

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067313.D
 Acq On : 20 Oct 2020 10:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 21 01:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	338349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	488096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	452446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224599	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	156781	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
35) Dibromofluoromethane	7.91	113	161822	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	10.34	98	589806	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.64	95	199987	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	131624	48.317	ug/l	97
3) Chloromethane	2.21	50	95173	44.695	ug/l	98
4) Vinyl Chloride	2.35	62	110935	47.481	ug/l	94
5) Bromomethane	2.77	94	86439	53.321	ug/l	100
6) Chloroethane	2.93	64	70033	48.131	ug/l	93
7) Trichlorofluoromethane	3.27	101	285423	48.514	ug/l	97
8) Diethyl Ether	3.71	74	61674	45.812	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	152617	48.826	ug/l	97
10) Methyl Iodide	4.30	142	160175	55.551	ug/l	98
11) Tert butyl alcohol	5.21	59	39206	216.321	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	136926	49.034	ug/l	97
13) Acrolein	3.92	56	57328	280.116	ug/l	97
14) Allyl chloride	4.71	41	159312	49.818	ug/l	99
15) Acrylonitrile	5.41	53	112919	251.376	ug/l	99
16) Acetone	4.16	43	130419	274.720	ug/l	95
17) Carbon Disulfide	4.41	76	368927	46.343	ug/l	98
18) Methyl Acetate	4.72	43	52056	48.075	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	281072	50.620	ug/l	98
20) Methylene Chloride	4.97	84	151093	49.656	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	160380	49.908	ug/l	92
22) Diisopropyl ether	6.36	45	299277	51.231	ug/l	97
23) Vinyl Acetate	6.30	43	904403	272.123	ug/l	100
24) 1,1-Dichloroethane	6.27	63	250767	50.147	ug/l	100
25) 2-Butanone	7.21	43	134876	249.240	ug/l	96
26) 2,2-Dichloropropane	7.21	77	264239	51.266	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	176224	50.037	ug/l	99
28) Bromochloromethane	7.54	49	84336	49.445	ug/l #	98
29) Tetrahydrofuran	7.56	42	75611	251.355	ug/l	93
30) Chloroform	7.71	83	298957	50.045	ug/l	94
31) Cyclohexane	7.98	56	186702	47.820	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	299528	51.103	ug/l	100
36) 1,1-Dichloropropene	8.11	75	215606	52.117	ug/l	98
37) Ethyl Acetate	7.30	43	62590	51.423	ug/l #	89
38) Carbon Tetrachloride	8.10	117	281833	53.303	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	231357	53.495	ug/l	99
40) Benzene	8.36	78	603152	53.145	ug/l	100
41) Methacrylonitrile	7.53	41	37850	57.546	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	185258	52.160	ug/l	100
43) Isopropyl Acetate	8.45	43	129121	53.463	ug/l	100
44) Trichloroethene	9.11	130	191634	52.737	ug/l	98
45) 1,2-Dichloropropane	9.39	63	134814	51.255	ug/l	95
46) Dibromomethane	9.48	93	83377	50.877	ug/l	99
47) Bromodichloromethane	9.67	83	229150	52.190	ug/l	98
48) Methyl methacrylate	9.46	41	69039	58.822	ug/l #	85
49) 1,4-Dioxane	9.46	88	17003	1074.386	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	319104	264.902	ug/l	98
52) Toluene	10.40	92	413652	53.513	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	203861	52.855	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	237390	52.591	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	115971	51.895	ug/l	97
56) Ethyl methacrylate	10.66	69	126175	54.441	ug/l	98
57) 1,3-Dichloropropane	10.95	76	185668	52.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	320822	269.836	ug/l	99
59) 2-Hexanone	10.99	43	237848	288.950	ug/l	99
60) Dibromochloromethane	11.14	129	170249	52.239	ug/l	100
61) 1,2-Dibromoethane	11.25	107	113481	51.509	ug/l	98
64) Tetrachloroethene	10.88	164	166716	50.857	ug/l	96
65) Chlorobenzene	11.67	112	449665	51.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	181839	52.733	ug/l	99
67) Ethyl Benzene	11.75	91	798568	53.694	ug/l	98
68) m/p-Xylenes	11.86	106	615277	107.431	ug/l	98
69) o-Xylene	12.18	106	280853	52.957	ug/l	97
70) Styrene	12.20	104	481568	52.749	ug/l	98
71) Bromoform	12.37	173	96768	52.236	ug/l #	100
73) Isopropylbenzene	12.48	105	801997	56.262	ug/l	100
74) N-amyl acetate	12.30	43	115874	53.822	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	115652	52.951	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	156772	100.709	ug/l #	100
77) Bromobenzene	12.77	156	191283	53.825	ug/l	99
78) n-propylbenzene	12.83	91	913605	55.317	ug/l	100
79) 2-Chlorotoluene	12.91	91	519484	54.238	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	684623	55.269	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	38372	55.899	ug/l	97
82) 4-Chlorotoluene	13.01	91	544456	53.560	ug/l	99
83) tert-Butylbenzene	13.23	119	584400	55.851	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	680990	55.622	ug/l	99
85) sec-Butylbenzene	13.41	105	804097	56.005	ug/l	100
86) p-Isopropyltoluene	13.52	119	748959	55.267	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	362228	52.955	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	359525	53.051	ug/l	99
89) n-Butylbenzene	13.85	91	679035	56.957	ug/l	98
90) Hexachloroethane	14.12	117	126086	53.317	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	313619	52.483	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20160	50.807	ug/l	95

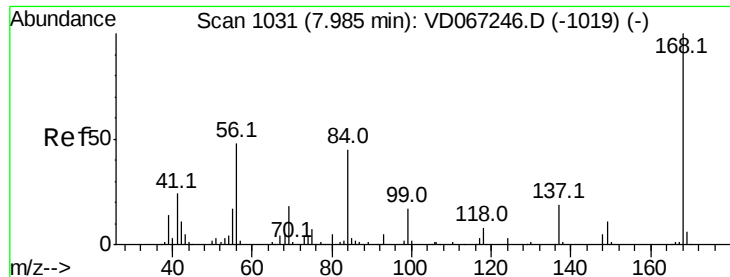
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	220870	54.822	ug/l	98
94) Hexachlorobutadiene	15.27	225	138231	55.251	ug/l	98
95) Naphthalene	15.41	128	366847	55.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	192256	55.236	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

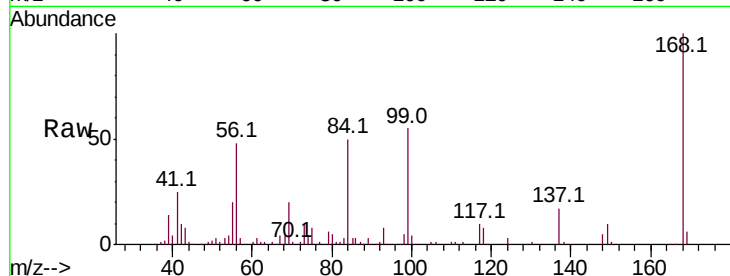
VSTDCCC050

Tot Ion:168 Resp: 338349

Ion Ratio Lower Upper

168 100

99 54.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

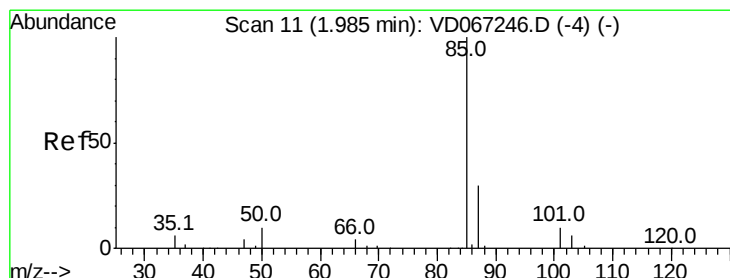
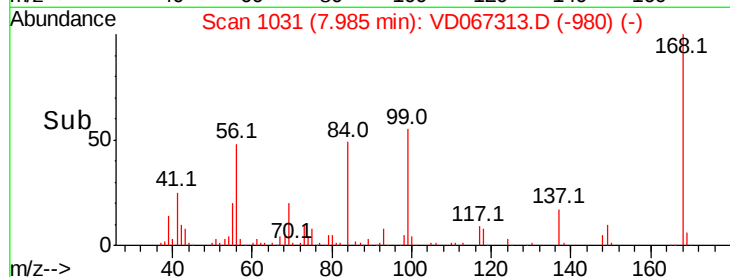
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.317 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067313.D

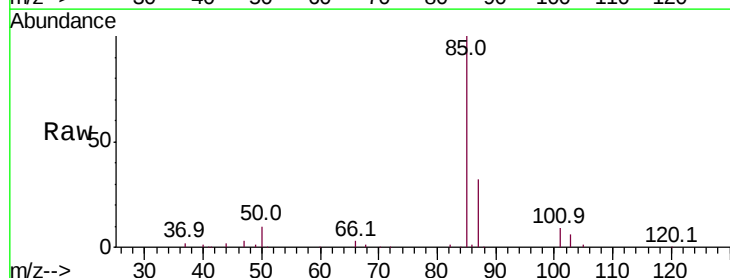
Acq: 20 Oct 2020 10:04

Tgt Ion: 85 Resp: 131624

Ion Ratio Lower Upper

85 100

87 31.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

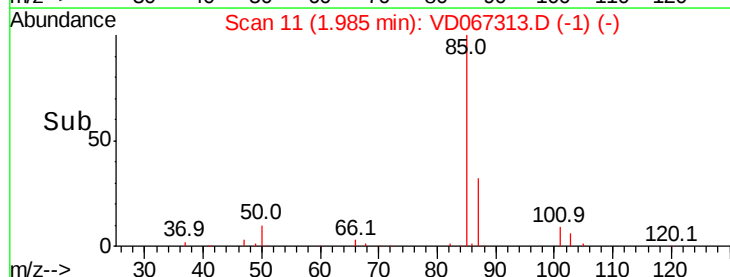
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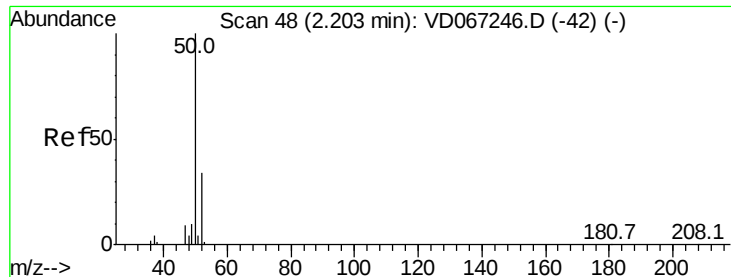
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20000

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Time-->





#3

Chloromethane

Concen: 44.695 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

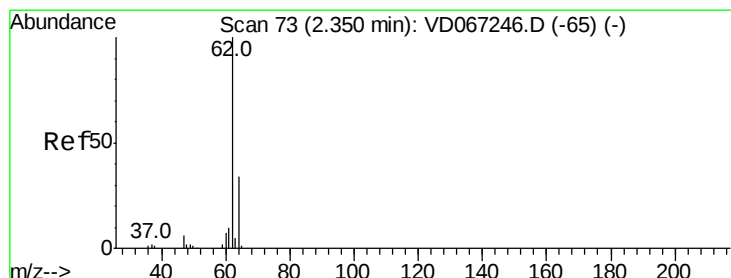
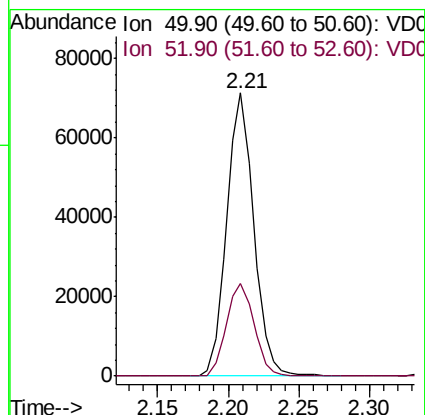
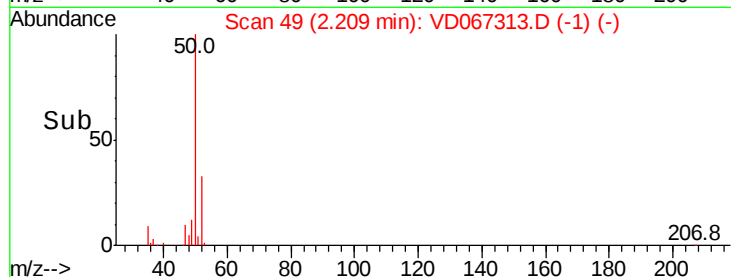
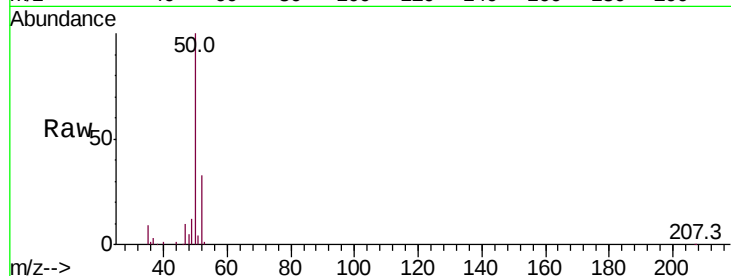
VSTDCCC050

Tot Ion: 50 Resp: 95173

Ion Ratio Lower Upper

50 100

52 32.8 27.1 40.7



#4

Vinyl Chloride

Concen: 47.481 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067313.D

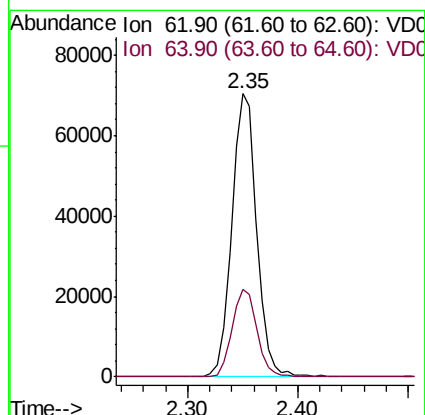
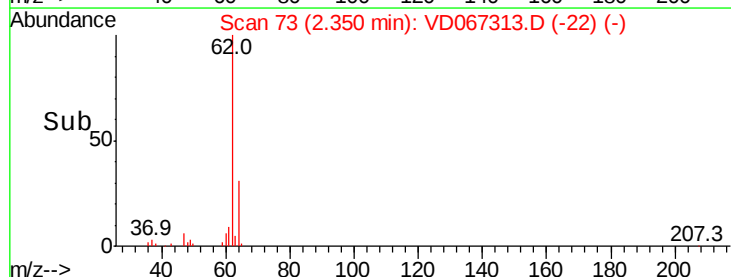
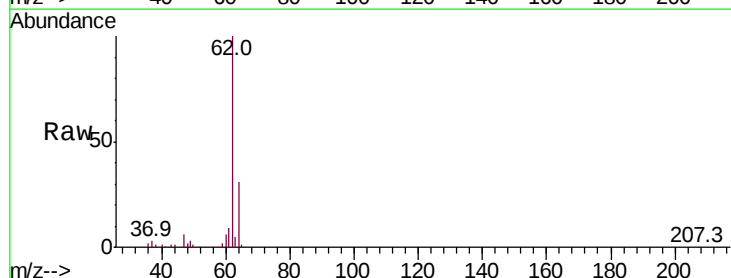
Acq: 20 Oct 2020 10:04

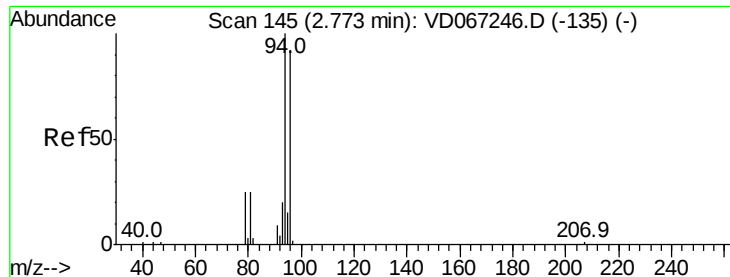
Tgt Ion: 62 Resp: 110935

Ion Ratio Lower Upper

62 100

64 31.0 27.4 41.0





#5

Bromomethane

Concen: 53.321 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

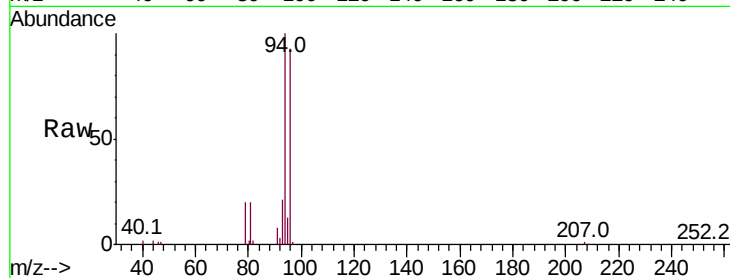
VSTDCCC050

Tot Ion: 94 Resp: 86439

Ion Ratio Lower Upper

94 100

96 92.5 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

30000

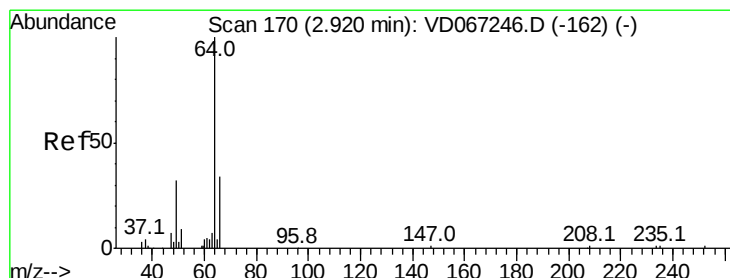
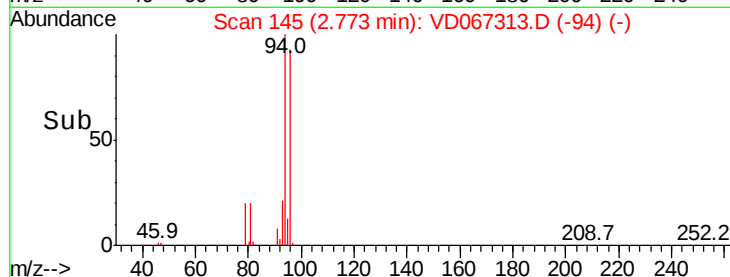
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10000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 48.131 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067313.D

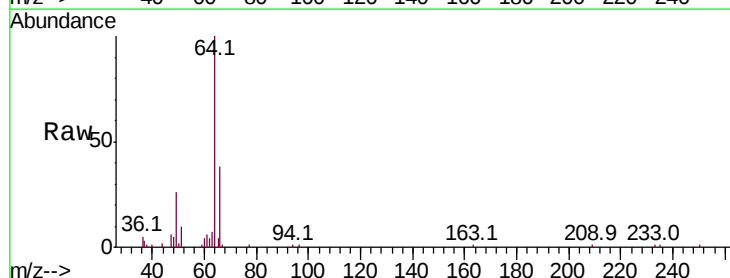
Acq: 20 Oct 2020 10:04

Tgt Ion: 64 Resp: 70033

Ion Ratio Lower Upper

64 100

66 38.0 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

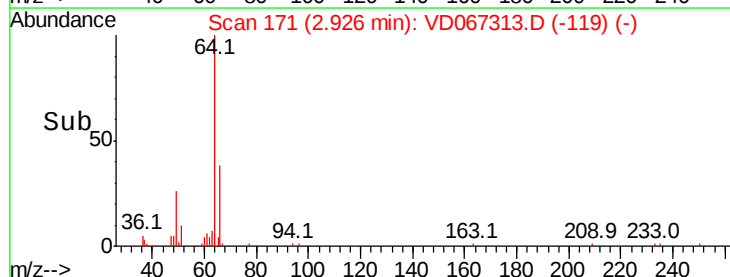
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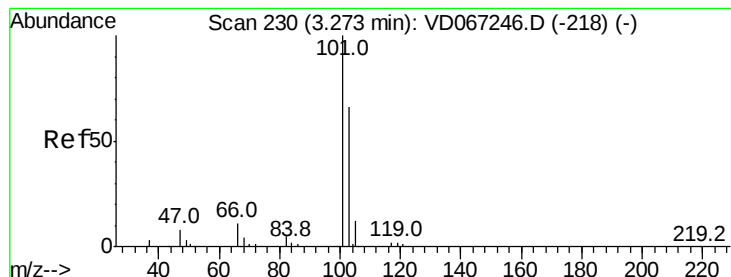
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2.85 2.90 2.95 3.00

Time-->



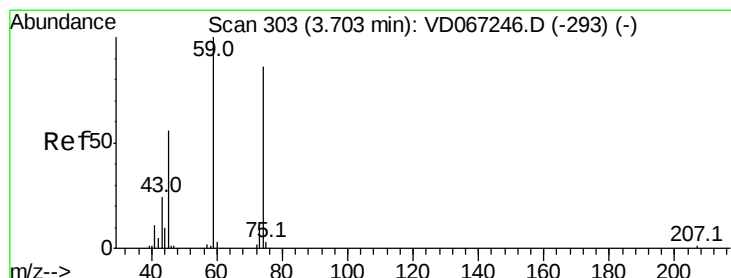
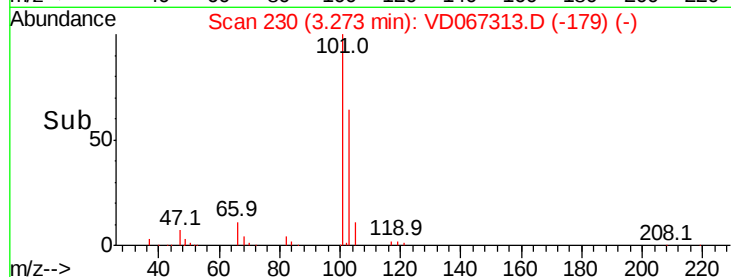
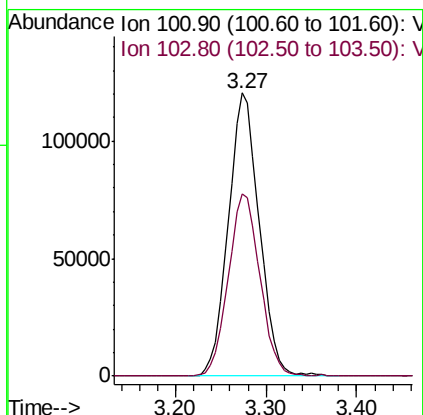
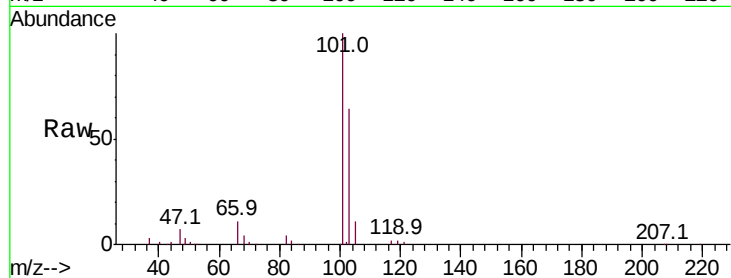


#7

Trichlorofluoromethane
Concen: 48.514 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
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VSTDCCC050

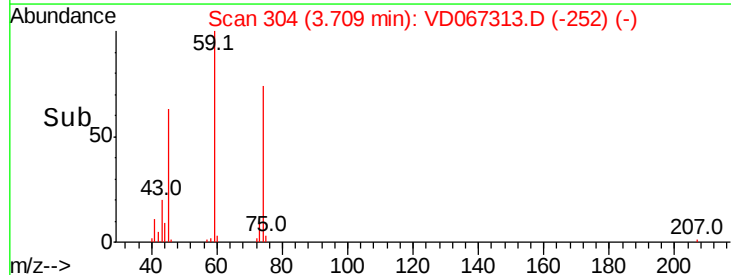
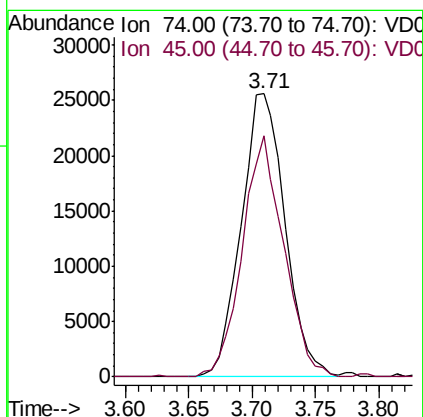
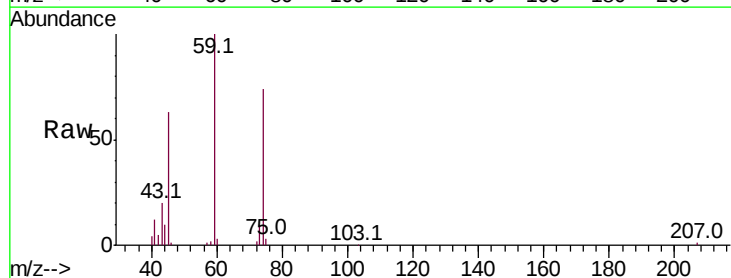
Tot Ion:101 Resp: 285423
Ion Ratio Lower Upper
101 100
103 64.3 53.1 79.7

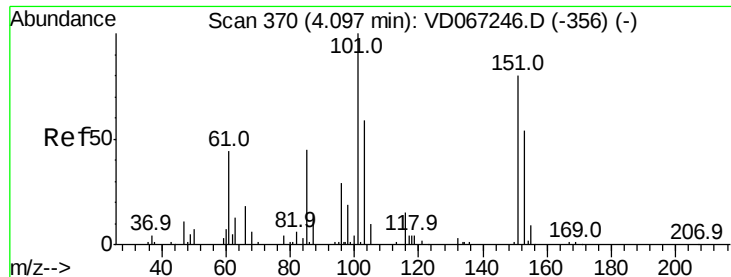


#8

Diethyl Ether
Concen: 45.812 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 74 Resp: 61674
Ion Ratio Lower Upper
74 100
45 80.1 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.826 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

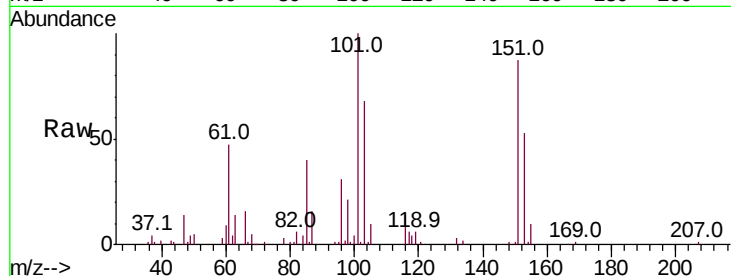
Tot Ion:101 Resp: 152617

Ion Ratio Lower Upper

101 100

85 44.0 34.2 51.4

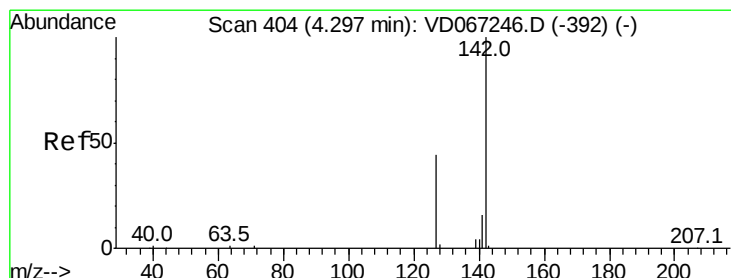
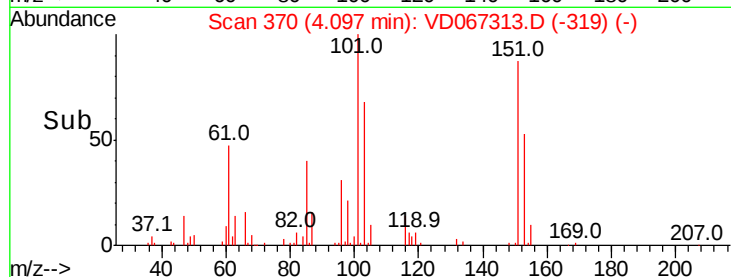
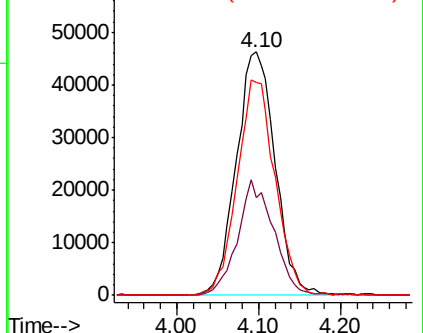
151 86.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.551 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

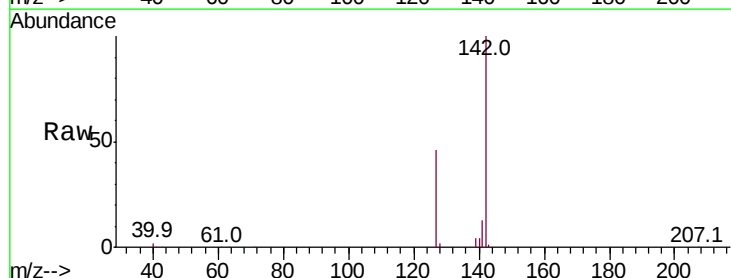
Tgt Ion:142 Resp: 160175

Ion Ratio Lower Upper

142 100

127 49.2 38.4 57.6

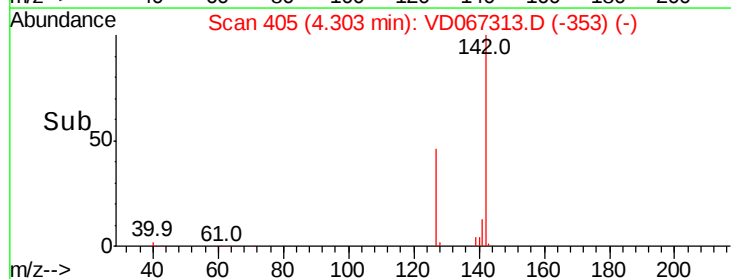
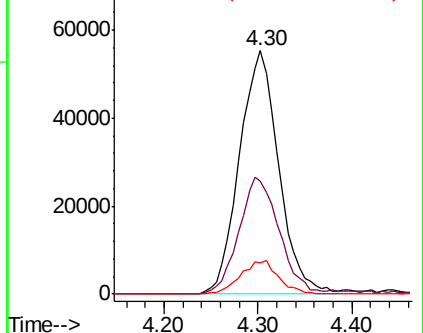
141 13.4 11.6 17.4

