

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062516.D
 Acq On : 23 May 2019 12:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 24 01:19:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	660566	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	921191	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	712570	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	382540	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	322420	45.60	ug/l	-0.02
Spiked Amount			Recovery	=	91.20%	
35) Dibromofluoromethane	6.91	113	388014	46.69	ug/l	-0.03
Spiked Amount			Recovery	=	93.38%	
50) Toluene-d8	10.41	98	899664	49.47	ug/l	-0.02
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	13.55	95	375468	47.20	ug/l	-0.02
Spiked Amount			Recovery	=	94.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	241634	37.853	ug/l	99
3) Chloromethane	1.75	50	190358	41.598	ug/l	94
4) Vinyl Chloride	1.85	62	198683	41.260	ug/l	99
5) Bromomethane	2.14	94	71888	34.597	ug/l	93
6) Chloroethane	2.26	64	94031	40.366	ug/l	100
7) Trichlorofluoromethane	2.52	101	414924	37.293	ug/l	99
8) Diethyl Ether	2.87	74	55004	36.648	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.14	101	270359	40.845	ug/l	97
10) Methyl Iodide	3.29	142	454868	49.284	ug/l	92
11) Tert butyl alcohol	4.07	59	65829	201.693	ug/l	98
12) 1,1-Dichloroethene	3.12	96	195920	40.049	ug/l	86
13) Acrolein	3.03	56	68467	252.605	ug/l	92
14) Allyl chloride	3.61	41	332288	46.068	ug/l #	83
15) Acrylonitrile	4.19	53	184765	247.049	ug/l	89
16) Acetone	3.21	43	290349	229.145	ug/l #	86
17) Carbon Disulfide	3.37	76	679189	45.843	ug/l	100
18) Methyl Acetate	3.64	43	92194	42.166	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	510352	45.168	ug/l	93
20) Methylene Chloride	3.80	84	244867	44.620	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	268811	46.938	ug/l	89
22) Diisopropyl ether	5.11	45	711939	46.371	ug/l	95
23) Vinyl Acetate	5.04	43	2081780	224.397	ug/l	99
24) 1,1-Dichloroethane	4.97	63	432426	43.732	ug/l	98
25) 2-Butanone	6.07	43	288984	218.058	ug/l	96
26) 2,2-Dichloropropane	6.02	77	457854	42.955	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	277634	44.959	ug/l	99
28) Bromochloromethane	6.43	49	171270	48.260	ug/l	92
29) Tetrahydrofuran	6.45	42	142197	224.665	ug/l	99
30) Chloroform	6.66	83	508491	40.337	ug/l	99
31) Cyclohexane	6.94	56	314258	47.070	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	499898	39.278	ug/l	99
36) 1,1-Dichloropropene	7.14	75	365605	41.512	ug/l	96
37) Ethyl Acetate	6.18	43	149967	43.832	ug/l	97
38) Carbon Tetrachloride	7.10	117	556519	42.517	ug/l	99

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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	8.86	83	315227	43.395	ug/l	94
40) Benzene	7.44	78	755012	43.704	ug/l	98
41) Methacrylonitrile	6.44	41	178709	41.588	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	354745	38.779	ug/l	96
43) Isopropyl Acetate	9.24	43	205215	45.212	ug/l	98
44) Trichloroethene	8.54	130	313012	45.253	ug/l	97
45) 1,2-Dichloropropane	8.93	63	184491	43.822	ug/l	95
46) Dibromomethane	9.06	93	152204	39.884	ug/l #	84
47) Bromodichloromethane	9.36	83	391618	40.339	ug/l	100
48) Methyl methacrylate	9.11	41	125439	41.067	ug/l	86
49) 1,4-Dioxane	9.07	88	25814	942.201	ug/l #	85
51) 4-Methyl-2-Pentanone	10.29	43	614096	204.801	ug/l	97
52) Toluene	10.51	92	543104	45.923	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	336465	41.629	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	378322	44.859	ug/l	92
55) 1,1,2-Trichloroethane	11.18	97	171261	42.727	ug/l	98
56) Ethyl methacrylate	11.04	69	186520	43.529	ug/l #	93
57) 1,3-Dichloropropane	11.40	76	243954	39.686	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	569701	258.924	ug/l	91
59) 2-Hexanone	11.53	43	486055	223.037	ug/l	96
60) Dibromochloromethane	11.68	129	318502	41.371	ug/l	98
61) 1,2-Dibromoethane	11.80	107	199538	40.395	ug/l	97
64) Tetrachloroethene	11.25	164	265156	44.442	ug/l	97
65) Chlorobenzene	12.39	112	606966	44.294	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	278661	44.055	ug/l	97
67) Ethyl Benzene	12.52	91	1101788	46.681	ug/l	98
68) m/p-Xylenes	12.66	106	759339	89.625	ug/l	93
69) o-Xylene	13.04	106	355105	44.422	ug/l	92
70) Styrene	13.06	104	607990	44.708	ug/l	93
71) Bromoform	13.23	173	190113	45.257	ug/l #	99
73) Isopropylbenzene	13.40	105	1120397	46.465	ug/l	99
74) N-amyl acetate	13.26	43	264024	44.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	183820	42.256	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	192705	42.768	ug/l	98
77) Bromobenzene	13.66	156	306158	44.758	ug/l	91
78) n-propylbenzene	13.77	91	1258304	45.051	ug/l	99
79) 2-Chlorotoluene	13.83	91	719771	42.464	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	913729	43.765	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	59291	46.657	ug/l #	76
82) 4-Chlorotoluene	13.94	91	873108	44.727	ug/l	85
83) tert-Butylbenzene	14.19	119	1004663	43.381	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	924876	43.232	ug/l	94
85) sec-Butylbenzene	14.36	105	1131302	46.849	ug/l	99
86) p-Isopropyltoluene	14.49	119	1017287	46.486	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	549817	45.516	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	540994	46.411	ug/l	99
89) n-Butylbenzene	14.80	91	922023	43.657	ug/l	95
90) Hexachloroethane	15.00	117	277708	45.918	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	455447	44.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	33313	40.344	ug/l	94

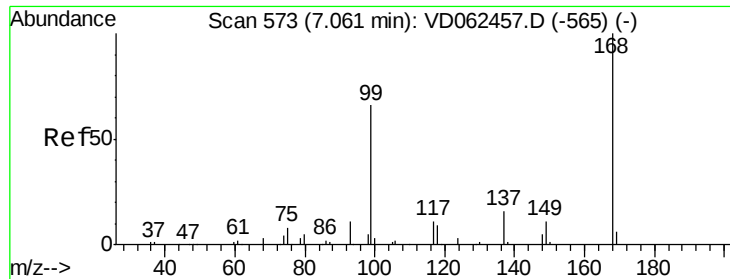
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	340483	42.098	ug/l	96
94) Hexachlorobutadiene	16.04	225	248838	41.669	ug/l	100
95) Naphthalene	16.12	128	502179	45.441	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	262155	39.539	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

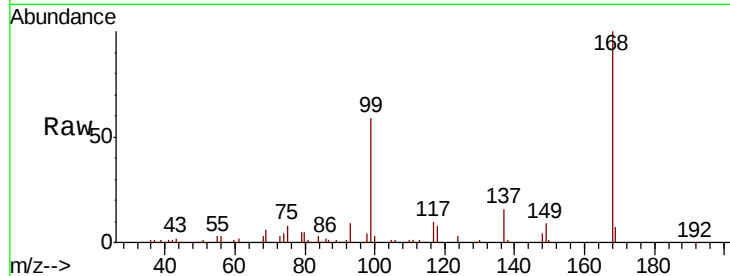
VSTDCCC050

Tot Ion:168 Resp: 660566

Ion Ratio Lower Upper

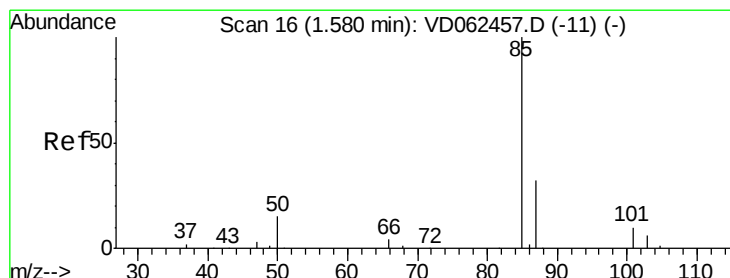
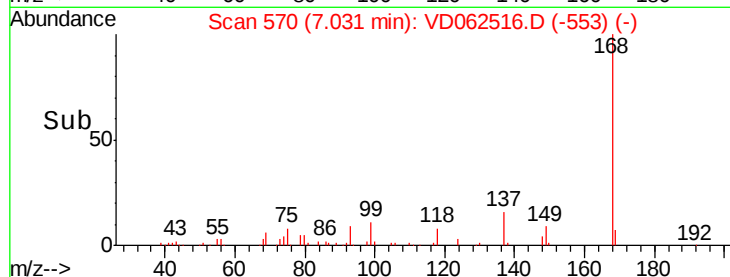
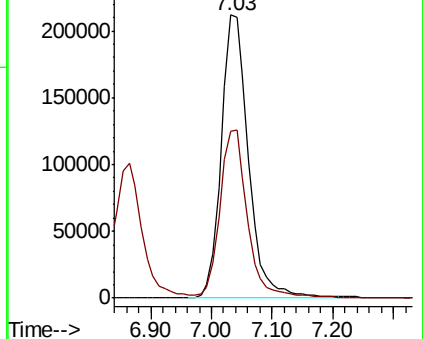
168 100

99 58.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 37.853 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062516.D

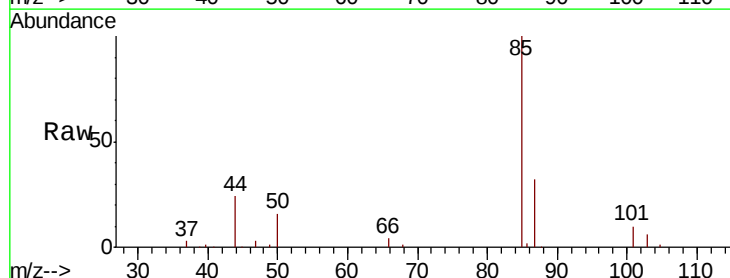
Acq: 23 May 2019 12:20

Tgt Ion: 85 Resp: 241634

Ion Ratio Lower Upper

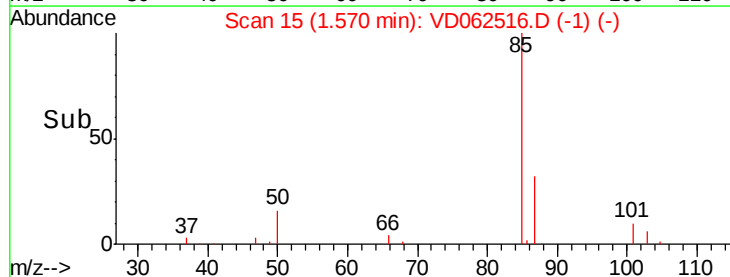
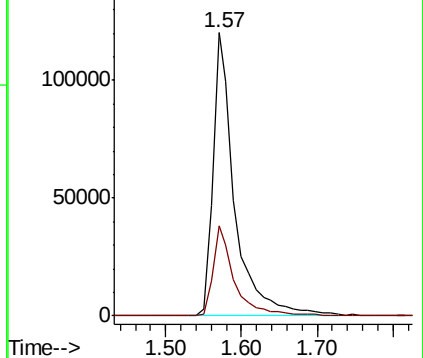
85 100

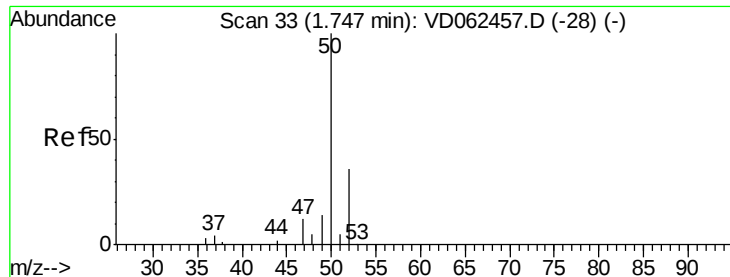
87 31.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.598 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

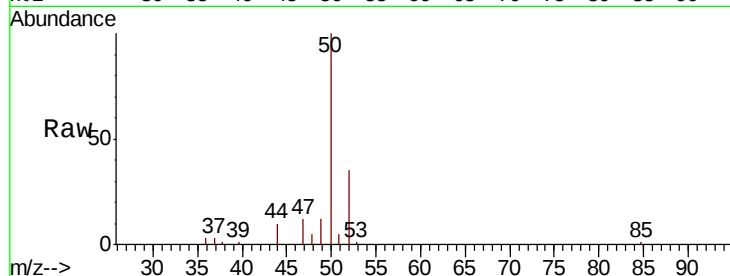
VSTDCCC050

Tot Ion: 50 Resp: 190358

Ion Ratio Lower Upper

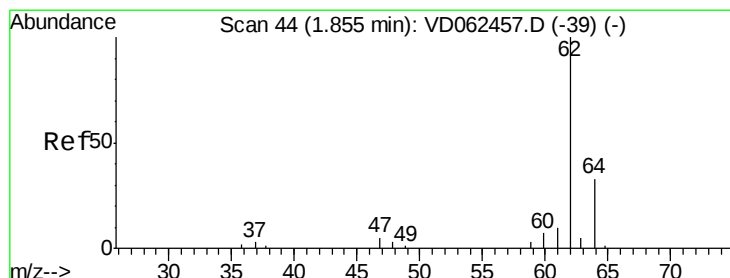
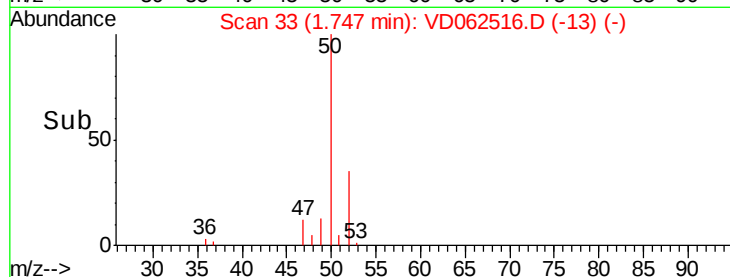
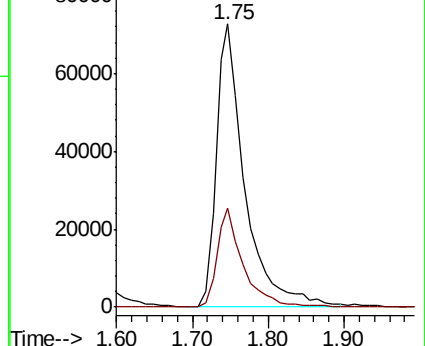
50 100

52 34.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 41.260 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062516.D

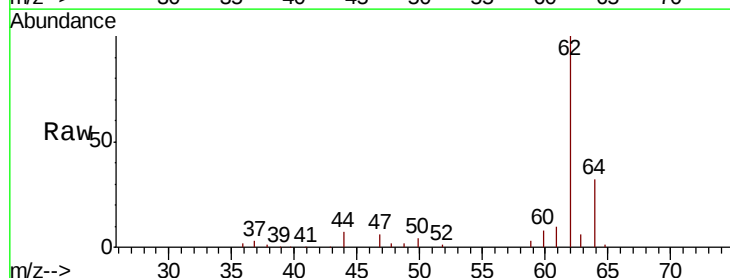
Acq: 23 May 2019 12:20

Tgt Ion: 62 Resp: 198683

Ion Ratio Lower Upper

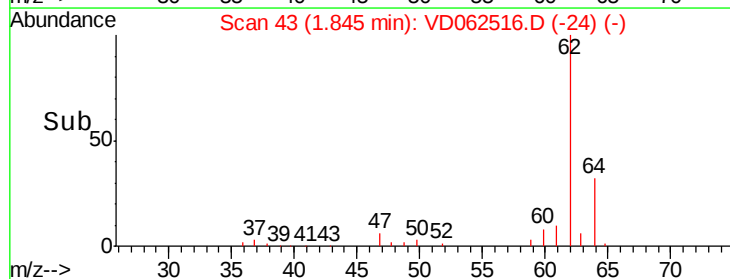
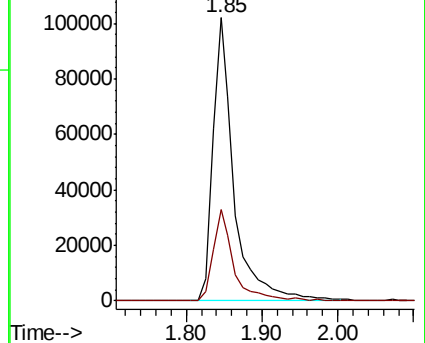
62 100

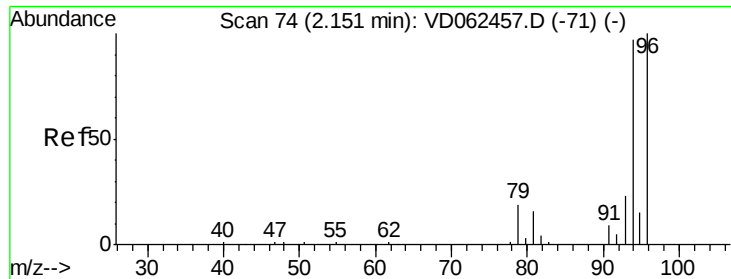
64 32.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 34.597 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

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ClientSampleId :

VSTDCCC050

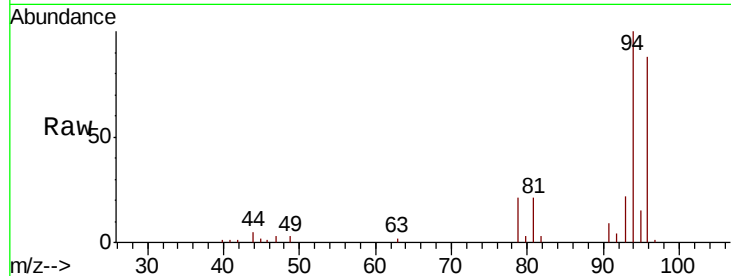
Tot Ion: 94 Resp: 71888

Ion Ratio Lower Upper

94 100

96 88.2 76.6 115.0

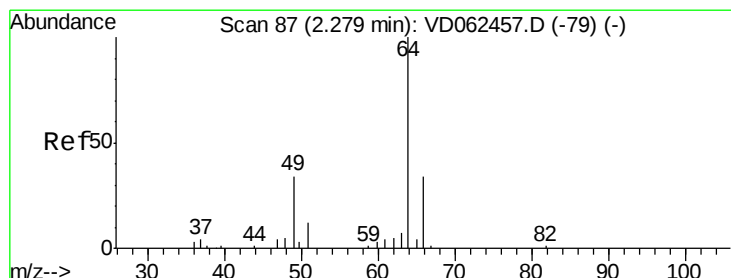
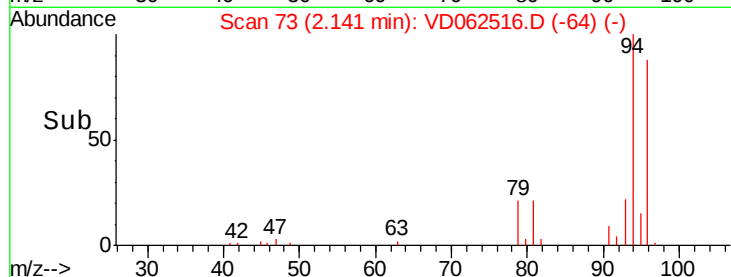
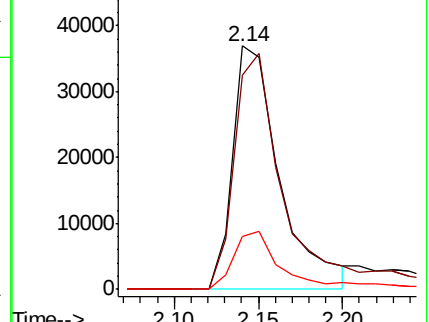
93 21.6 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 40.366 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062516.D

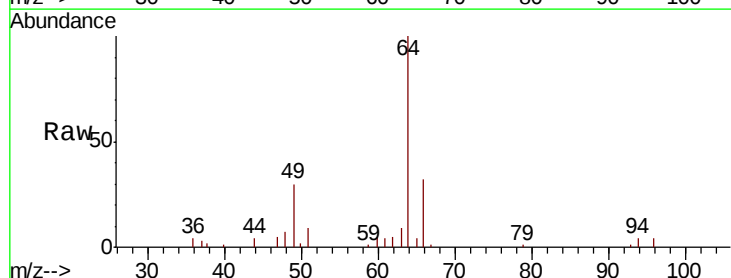
Acq: 23 May 2019 12:20

Tgt Ion: 64 Resp: 94031

Ion Ratio Lower Upper

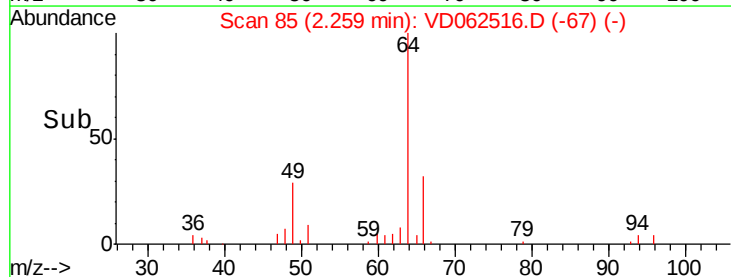
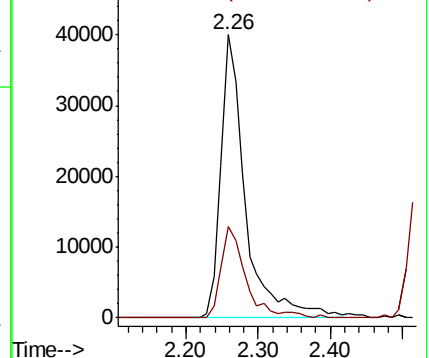
64 100

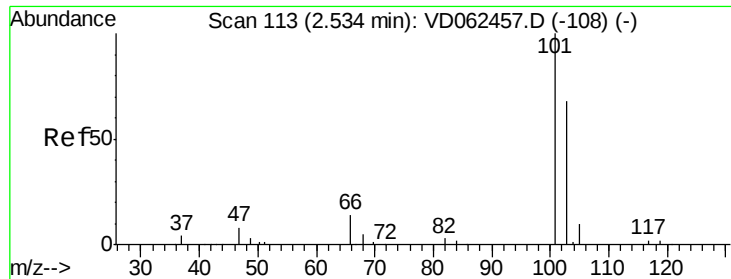
66 32.1 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



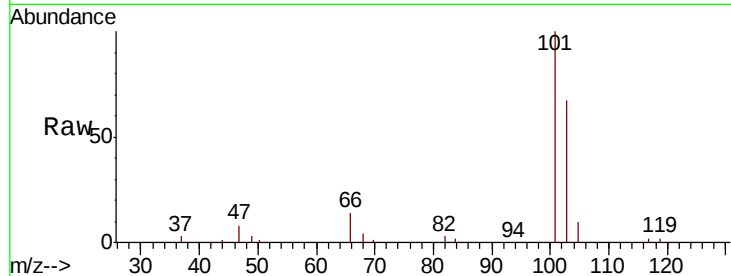


#7

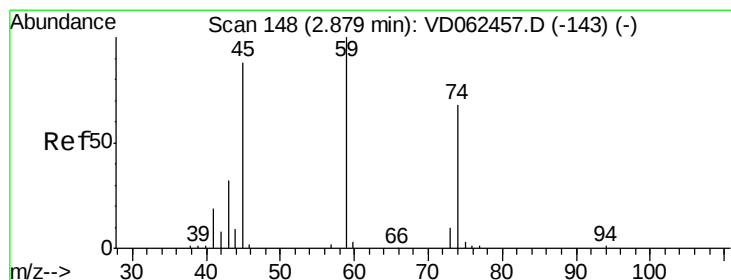
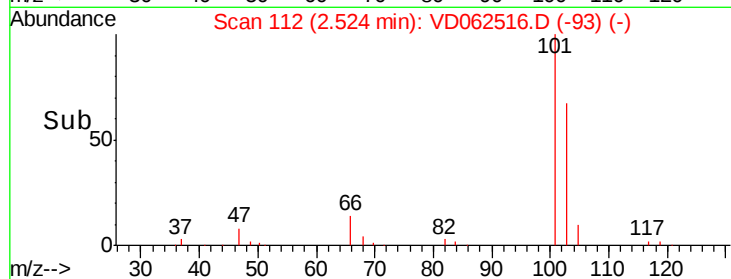
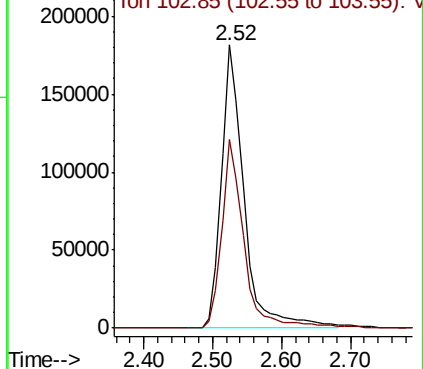
Trichlorofluoromethane
 Concen: 37.293 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 414924
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.6 80.4



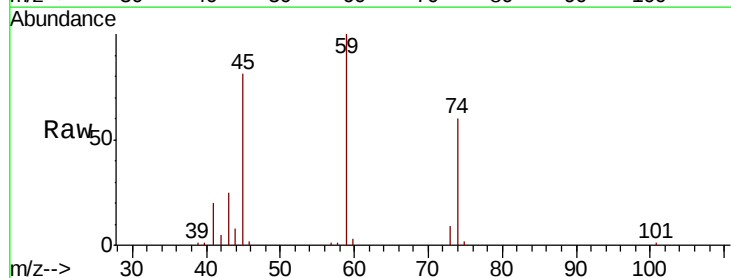
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



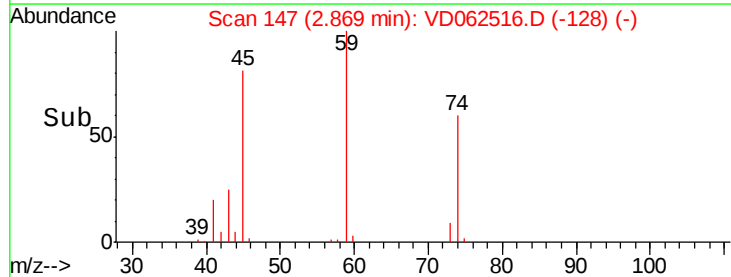
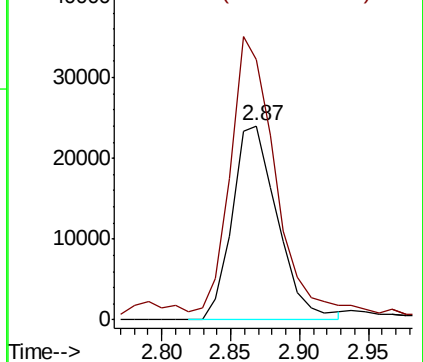
#8

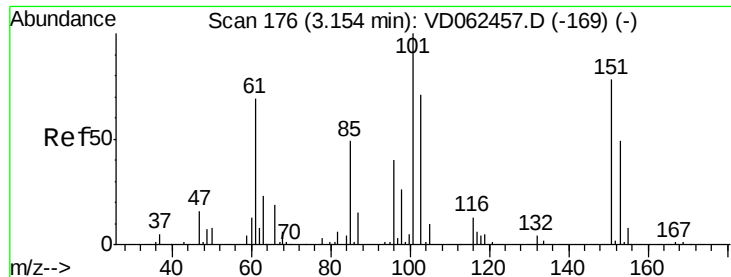
Diethyl Ether
 Concen: 36.648 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion: 74 Resp: 55004
 Ion Ratio Lower Upper
 74 100
 45 138.3 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.845 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

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VSTDCCC050

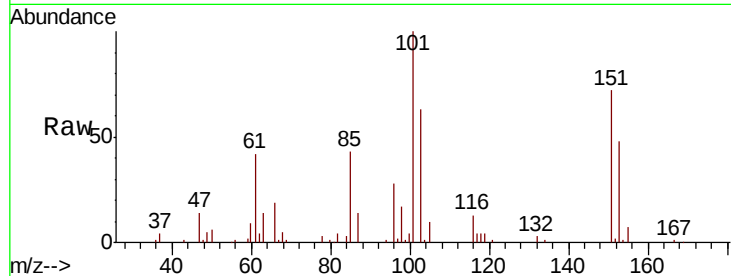
Tot Ion:101 Resp: 270359

Ion Ratio Lower Upper

101 100

85 43.0 32.4 48.6

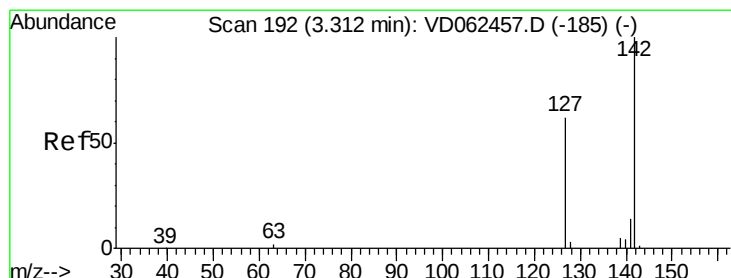
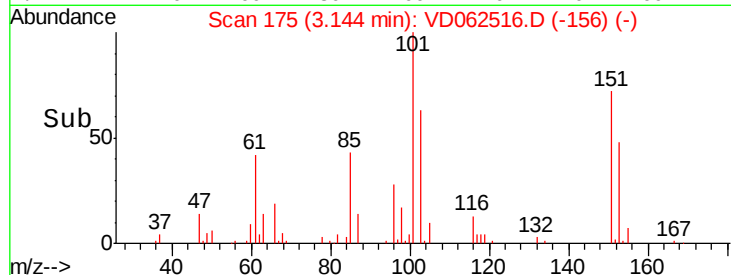
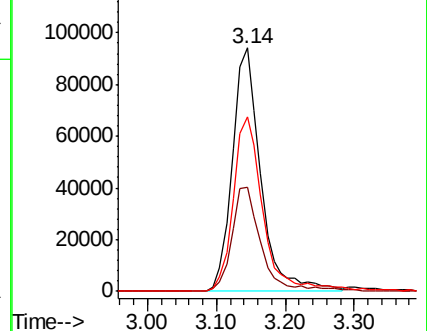
151 71.9 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.284 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

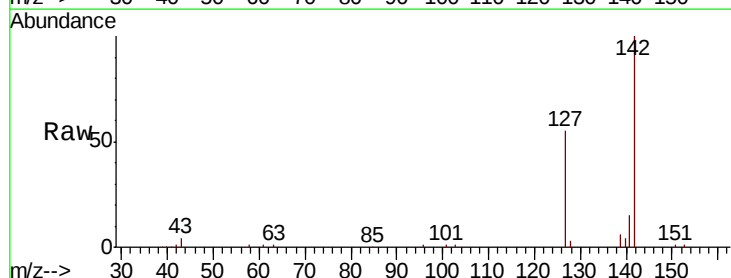
Tgt Ion:142 Resp: 454868

Ion Ratio Lower Upper

142 100

127 55.5 38.8 58.2

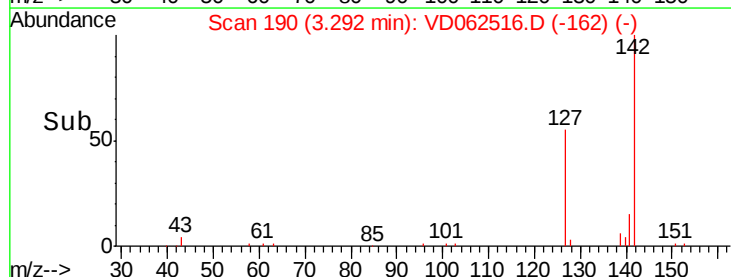
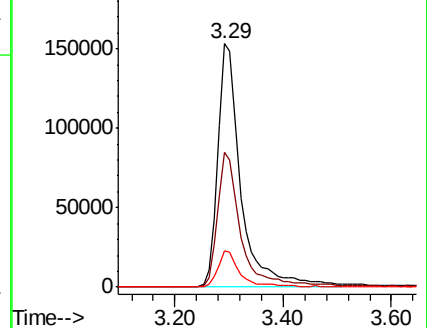
141 14.7 11.4 17.0

