

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062616.D
 Acq On : 5 Jun 2019 16:35
 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 06 05:31:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	783404	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1081754	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	895697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	509825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	1165776	108.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.98%	
35) Dibromofluoromethane	6.94	113	1176223	106.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.96%	
50) Toluene-d8	10.42	98	2516959	106.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.54%	
62) 4-Bromofluorobenzene	13.56	95	1157212	103.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	763054	78.745	ug/l	98
3) Chloromethane	1.75	50	598760	79.147	ug/l	98
4) Vinyl Chloride	1.86	62	678524	91.459	ug/l	98
5) Bromomethane	2.15	94	278285	76.369	ug/l	98
6) Chloroethane	2.26	64	328270	87.674	ug/l	92
7) Trichlorofluoromethane	2.54	101	1474300	89.017	ug/l	98
8) Diethyl Ether	2.88	74	198458	92.206	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	847761	91.045	ug/l	95
10) Methyl Iodide	3.30	142	1195917	100.347	ug/l	99
11) Tert butyl alcohol	4.10	59	237320	493.195	ug/l	99
12) 1,1-Dichloroethene	3.13	96	632322	92.663	ug/l	94
13) Acrolein	3.05	56	84241	495.049	ug/l	98
14) Allyl chloride	3.63	41	1030983	99.133	ug/l	96
15) Acrylonitrile	4.21	53	513295	489.329	ug/l	90
16) Acetone	3.23	43	961112	497.699	ug/l	98
17) Carbon Disulfide	3.38	76	1966169	98.871	ug/l	98
18) Methyl Acetate	3.66	43	283087	82.437	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	1635227	98.825	ug/l	97
20) Methylene Chloride	3.83	84	649301	86.385	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	734919	98.791	ug/l	98
22) Diisopropyl ether	5.13	45	2084271	94.871	ug/l	97
23) Vinyl Acetate	5.08	43	6452487	482.781	ug/l	98
24) 1,1-Dichloroethane	5.00	63	1316873	95.135	ug/l	98
25) 2-Butanone	6.09	43	921339	502.248	ug/l	94
26) 2,2-Dichloropropane	6.04	77	1447887	95.727	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	773648	96.488	ug/l	91
28) Bromochloromethane	6.45	49	596878	113.977	ug/l	90
29) Tetrahydrofuran	6.47	42	414906	487.226	ug/l	99
30) Chloroform	6.68	83	1647590	95.701	ug/l	96
31) Cyclohexane	6.97	56	906327	102.424	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	1696206	97.322	ug/l	96
36) 1,1-Dichloropropene	7.16	75	1094340	94.091	ug/l	99
37) Ethyl Acetate	6.20	43	446919	95.222	ug/l #	96
38) Carbon Tetrachloride	7.12	117	1741475	98.781	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	963304	96.874	ug/l	98
40) Benzene	7.47	78	2201253	95.827	ug/l	100
41) Methacrylonitrile	6.46	41	577567	95.026	ug/l	97
42) 1,2-Dichloroethane	7.59	62	1257597	93.011	ug/l	98
43) Isopropyl Acetate	9.25	43	629278	97.549	ug/l #	98
44) Trichloroethene	8.55	130	899413	96.552	ug/l	96
45) 1,2-Dichloropropane	8.95	63	550611	95.724	ug/l	99
46) Dibromomethane	9.07	93	458812	91.685	ug/l	99
47) Bromodichloromethane	9.39	83	1303664	96.720	ug/l	99
48) Methyl methacrylate	9.13	41	413552	94.265	ug/l	93
49) 1,4-Dioxane	9.09	88	69658	2000.657	ug/l	90
51) 4-Methyl-2-Pentanone	10.31	43	2032052	483.773	ug/l	100
52) Toluene	10.52	92	1485601	97.505	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	1099045	98.203	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	1125453	98.752	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	494656	94.631	ug/l	95
56) Ethyl methacrylate	11.05	69	566681	97.273	ug/l	94
57) 1,3-Dichloropropane	11.42	76	761287	93.282	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	1445529	483.786	ug/l	99
59) 2-Hexanone	11.54	43	1618432	508.149	ug/l	99
60) Dibromochloromethane	11.69	129	1002949	98.194	ug/l	99
61) 1,2-Dibromoethane	11.82	107	607860	94.946	ug/l	95
64) Tetrachloroethene	11.27	164	797625	98.604	ug/l	94
65) Chlorobenzene	12.41	112	1842736	99.008	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	872086	97.475	ug/l	96
67) Ethyl Benzene	12.53	91	3155980	93.818	ug/l	100
68) m/p-Xylenes	12.68	106	2364701	201.527	ug/l	93
69) o-Xylene	13.06	106	1066517	94.333	ug/l	95
70) Styrene	13.08	104	1834332	96.578	ug/l	98
71) Bromoform	13.25	173	629326	101.844	ug/l #	97
73) Isopropylbenzene	13.41	105	3405163	96.057	ug/l	95
74) N-amyl acetate	13.28	43	900637	98.393	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	588615	99.051	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	639247	96.121	ug/l	97
77) Bromobenzene	13.68	156	928541	94.169	ug/l	84
78) n-propylbenzene	13.78	91	3565272	86.721	ug/l	99
79) 2-Chlorotoluene	13.85	91	2268454	91.012	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	2904387	95.199	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	176353	103.162	ug/l	87
82) 4-Chlorotoluene	13.96	91	2706553	92.278	ug/l	97
83) tert-Butylbenzene	14.20	119	3272120	97.402	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	2815544	90.163	ug/l	100
85) sec-Butylbenzene	14.38	105	3260702	94.201	ug/l	96
86) p-Isopropyltoluene	14.50	119	3092992	92.942	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	1614691	97.570	ug/l	93
88) 1,4-Dichlorobenzene	14.55	146	1617408	96.502	ug/l	95
89) n-Butylbenzene	14.80	91	2907006	93.945	ug/l	99
90) Hexachloroethane	15.01	117	869494	99.272	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	1422056	93.061	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	119246	98.097	ug/l	93

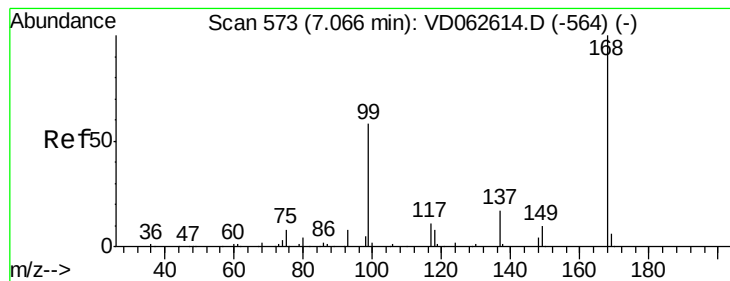
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060519\
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Quant Title : SW846 8260
QLast Update : Thu Jun 06 05:23:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	1026300	93.473	ug/l	96
94) Hexachlorobutadiene	16.04	225	823195	99.955	ug/l	98
95) Naphthalene	16.13	128	1599018	101.702	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	816994	97.309	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

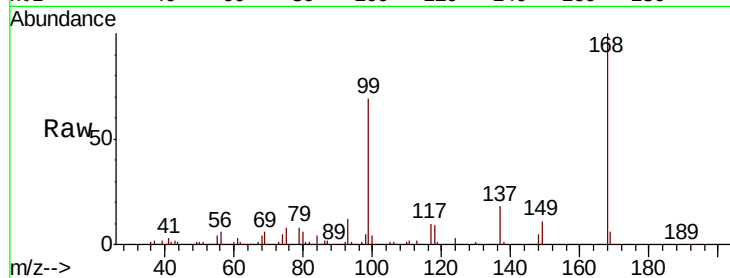
VSTDIC100

Tot Ion:168 Resp: 783404

Ion Ratio Lower Upper

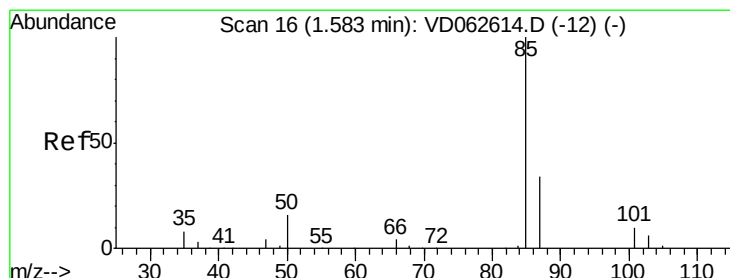
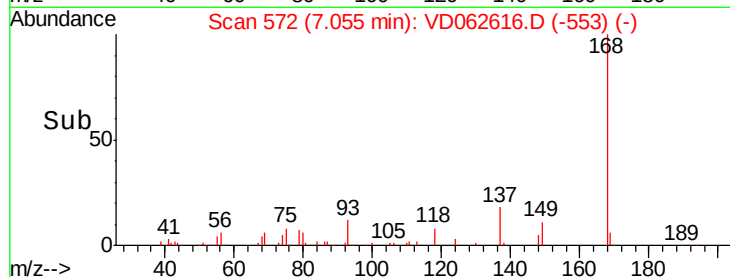
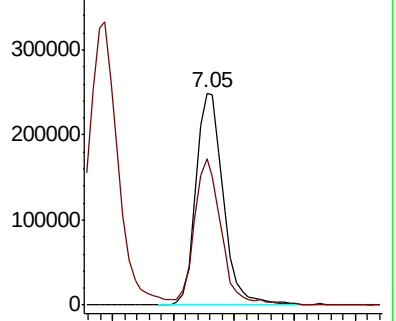
168 100

99 68.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 78.745 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.00 min

Lab File: VD062616.D

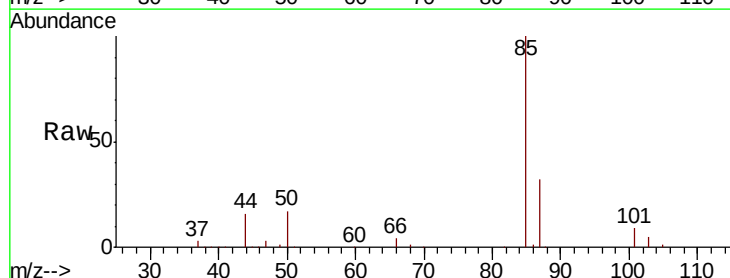
Acq: 5 Jun 2019 16:35

Tgt Ion: 85 Resp: 763054

Ion Ratio Lower Upper

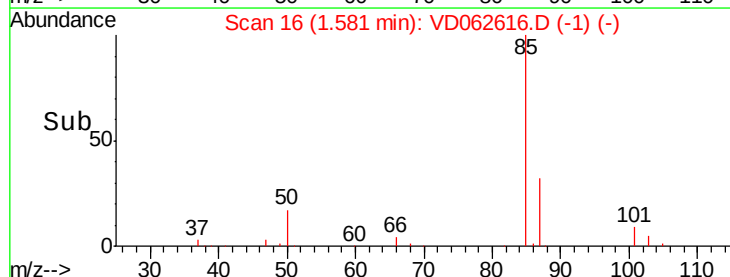
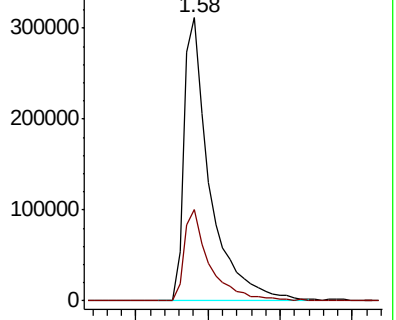
85 100

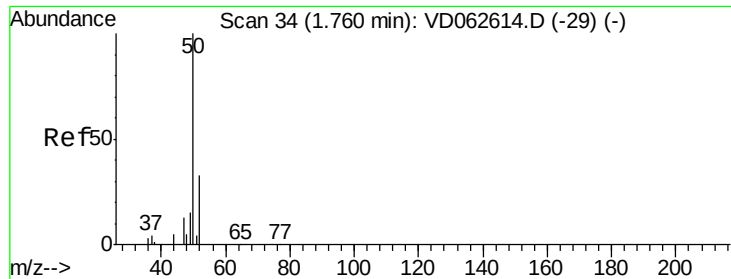
87 32.4 16.9 50.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 79.147 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

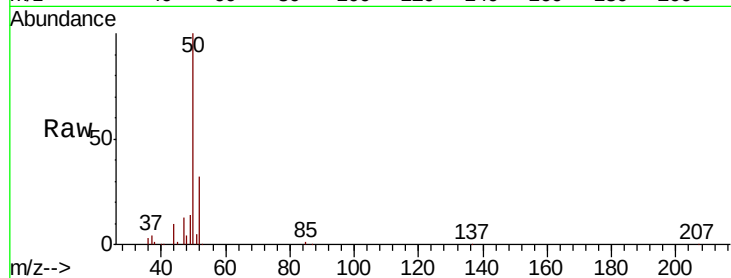
VSTDIC100

Tot Ion: 50 Resp: 598760

Ion Ratio Lower Upper

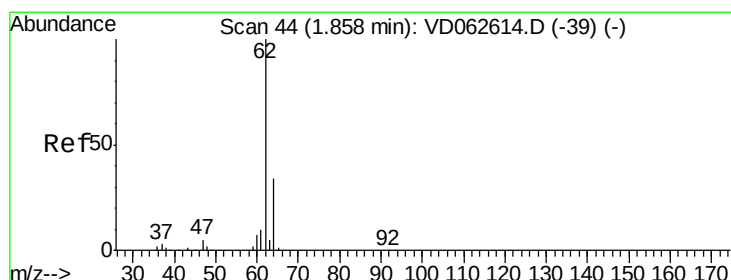
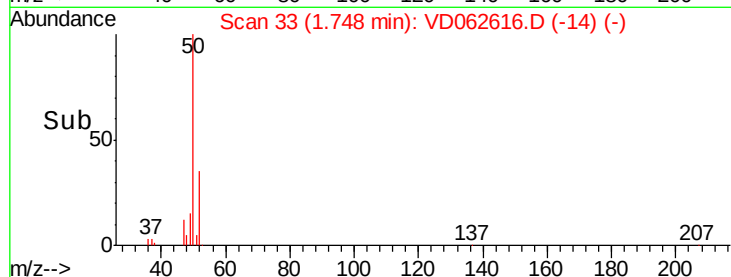
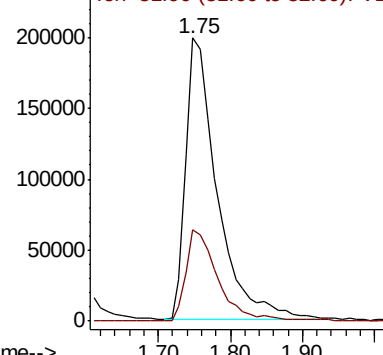
50 100

52 32.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 91.459 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062616.D

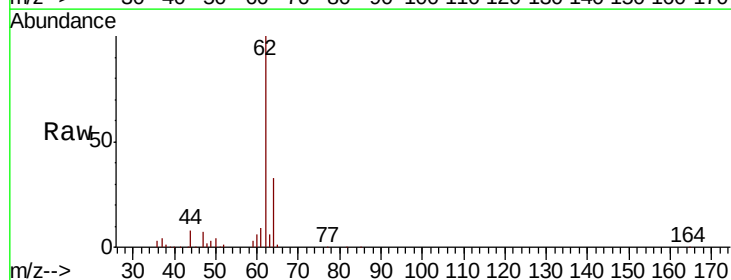
Acq: 5 Jun 2019 16:35

Tgt Ion: 62 Resp: 678524

Ion Ratio Lower Upper

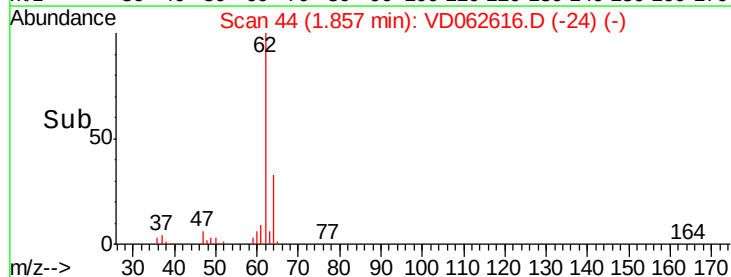
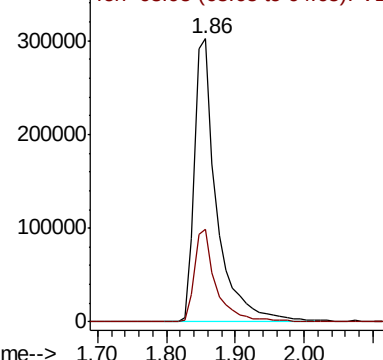
62 100

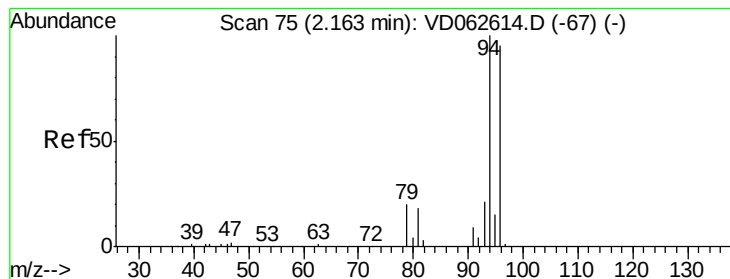
64 32.6 27.2 40.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 76.369 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

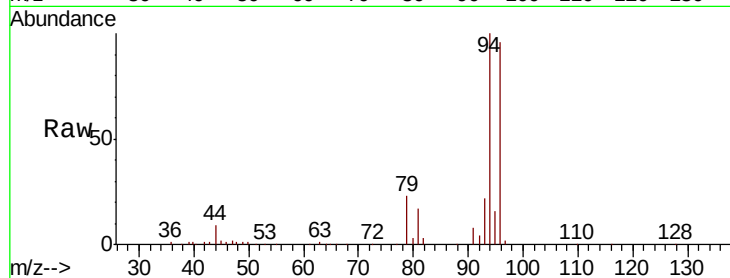
Tot Ion: 94 Resp: 278285

Ion Ratio Lower Upper

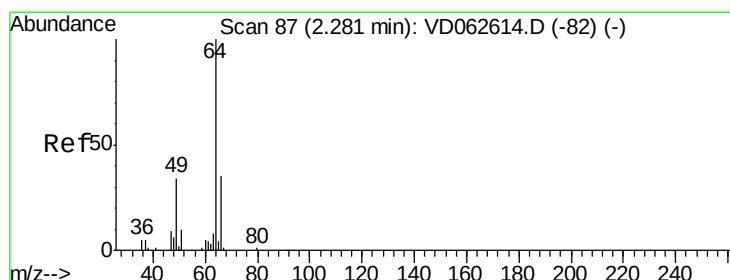
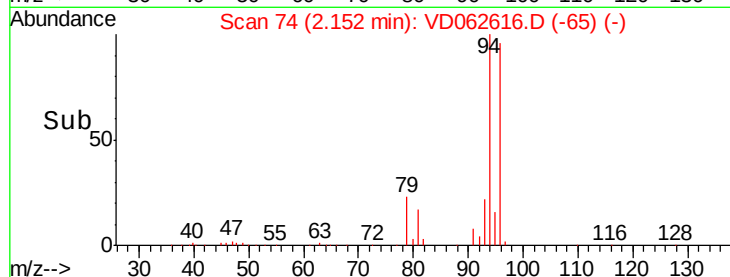
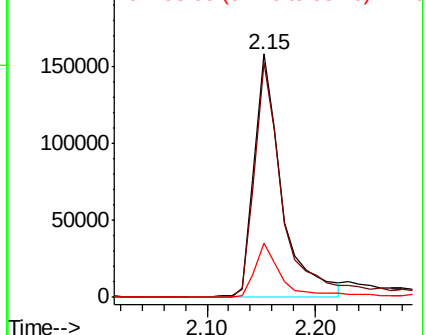
94 100

96 96.2 75.8 113.8

93 22.2 16.6 25.0



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: 87.674 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062616.D

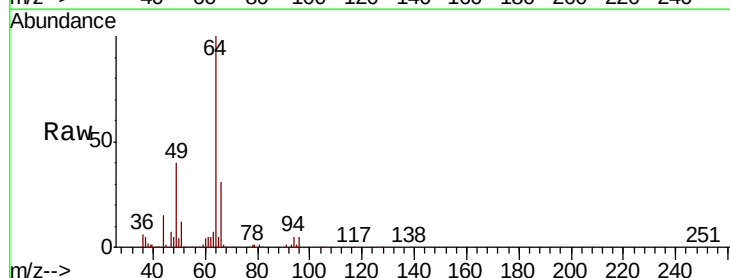
Acq: 5 Jun 2019 16:35

Tgt Ion: 64 Resp: 328270

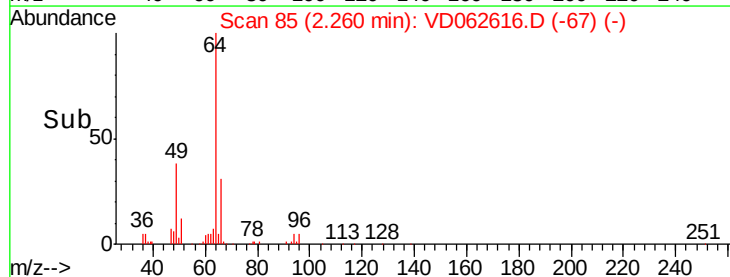
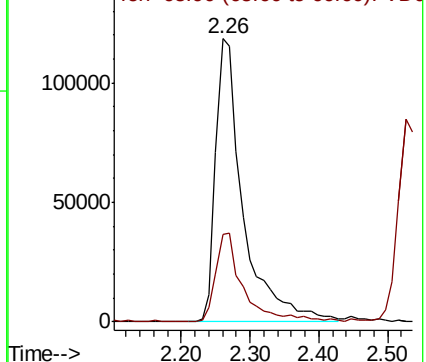
Ion Ratio Lower Upper

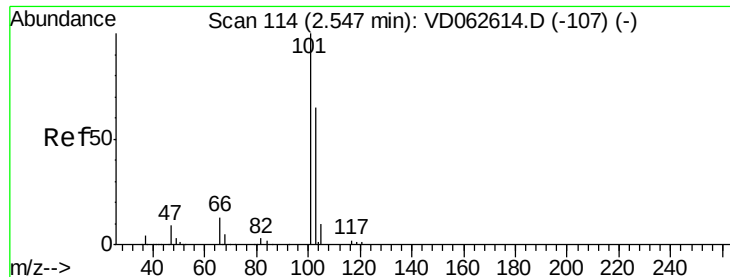
64 100

66 30.7 28.4 42.6



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



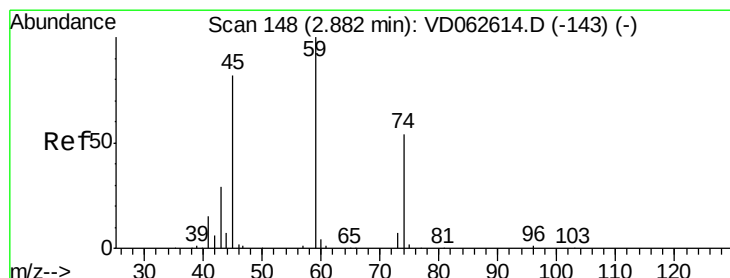
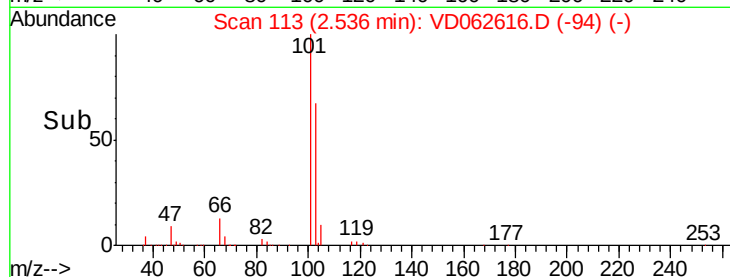
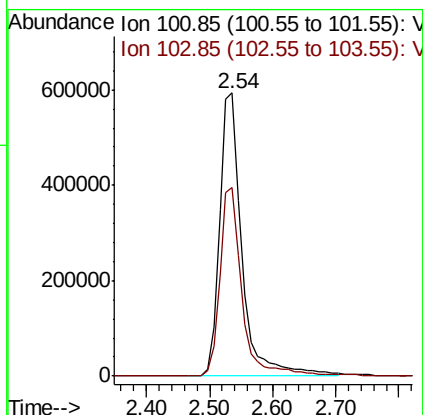
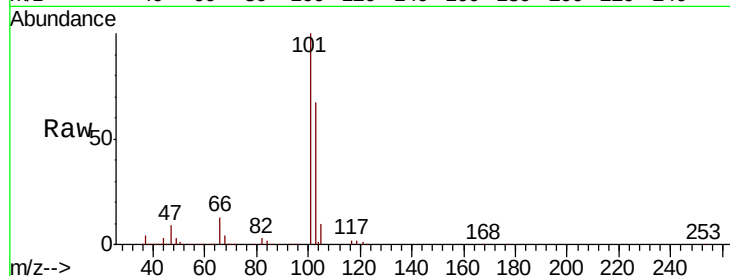


#7

Trichlorofluoromethane
 Concen: 89.017 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
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 ClientSampleId :
 VSTDIC100

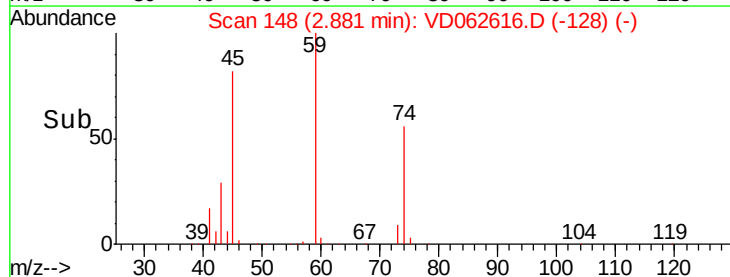
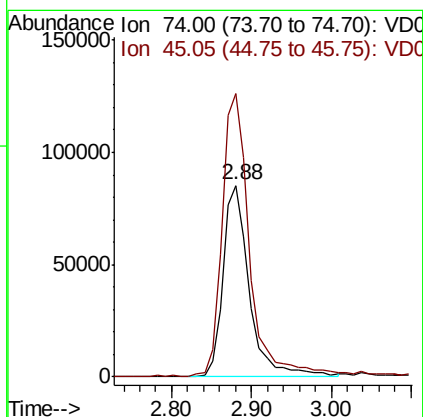
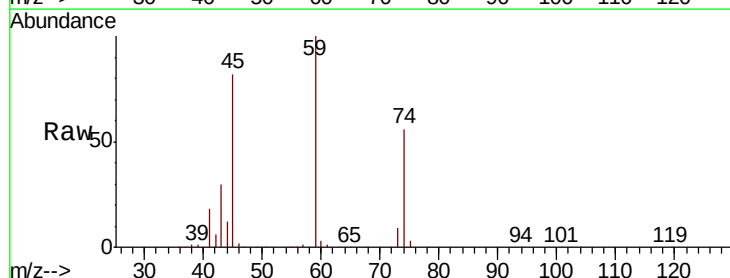
Tot Ion:101 Resp: 1474300
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.1 78.1

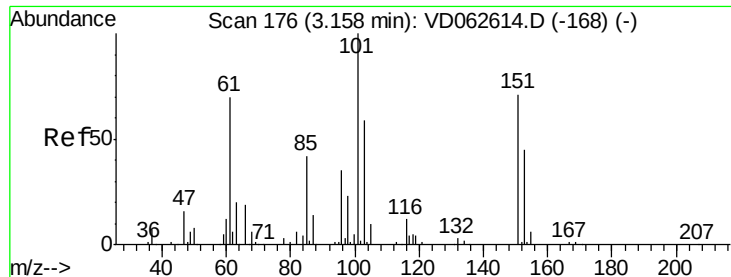


#8

Diethyl Ether
 Concen: 92.206 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 74 Resp: 198458
 Ion Ratio Lower Upper
 74 100
 45 147.6 75.6 226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.045 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

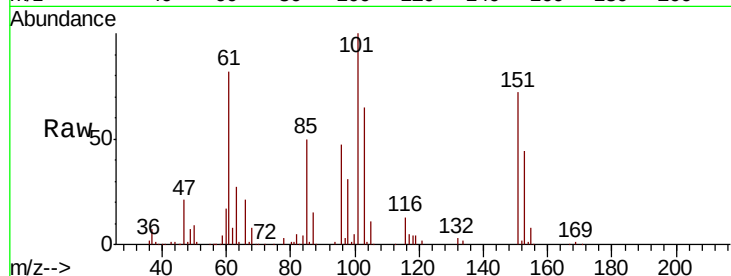
Tot Ion:101 Resp: 847761

Ion Ratio Lower Upper

101 100

85 50.2 33.8 50.6

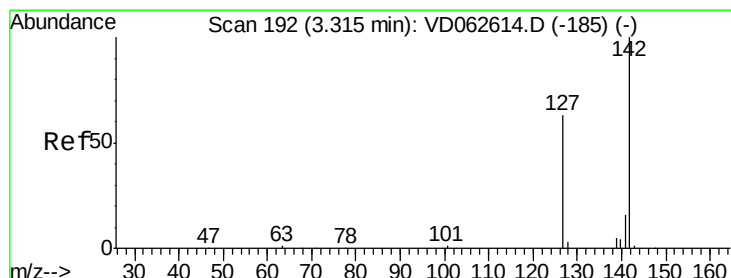
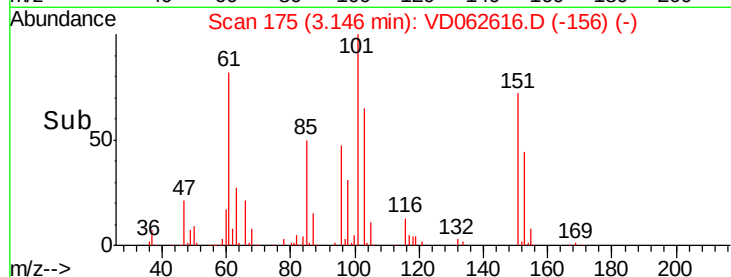
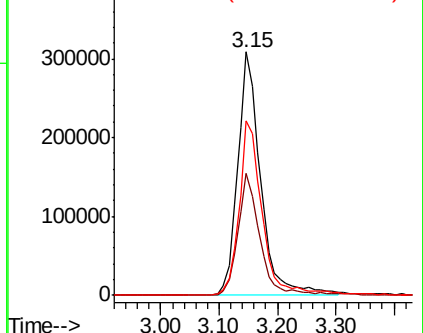
151 71.8 56.8 85.2



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: 100.347 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

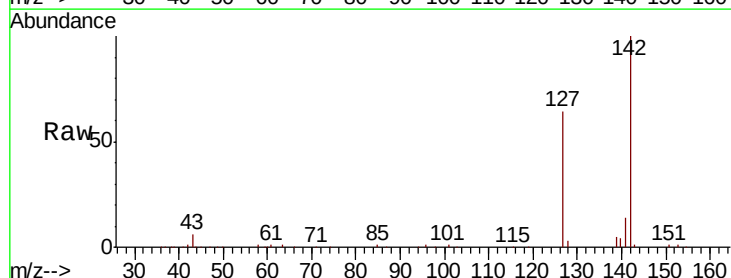
Tgt Ion:142 Resp: 1195917

Ion Ratio Lower Upper

142 100

127 63.7 50.7 76.1

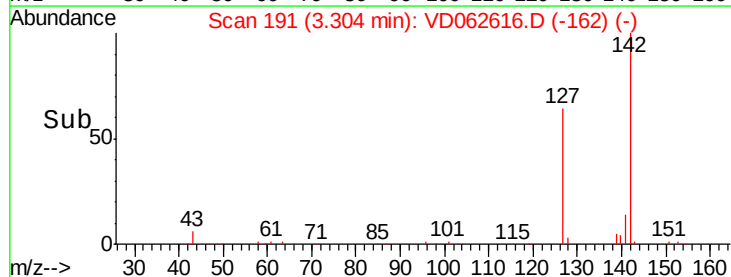
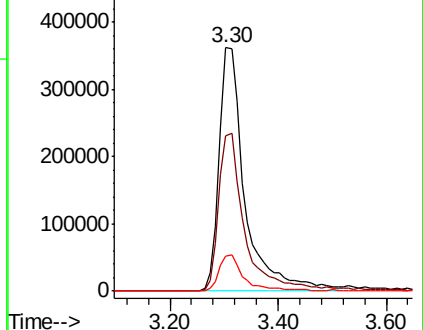
141 14.1 12.9 19.3