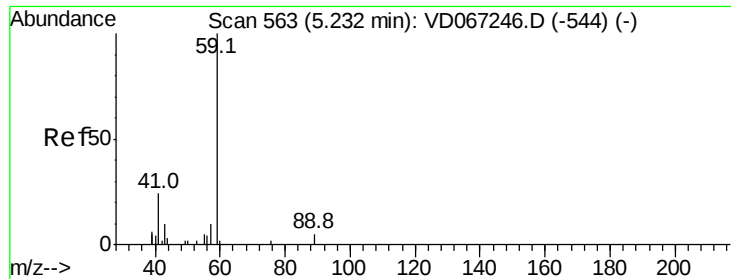


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



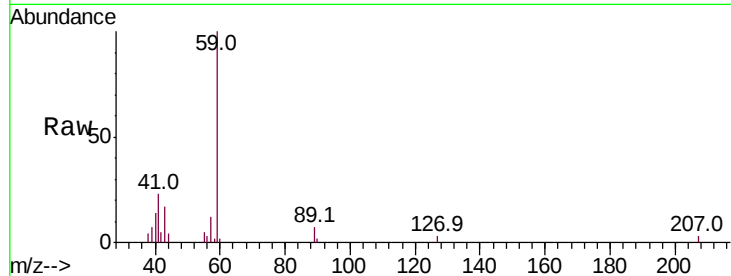


#11

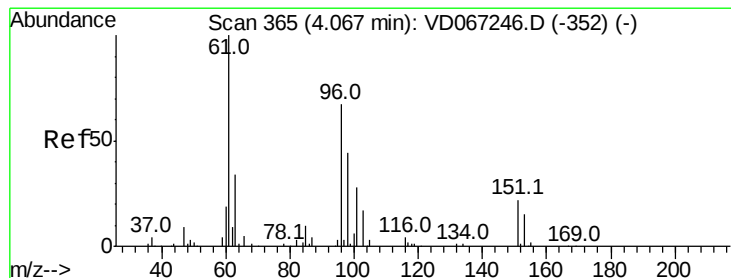
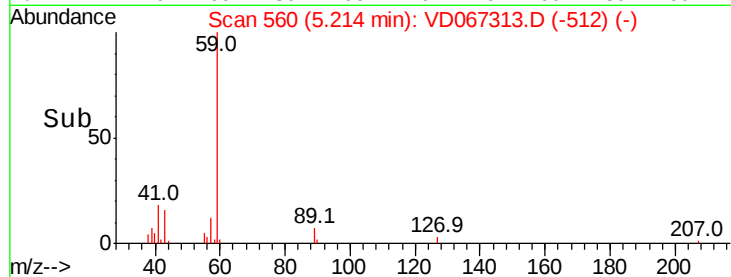
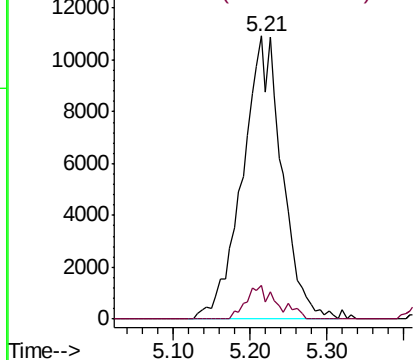
Tert butyl alcohol
Concen: 216.321 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 39206
Ion Ratio Lower Upper
59 100
57 7.8 5.1 7.7#



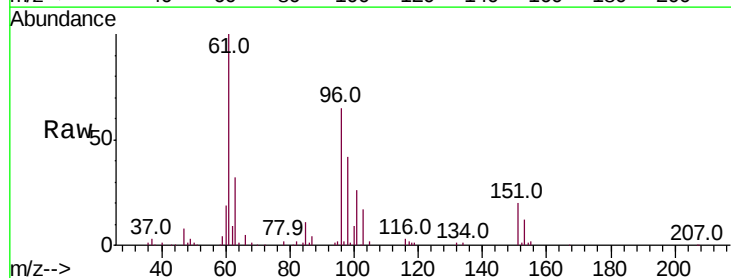
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



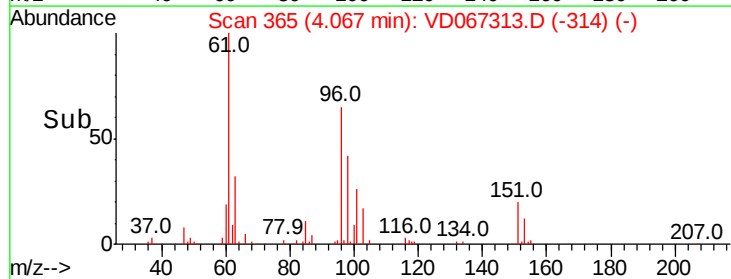
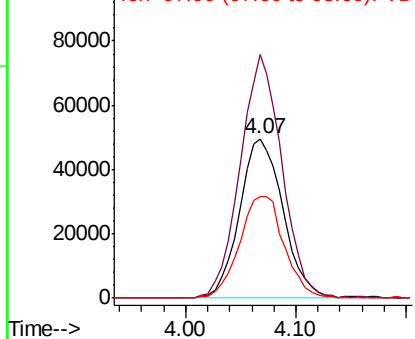
#12

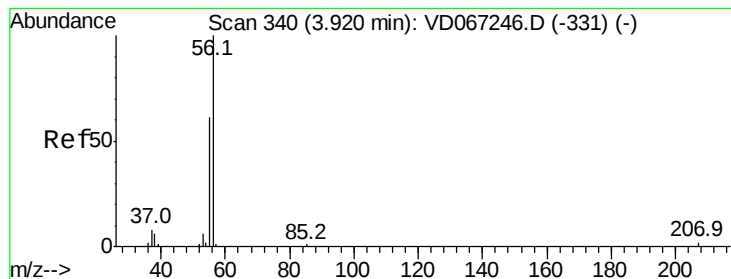
1,1-Dichloroethene
Concen: 49.034 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 96 Resp: 136926
Ion Ratio Lower Upper
96 100
61 152.9 118.6 177.8
98 64.0 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 280.116 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

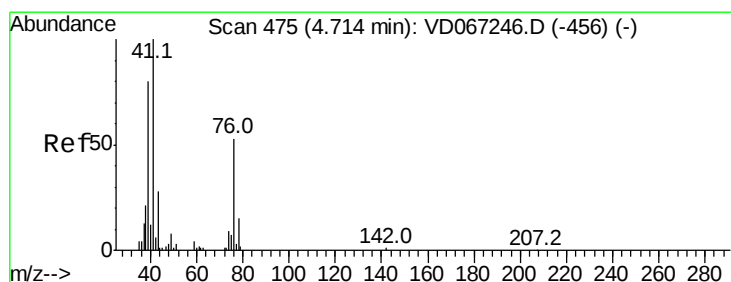
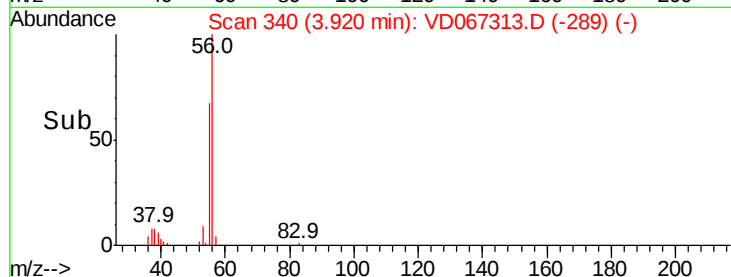
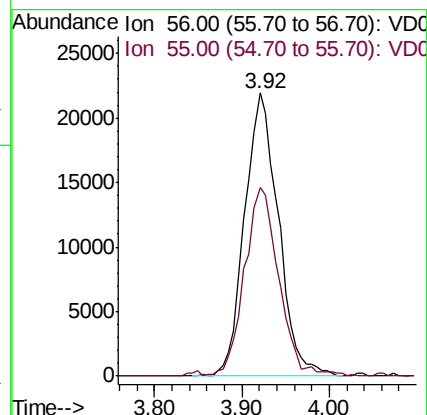
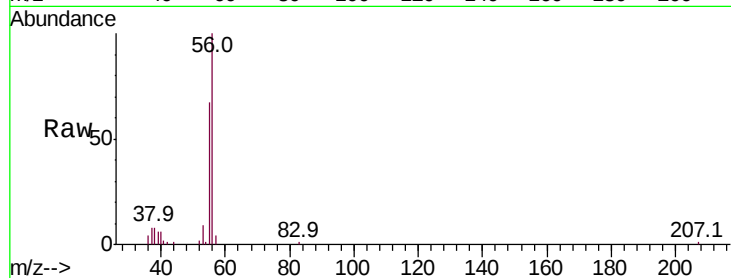
VSTDCCC050

Tot Ion: 56 Resp: 57328

Ion Ratio Lower Upper

56 100

55 67.8 56.0 84.0



#14

Allyl chloride

Concen: 49.818 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

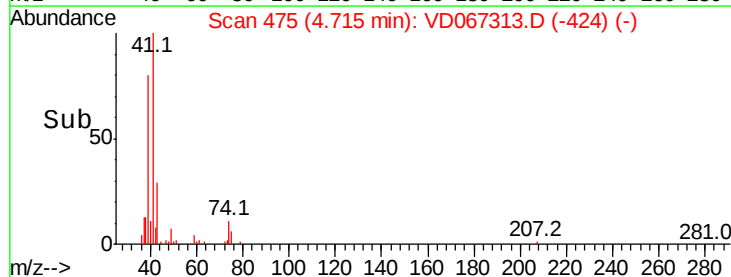
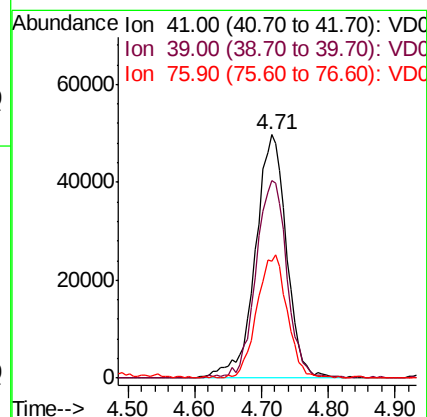
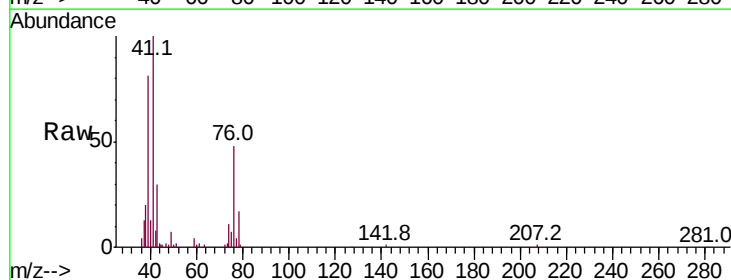
Tgt Ion: 41 Resp: 159312

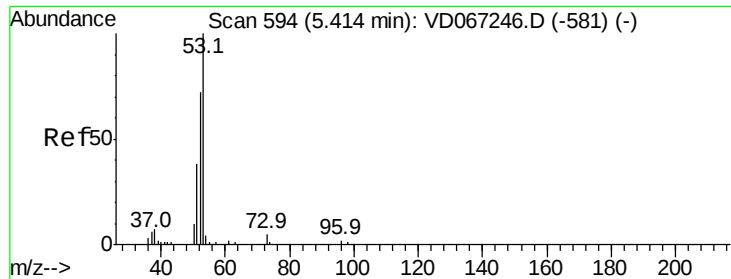
Ion Ratio Lower Upper

41 100

39 78.9 63.8 95.6

76 49.3 40.4 60.6





#15

Acrylonitrile

Concen: 251.376 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

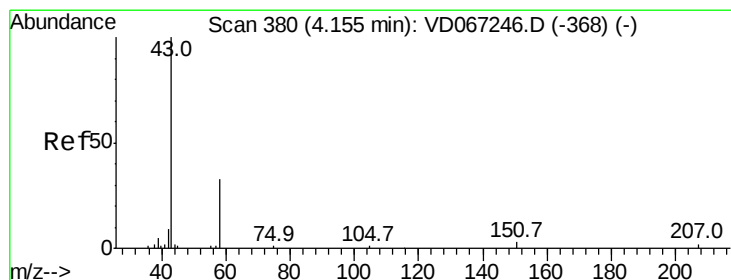
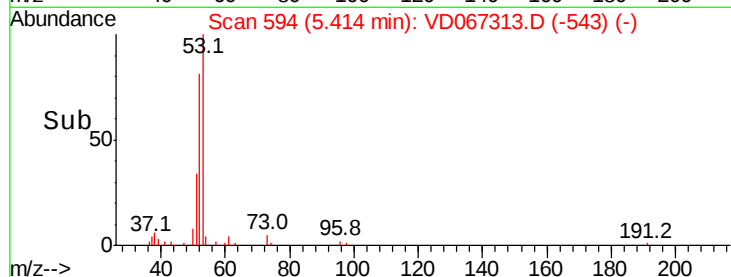
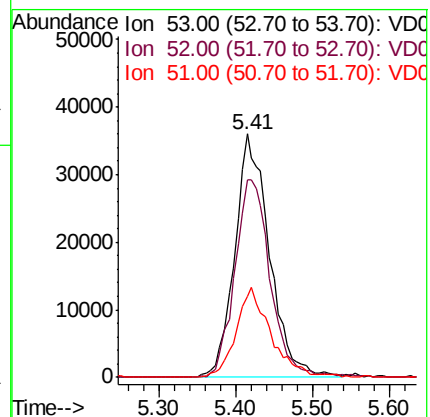
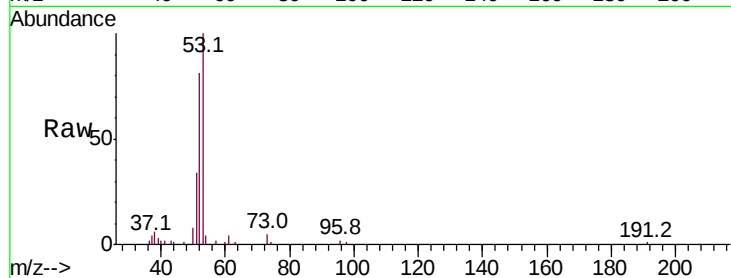
Tot Ion: 53 Resp: 112919

Ion Ratio Lower Upper

53 100

52 82.9 65.6 98.4

51 37.4 30.8 46.2



#16

Acetone

Concen: 274.720 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067313.D

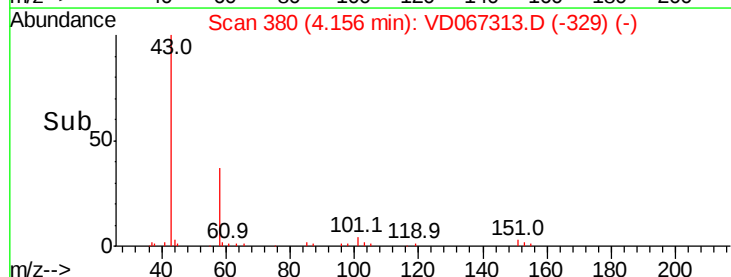
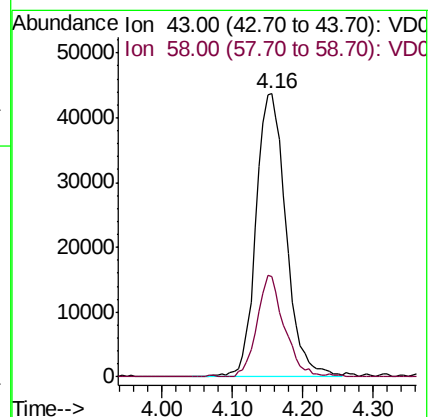
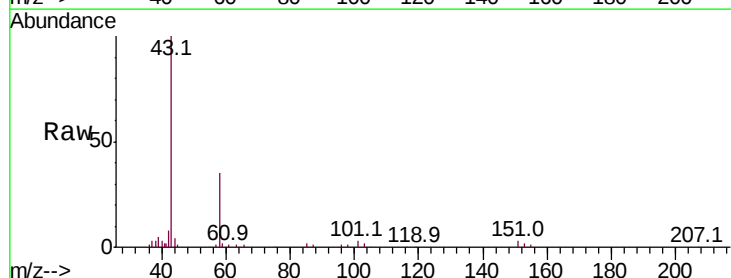
Acq: 20 Oct 2020 10:04

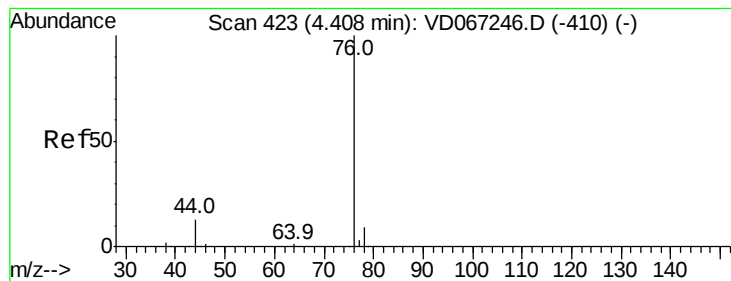
Tgt Ion: 43 Resp: 130419

Ion Ratio Lower Upper

43 100

58 35.3 26.1 39.1





#17

Carbon Disulfide

Concen: 46.343 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

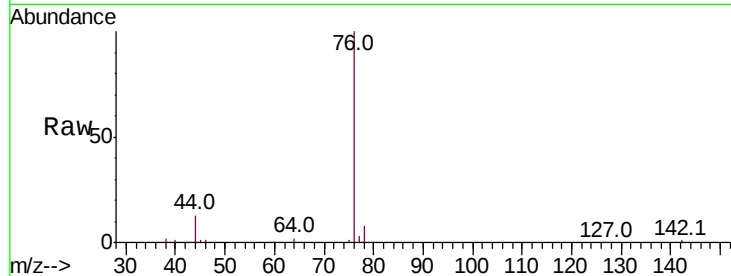
VSTDCCC050

Tot Ion: 76 Resp: 368927

Ion Ratio Lower Upper

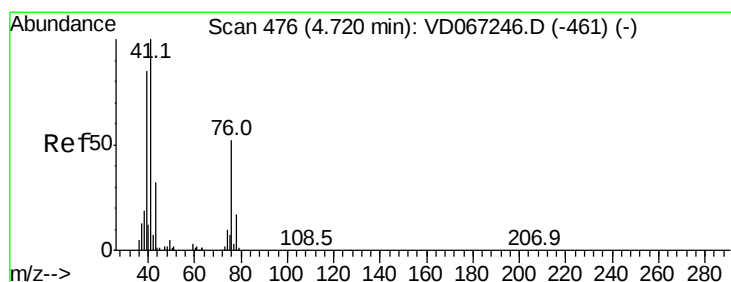
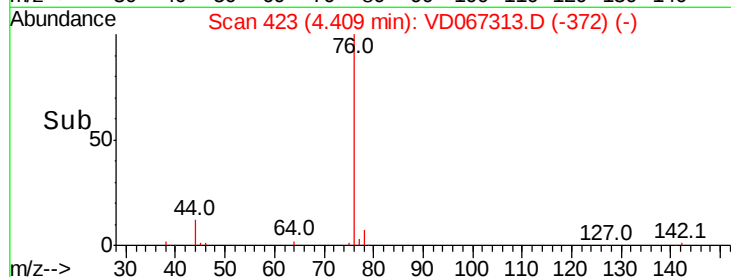
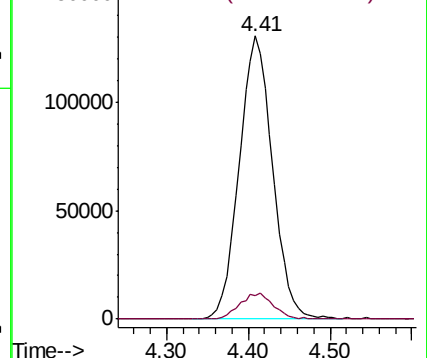
76 100

78 8.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 48.075 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067313.D

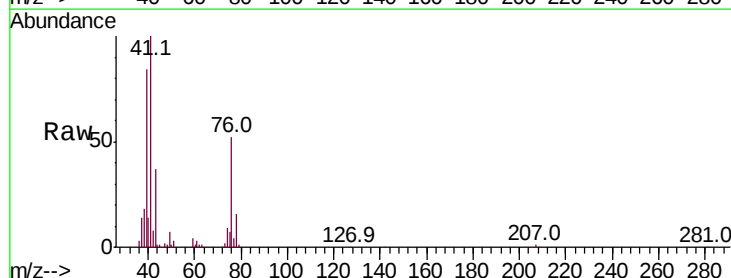
Acq: 20 Oct 2020 10:04

Tgt Ion: 43 Resp: 52056

Ion Ratio Lower Upper

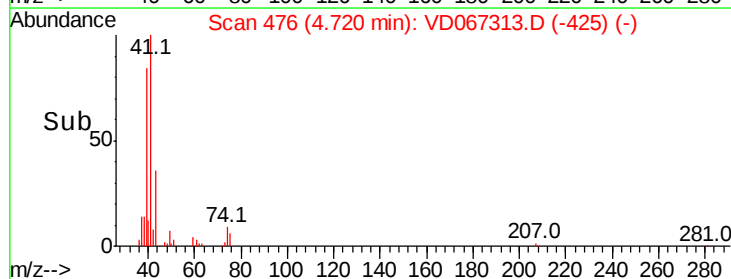
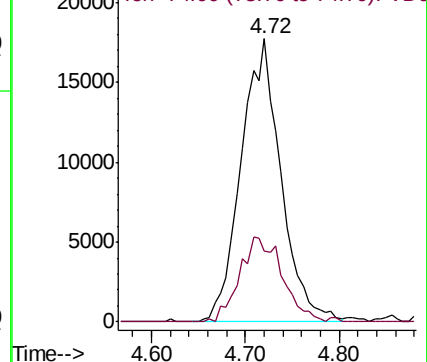
43 100

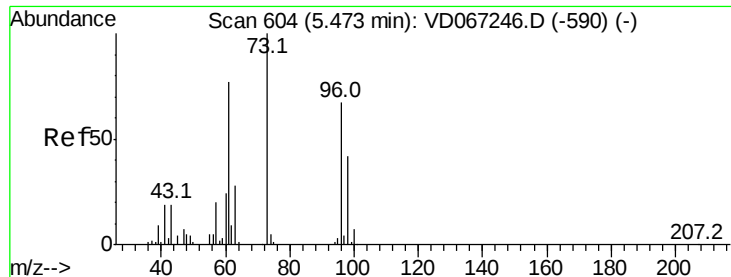
74 32.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

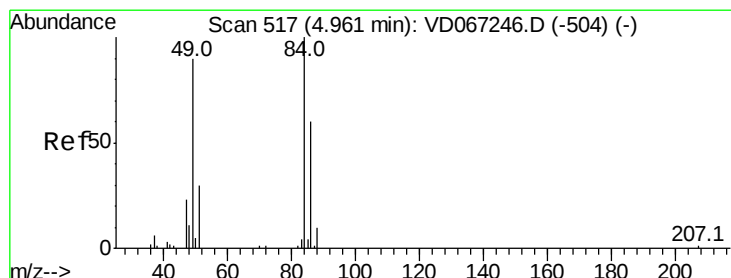
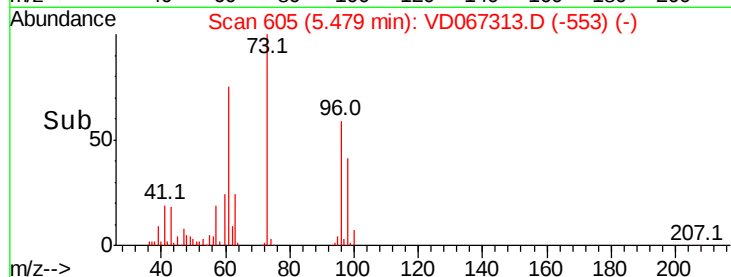
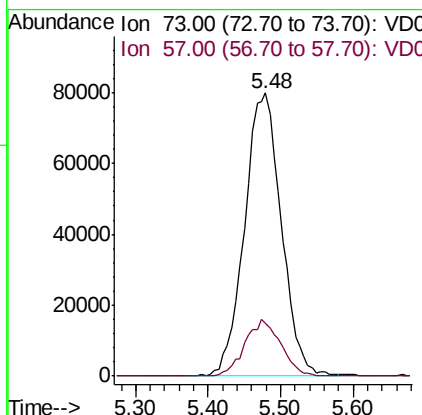
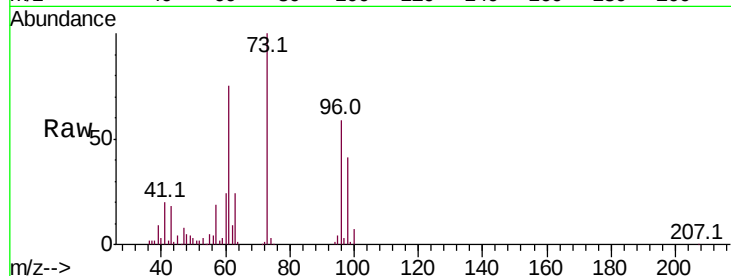




#19
Methyl tert-butyl Ether
Concen: 50.620 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

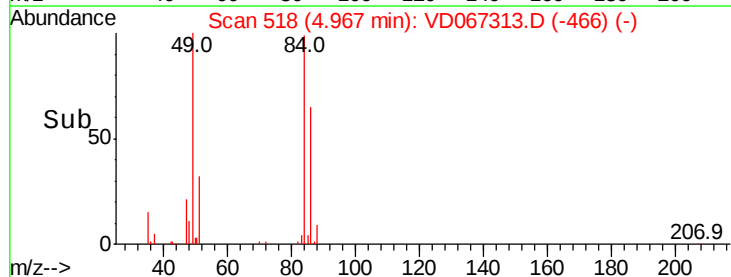
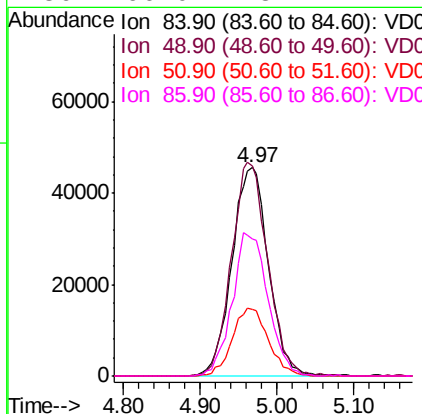
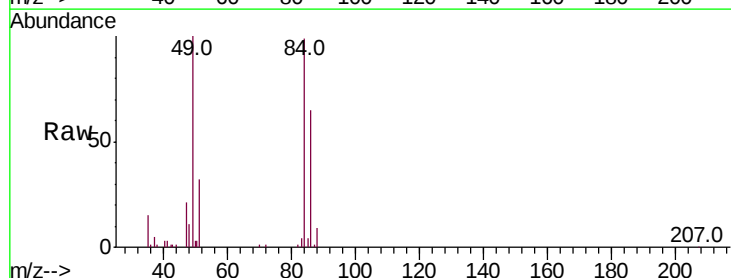
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

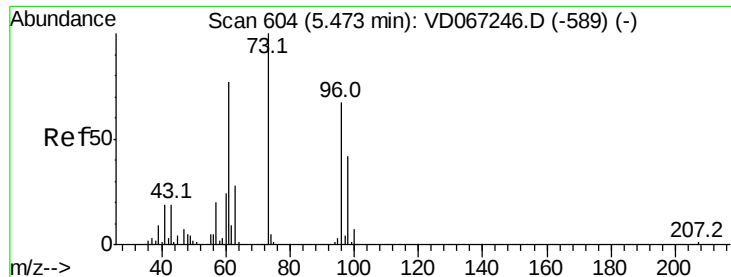
Tot Ion: 73 Resp: 281072
Ion Ratio Lower Upper
73 100
57 18.8 15.7 23.5



#20
Methylene Chloride
Concen: 49.656 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 84 Resp: 151093
Ion Ratio Lower Upper
84 100
49 101.0 72.2 108.2
51 31.9 23.8 35.8
86 66.0 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 49.908 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

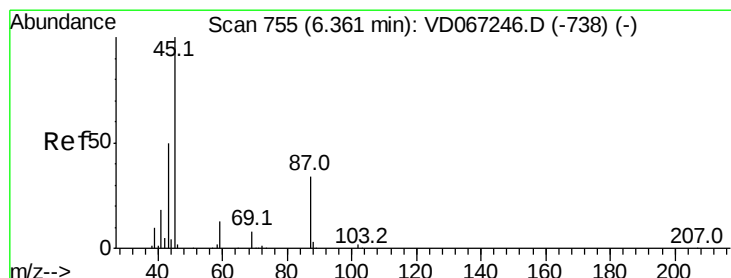
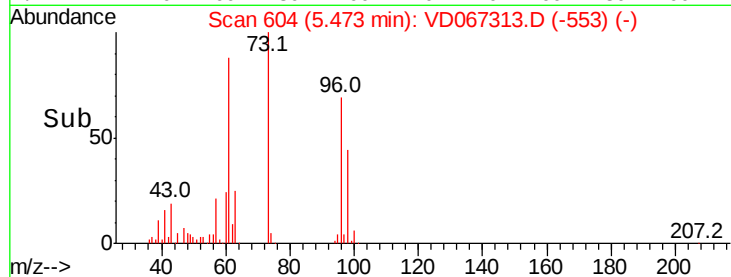
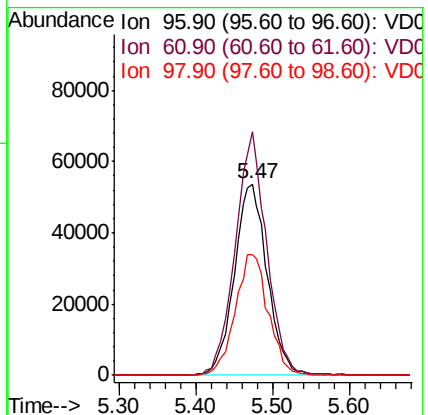
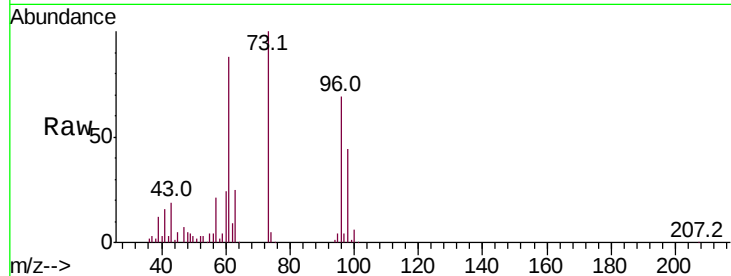
Tot Ion: 96 Resp: 160380

Ion Ratio Lower Upper

96 100

61 127.1 92.0 138.0

98 63.0 49.8 74.8



#22

Diisopropyl ether

Concen: 51.231 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Tgt Ion: 45 Resp: 299277

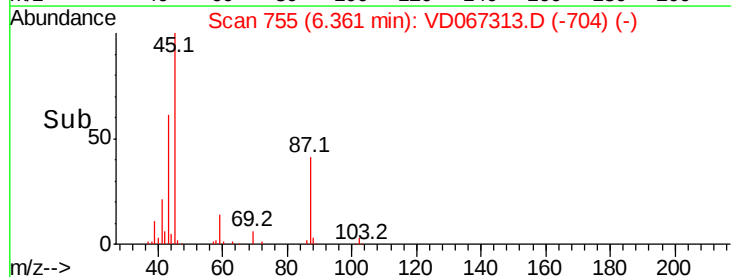
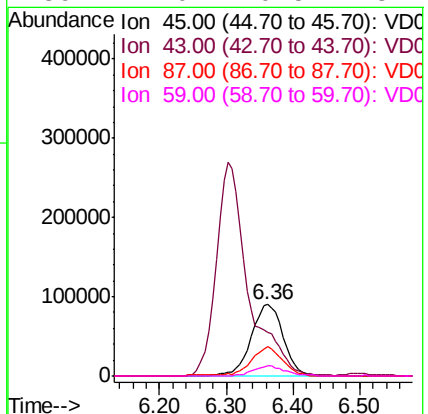
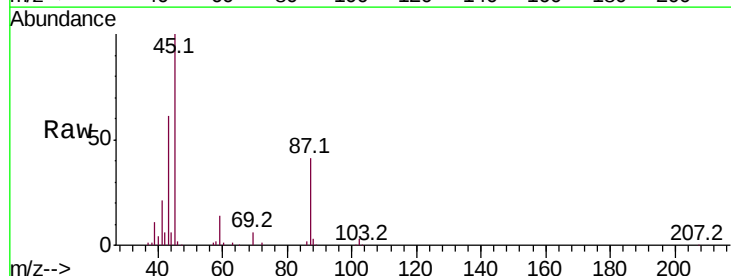
Ion Ratio Lower Upper