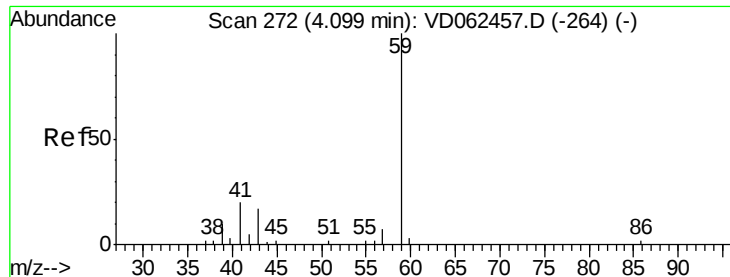


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



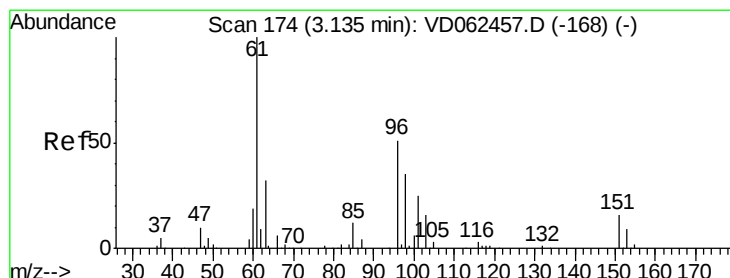
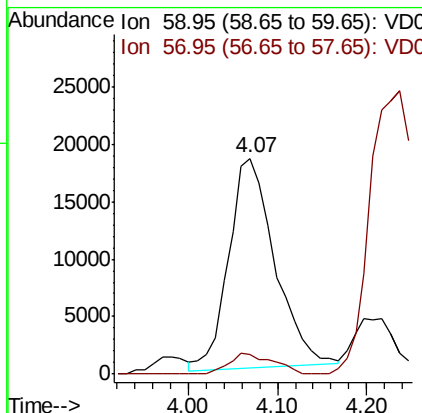
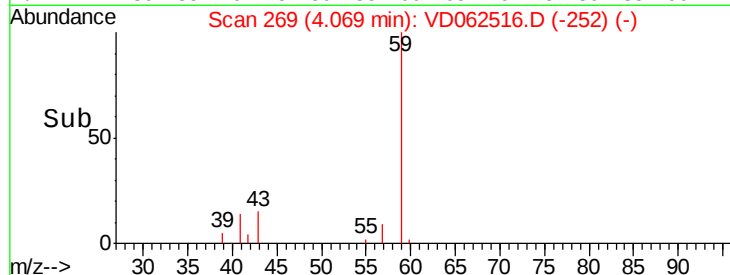
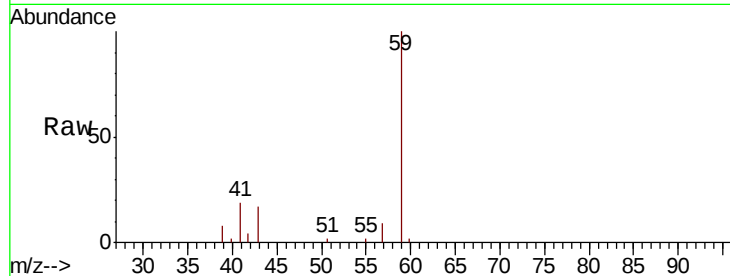


#11

Tert butyl alcohol
 Concen: 201.693 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.03 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

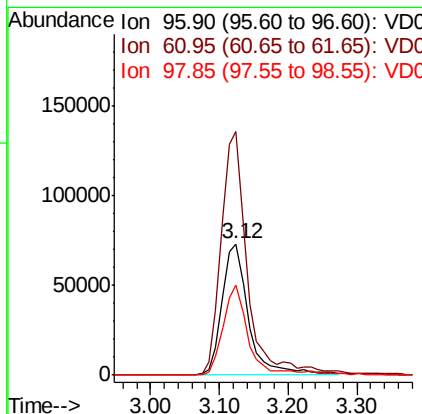
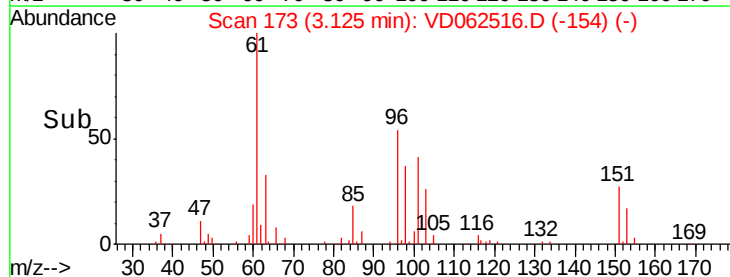
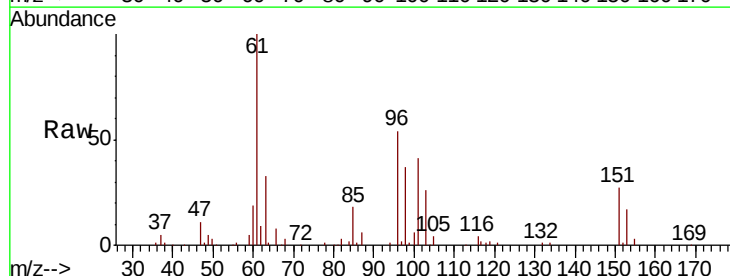
Tot Ion: 59 Resp: 65829
 Ion Ratio Lower Upper
 59 100
 57 9.2 6.9 10.3

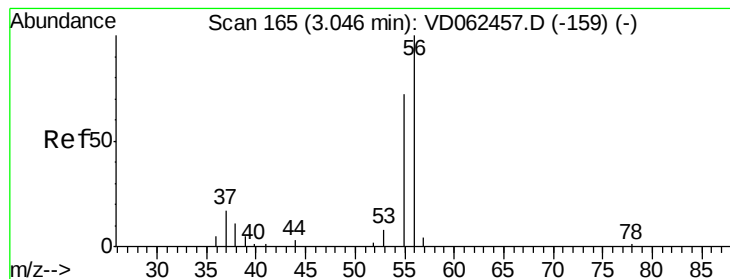


#12

1,1-Dichloroethene
 Concen: 40.049 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion: 96 Resp: 195920
 Ion Ratio Lower Upper
 96 100
 61 185.0 129.8 194.8
 98 68.0 51.2 76.8





#13

Acrolein

Concen: 252.605 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

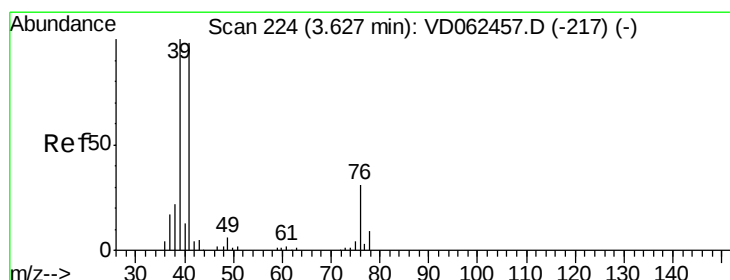
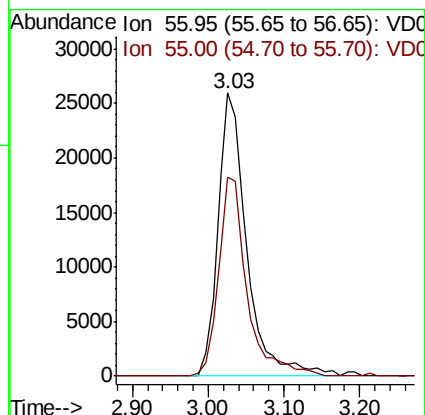
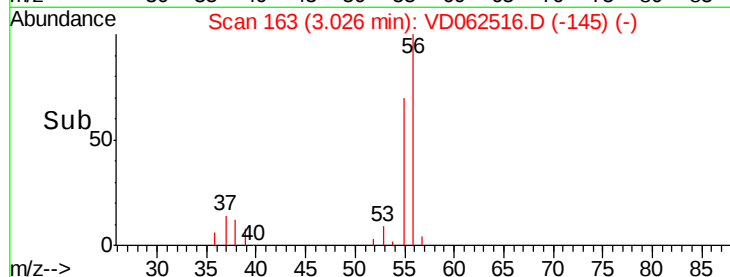
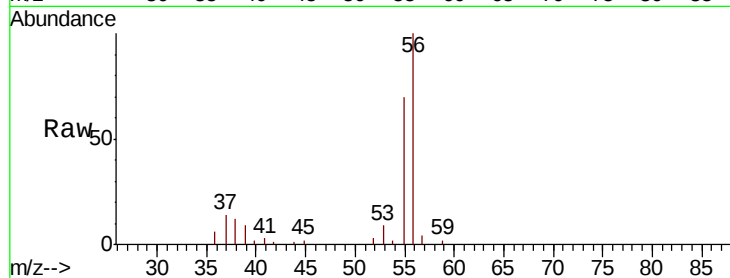
VSTDCCC050

Tot Ion: 56 Resp: 68467

Ion Ratio Lower Upper

56 100

55 70.5 51.4 77.2



#14

Allyl chloride

Concen: 46.068 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

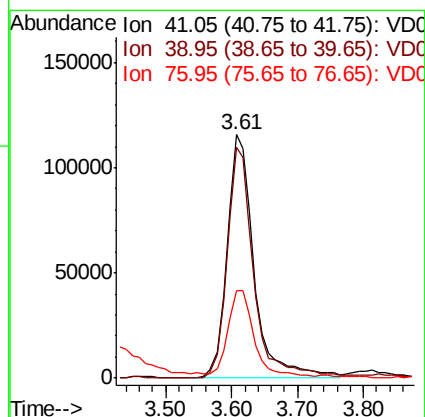
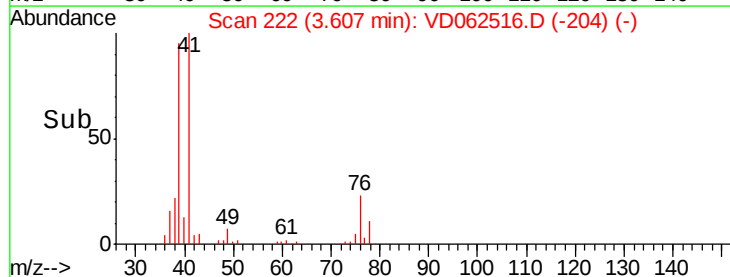
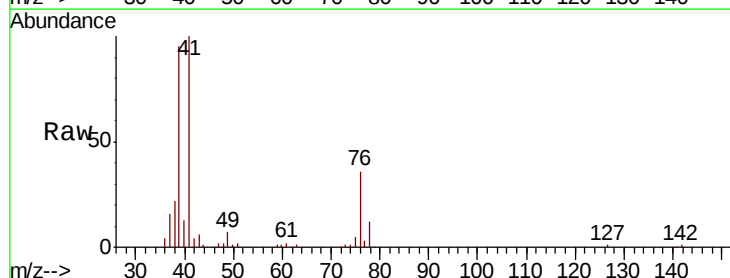
Tgt Ion: 41 Resp: 332288

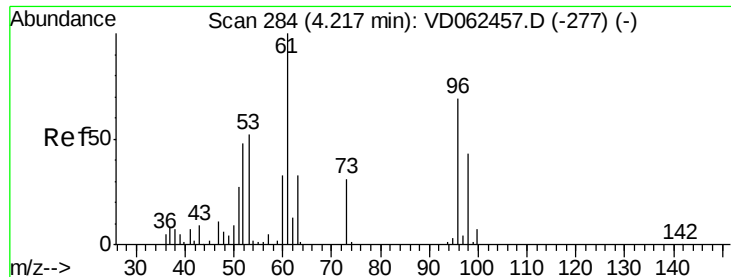
Ion Ratio Lower Upper

41 100

39 94.8 60.5 90.7#

76 35.7 31.8 47.8

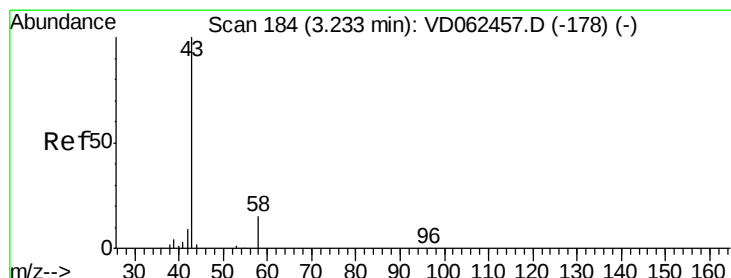
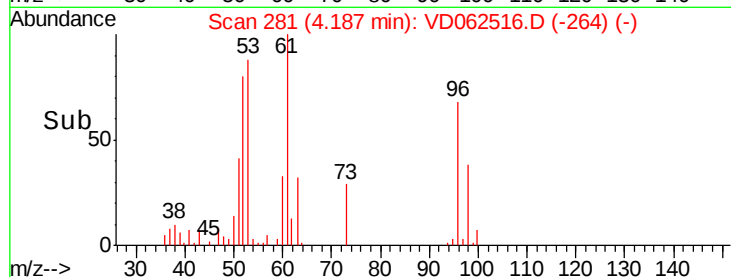
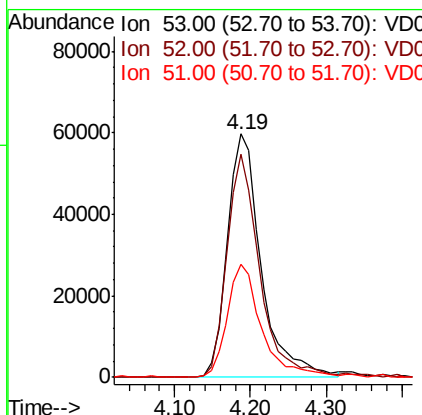
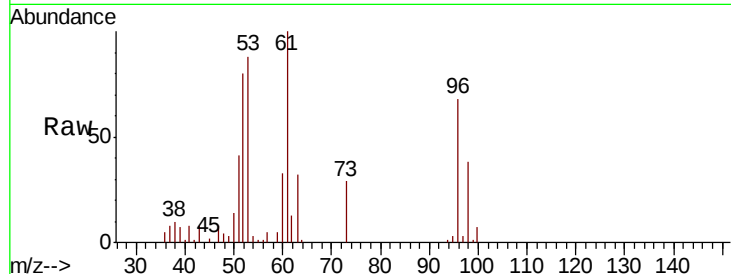




#15
 Acrylonitrile
 Concen: 247.049 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.03 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

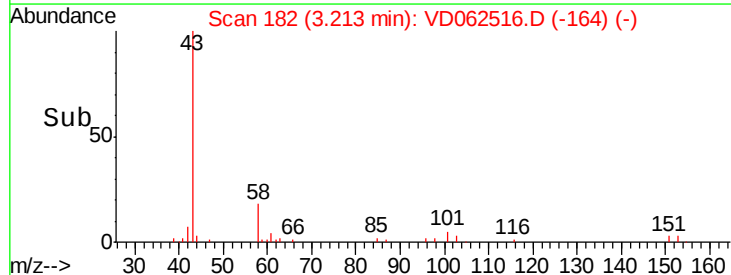
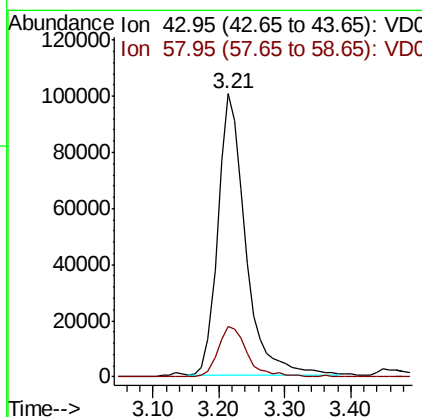
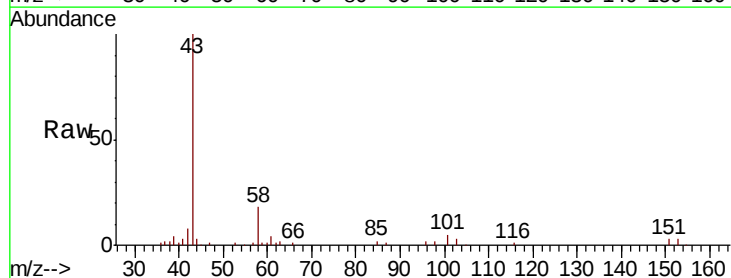
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

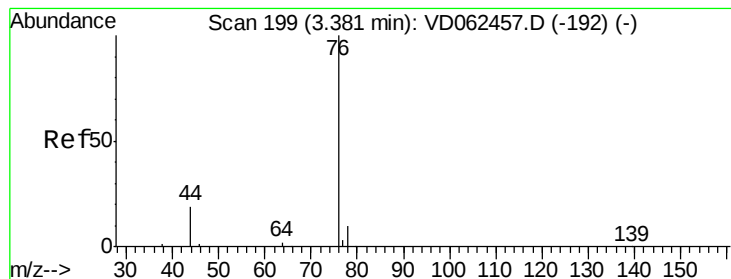
Tot Ion	53	Resp	184765
Ion Ratio	Lower	Upper	
53	100		
52	91.4	65.0	97.4
51	46.6	32.6	48.8



#16
 Acetone
 Concen: 229.145 ug/l
 RT: 3.21 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion	43	Resp	290349
Ion Ratio	Lower	Upper	
43	100		
58	17.8	19.9	29.9#





#17

Carbon Disulfide

Concen: 45.843 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

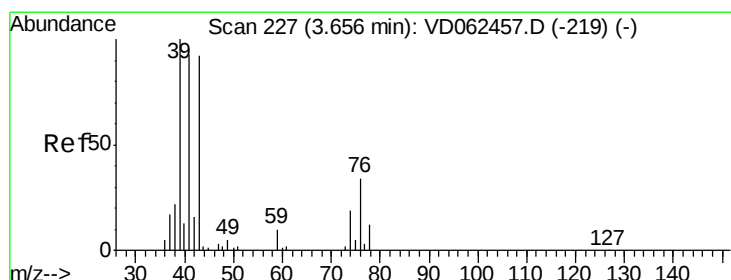
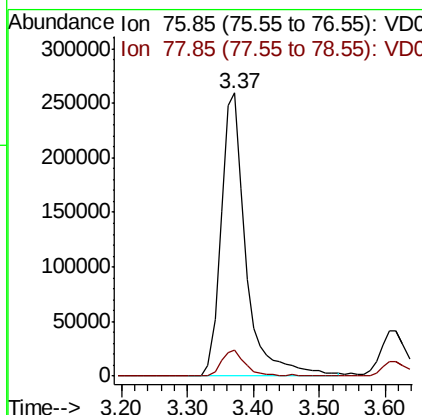
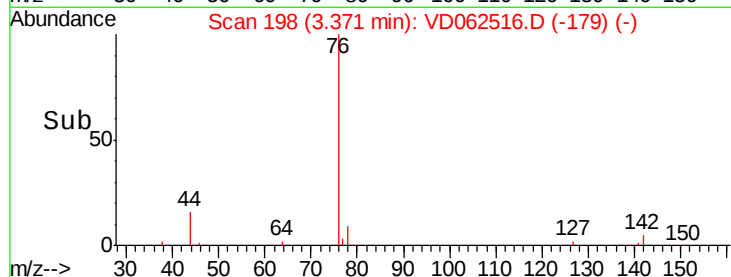
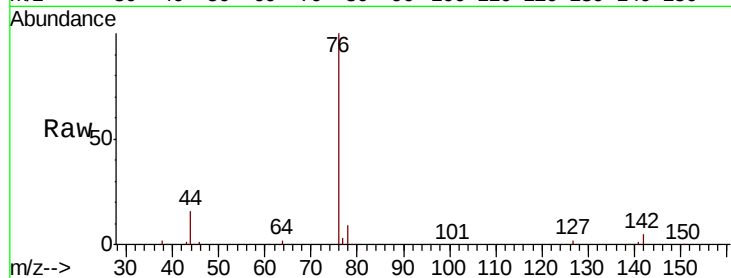
VSTDCCC050

Tot Ion: 76 Resp: 679189

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#18

Methyl Acetate

Concen: 42.166 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD062516.D

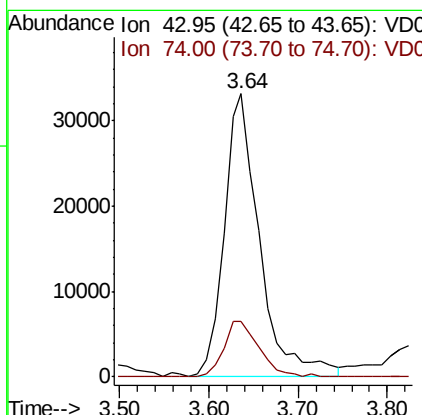
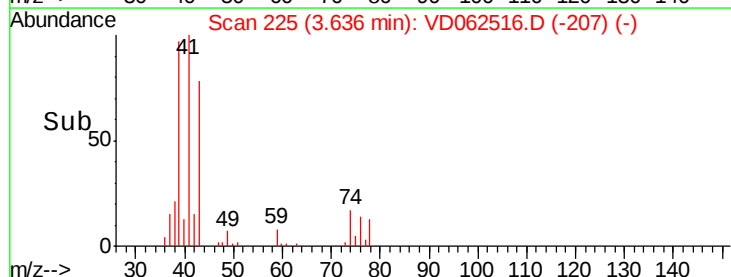
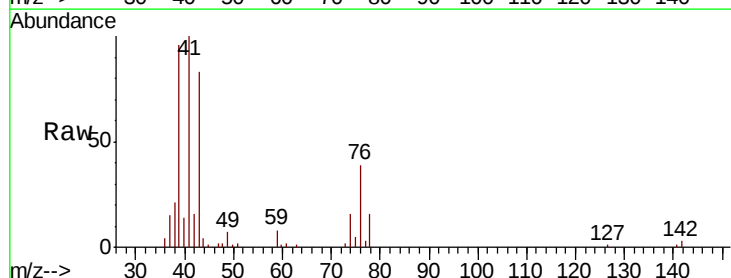
Acq: 23 May 2019 12:20

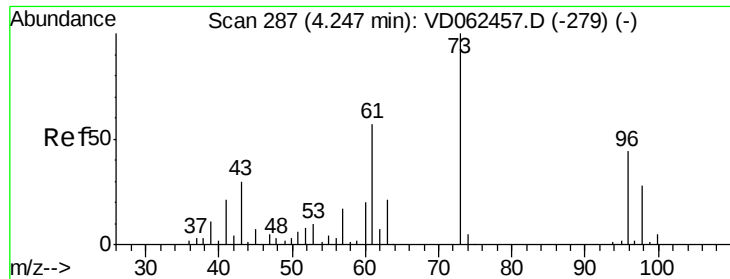
Tgt Ion: 43 Resp: 92194

Ion Ratio Lower Upper

43 100

74 19.8 18.0 27.0

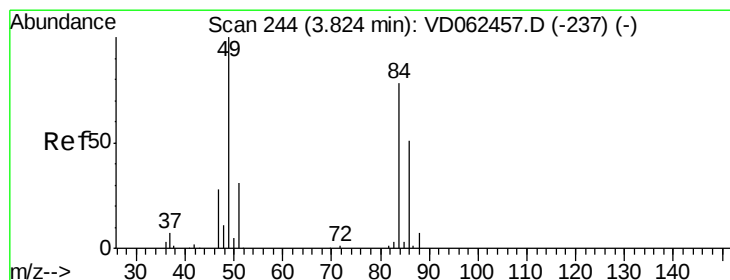
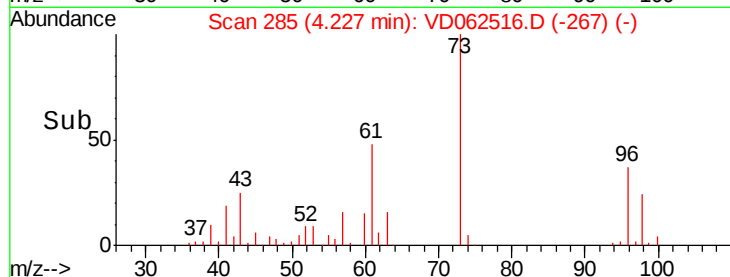
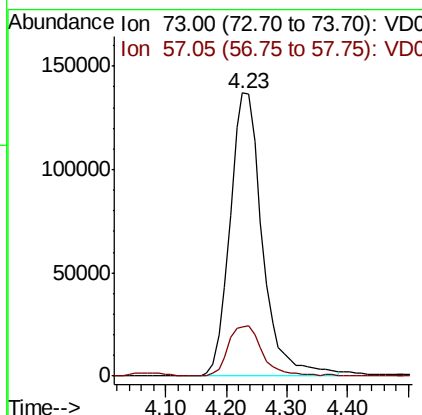
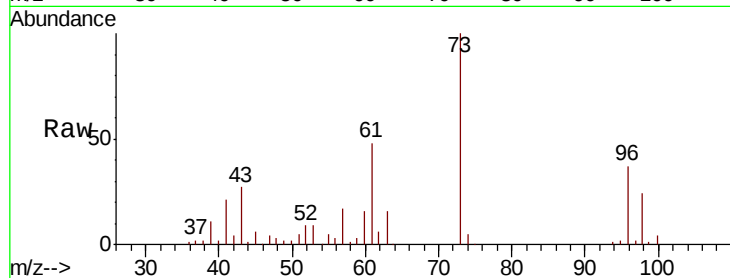




#19
Methvl tert-butvl Ether
Concen: 45.168 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

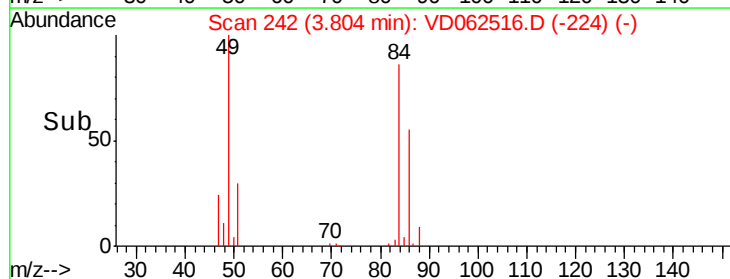
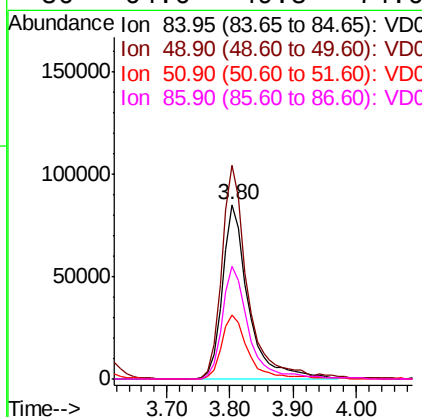
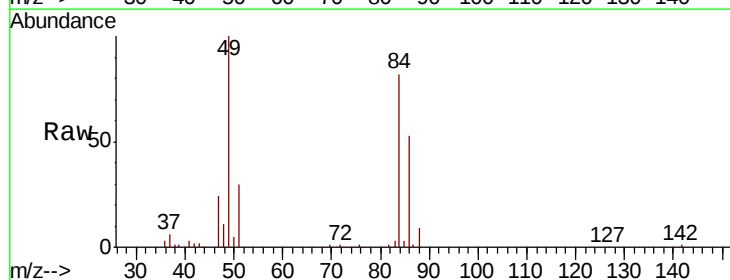
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

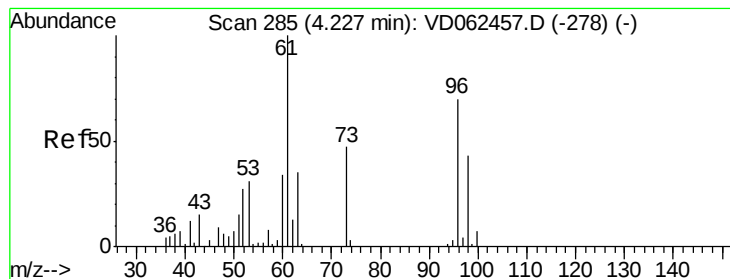
Tot Ion: 73 Resp: 510352
Ion Ratio Lower Upper
73 100
57 17.4 16.3 24.5



#20
Methylene Chloride
Concen: 44.620 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Tgt Ion: 84 Resp: 244867
Ion Ratio Lower Upper
84 100
49 122.4 94.0 141.0
51 36.9 29.0 43.4
86 64.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 46.938 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

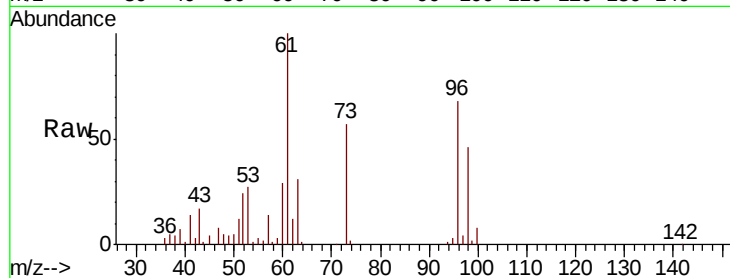
Tot Ion: 96 Resp: 268811

Ion Ratio Lower Upper

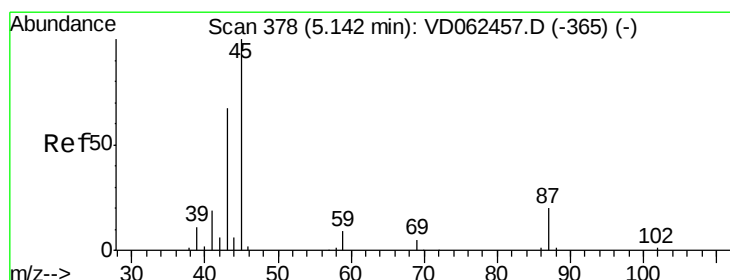
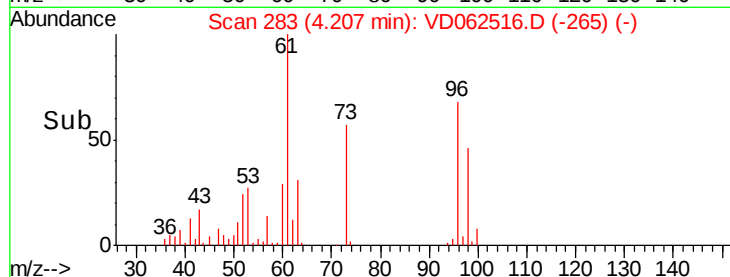
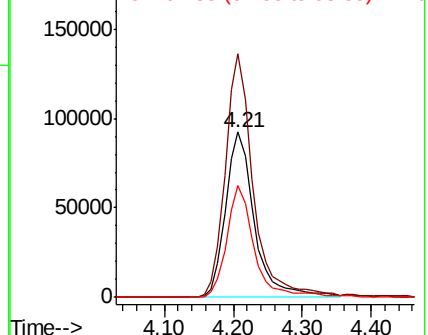
96 100

61 147.6 104.4 156.6

98 67.5 51.8 77.8



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



#22

Diisopropyl ether

Concen: 46.371 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Tgt Ion: 45 Resp: 711939

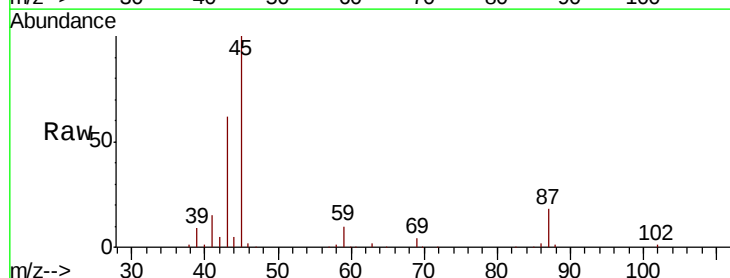
Ion Ratio Lower Upper

45 100

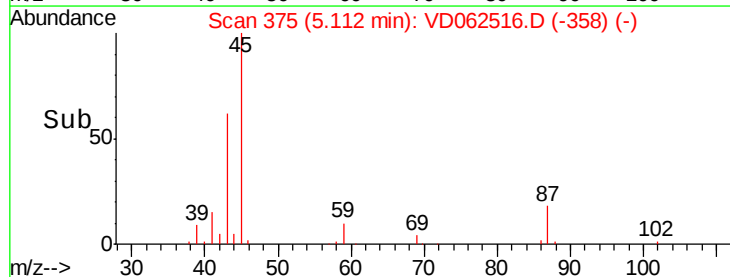
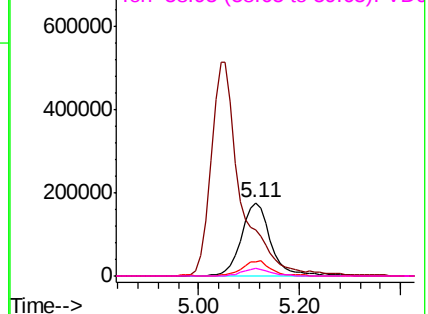
43 62.3 46.2 69.2

