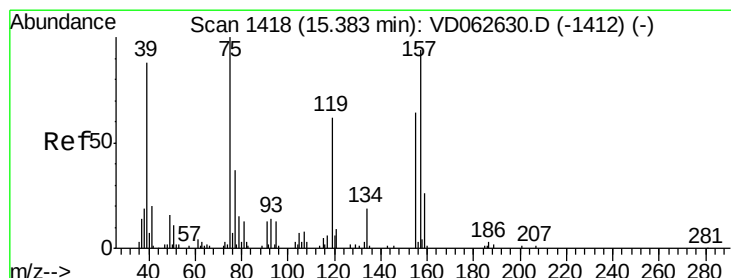
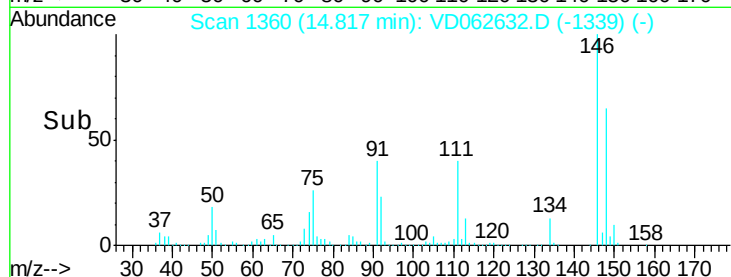
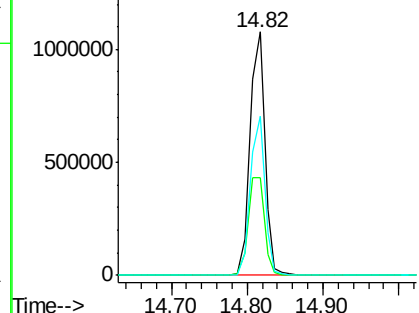
#91
 1,2-Dichlorobenzene
 Concen: 100.522 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1453955
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.4 64.3
 148 65.4 32.6 98.0

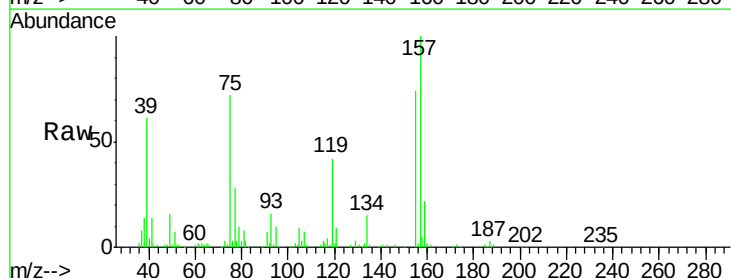


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

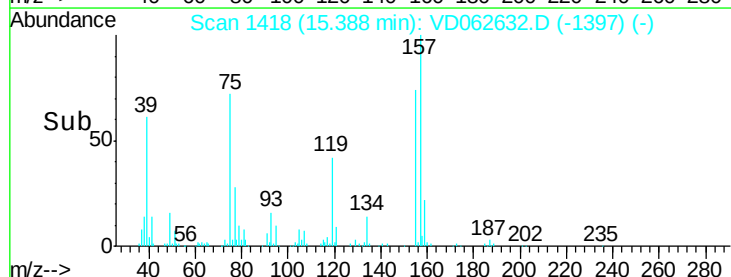
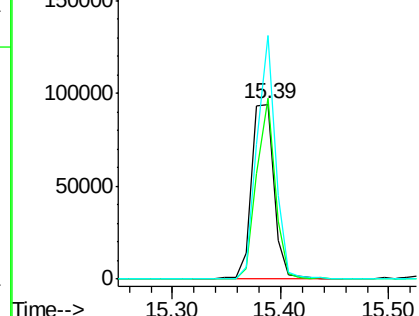


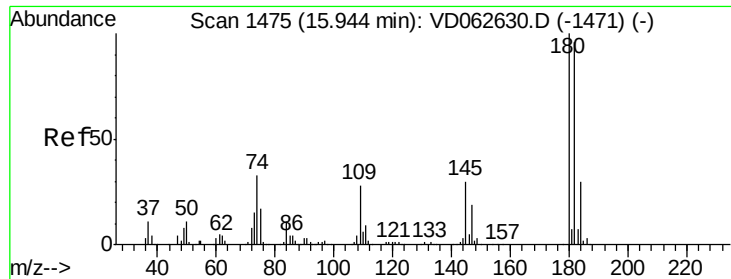
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 117.337 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion: 75 Resp: 135700
 Ion Ratio Lower Upper
 75 100
 155 103.3 32.2 96.6#
 157 139.1 47.0 141.0