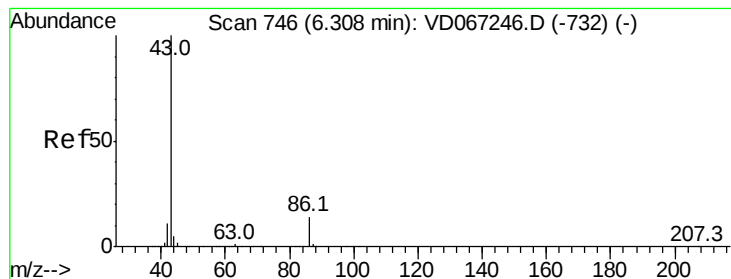
45 100

43 59.7 48.0 72.0

87 40.2 28.5 42.7

59 14.0 10.5 15.7





#23

Vinyl Acetate

Concen: 272.123 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

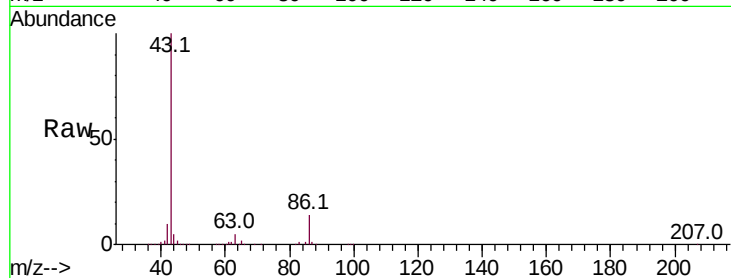
VSTDCCC050

Tot Ion: 43 Resp: 904403

Ion Ratio Lower Upper

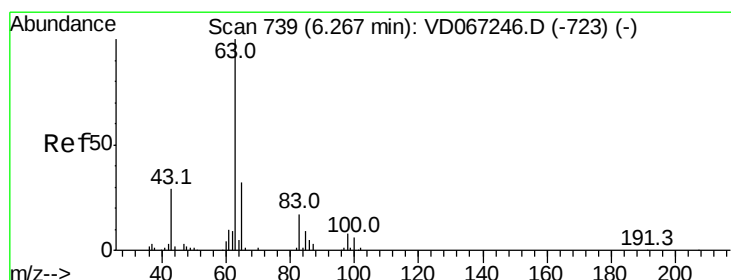
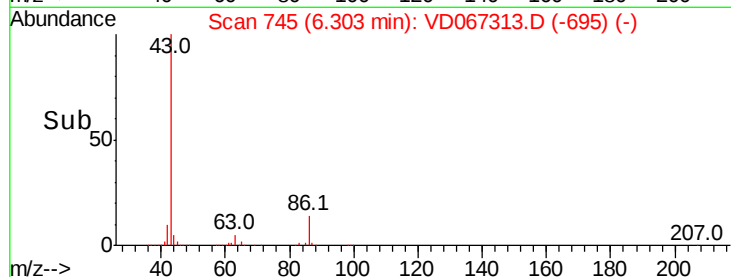
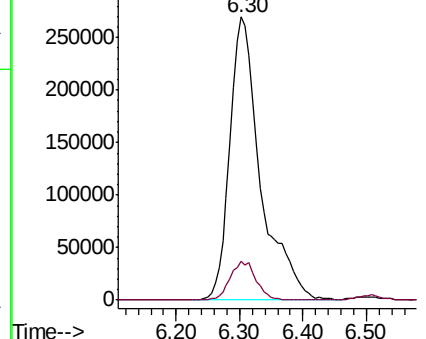
43 100

86 13.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.147 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

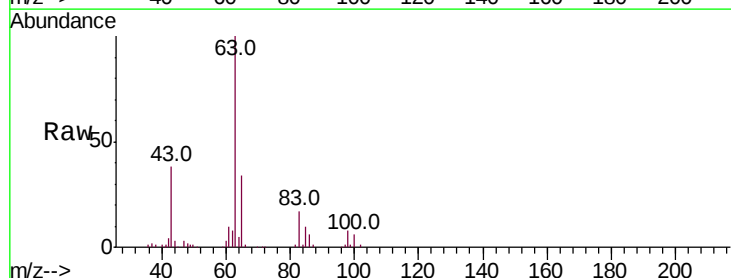
Tgt Ion: 63 Resp: 250767

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.2

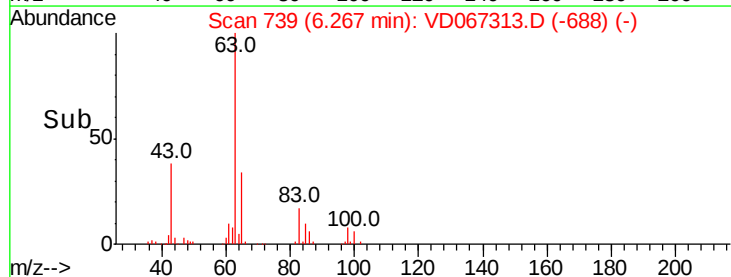
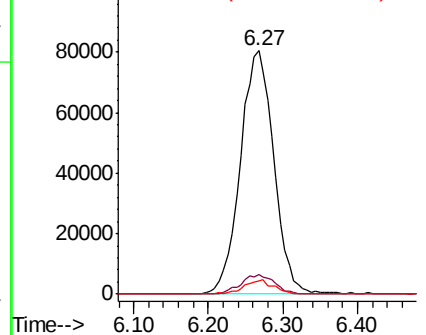
100 5.6 2.8 8.4

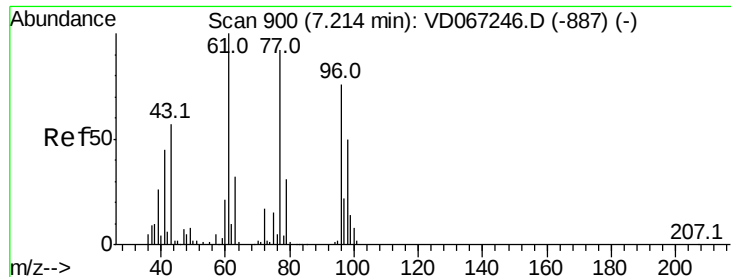


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 249.240 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

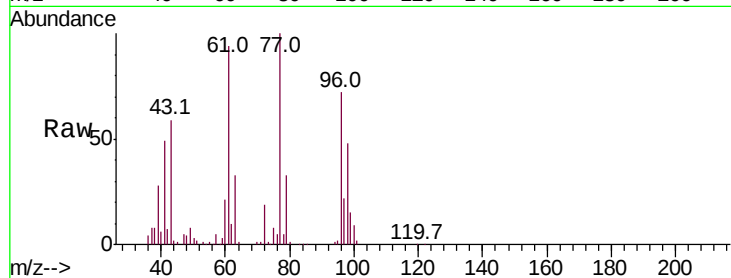
VSTDCCC050

Tot Ion: 43 Resp: 134876

Ion Ratio Lower Upper

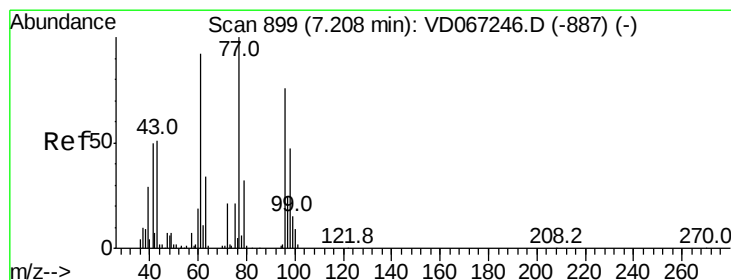
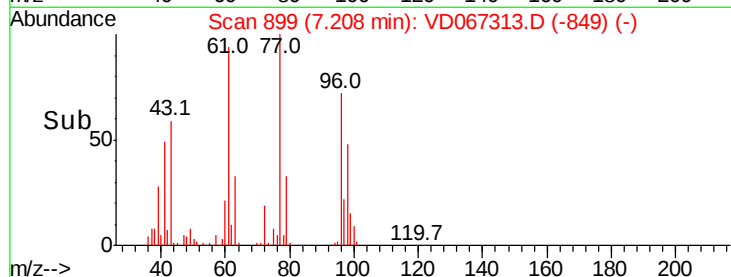
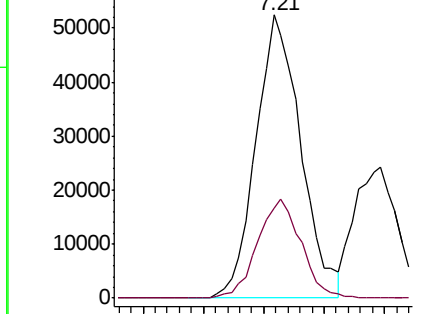
43 100

72 31.9 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.266 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067313.D

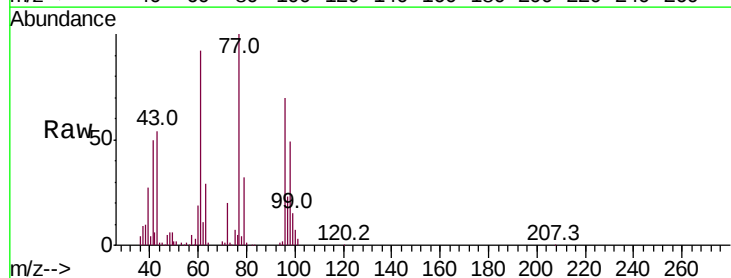
Acq: 20 Oct 2020 10:04

Tgt Ion: 77 Resp: 264239

Ion Ratio Lower Upper

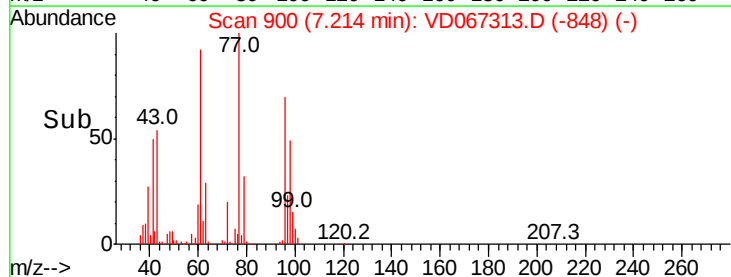
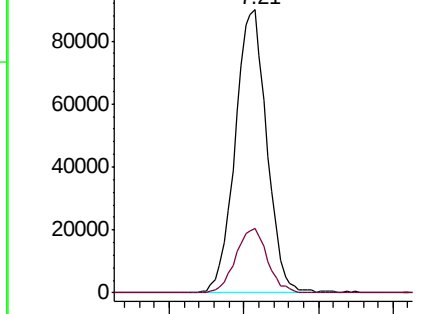
77 100

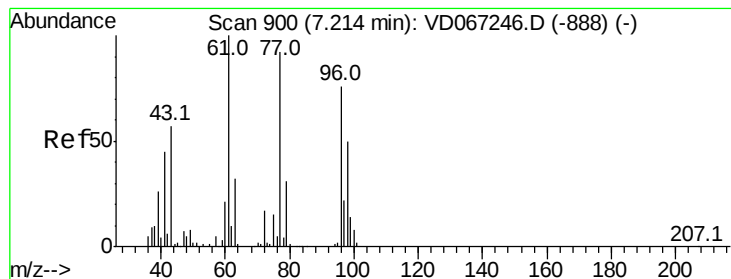
97 22.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 50.037 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

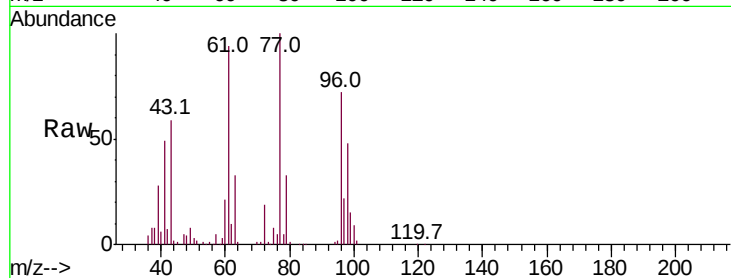
Tot Ion: 96 Resp: 176224

Ion Ratio Lower Upper

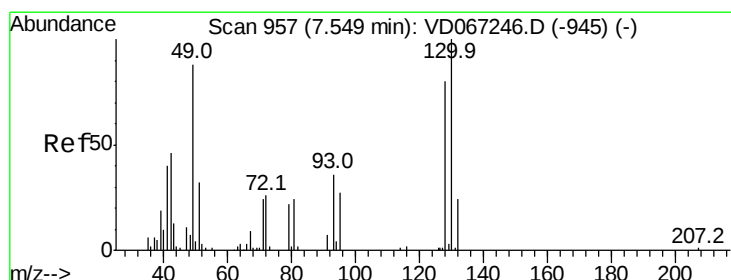
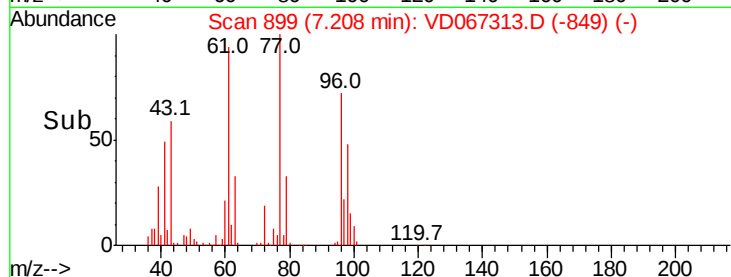
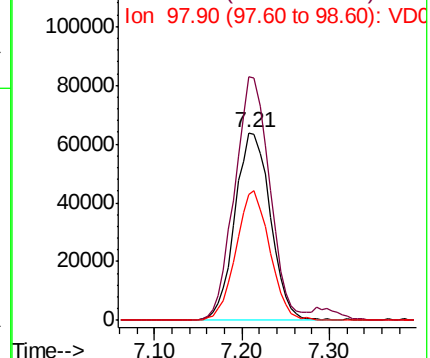
96 100

61 127.7 0.0 255.4

98 65.6 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 49.445 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

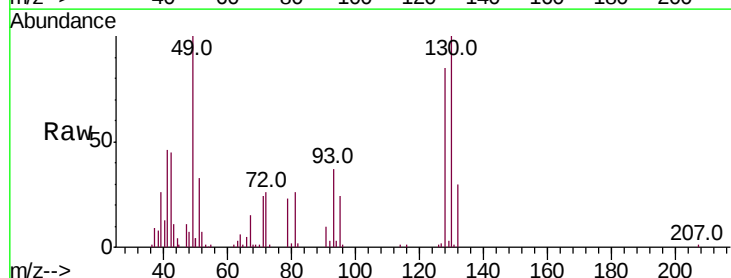
Tgt Ion: 49 Resp: 84336

Ion Ratio Lower Upper

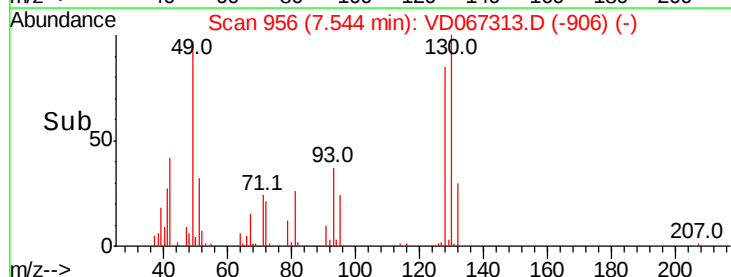
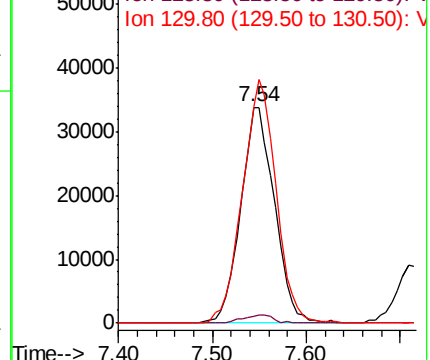
49 100

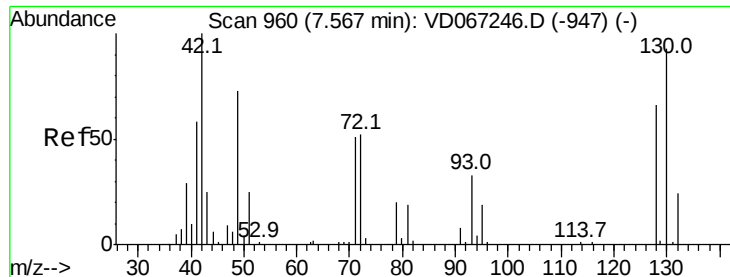
129 3.3 0.0 1.6#

130 112.2 91.0 136.6



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





#29

Tetrahydrofuran

Concen: 251.355 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

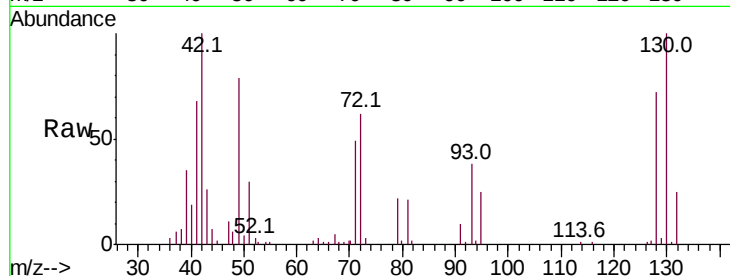
Tot Ion: 42 Resp: 75611

Ion Ratio Lower Upper

42 100

72 60.4 43.2 64.8

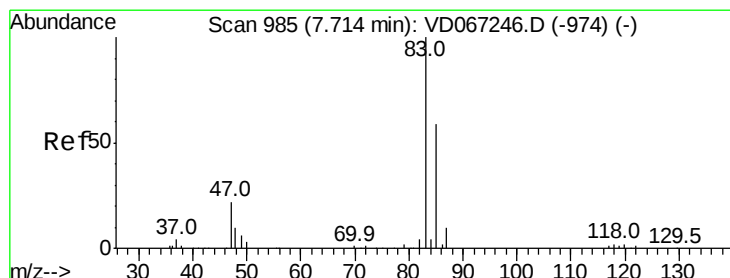
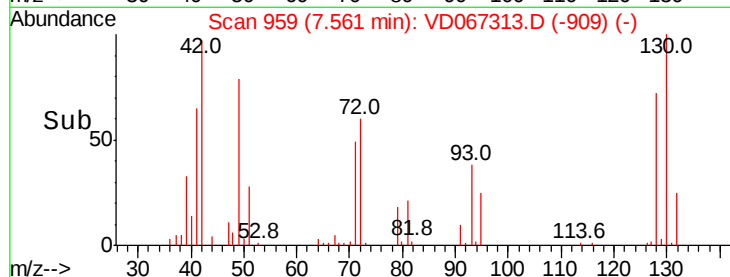
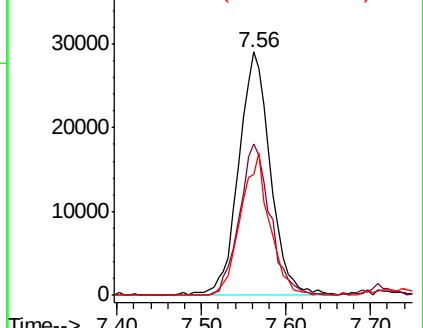
71 53.0 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 50.045 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067313.D

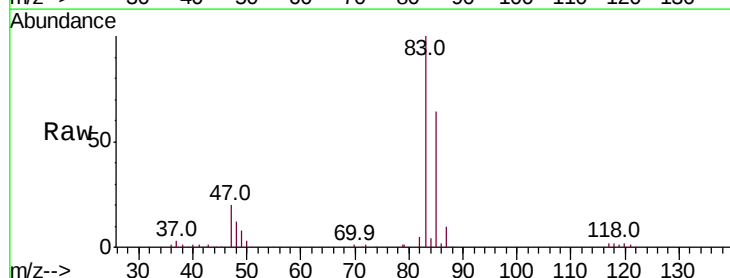
Acq: 20 Oct 2020 10:04

Tgt Ion: 83 Resp: 298957

Ion Ratio Lower Upper

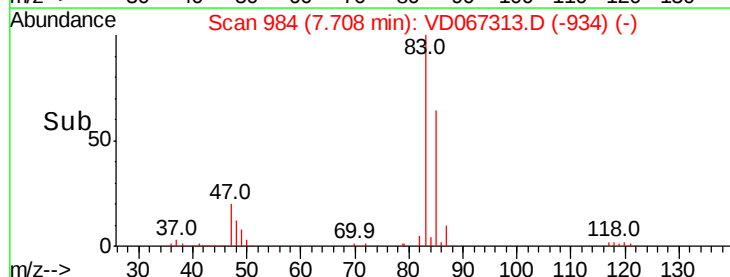
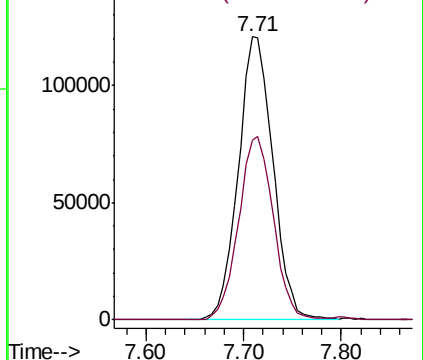
83 100

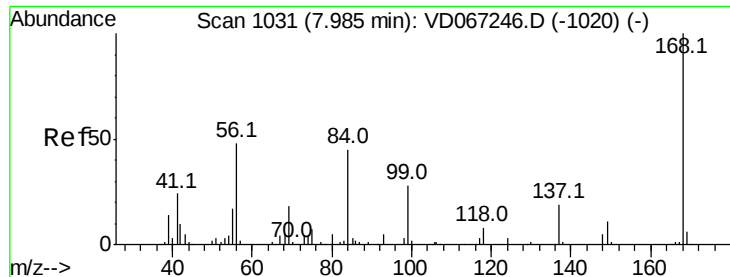
85 63.7 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

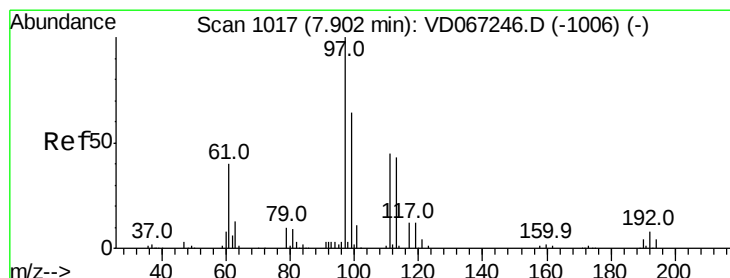
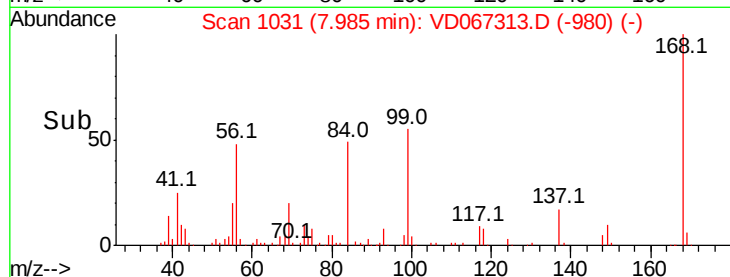
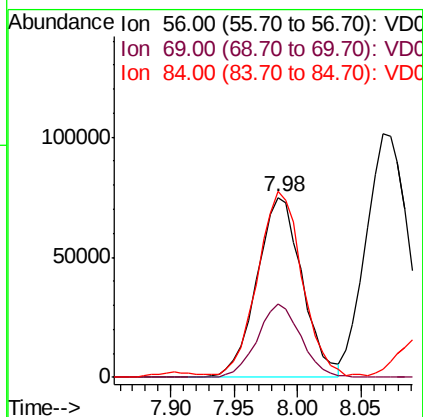
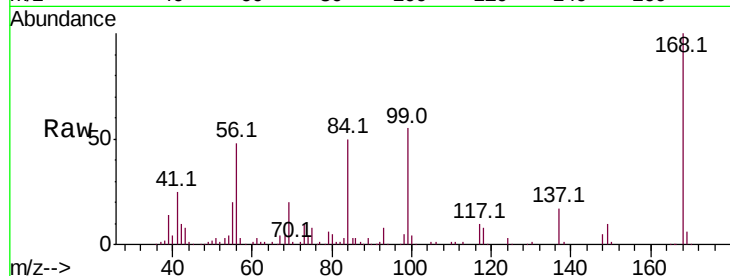




#31
Cyclohexane
Concen: 47.820 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

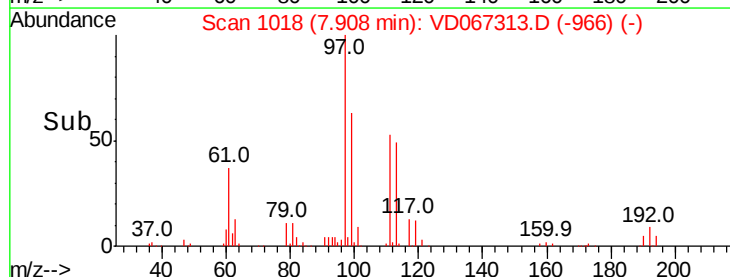
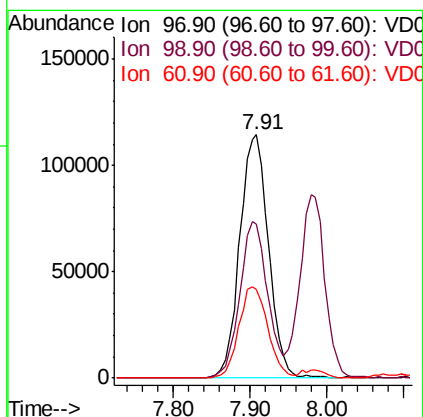
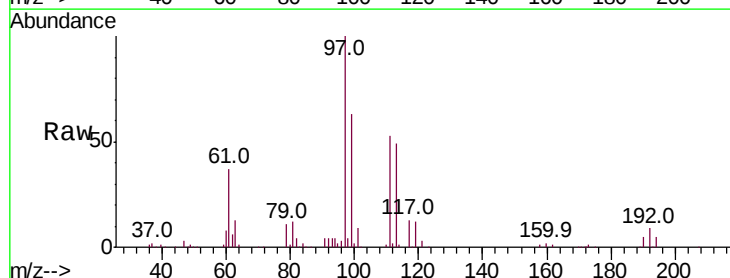
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

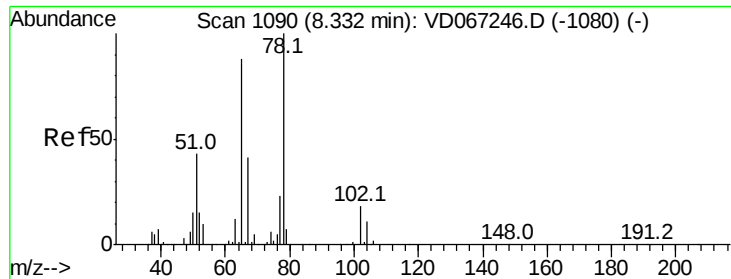
Tot Ion: 56 Resp: 186702
Ion Ratio Lower Upper
56 100
69 40.9 29.8 44.6
84 101.2 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 51.103 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 97 Resp: 299528
Ion Ratio Lower Upper
97 100
99 62.6 50.2 75.4
61 38.2 30.5 45.7

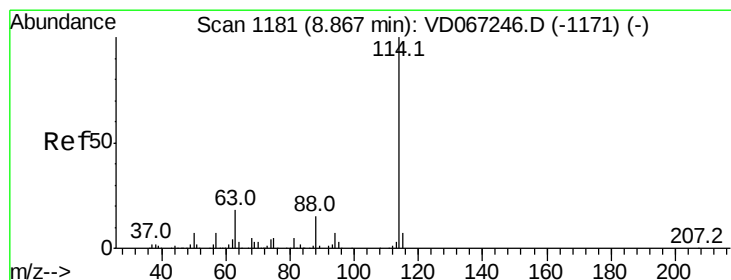
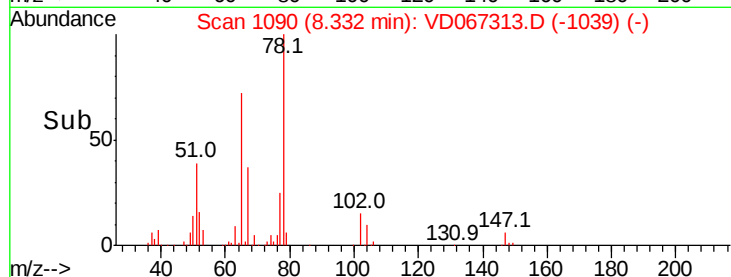
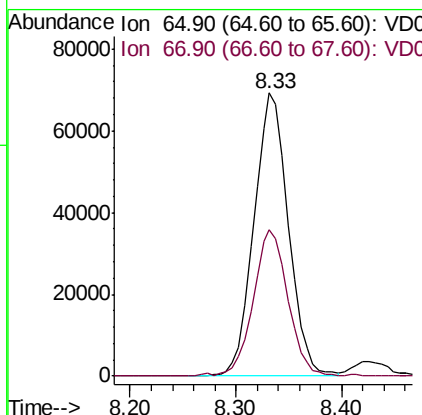
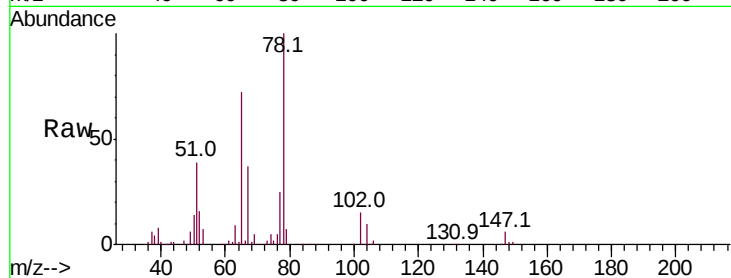




#33
 1,2-Dichloroethane-d4
 Concen: 46.251 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

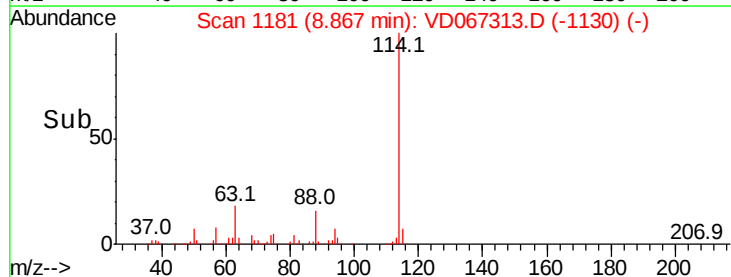
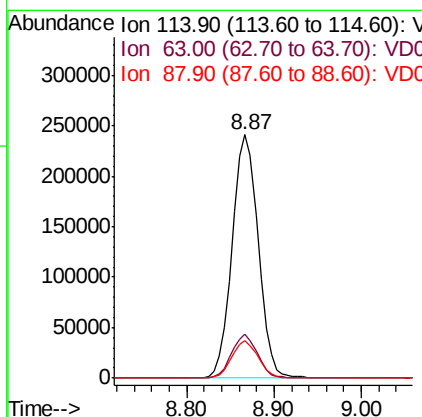
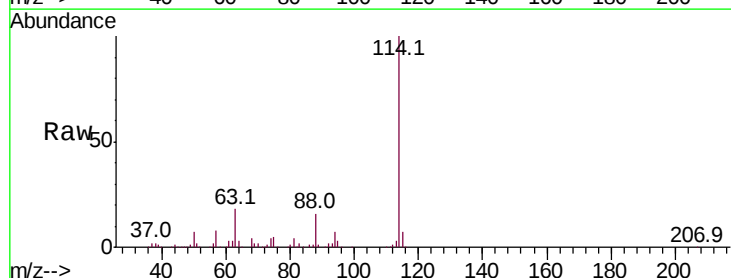
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

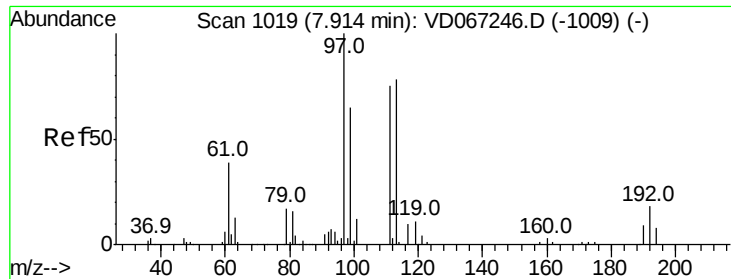
Tot Ion: 65 Resp: 156781
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion: 114 Resp: 488096
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.0
 88 15.5 0.0 30.6