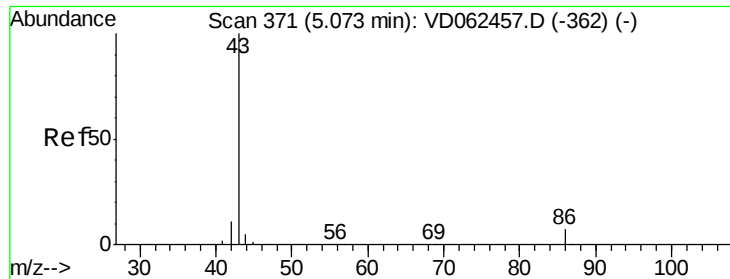
87 18.5 15.9 23.9

59 9.7 7.9 11.9



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





#23

Vinyl Acetate

Concen: 224.397 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

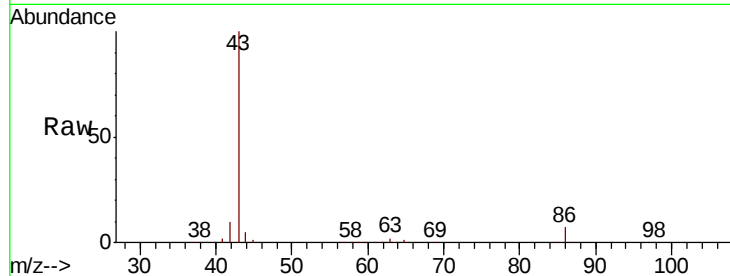
VSTDCCC050

Tot Ion: 43 Resp: 2081780

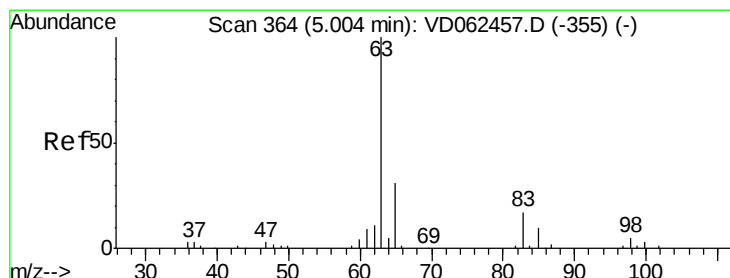
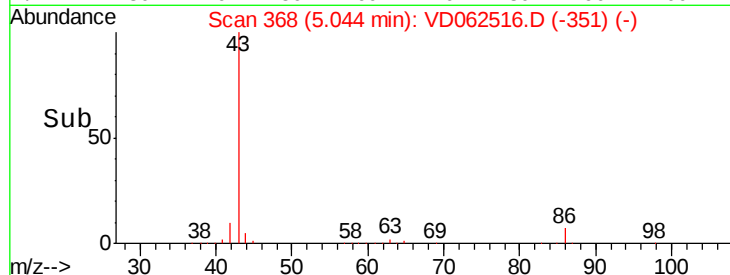
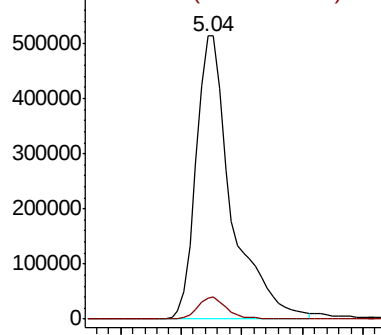
Ion Ratio Lower Upper

43 100

86 7.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 43.732 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

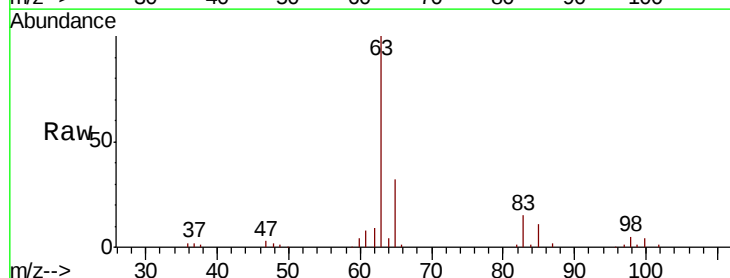
Tgt Ion: 63 Resp: 432426

Ion Ratio Lower Upper

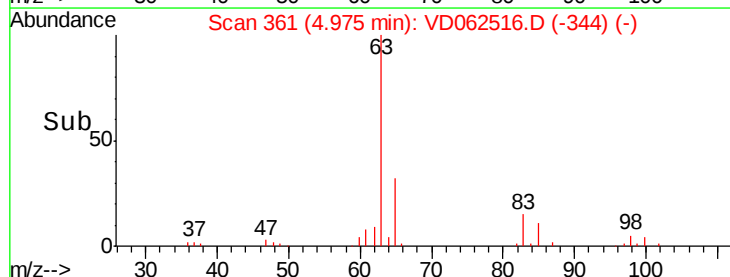
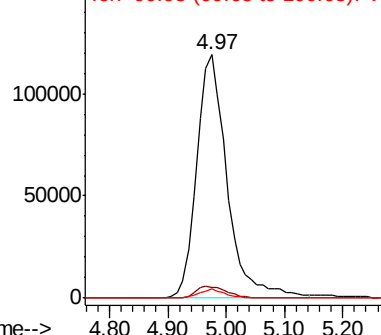
63 100

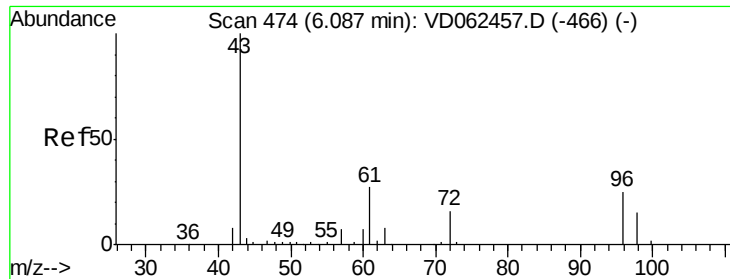
98 4.5 2.8 8.4

100 3.7 1.8 5.5



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: 218.058 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

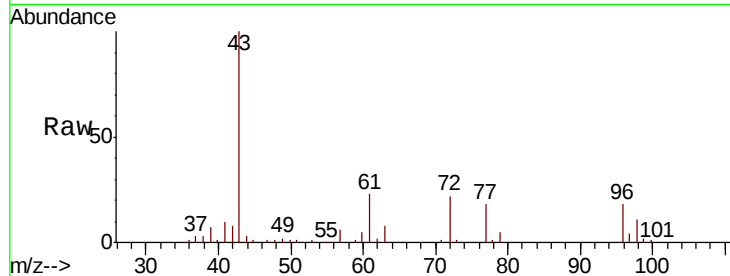
VSTDCCC050

Tot Ion: 43 Resp: 288984

Ion Ratio Lower Upper

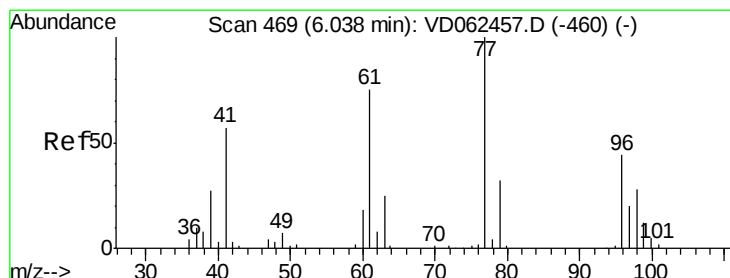
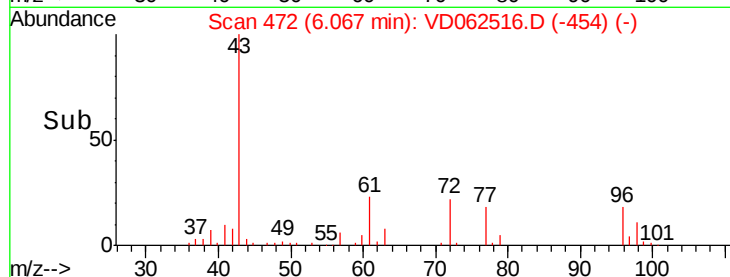
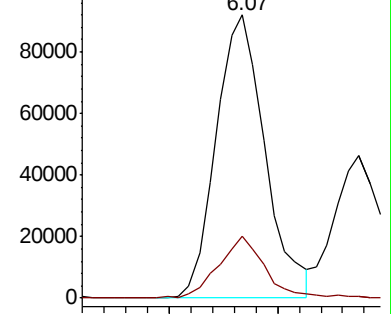
43 100

72 21.9 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 42.955 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD062516.D

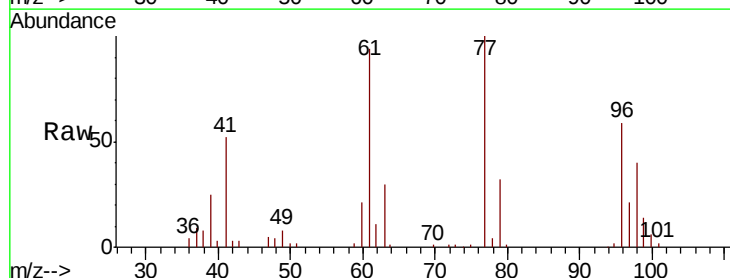
Acq: 23 May 2019 12:20

Tgt Ion: 77 Resp: 457854

Ion Ratio Lower Upper

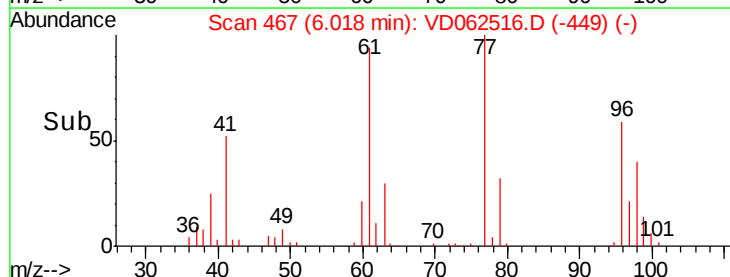
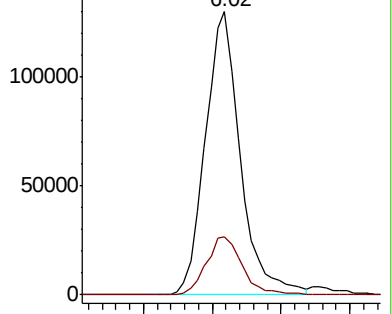
77 100

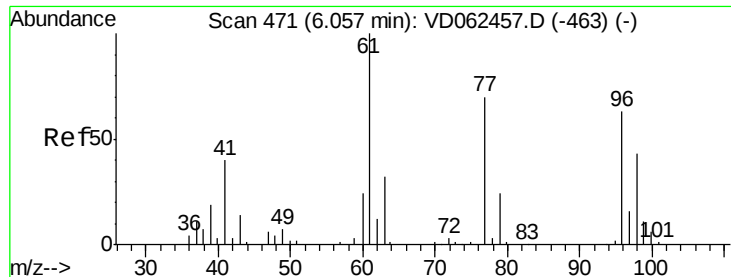
97 20.6 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



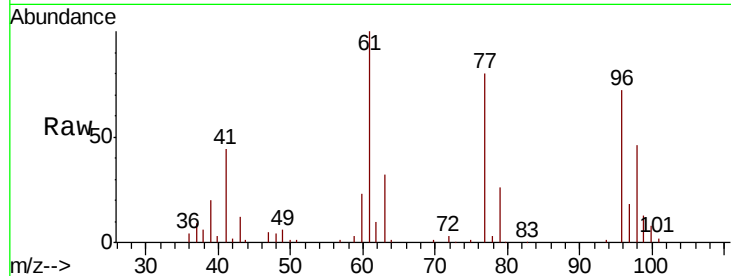


#27

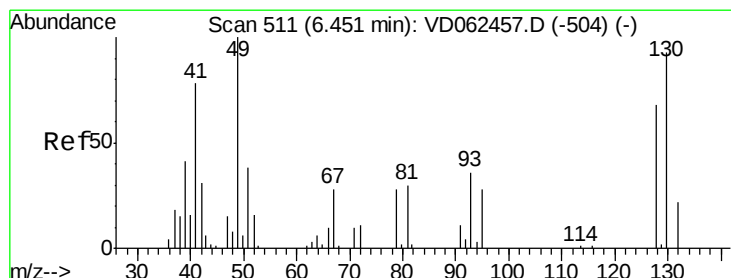
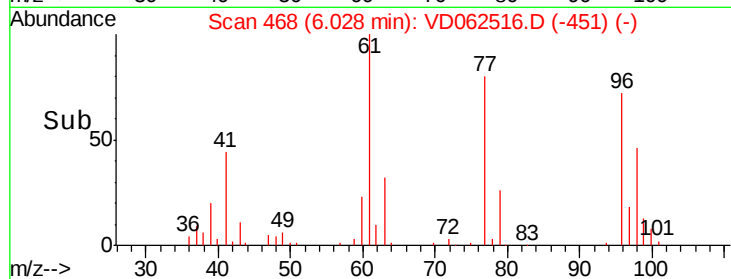
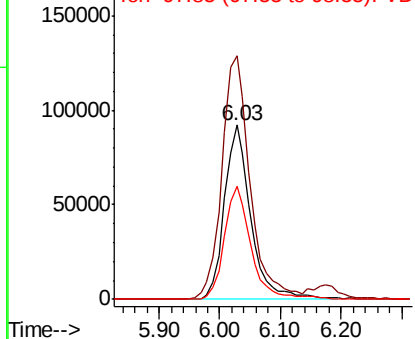
cis-1,2-Dichloroethene
 Concen: 44.959 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.03 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 277634
 Ion Ratio Lower Upper
 96 100
 61 139.7 0.0 279.8
 98 64.6 0.0 136.0



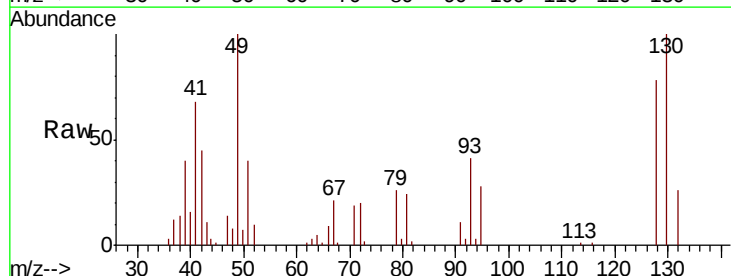
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



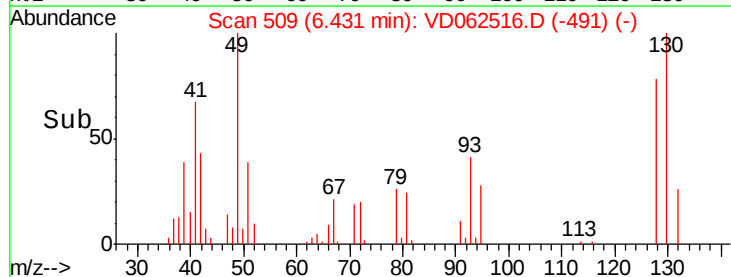
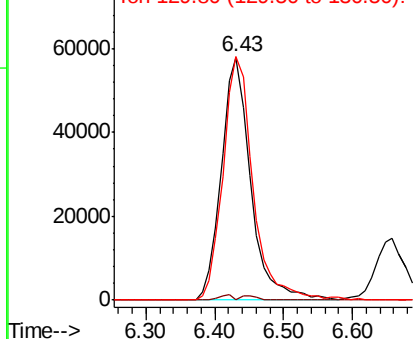
#28

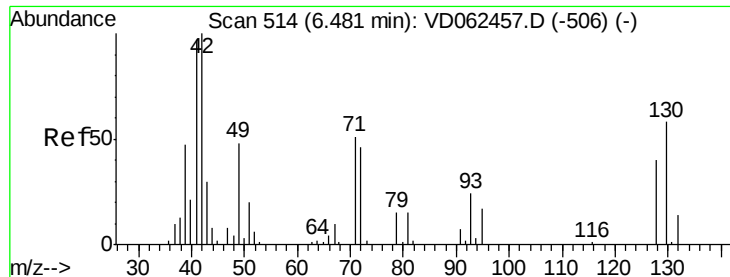
Bromochloromethane
 Concen: 48.260 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion: 49 Resp: 171270
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 100.5 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 224.665 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

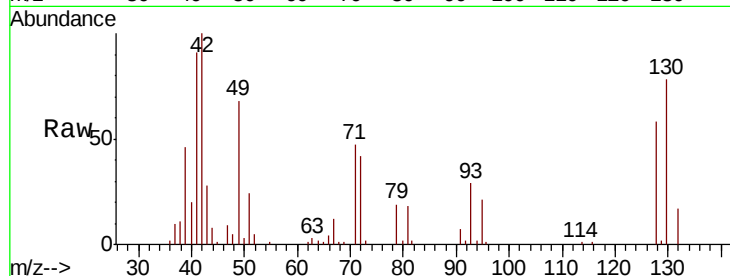
Tot Ion: 42 Resp: 142197

Ion Ratio Lower Upper

42 100

72 45.7 37.8 56.6

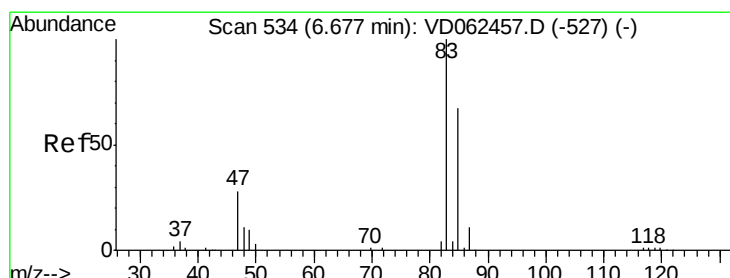
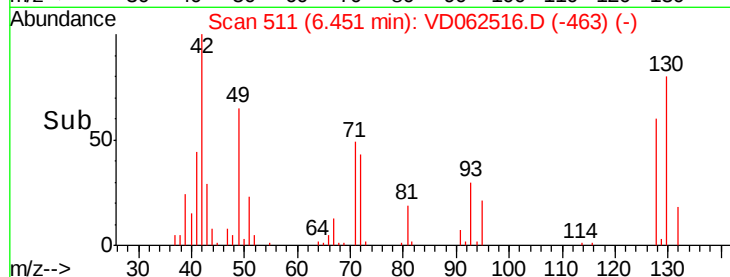
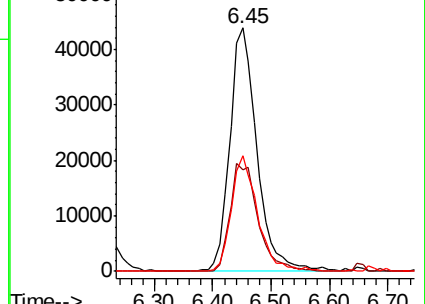
71 45.9 36.7 55.1



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: 40.337 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD062516.D

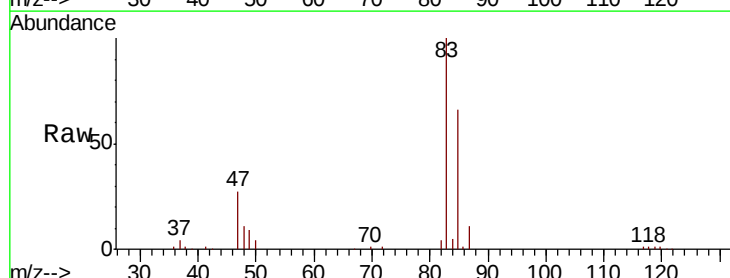
Acq: 23 May 2019 12:20

Tgt Ion: 83 Resp: 508491

Ion Ratio Lower Upper

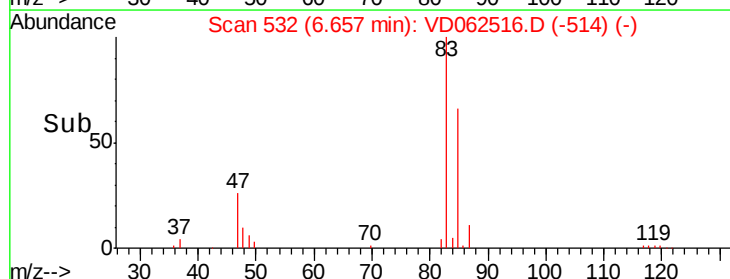
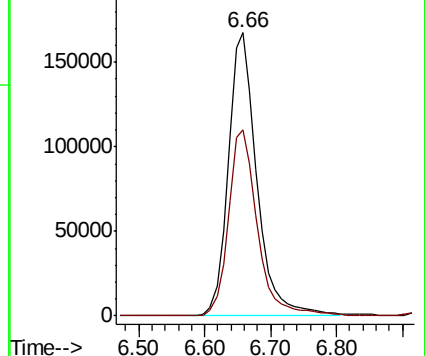
83 100

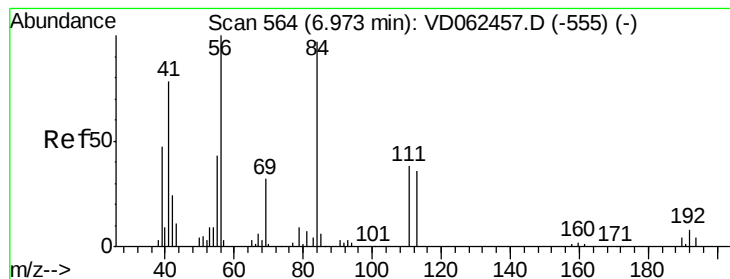
85 65.7 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 47.070 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

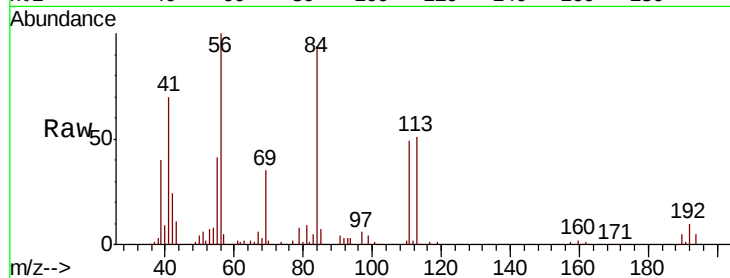
Tot Ion: 56 Resp: 314258

Ion Ratio Lower Upper

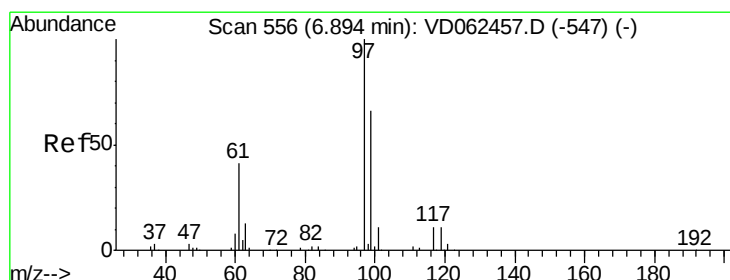
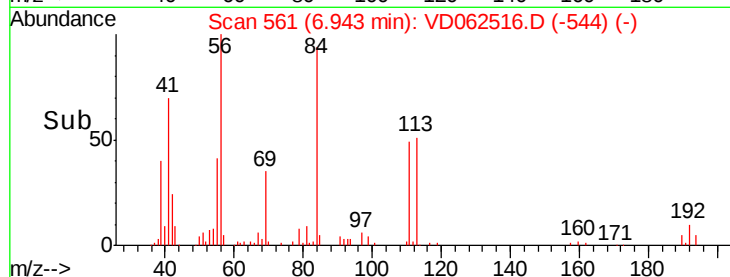
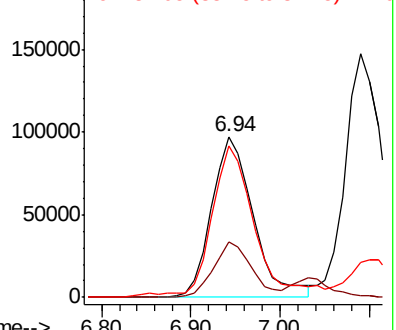
56 100

69 34.7 25.8 38.6

84 94.4 72.2 108.4



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: 39.278 ug/l

RT: 6.86 min Scan# 553

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

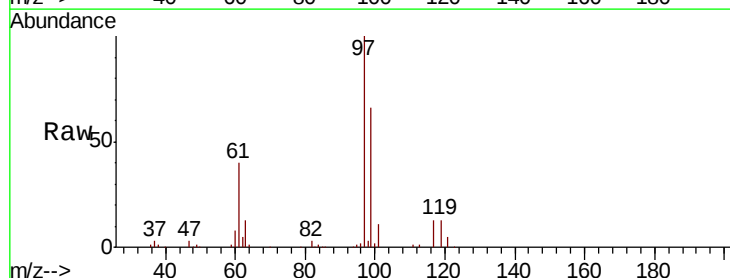
Tgt Ion: 97 Resp: 499898

Ion Ratio Lower Upper

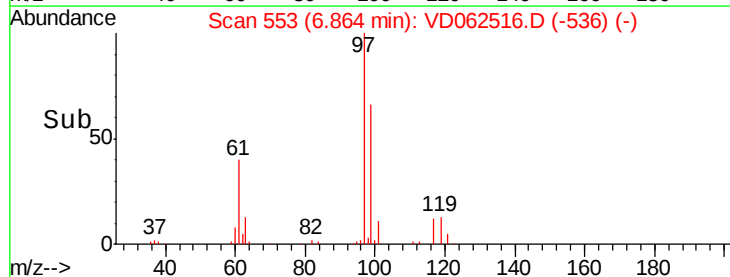
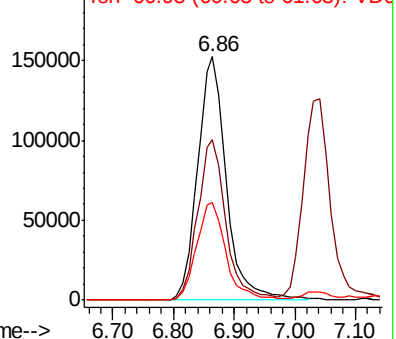
97 100

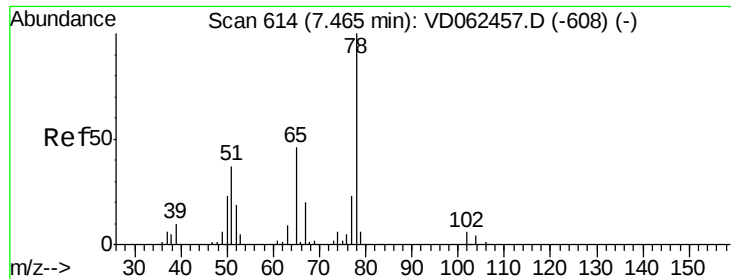
99 65.9 52.2 78.2

61 40.1 32.4 48.6



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: 45.598 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

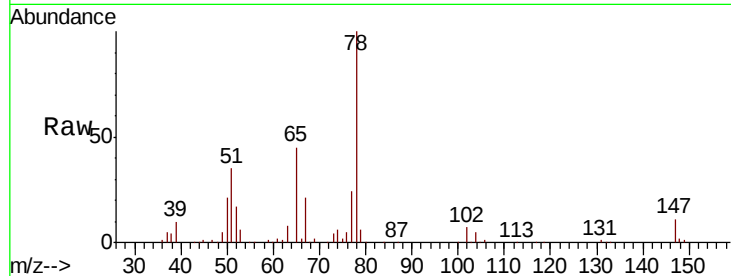
VSTDCCC050

Tot Ion: 65 Resp: 322420

Ion Ratio Lower Upper

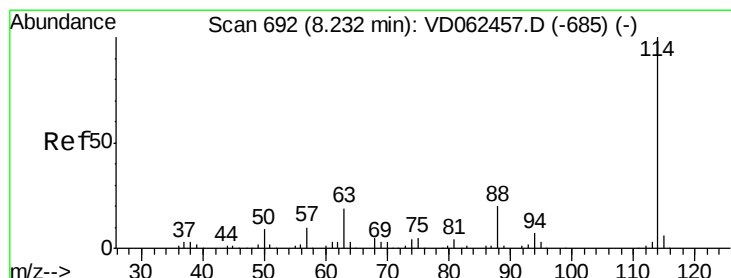
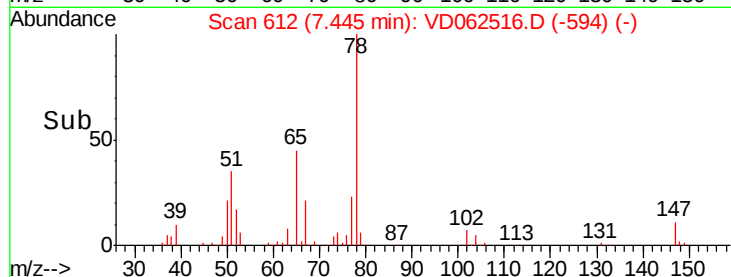
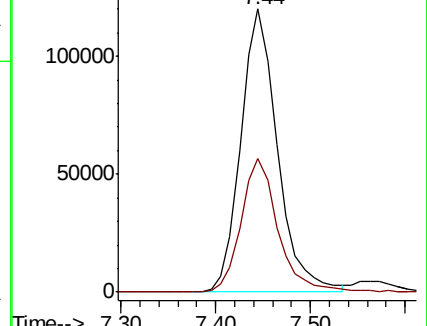
65 100

67 47.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

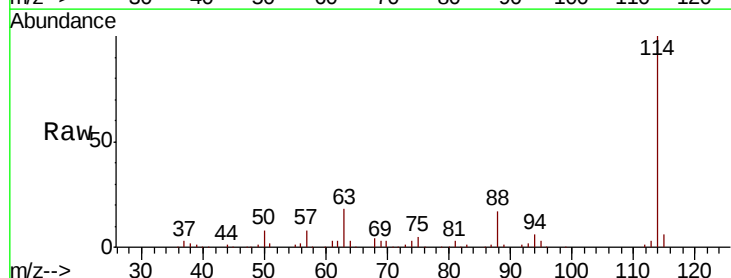
Tgt Ion: 114 Resp: 921191

Ion Ratio Lower Upper

114 100

63 17.6 0.0 32.4

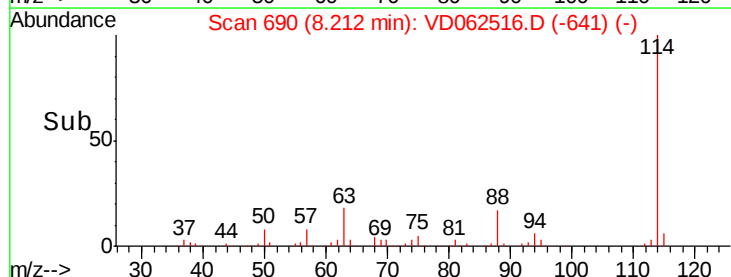
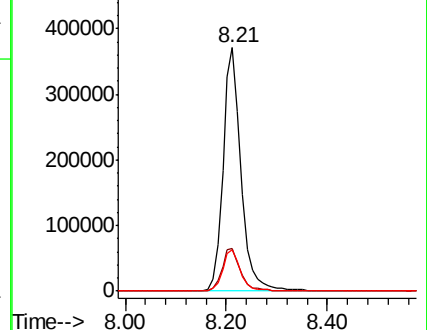
88 17.2 0.0 33.6

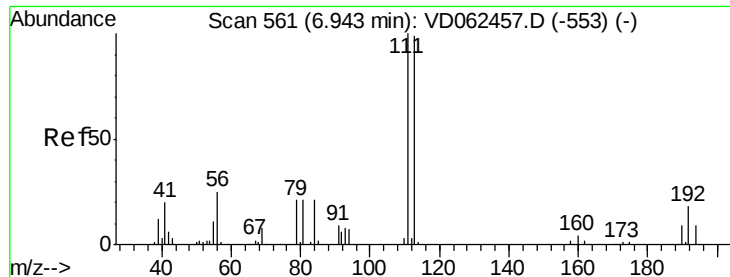


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 46.691 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