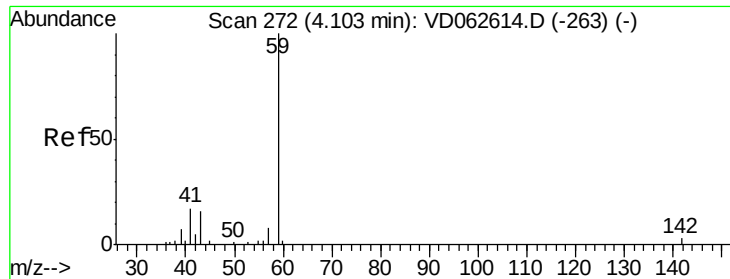


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



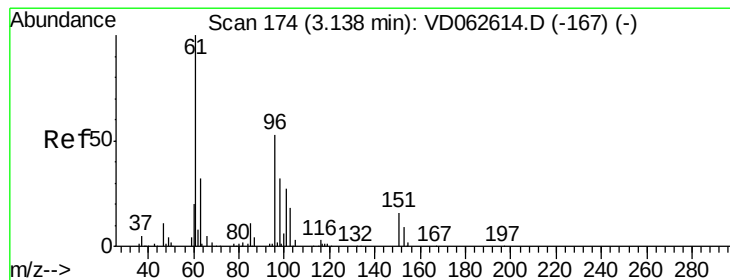
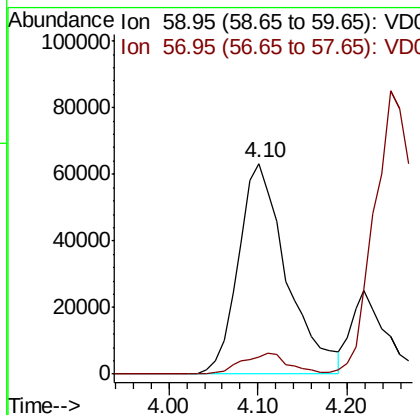
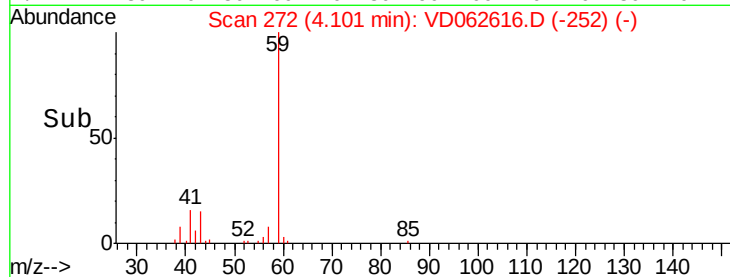
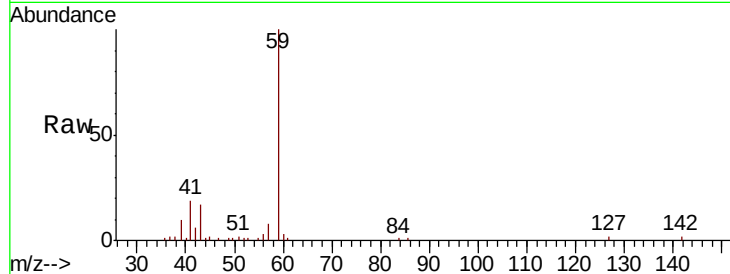


#11

Tert butyl alcohol
 Concen: 493.195 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

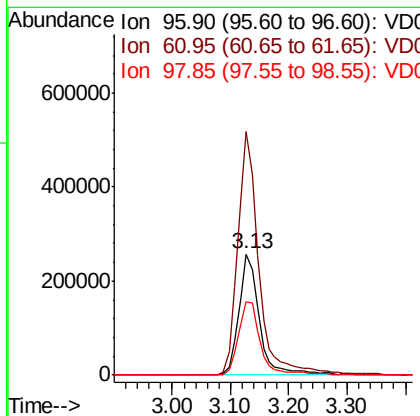
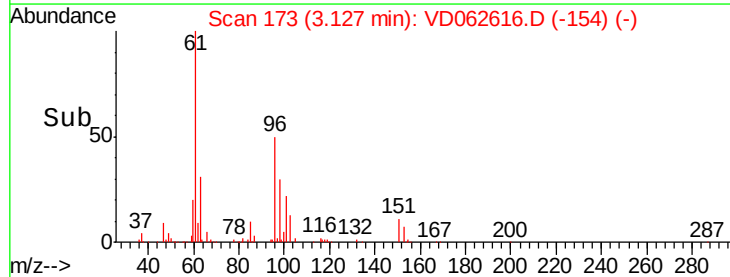
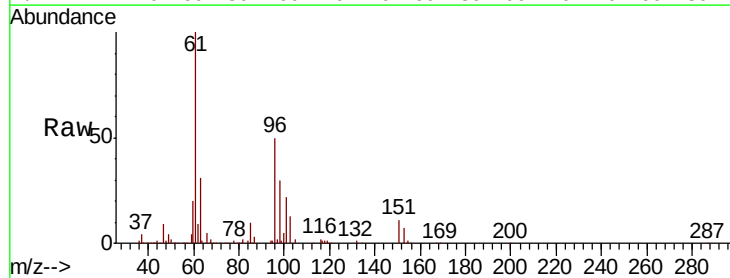
Tot Ion: 59 Resp: 237320
 Ion Ratio Lower Upper
 59 100
 57 8.4 6.4 9.6

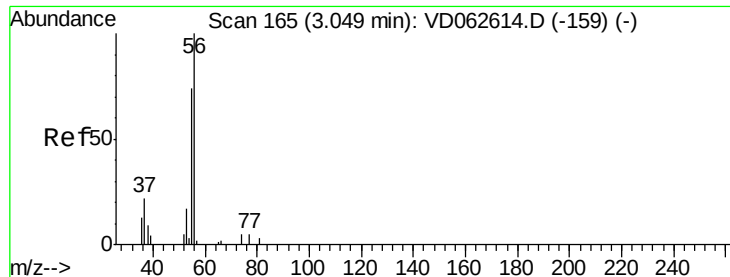


#12

1,1-Dichloroethene
 Concen: 92.663 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 96 Resp: 632322
 Ion Ratio Lower Upper
 96 100
 61 201.2 151.3 226.9
 98 61.1 48.6 72.8





#13

Acrolein

Concen: 495.049 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

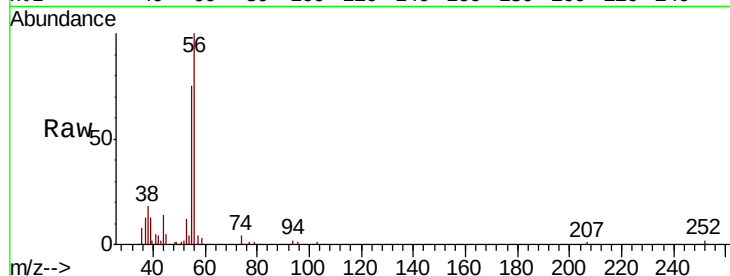
VSTDIC100

Tot Ion: 56 Resp: 84241

Ion Ratio Lower Upper

56 100

55 75.2 61.4 92.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

30000

20000

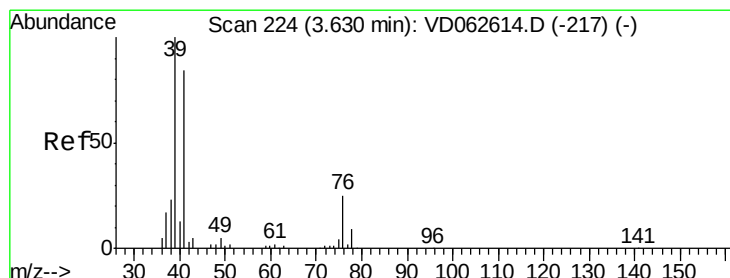
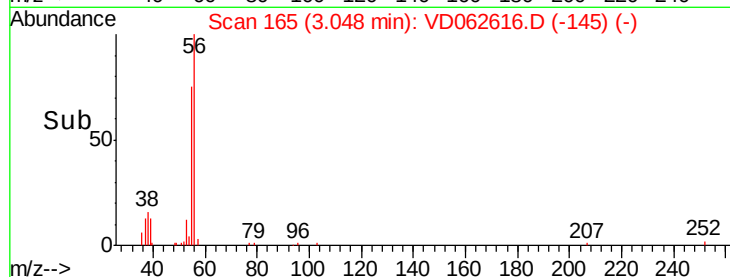
10000

0

Time-->

2.90 3.00 3.10 3.20

3.05



#14

Allyl chloride

Concen: 99.133 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

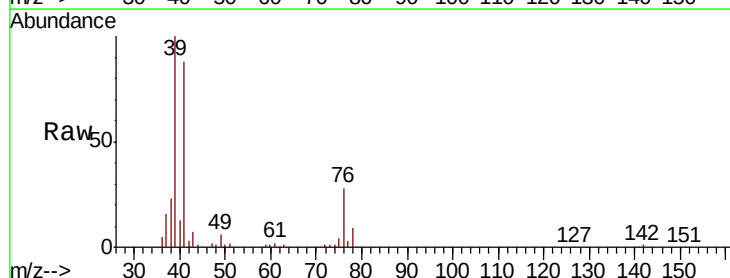
Tgt Ion: 41 Resp: 1030983

Ion Ratio Lower Upper

41 100

39 113.7 95.5 143.3

76 31.5 25.4 38.0



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

500000

400000

300000

200000

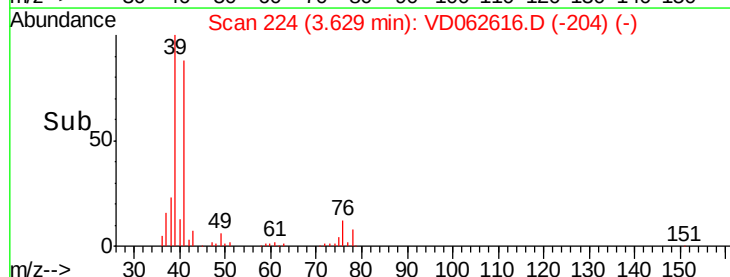
100000

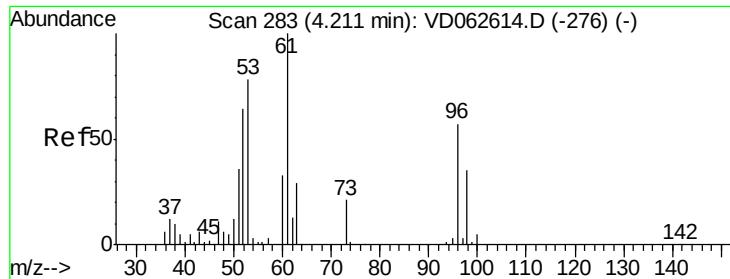
0

Time-->

3.50 3.60 3.70 3.80

3.63

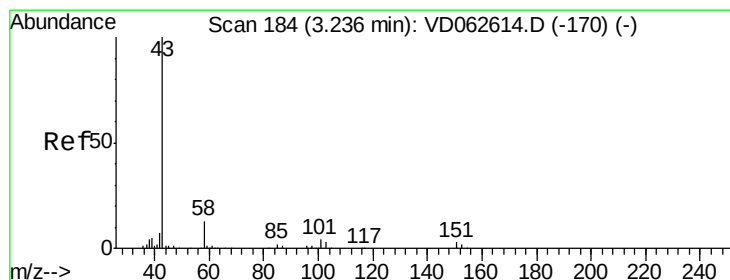
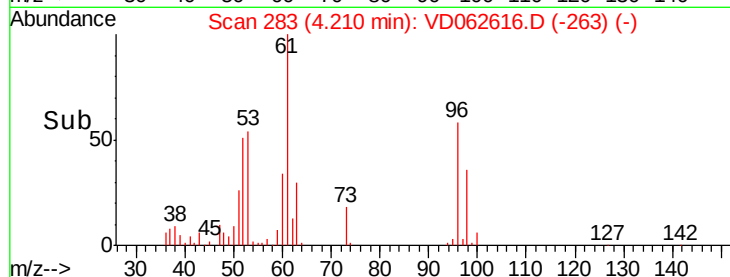
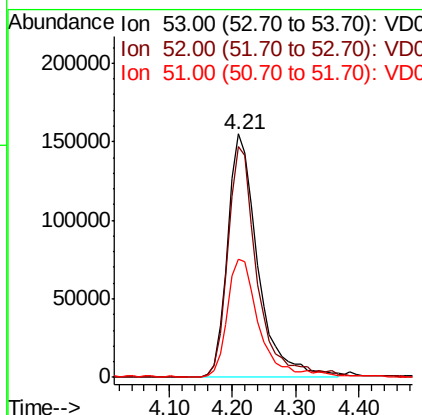
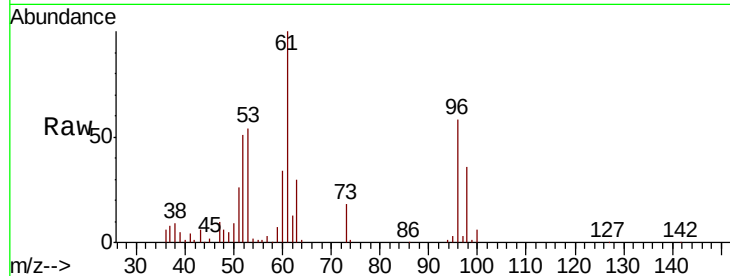




#15
 Acrylonitrile
 Concen: 489.329 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

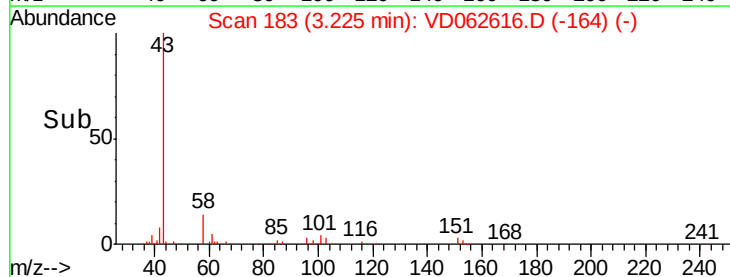
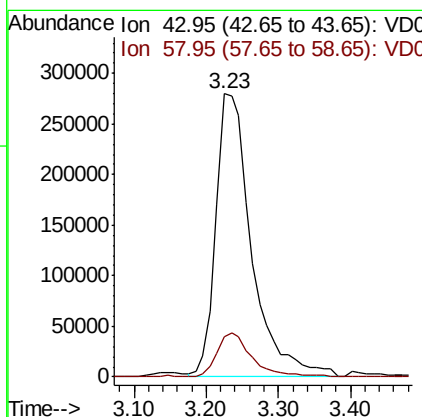
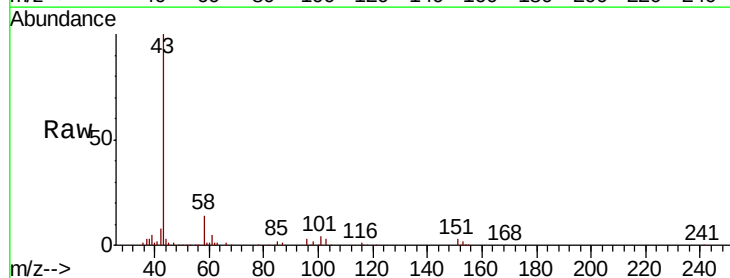
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

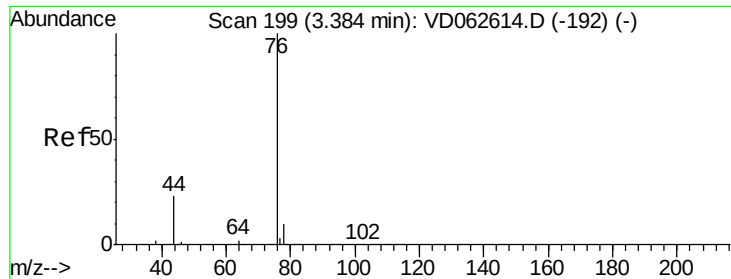
Tot Ion: 53 Resp: 513295
 Ion Ratio Lower Upper
 53 100
 52 94.5 65.8 98.6
 51 48.8 36.9 55.3



#16
 Acetone
 Concen: 497.699 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 43 Resp: 961112
 Ion Ratio Lower Upper
 43 100
 58 14.1 10.7 16.1





#17

Carbon Disulfide

Concen: 98.871 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

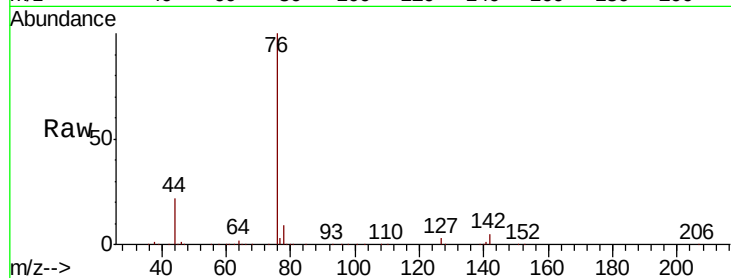
VSTDIC100

Tot Ion: 76 Resp: 1966169

Ion Ratio Lower Upper

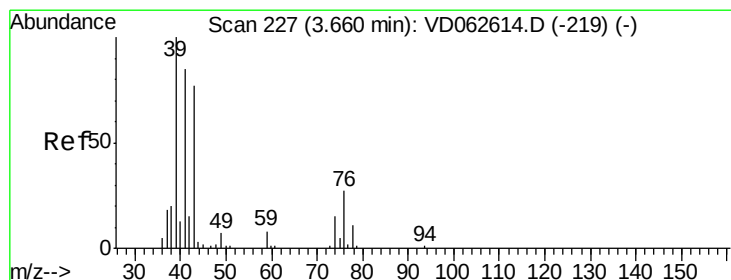
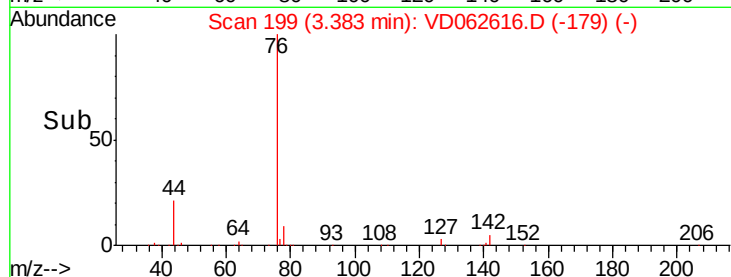
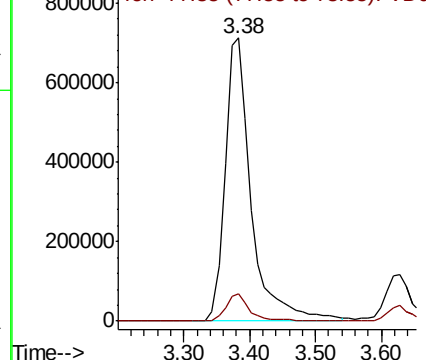
76 100

78 9.5 8.1 12.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 82.437 ug/l

RT: 3.66 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD062616.D

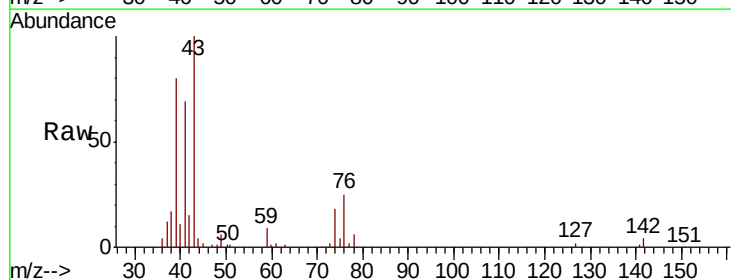
Acq: 5 Jun 2019 16:35

Tgt Ion: 43 Resp: 283087

Ion Ratio Lower Upper

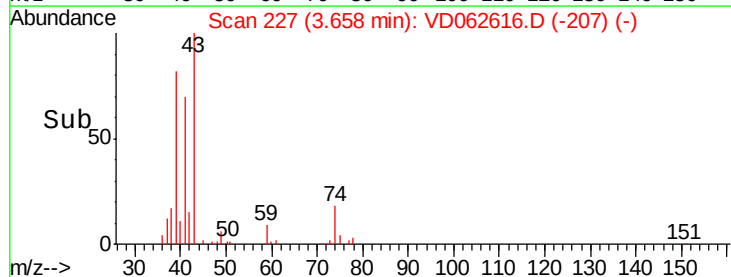
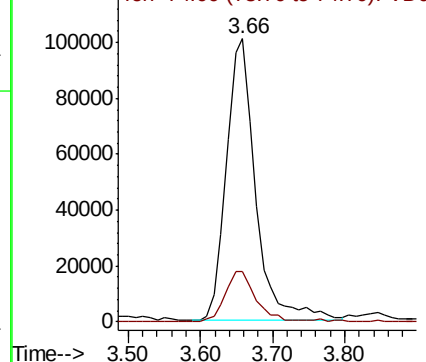
43 100

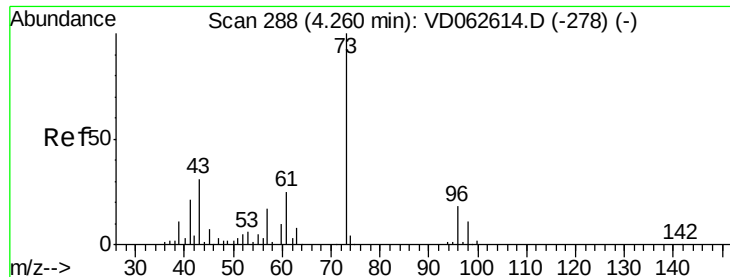
74 17.8 15.5 23.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



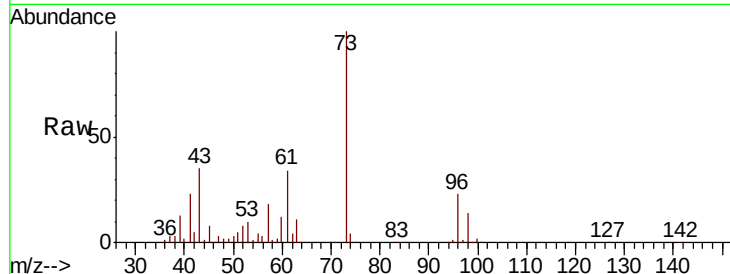


#19

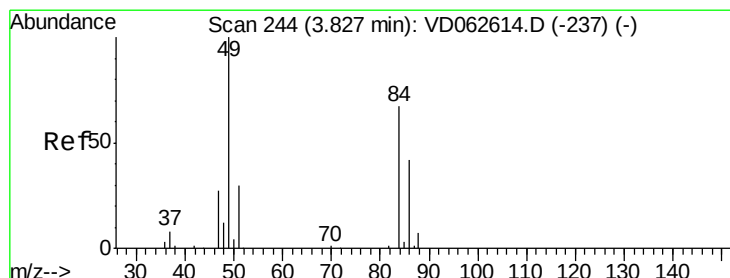
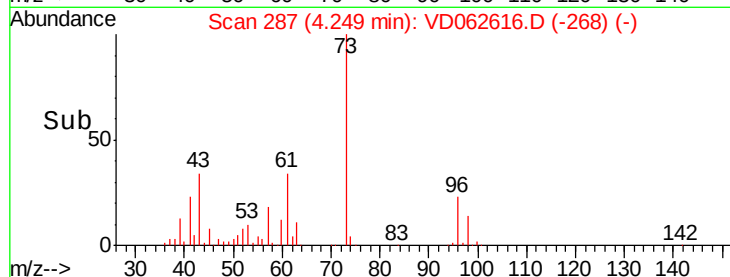
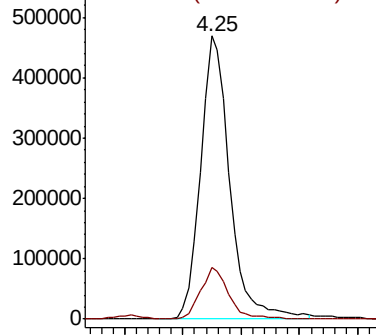
Methyl tert-butyl Ether
 Concen: 98.825 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion: 73 Resp: 1635227
 Ion Ratio Lower Upper
 73 100
 57 18.1 13.5 20.3



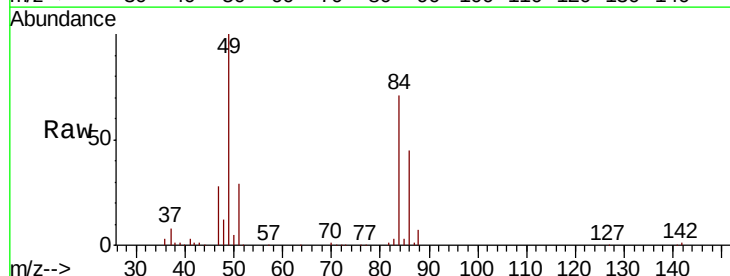
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



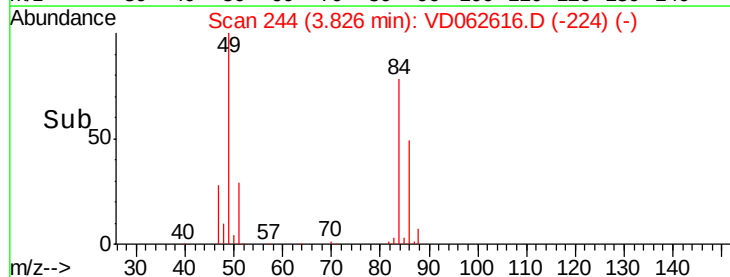
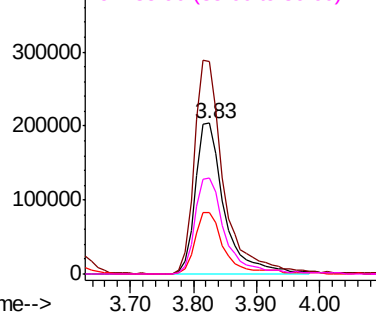
#20

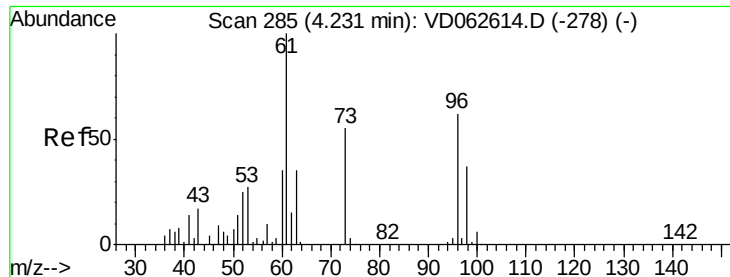
Methylene Chloride
 Concen: 86.385 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 84 Resp: 649301
 Ion Ratio Lower Upper
 84 100
 49 140.8 119.0 178.6
 51 40.8 35.4 53.2
 86 63.6 50.0 75.0



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





#21

trans-1,2-Dichloroethene

Concen: 98.791 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

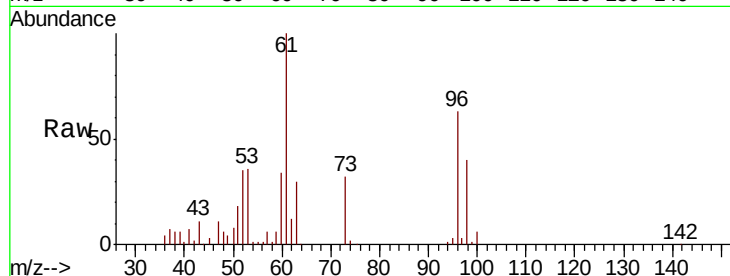
Tot Ion: 96 Resp: 734919

Ion Ratio Lower Upper

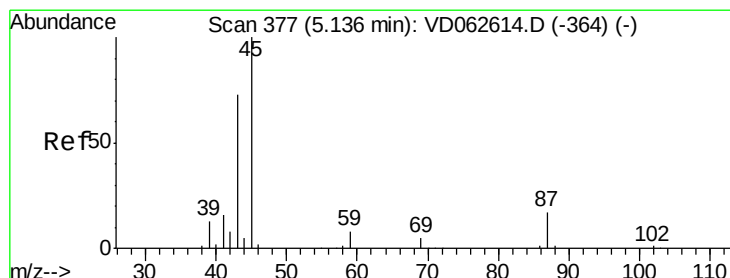
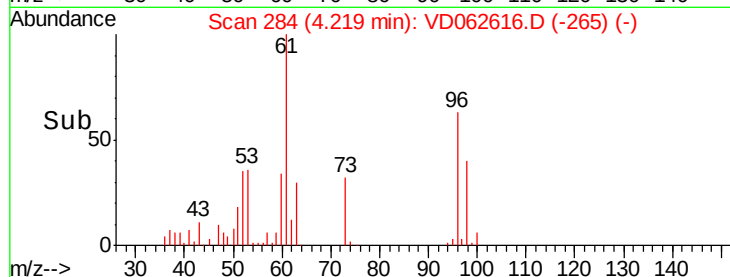
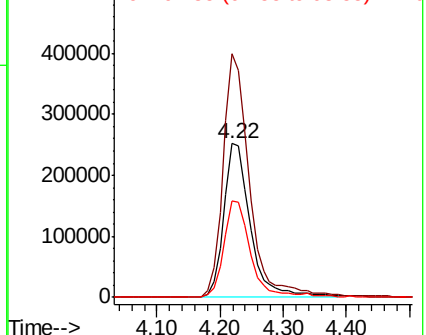
96 100

61 158.2 128.2 192.4

98 62.7 47.5 71.3



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: 94.871 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Tgt Ion: 45 Resp: 2084271

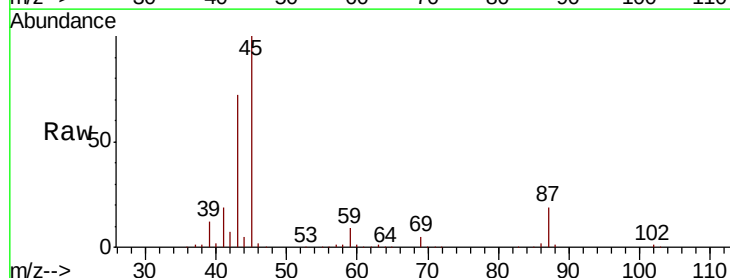
Ion Ratio Lower Upper

45 100

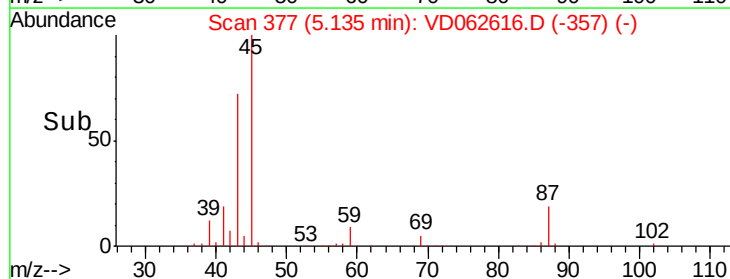
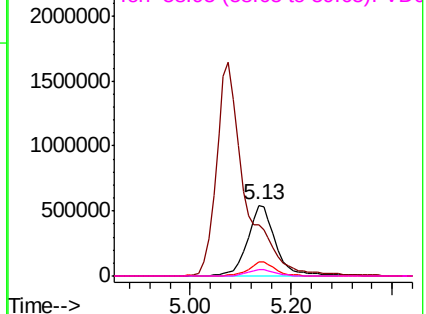
43 71.9 59.3 88.9