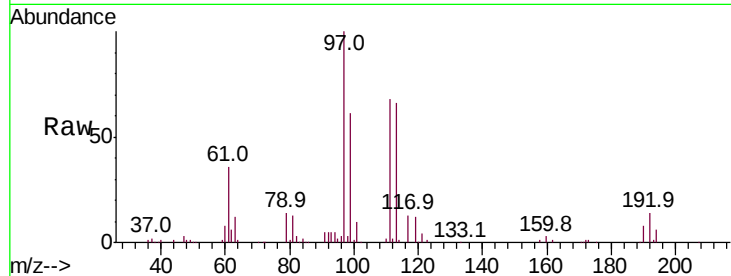




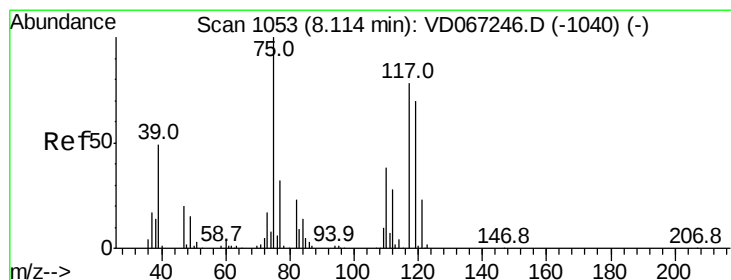
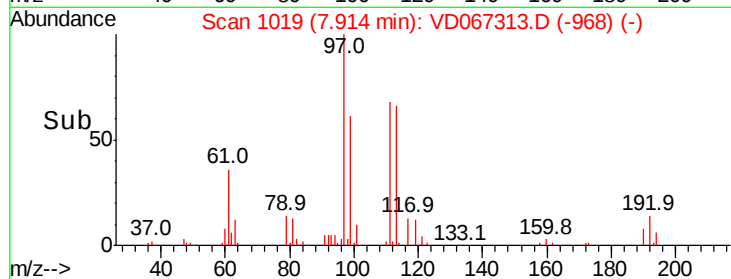
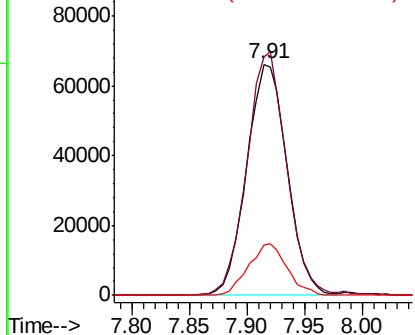
#35
 Dibromofluoromethane
 Concen: 49.818 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.6	122.4
192	21.3	17.0	25.4

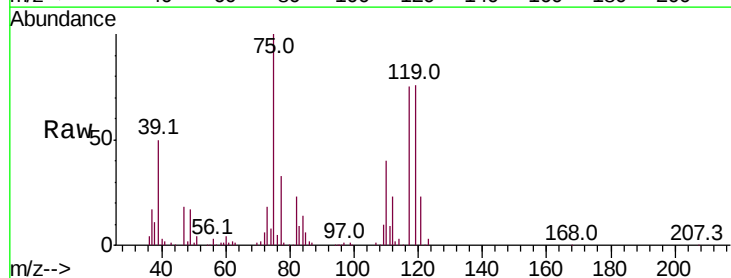


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

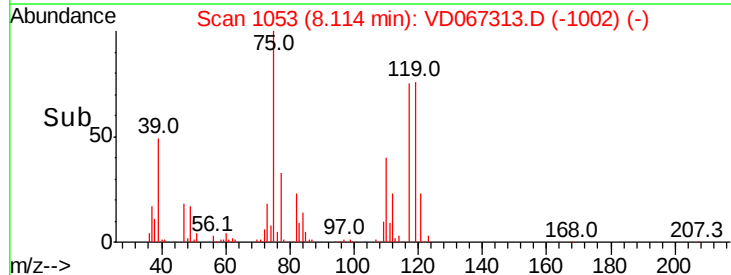
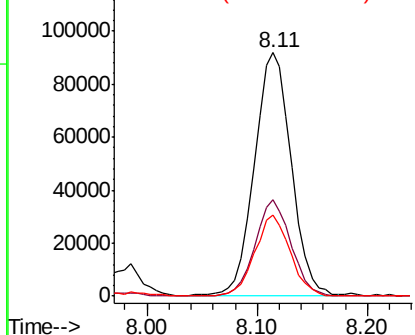


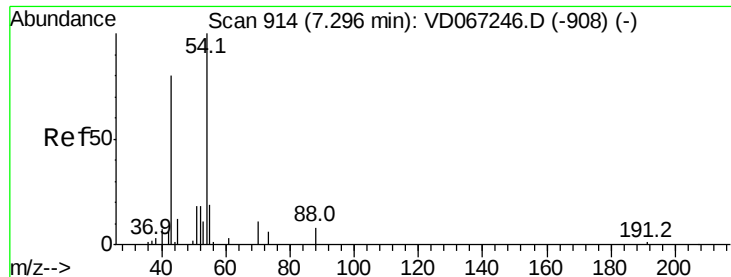
#36
 1,1-Dichloropropene
 Concen: 52.117 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.6	58.7
77	32.1	24.6	37.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

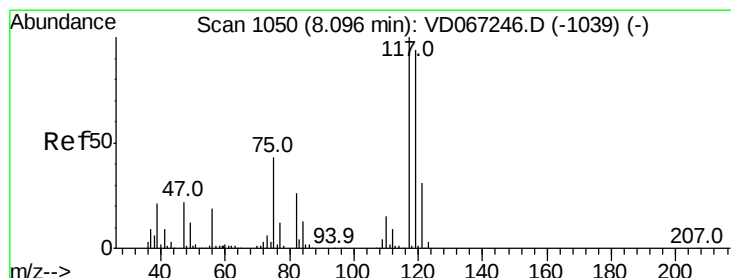
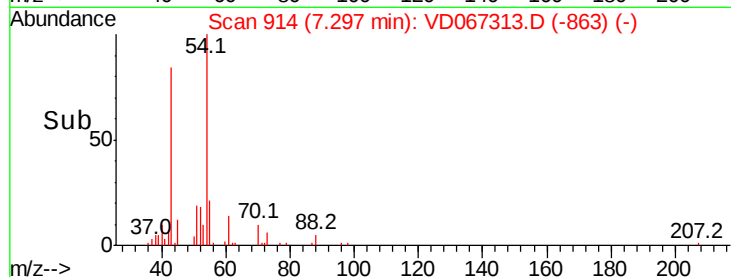
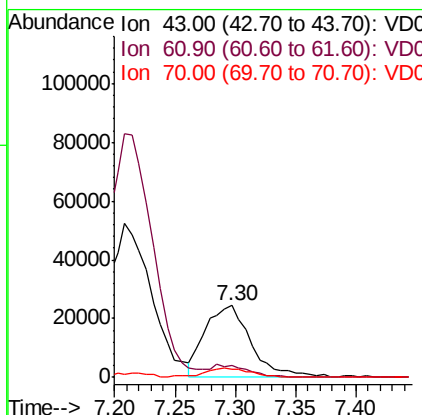
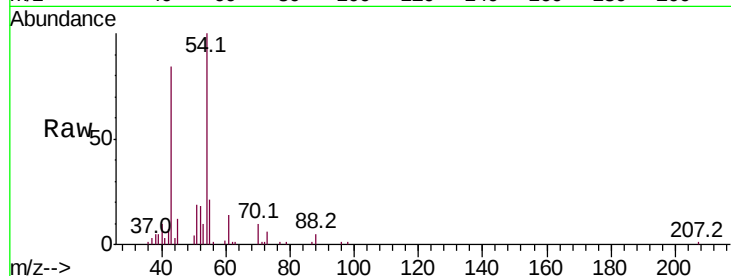




#37
Ethyl Acetate
Concen: 51.423 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

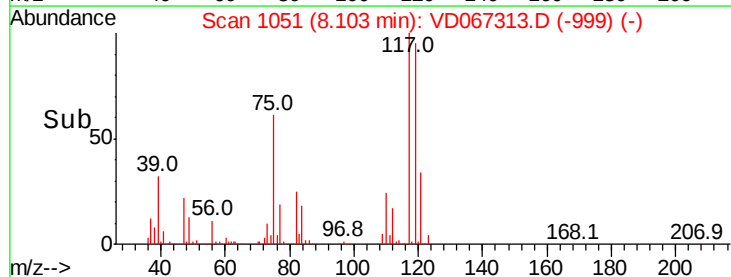
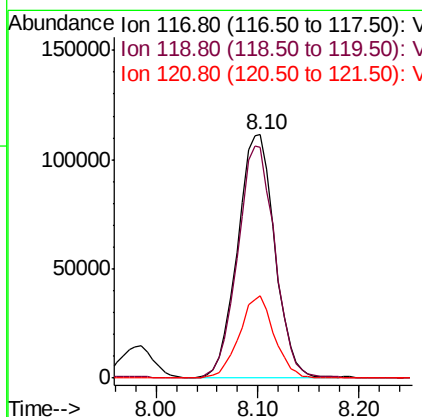
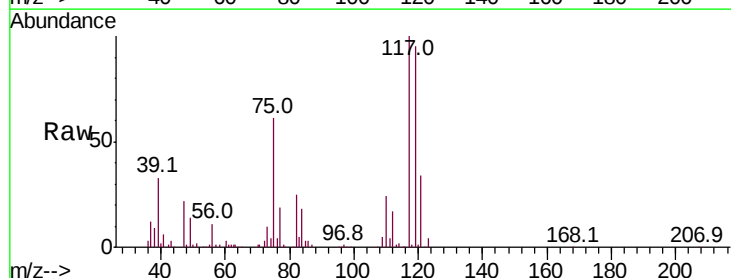
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

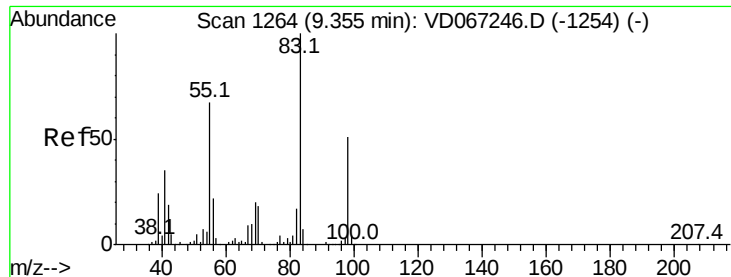
Tot Ion: 43 Resp: 62590
Ion Ratio Lower Upper
43 100
61 12.0 15.6 23.4#
70 13.7 10.4 15.6



#38
Carbon Tetrachloride
Concen: 53.303 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 117 Resp: 281833
Ion Ratio Lower Upper
117 100
119 95.0 75.0 112.4
121 33.9 24.9 37.3

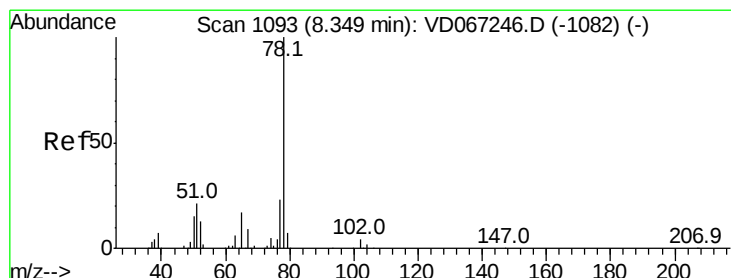
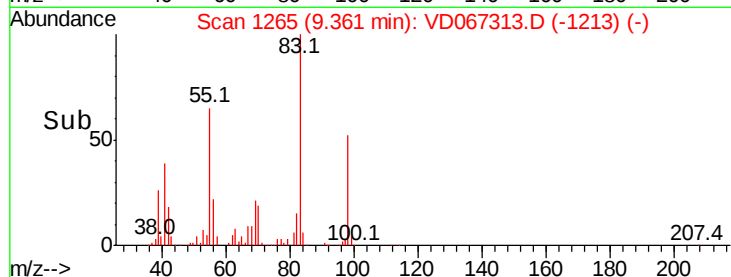
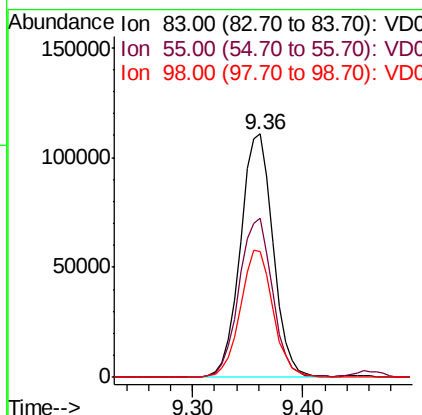
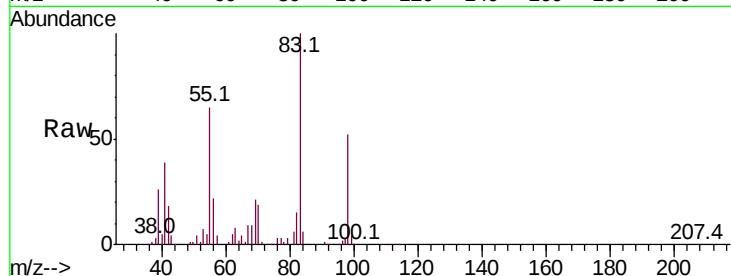




#39
Methvlcvclohexane
Concen: 53.495 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

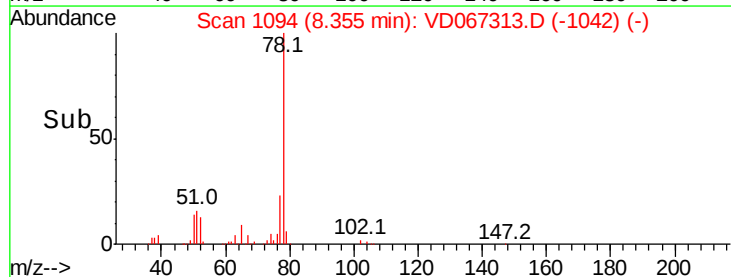
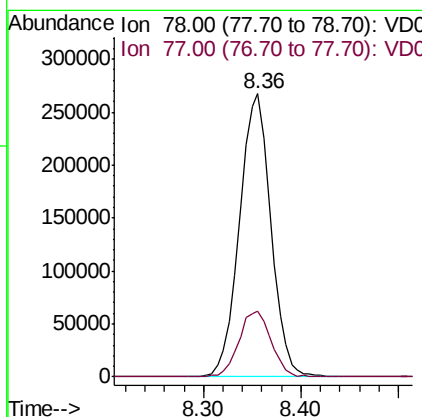
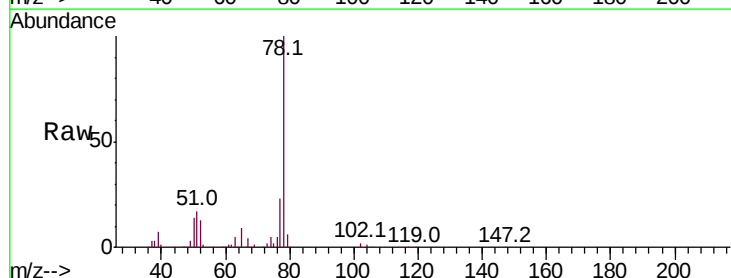
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

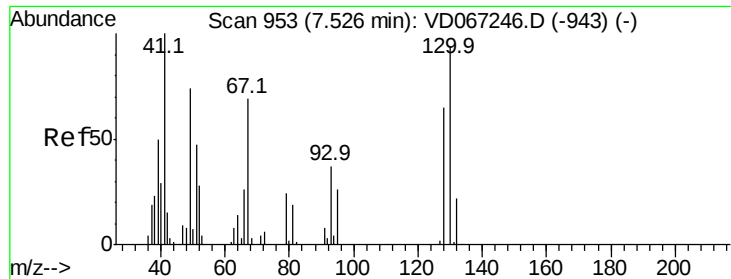
Tot Ion	83	Resp	231357
Ion Ratio	Lower	Upper	
83	100		
55	65.4	53.3	79.9
98	51.7	41.0	61.4



#40
Benzene
Concen: 53.145 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	78	Resp	603152
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.3	27.5

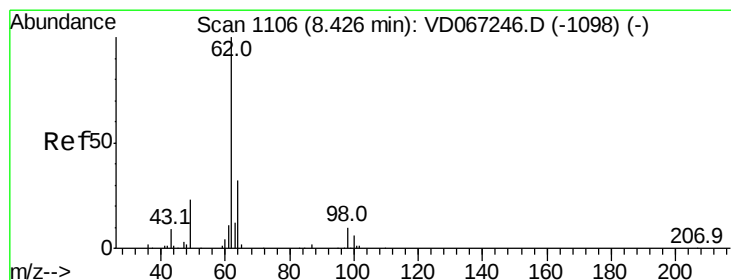
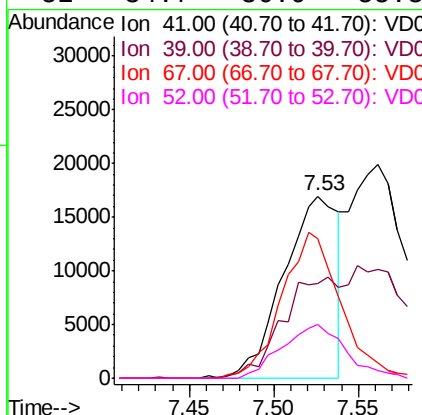
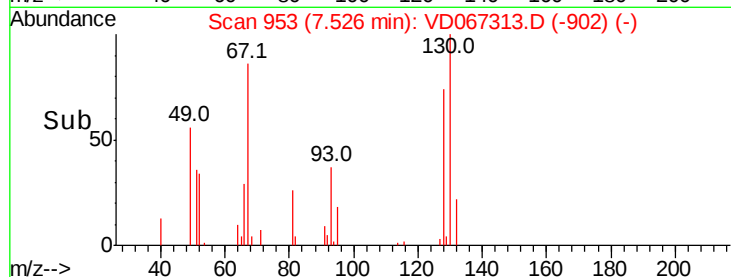
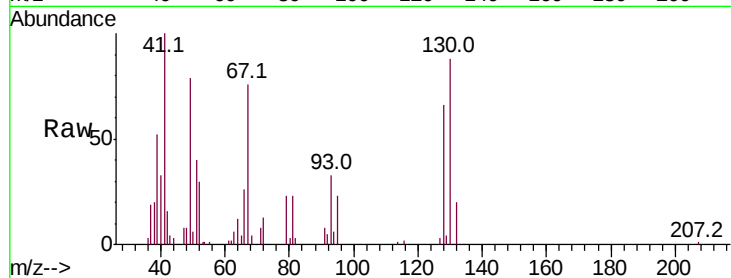




#41
Methacrylonitrile
Concen: 57.546 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

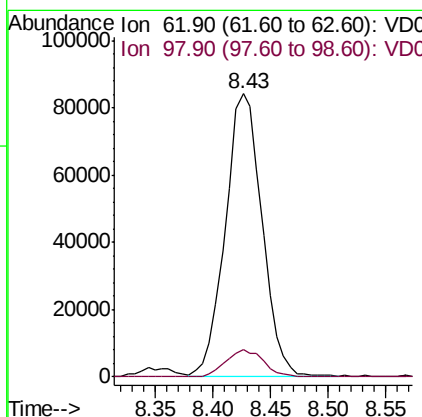
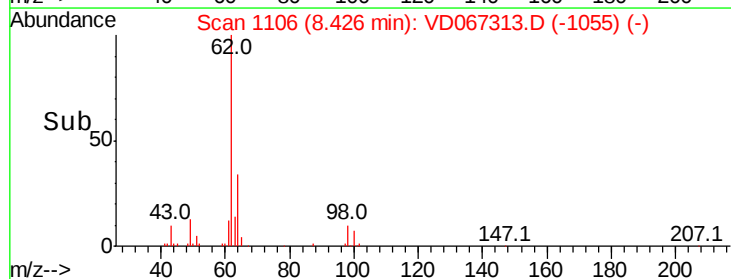
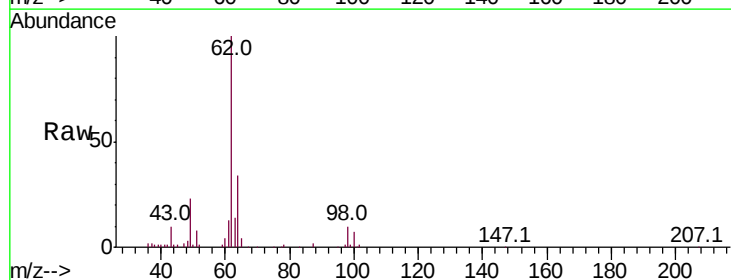
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

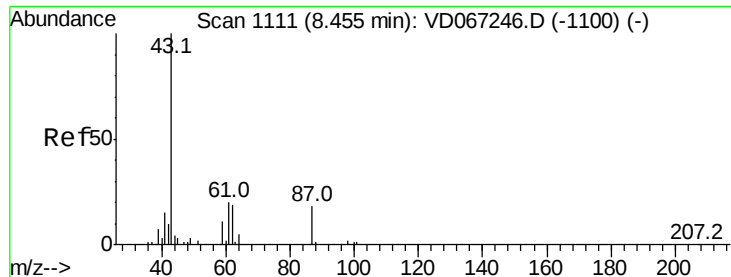
Tot Ion: 41 Resp: 37850
Ion Ratio Lower Upper
41 100
39 57.2 60.0 90.0#
67 86.9 88.9 133.3#
52 34.7 36.9 55.3#



#42
1,2-Dichloroethane
Concen: 52.160 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 62 Resp: 185258
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 53.463 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

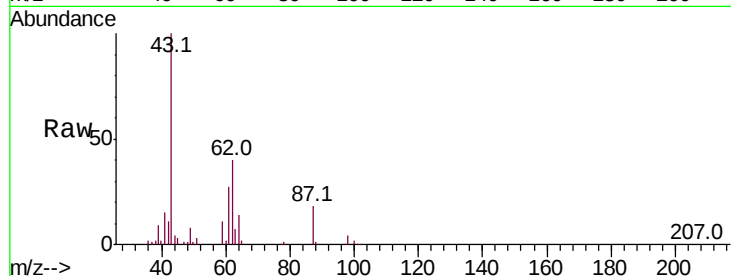
Tot Ion: 43 Resp: 129121

Ion Ratio Lower Upper

43 100

61 37.0 29.5 44.3

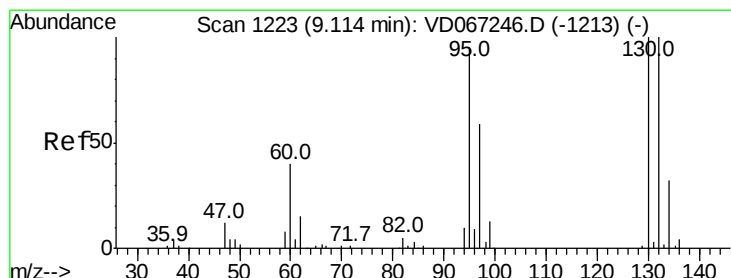
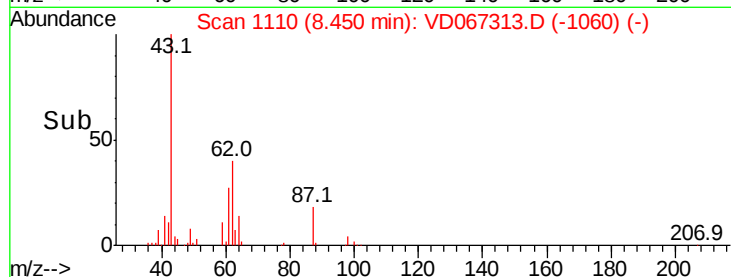
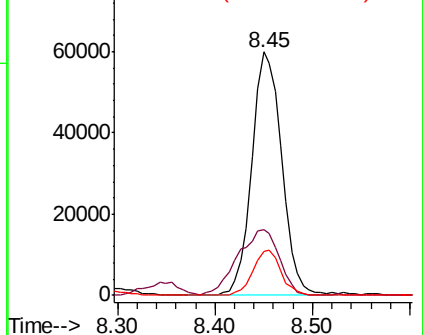
87 17.4 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.737 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067313.D

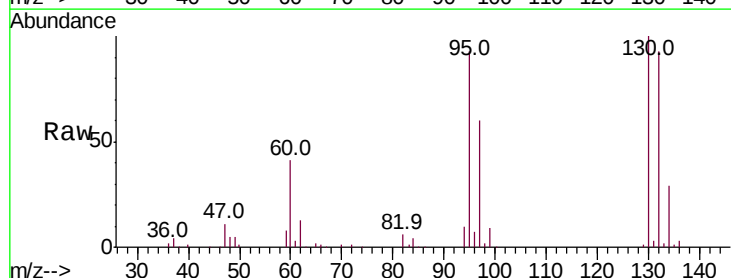
Acq: 20 Oct 2020 10:04

Tgt Ion:130 Resp: 191634

Ion Ratio Lower Upper

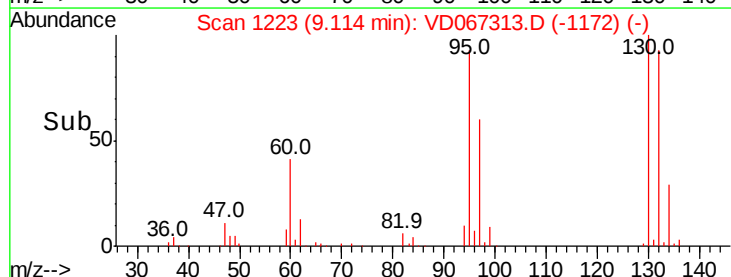
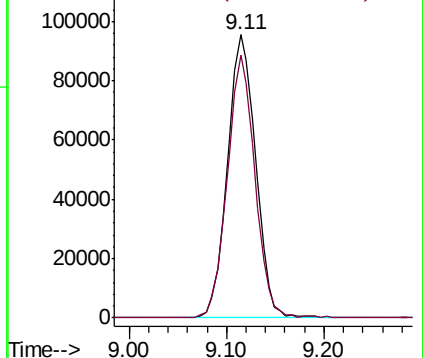
130 100

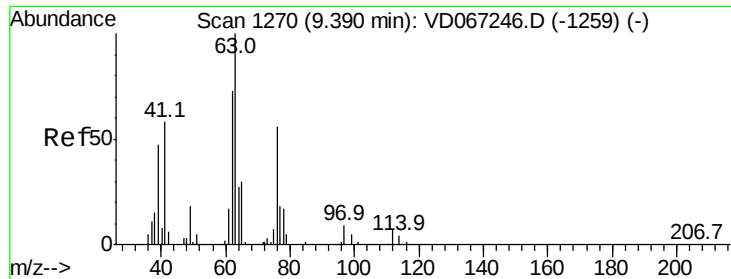
95 93.1 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.255 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

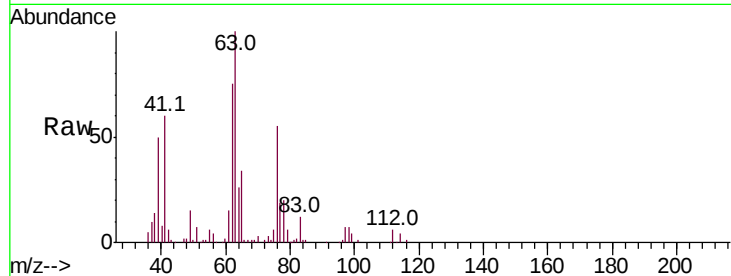
VSTDCCC050

Tot Ion: 63 Resp: 134814

Ion Ratio Lower Upper

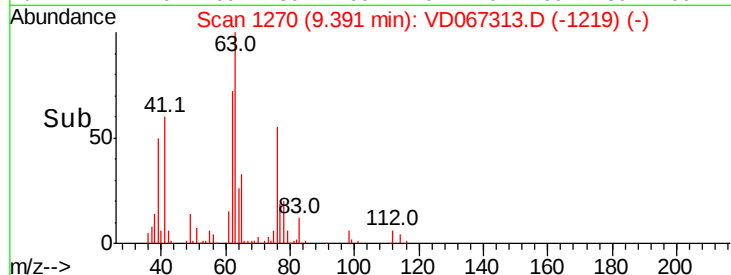
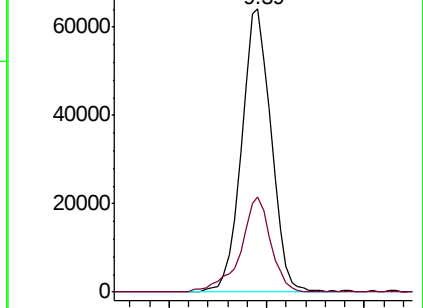
63 100

65 33.6 24.6 36.8

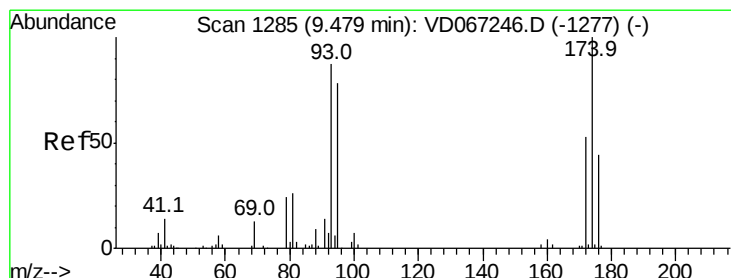


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



Time-->



#46

Dibromomethane

Concen: 50.877 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

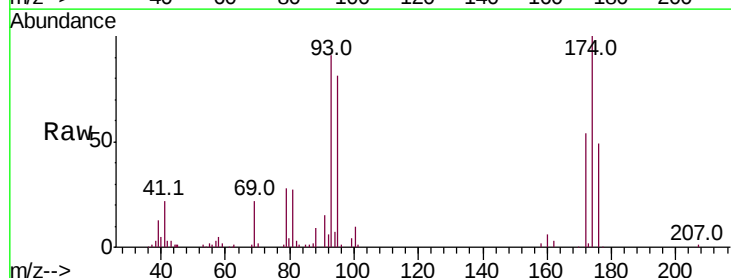
Tgt Ion: 93 Resp: 83377

Ion Ratio Lower Upper

93 100

95 86.2 68.0 102.0

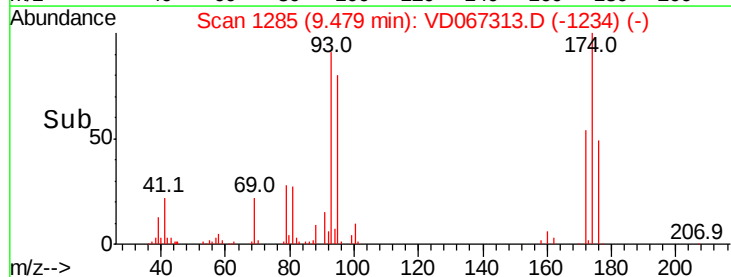
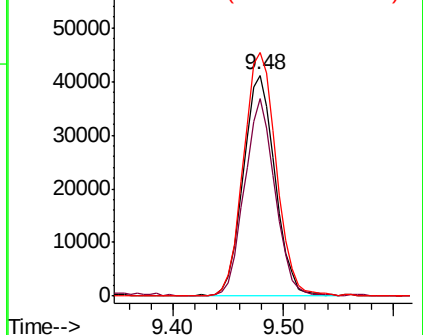
174 113.6 91.8 137.6



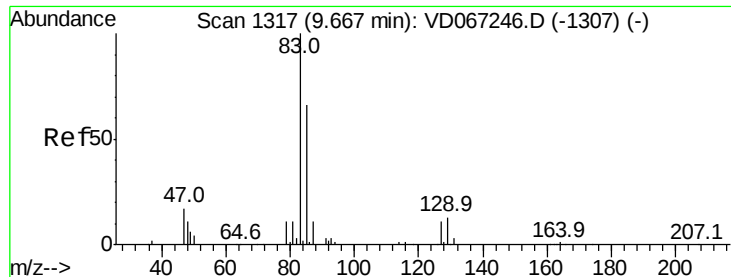
Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V