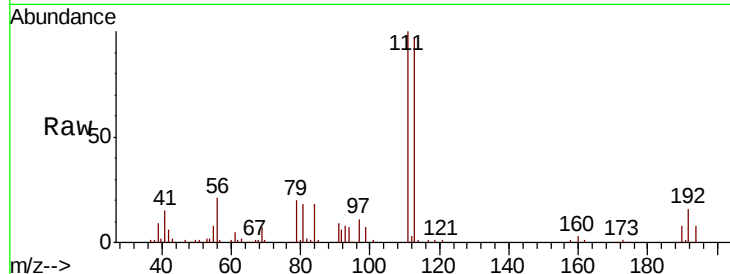
Tot Ion:113 Resp: 388014

Ion Ratio Lower Upper

113 100

111 103.0 78.5 117.7

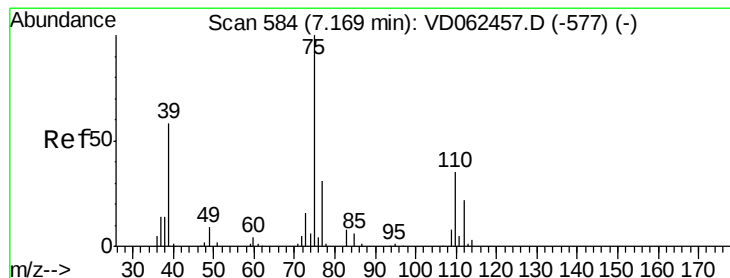
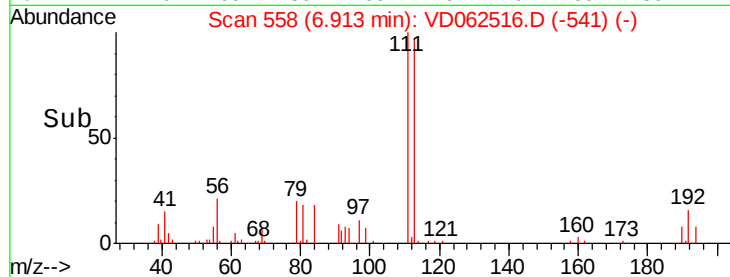
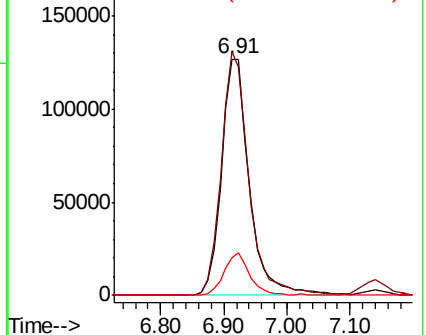
192 16.1 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 41.512 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

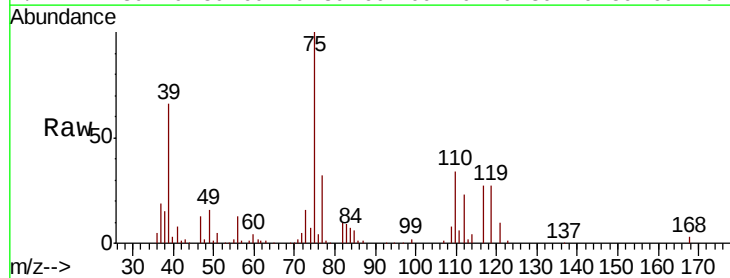
Tgt Ion: 75 Resp: 365605

Ion Ratio Lower Upper

75 100

110 33.8 19.1 57.1

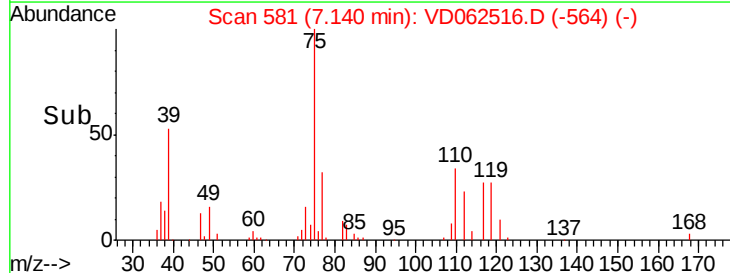
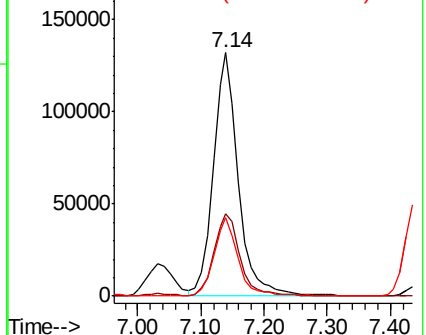
77 32.1 25.6 38.4

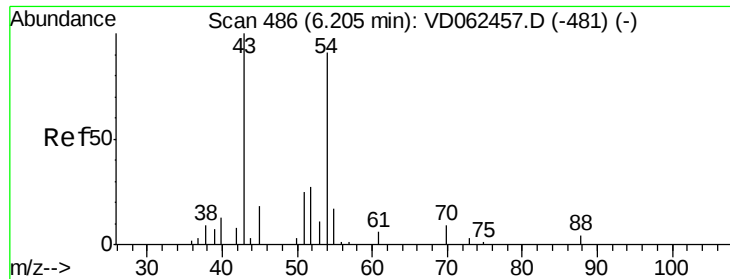


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 43.832 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

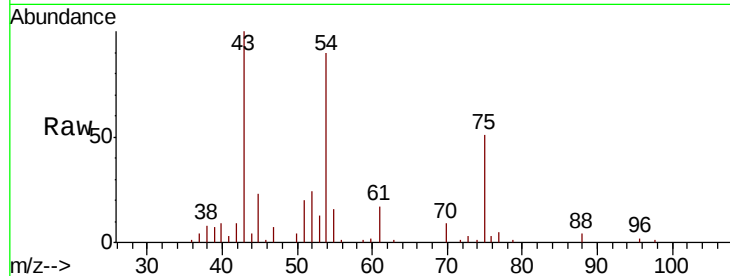
Tot Ion: 43 Resp: 149967

Ion Ratio Lower Upper

43 100

61 16.7 14.7 22.1

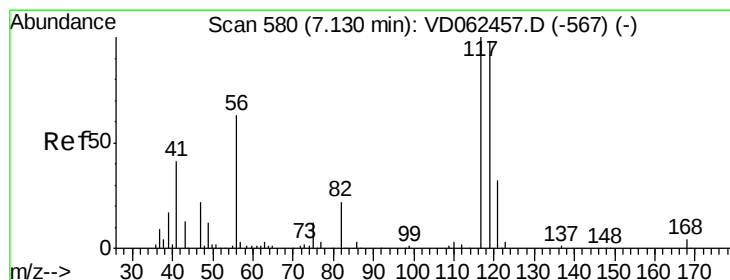
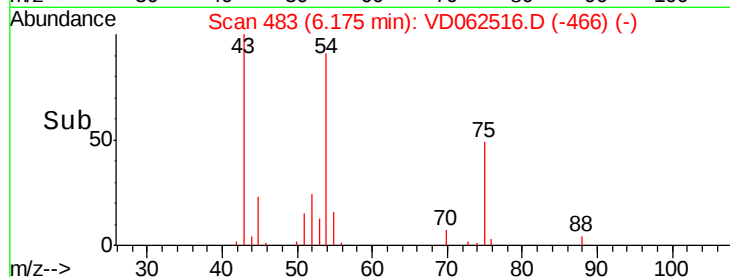
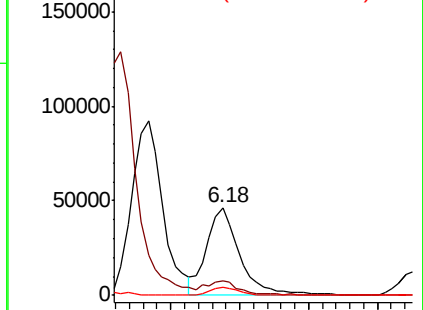
70 8.7 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 42.517 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

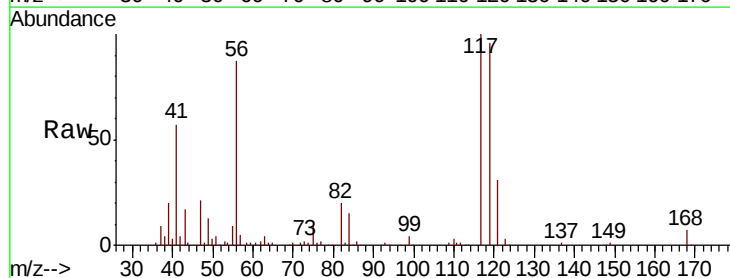
Tgt Ion: 117 Resp: 556519

Ion Ratio Lower Upper

117 100

119 95.8 75.8 113.8

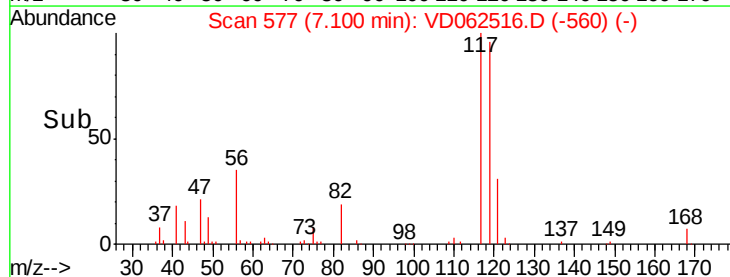
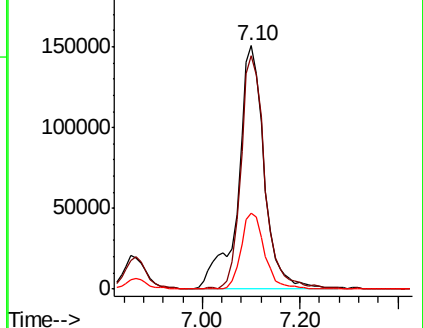
121 31.0 25.9 38.9

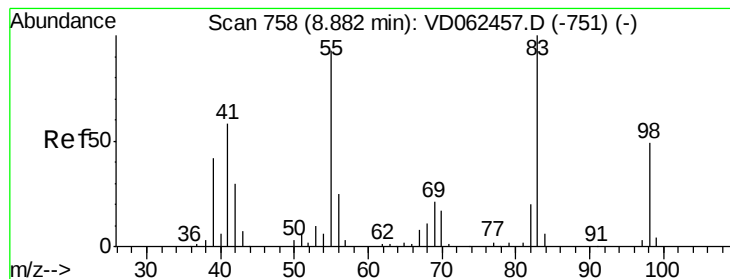


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 43.395 ug/l

RT: 8.86 min Scan# 756

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

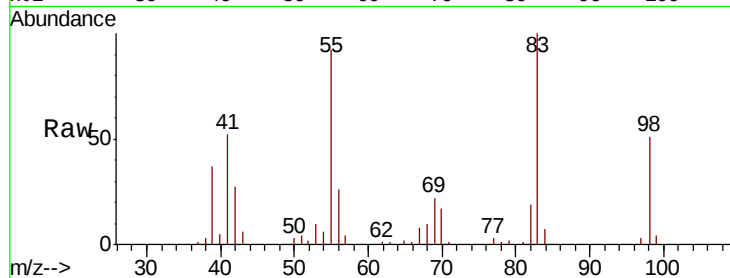
Tot Ion: 83 Resp: 315227

Ion Ratio Lower Upper

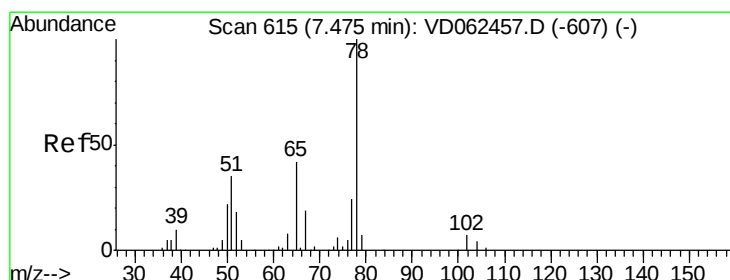
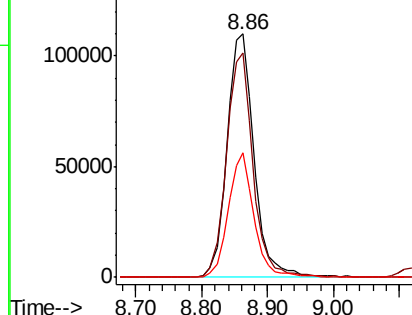
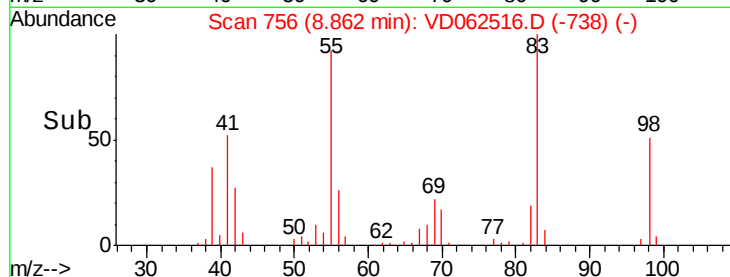
83 100

55 92.0 68.2 102.4

98 50.9 38.2 57.4



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



#40

Benzene

Concen: 43.704 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.03 min

Lab File: VD062516.D

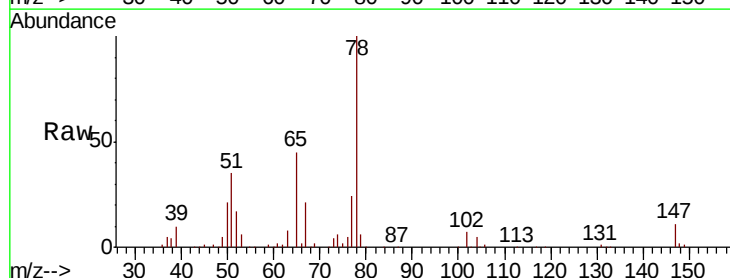
Acq: 23 May 2019 12:20

Tgt Ion: 78 Resp: 755012

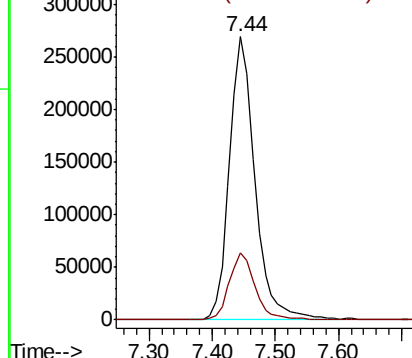
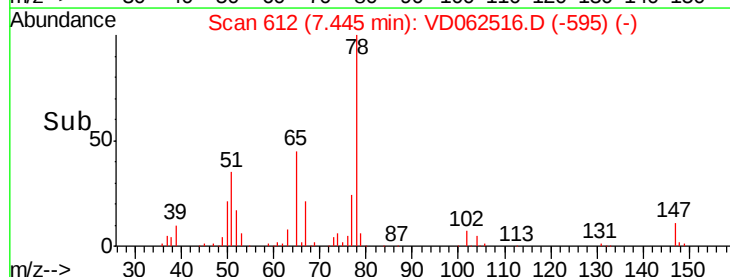
Ion Ratio Lower Upper

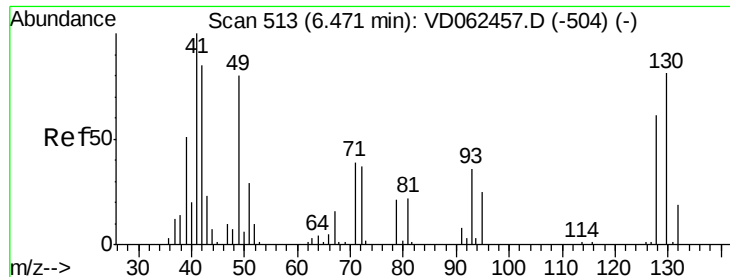
78 100

77 23.7 19.7 29.5



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

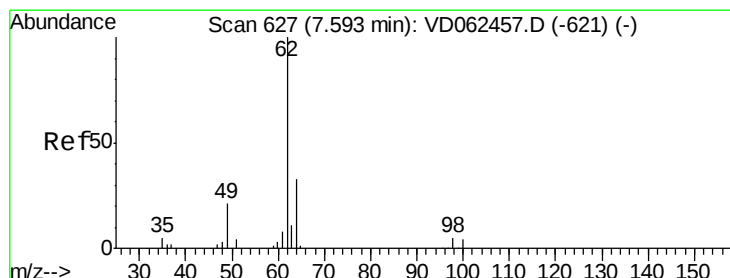
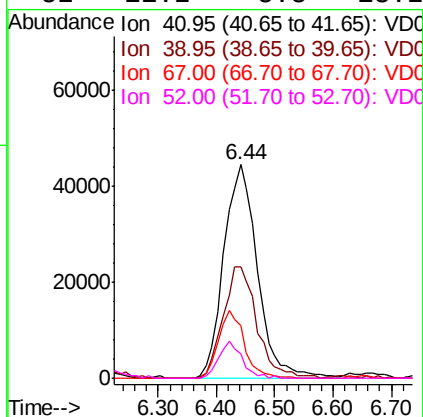
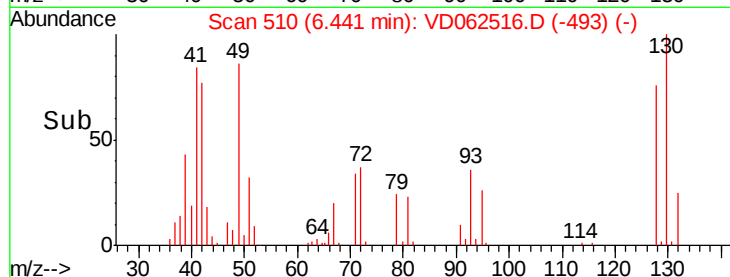
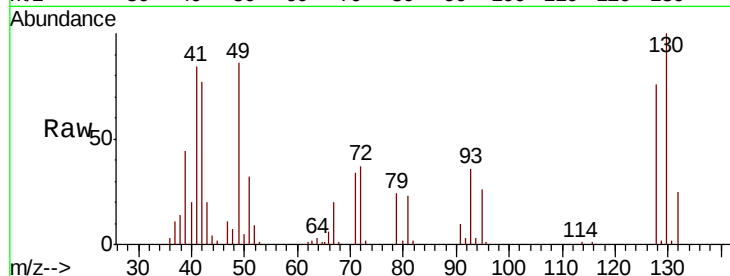




#41
Methacrylonitrile
Concen: 41.588 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

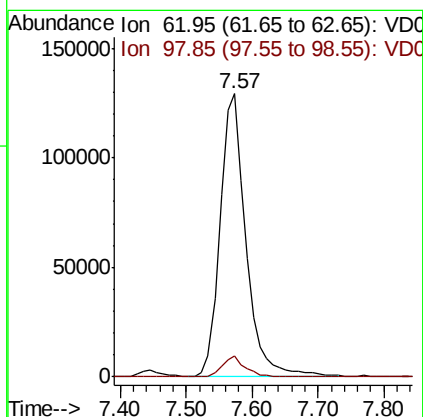
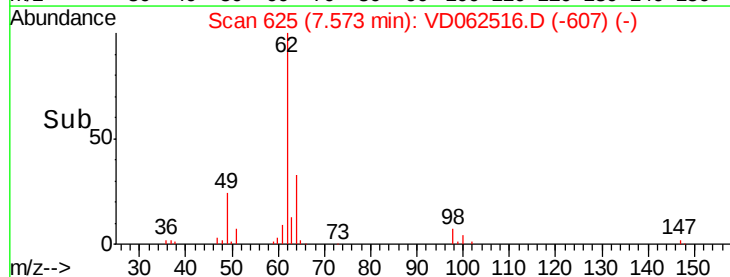
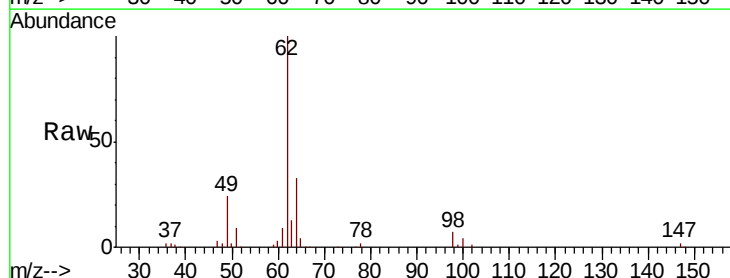
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

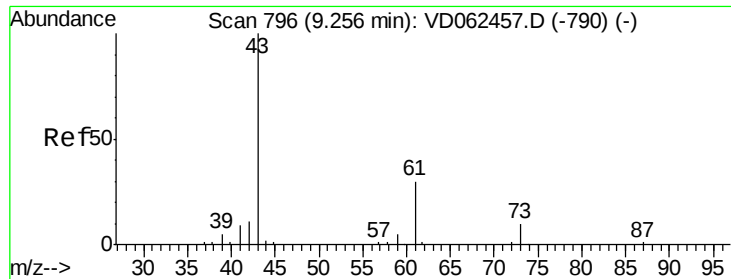
Tot Ion: 41 Resp: 178709
Ion Ratio Lower Upper
41 100
39 52.4 34.1 51.1#
67 24.5 23.8 35.6
52 11.2 8.8 13.2



#42
1,2-Dichloroethane
Concen: 38.779 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.02 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Tgt Ion: 62 Resp: 354745
Ion Ratio Lower Upper
62 100
98 7.4 0.0 17.8





#43

Isopropyl Acetate

Concen: 45.212 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

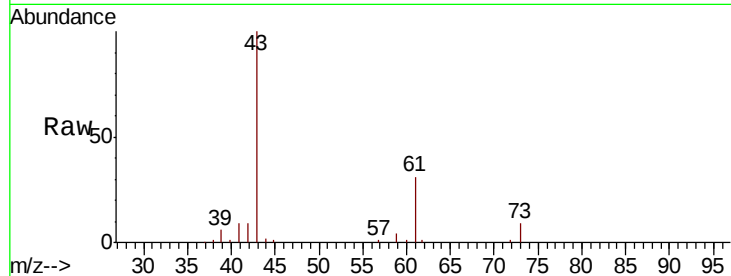
Tot Ion: 43 Resp: 205215

Ion Ratio Lower Upper

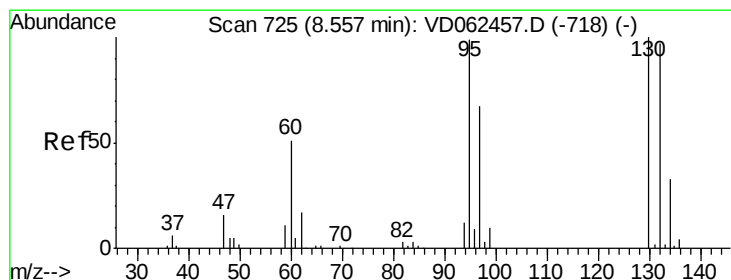
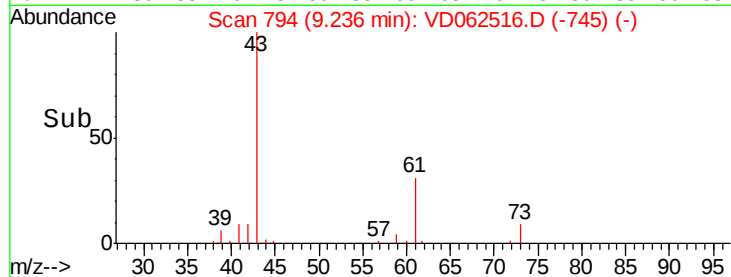
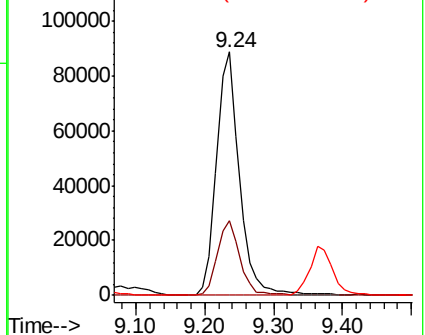
43 100

61 30.6 25.1 37.7

87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 45.253 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.02 min

Lab File: VD062516.D

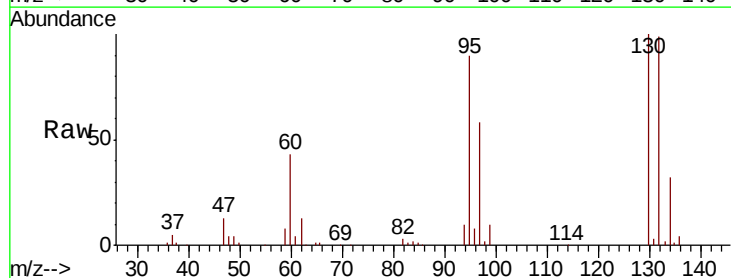
Acq: 23 May 2019 12:20

Tgt Ion: 130 Resp: 313012

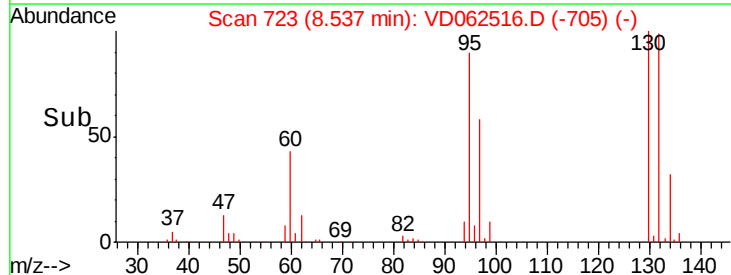
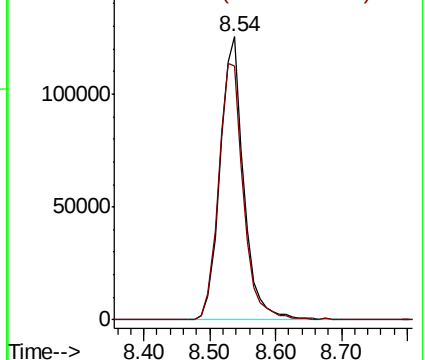
Ion Ratio Lower Upper

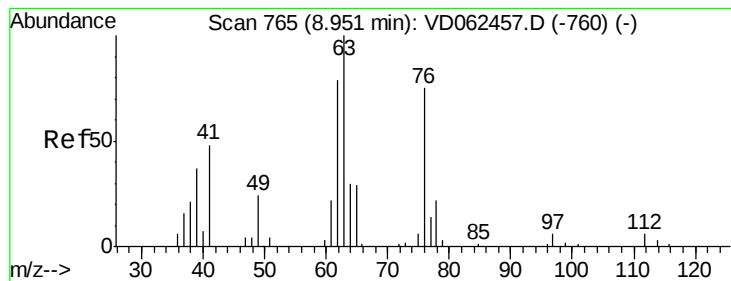
130 100

95 89.8 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 43.822 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

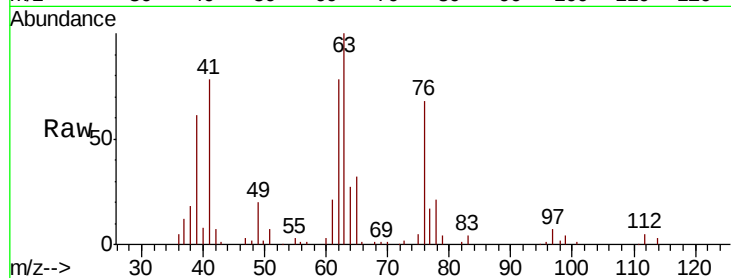
VSTDCCC050

Tot Ion: 63 Resp: 184491

Ion Ratio Lower Upper

63 100

65 32.4 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

80000

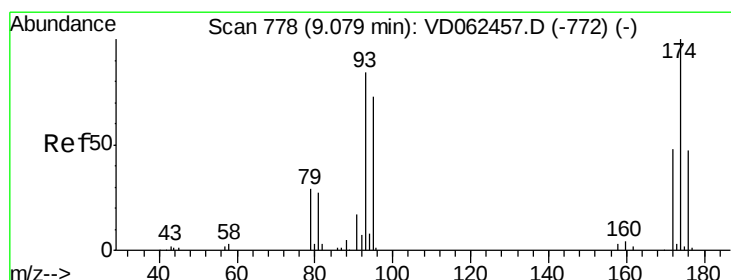
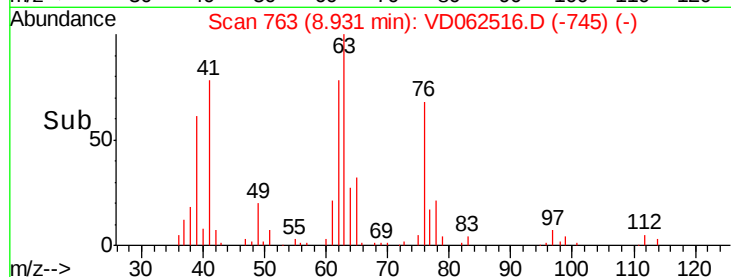
60000

40000

20000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 39.884 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

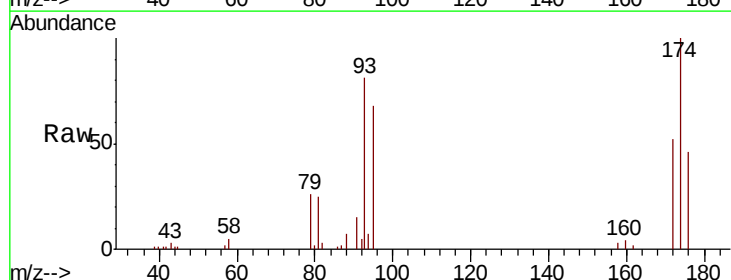
Tgt Ion: 93 Resp: 152204

Ion Ratio Lower Upper

93 100

95 84.7 64.8 97.2

174 124.1 79.3 118.9#



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

100000

80000

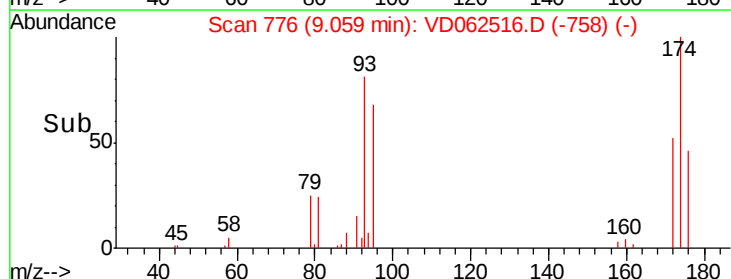
60000

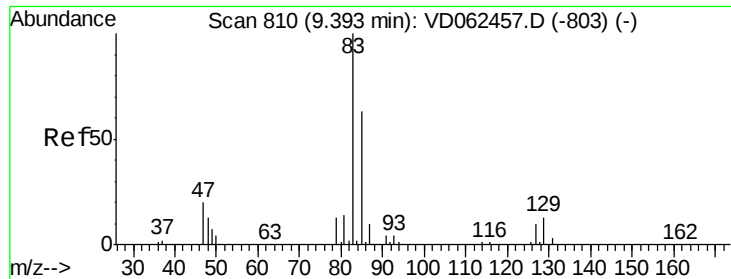
40000

20000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 40.339 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