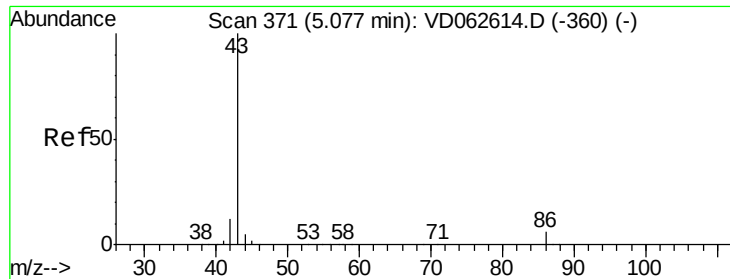
87 19.2 14.6 22.0

59 9.4 6.6 10.0



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





#23

Vinyl Acetate

Concen: 482.781 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

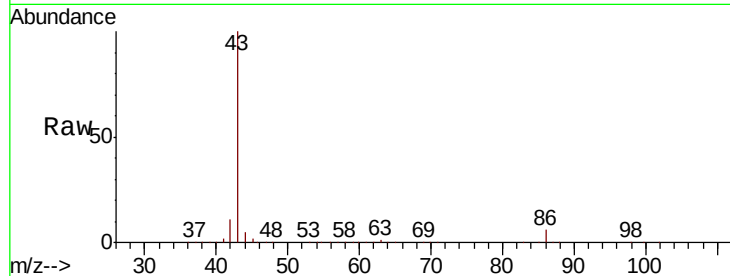
VSTDIC100

Tot Ion: 43 Resp: 6452487

Ion Ratio Lower Upper

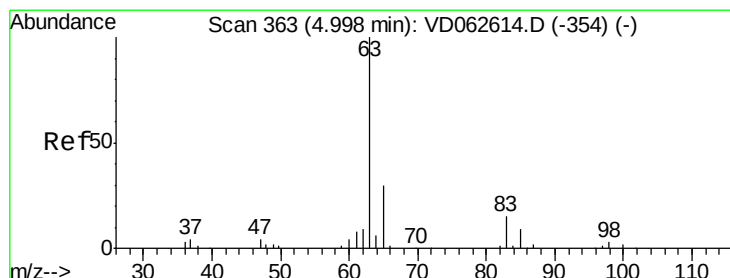
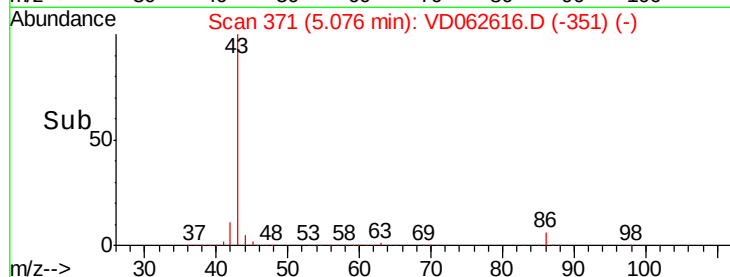
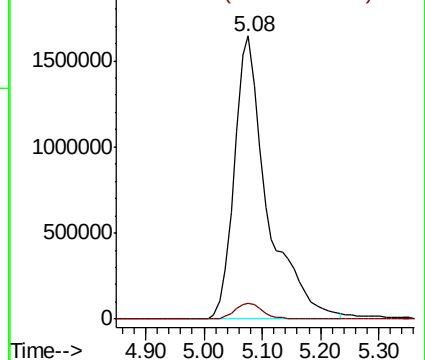
43 100

86 5.8 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 95.135 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

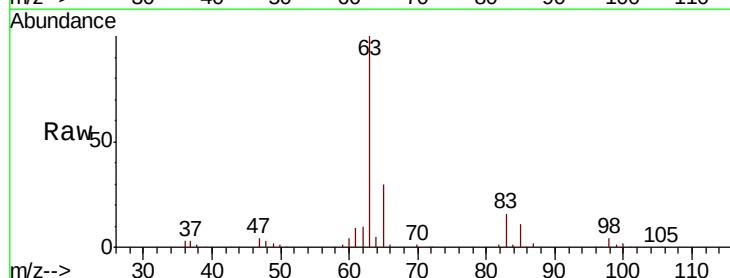
Tgt Ion: 63 Resp: 1316873

Ion Ratio Lower Upper

63 100

98 4.2 1.7 5.1

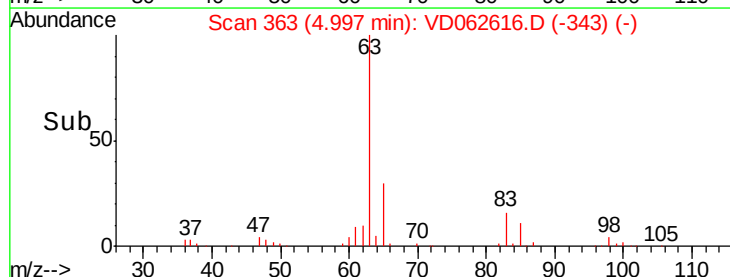
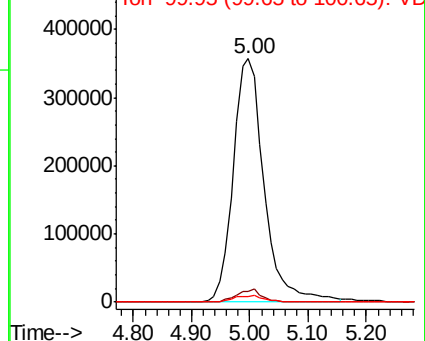
100 2.4 1.1 3.5

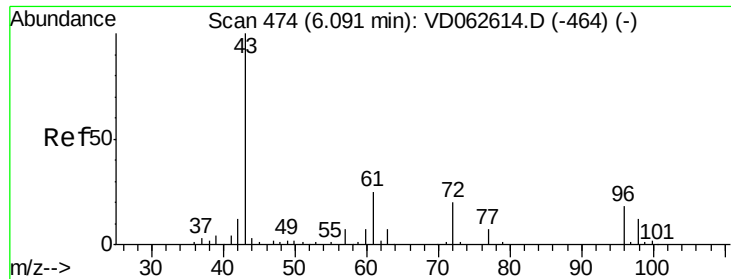


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 502.248 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

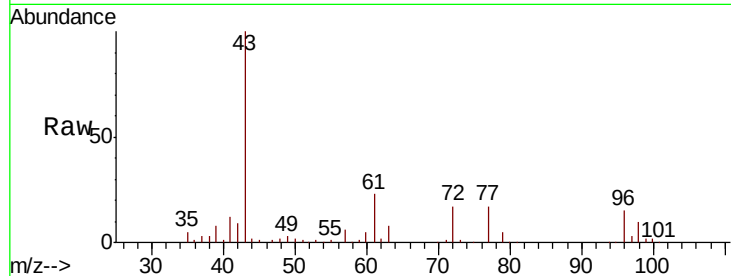
VSTDIC100

Tot Ion: 43 Resp: 921339

Ion Ratio Lower Upper

43 100

72 16.6 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.09

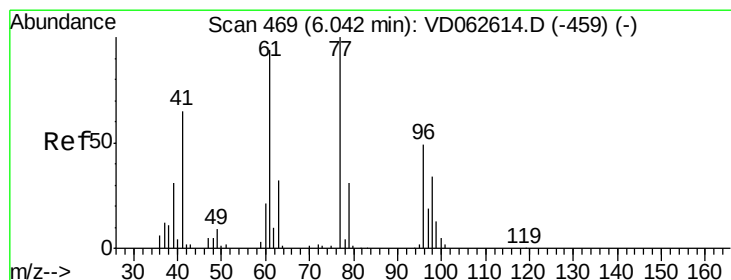
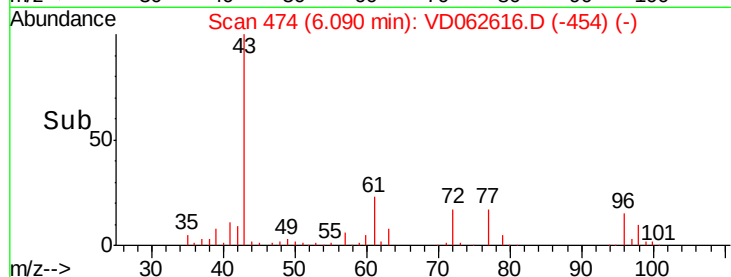
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 95.727 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062616.D

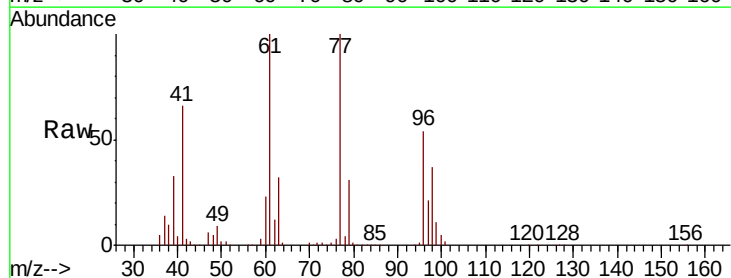
Acq: 5 Jun 2019 16:35

Tgt Ion: 77 Resp: 1447887

Ion Ratio Lower Upper

77 100

97 21.0 9.6 28.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.04

400000

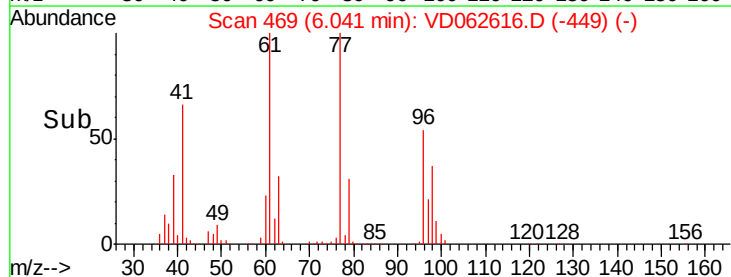
300000

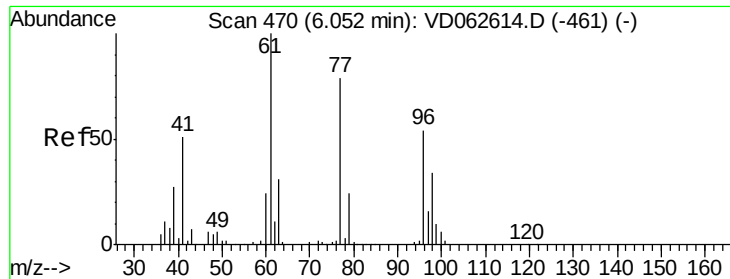
200000

100000

0

Time-->



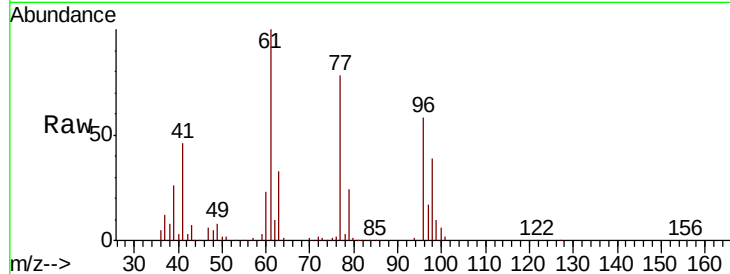


#27

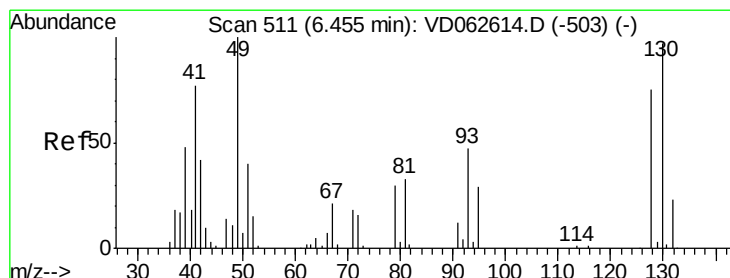
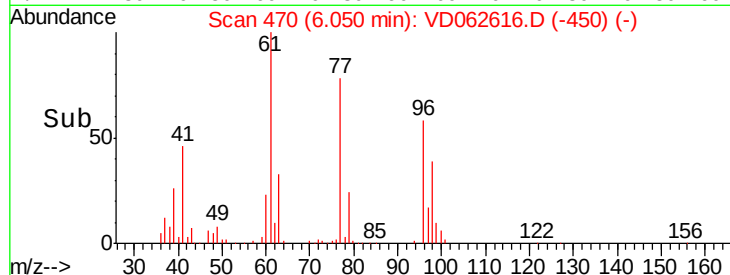
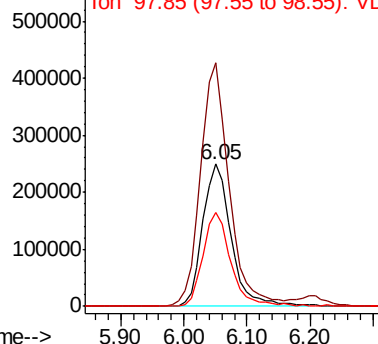
cis-1,2-Dichloroethene
 Concen: 96.488 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 96 Resp: 773648
 Ion Ratio Lower Upper
 96 100
 61 171.5 0.0 372.0
 98 66.5 0.0 126.4



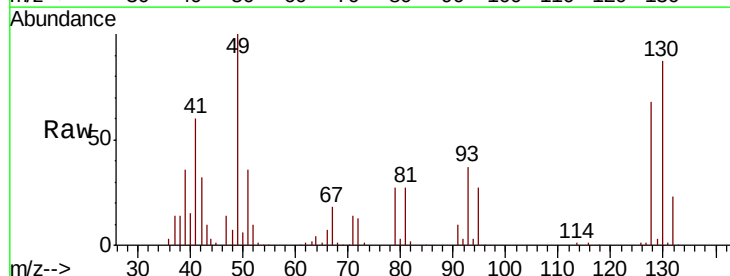
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



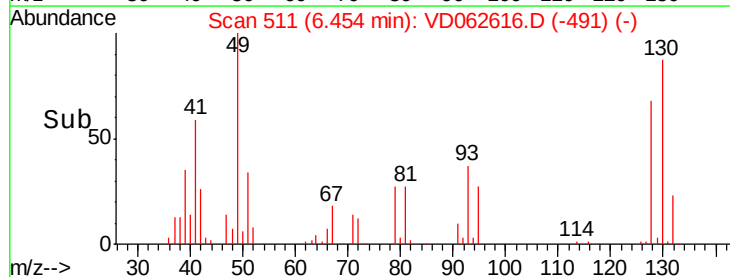
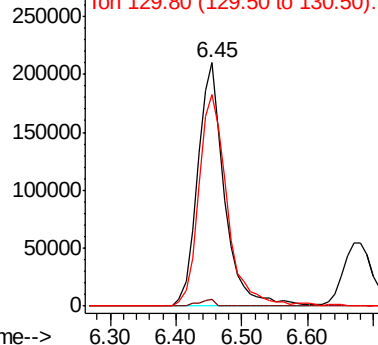
#28

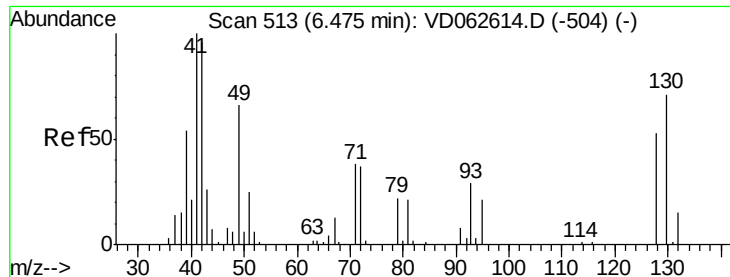
Bromochloromethane
 Concen: 113.977 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 49 Resp: 596878
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 6.4
 130 86.9 77.6 116.4



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





#29

Tetrahydrofuran

Concen: 487.226 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

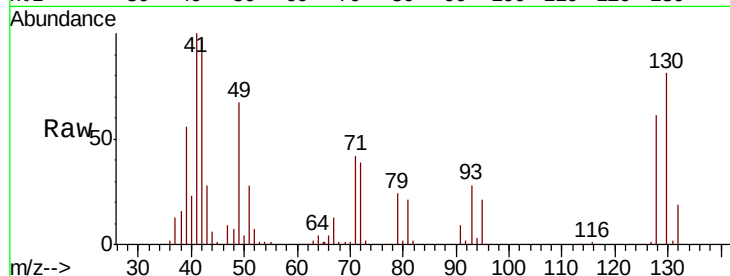
Tot Ion: 42 Resp: 414906

Ion Ratio Lower Upper

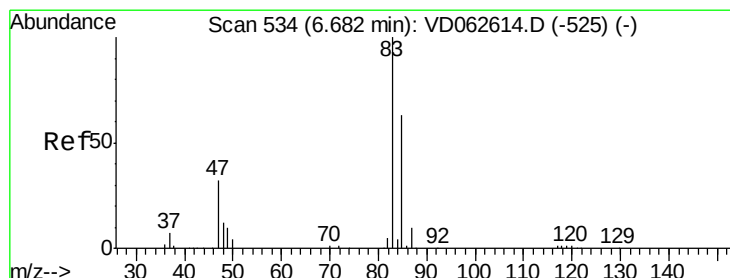
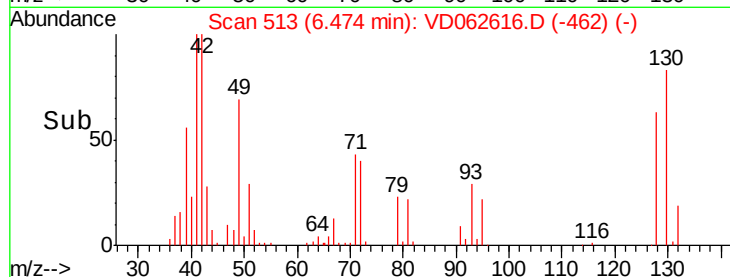
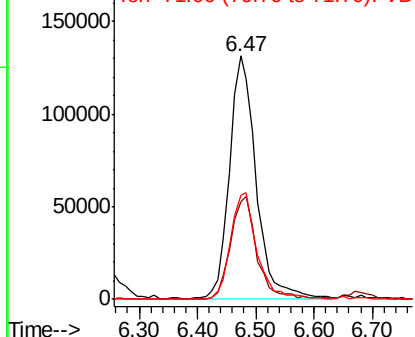
42 100

72 41.6 32.5 48.7

71 44.1 35.0 52.4



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: 95.701 ug/l

RT: 6.68 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD062616.D

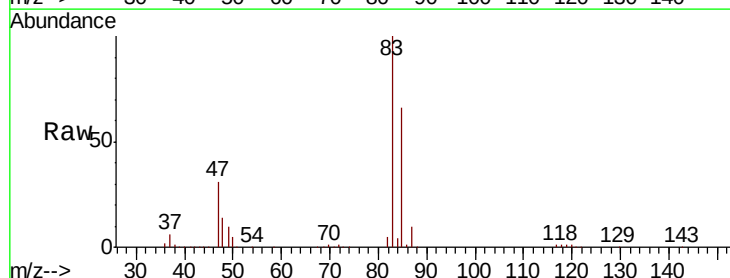
Acq: 5 Jun 2019 16:35

Tgt Ion: 83 Resp: 1647590

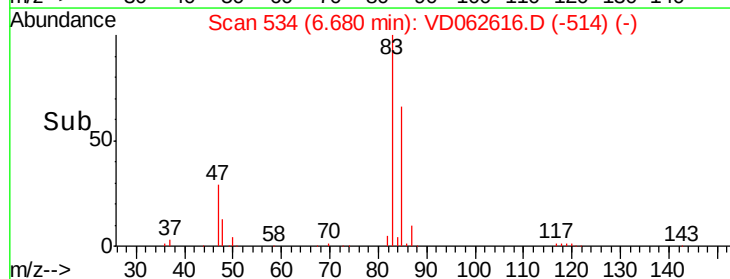
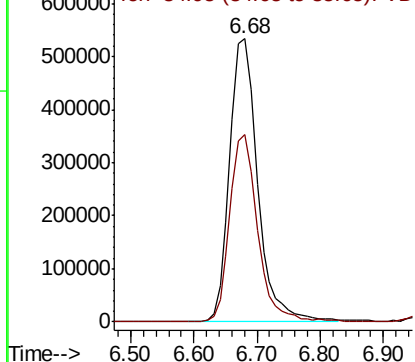
Ion Ratio Lower Upper

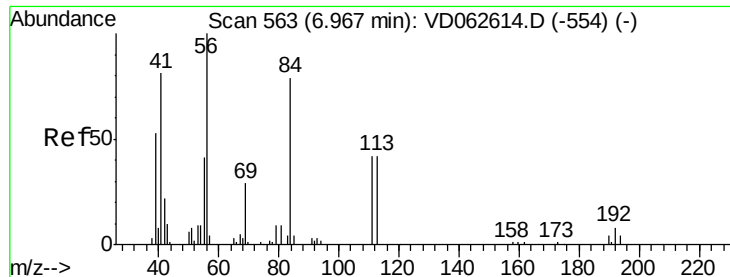
83 100

85 66.4 50.4 75.6



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

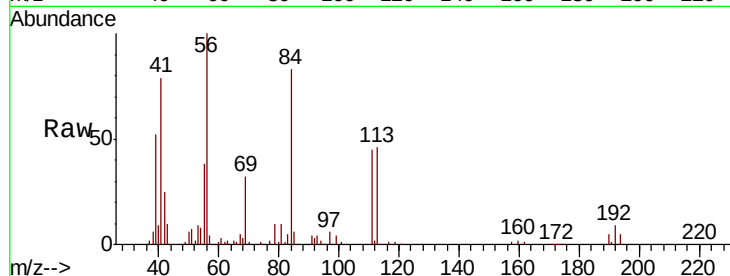




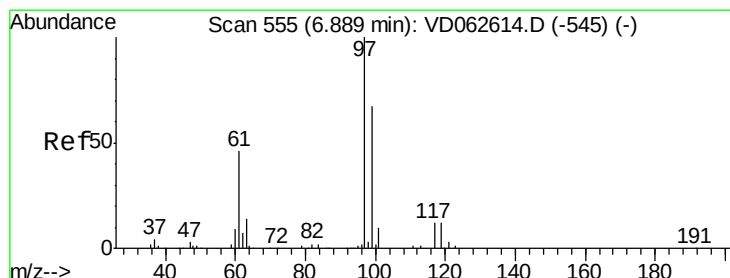
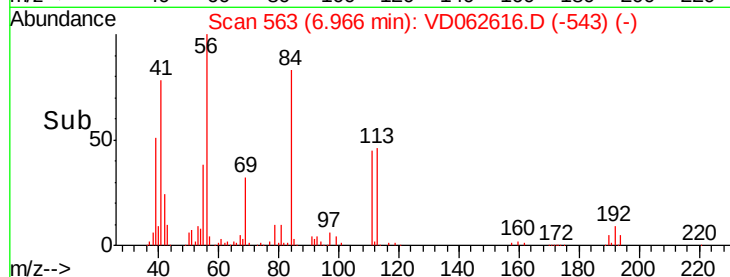
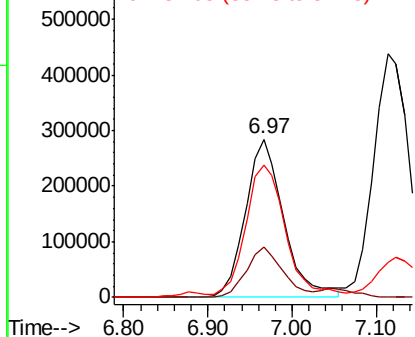
#31
Cyclohexane
Concen: 102.424 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 906327
Ion Ratio Lower Upper
56 100
69 32.2 23.0 34.4
84 83.5 66.0 99.0

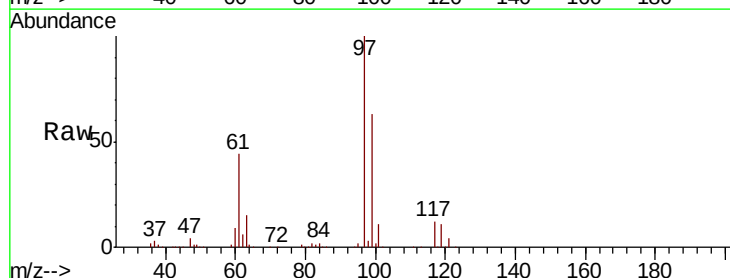


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

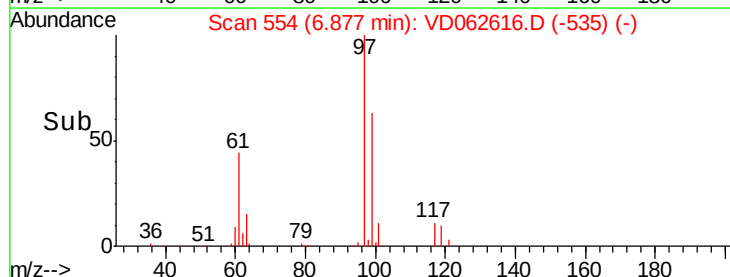
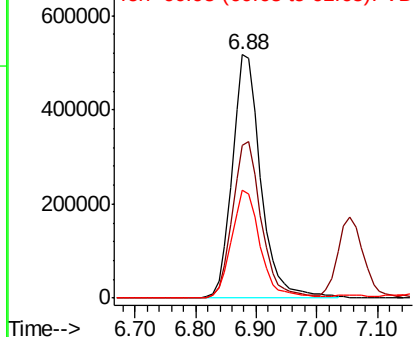


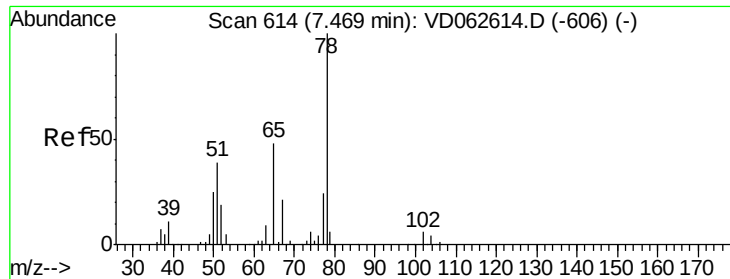
#32
1,1,1-Trichloroethane
Concen: 97.322 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 97 Resp: 1696206
Ion Ratio Lower Upper
97 100
99 62.9 53.4 80.0
61 44.4 36.7 55.1



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

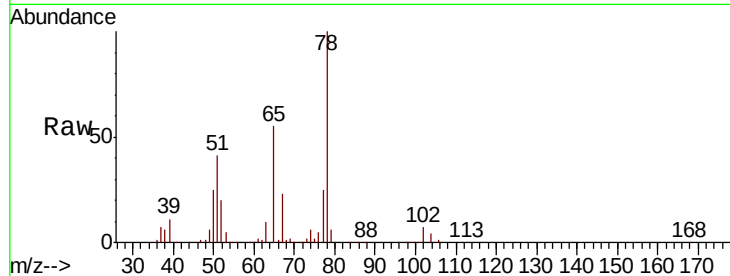




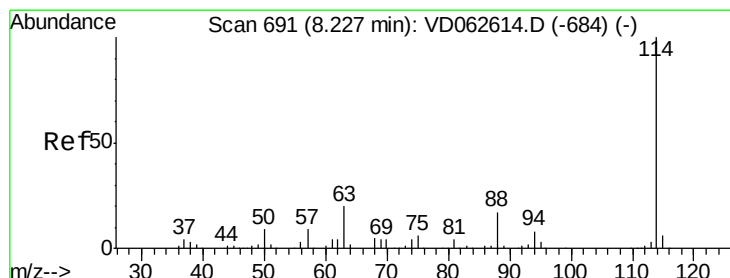
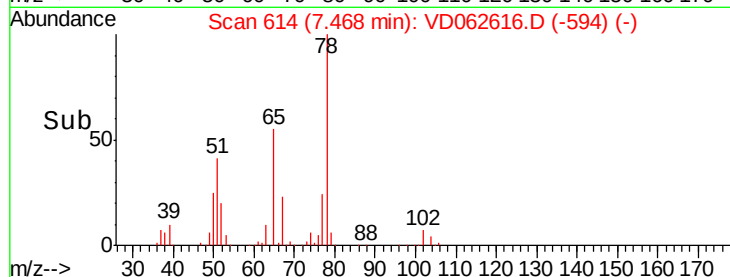
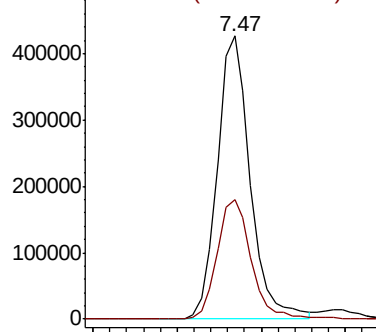
#33
 1,2-Dichloroethane-d4
 Concen: 108.486 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1165776
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 86.2

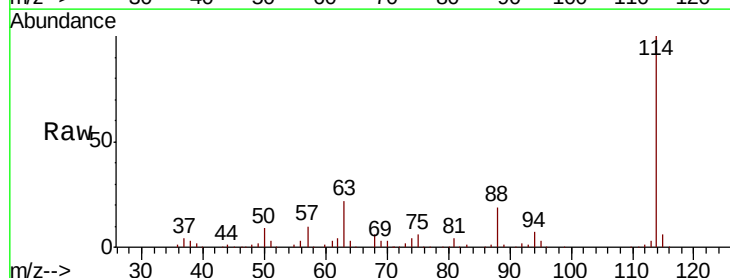


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

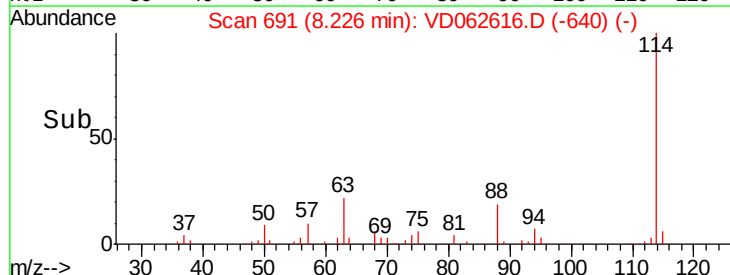
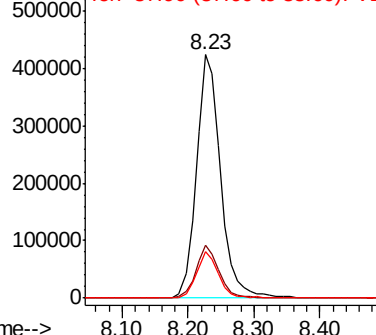


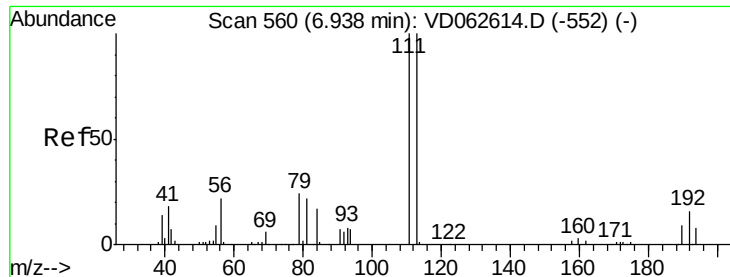
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 114 Resp: 1081754
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 41.0
 88 18.9 0.0 34.2



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

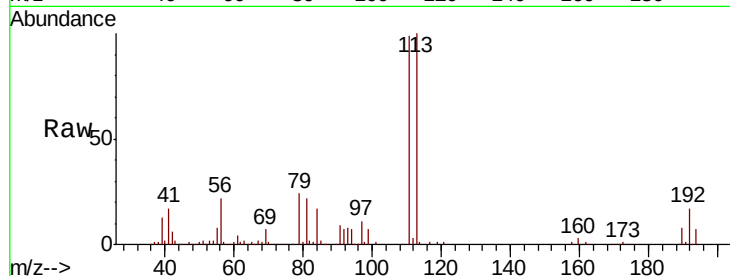




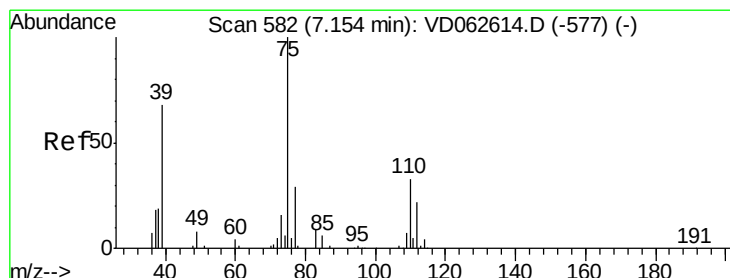
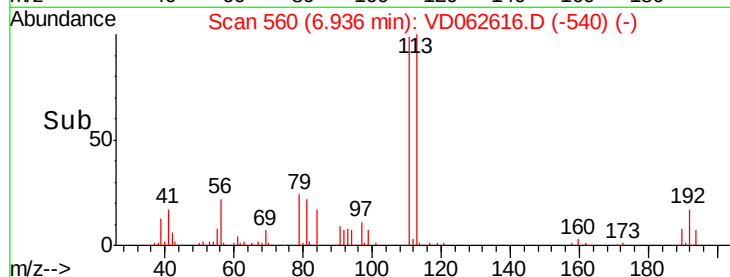
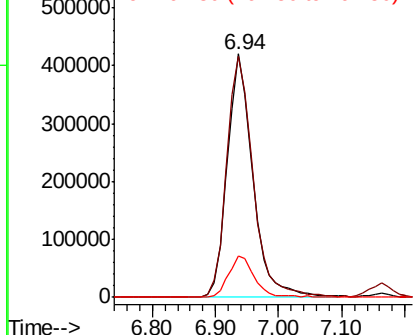
#35
 Dibromofluoromethane
 Concen: 106.983 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:113 Resp: 1176223
 Ion Ratio Lower Upper
 113 100
 111 98.8 80.1 120.1
 192 17.2 13.0 19.6