Time-->



#47

Bromodichloromethane

Concen: 52.190 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

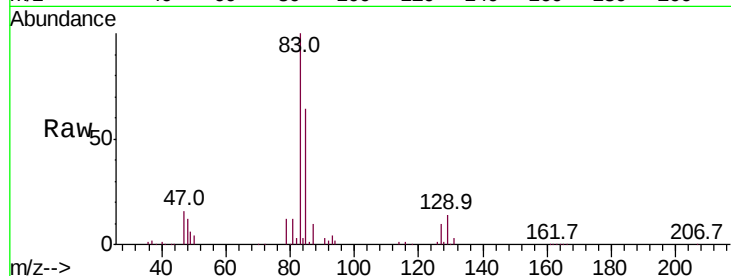
Tot Ion: 83 Resp: 229150

Ion Ratio Lower Upper

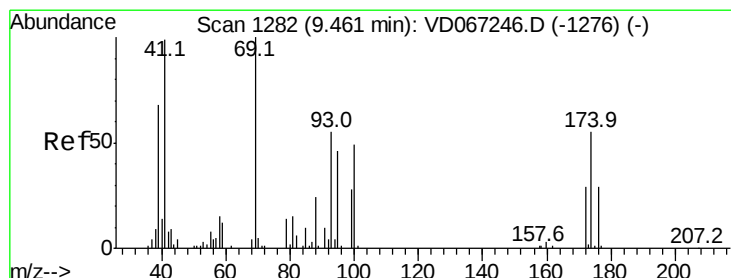
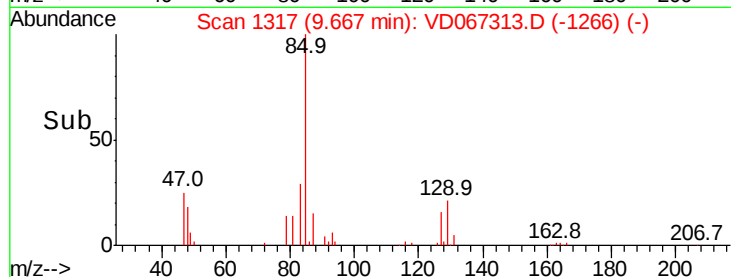
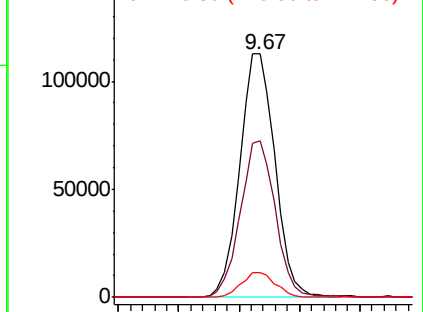
83 100

85 64.5 53.1 79.7

127 10.0 8.6 13.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 58.822 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

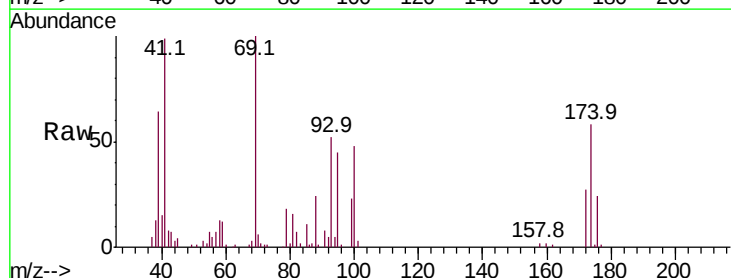
Tgt Ion: 41 Resp: 69039

Ion Ratio Lower Upper

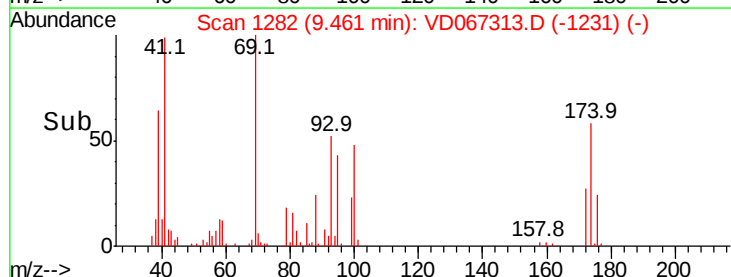
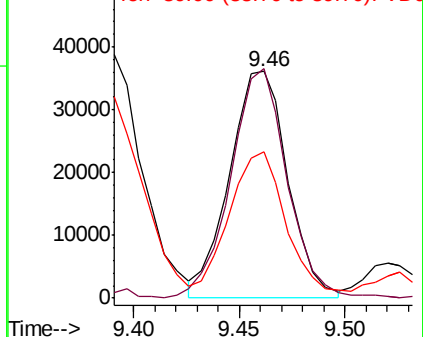
41 100

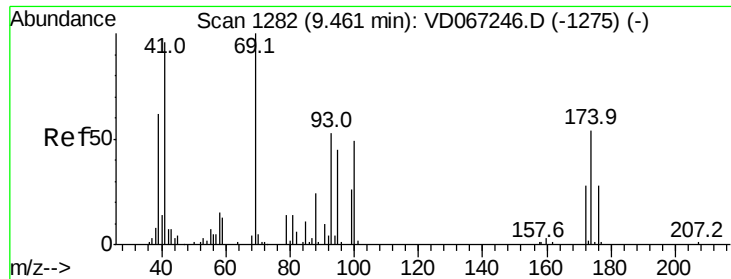
69 98.4 89.0 133.6

39 57.8 60.2 90.2#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

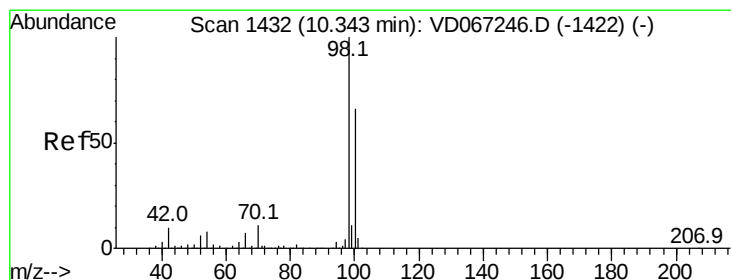
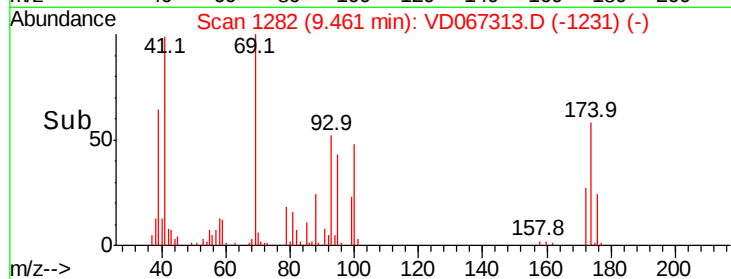
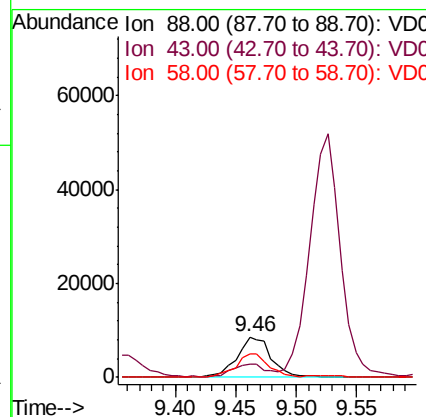
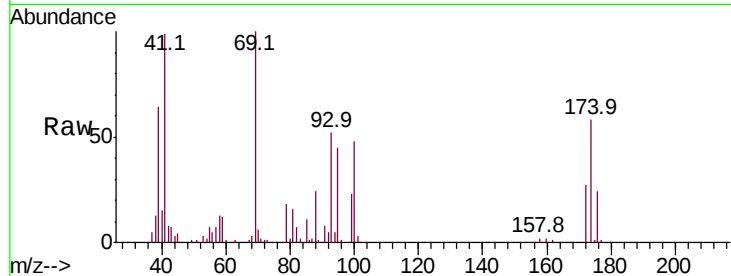




#49
 1,4-Dioxane
 Concen: 1074.386 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

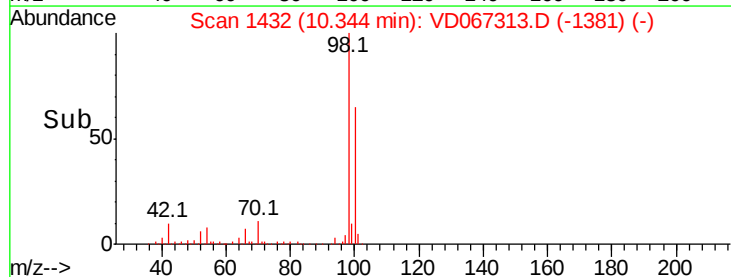
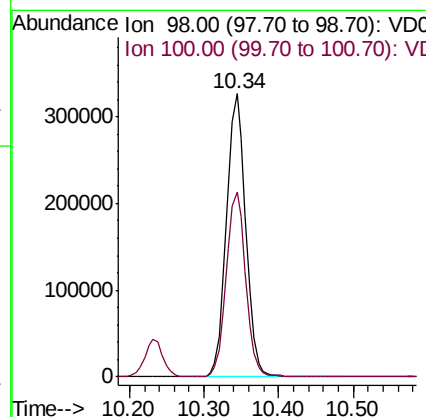
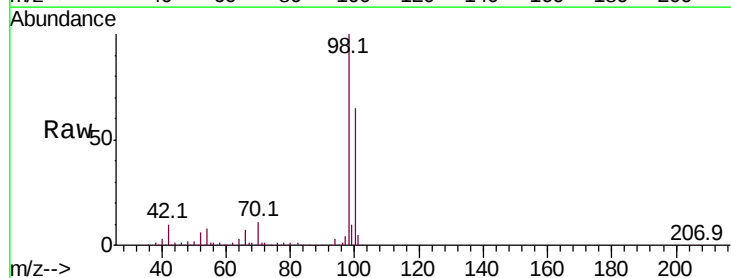
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

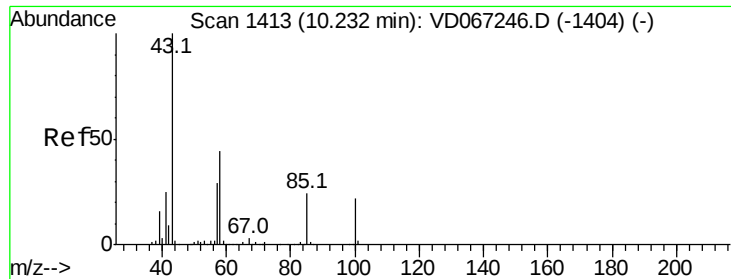
Tot Ion: 88 Resp: 17003
 Ion Ratio Lower Upper
 88 100
 43 34.3 23.9 35.9
 58 56.9 51.0 76.6



#50
 Toluene-d8
 Concen: 50.174 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion: 98 Resp: 589806
 Ion Ratio Lower Upper
 98 100
 100 65.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 264.902 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

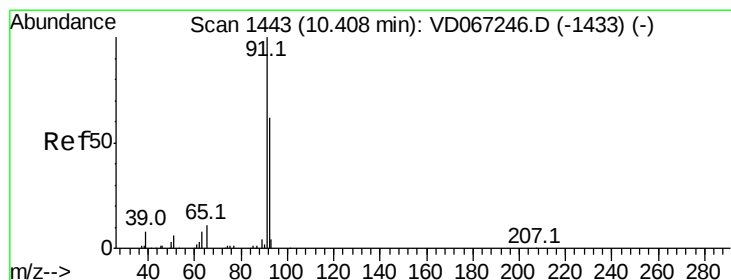
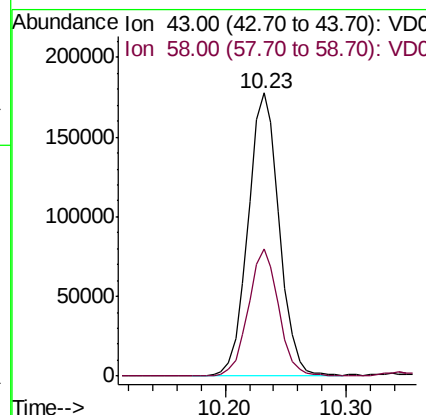
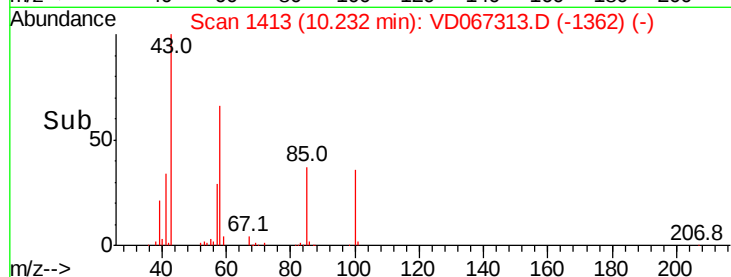
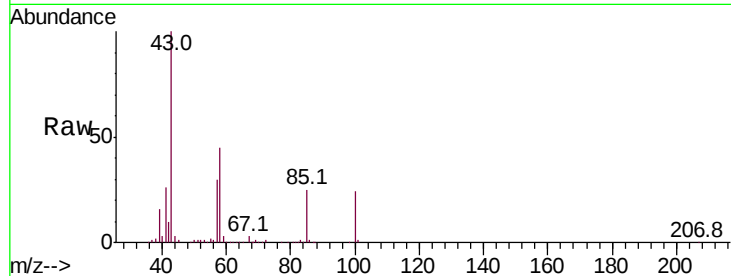
VSTDCCC050

Tot Ion: 43 Resp: 319104

Ion Ratio Lower Upper

43 100

58 43.6 35.7 53.5



#52

Toluene

Concen: 53.513 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067313.D

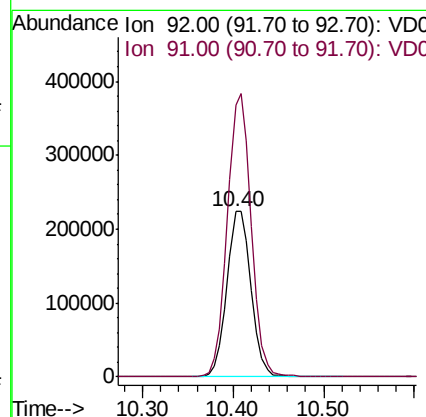
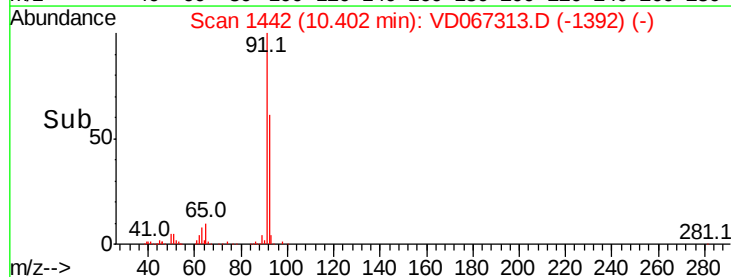
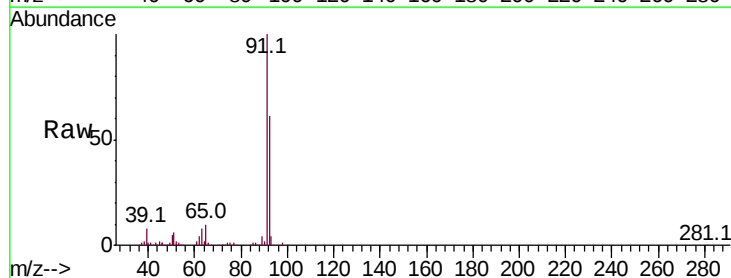
Acq: 20 Oct 2020 10:04

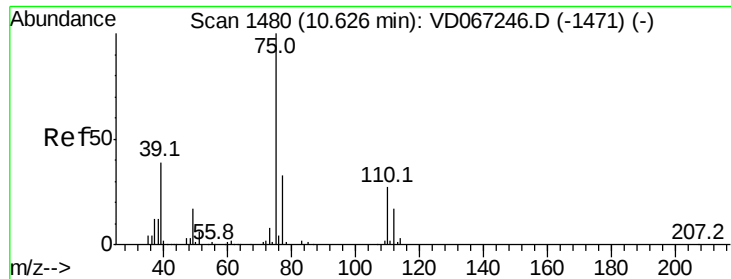
Tgt Ion: 92 Resp: 413652

Ion Ratio Lower Upper

92 100

91 168.7 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 52.855 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

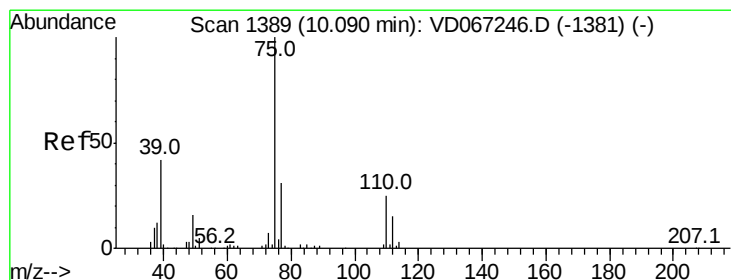
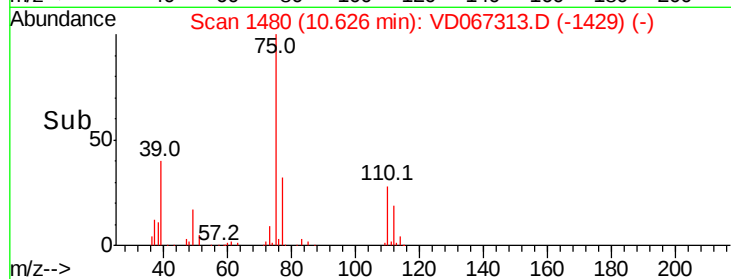
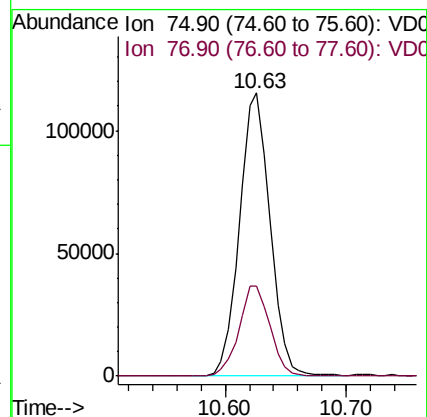
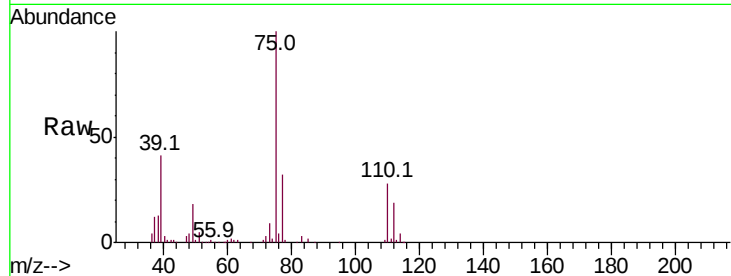
VSTDCCC050

Tot Ion: 75 Resp: 203861

Ion Ratio Lower Upper

75 100

77 32.0 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 52.591 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

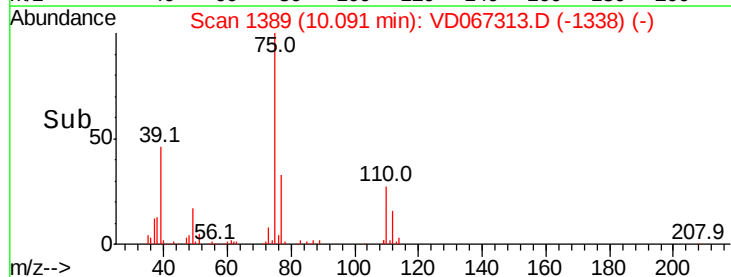
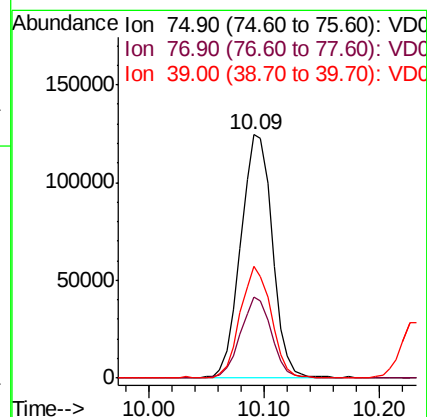
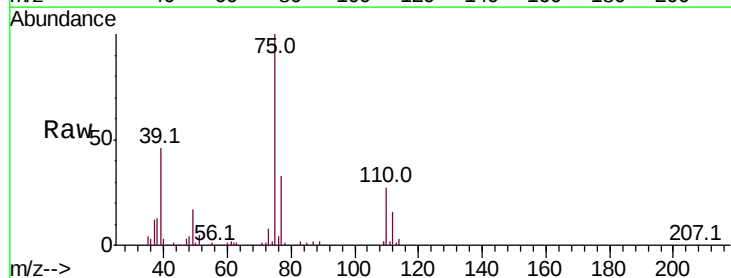
Tgt Ion: 75 Resp: 237390

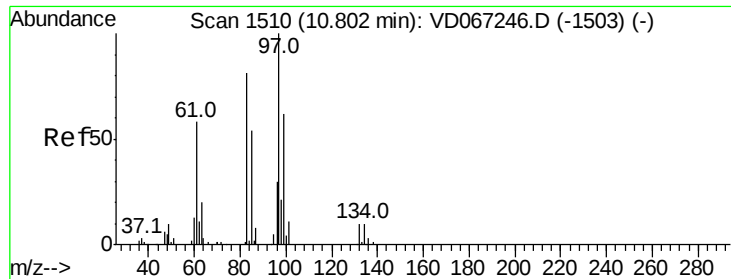
Ion Ratio Lower Upper

75 100

77 33.3 24.5 36.7

39 46.0 33.7 50.5

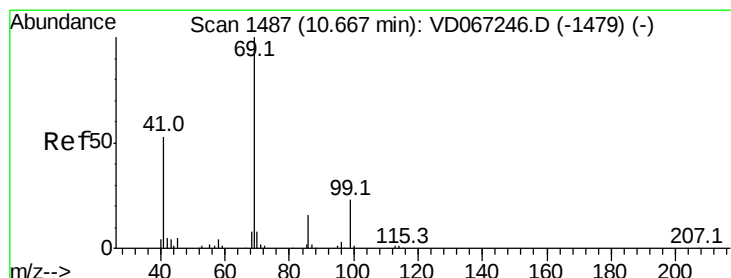
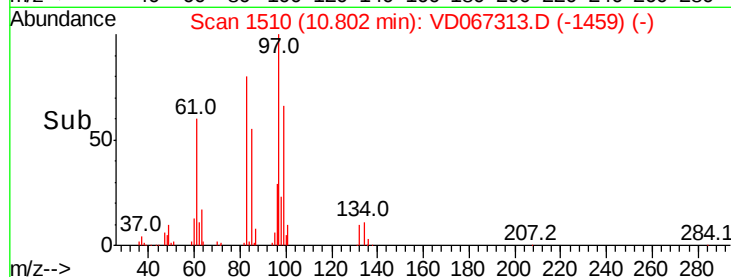
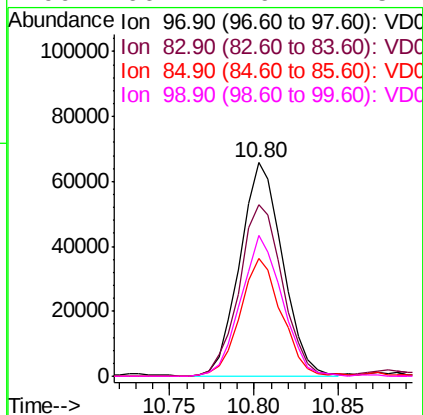
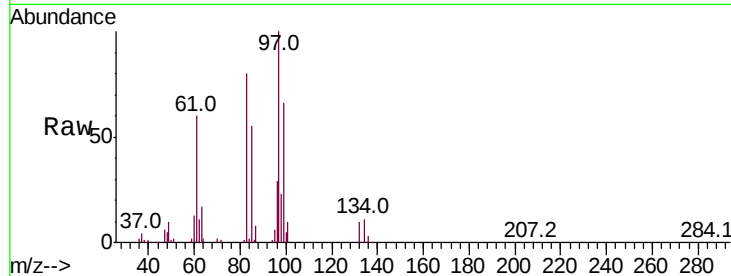




#55
 1,1,2-Trichloroethane
 Concen: 51.895 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

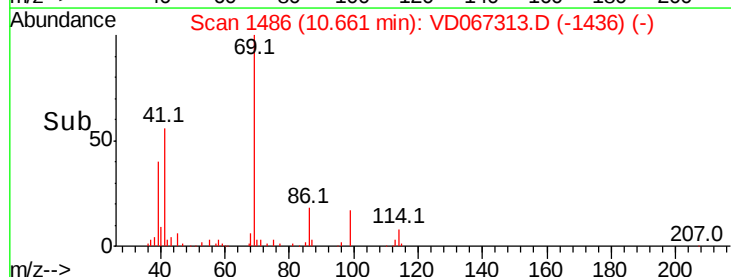
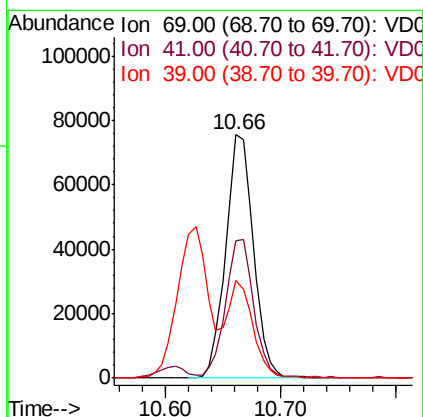
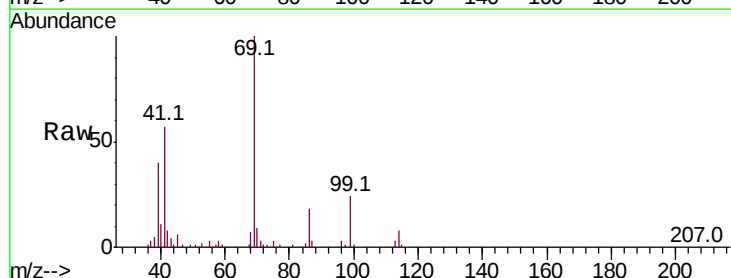
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

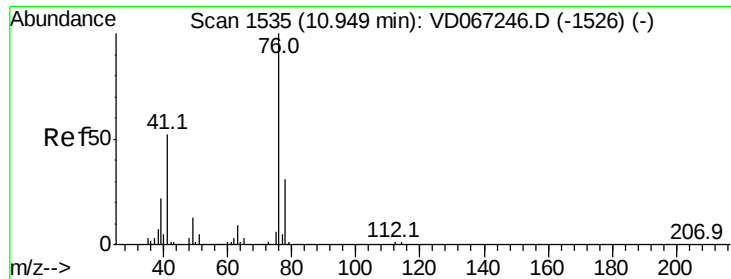
Tot Ion:	97	Resp:	115971
Ion	Ratio	Lower	Upper
97	100		
83	80.2	64.9	97.3
85	55.1	43.3	64.9
99	66.1	49.1	73.7



#56
 Ethyl methacrylate
 Concen: 54.441 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion:	69	Resp:	126175
Ion	Ratio	Lower	Upper
69	100		
41	57.3	44.7	67.1
39	34.1	26.2	39.2





#57

1,3-Dichloropropane

Concen: 52.207 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

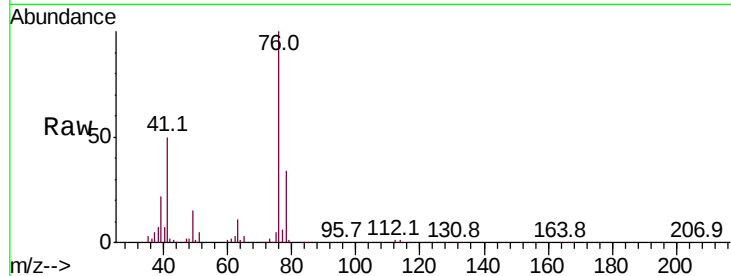
VSTDCCC050

Tot Ion: 76 Resp: 185668

Ion Ratio Lower Upper

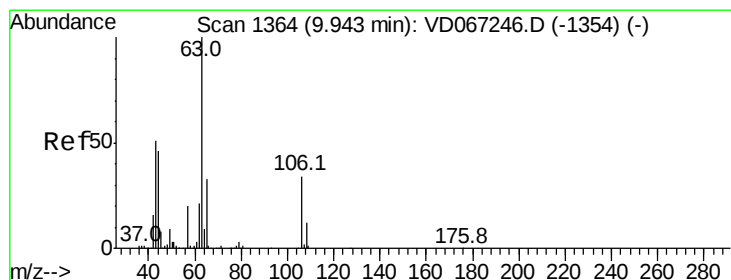
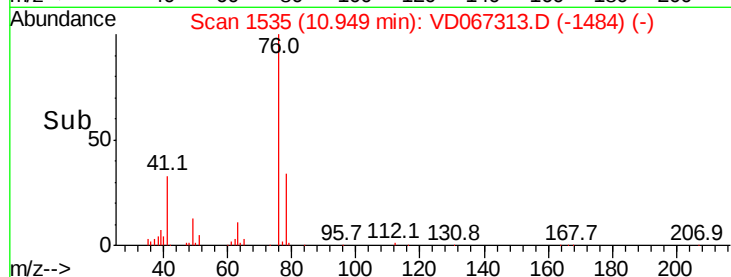
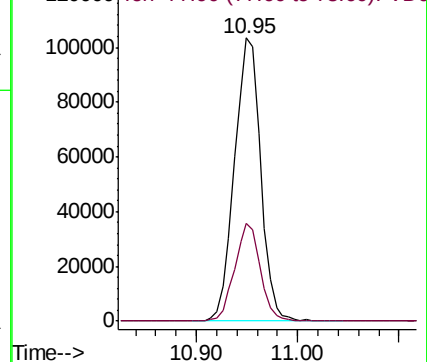
76 100

78 33.6 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 269.836 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067313.D

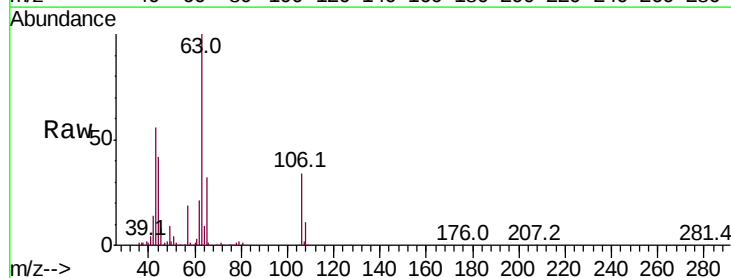
Acq: 20 Oct 2020 10:04

Tgt Ion: 63 Resp: 320822

Ion Ratio Lower Upper

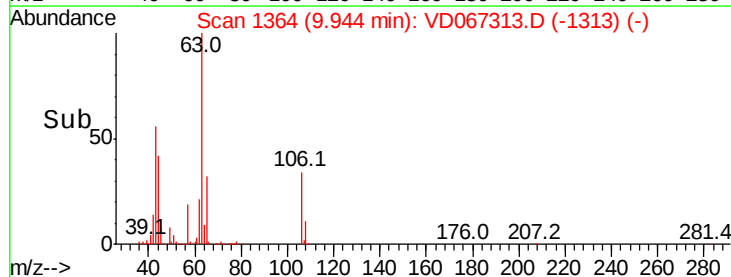
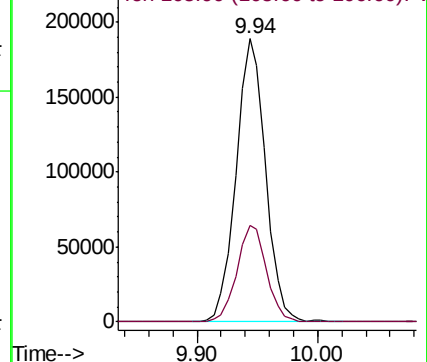
63 100