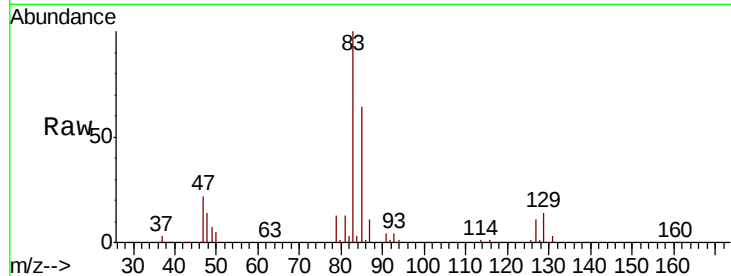
Tot Ion: 83 Resp: 391618

Ion Ratio Lower Upper

83 100

85 63.6 50.9 76.3

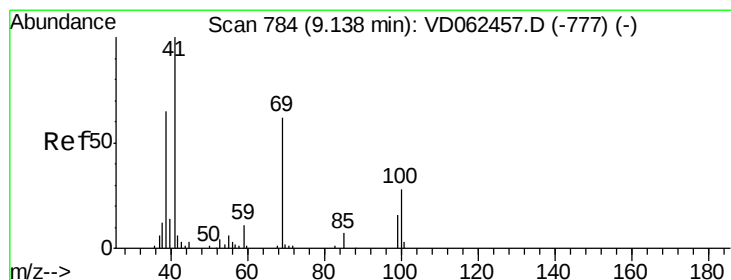
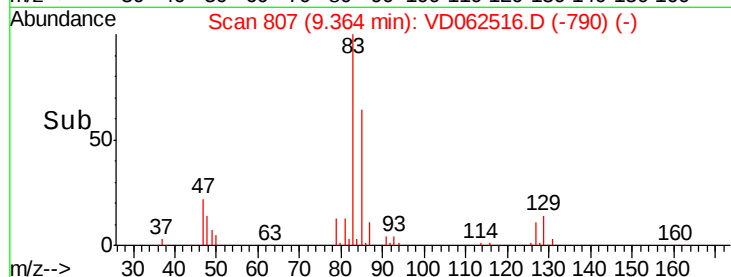
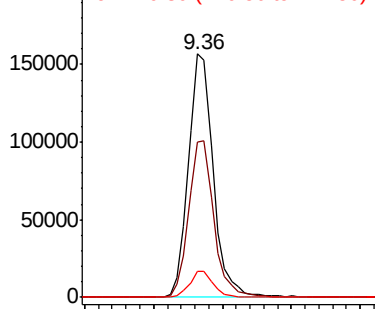
127 10.7 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 41.067 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

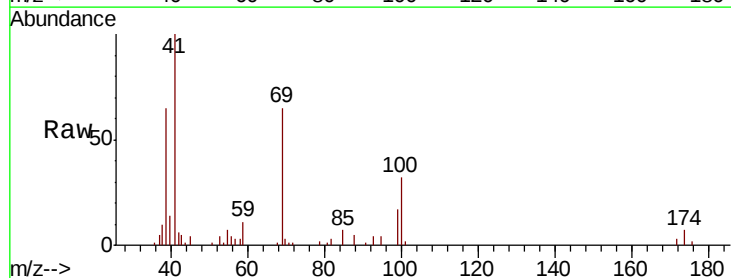
Tgt Ion: 41 Resp: 125439

Ion Ratio Lower Upper

41 100

69 64.8 64.2 96.2

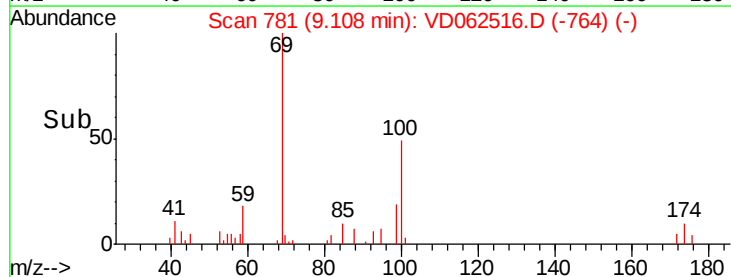
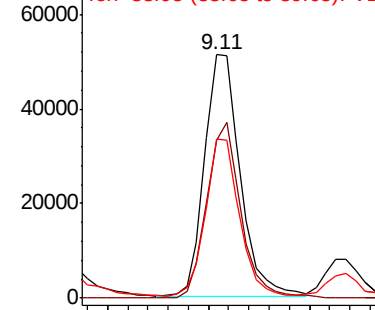
39 65.4 46.8 70.2

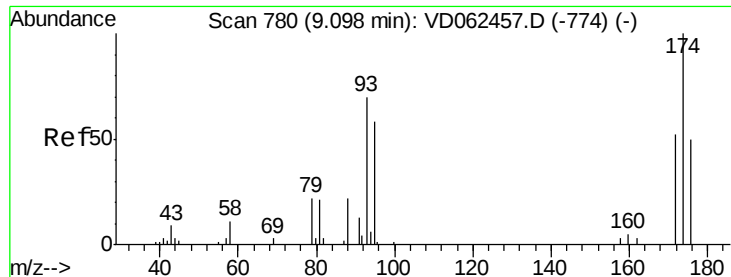


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

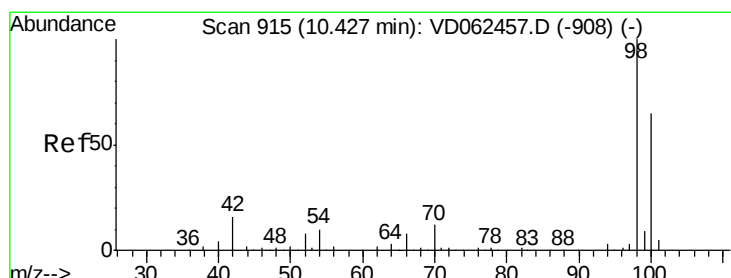
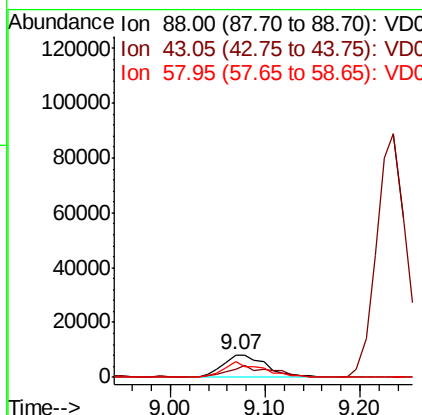
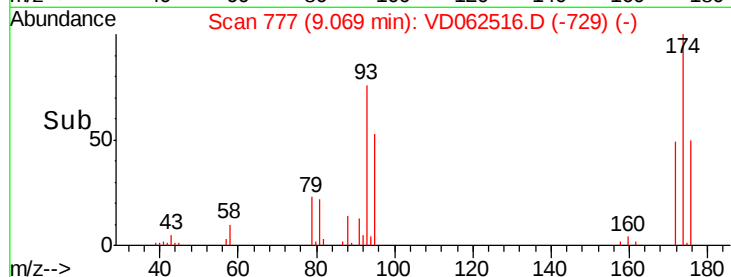
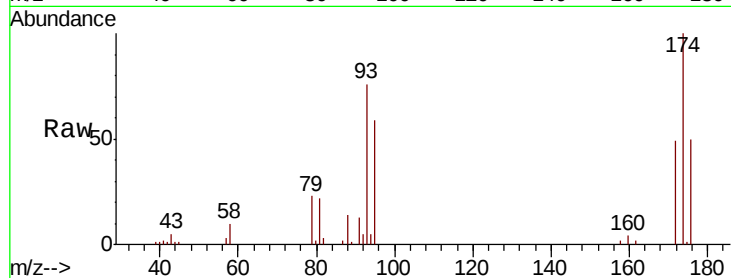




#49
 1,4-Dioxane
 Concen: 942.201 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

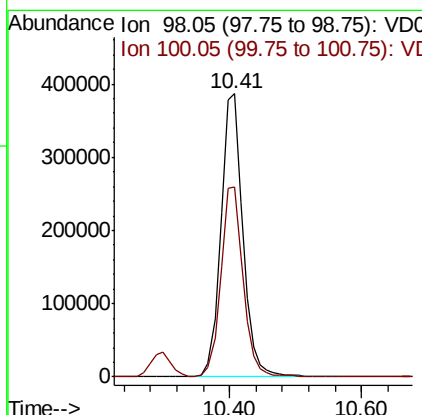
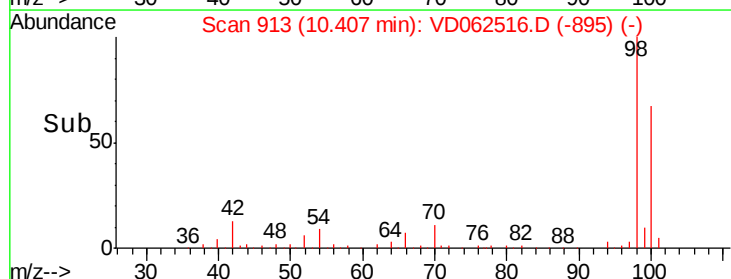
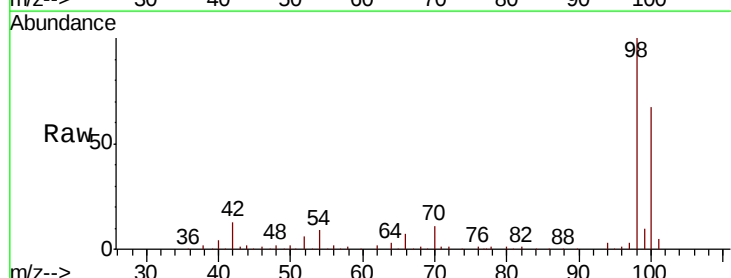
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

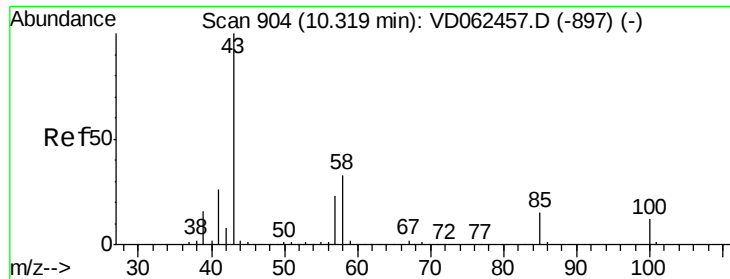
Tot Ion: 88 Resp: 25814
 Ion Ratio Lower Upper
 88 100
 43 34.4 23.4 35.0
 58 67.6 44.0 66.0#



#50
 Toluene-d8
 Concen: 49.470 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion: 98 Resp: 899664
 Ion Ratio Lower Upper
 98 100
 100 67.0 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 204.801 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.03 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

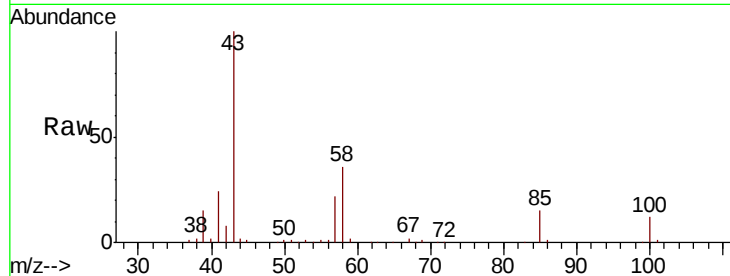
VSTDCCC050

Tot Ion: 43 Resp: 614096

Ion Ratio Lower Upper

43 100

58 35.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

250000

200000

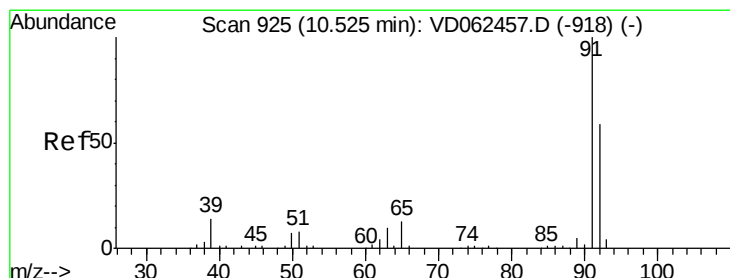
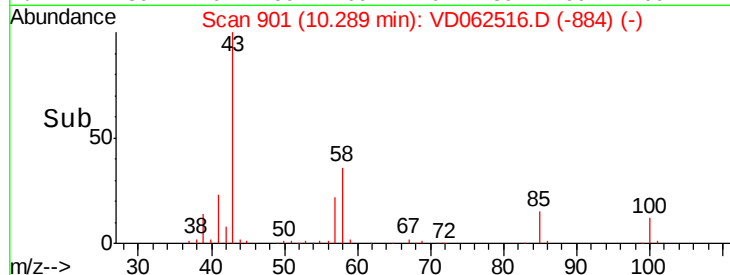
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 45.923 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD062516.D

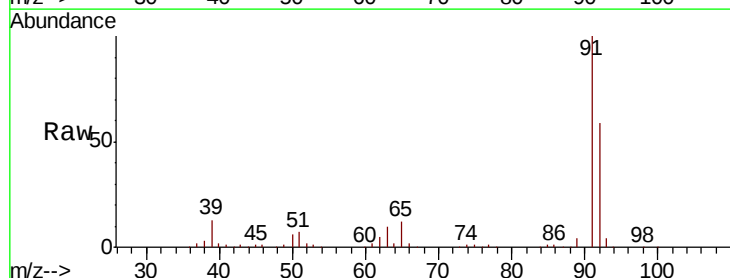
Acq: 23 May 2019 12:20

Tgt Ion: 92 Resp: 543104

Ion Ratio Lower Upper

92 100

91 170.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

400000

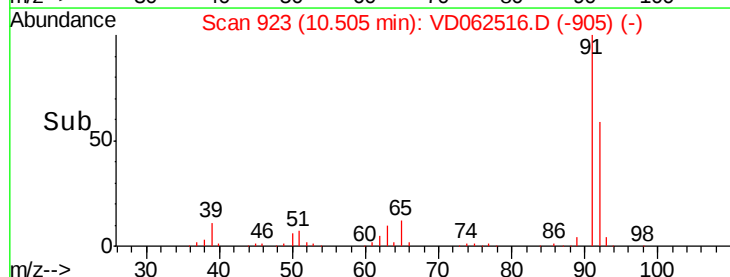
300000

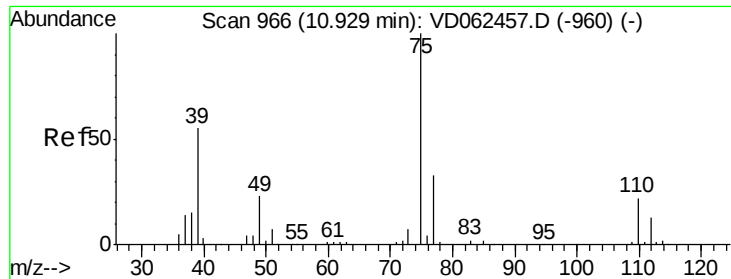
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 41.629 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

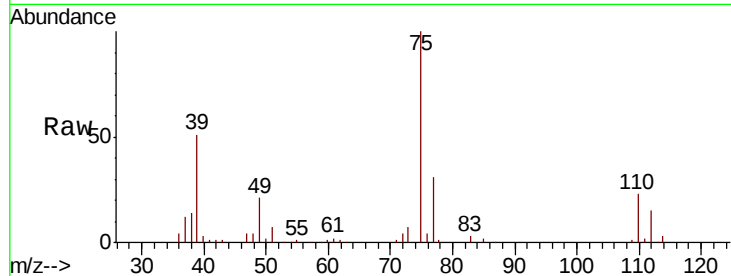
VSTDCCC050

Tot Ion: 75 Resp: 336465

Ion Ratio Lower Upper

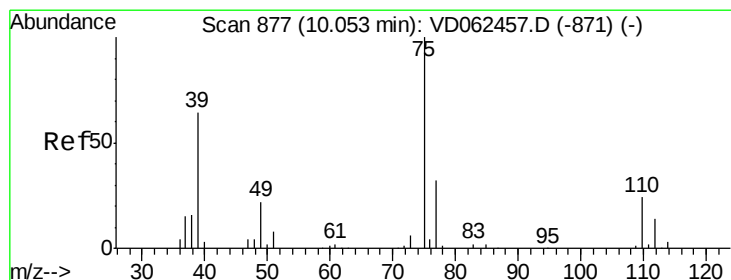
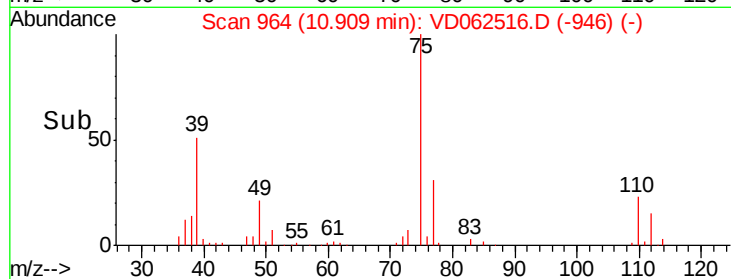
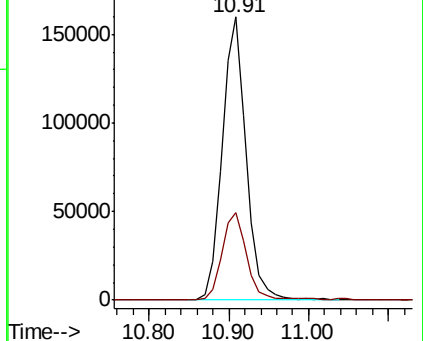
75 100

77 30.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 44.859 ug/l

RT: 10.03 min Scan# 875

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

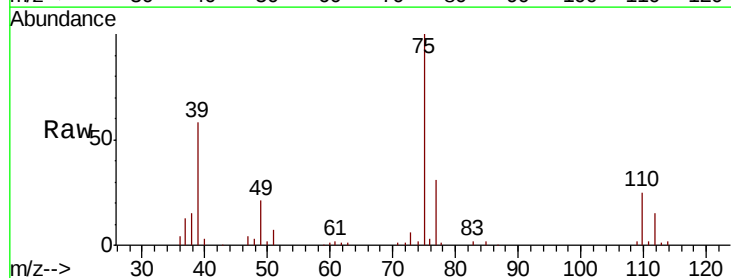
Tgt Ion: 75 Resp: 378322

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

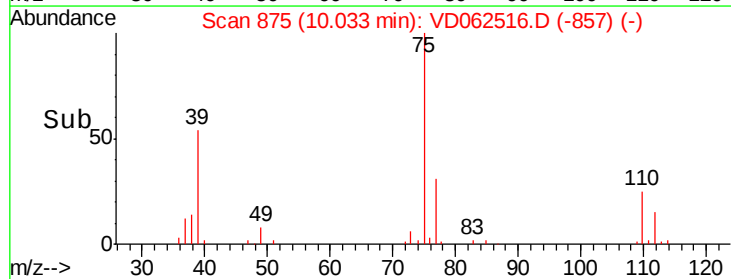
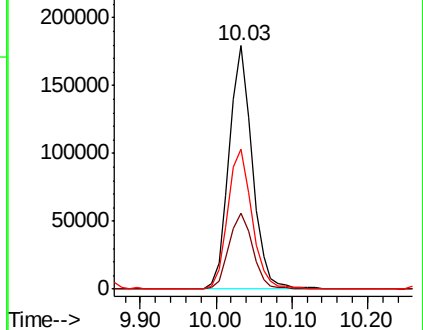
39 57.5 39.4 59.2

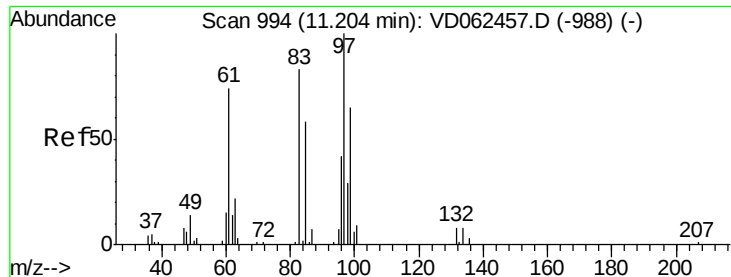


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

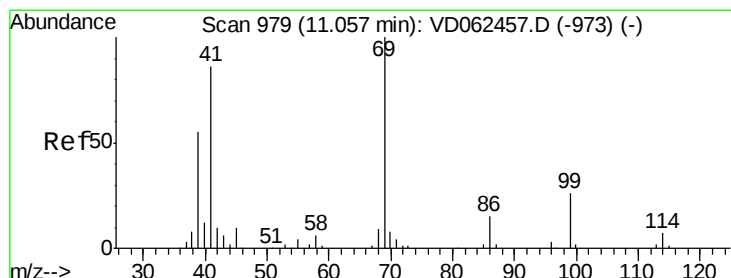
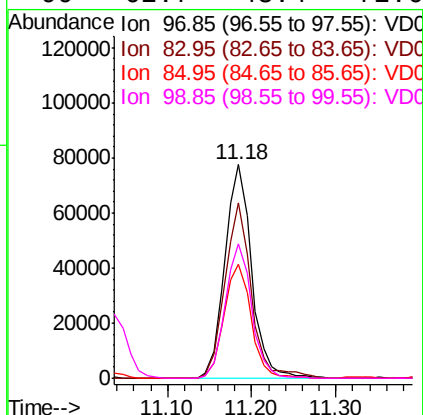
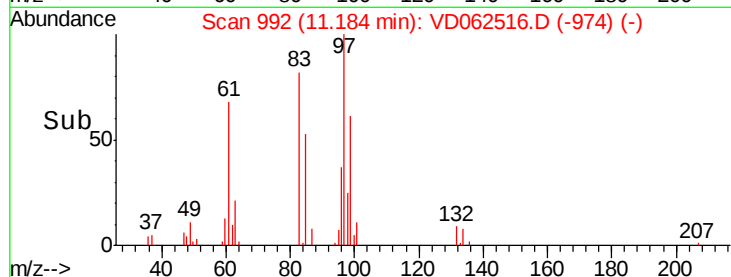
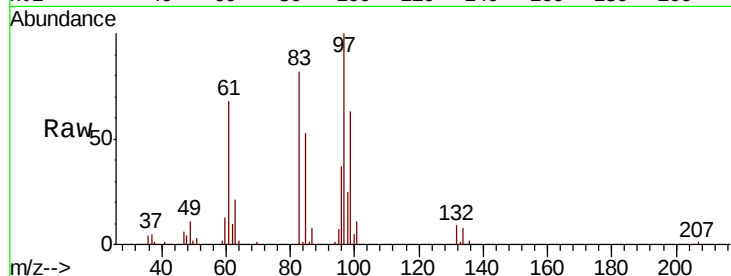




#55
 1,1,2-Trichloroethane
 Concen: 42.727 ug/l
 RT: 11.18 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

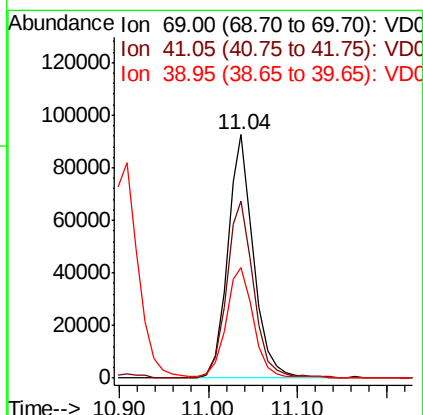
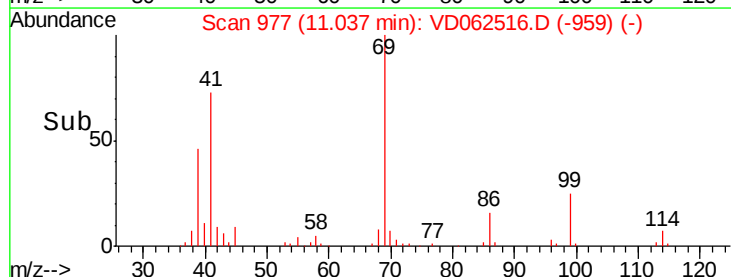
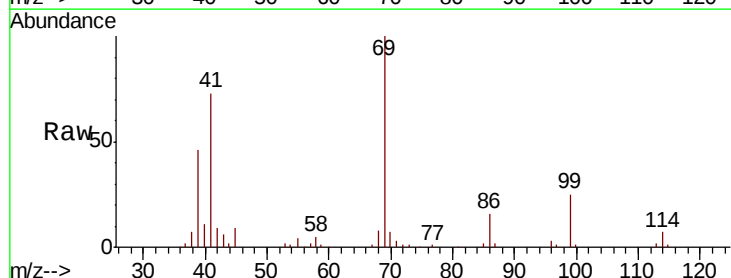
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

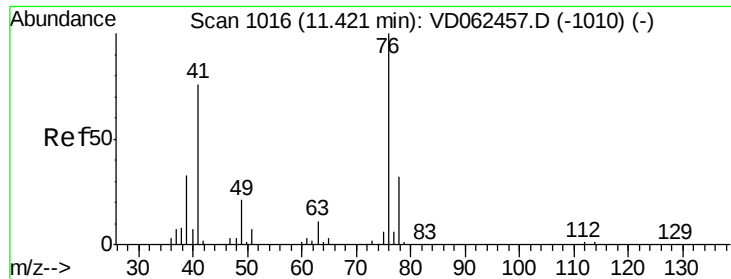
Tot Ion:	97	Resp:	171261
Ion	Ratio	Lower	Upper
97	100		
83	81.9	65.7	98.5
85	53.3	45.6	68.4
99	62.7	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 43.529 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion:	69	Resp:	186520
Ion	Ratio	Lower	Upper
69	100		
41	72.9	56.3	84.5
39	45.5	29.4	44.2#

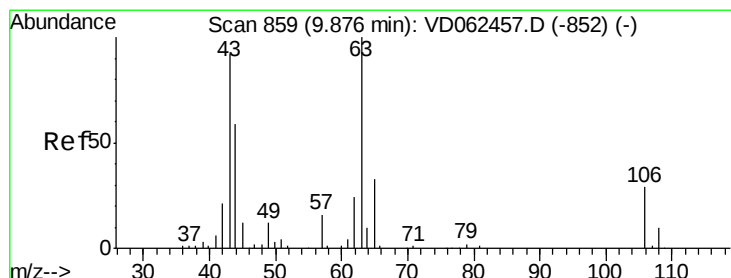
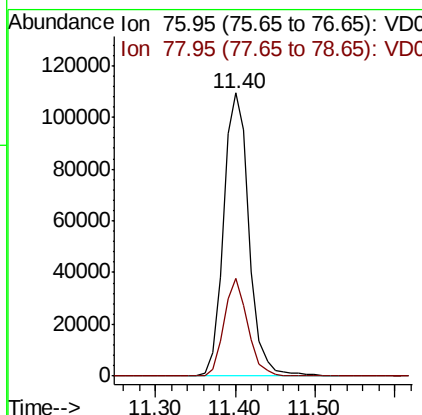
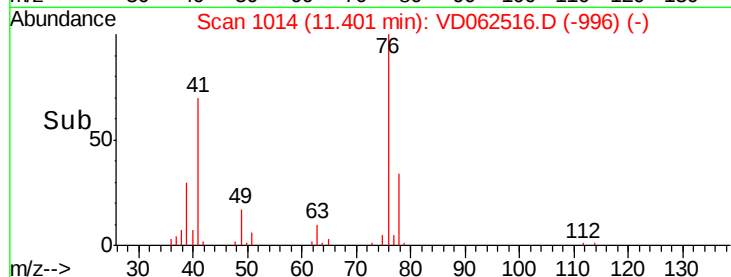
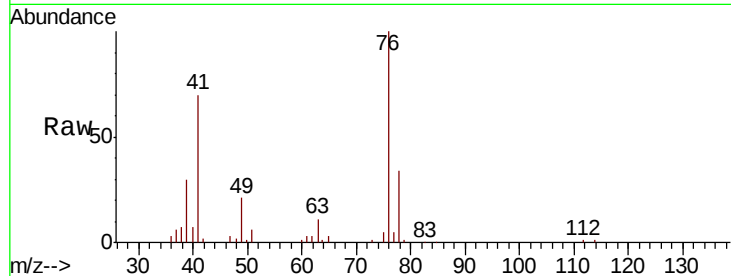




#57
 1,3-Dichloropropane
 Concen: 39.686 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

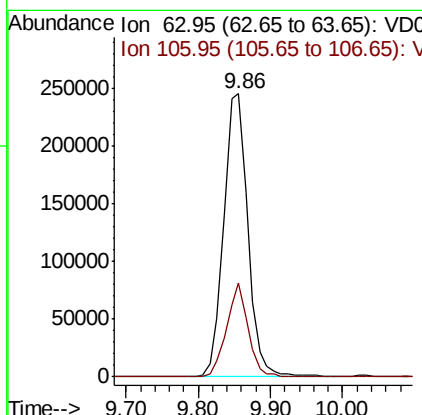
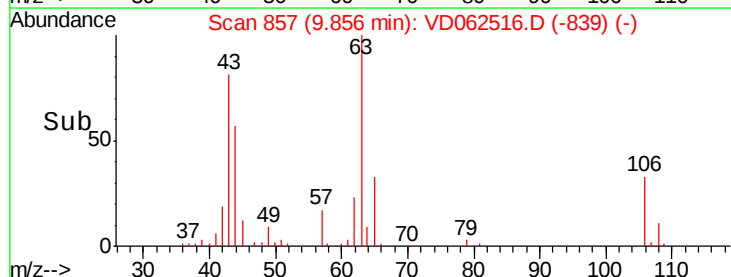
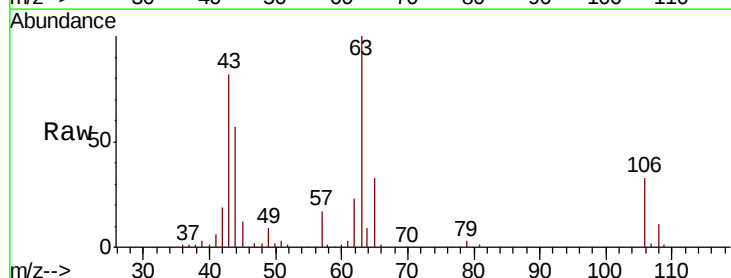
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

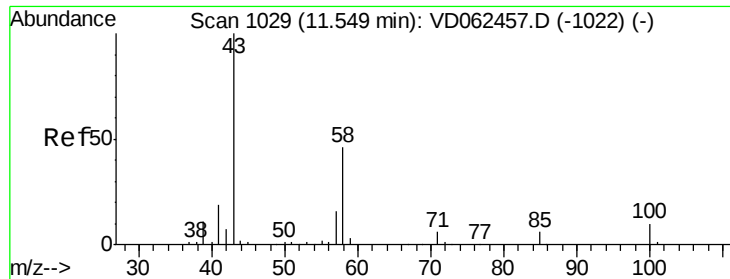
Tot Ion: 76 Resp: 243954
 Ion Ratio Lower Upper
 76 100
 78 34.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.924 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion: 63 Resp: 569701
 Ion Ratio Lower Upper
 63 100
 106 33.1 22.6 34.0

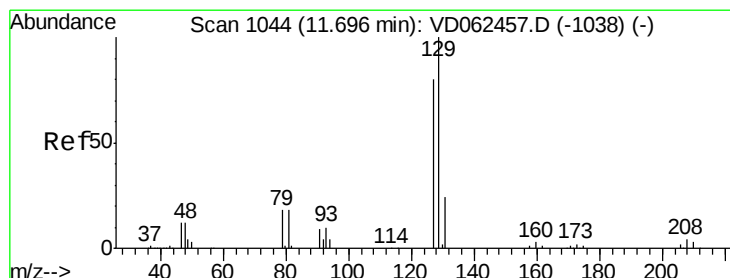
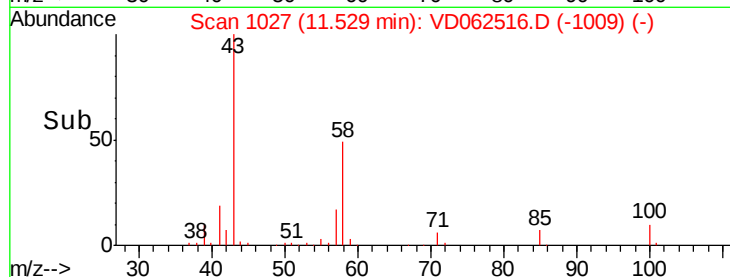
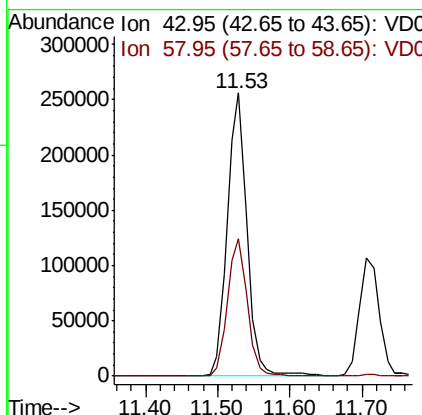
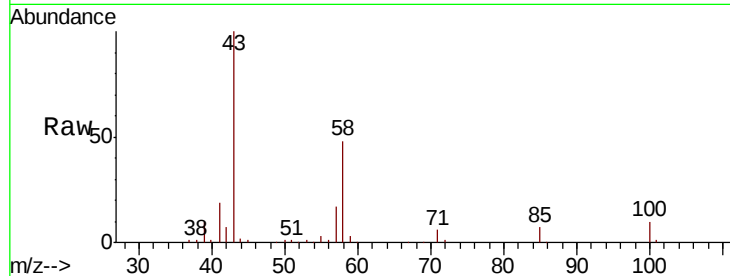