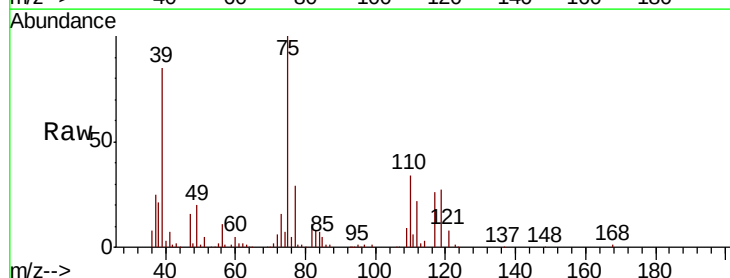


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

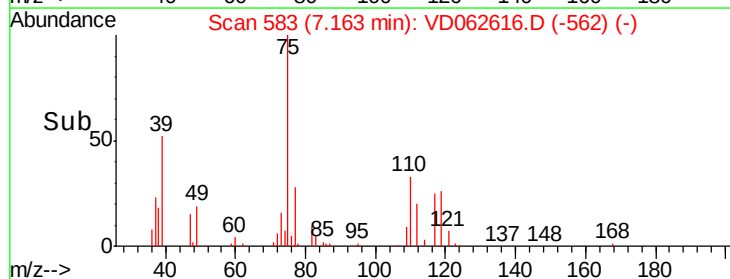
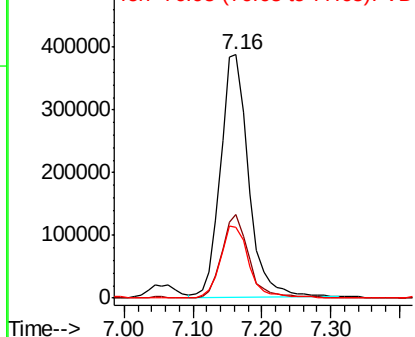


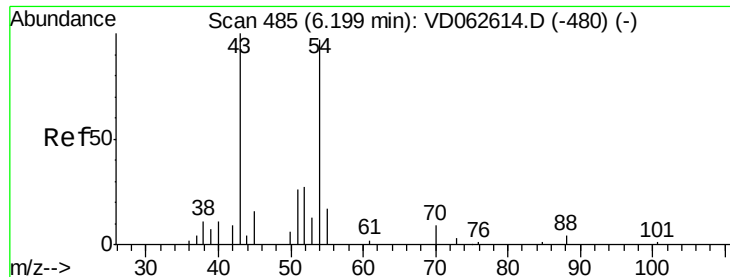
#36
 1,1-Dichloropropene
 Concen: 94.091 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 75 Resp: 1094340
 Ion Ratio Lower Upper
 75 100
 110 34.5 16.5 49.5
 77 29.2 23.3 34.9



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

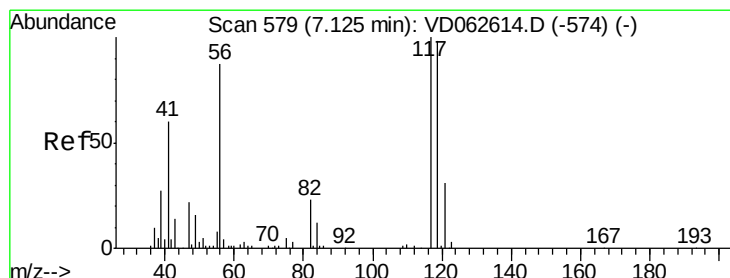
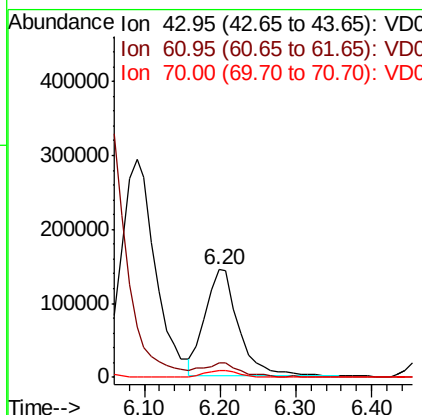
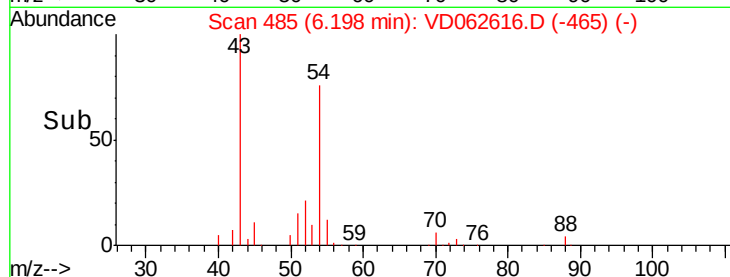
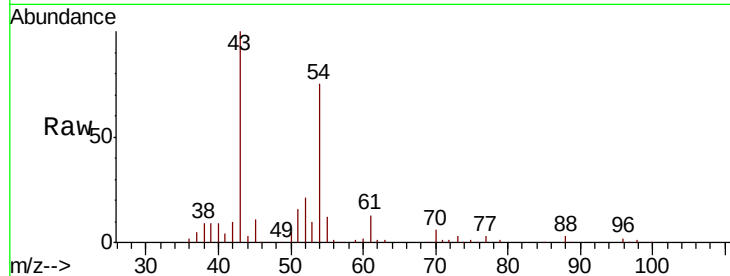




#37
Ethyl Acetate
Concen: 95.222 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

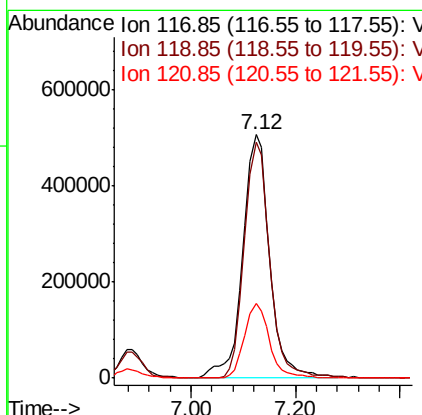
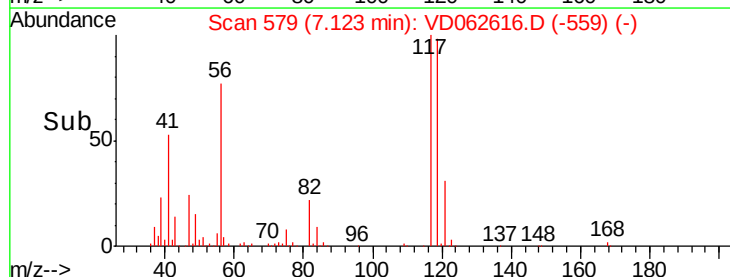
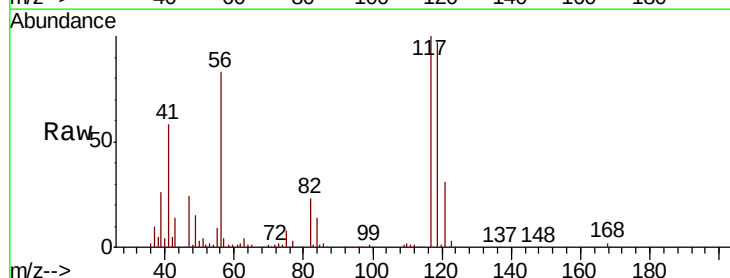
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

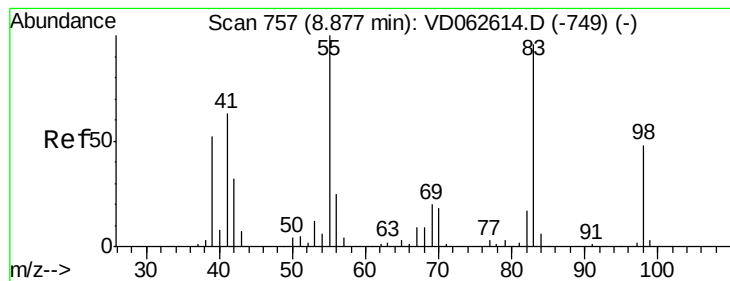
Tot Ion: 43 Resp: 446919
Ion Ratio Lower Upper
43 100
61 13.3 8.8 13.2#
70 6.3 5.6 8.4



#38
Carbon Tetrachloride
Concen: 98.781 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 117 Resp: 1741475
Ion Ratio Lower Upper
117 100
119 97.2 74.1 111.1
121 30.8 23.5 35.3





#39

Methylvlcyclohexane

Concen: 96.874 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

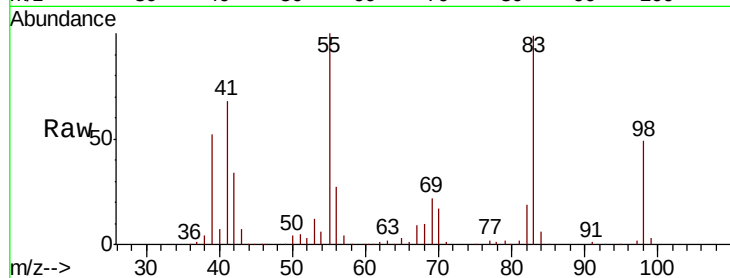
Tot Ion: 83 Resp: 963304

Ion Ratio Lower Upper

83 100

55 100.9 83.2 124.8

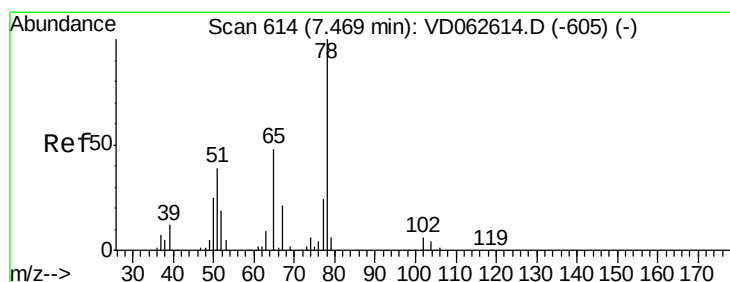
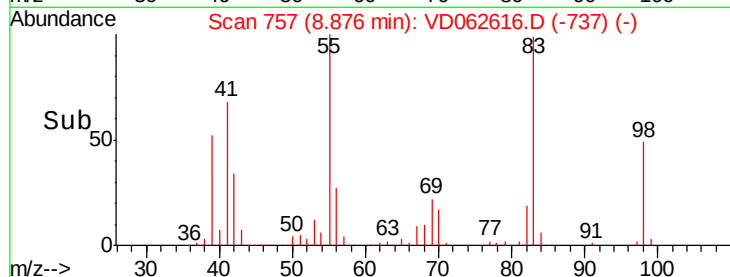
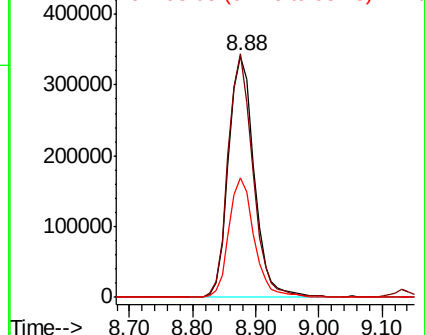
98 49.5 39.8 59.8



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 95.827 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.00 min

Lab File: VD062616.D

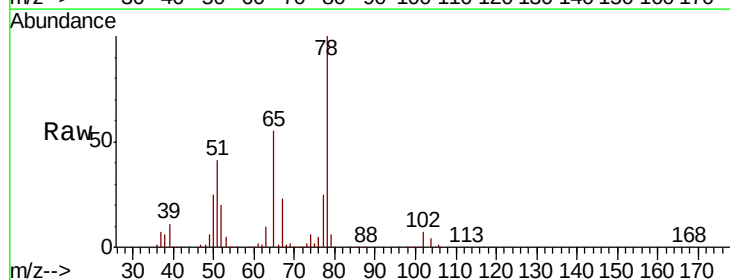
Acq: 5 Jun 2019 16:35

Tgt Ion: 78 Resp: 2201253

Ion Ratio Lower Upper

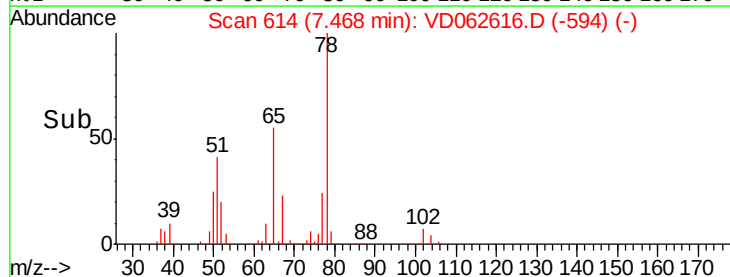
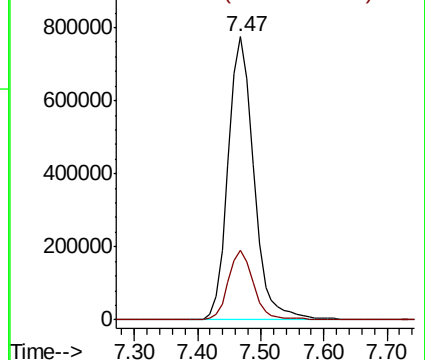
78 100

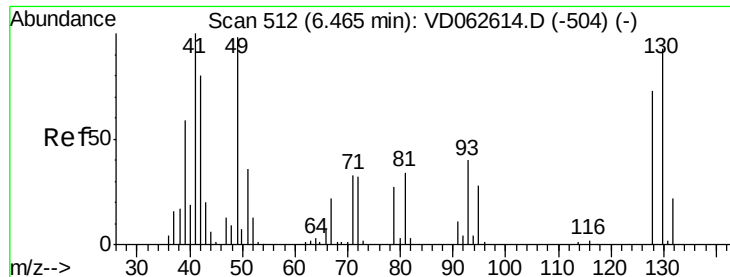
77 24.6 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

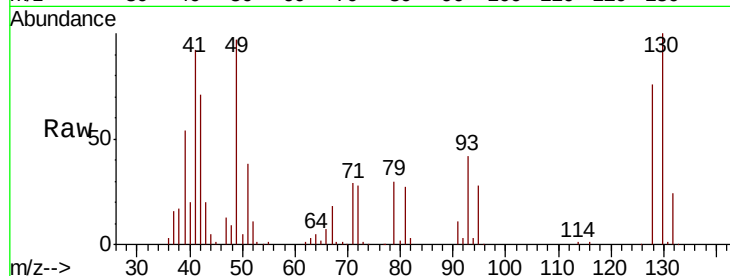




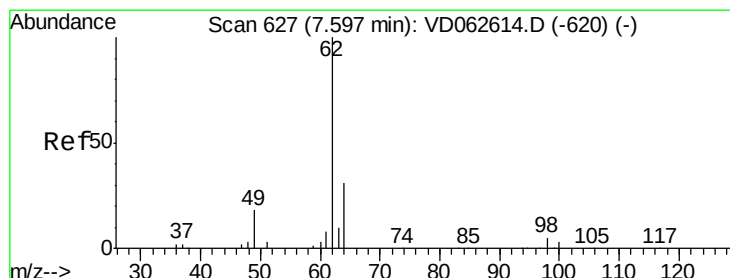
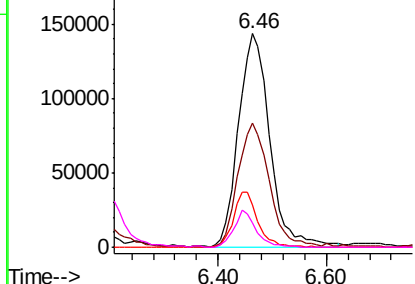
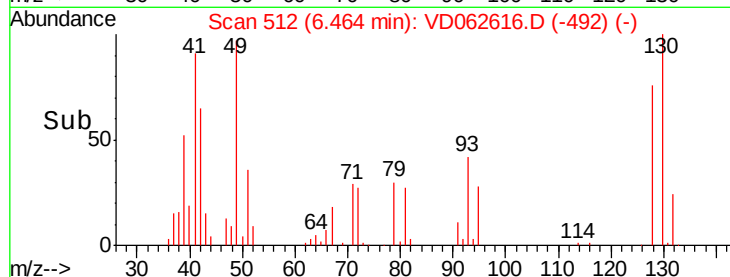
#41
Methacrylonitrile
Concen: 95.026 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 577567
Ion Ratio Lower Upper
41 100
39 58.1 47.5 71.3
67 19.7 17.8 26.6
52 11.5 10.2 15.4

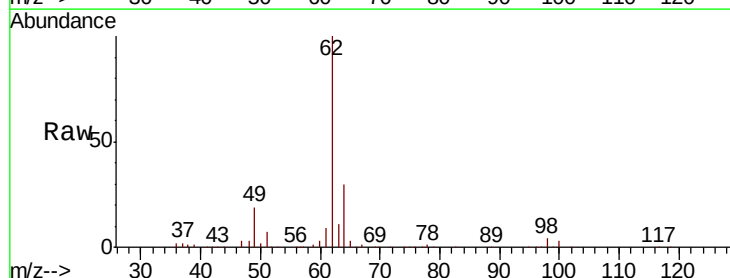


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

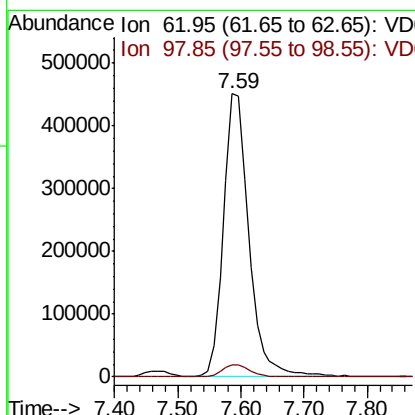
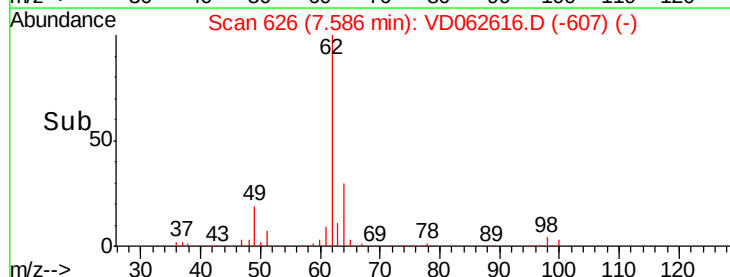


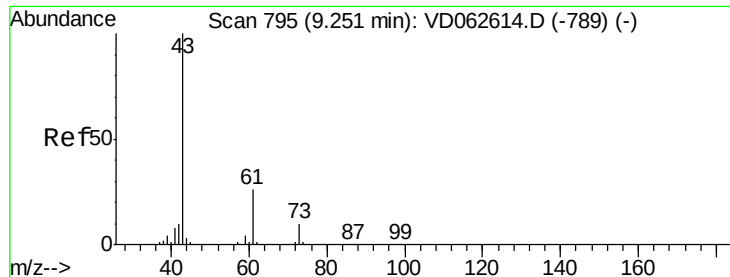
#42
1,2-Dichloroethane
Concen: 93.011 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 62 Resp: 1257597
Ion Ratio Lower Upper
62 100
98 4.3 0.0 10.2



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





#43

Isopropyl Acetate

Concen: 97.549 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

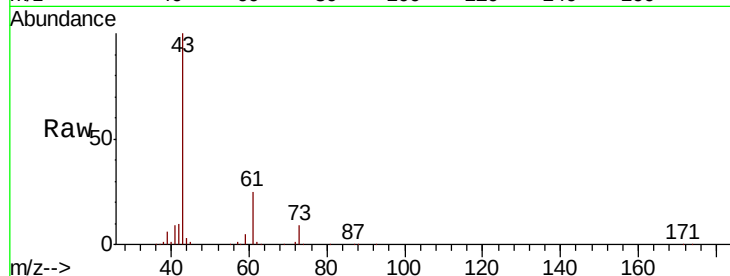
Tot Ion: 43 Resp: 629278

Ion Ratio Lower Upper

43 100

61 25.2 21.0 31.6

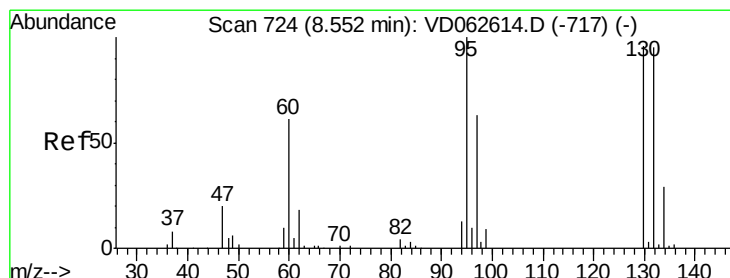
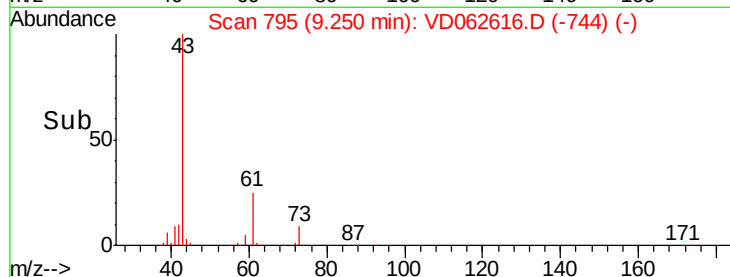
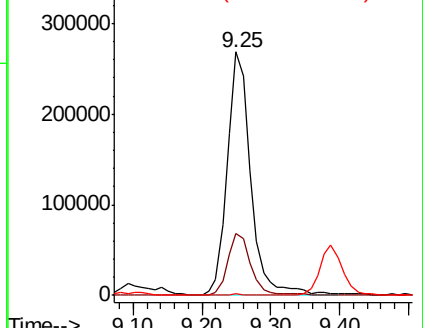
87 0.5 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 96.552 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD062616.D

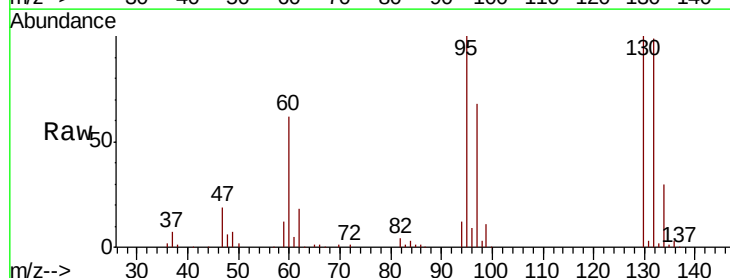
Acq: 5 Jun 2019 16:35

Tgt Ion:130 Resp: 899413

Ion Ratio Lower Upper

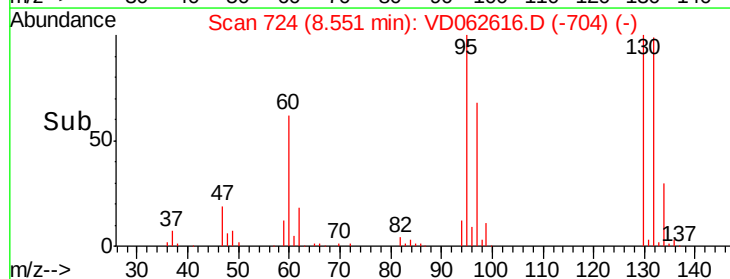
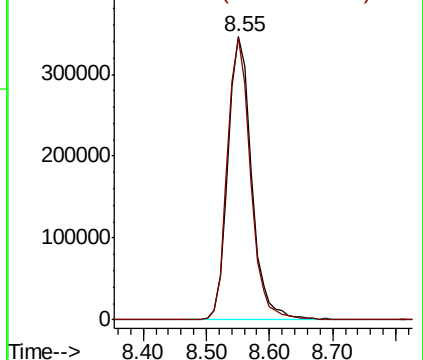
130 100

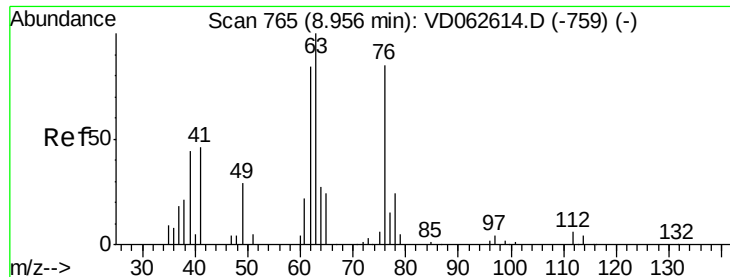
95 99.7 0.0 208.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

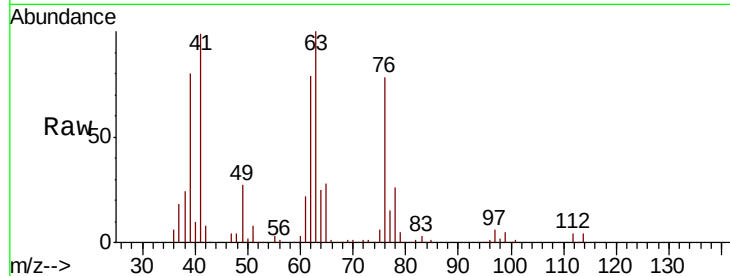




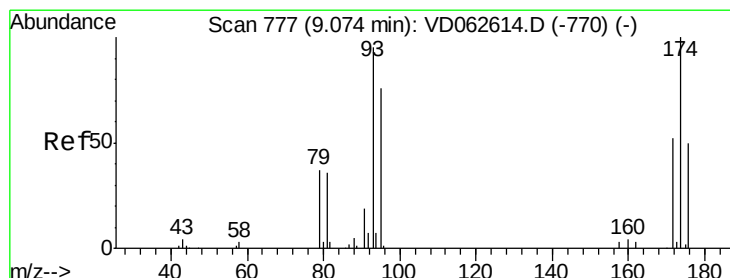
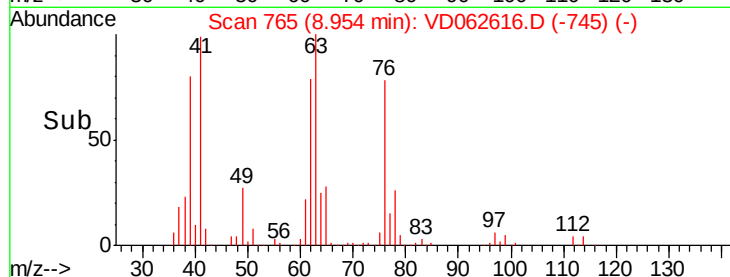
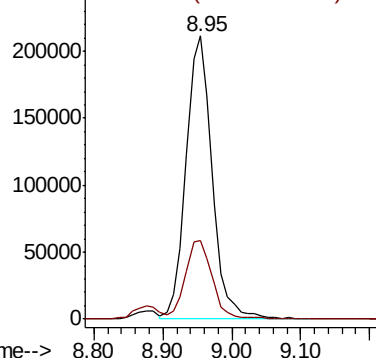
#45
 1,2-Dichloropropane
 Concen: 95.724 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 550611
 Ion Ratio Lower Upper
 63 100
 65 27.8 21.7 32.5

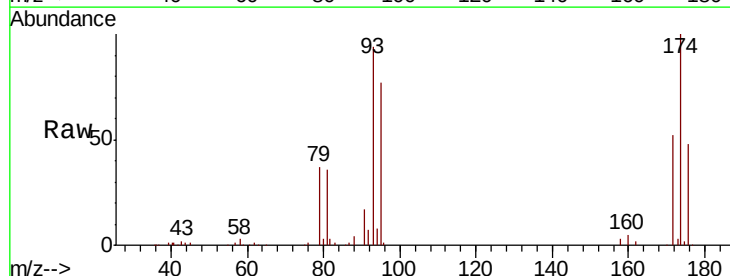


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

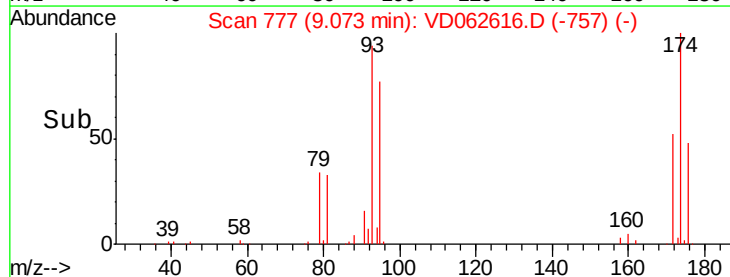
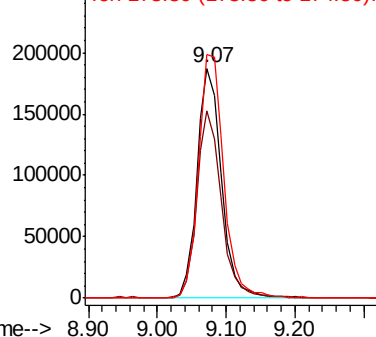


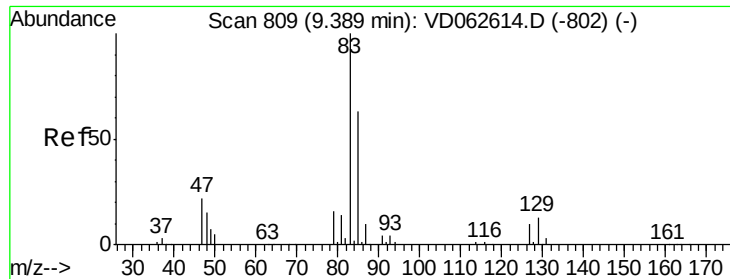
#46
 Dibromomethane
 Concen: 91.685 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 93 Resp: 458812
 Ion Ratio Lower Upper
 93 100
 95 81.4 64.2 96.2
 174 105.9 84.1 126.1



Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 96.720 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

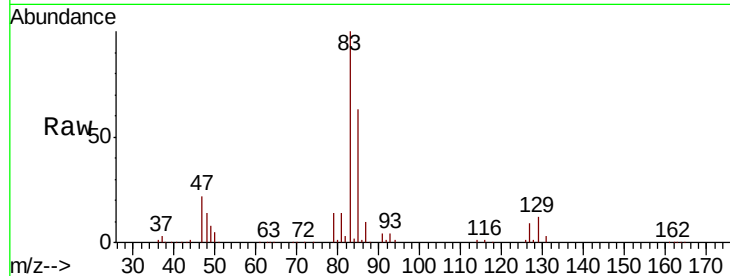
Tot Ion: 83 Resp: 1303664

Ion Ratio Lower Upper

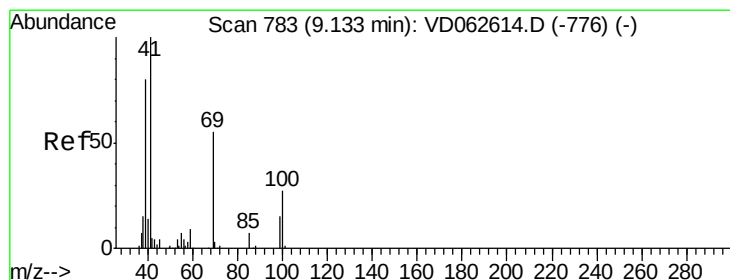
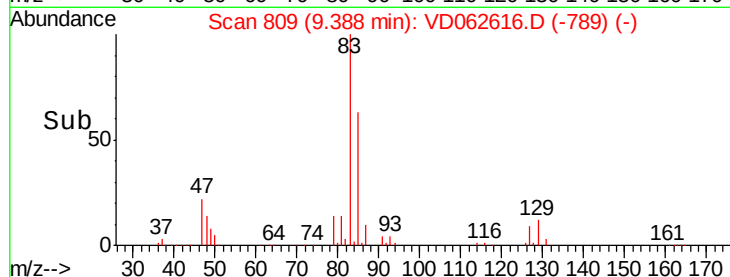
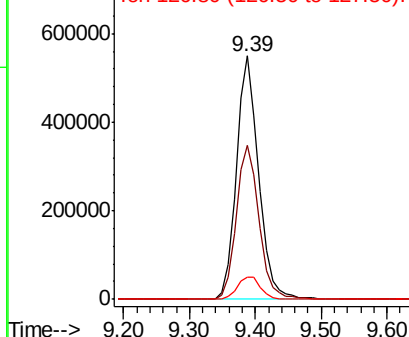
83 100