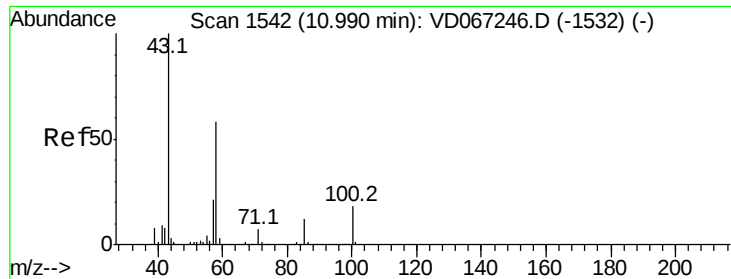
106 34.3 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

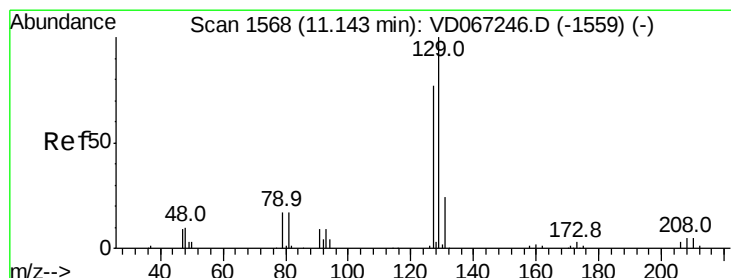
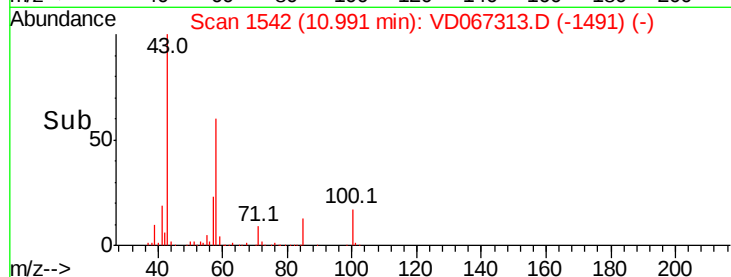
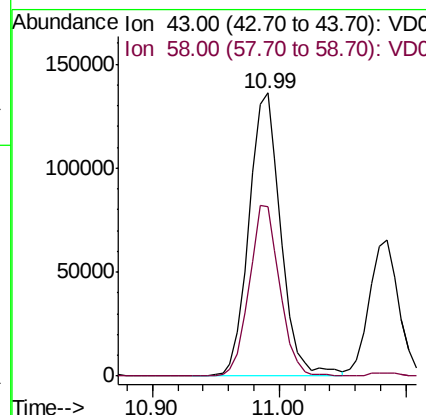
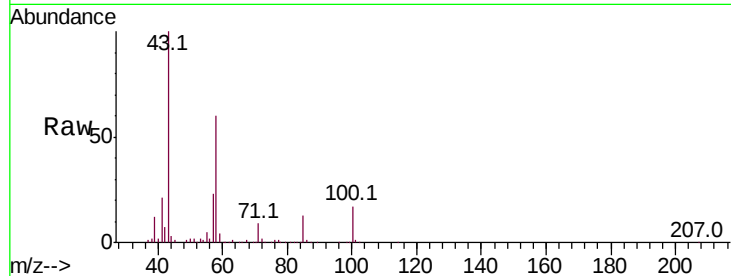




#59
2-Hexanone
Concen: 288.950 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

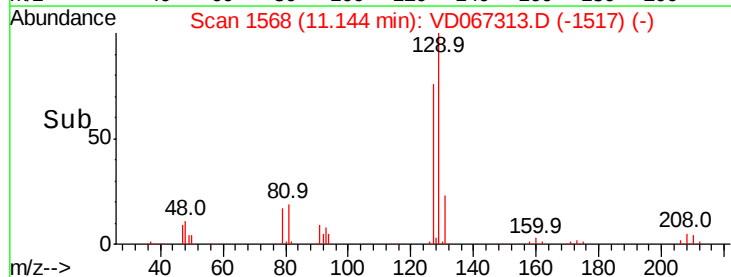
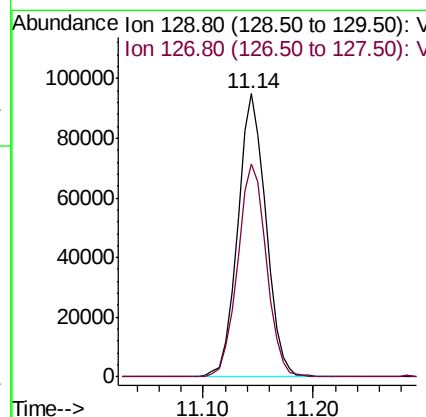
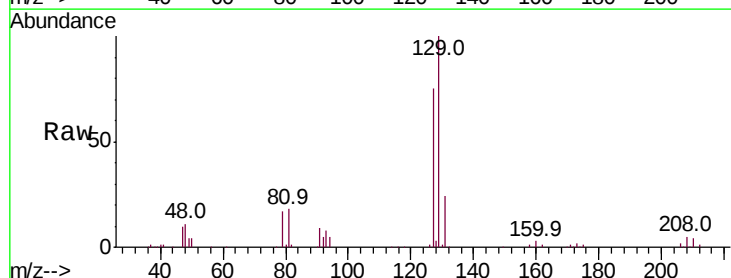
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

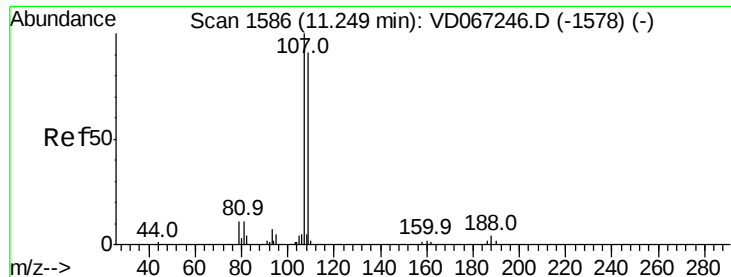
Tot Ion: 43 Resp: 237848
Ion Ratio Lower Upper
43 100
58 57.8 29.3 87.9



#60
Dibromochloromethane
Concen: 52.239 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 129 Resp: 170249
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8

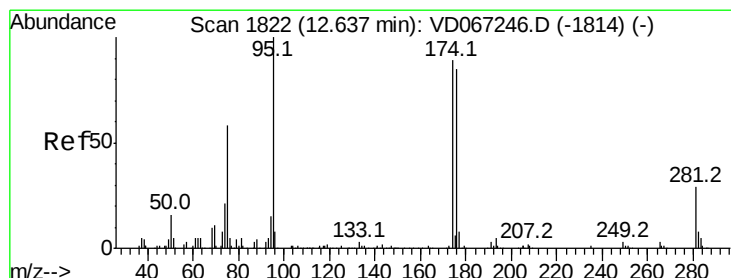
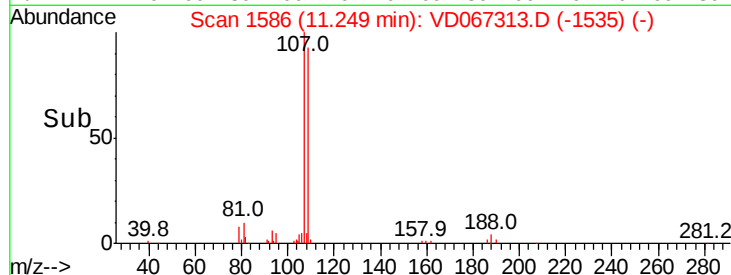
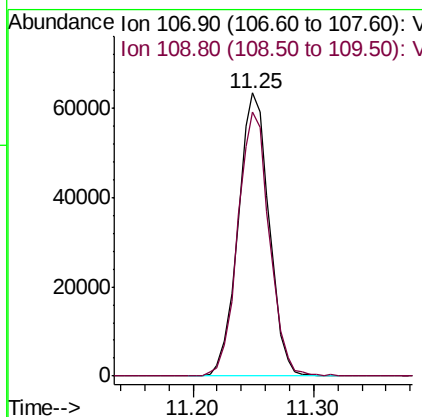
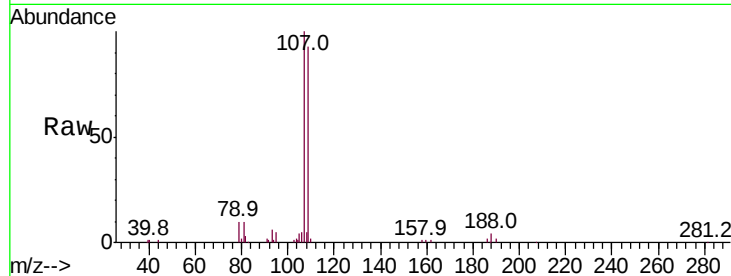




#61
 1,2-Dibromoethane
 Concen: 51.509 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

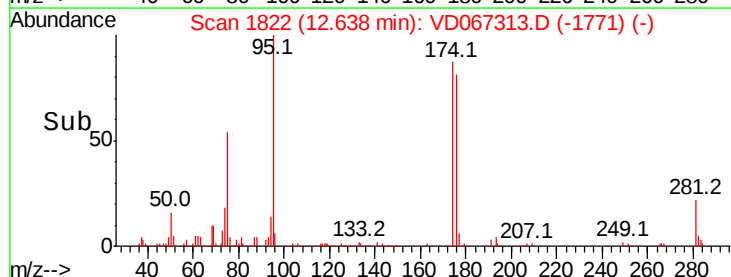
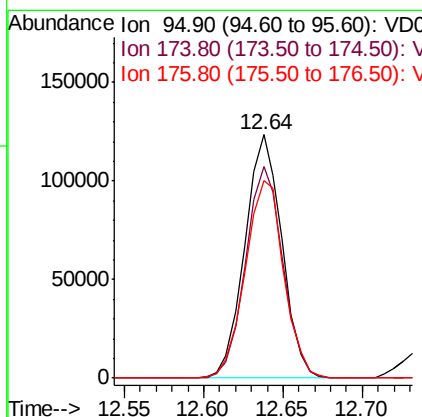
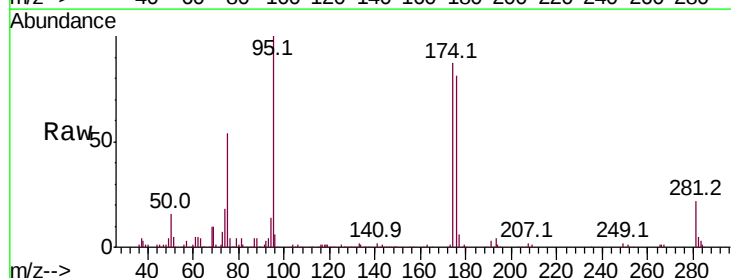
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

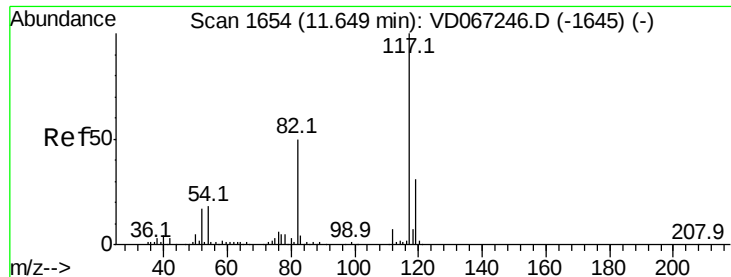
Tot Ion: 107 Resp: 113481
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.926 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion: 95 Resp: 199987
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 175.2
 176 84.7 0.0 168.6

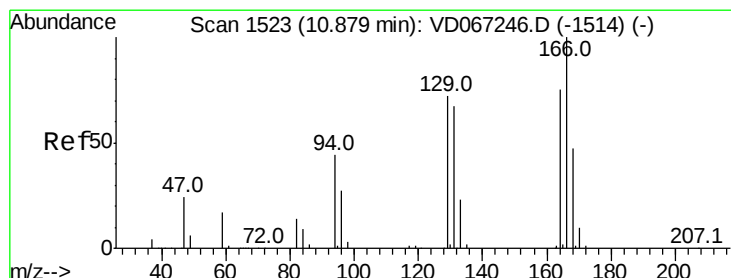
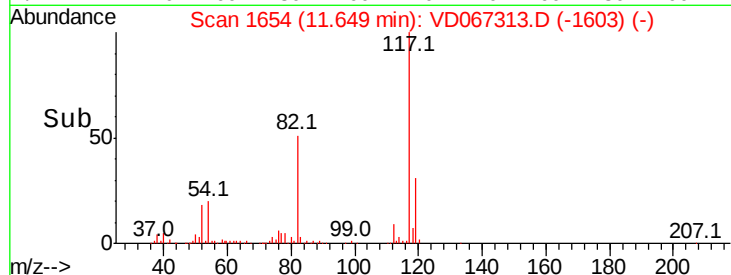
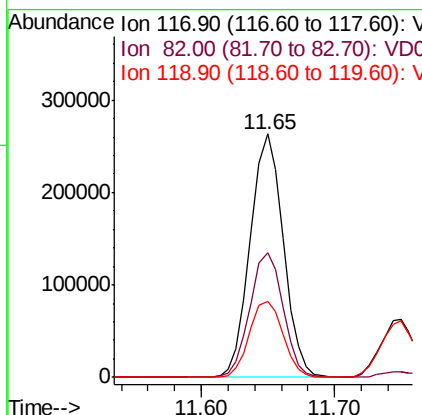
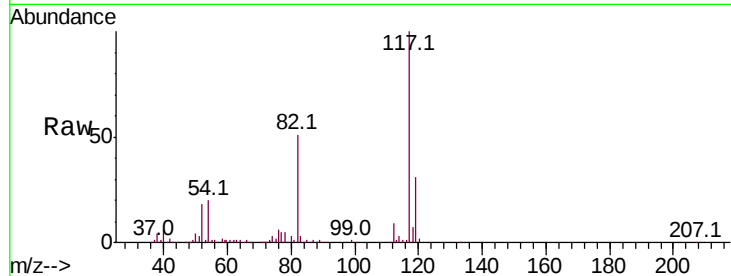




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

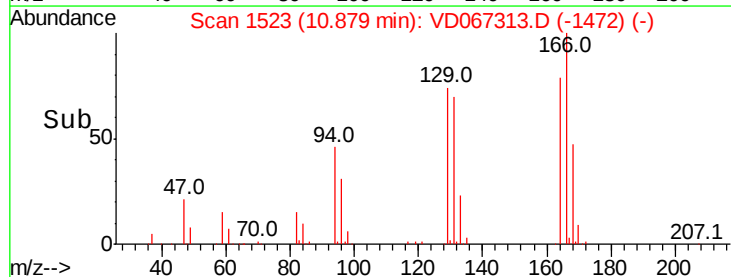
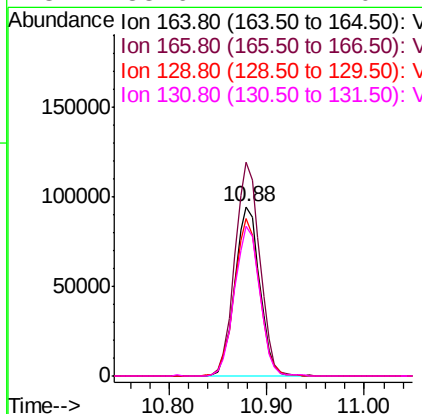
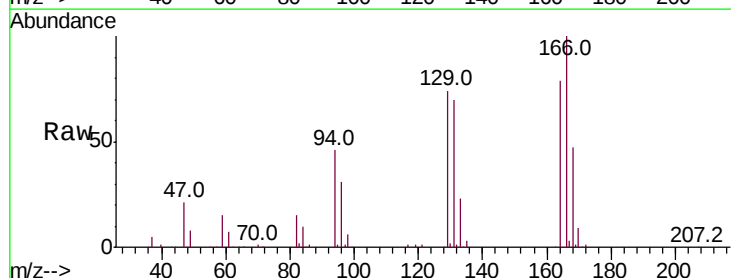
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

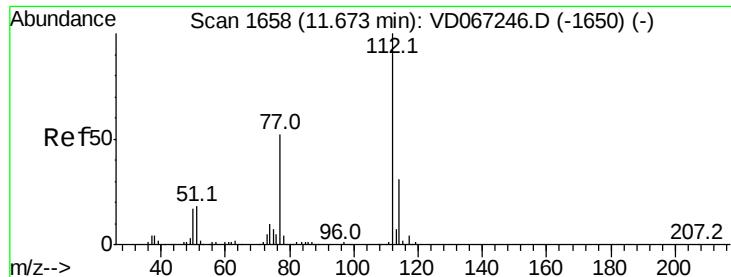
Tot Ion:117 Resp: 452446
Ion Ratio Lower Upper
117 100
82 51.3 39.9 59.9
119 31.2 24.9 37.3



#64
Tetrachloroethene
Concen: 50.857 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion:164 Resp: 166716
Ion Ratio Lower Upper
164 100
166 126.4 107.3 160.9
129 93.2 77.3 115.9
131 88.6 71.4 107.2





#65

Chlorobenzene

Concen: 51.828 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

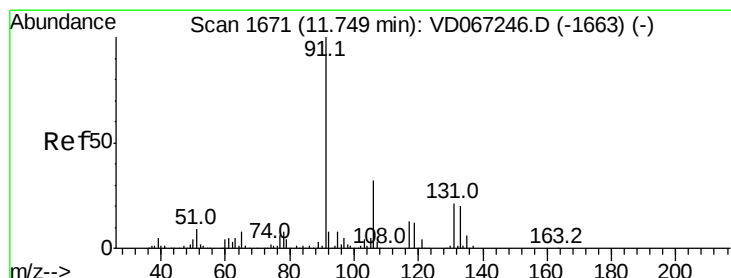
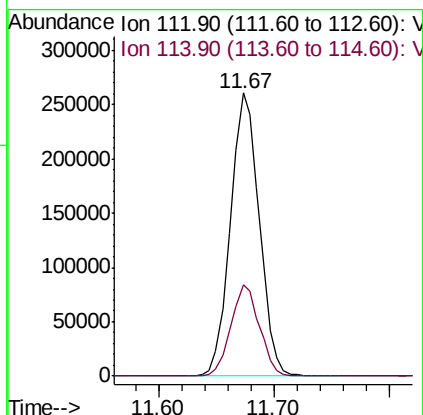
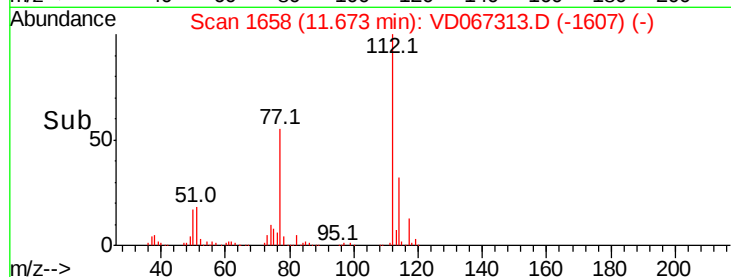
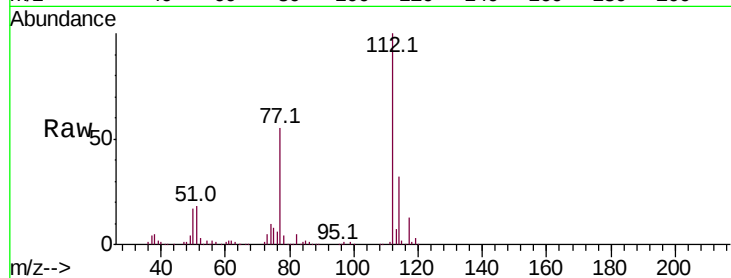
VSTDCCC050

Tot Ion:112 Resp: 449665

Ion Ratio Lower Upper

112 100

114 32.4 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 52.733 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

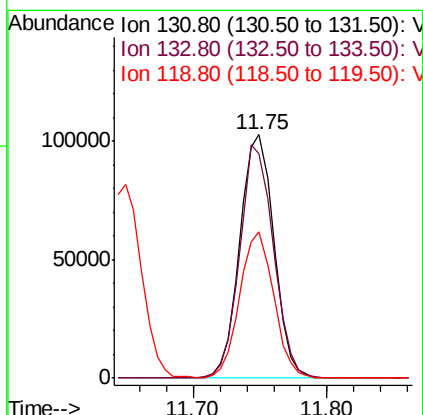
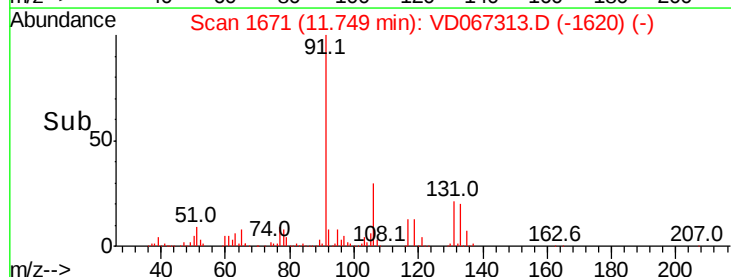
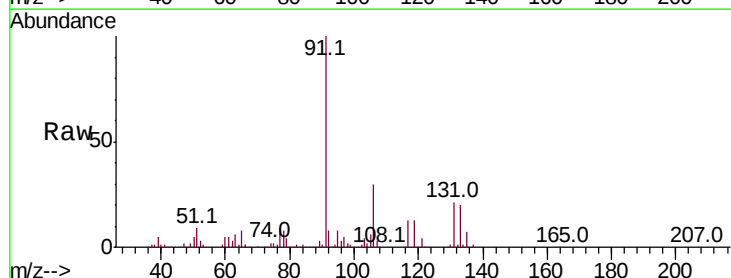
Tgt Ion:131 Resp: 181839

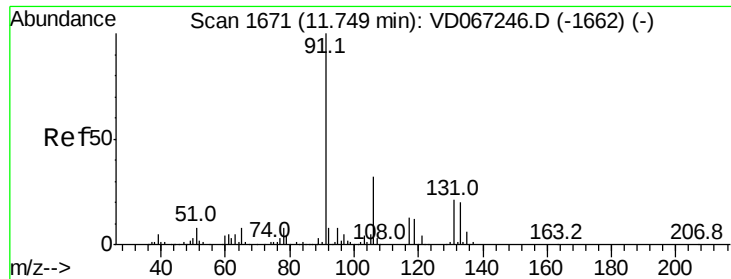
Ion Ratio Lower Upper

131 100

133 94.9 48.1 144.3

119 60.1 30.0 90.0





#67

Ethyl Benzene

Concen: 53.694 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

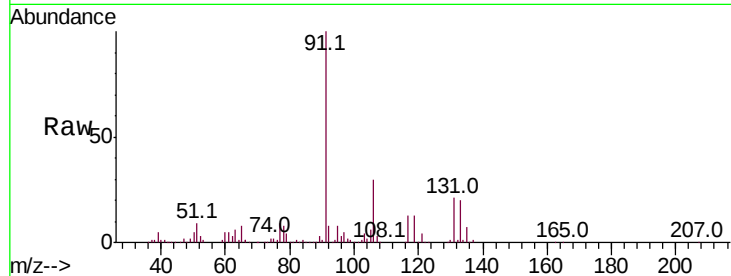
VSTDCCC050

Tot Ion: 91 Resp: 798568

Ion Ratio Lower Upper

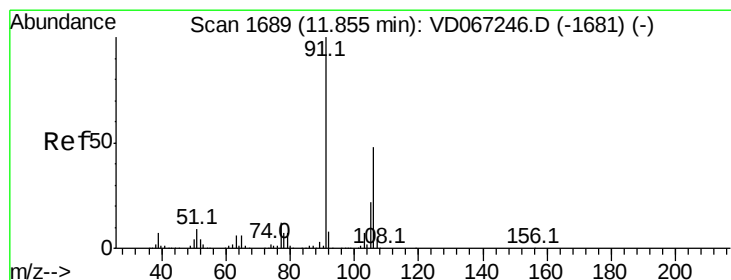
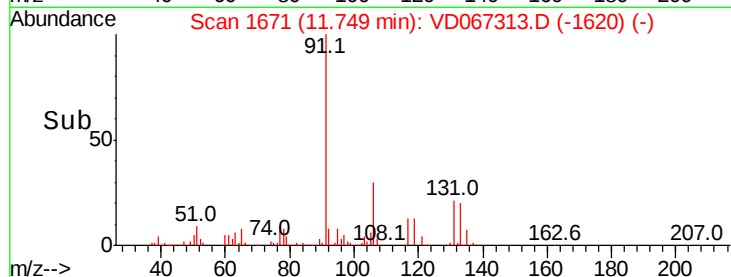
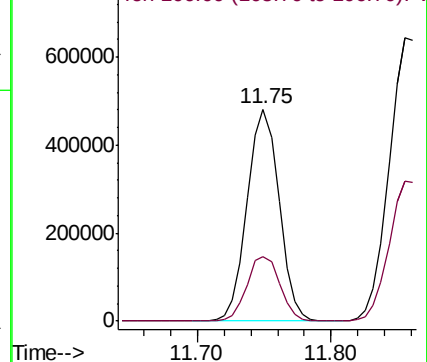
91 100

106 30.5 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 107.431 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067313.D

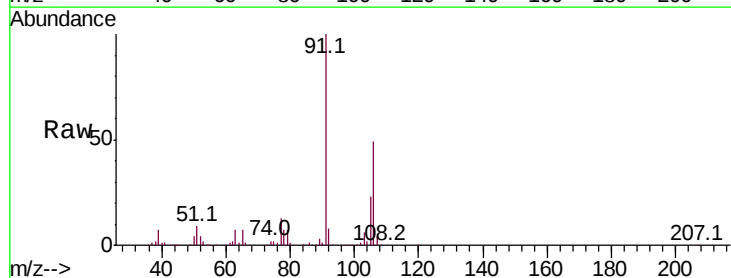
Acq: 20 Oct 2020 10:04

Tgt Ion: 106 Resp: 615277

Ion Ratio Lower Upper

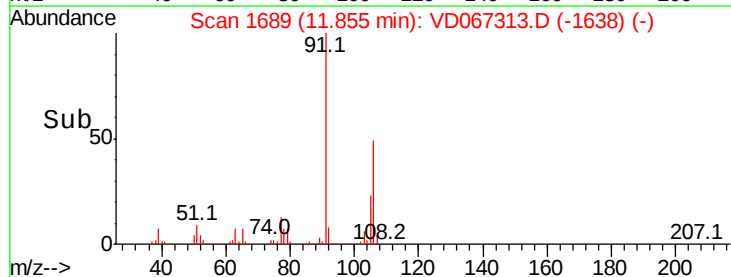
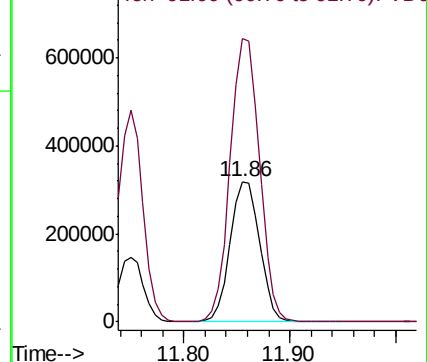
106 100

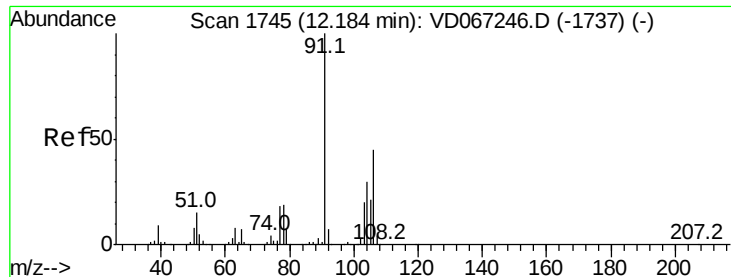
91 201.3 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

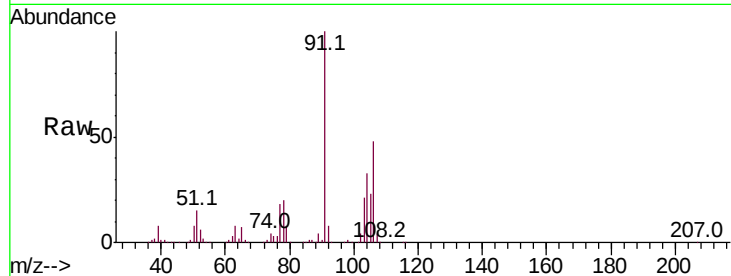




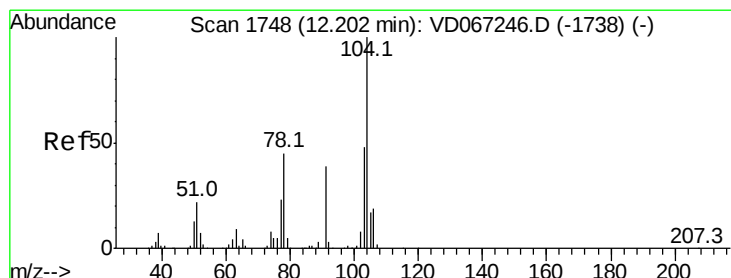
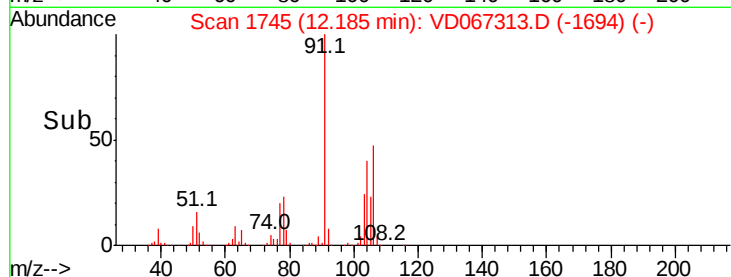
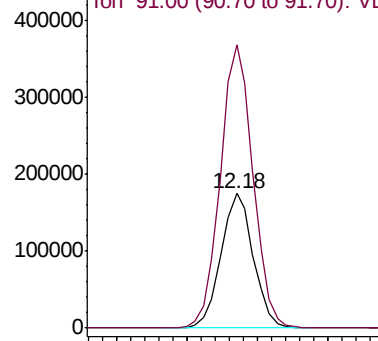
#69
o-Xylene
Concen: 52.957 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 280853
Ion Ratio Lower Upper
106 100
91 213.0 109.1 327.3

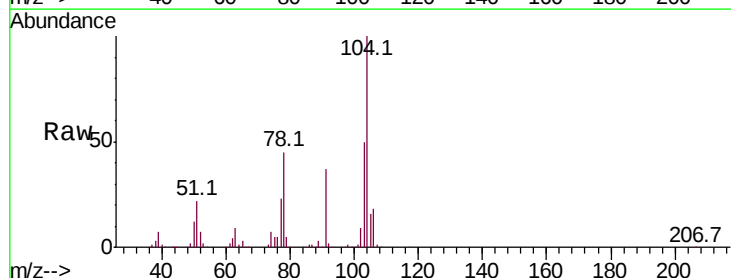


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

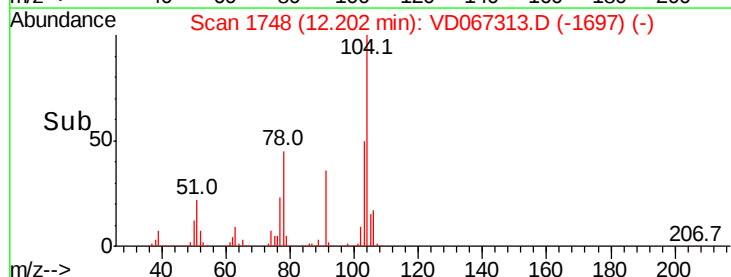
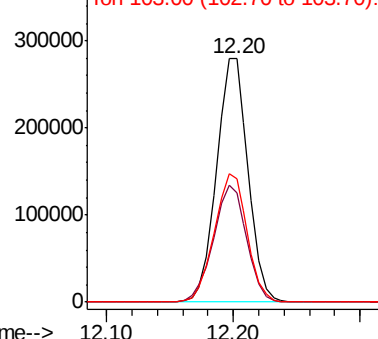