#59
2-Hexanone
Concen: 223.037 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

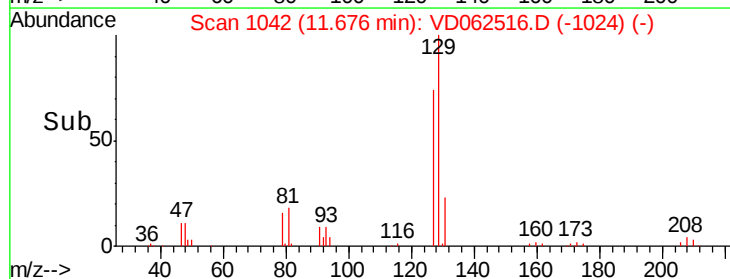
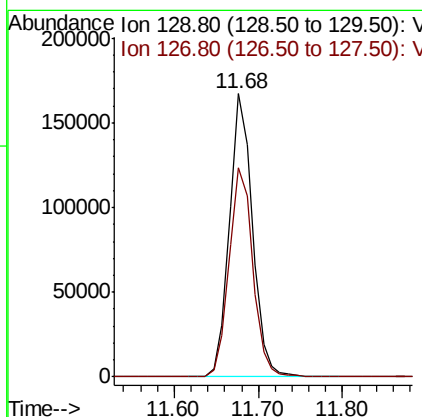
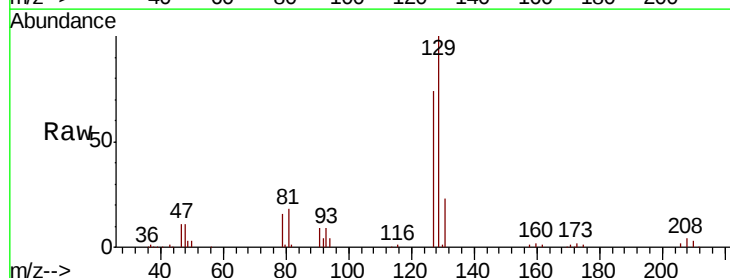
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

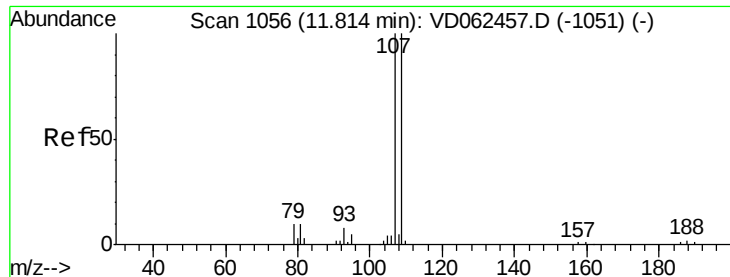
Tot Ion: 43 Resp: 486055
Ion Ratio Lower Upper
43 100
58 48.5 25.4 76.4



#60
Dibromochloromethane
Concen: 41.371 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Tgt Ion: 129 Resp: 318502
Ion Ratio Lower Upper
129 100
127 74.0 38.0 113.9

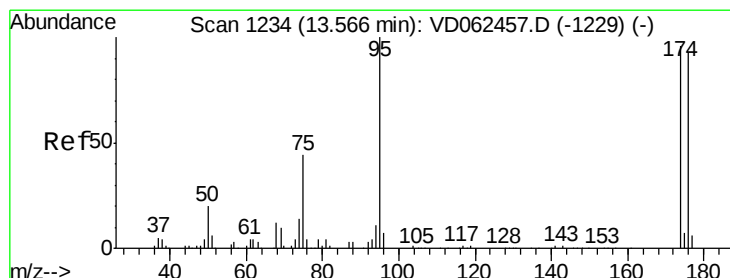
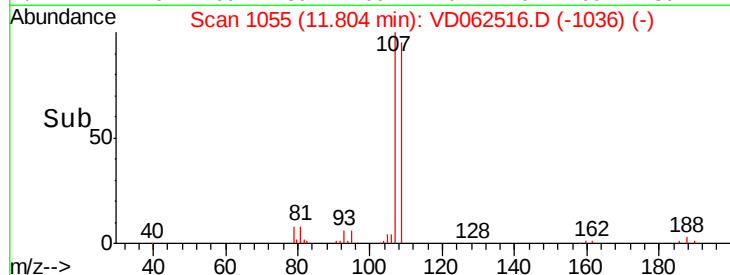
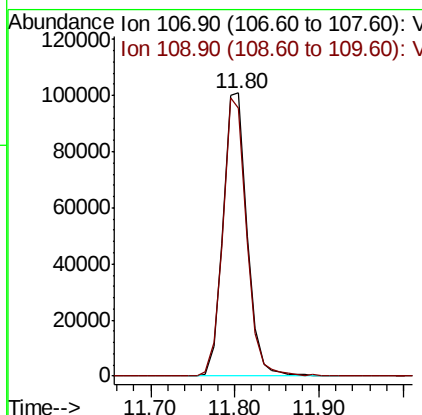
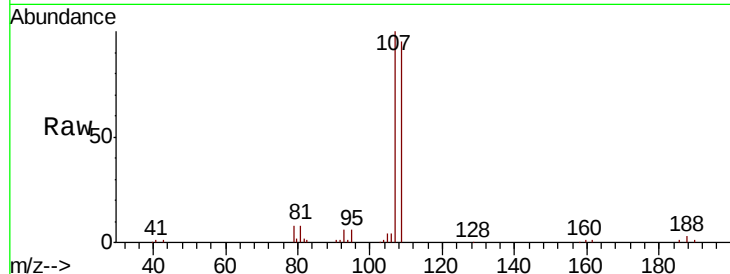




#61
 1,2-Dibromoethane
 Concen: 40.395 ug/l
 RT: 11.80 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

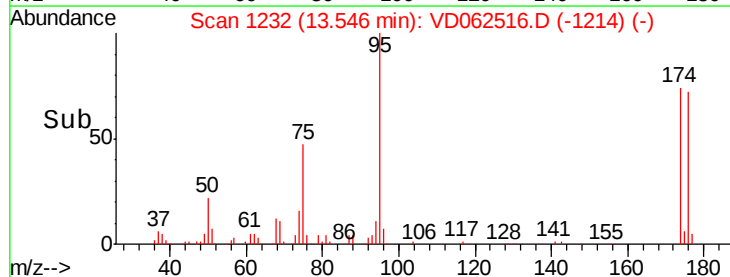
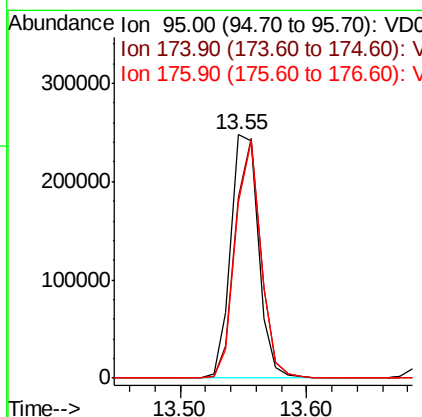
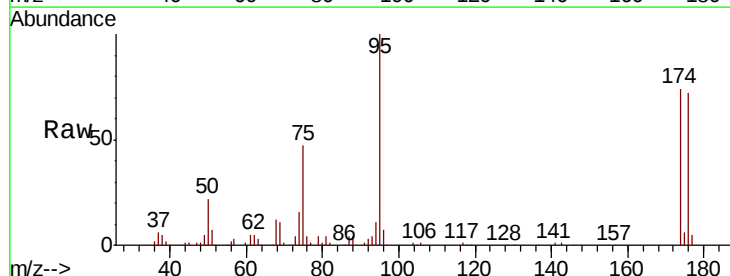
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

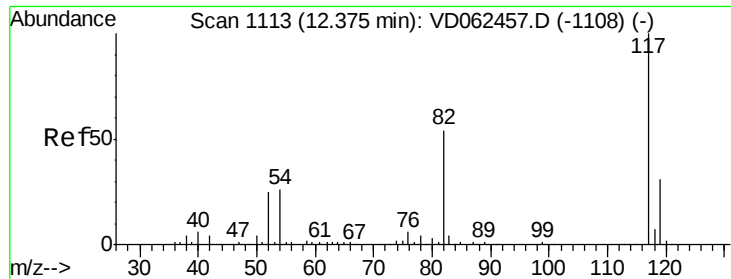
Tot Ion:107 Resp: 199538
 Ion Ratio Lower Upper
 107 100
 109 94.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 47.197 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion: 95 Resp: 375468
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 181.8
 176 72.0 0.0 174.4

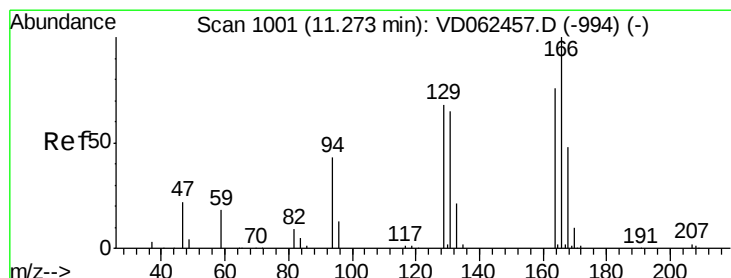
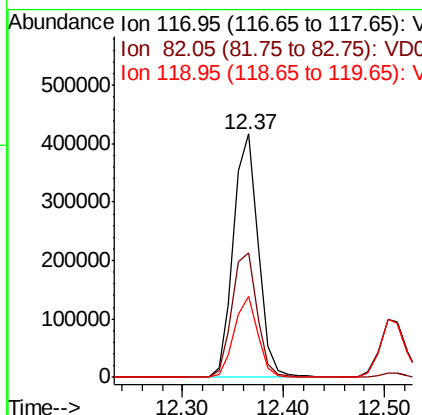
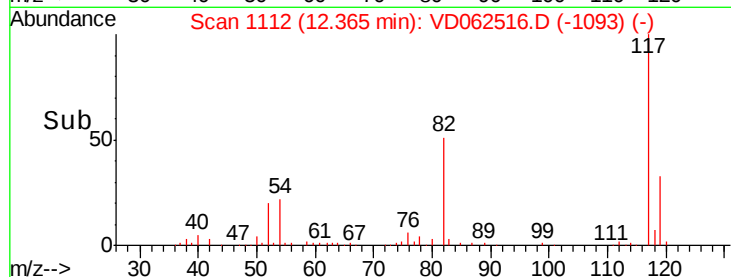
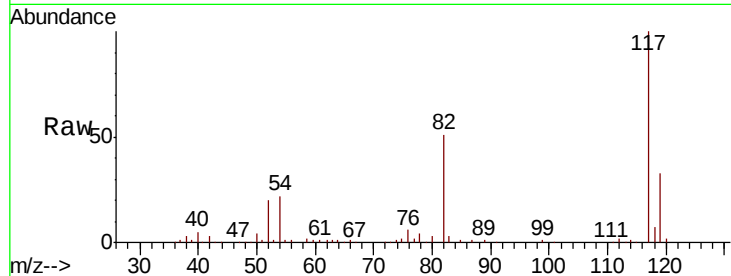




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

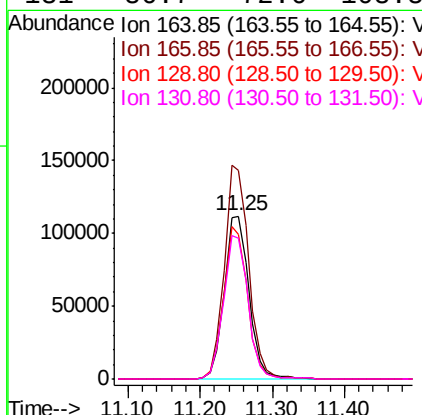
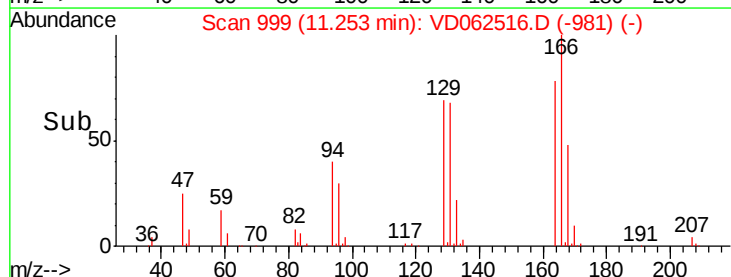
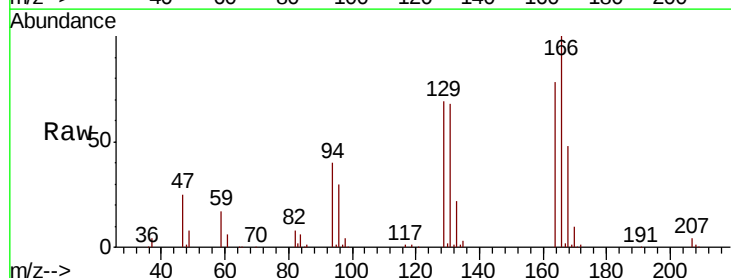
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

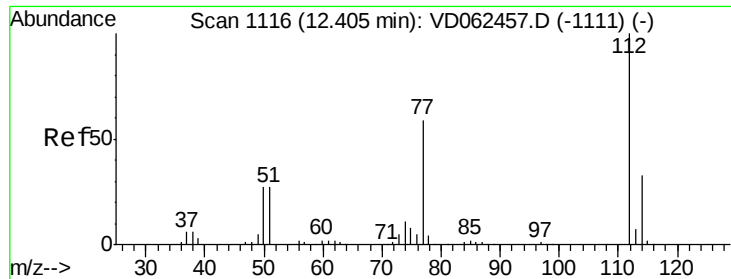
Tot Ion:117 Resp: 712570
Ion Ratio Lower Upper
117 100
82 51.0 36.2 54.2
119 33.4 26.2 39.4



#64
Tetrachloroethene
Concen: 44.442 ug/l
RT: 11.25 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Tgt Ion:164 Resp: 265156
Ion Ratio Lower Upper
164 100
166 127.6 101.5 152.3
129 88.4 74.6 112.0
131 86.7 72.6 108.8

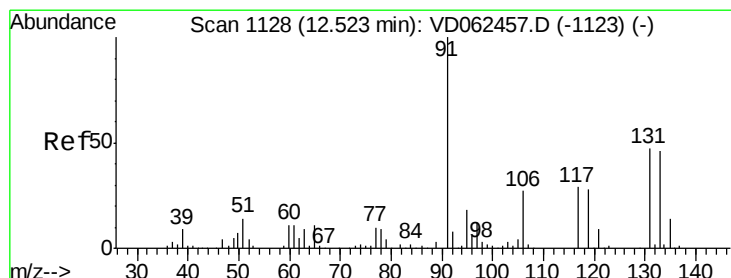
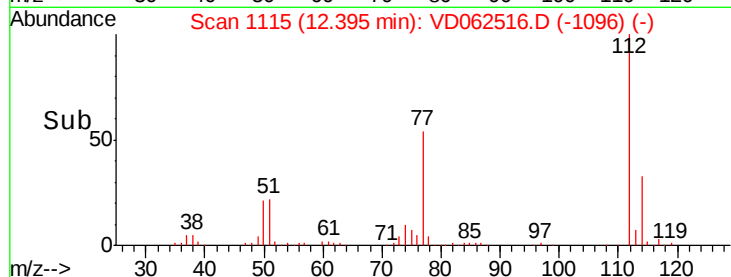
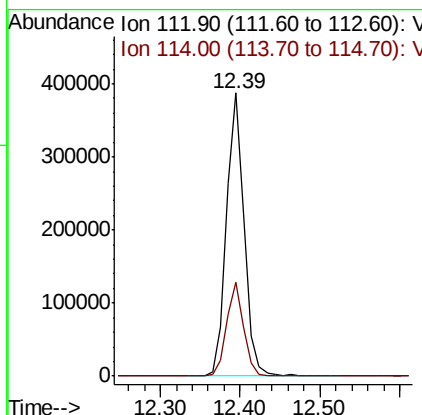
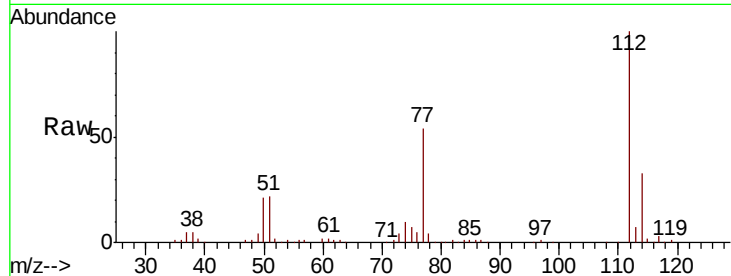




#65
Chlorobenzene
Concen: 44.294 ug/l
RT: 12.39 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

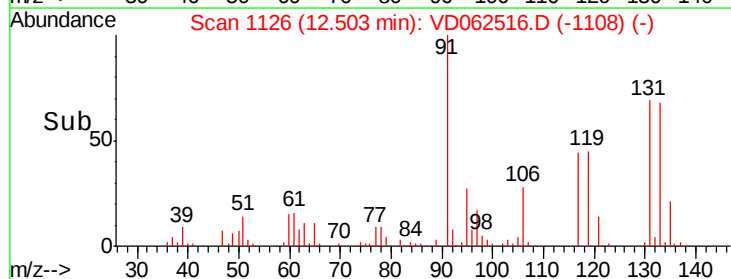
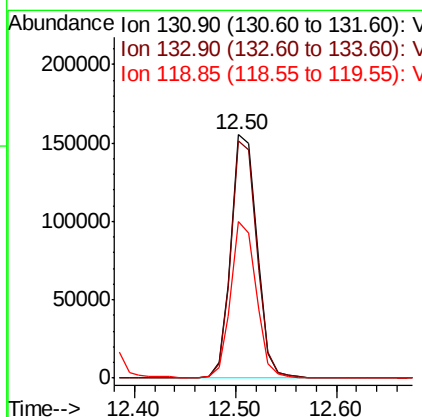
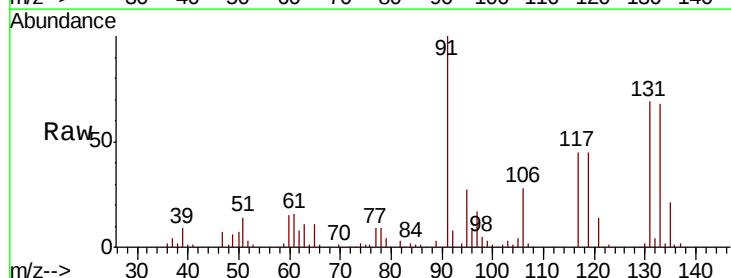
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

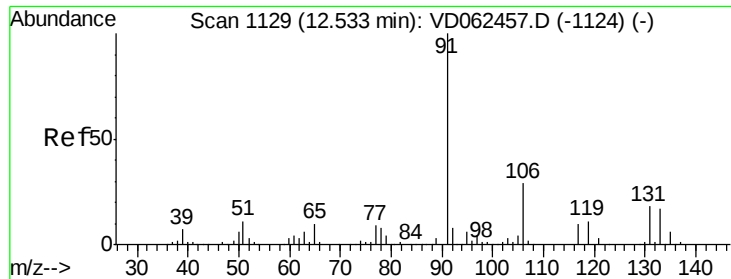
Tot Ion:112 Resp: 606966
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 44.055 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Tgt Ion:131 Resp: 278661
Ion Ratio Lower Upper
131 100
133 97.5 48.6 145.8
119 64.4 34.7 104.1

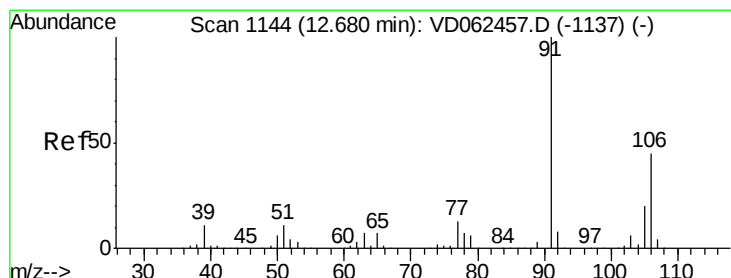
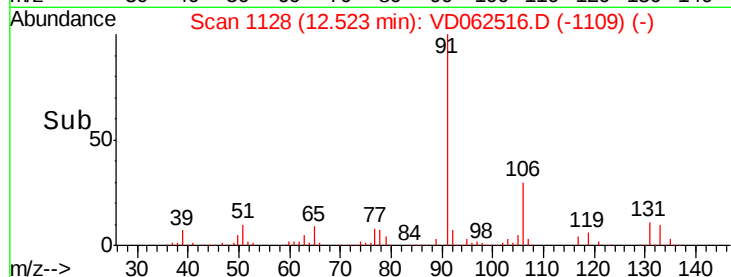
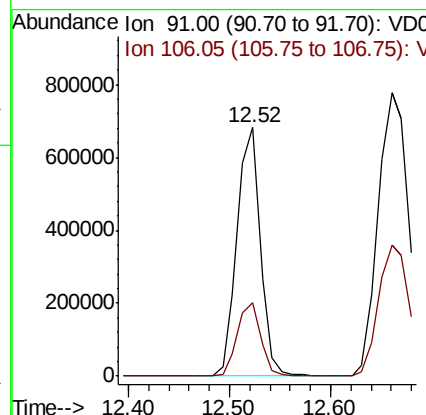
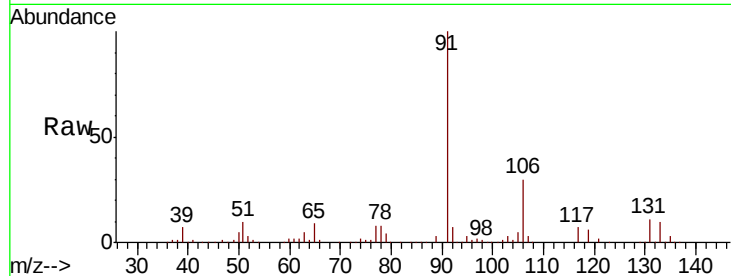




#67
Ethyl Benzene
Concen: 46.681 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

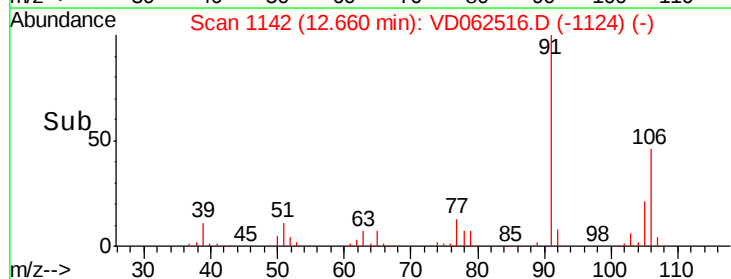
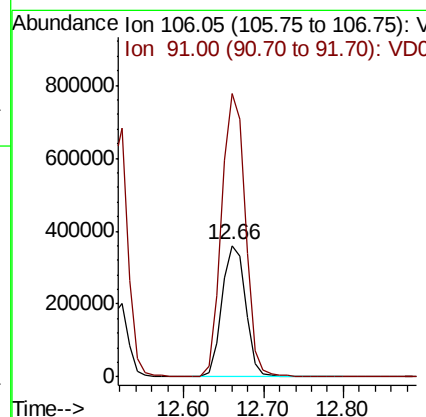
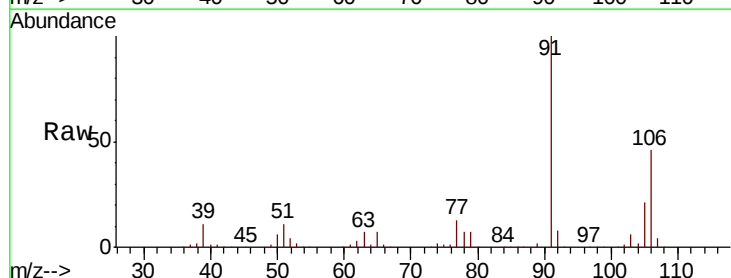
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

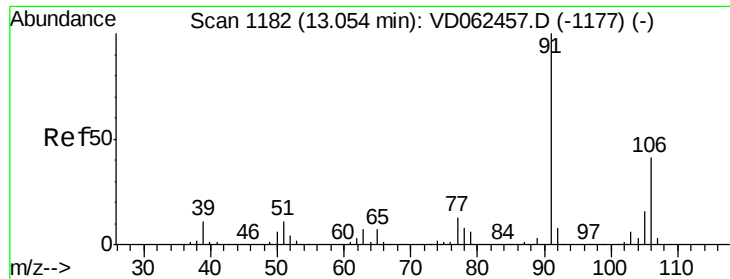
Tot Ion: 91 Resp: 1101788
Ion Ratio Lower Upper
91 100
106 29.8 24.7 37.1



#68
m/p-Xylenes
Concen: 89.625 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Tgt Ion:106 Resp: 759339
Ion Ratio Lower Upper
106 100
91 216.0 164.0 246.0

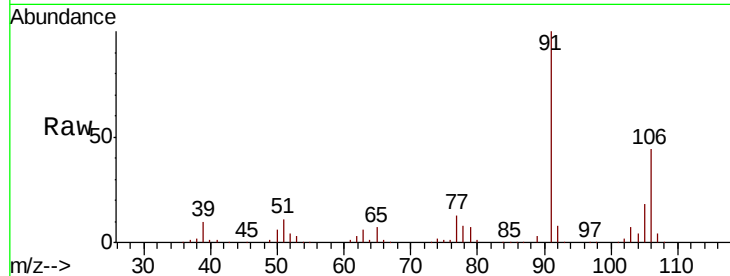




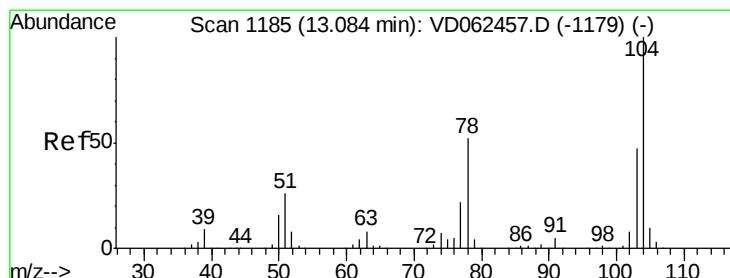
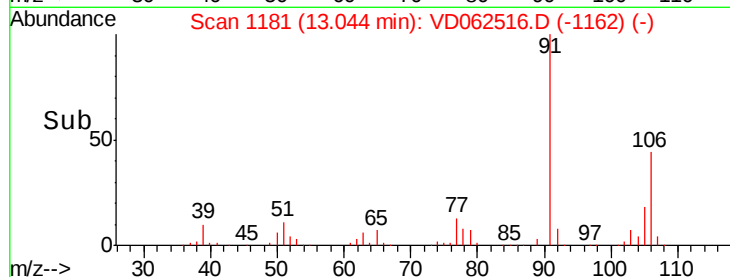
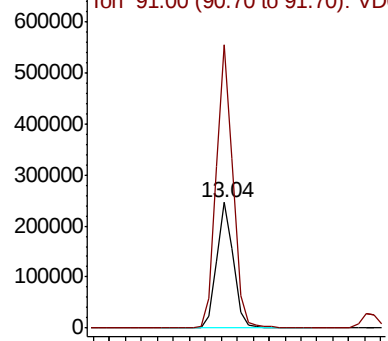
#69
o-Xylene
Concen: 44.422 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 355105
Ion Ratio Lower Upper
106 100
91 225.2 106.7 319.9

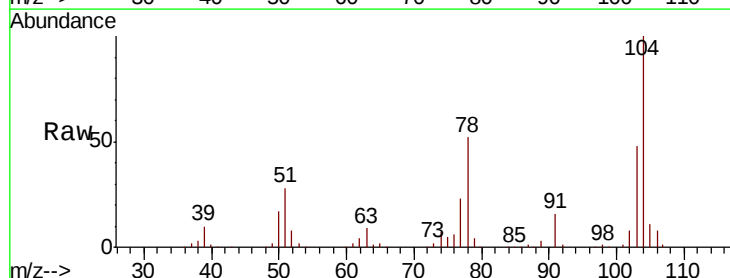


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

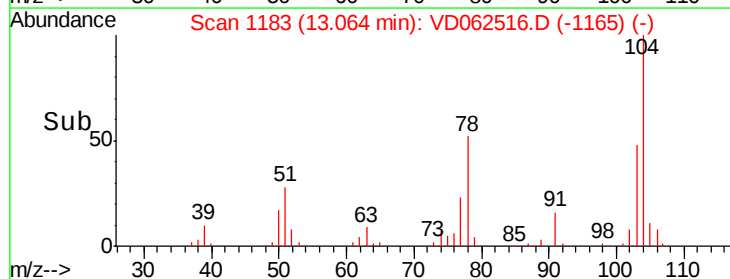
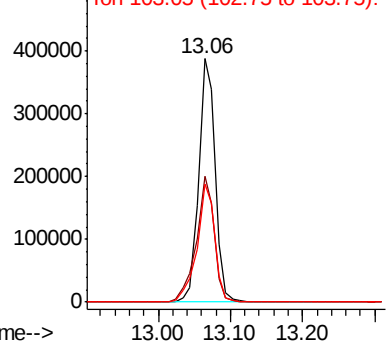


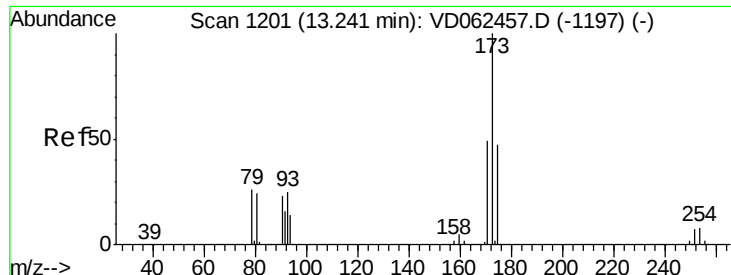
#70
Styrene
Concen: 44.708 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Tgt Ion:104 Resp: 607990
Ion Ratio Lower Upper
104 100
78 51.7 35.4 53.2
103 48.4 37.5 56.3



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: 45.257 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

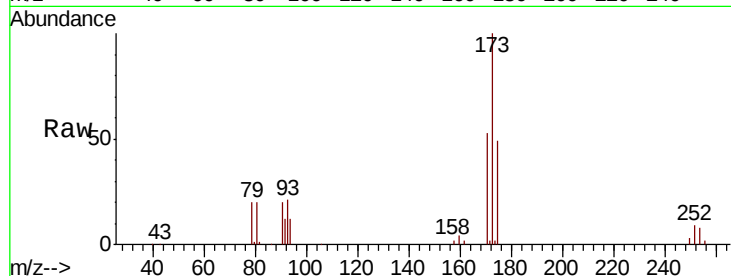
Tot Ion:173 Resp: 190113

Ion Ratio Lower Upper

173 100

175 49.5 24.4 73.4

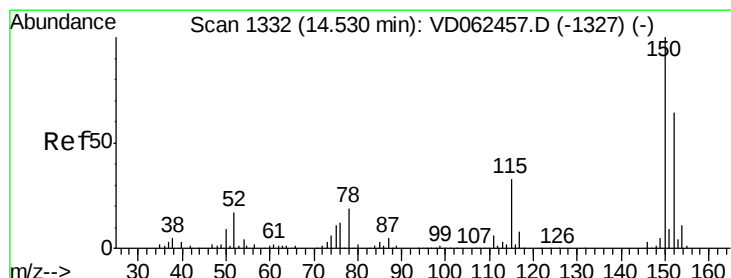
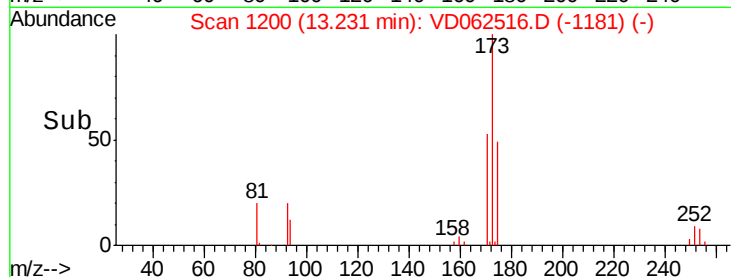
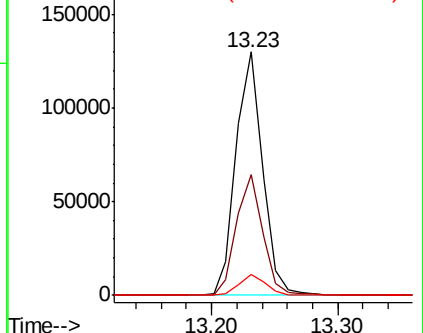
254 8.4 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