85 63.2 50.2 75.4

127 9.4 7.9 11.9



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



#48

Methyl methacrylate

Concen: 94.265 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

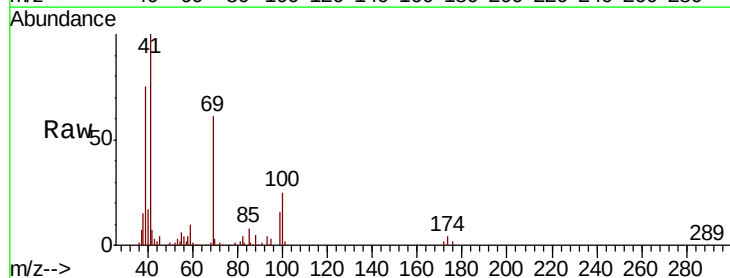
Tgt Ion: 41 Resp: 413552

Ion Ratio Lower Upper

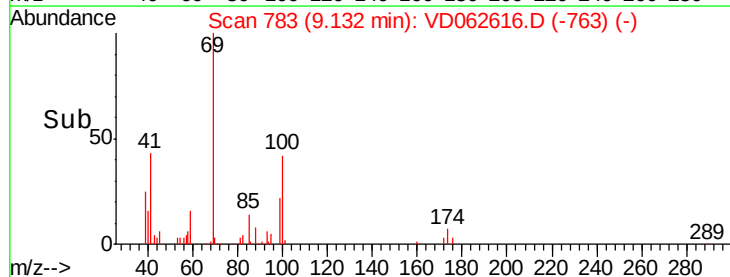
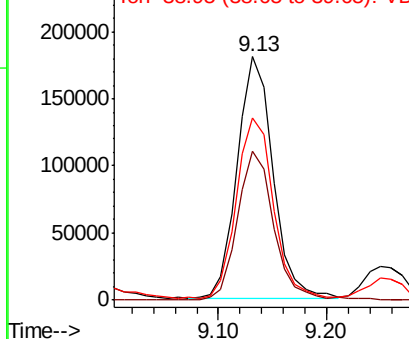
41 100

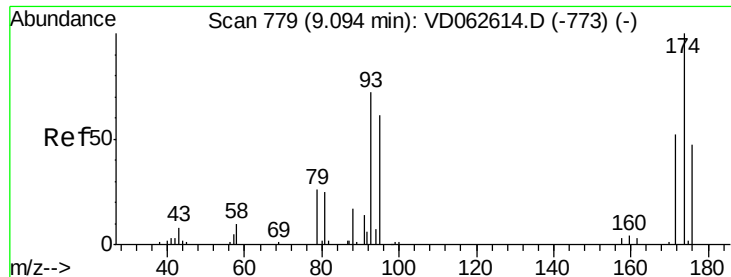
69 61.1 43.8 65.8

39 74.7 64.0 96.0



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

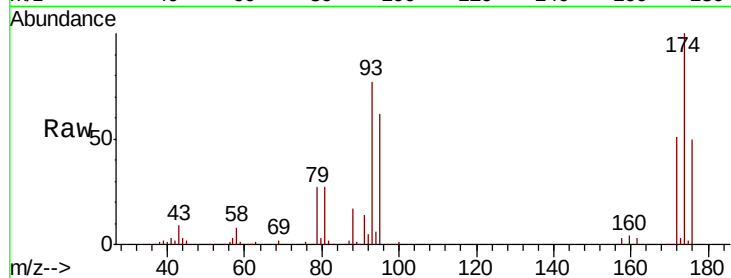




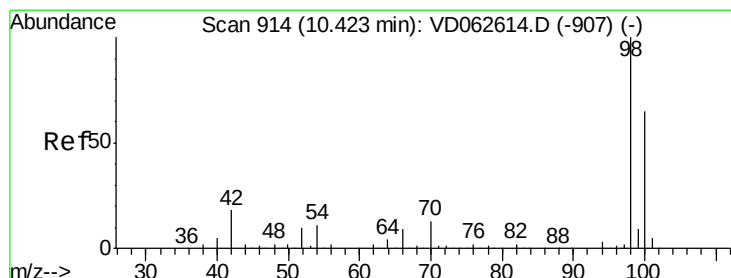
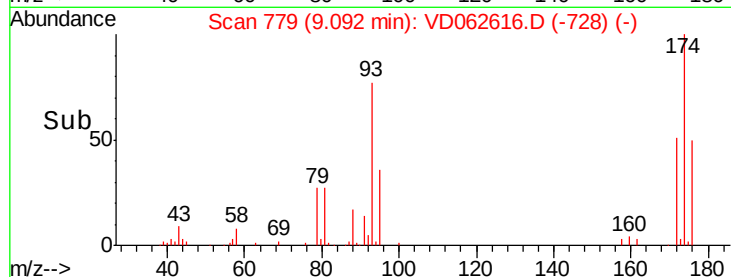
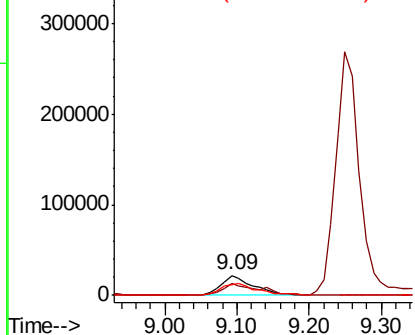
#49
1,4-Dioxane
Concen: 2000.657 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 69658
Ion Ratio Lower Upper
88 100
43 57.0 39.3 58.9
58 50.7 45.3 67.9

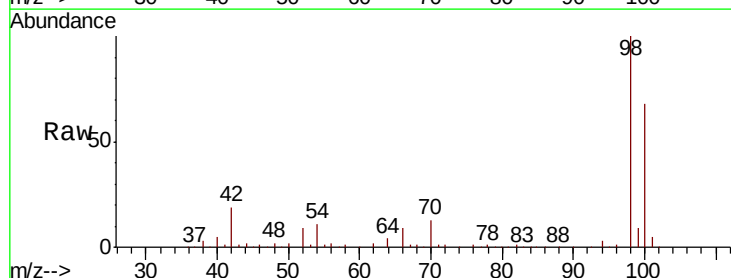


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

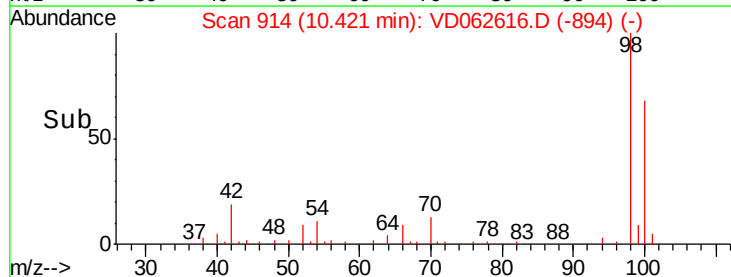
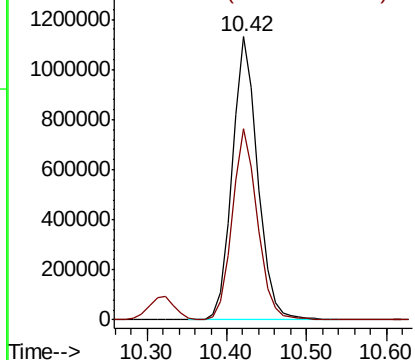


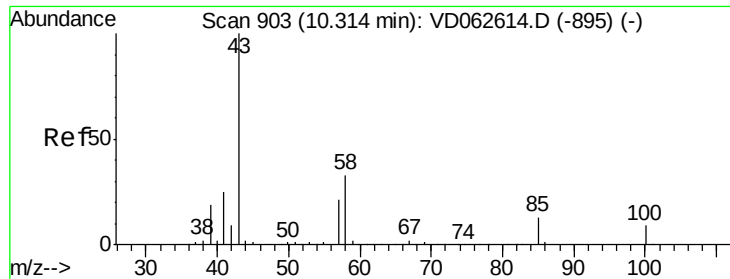
#50
Toluene-d8
Concen: 106.269 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 98 Resp: 2516959
Ion Ratio Lower Upper
98 100
100 67.8 52.8 79.2



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: 483.773 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

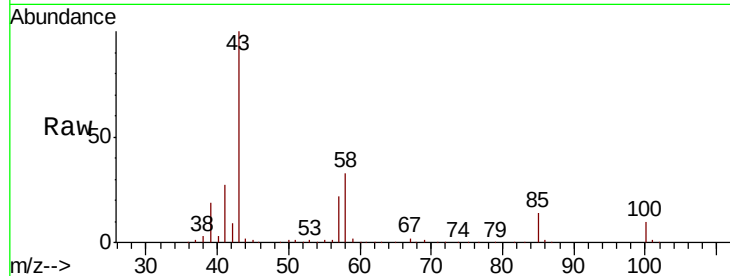
VSTDIC100

Tot Ion: 43 Resp: 2032052

Ion Ratio Lower Upper

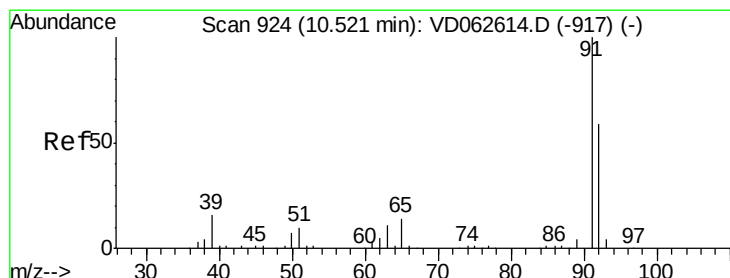
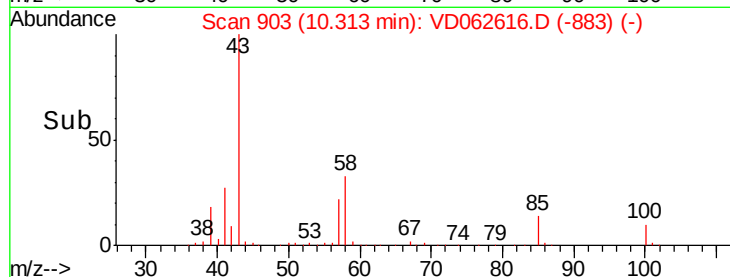
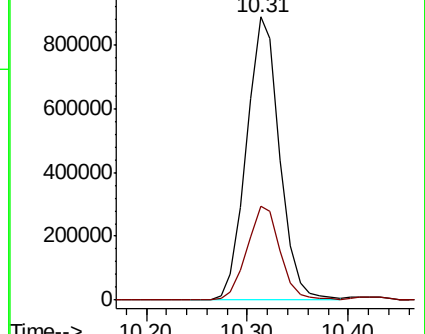
43 100

58 33.4 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: 97.505 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062616.D

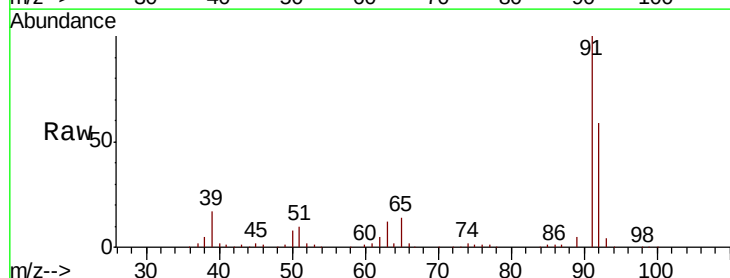
Acq: 5 Jun 2019 16:35

Tgt Ion: 92 Resp: 1485601

Ion Ratio Lower Upper

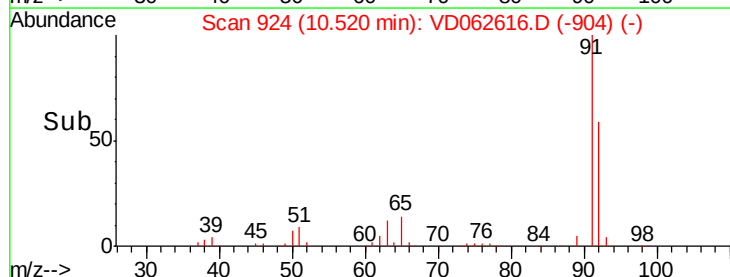
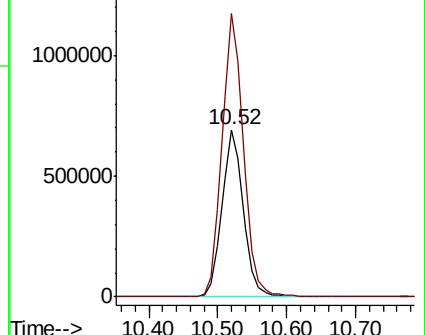
92 100

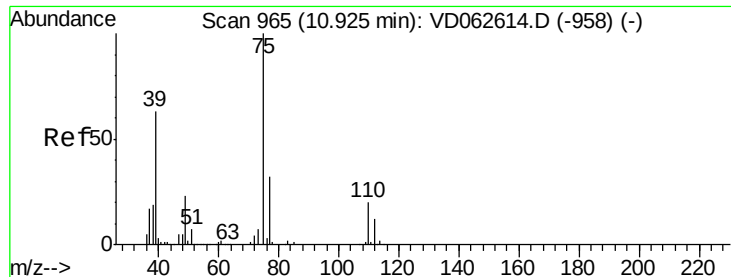
91 169.1 134.7 202.1



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: 98.203 ug/l

RT: 10.92 min Scan# 965

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

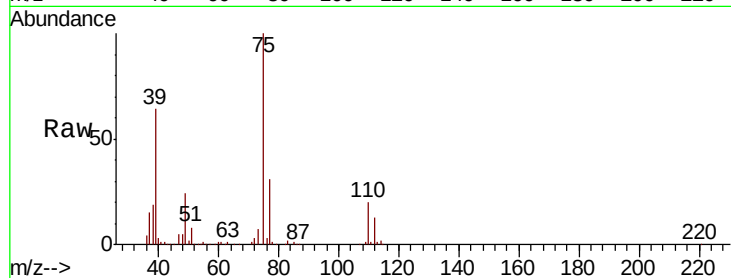
VSTDIC100

Tot Ion: 75 Resp: 1099045

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

600000

500000

400000

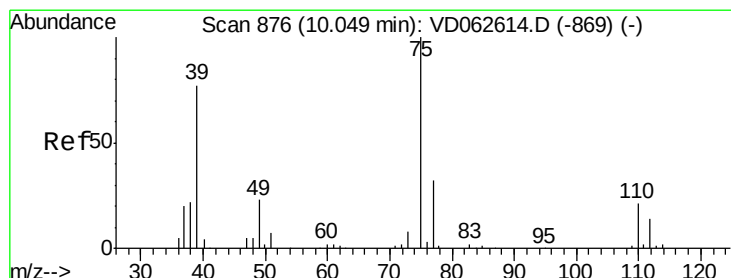
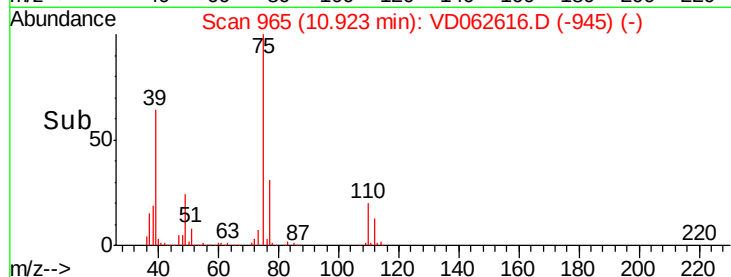
300000

200000

100000

0

Time--> 10.80 10.90 11.00 11.10



#54

cis-1,3-Dichloropropene

Concen: 98.752 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

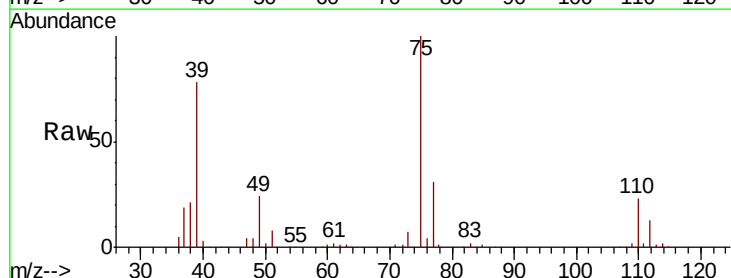
Tgt Ion: 75 Resp: 1125453

Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4

39 78.0 61.2 91.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

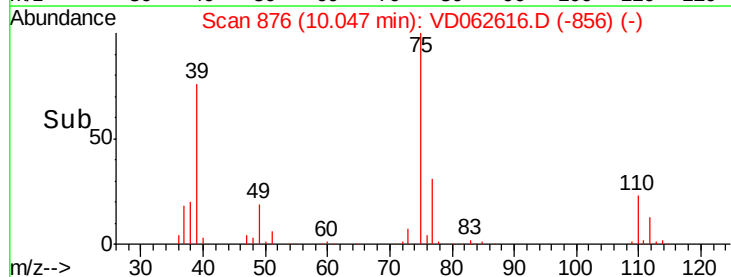
600000

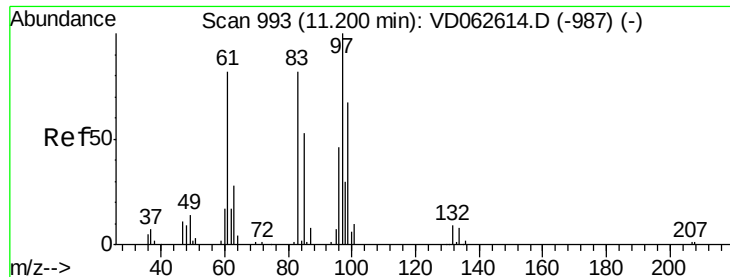
400000

200000

0

Time--> 9.90 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 94.631 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 494656

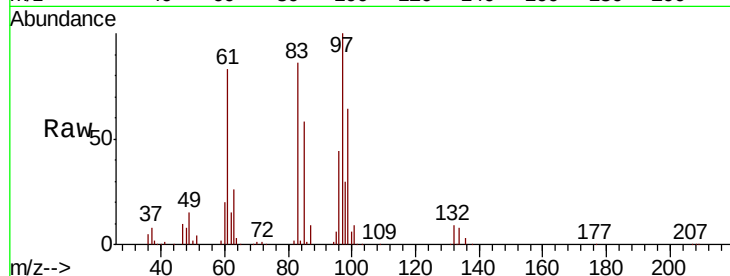
Ion Ratio Lower Upper

97 100

83 86.4 65.9 98.9

85 58.4 42.6 63.8

99 64.0 53.4 80.2

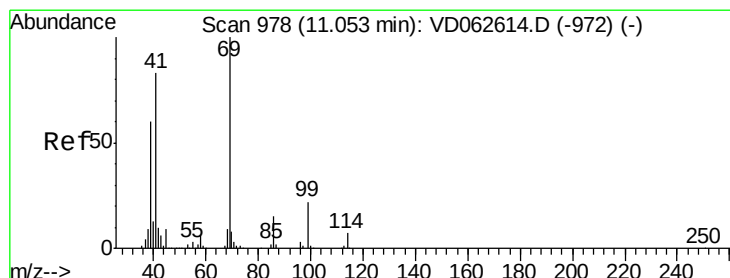
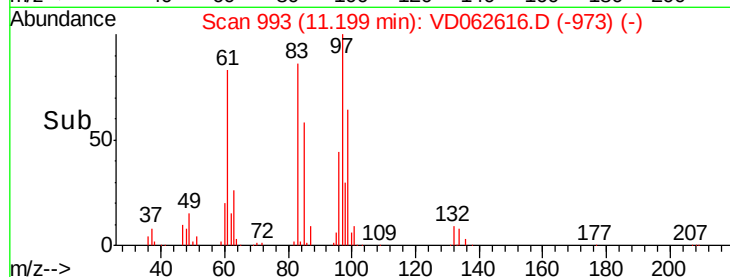
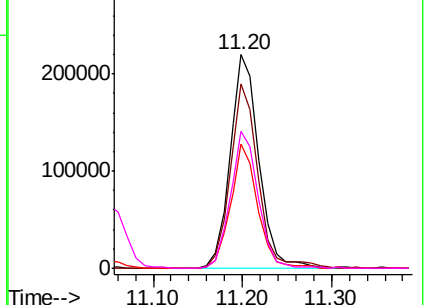


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 97.273 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

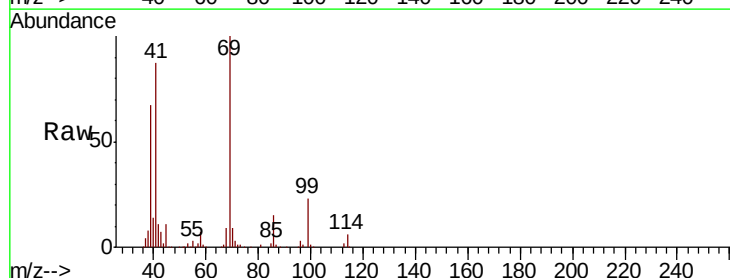
Tgt Ion: 69 Resp: 566681

Ion Ratio Lower Upper

69 100

41 87.2 66.3 99.5

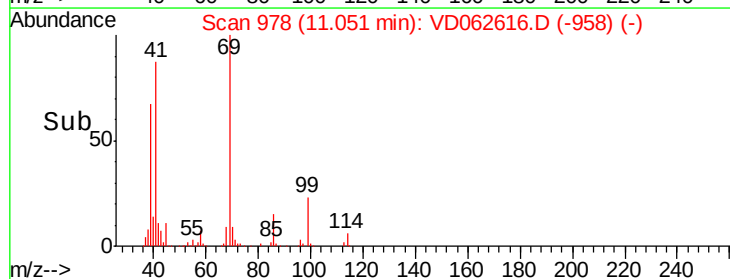
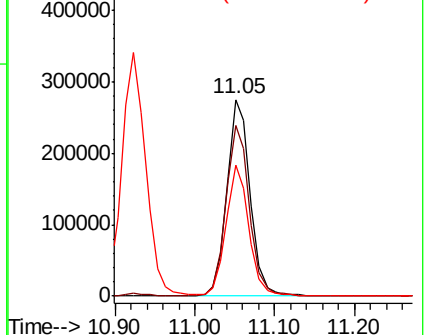
39 66.9 48.3 72.5

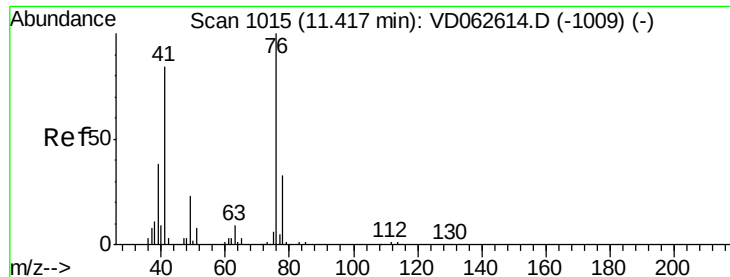


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 93.282 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

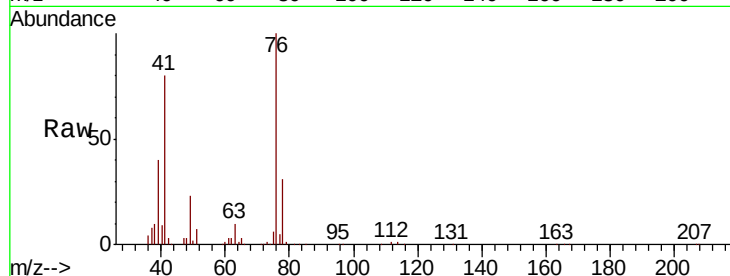
VSTDIC100

Tot Ion: 76 Resp: 761287

Ion Ratio Lower Upper

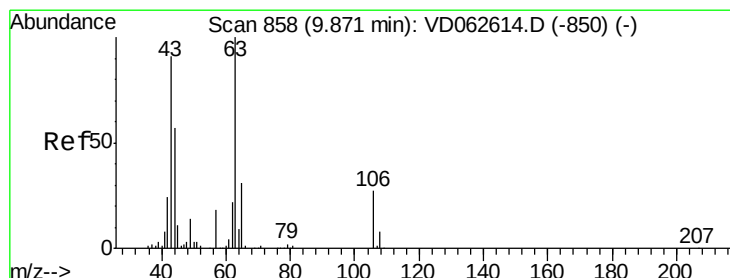
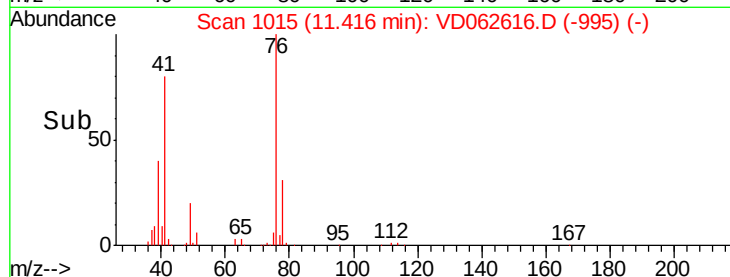
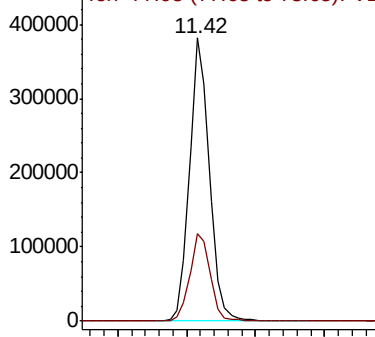
76 100

78 31.0 26.4 39.6



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: 483.786 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.00 min

Lab File: VD062616.D

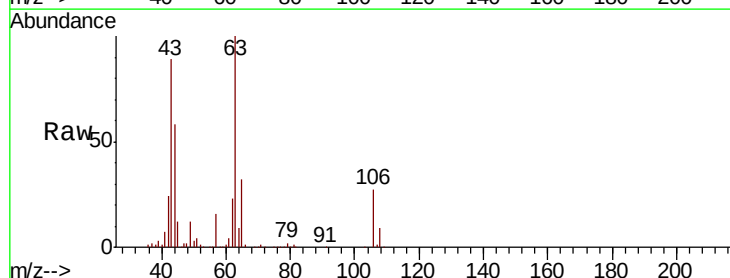
Acq: 5 Jun 2019 16:35

Tgt Ion: 63 Resp: 1445529

Ion Ratio Lower Upper

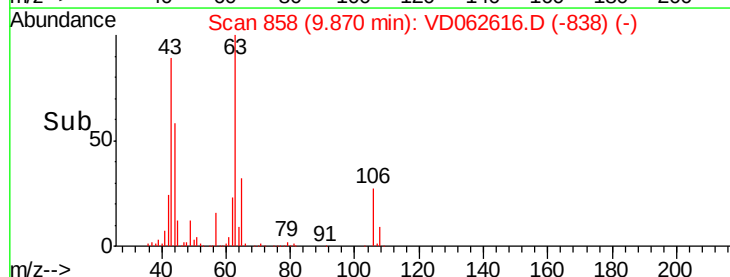
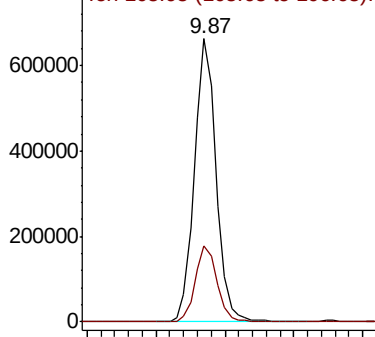
63 100

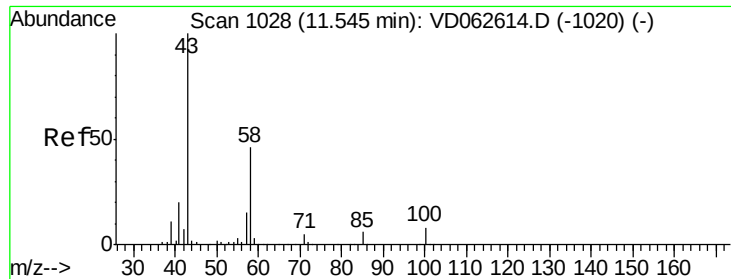
106 27.0 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

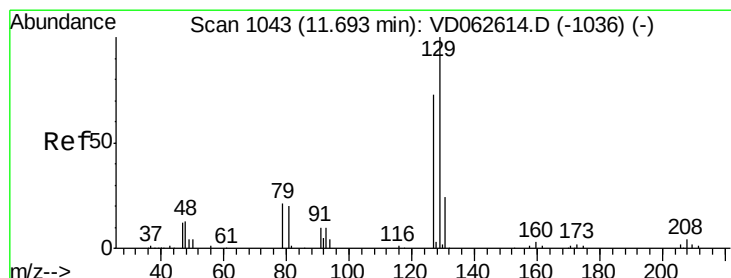
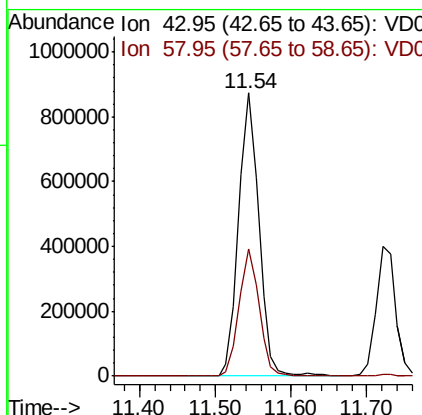
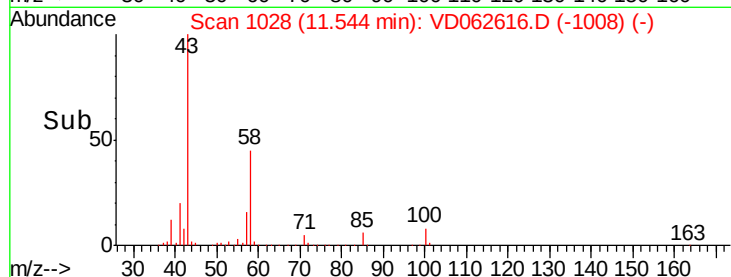
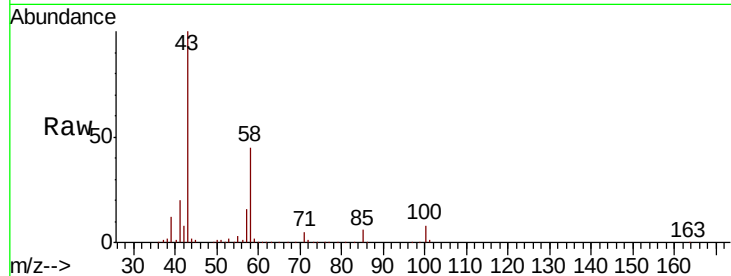




#59
2-Hexanone
Concen: 508.149 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