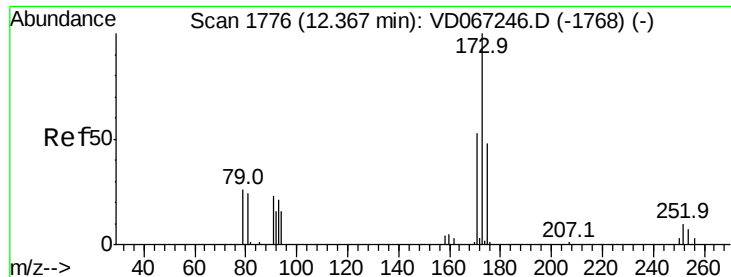
#70
Styrene
Concen: 52.749 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion:104 Resp: 481568
Ion Ratio Lower Upper
104 100
78 50.4 39.8 59.6
103 54.9 42.6 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.236 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

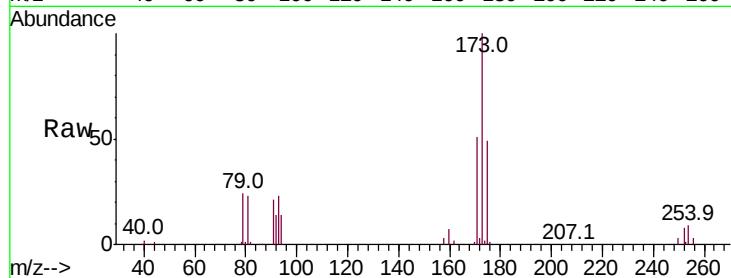
Tot Ion:173 Resp: 96768

Ion Ratio Lower Upper

173 100

175 48.5 24.2 72.6

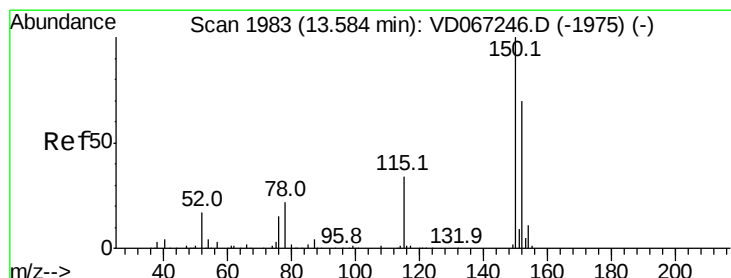
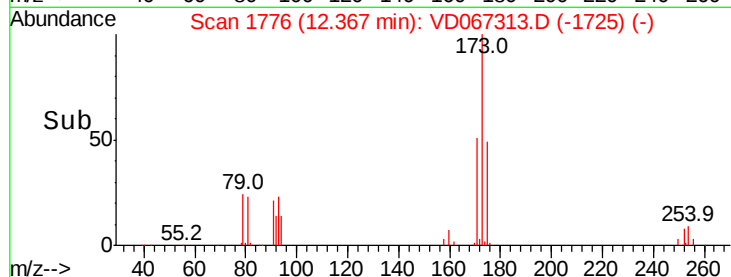
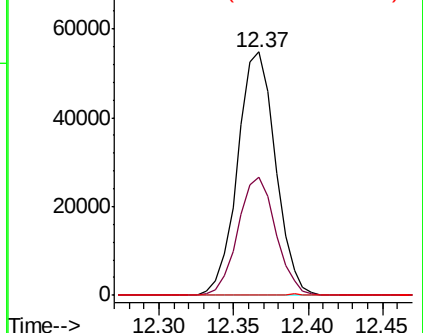
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

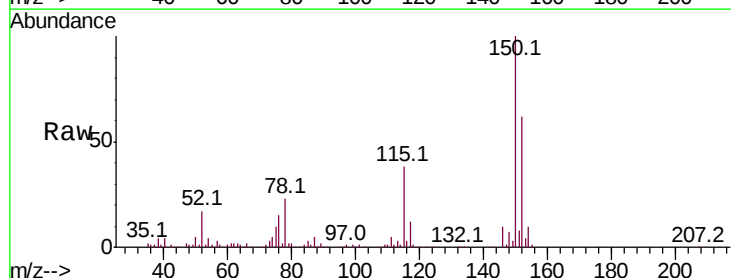
Tgt Ion:152 Resp: 224599

Ion Ratio Lower Upper

152 100

115 59.0 29.3 87.9

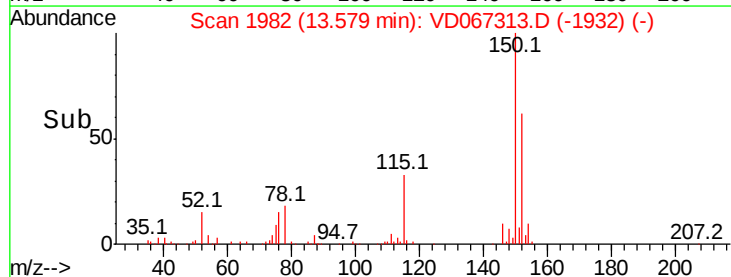
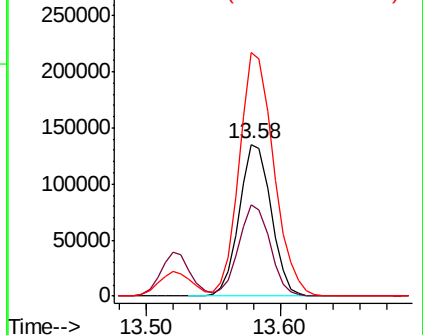
150 172.7 0.0 339.0

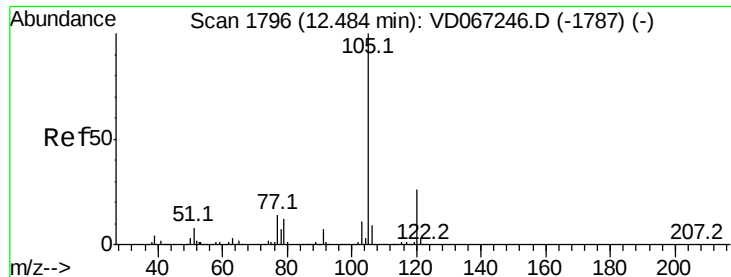


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.262 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

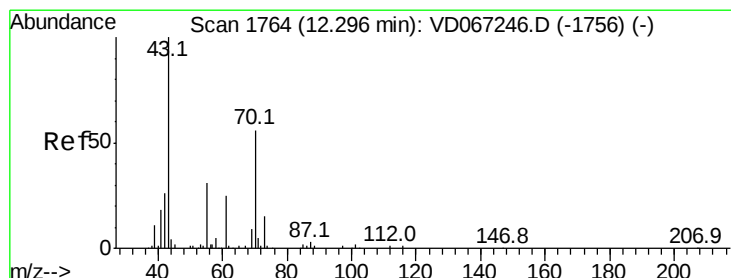
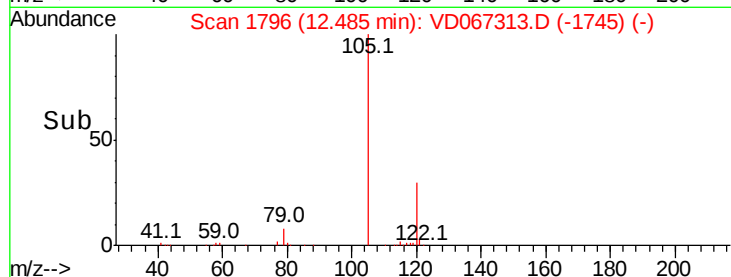
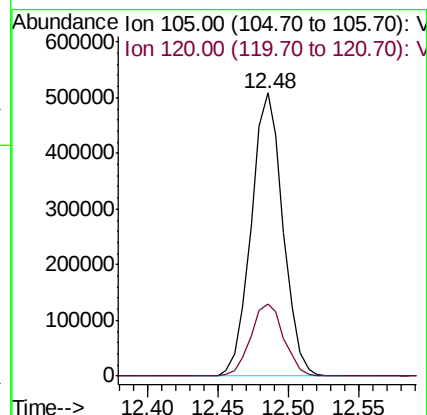
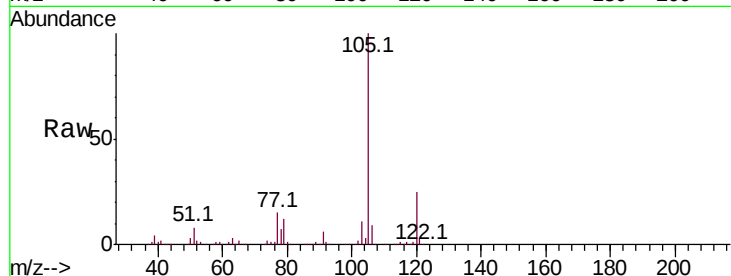
VSTDCCC050

Tot Ion:105 Resp: 801997

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 53.822 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Tgt Ion: 43 Resp: 115874

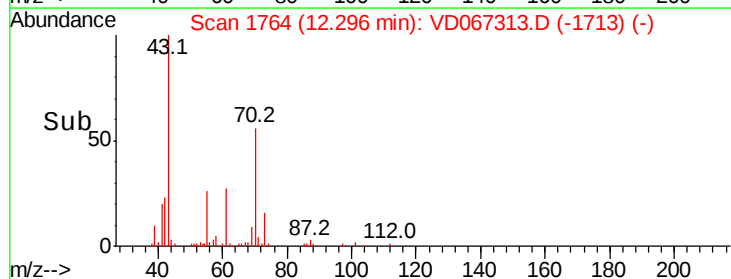
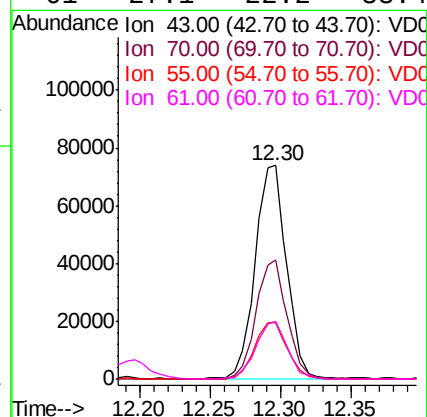
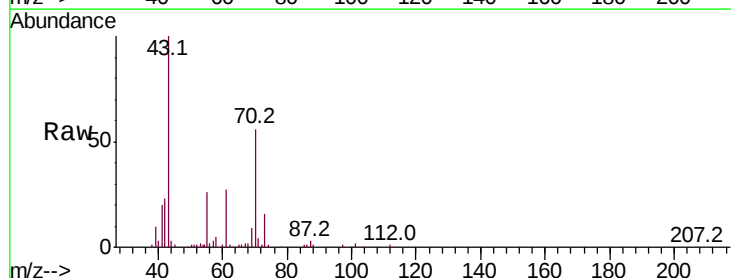
Ion Ratio Lower Upper

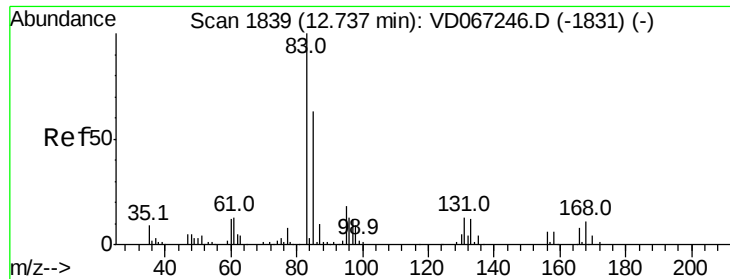
43 100

70 54.8 42.7 64.1

55 27.7 24.0 36.0

61 27.1 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.951 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

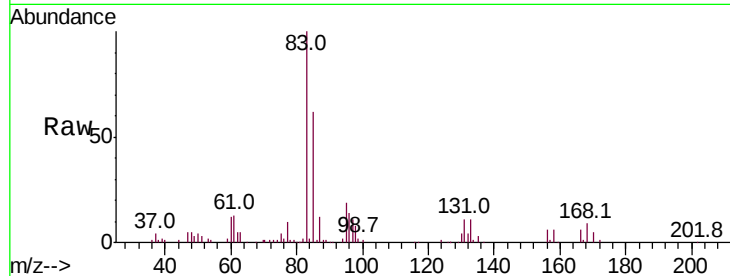
Tot Ion: 83 Resp: 115652

Ion Ratio Lower Upper

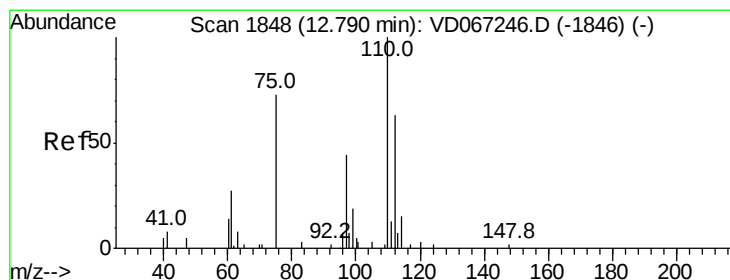
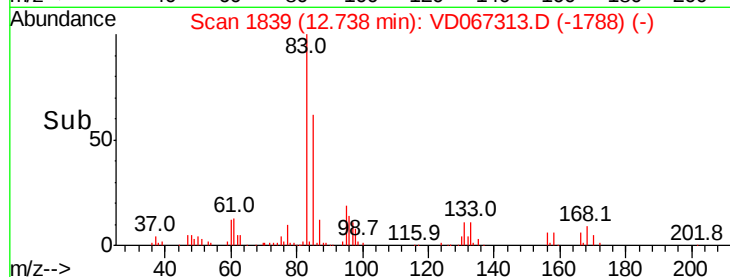
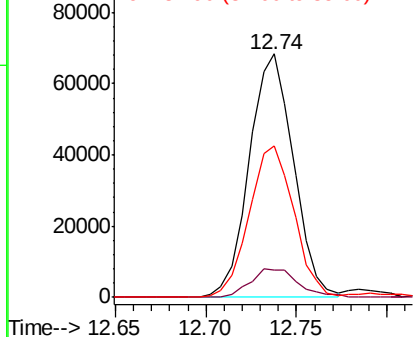
83 100

131 12.8 6.5 19.5

85 63.1 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 100.709 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067313.D

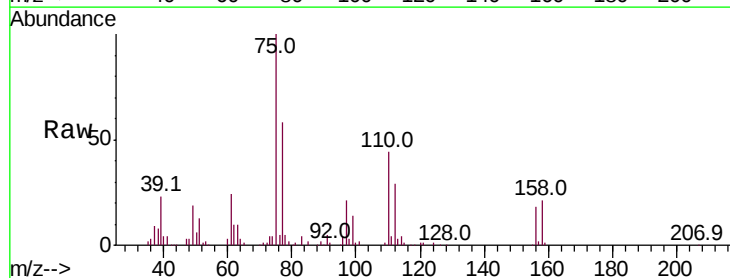
Acq: 20 Oct 2020 10:04

Tgt Ion: 75 Resp: 156772

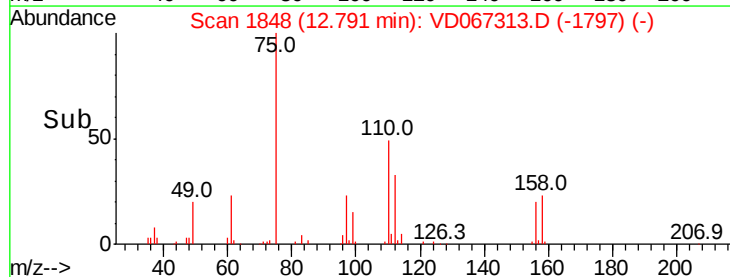
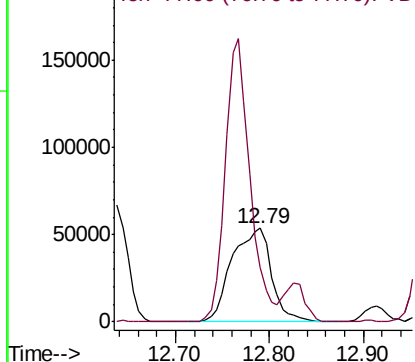
Ion Ratio Lower Upper

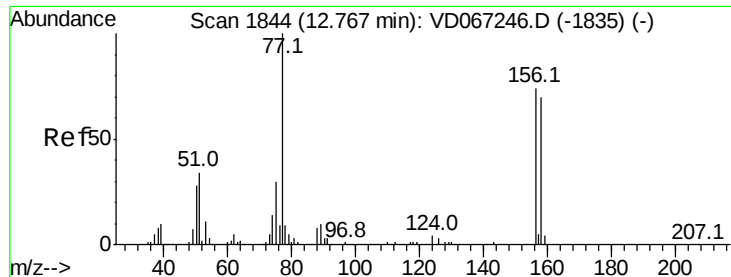
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 53.825 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

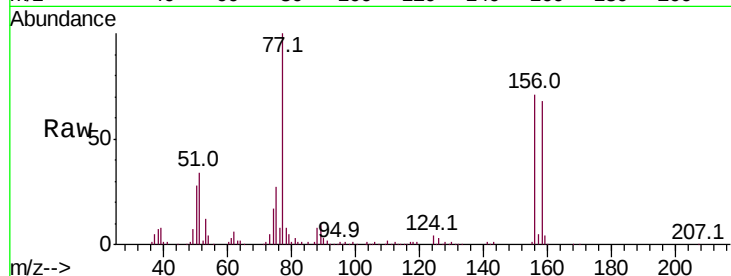
Tot Ion:156 Resp: 191283

Ion Ratio Lower Upper

156 100

77 155.5 78.0 233.8

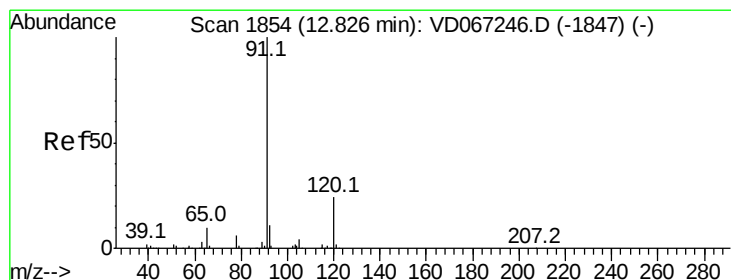
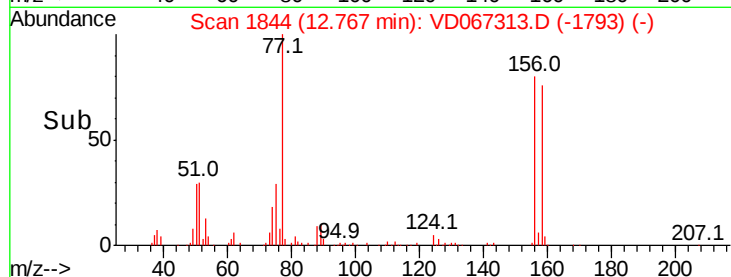
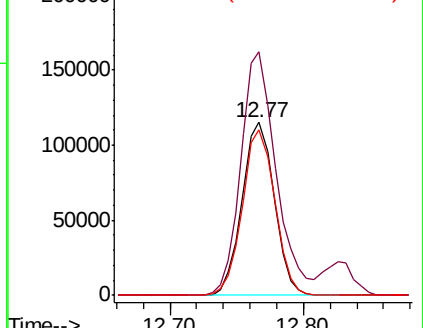
158 96.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.317 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067313.D

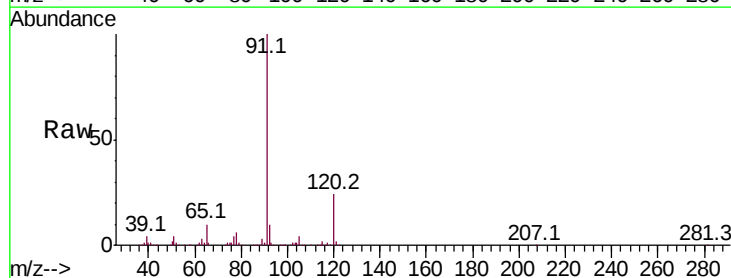
Acq: 20 Oct 2020 10:04

Tgt Ion: 91 Resp: 913605

Ion Ratio Lower Upper

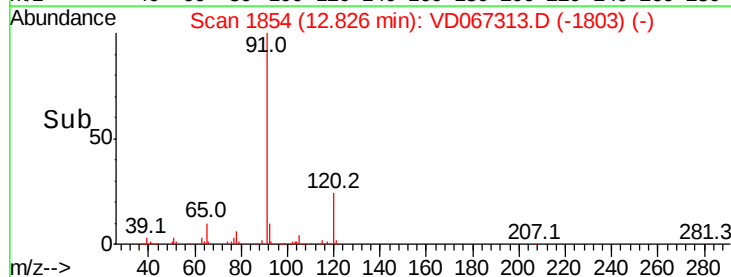
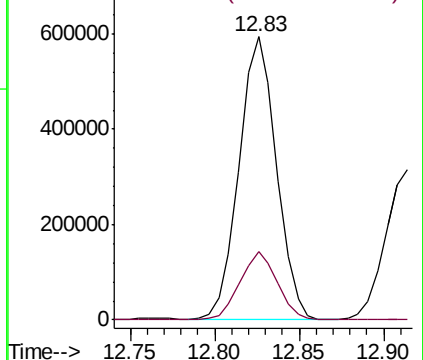
91 100

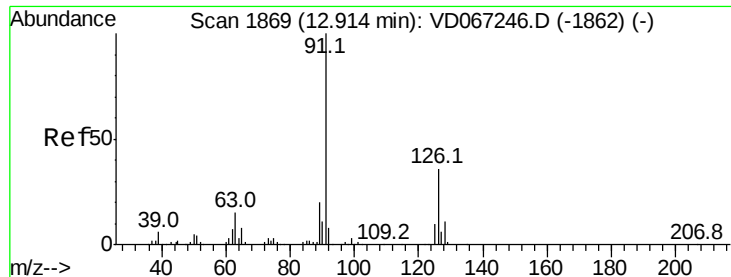
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.238 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

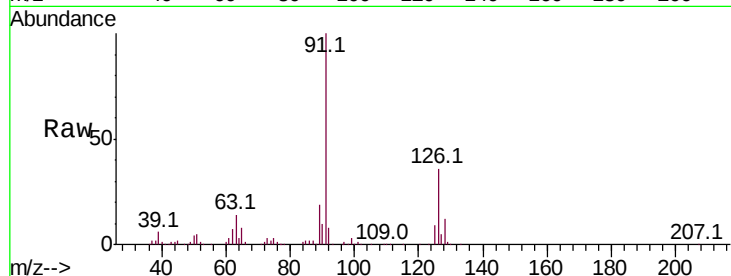
VSTDCCC050

Tot Ion: 91 Resp: 519484

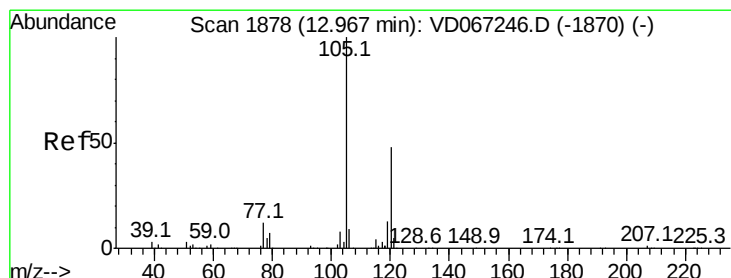
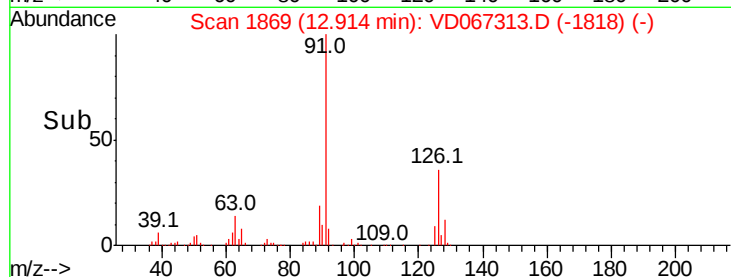
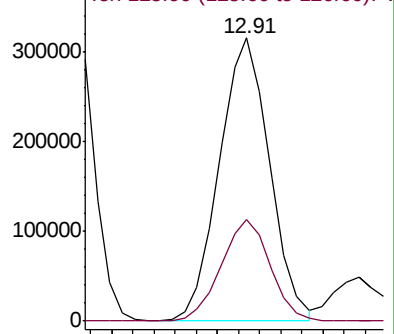
Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 55.269 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067313.D

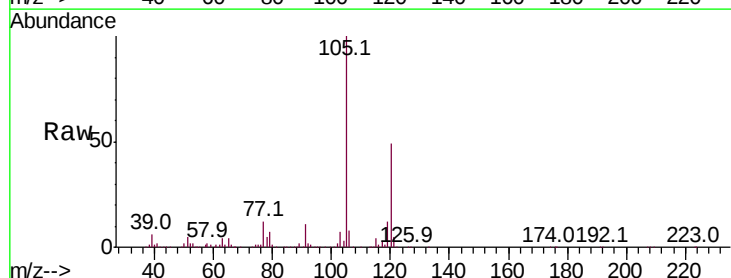
Acq: 20 Oct 2020 10:04

Tgt Ion: 105 Resp: 684623

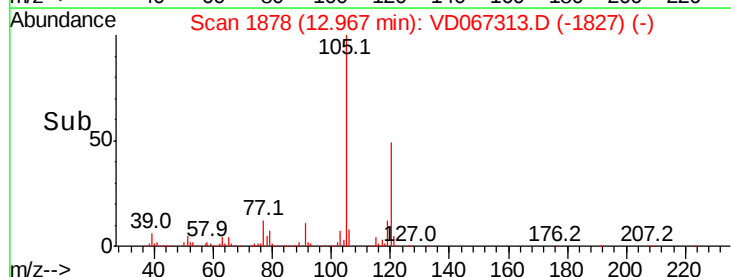
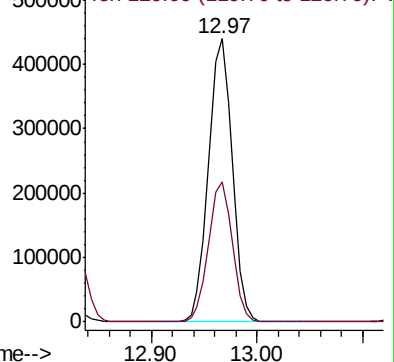
Ion Ratio Lower Upper

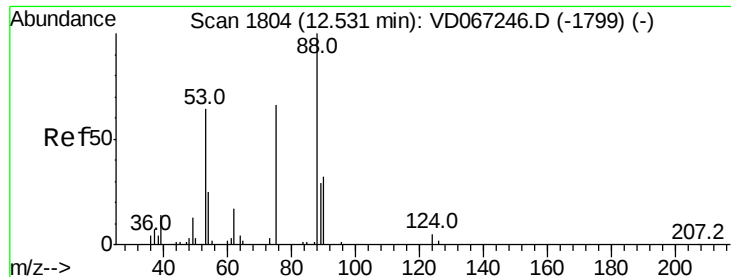
105 100

120 49.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

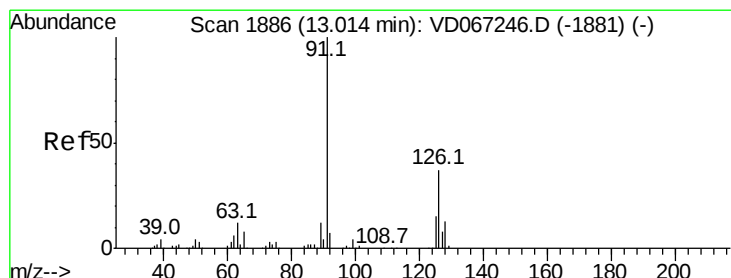
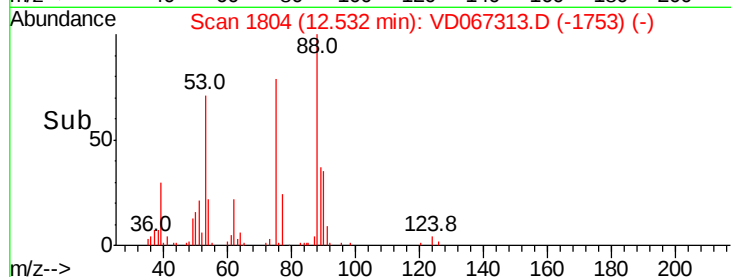
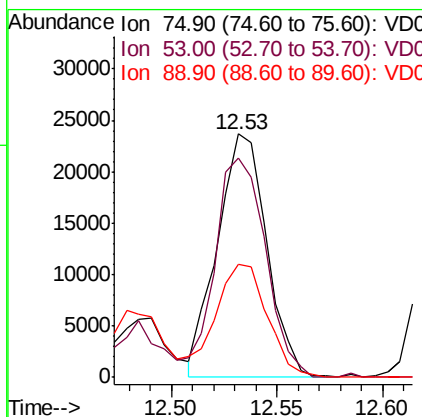
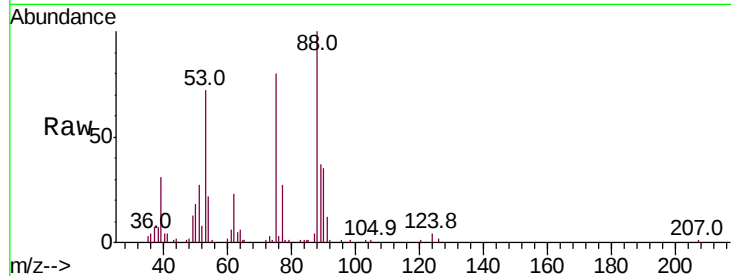




#81
trans-1,4-Dichloro-2-butene
Concen: 55.899 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

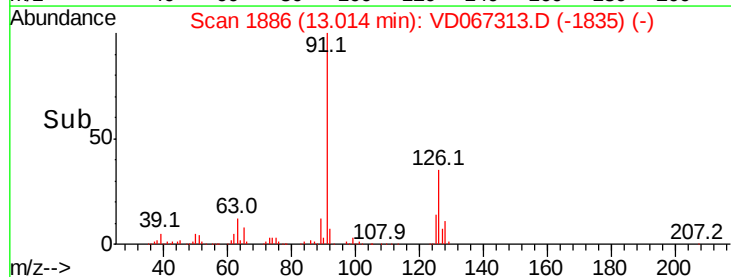
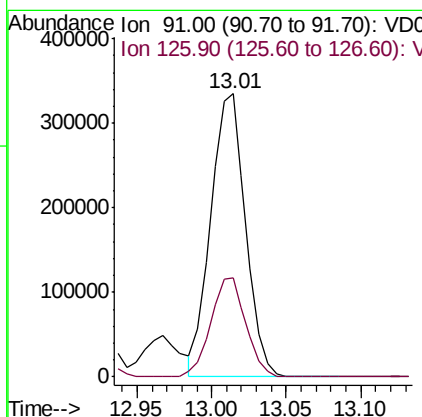
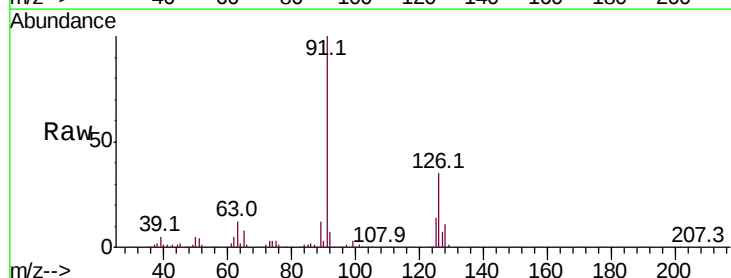
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