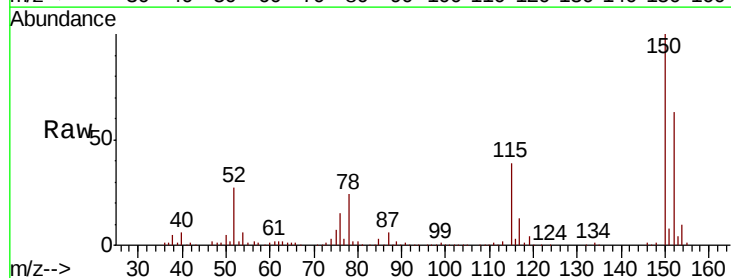
Tgt Ion:152 Resp: 382540

Ion Ratio Lower Upper

152 100

115 62.2 30.9 92.7

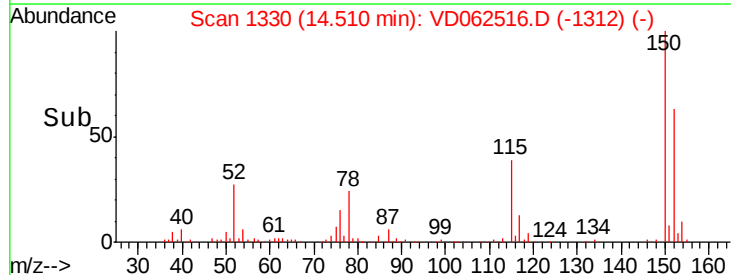
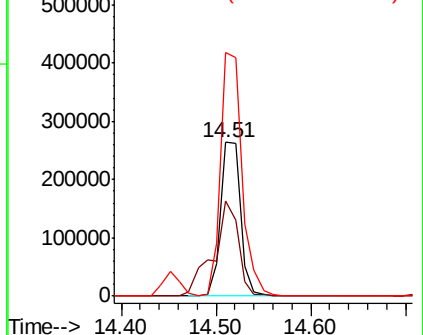
150 158.1 0.0 314.8

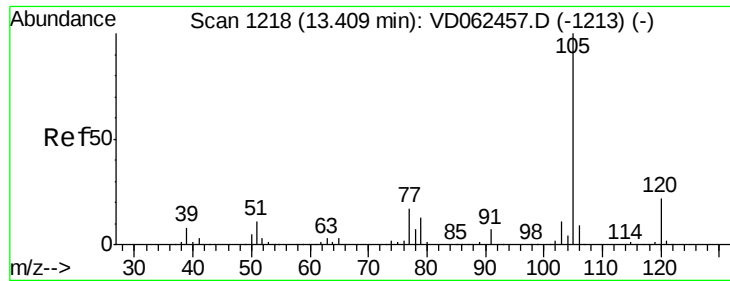


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

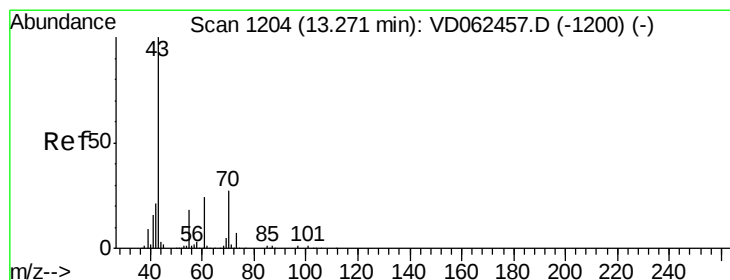
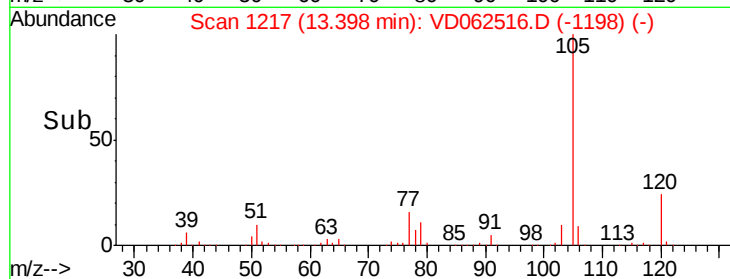
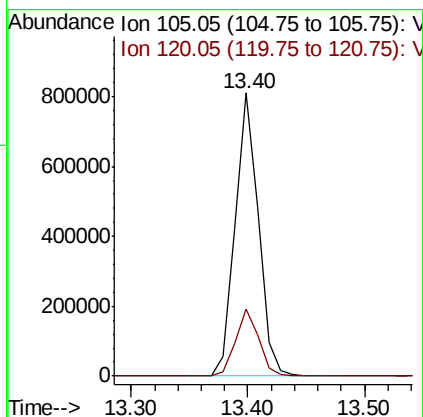
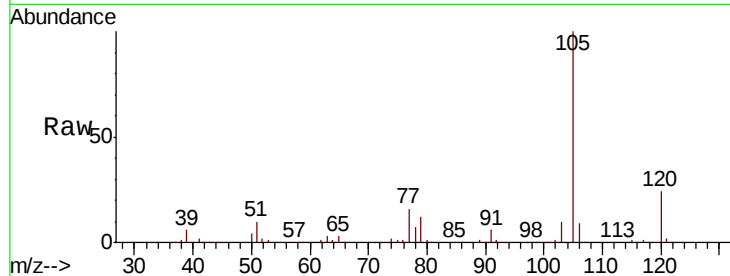




#73
Isopropylbenzene
Concen: 46.465 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

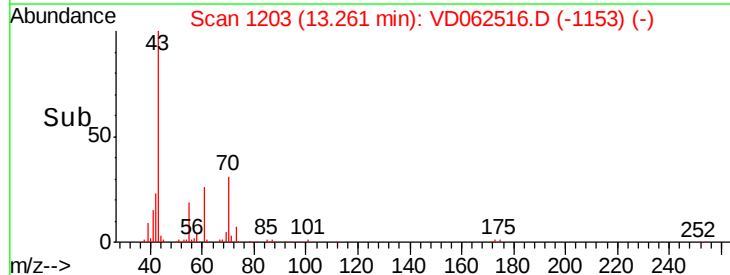
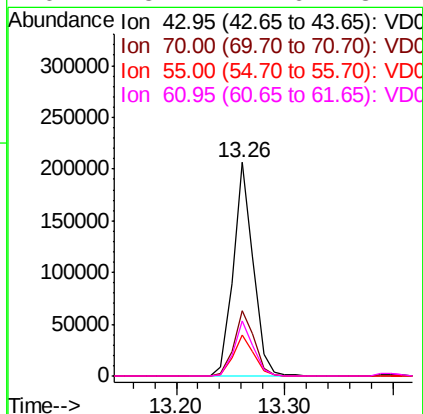
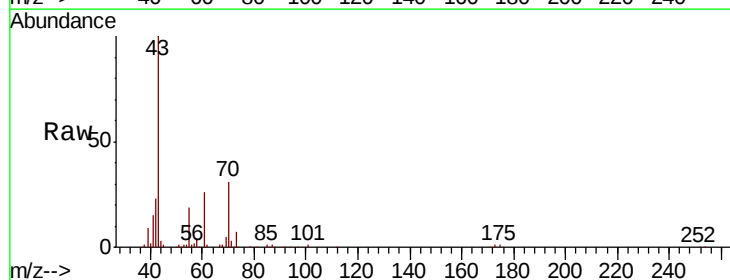
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

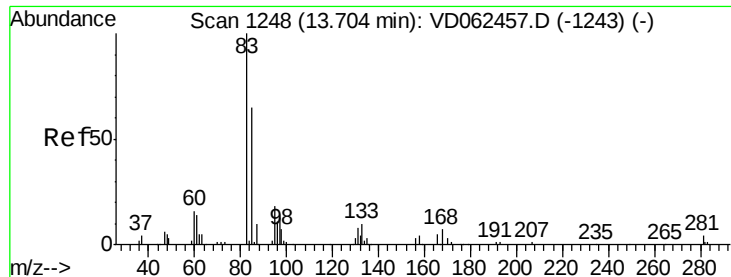
Tot Ion:105 Resp: 1120397
Ion Ratio Lower Upper
105 100
120 23.5 12.0 36.1



#74
N-ethyl acetate
Concen: 44.333 ug/l
RT: 13.26 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Tgt Ion: 43 Resp: 264024
Ion Ratio Lower Upper
43 100
70 30.8 24.2 36.4
55 19.1 16.0 24.0
61 25.7 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 42.256 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

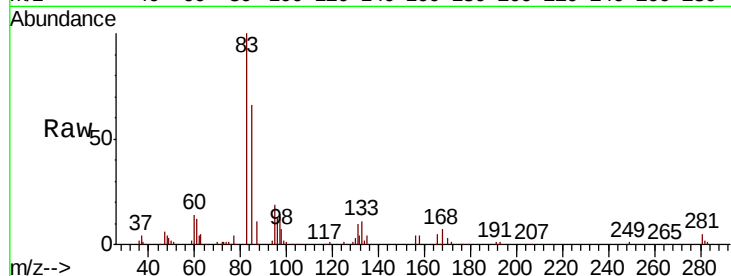
Tot Ion: 83 Resp: 183820

Ion Ratio Lower Upper

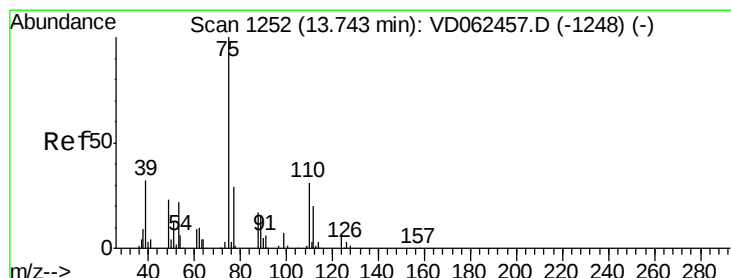
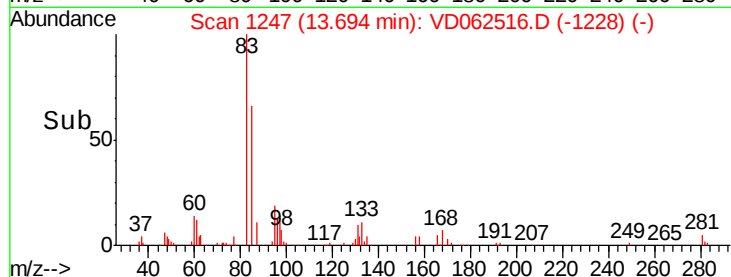
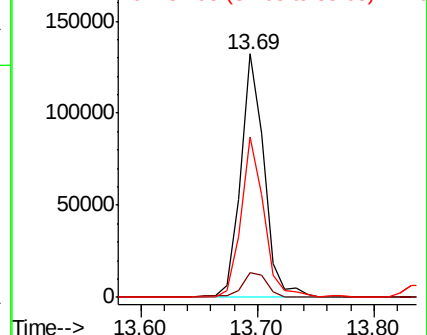
83 100

131 10.2 5.0 14.9

85 66.1 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 42.768 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD062516.D

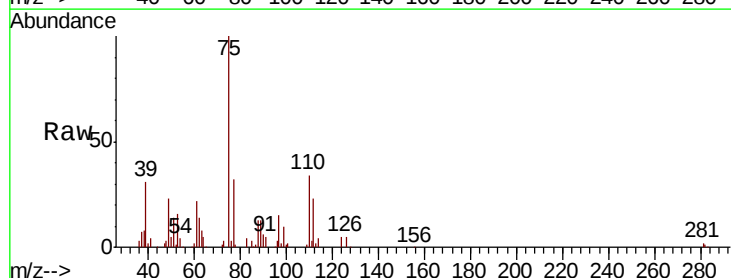
Acq: 23 May 2019 12:20

Tgt Ion: 75 Resp: 192705

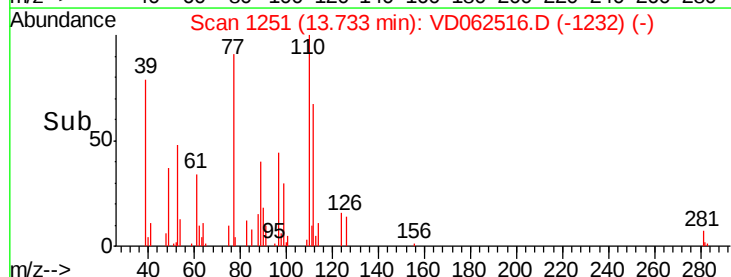
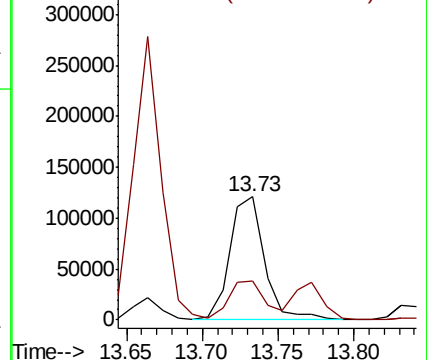
Ion Ratio Lower Upper

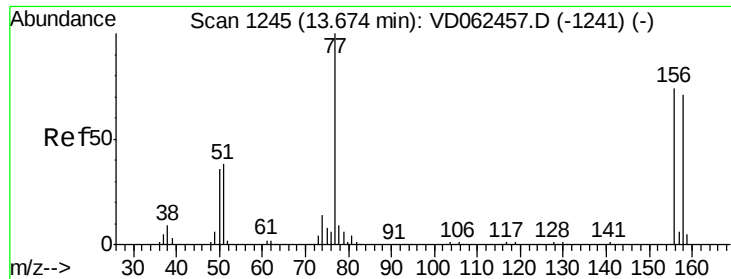
75 100

77 32.0 16.4 49.4



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





#77

Bromobenzene

Concen: 44.758 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

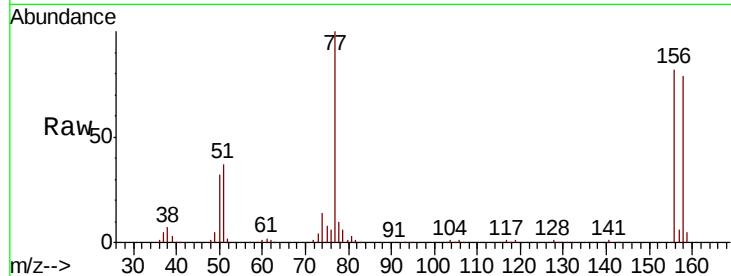
Tot Ion:156 Resp: 306158

Ion Ratio Lower Upper

156 100

77 122.2 53.1 159.4

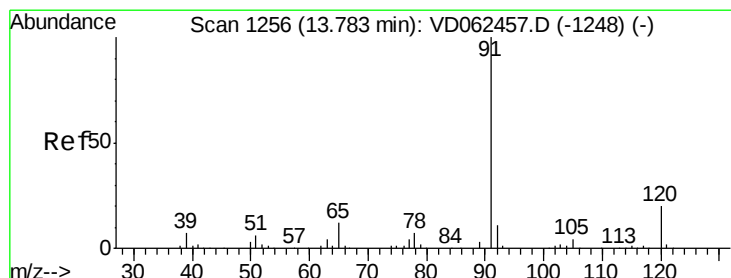
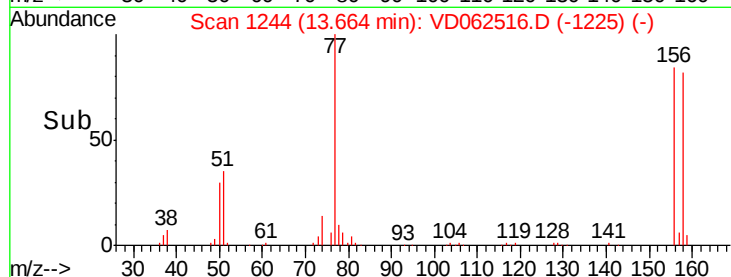
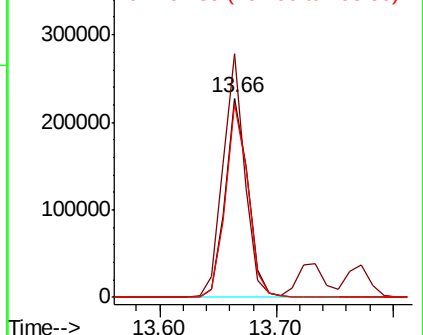
158 96.9 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.051 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062516.D

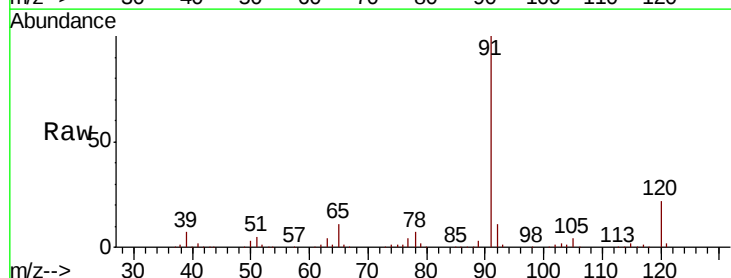
Acq: 23 May 2019 12:20

Tgt Ion: 91 Resp: 1258304

Ion Ratio Lower Upper

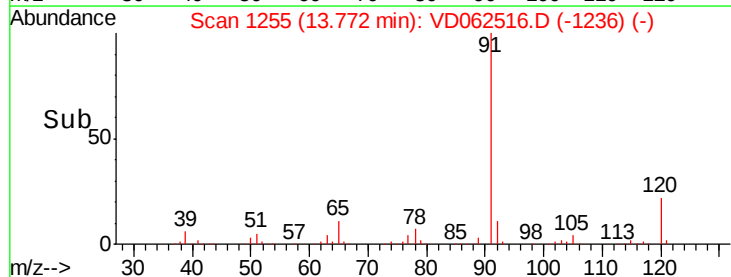
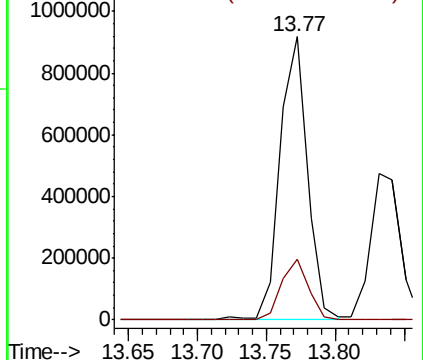
91 100

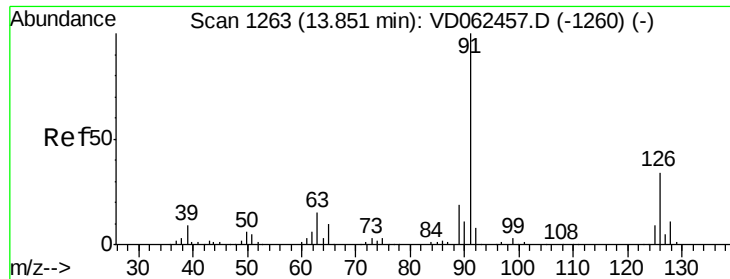
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 42.464 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.02 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

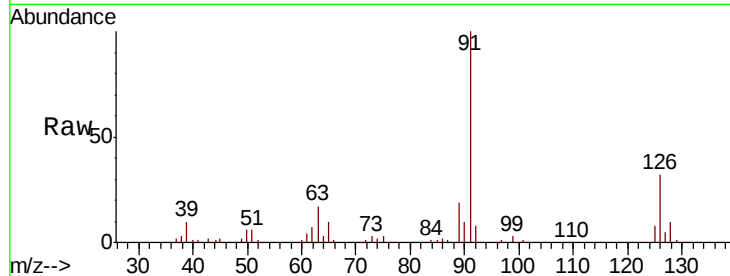
VSTDCCC050

Tot Ion: 91 Resp: 719771

Ion Ratio Lower Upper

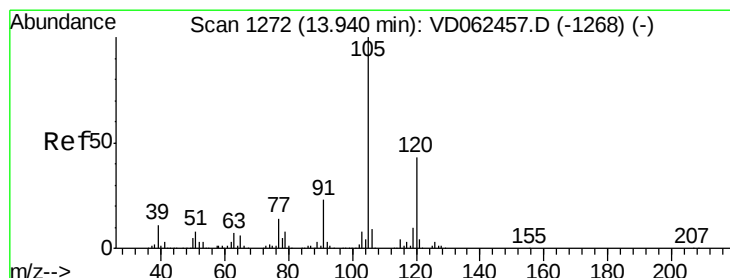
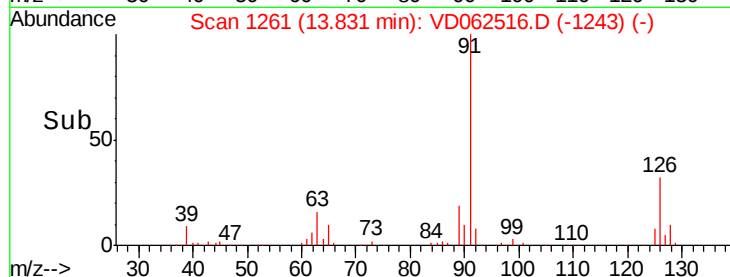
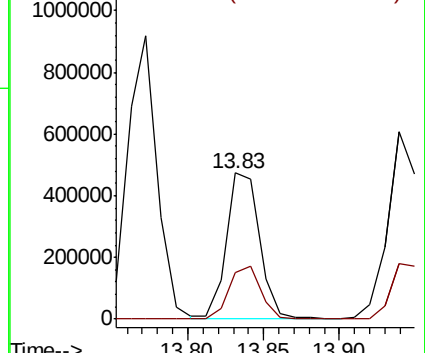
91 100

126 32.0 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 43.765 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062516.D

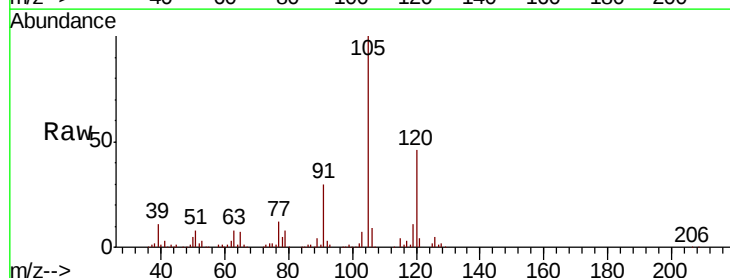
Acq: 23 May 2019 12:20

Tgt Ion: 105 Resp: 913729

Ion Ratio Lower Upper

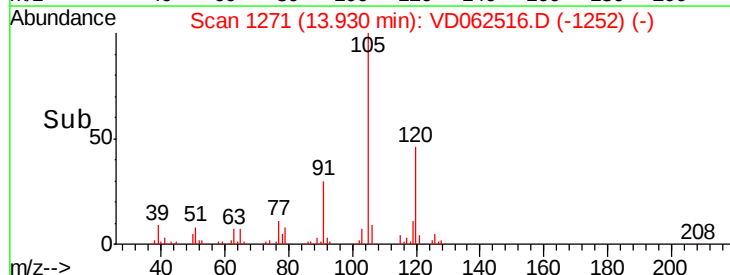
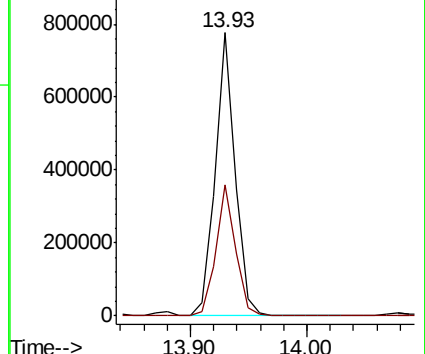
105 100

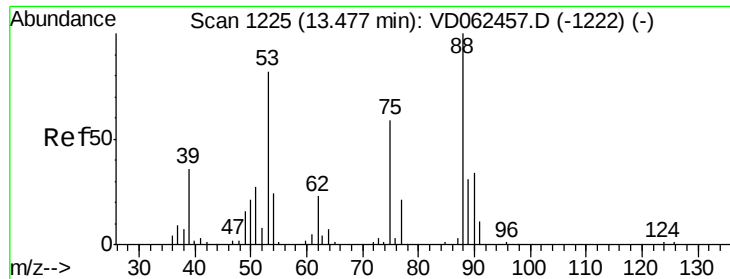
120 46.3 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.657 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

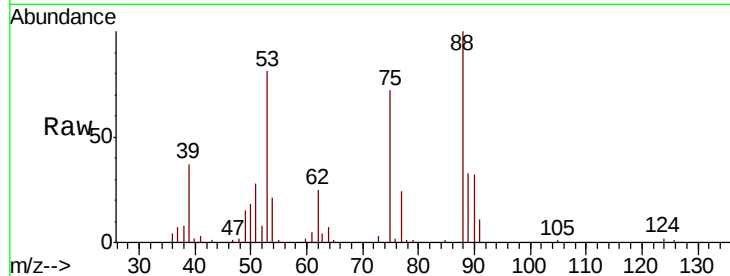
Tot Ion: 75 Resp: 59291

Ion Ratio Lower Upper

75 100

53 113.1 65.8 98.8#

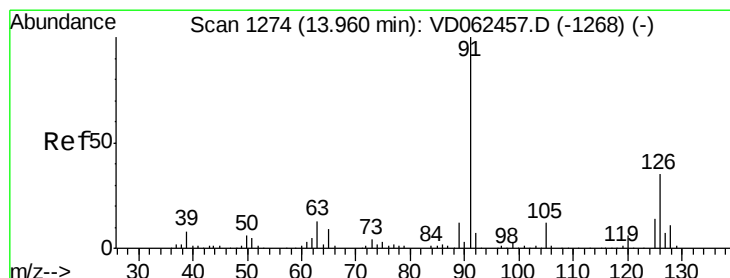
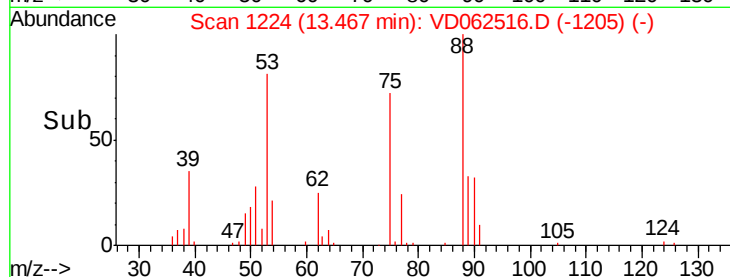
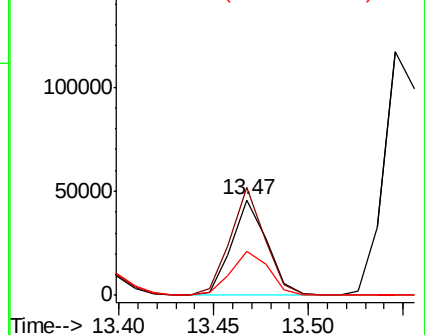
89 46.2 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 44.727 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD062516.D

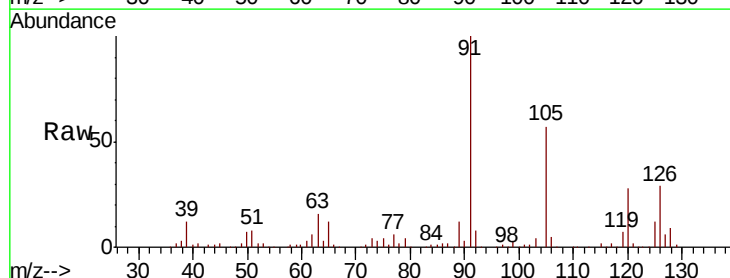
Acq: 23 May 2019 12:20

Tgt Ion: 91 Resp: 873108

Ion Ratio Lower Upper

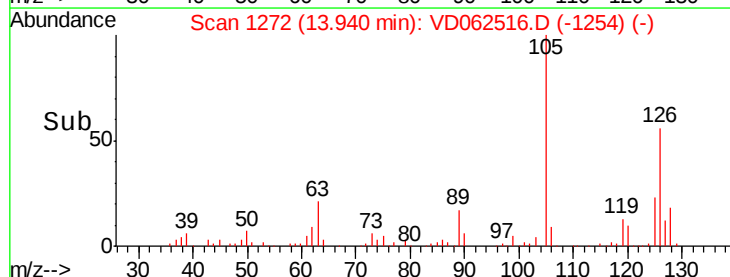
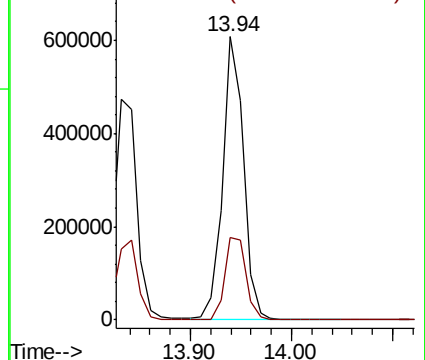
91 100

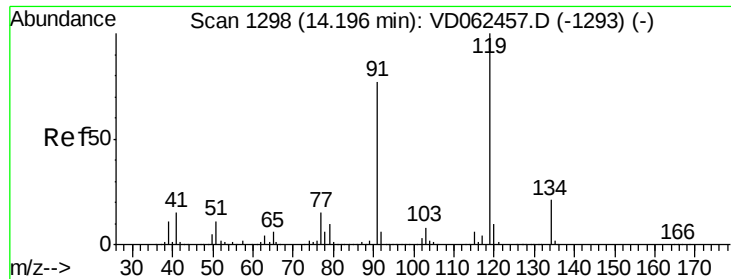
126 29.3 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

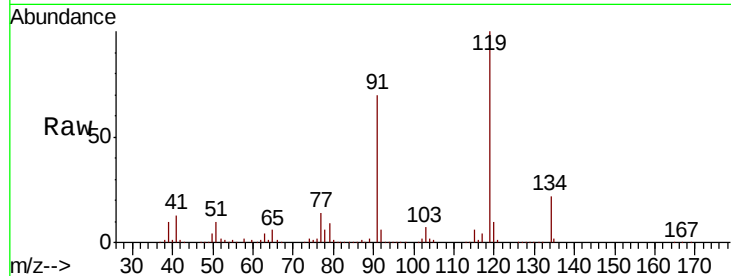




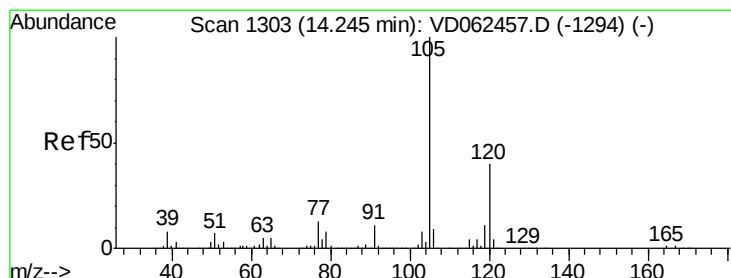
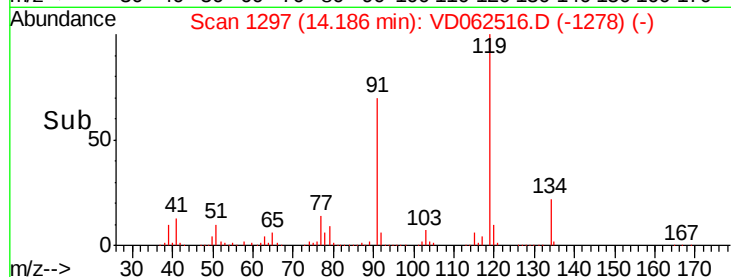
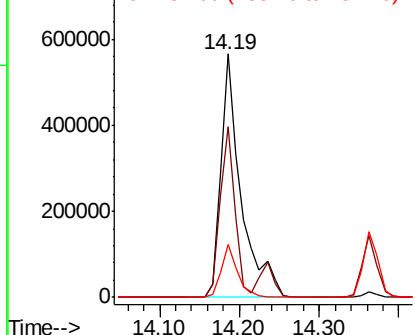
#83
 tert-Butylbenzene
 Concen: 43.381 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1004663
 Ion Ratio Lower Upper
 119 100
 91 70.2 34.2 102.6
 134 21.5 12.0 36.0