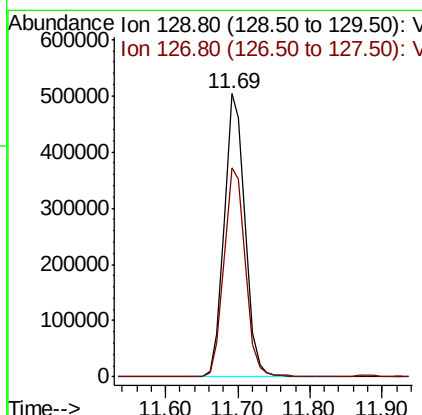
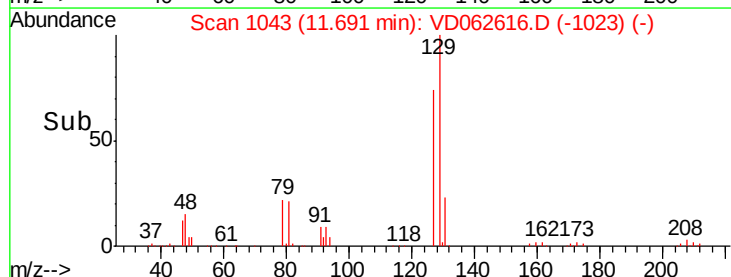
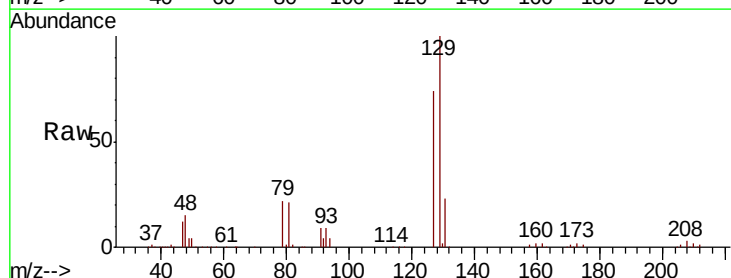
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

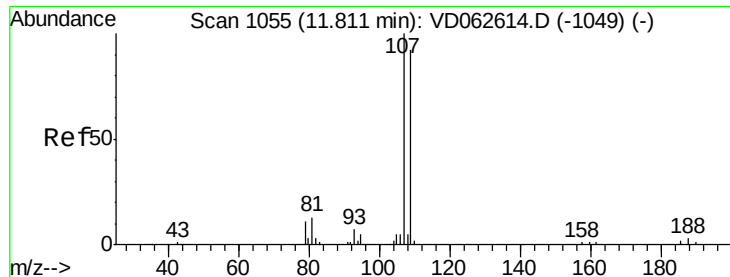
Tot Ion: 43 Resp: 1618432
Ion Ratio Lower Upper
43 100
58 45.0 22.8 68.3



#60
Dibromochloromethane
Concen: 98.194 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 129 Resp: 1002949
Ion Ratio Lower Upper
129 100
127 74.1 36.6 109.9

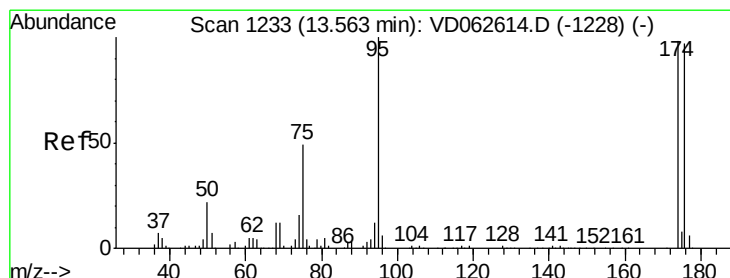
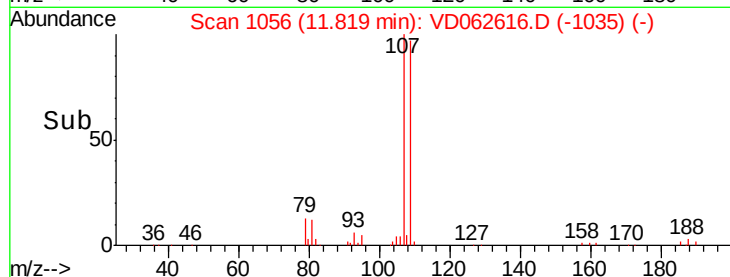
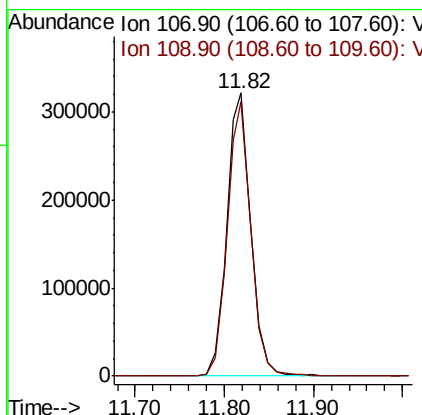
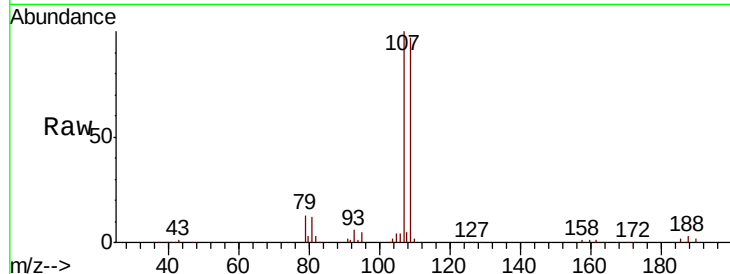




#61
 1,2-Dibromoethane
 Concen: 94.946 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

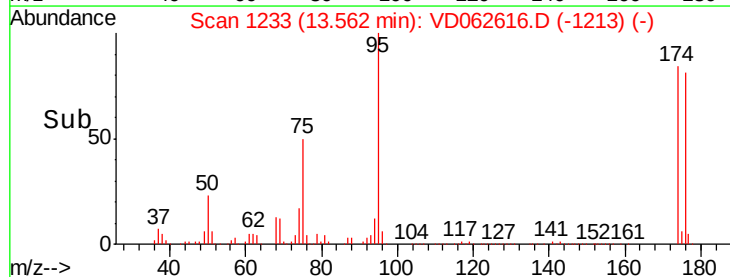
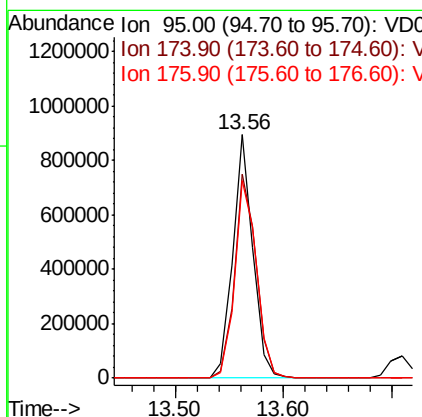
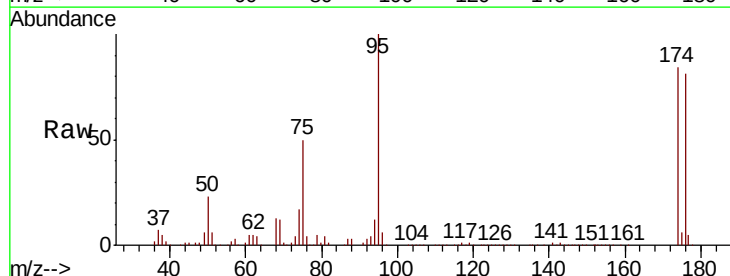
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

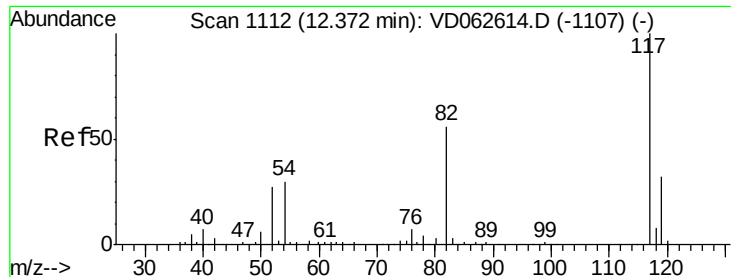
Tot Ion:107 Resp: 607860
 Ion Ratio Lower Upper
 107 100
 109 96.8 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 103.638 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 95 Resp: 1157212
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 195.8
 176 81.4 0.0 193.2

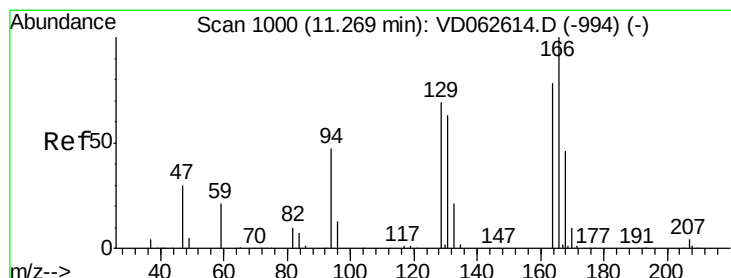
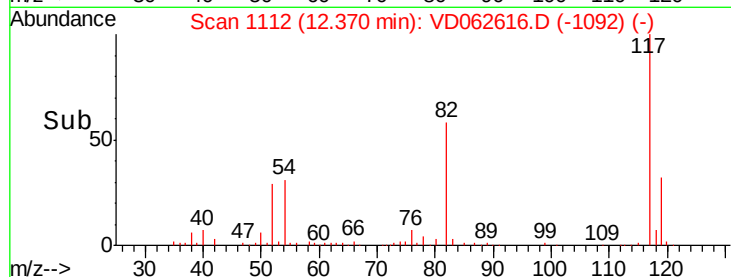
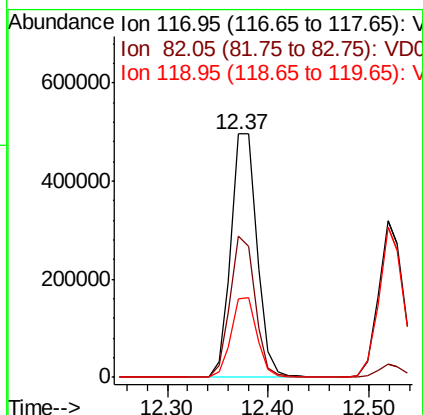
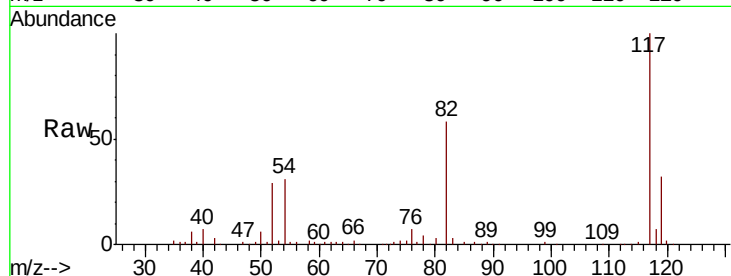




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

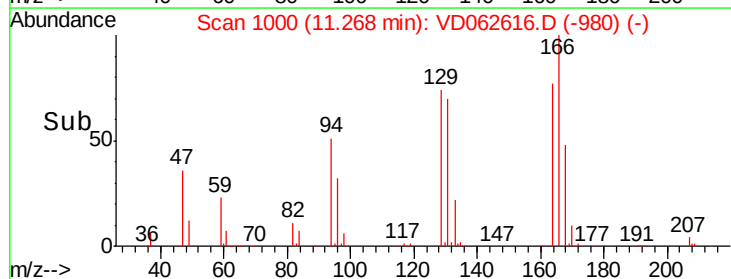
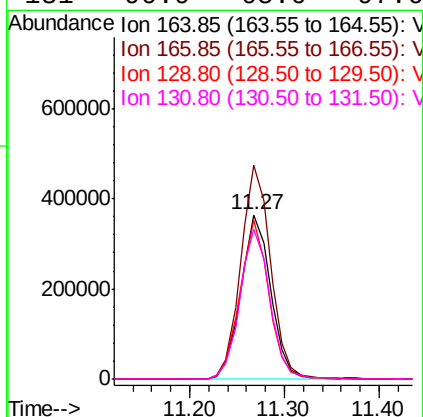
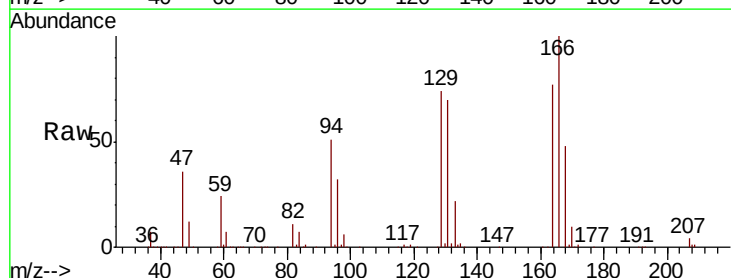
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

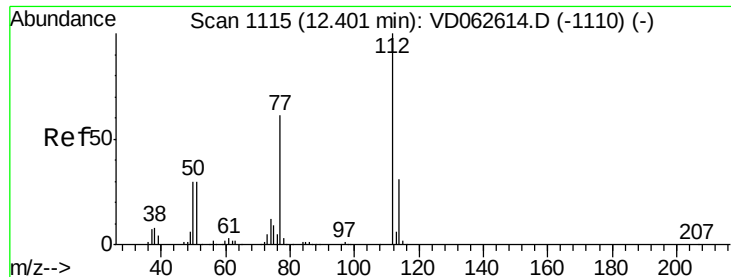
Tot Ion:117 Resp: 895697
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.6
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 98.604 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion:164 Resp: 797625
Ion Ratio Lower Upper
164 100
166 130.1 102.6 153.8
129 96.5 70.3 105.5
131 90.9 65.0 97.6





#65

Chlorobenzene

Concen: 99.008 ug/l

RT: 12.41 min Scan# 1116

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

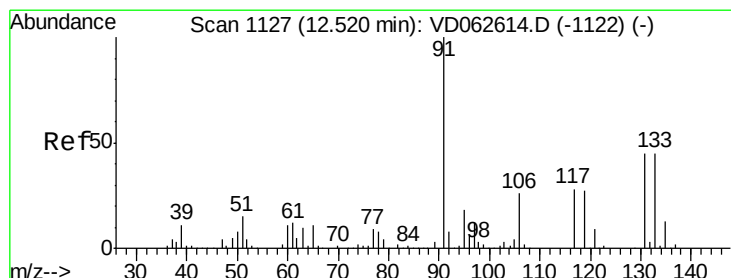
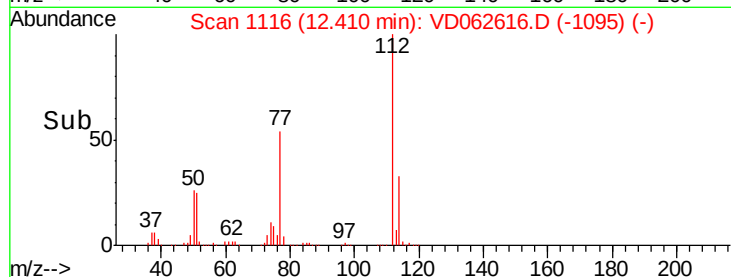
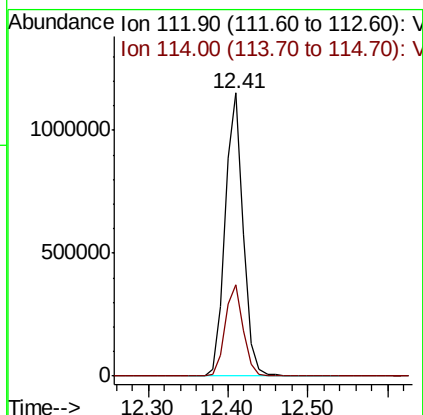
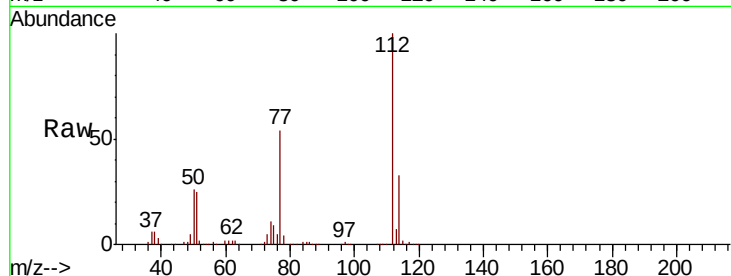
VSTDIC100

Tot Ion:112 Resp: 1842736

Ion Ratio Lower Upper

112 100

114 32.5 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 97.475 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

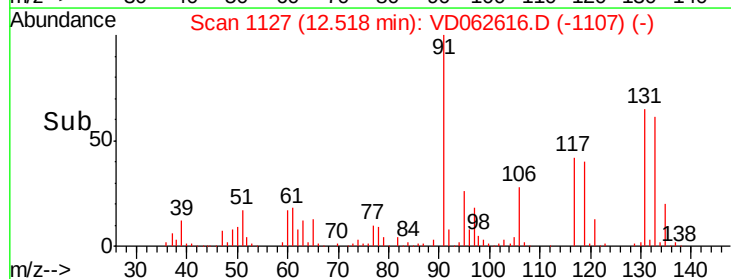
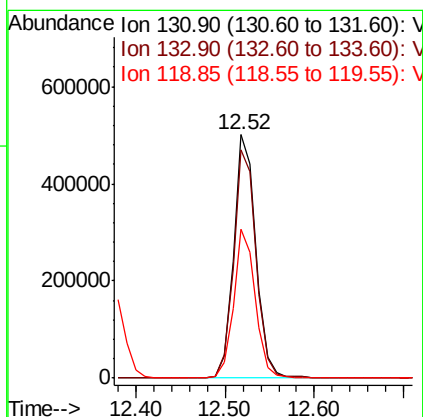
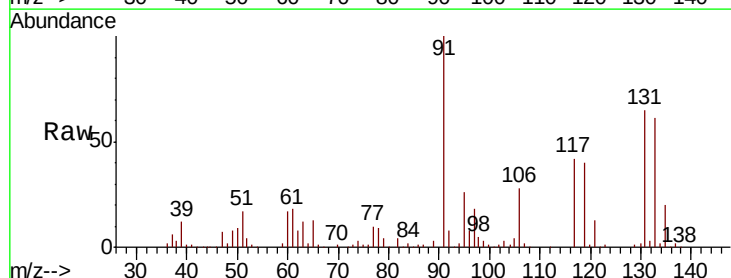
Tgt Ion:131 Resp: 872086

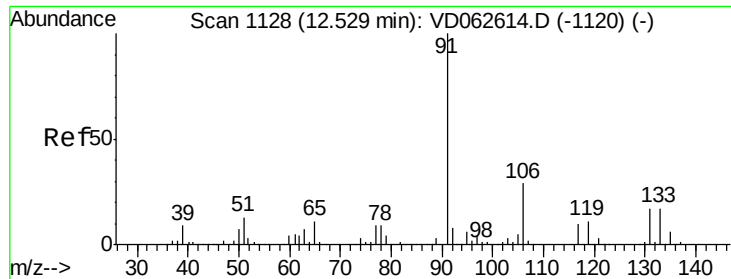
Ion Ratio Lower Upper

131 100

133 94.0 50.1 150.4

119 61.2 30.1 90.3

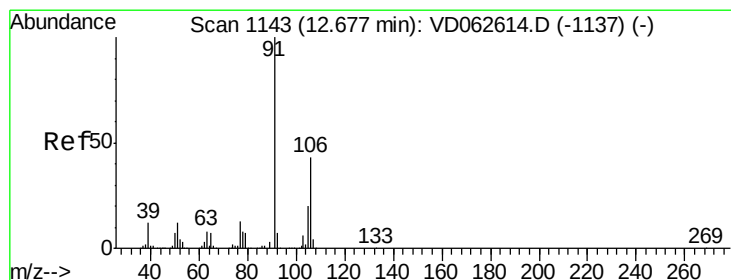
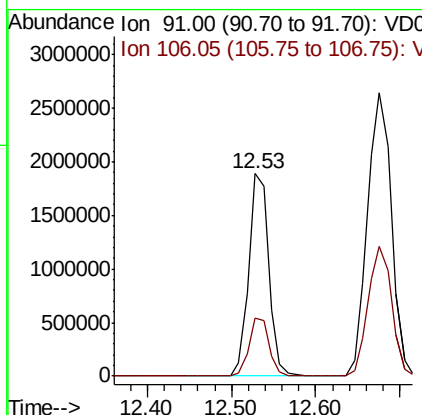
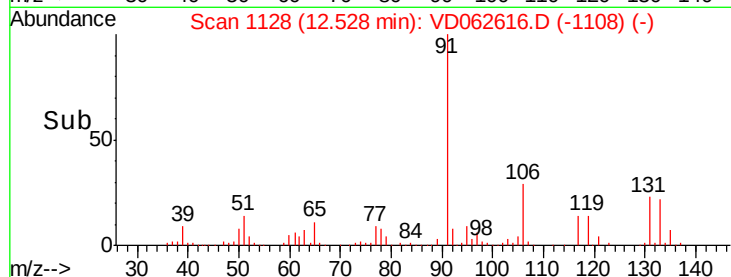
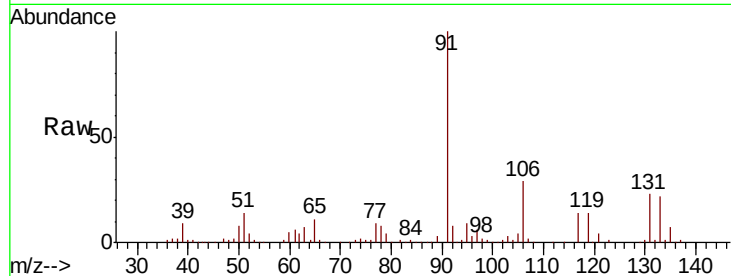




#67
Ethyl Benzene
Concen: 93.818 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

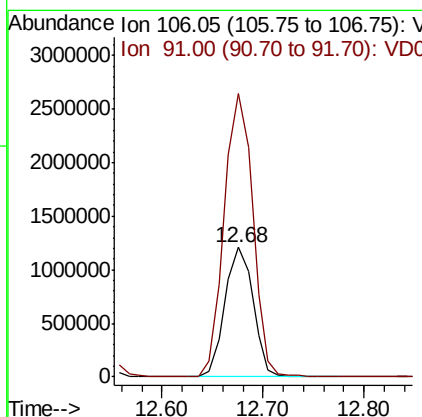
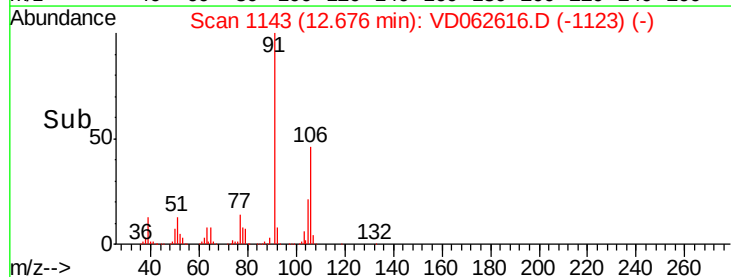
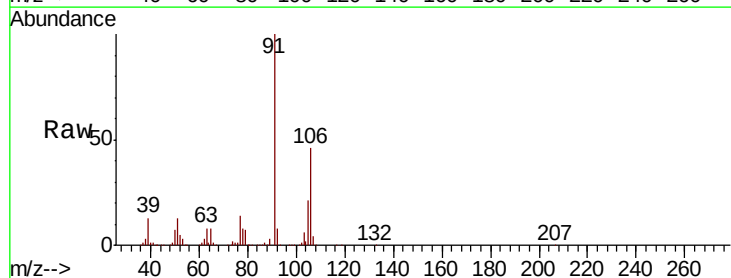
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

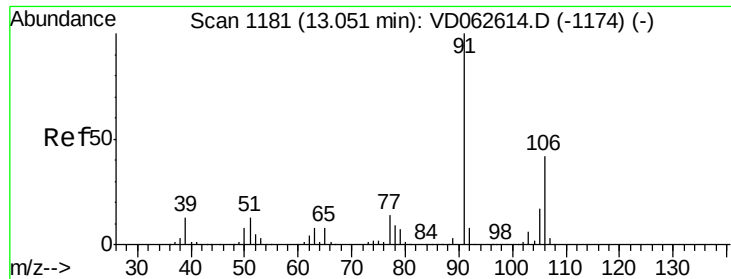
Tot Ion: 91 Resp: 3155980
Ion Ratio Lower Upper
91 100
106 28.7 23.0 34.4



#68
m/p-Xylenes
Concen: 201.527 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion: 106 Resp: 2364701
Ion Ratio Lower Upper
106 100
91 218.9 184.1 276.1

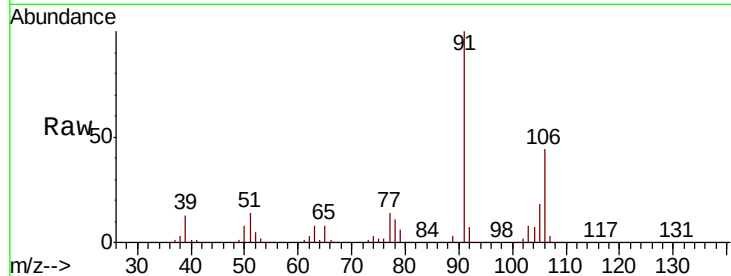




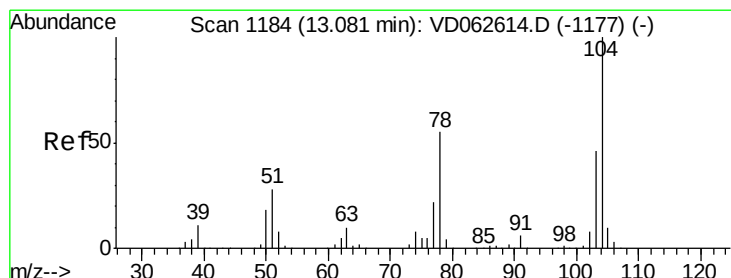
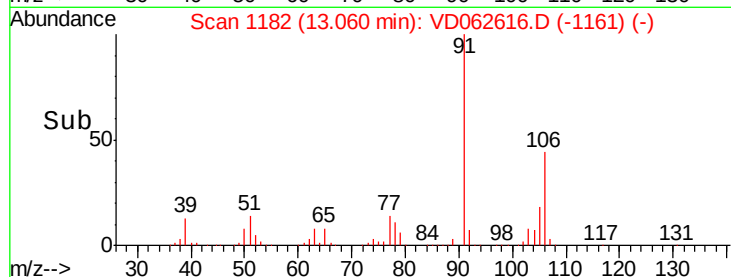
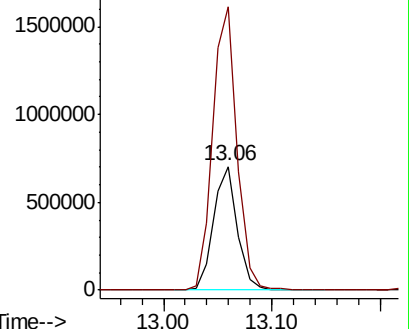
#69
o-Xylene
Concen: 94.333 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1066517
Ion Ratio Lower Upper
106 100
91 229.2 118.8 356.5

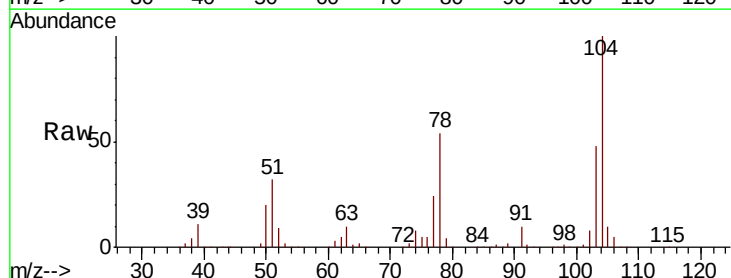


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

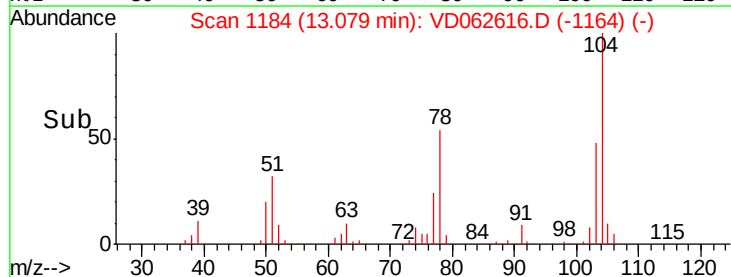
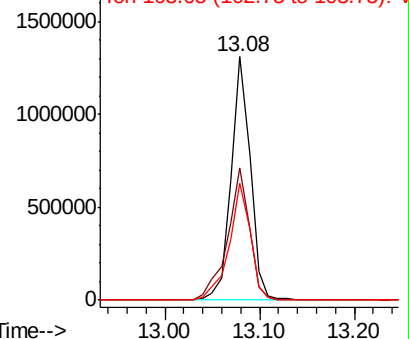


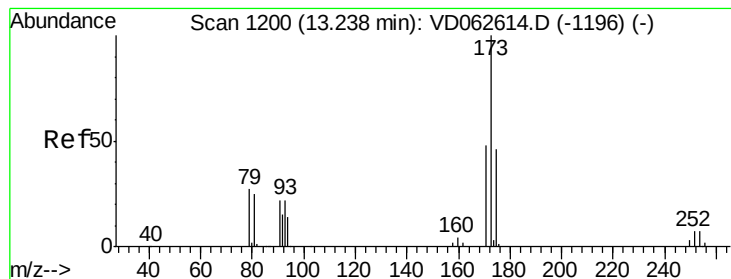
#70
Styrene
Concen: 96.578 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion:104 Resp: 1834332
Ion Ratio Lower Upper
104 100
78 54.2 43.8 65.8
103 48.0 36.6 54.8



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





#71

Bromoform

Concen: 101.844 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

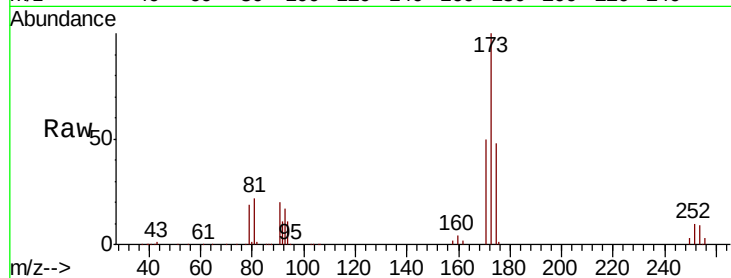
Tot Ion:173 Resp: 629326

Ion Ratio Lower Upper

173 100

175 48.3 23.2 69.5

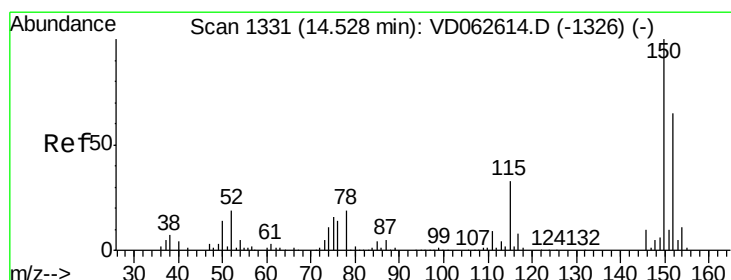
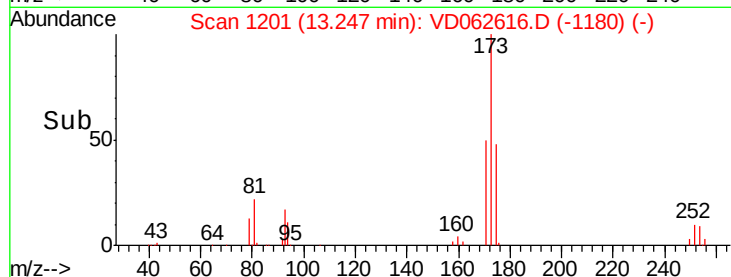
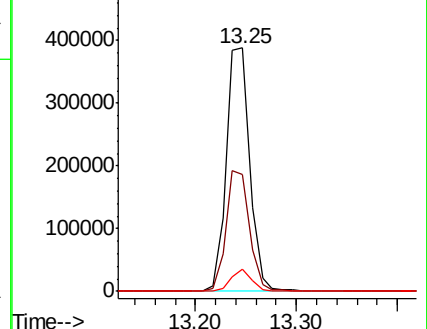
254 9.1 5.9 8.9#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