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

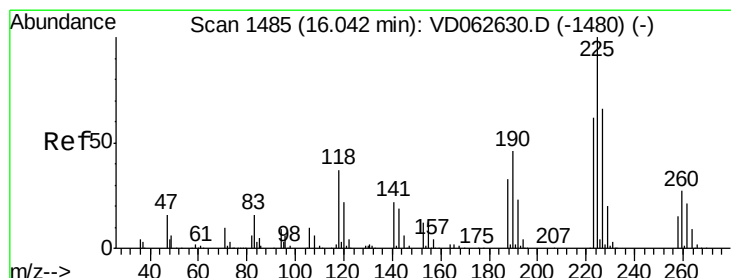
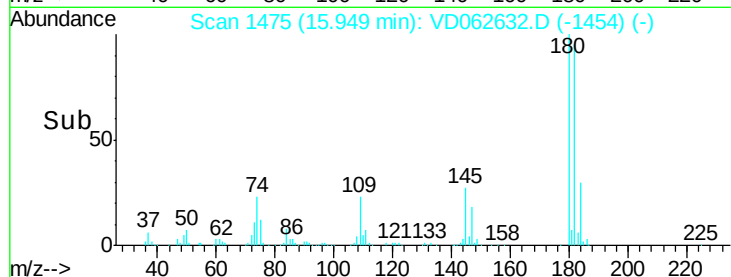
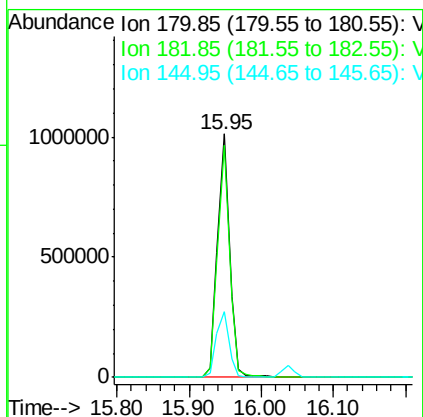
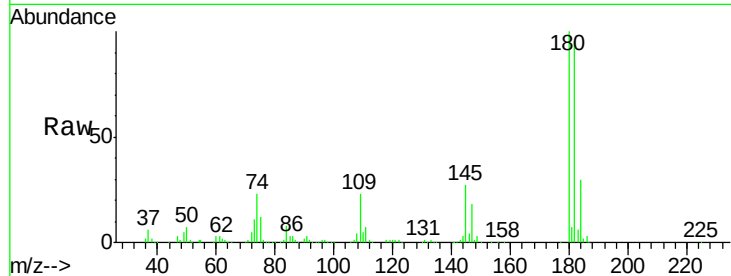




#93
 1,2,4-Trichlorobenzene
 Concen: 109.980 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

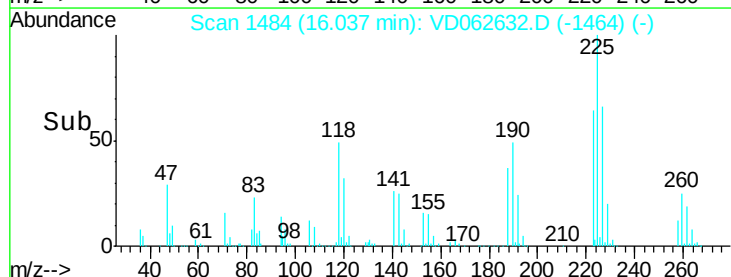
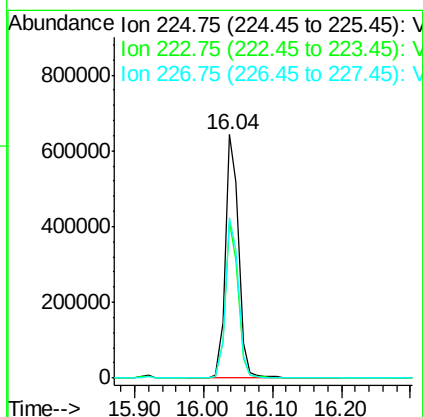
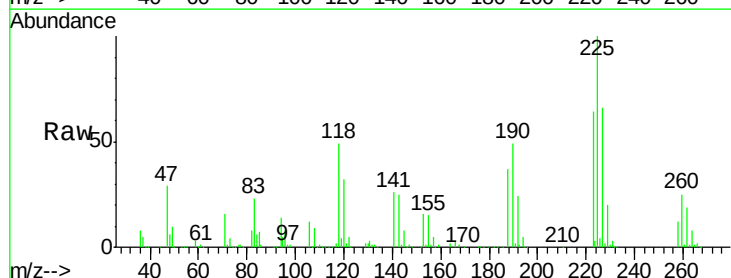
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