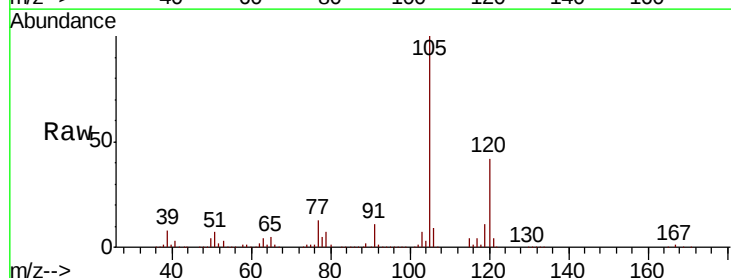


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

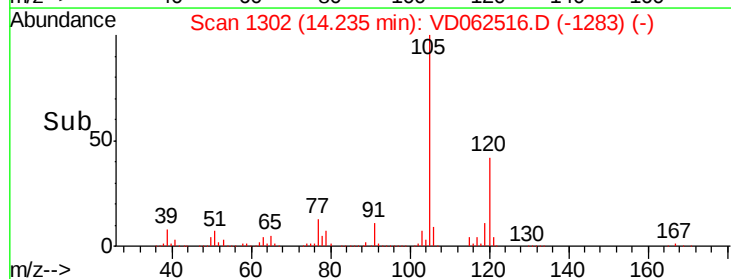
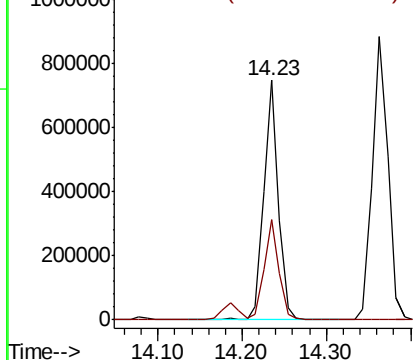


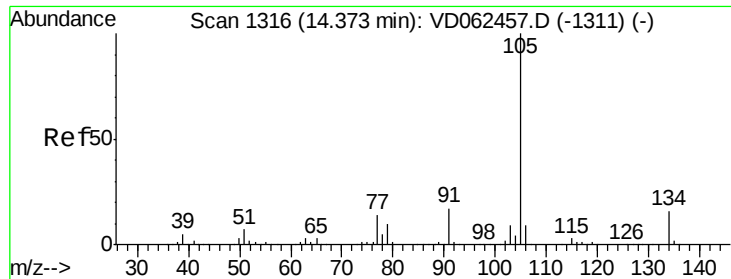
#84
 1,2,4-Trimethylbenzene
 Concen: 43.232 ug/l
 RT: 14.23 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion:105 Resp: 924876
 Ion Ratio Lower Upper
 105 100
 120 42.0 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 46.849 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

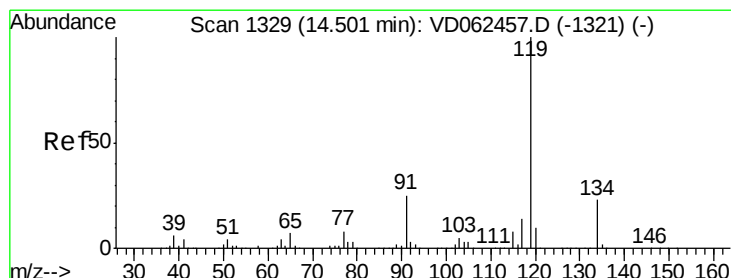
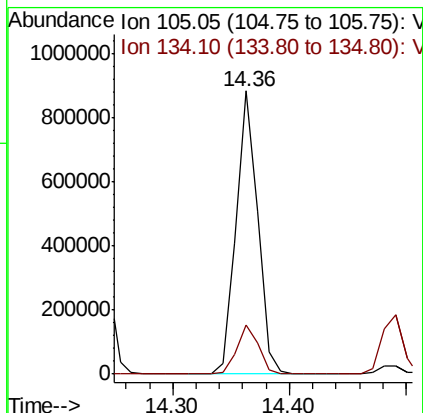
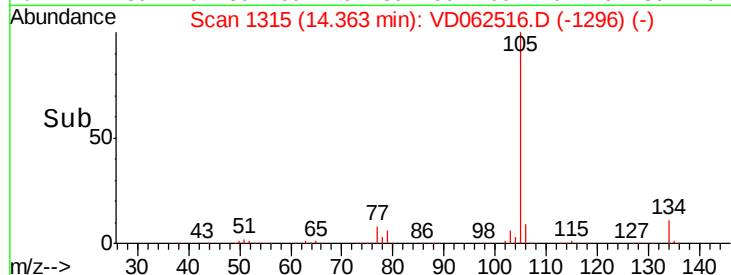
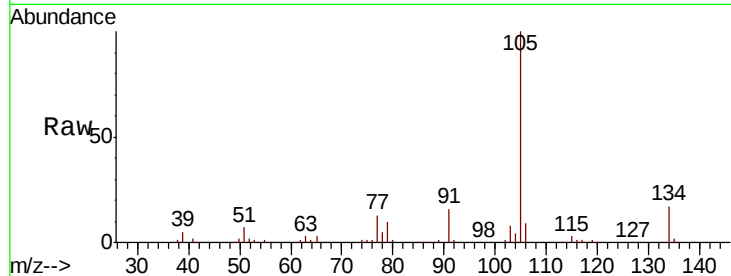
VSTDCCC050

Tot Ion:105 Resp: 1131302

Ion Ratio Lower Upper

105 100

134 17.2 8.9 26.7



#86

p-Isopropyltoluene

Concen: 46.486 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

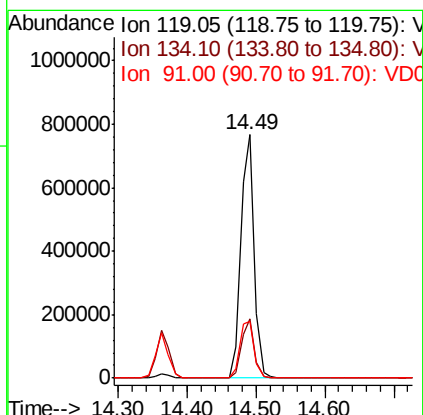
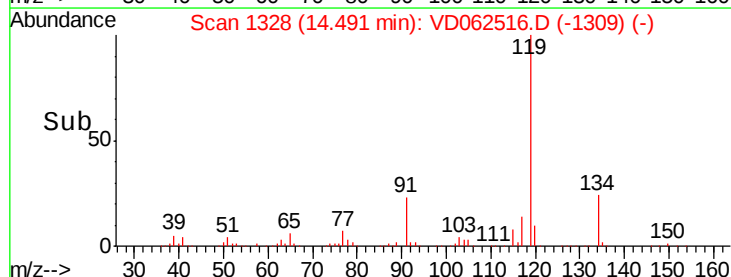
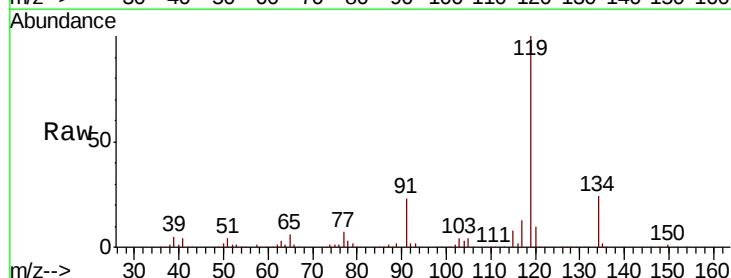
Tgt Ion:119 Resp: 1017287

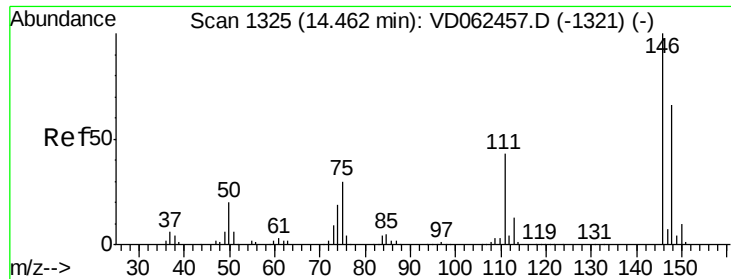
Ion Ratio Lower Upper

119 100

134 24.2 12.8 38.3

91 23.2 10.7 32.1

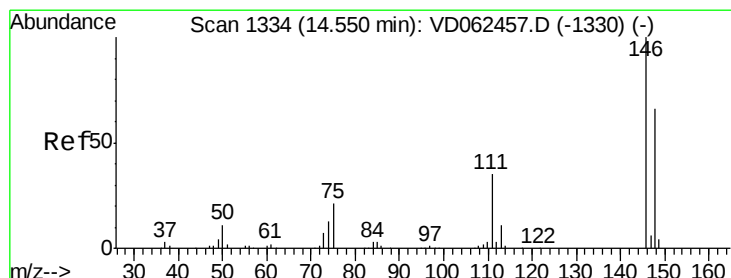
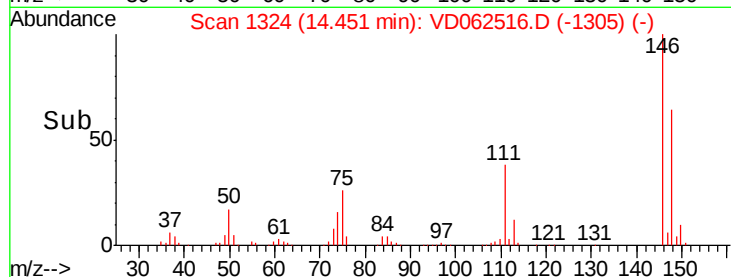
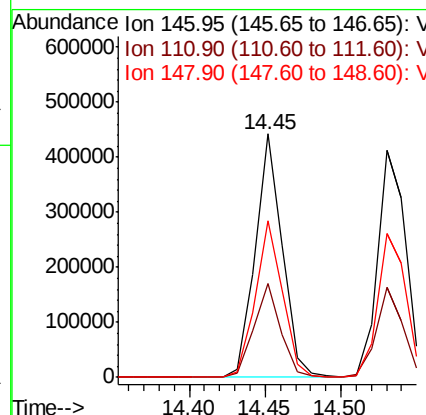
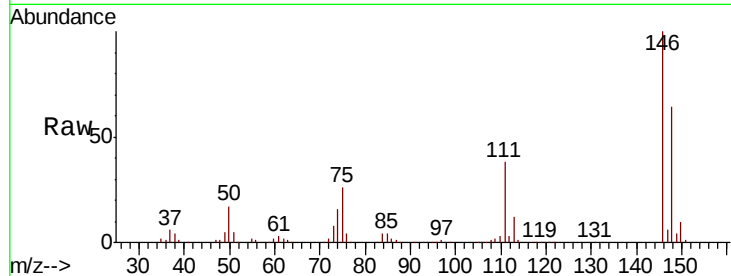




#87
 1,3-Dichlorobenzene
 Concen: 45.516 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

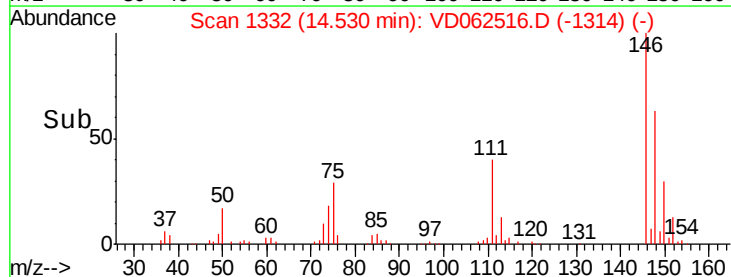
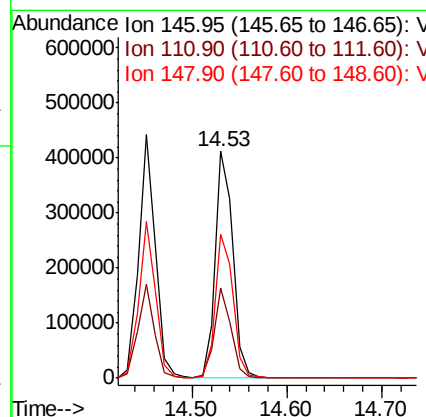
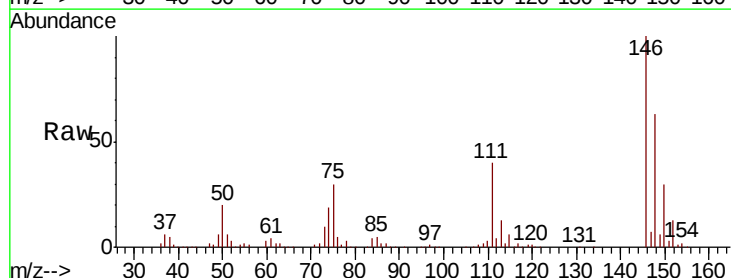
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

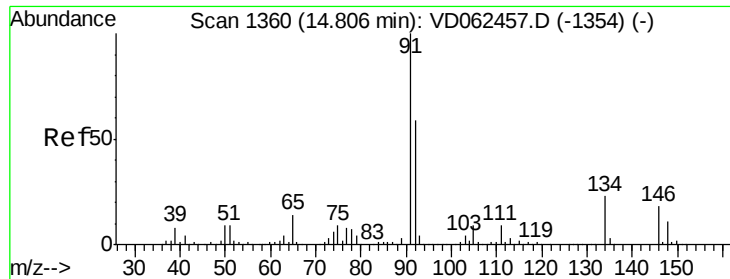
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.0	60.0
148	64.3	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 46.411 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	63.5	32.0	96.2





#89

n-Butylbenzene

Concen: 43.657 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062516.D

Acq: 23 May 2019 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

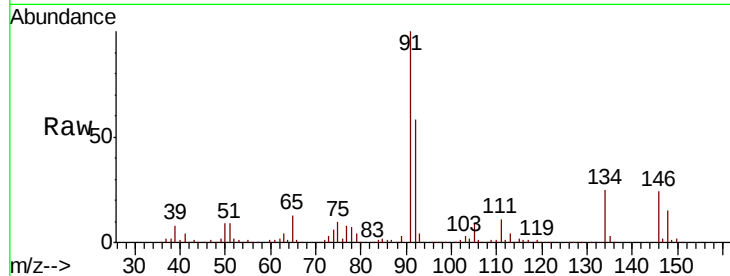
Tot Ion: 91 Resp: 922023

Ion Ratio Lower Upper

91 100

92 58.2 30.3 91.0

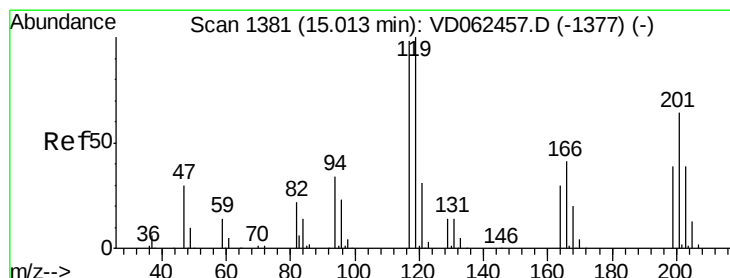
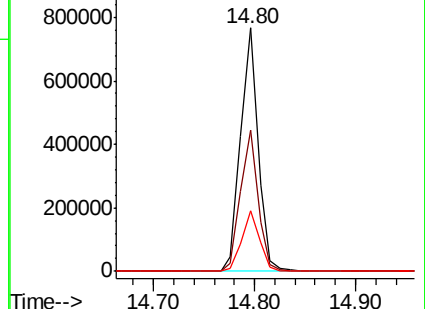
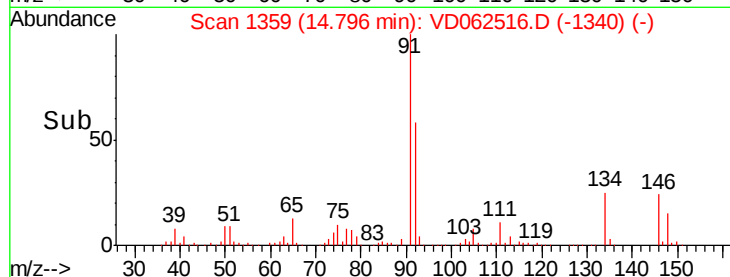
134 24.8 14.5 43.6



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): VDC



#90

Hexachloroethane

Concen: 45.918 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062516.D

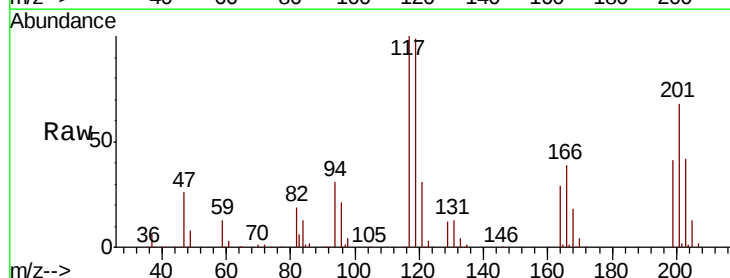
Acq: 23 May 2019 12:20

Tgt Ion: 117 Resp: 277708

Ion Ratio Lower Upper

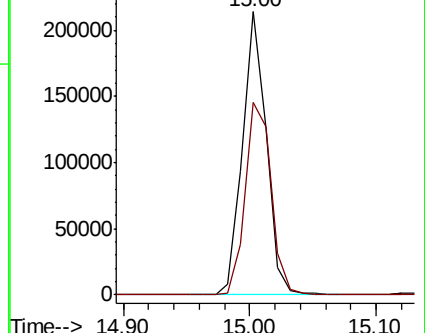
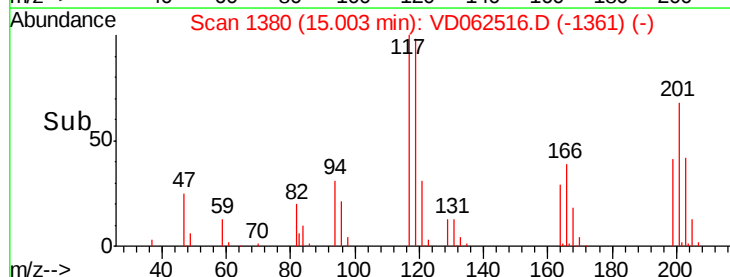
117 100

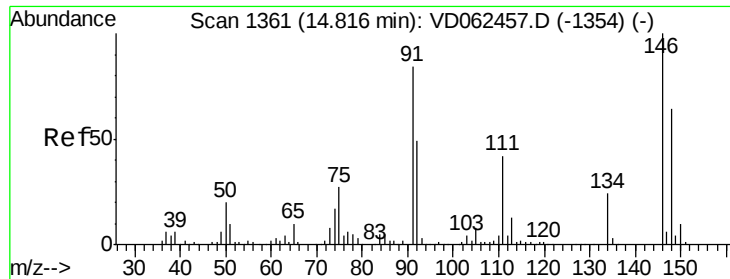
201 68.0 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

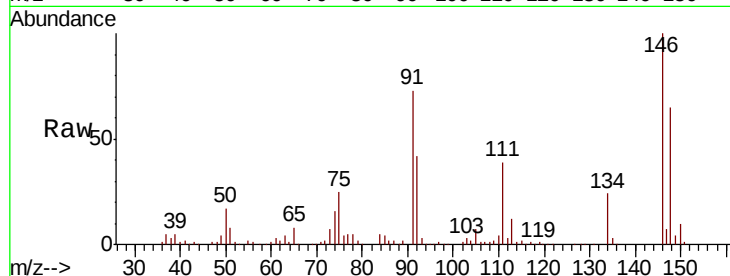




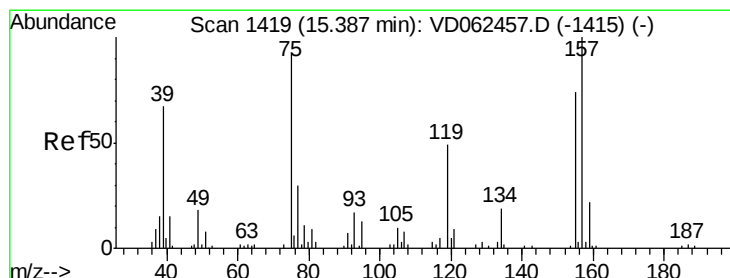
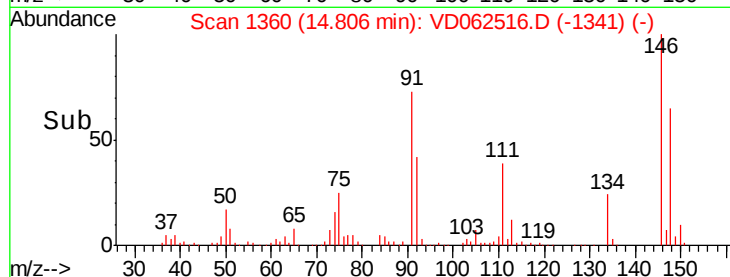
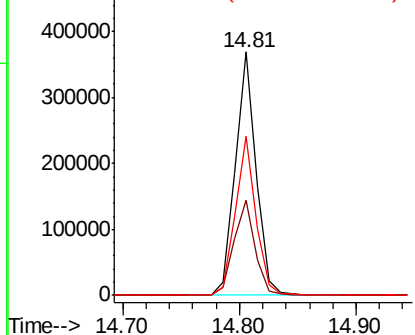
#91
 1,2-Dichlorobenzene
 Concen: 44.341 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 455447
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.0 59.9
 148 65.4 32.3 96.8

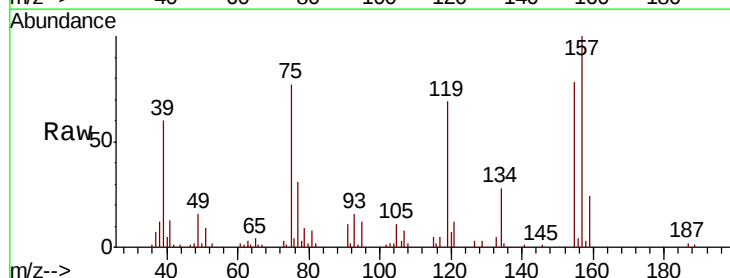


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

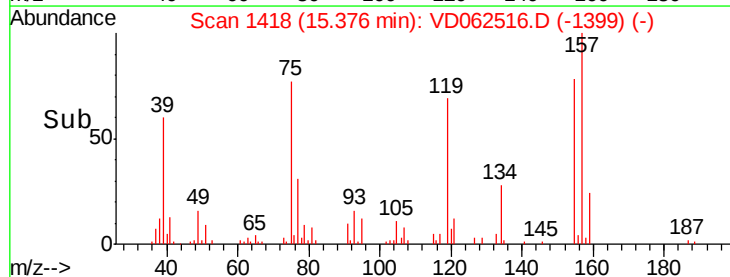
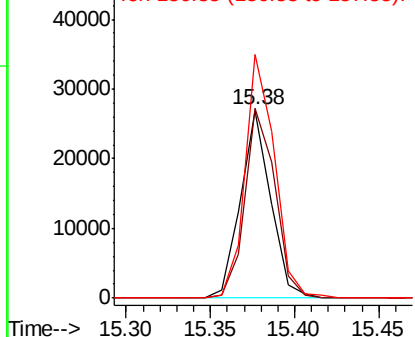


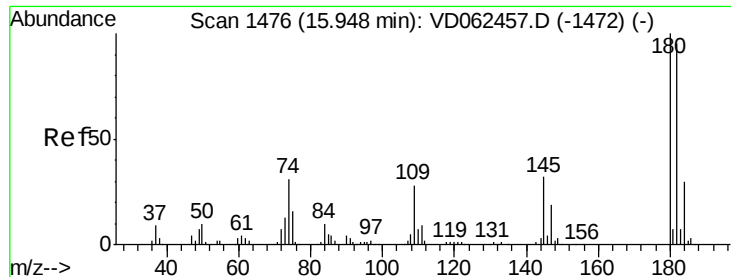
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.344 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion: 75 Resp: 33313
 Ion Ratio Lower Upper
 75 100
 155 101.4 55.3 165.8
 157 129.9 67.8 203.2



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

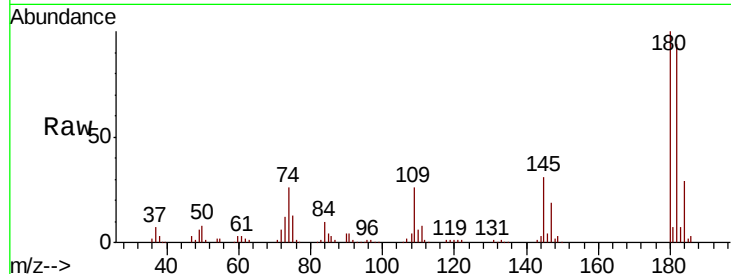




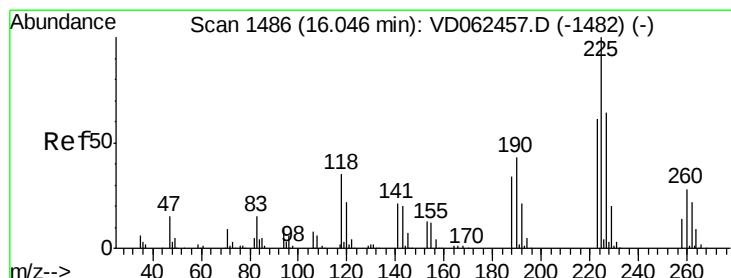
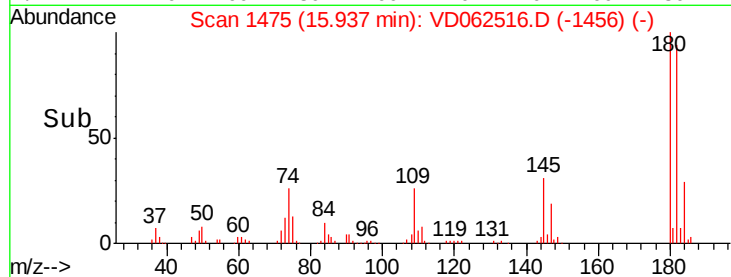
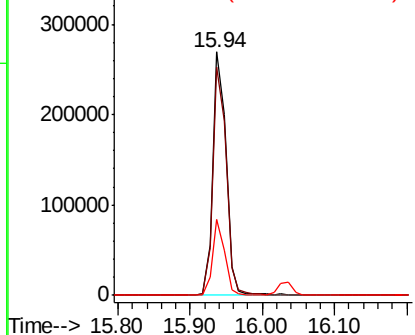
#93
 1,2,4-Trichlorobenzene
 Concen: 42.098 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 340483
 Ion Ratio Lower Upper
 180 100
 182 93.6 49.3 147.8
 145 31.4 16.2 48.6

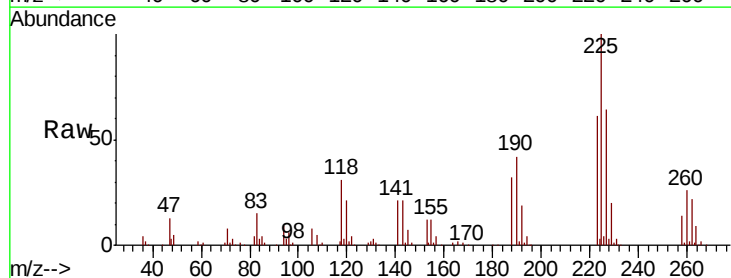


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

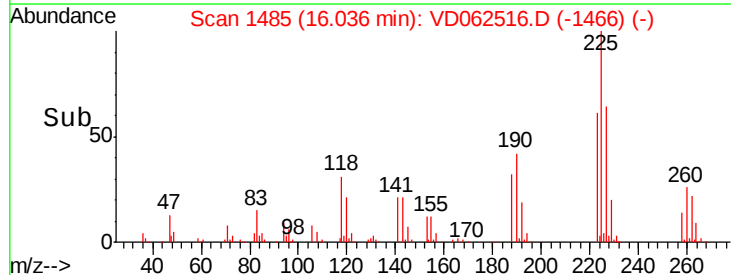
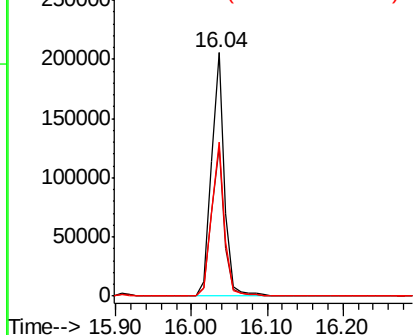


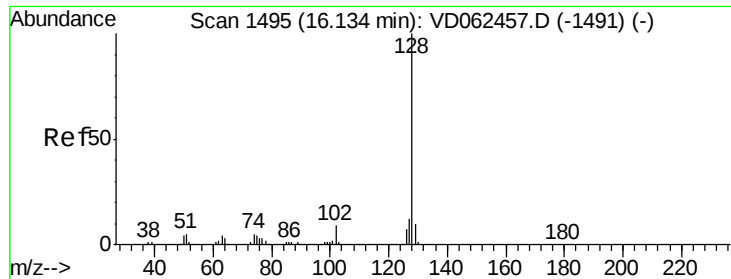
#94
 Hexachlorobutadiene
 Concen: 41.669 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062516.D
 Acq: 23 May 2019 12:20

Tgt Ion:225 Resp: 248838
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.6 92.0
 227 63.5 32.0 96.2



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

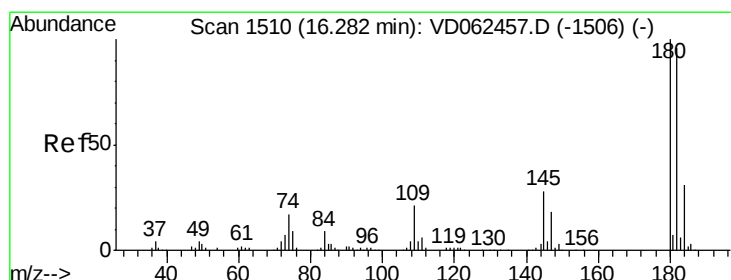
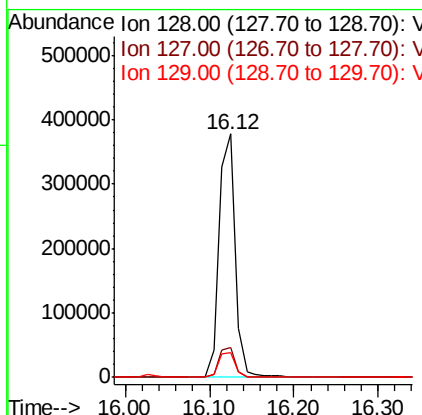
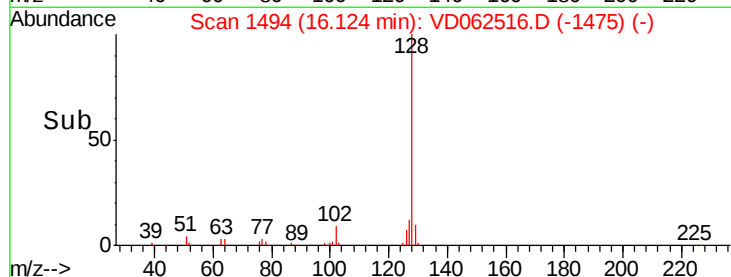
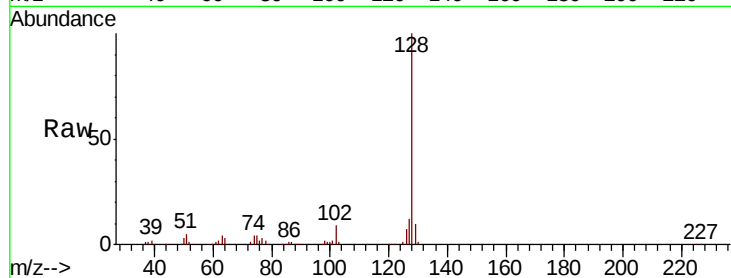




#95
Naphthalene
Concen: 45.441 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 502179
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 39.539 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VD062516.D
Acq: 23 May 2019 12:20

Tgt Ion:180 Resp: 262155
Ion Ratio Lower Upper
180 100
182 95.1 47.0 141.0
145 27.8 17.0 51.0