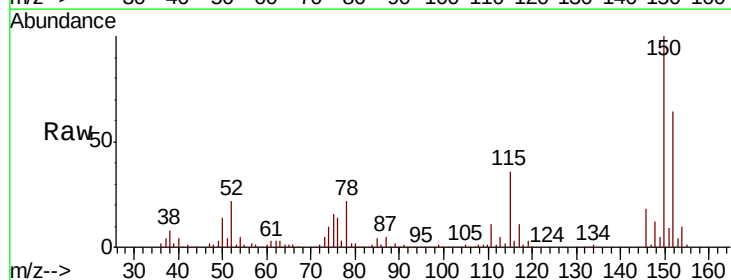
Tgt Ion:152 Resp: 509825

Ion Ratio Lower Upper

152 100

115 56.6 27.1 81.3

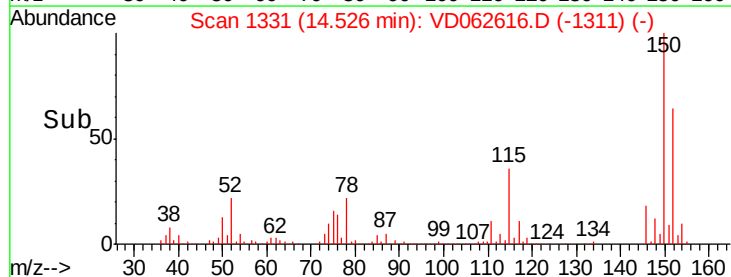
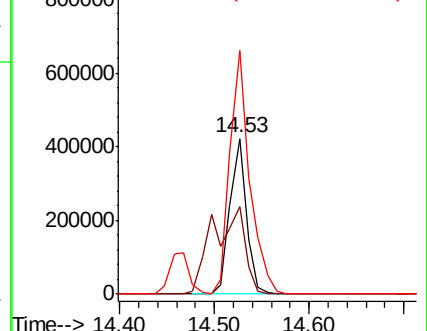
150 156.6 0.0 315.0

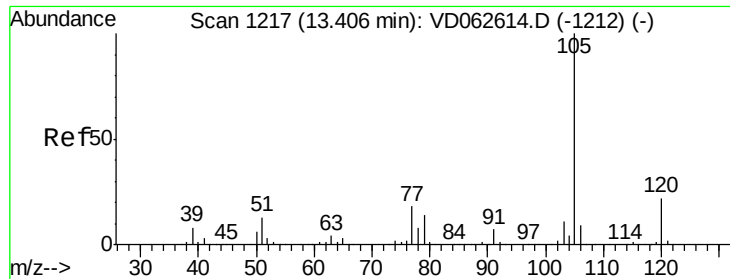


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.057 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

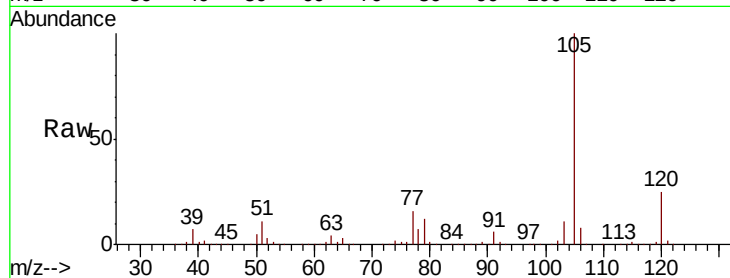
VSTDIC100

Tot Ion:105 Resp: 3405163

Ion Ratio Lower Upper

105 100

120 24.9 11.2 33.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

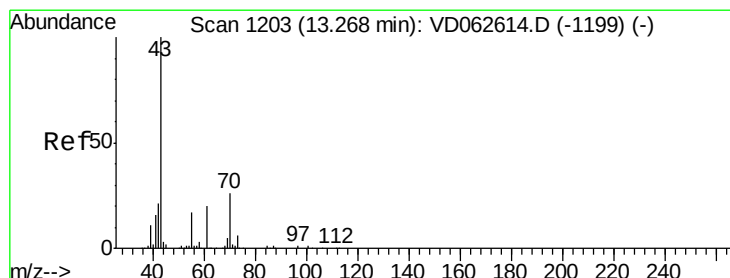
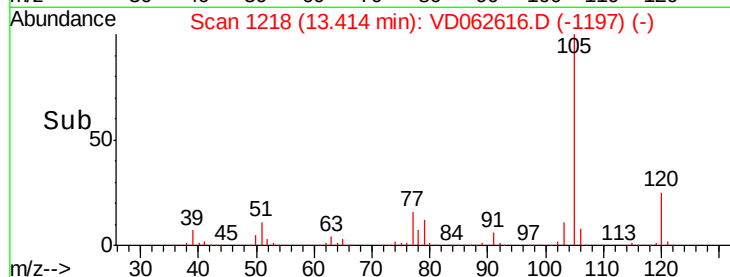
1000000

500000

0

13.30 13.40 13.50 13.60

Time-->



#74

N-ethyl acetate

Concen: 98.393 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Tgt Ion: 43 Resp: 900637

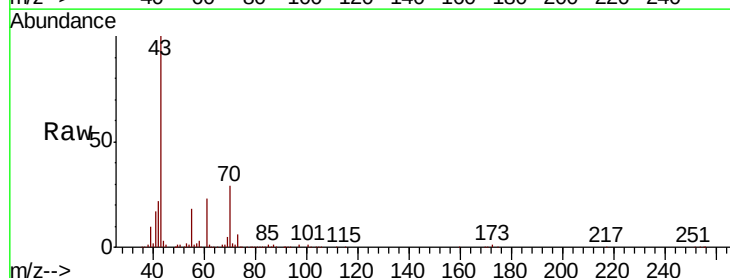
Ion Ratio Lower Upper

43 100

70 28.5 20.5 30.7

55 18.4 13.8 20.8

61 23.4 15.9 23.9



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

800000

600000

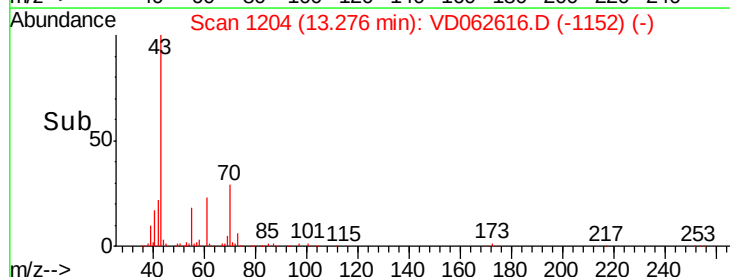
400000

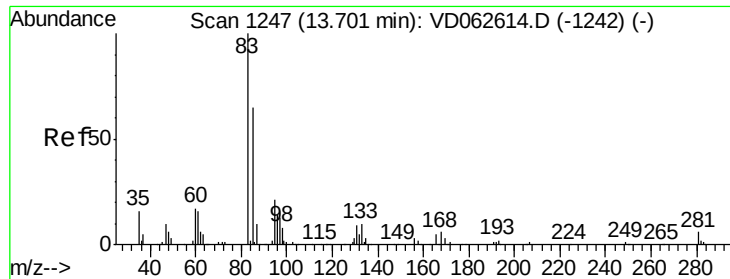
200000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 99.051 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

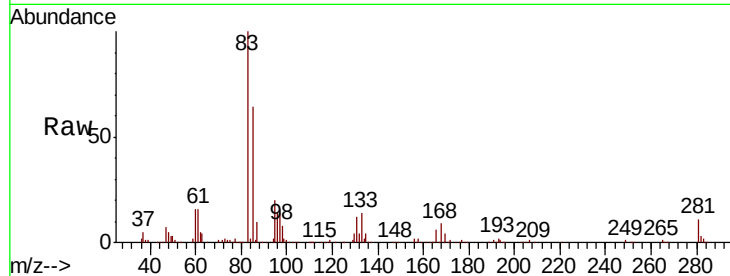
Tot Ion: 83 Resp: 588615

Ion Ratio Lower Upper

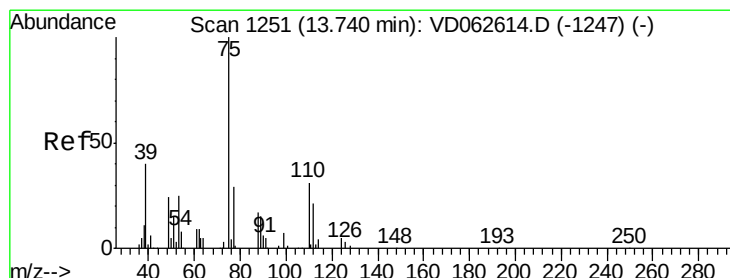
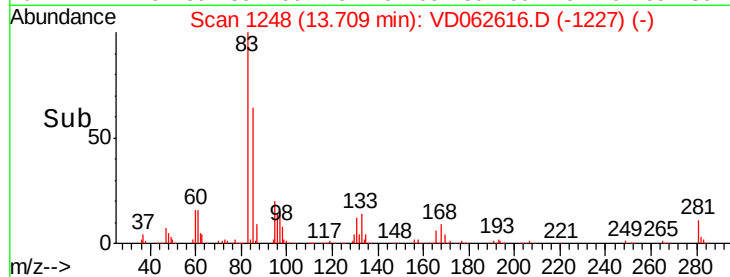
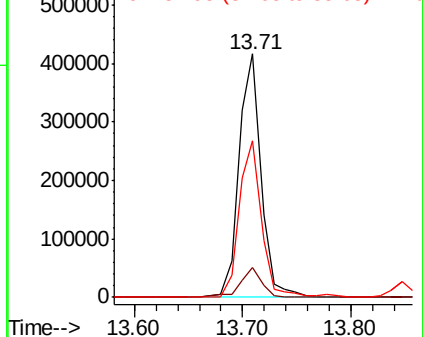
83 100

131 12.0 4.7 14.0

85 64.3 32.3 96.9



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: 96.121 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062616.D

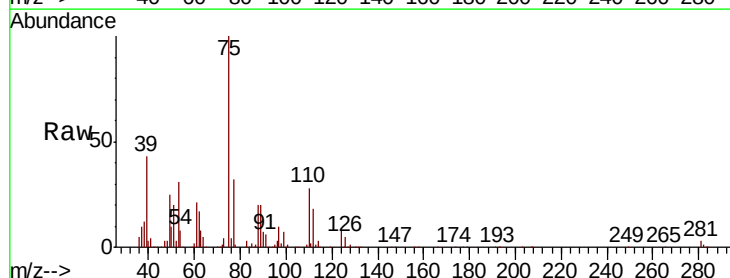
Acq: 5 Jun 2019 16:35

Tgt Ion: 75 Resp: 639247

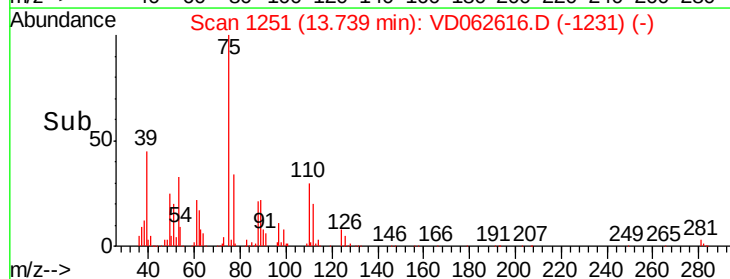
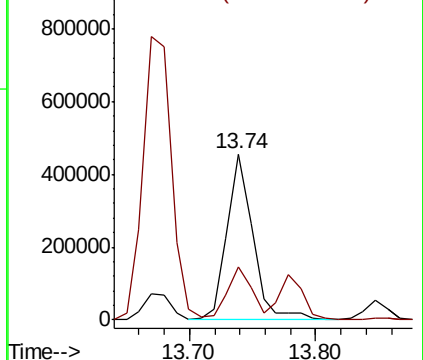
Ion Ratio Lower Upper

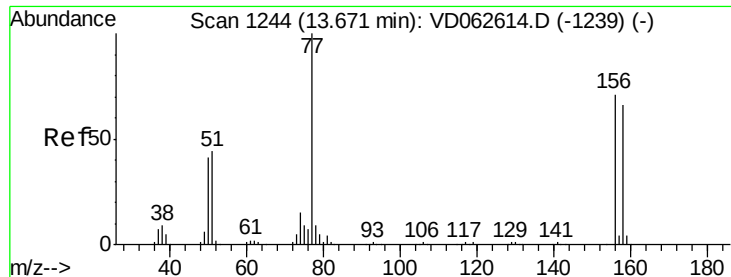
75 100

77 31.8 16.7 50.1



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





#77

Bromobenzene

Concen: 94.169 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

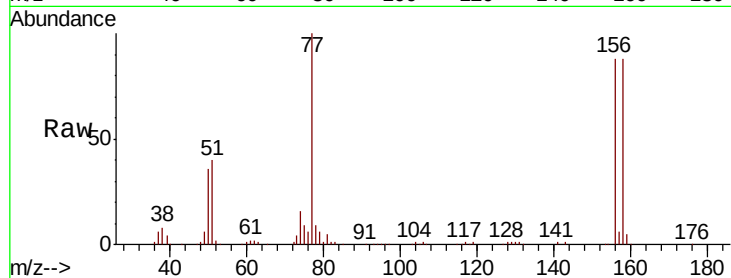
Tot Ion:156 Resp: 928541

Ion Ratio Lower Upper

156 100

77 114.2 70.5 211.5

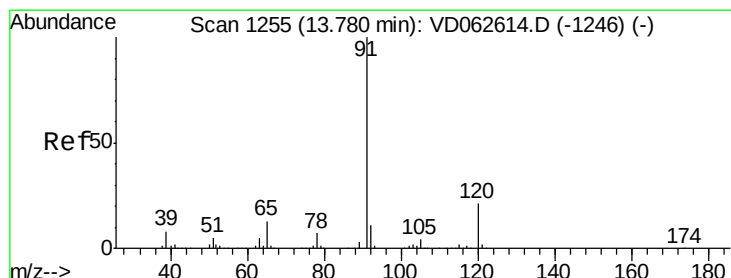
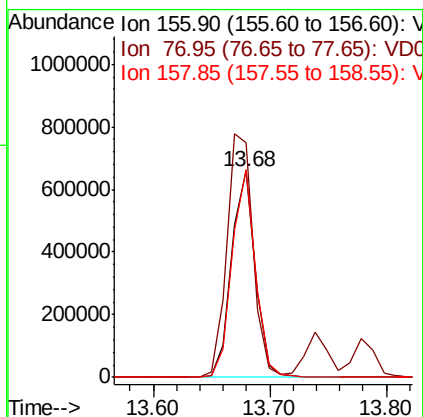
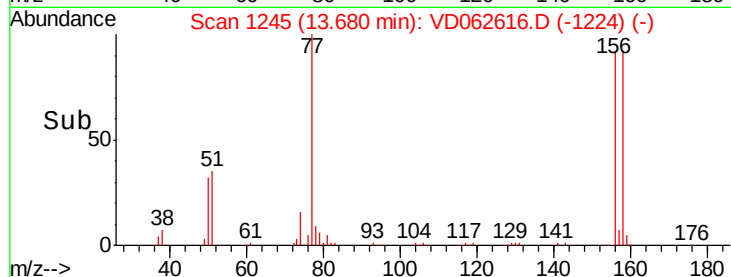
158 100.7 46.9 140.6



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: 86.721 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062616.D

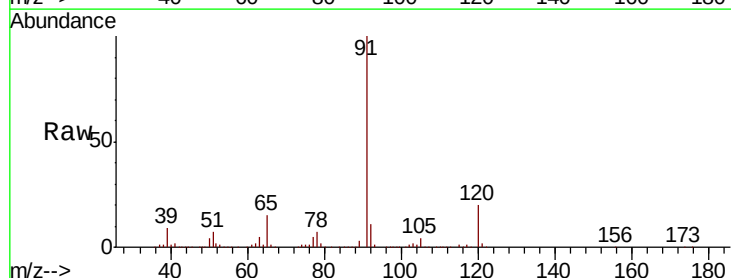
Acq: 5 Jun 2019 16:35

Tgt Ion: 91 Resp: 3565272

Ion Ratio Lower Upper

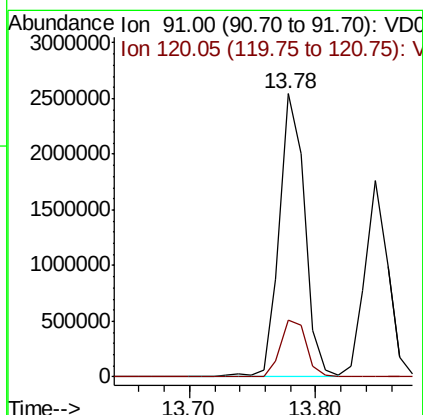
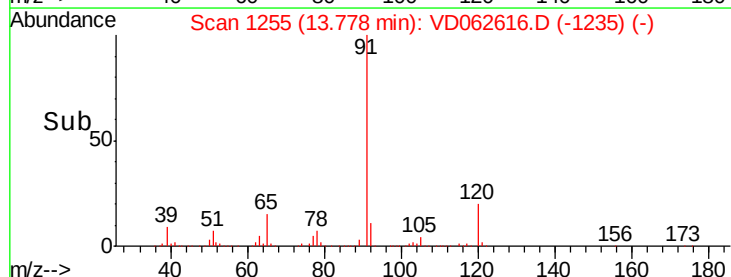
91 100

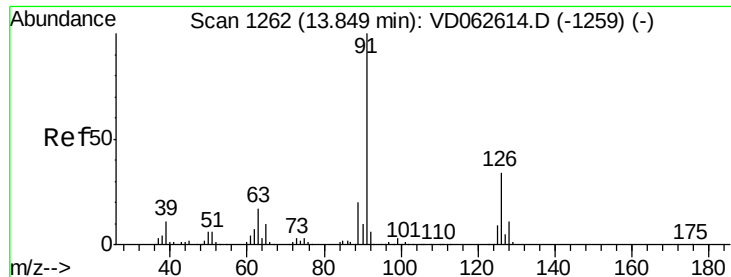
120 20.2 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

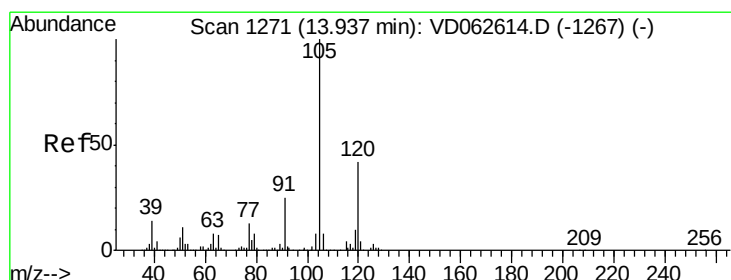
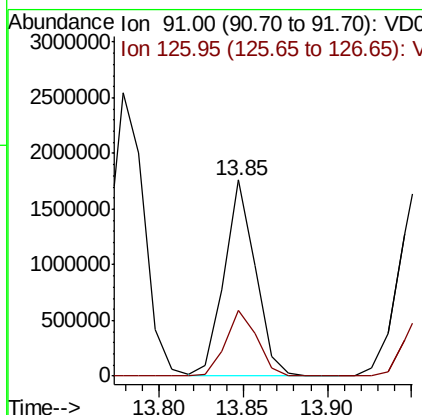
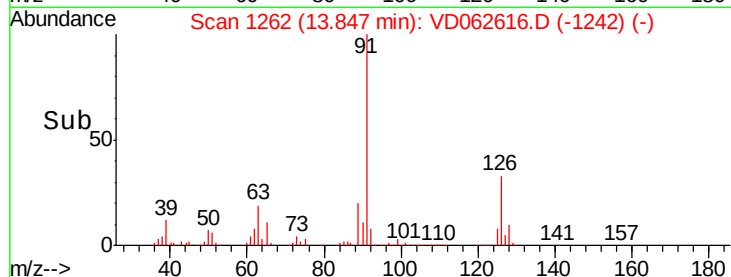
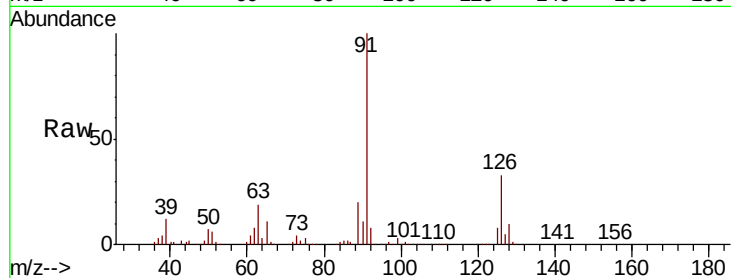




#79
2-Chlorotoluene
Concen: 91.012 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

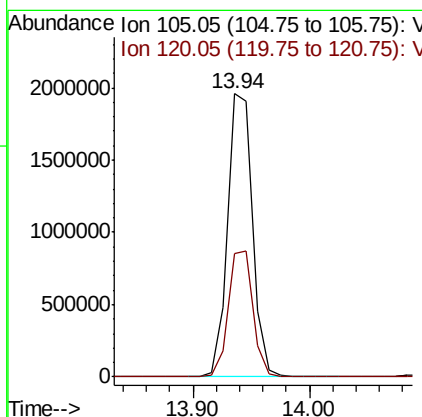
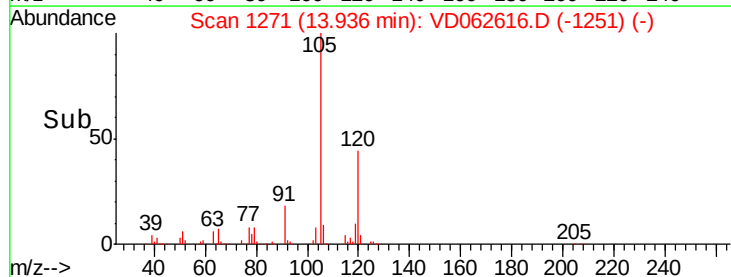
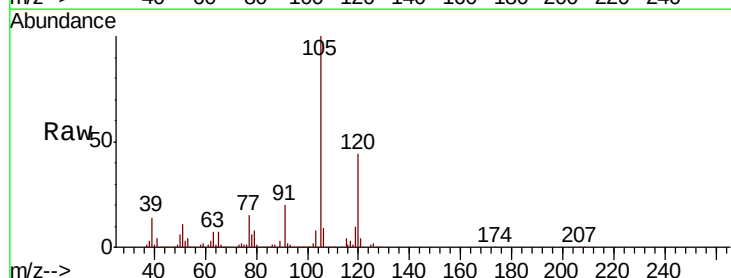
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

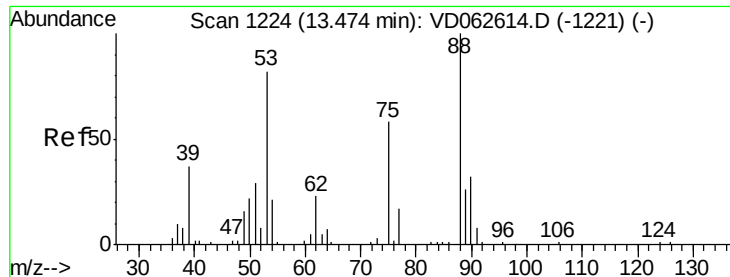
Tot Ion: 91 Resp: 2268454
Ion Ratio Lower Upper
91 100
126 33.4 16.7 50.1



#80
1,3,5-Trimethylbenzene
Concen: 95.199 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062616.D
Acq: 5 Jun 2019 16:35

Tgt Ion:105 Resp: 2904387
Ion Ratio Lower Upper
105 100
120 43.6 21.1 63.4





#81

trans-1,4-Dichloro-2-butene

Concen: 103.162 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

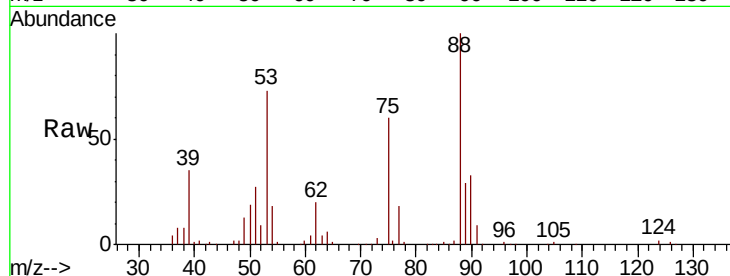
Tot Ion: 75 Resp: 176353

Ion Ratio Lower Upper

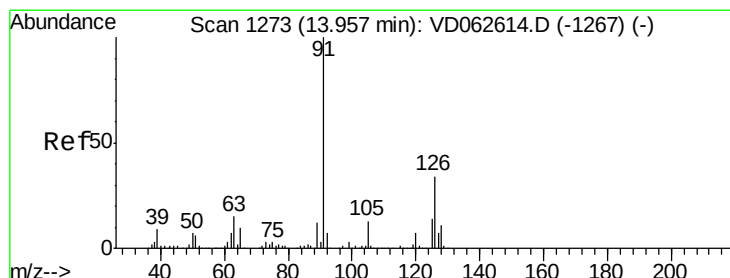
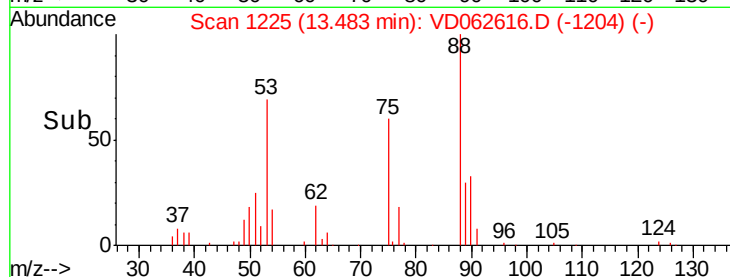
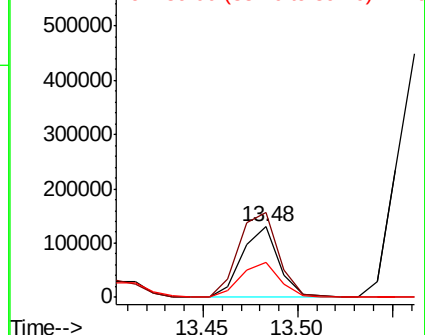
75 100

53 121.6 113.2 169.8

89 49.1 36.9 55.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 92.278 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD062616.D

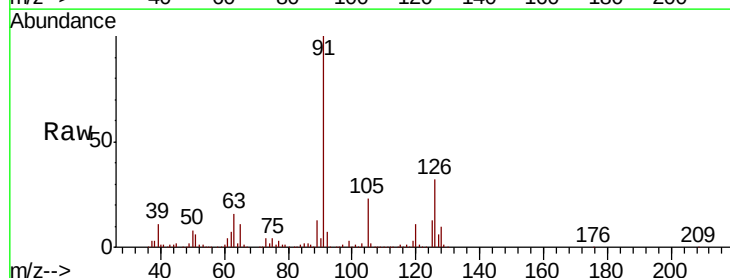
Acq: 5 Jun 2019 16:35

Tgt Ion: 91 Resp: 2706553

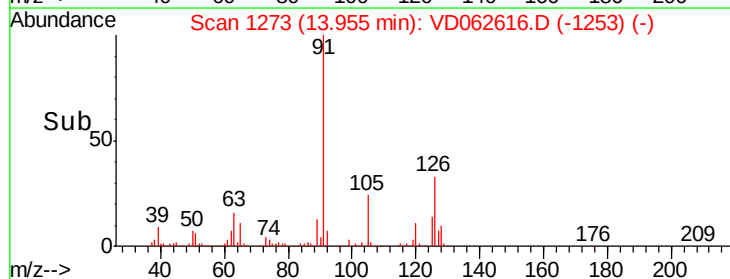
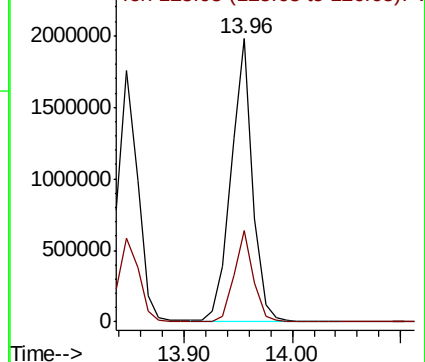
Ion Ratio Lower Upper

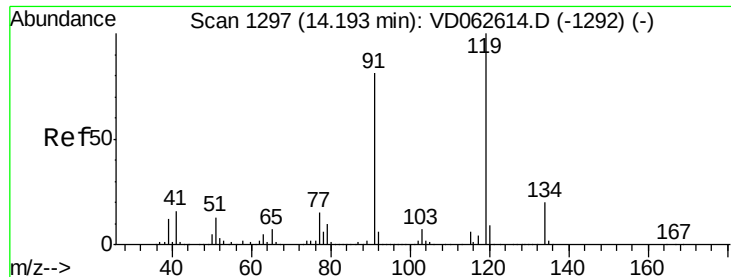
91 100

126 32.1 16.8 50.4



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

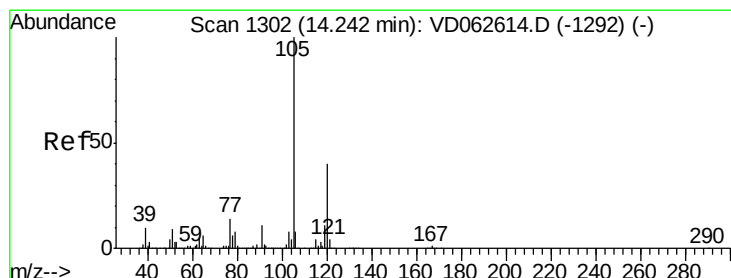
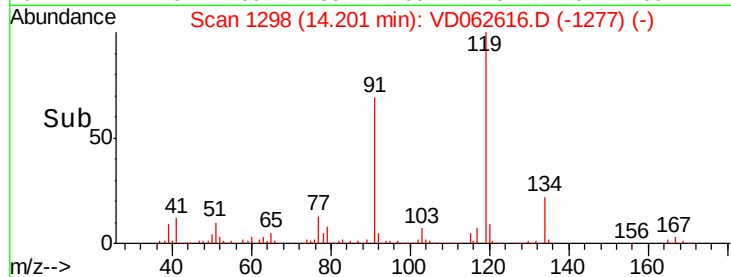
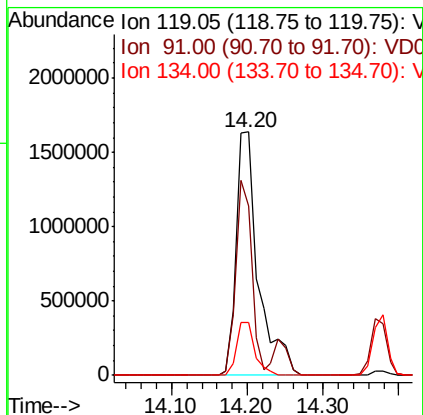
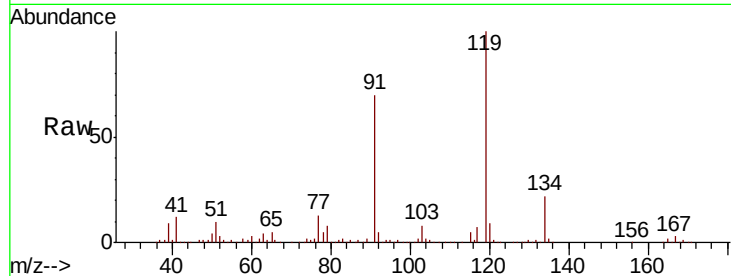




#83
 tert-Butylbenzene
 Concen: 97.402 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

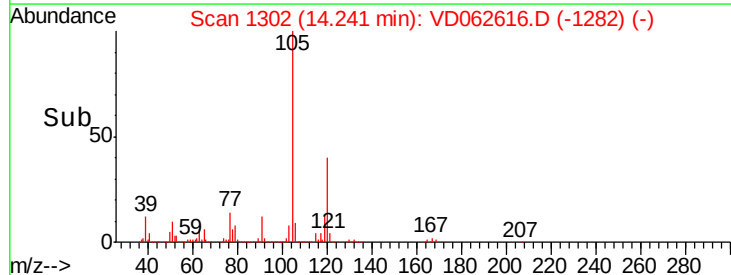
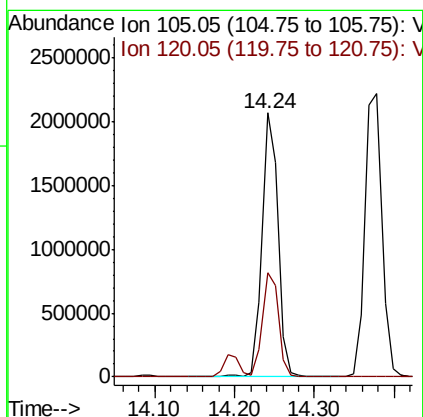
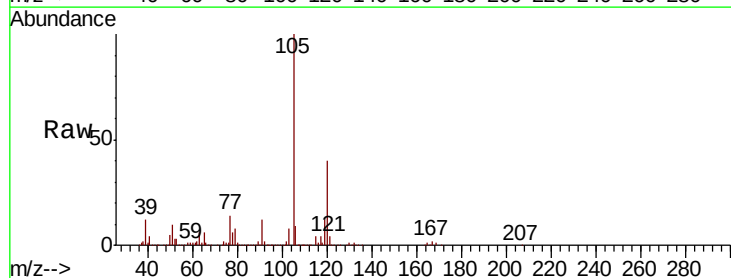
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