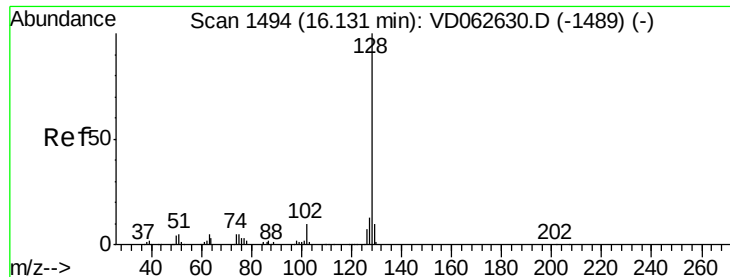
Tot Ion:180 Resp: 1173888
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.0 144.2
 145 27.1 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 107.404 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062632.D
 Acq: 6 Jun 2019 18:42

Tgt Ion:225 Resp: 859391
 Ion Ratio Lower Upper
 225 100
 223 64.2 30.9 92.7
 227 66.0 32.9 98.7

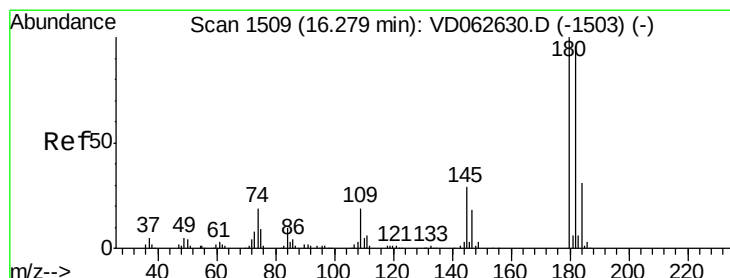
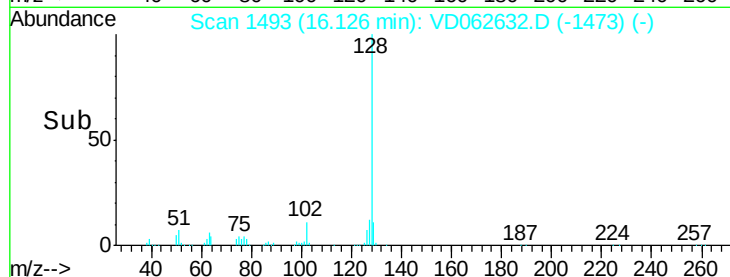
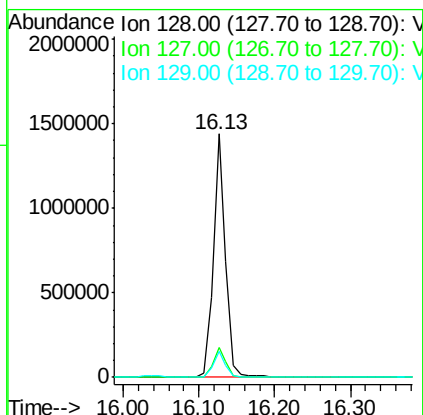
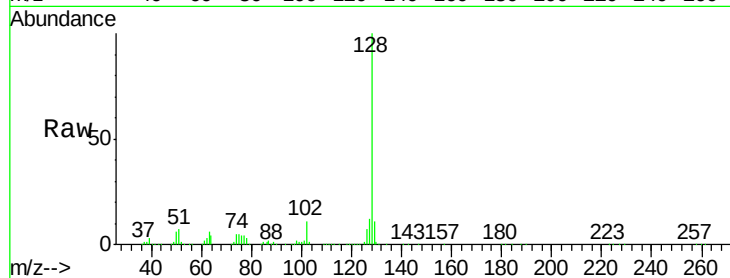




#95
Naphthalene
Concen: 108.246 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1639239
Ion Ratio Lower Upper
128 100
127 12.2 10.5 15.7
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 113.255 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062632.D
Acq: 6 Jun 2019 18:42

Tgt Ion:180 Resp: 912986
Ion Ratio Lower Upper
180 100
182 98.9 48.0 144.2
145 31.8 14.4 43.2