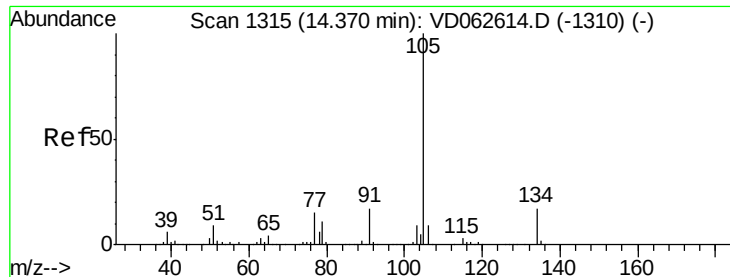
Tot Ion:119 Resp: 3272120
 Ion Ratio Lower Upper
 119 100
 91 69.7 40.8 122.2
 134 22.0 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 90.163 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion:105 Resp: 2815544
 Ion Ratio Lower Upper
 105 100
 120 39.7 19.9 59.7

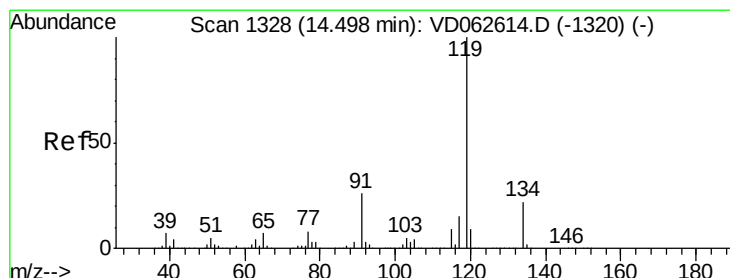
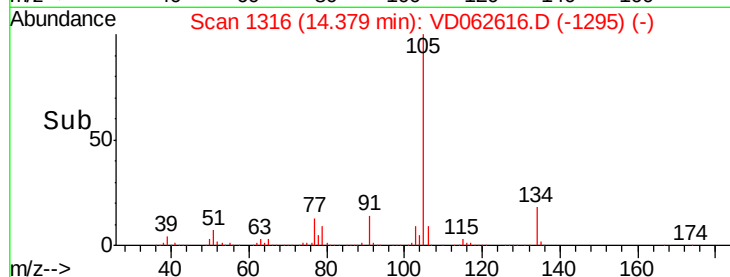
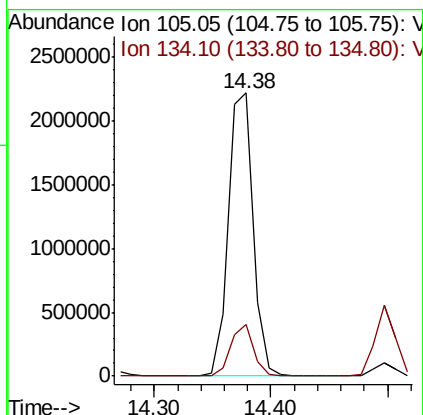
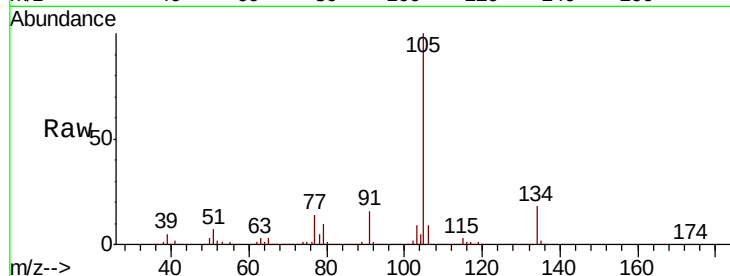




#85
 sec-Butylbenzene
 Concen: 94.201 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

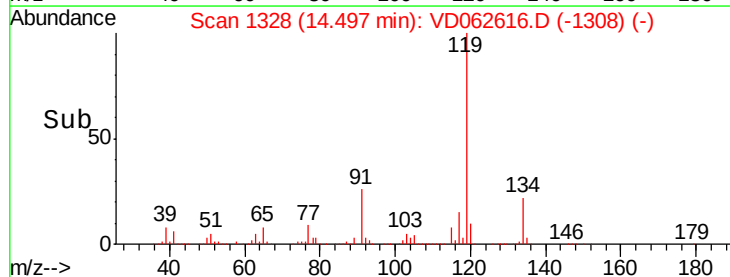
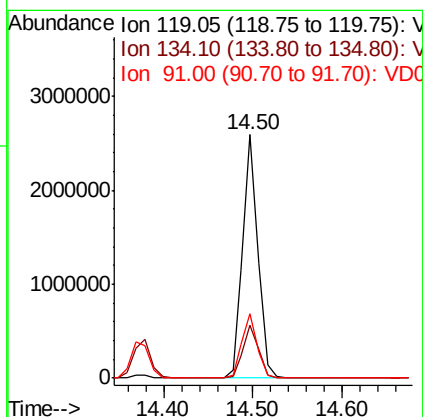
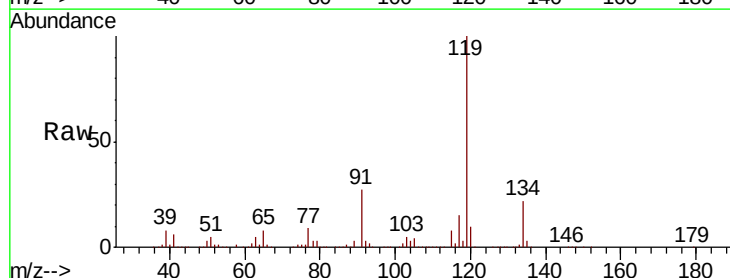
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

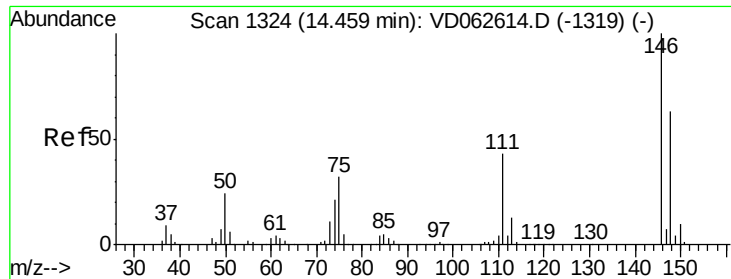
Tot Ion:105 Resp: 3260702
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 92.942 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion:119 Resp: 3092992
 Ion Ratio Lower Upper
 119 100
 134 21.6 11.2 33.5
 91 26.6 13.3 39.8

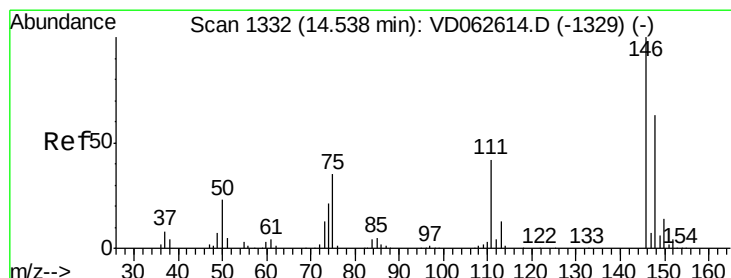
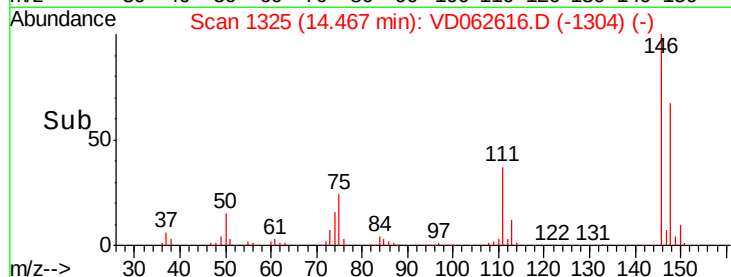
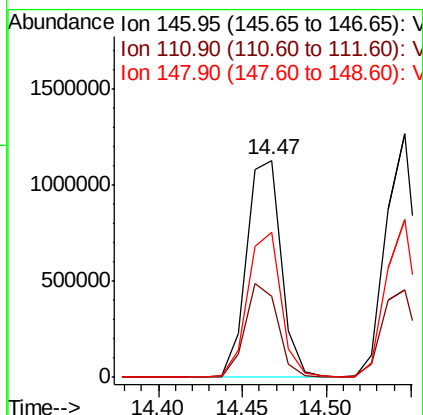
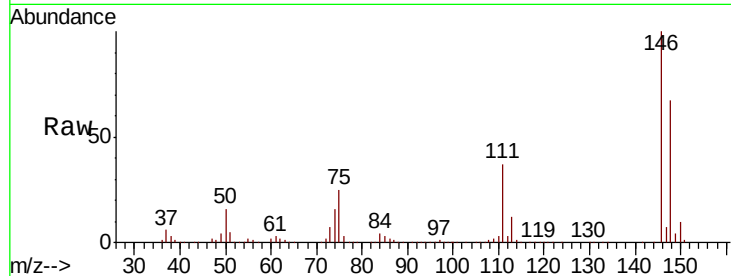




#87
 1,3-Dichlorobenzene
 Concen: 97.570 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

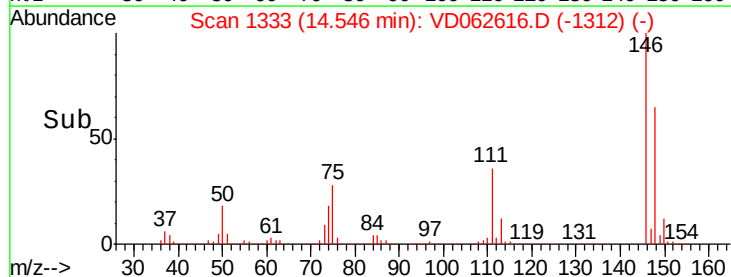
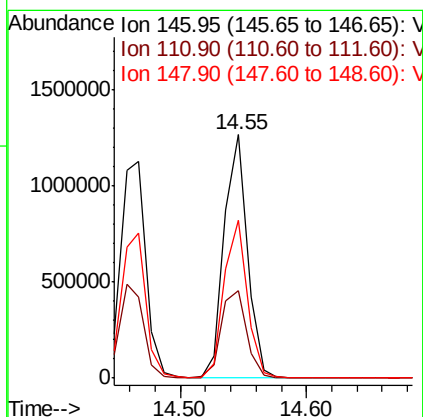
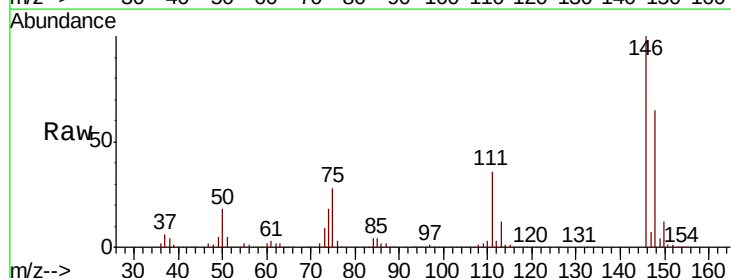
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

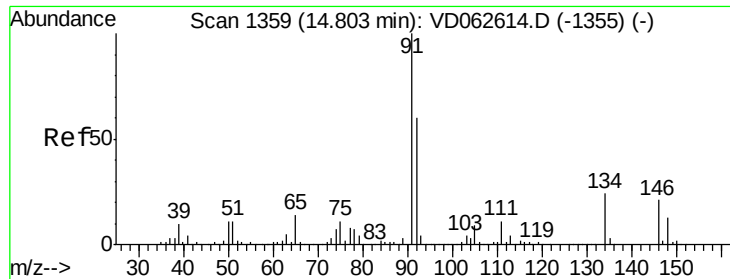
Tot Ion:146 Resp: 1614691
 Ion Ratio Lower Upper
 146 100
 111 37.1 21.6 64.6
 148 66.7 31.3 93.8



#88
 1,4-Dichlorobenzene
 Concen: 96.502 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion:146 Resp: 1617408
 Ion Ratio Lower Upper
 146 100
 111 36.2 20.9 62.8
 148 64.6 31.5 94.5





#89

n-Butylbenzene

Concen: 93.945 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

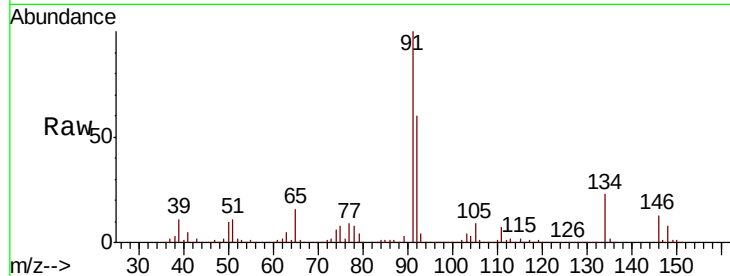
Tot Ion: 91 Resp: 2907006

Ion Ratio Lower Upper

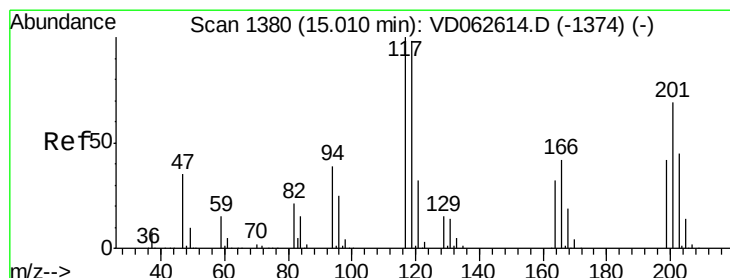
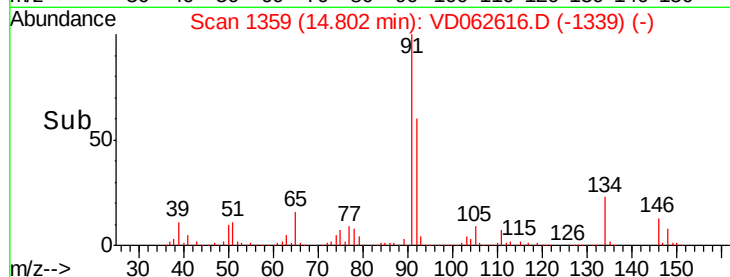
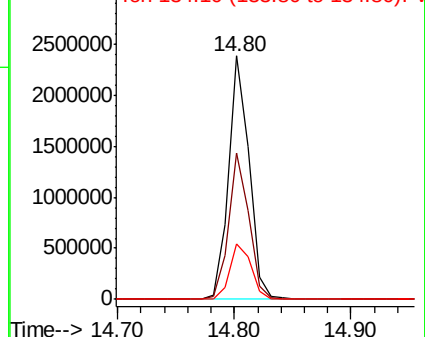
91 100

92 59.9 29.9 89.7

134 22.6 12.1 36.3



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: 99.272 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062616.D

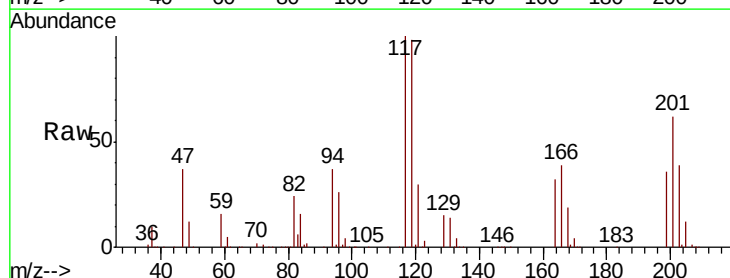
Acq: 5 Jun 2019 16:35

Tgt Ion: 117 Resp: 869494

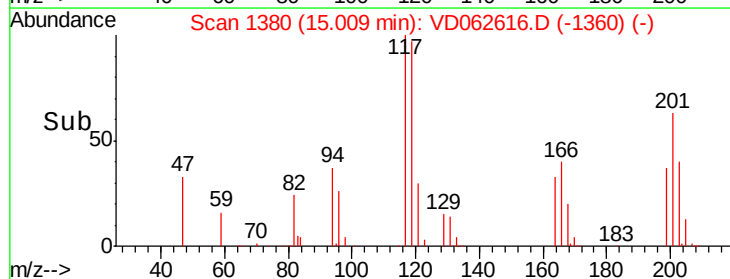
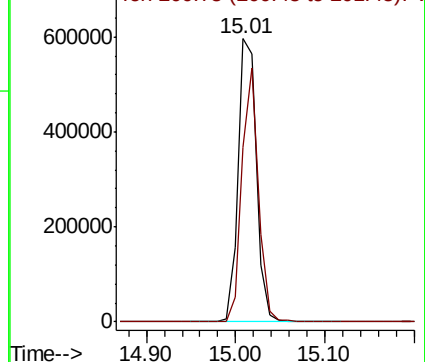
Ion Ratio Lower Upper

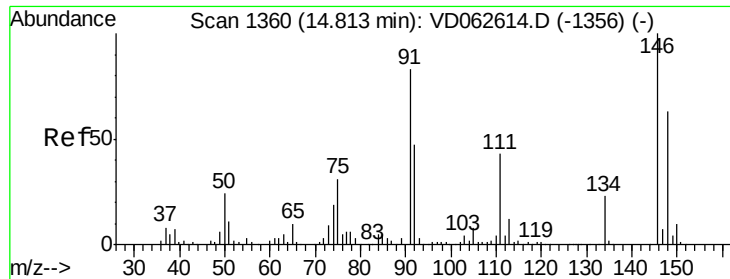
117 100

201 61.9 34.4 103.3



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

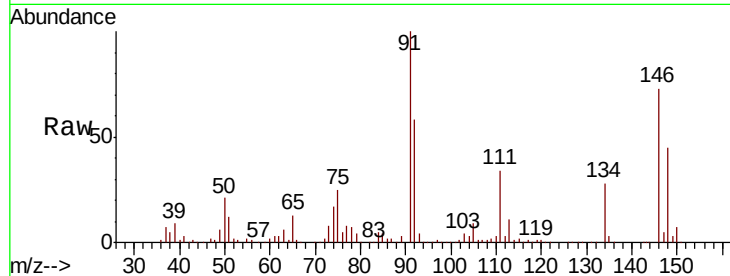




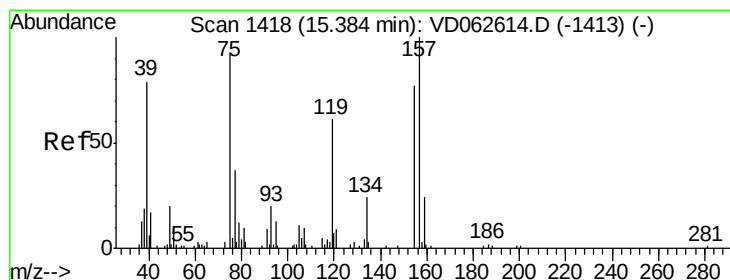
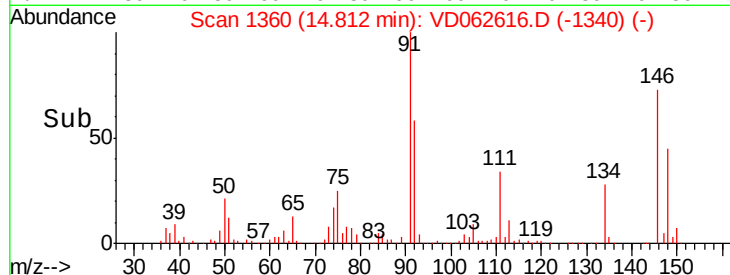
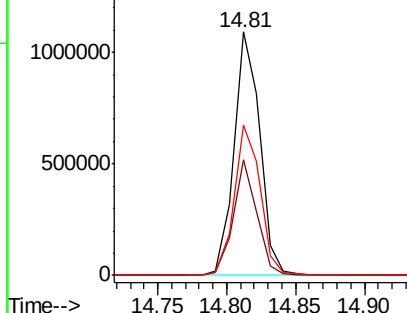
#91
 1,2-Dichlorobenzene
 Concen: 93.061 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1422056
 Ion Ratio Lower Upper
 146 100
 111 47.4 21.3 64.0
 148 61.7 31.4 94.3

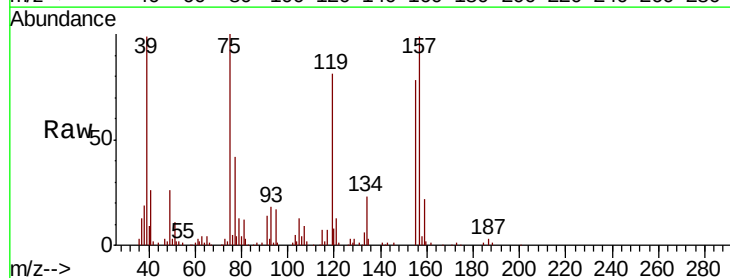


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

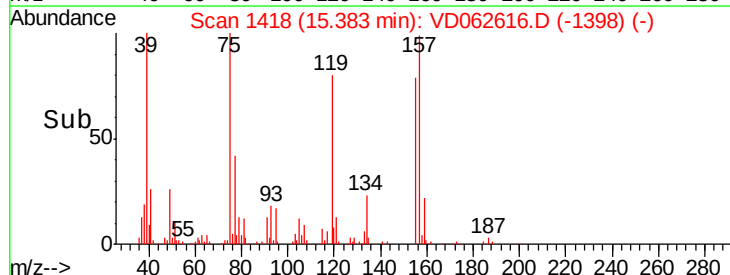
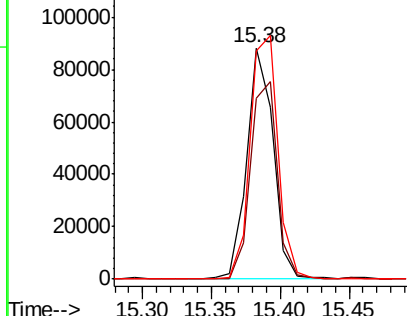


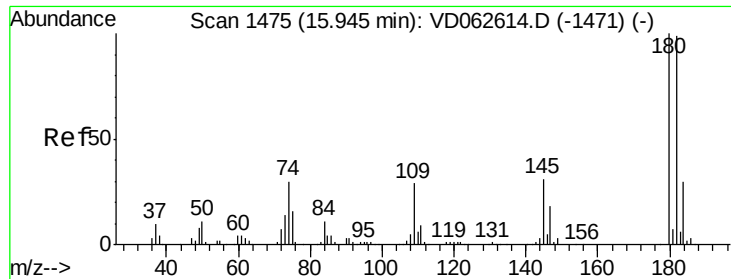
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.097 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion: 75 Resp: 119246
 Ion Ratio Lower Upper
 75 100
 155 78.3 41.6 124.8
 157 98.7 53.8 161.2



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

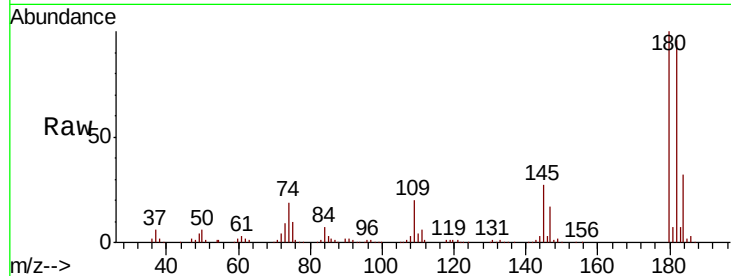




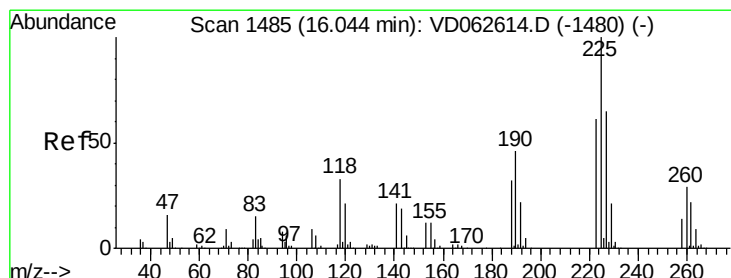
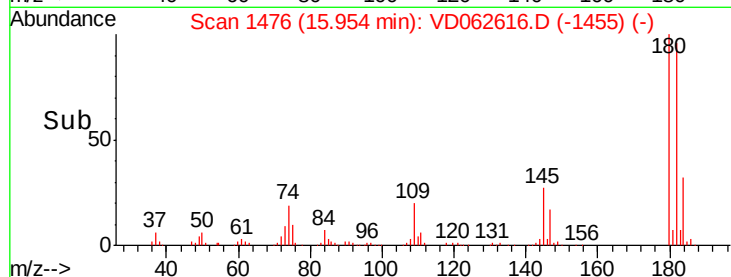
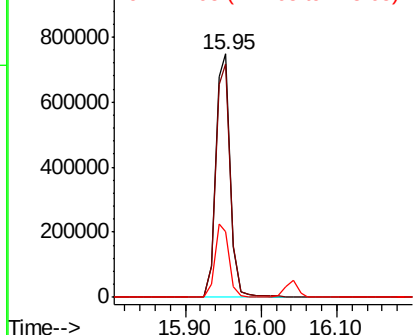
#93
 1,2,4-Trichlorobenzene
 Concen: 93.473 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1026300
 Ion Ratio Lower Upper
 180 100
 182 95.9 49.3 147.8
 145 27.1 15.7 47.1

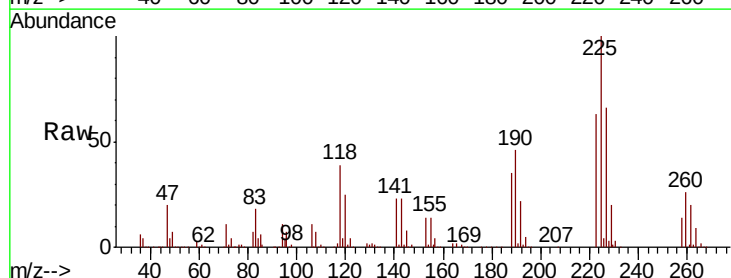


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

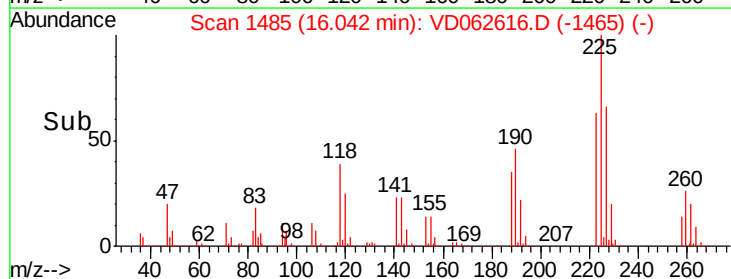
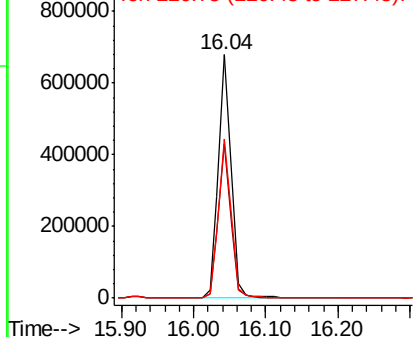


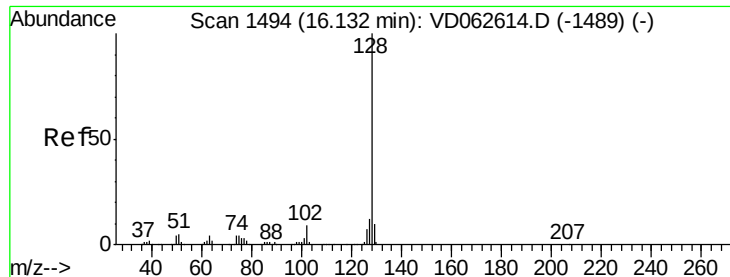
#94
 Hexachlorobutadiene
 Concen: 99.955 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062616.D
 Acq: 5 Jun 2019 16:35

Tgt Ion:225 Resp: 823195
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.3 91.0
 227 65.5 32.4 97.0



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





#95

Naphthalene

Concen: 101.702 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

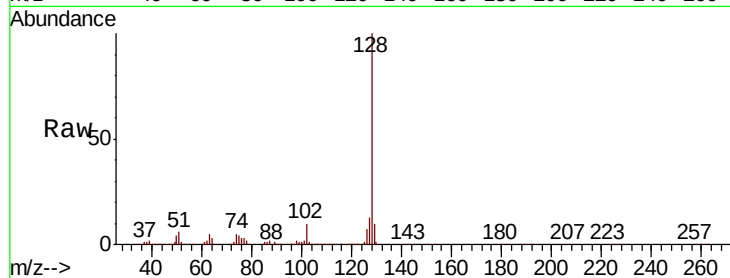
Tot Ion:128 Resp: 1599018

Ion Ratio Lower Upper

128 100

127 13.1 9.4 14.2

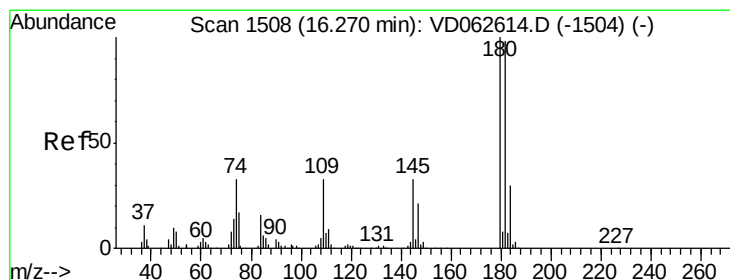
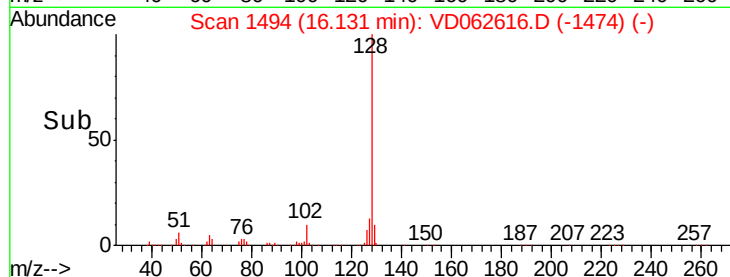
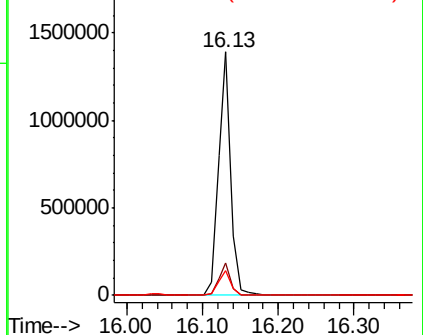
129 10.0 8.0 12.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 97.309 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062616.D

Acq: 5 Jun 2019 16:35

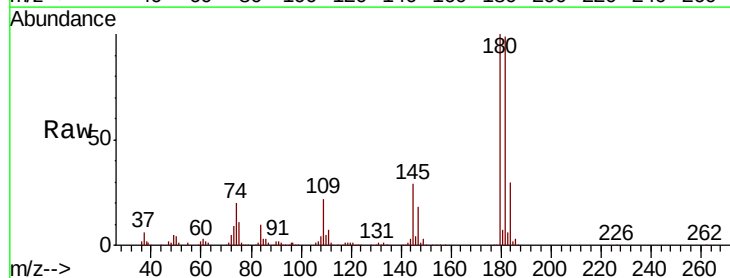
Tgt Ion:180 Resp: 816994

Ion Ratio Lower Upper

180 100

182 99.1 49.1 147.3

145 28.6 16.6 49.7



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