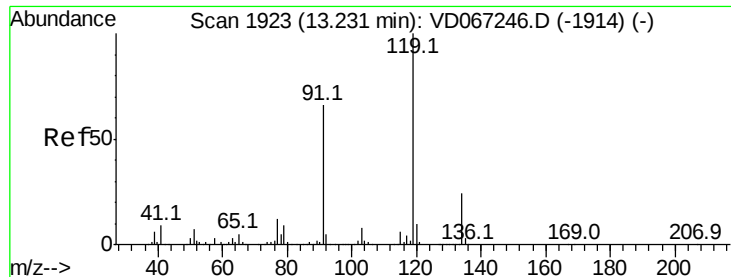
Tot Ion: 75 Resp: 38372
Ion Ratio Lower Upper
75 100
53 93.0 78.5 117.7
89 50.0 39.9 59.9



#82
4-Chlorotoluene
Concen: 53.560 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion: 91 Resp: 544456
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.5

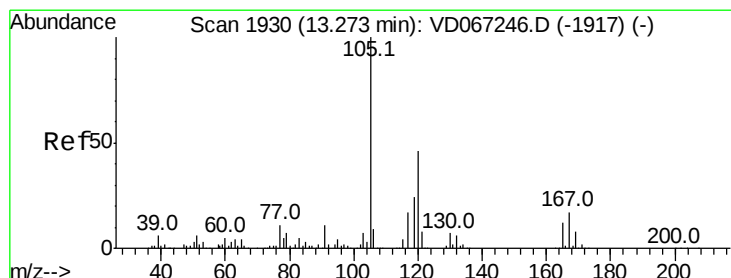
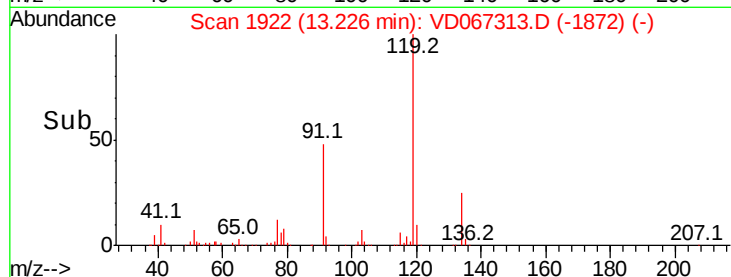
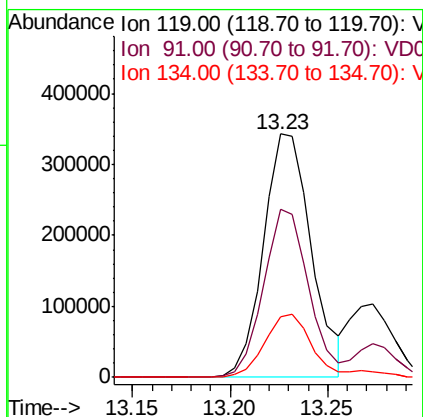
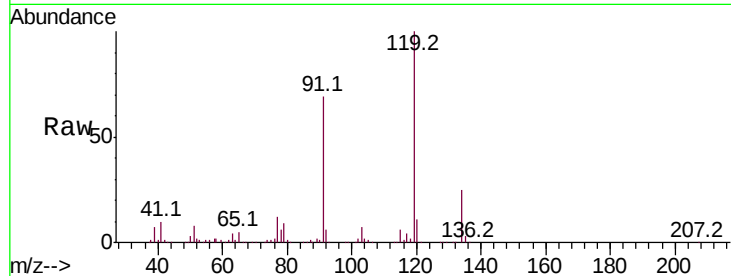




#83
tert-Butylbenzene
Concen: 55.851 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

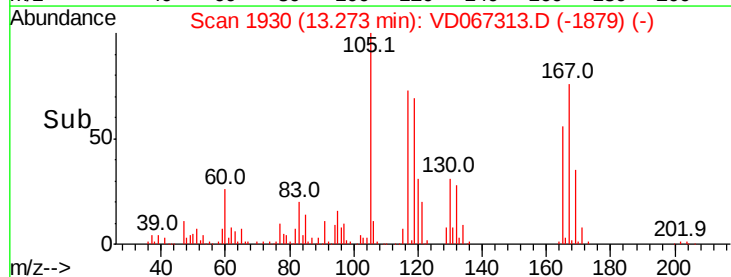
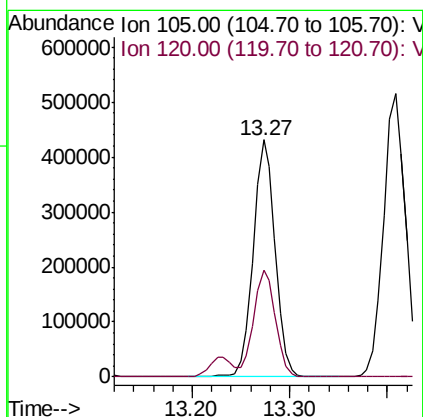
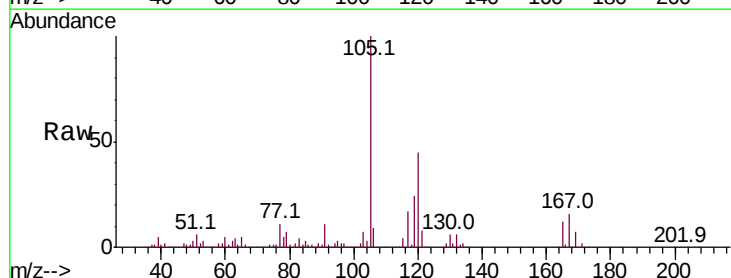
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

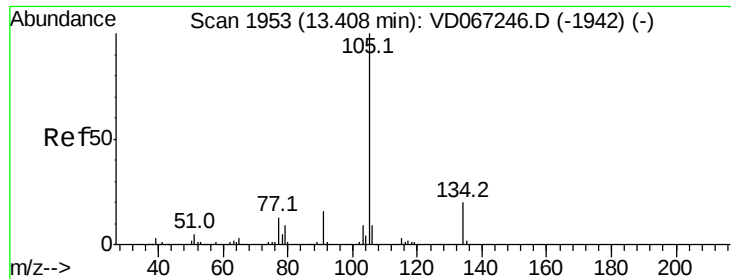
Tot Ion:119 Resp: 584400
Ion Ratio Lower Upper
119 100
91 64.8 33.1 99.2
134 27.2 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 55.622 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion:105 Resp: 680990
Ion Ratio Lower Upper
105 100
120 45.5 22.4 67.3

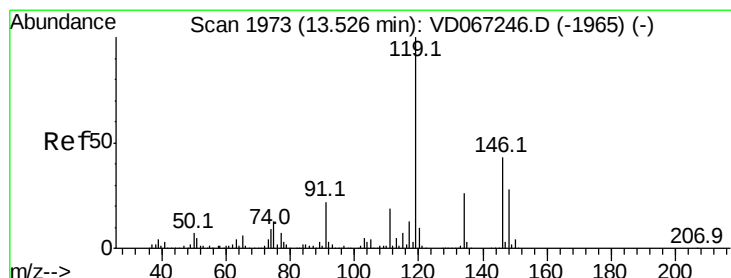
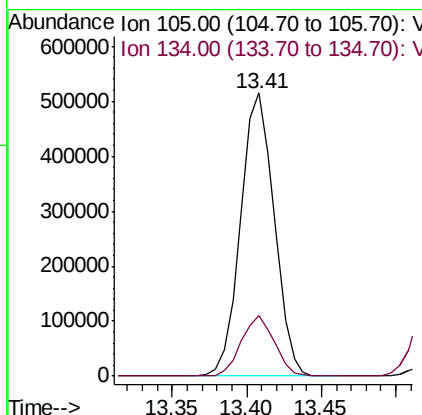
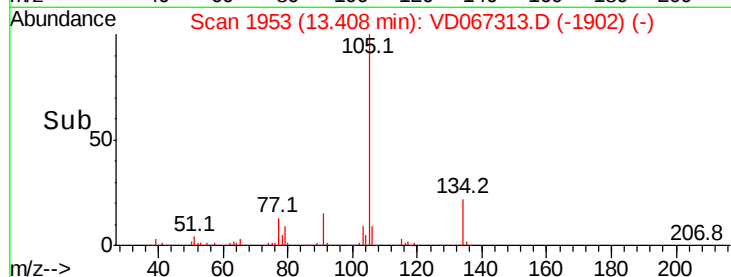
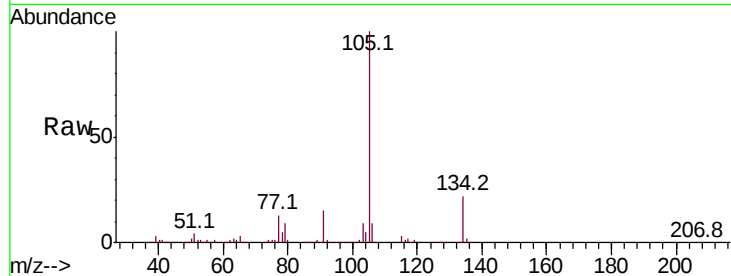




#85
 sec-Butylbenzene
 Concen: 56.005 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

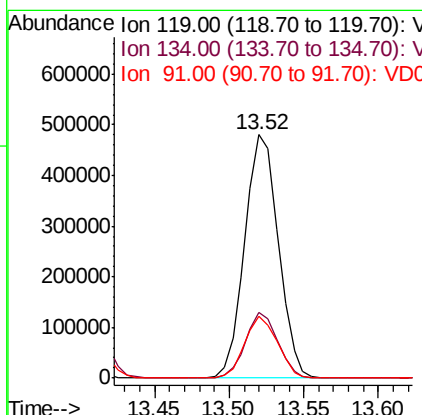
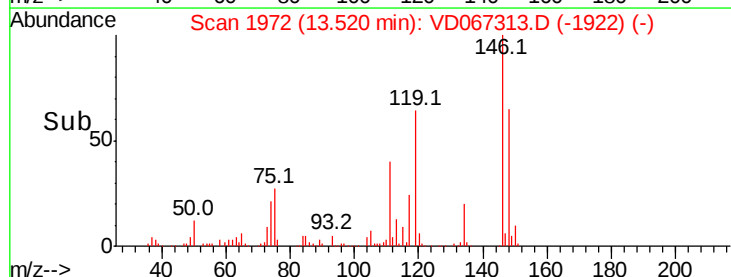
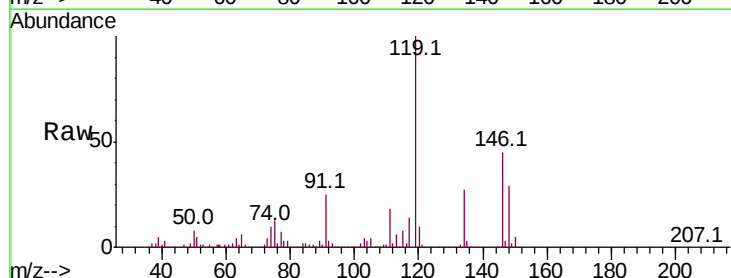
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

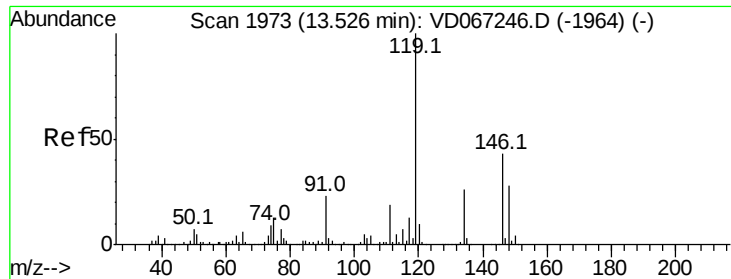
Tot Ion:105 Resp: 804097
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 55.267 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion:119 Resp: 748959
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 24.6 11.9 35.9

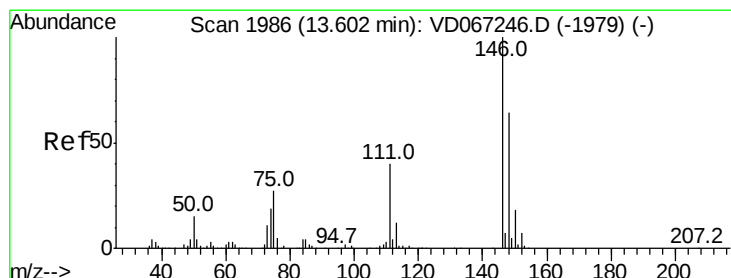
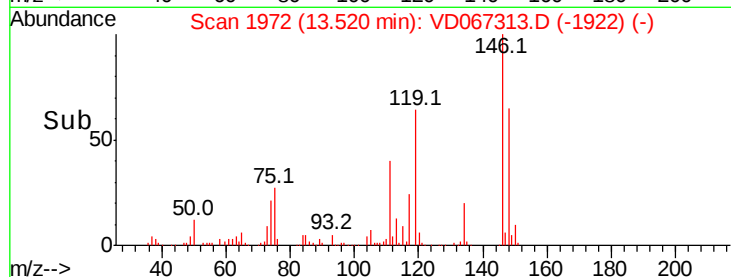
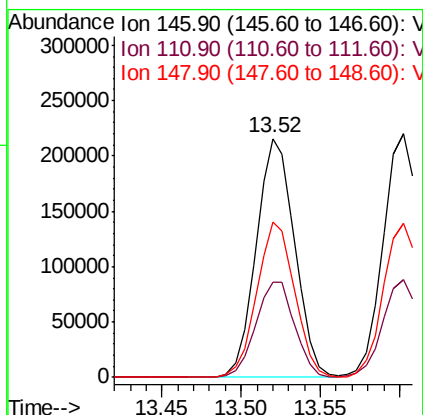
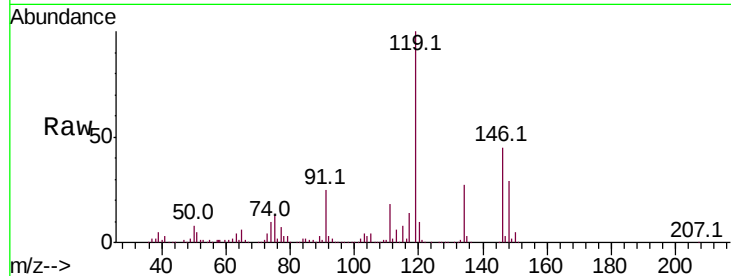




#87
 1,3-Dichlorobenzene
 Concen: 52.955 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

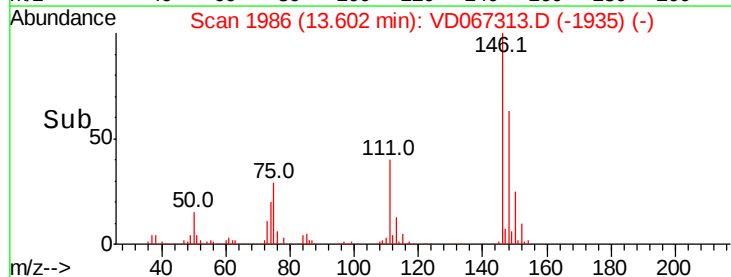
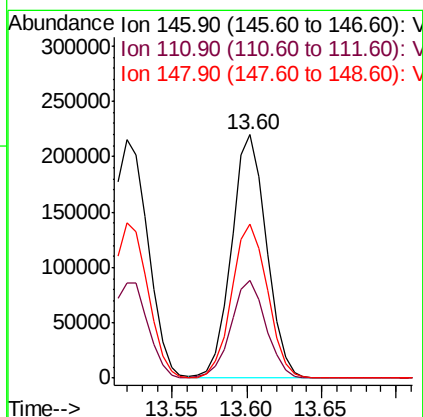
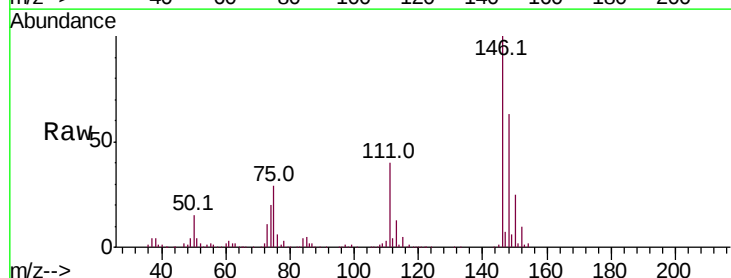
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

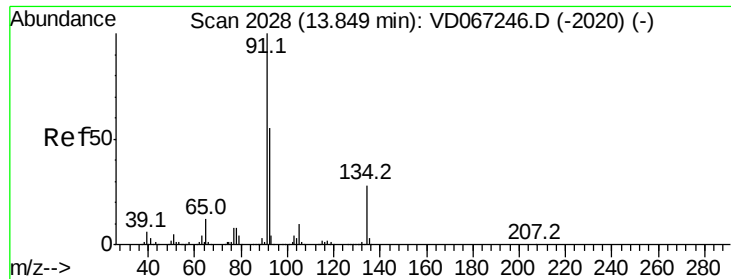
Tot Ion:146 Resp: 362228
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.3
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 53.051 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion:146 Resp: 359525
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.9 59.7
 148 64.7 31.9 95.9

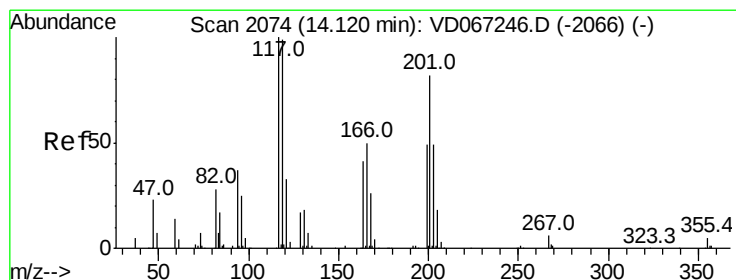
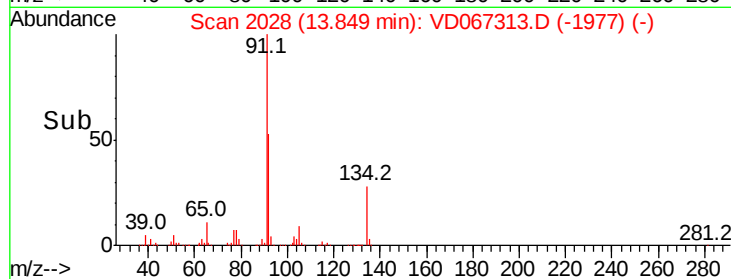
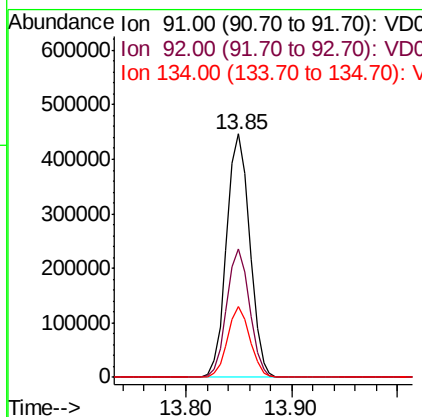
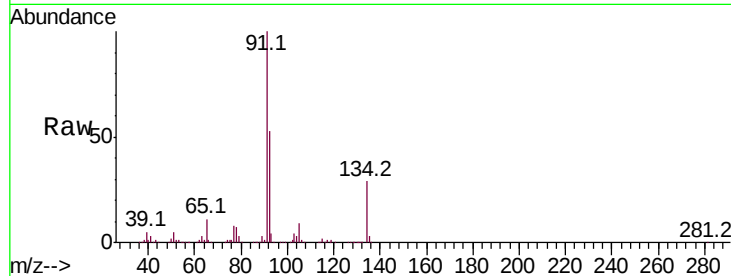




#89
n-Butylbenzene
Concen: 56.957 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

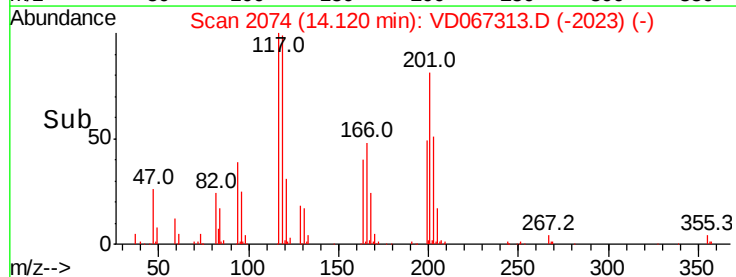
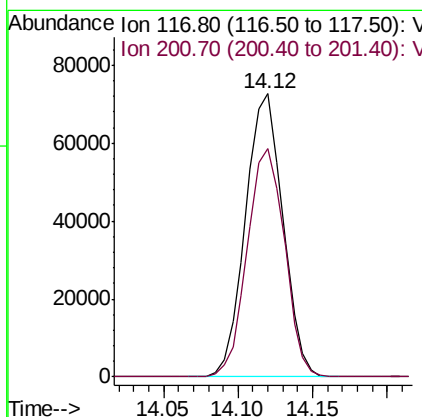
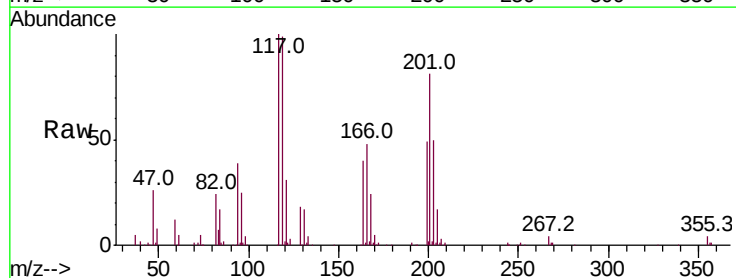
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

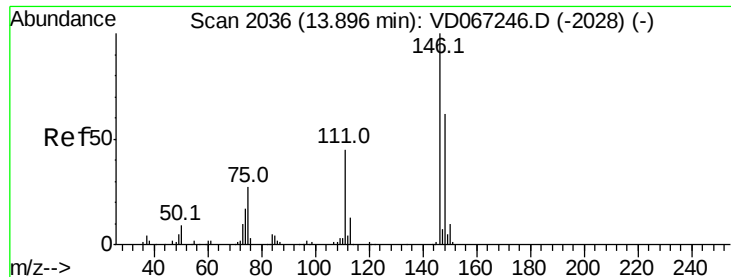
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.7	80.0
134	27.8	14.2	42.6



#90
Hexachloroethane
Concen: 53.317 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	40.8	122.2





#91

1,2-Dichlorobenzene

Concen: 52.483 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

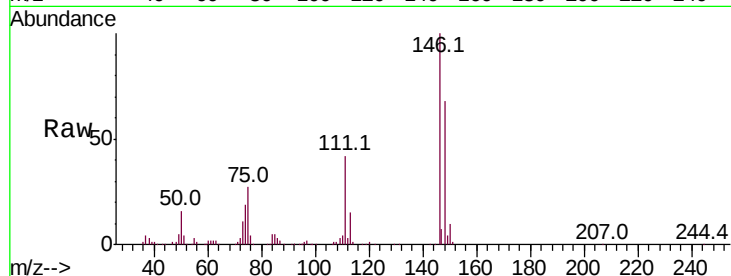
Tot Ion:146 Resp: 313619

Ion Ratio Lower Upper

146 100

111 41.7 22.0 66.0

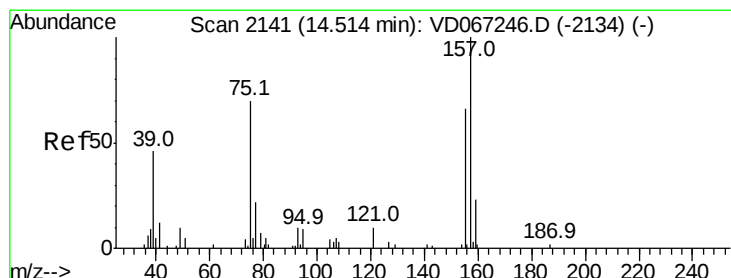
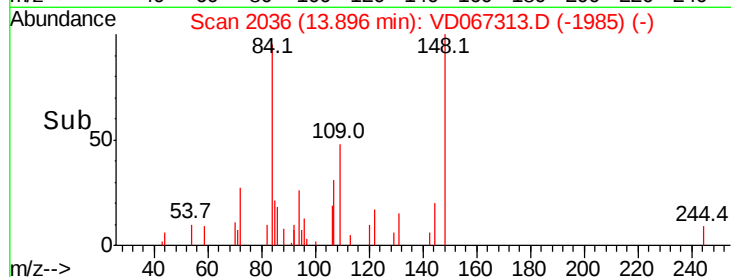
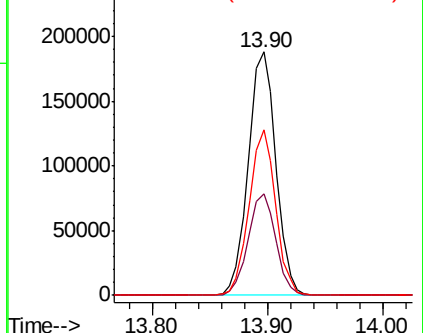
148 65.2 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): 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: 50.807 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067313.D

Acq: 20 Oct 2020 10:04

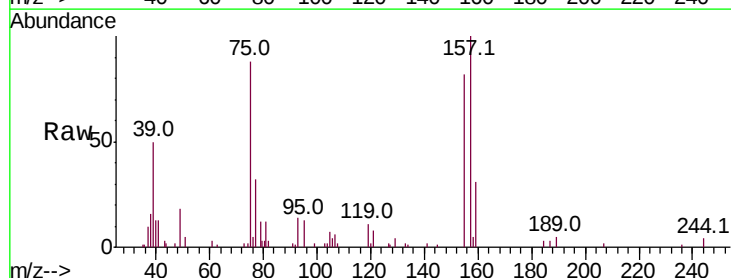
Tgt Ion: 75 Resp: 20160

Ion Ratio Lower Upper

75 100

155 88.3 44.8 134.4

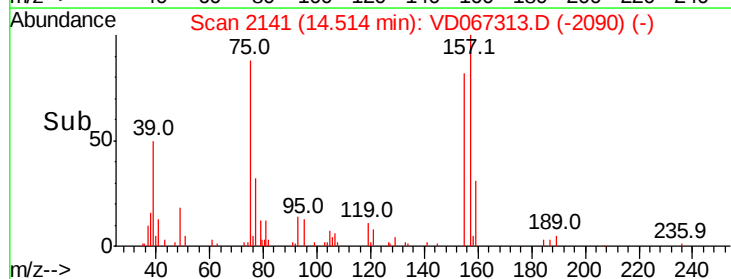
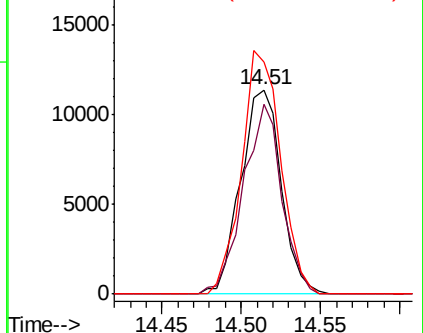
157 115.4 62.5 187.4

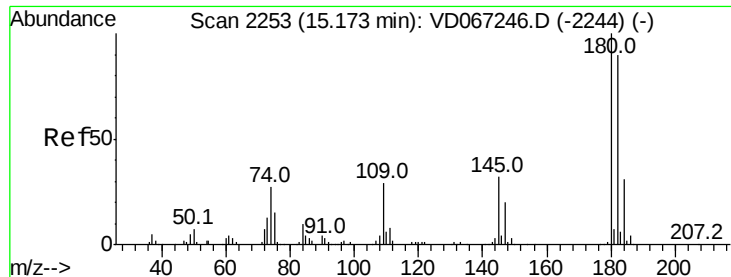


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

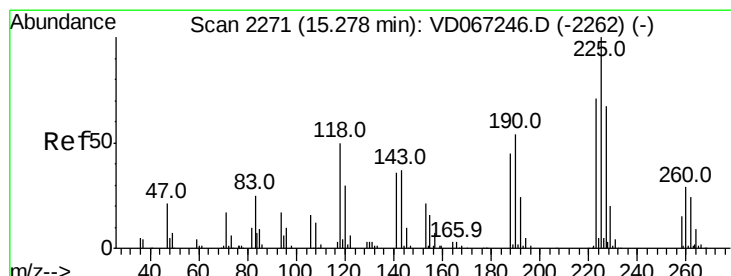
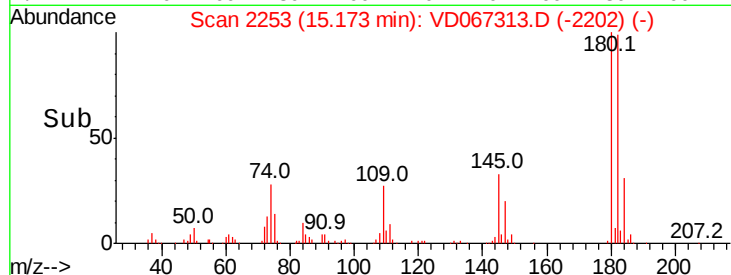
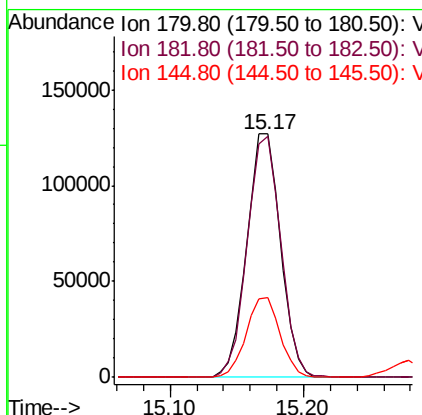
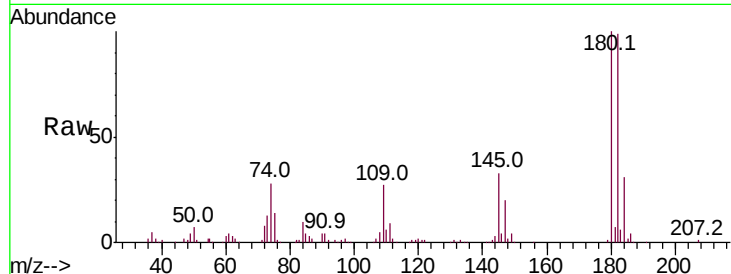




#93
 1,2,4-Trichlorobenzene
 Concen: 54.822 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

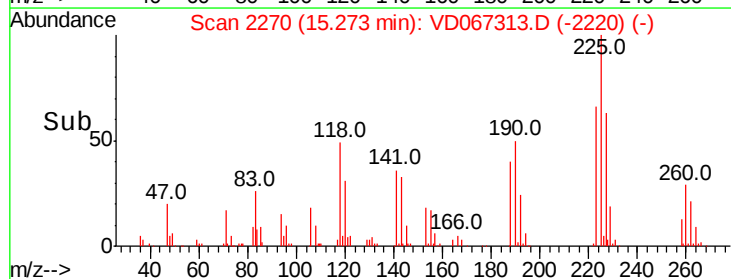
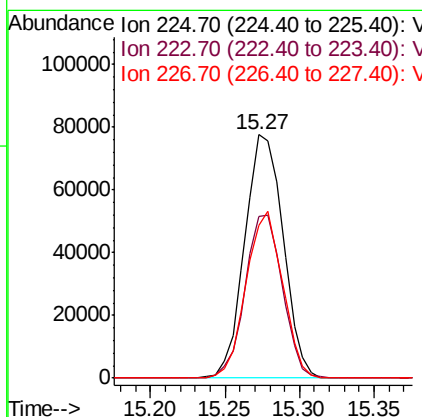
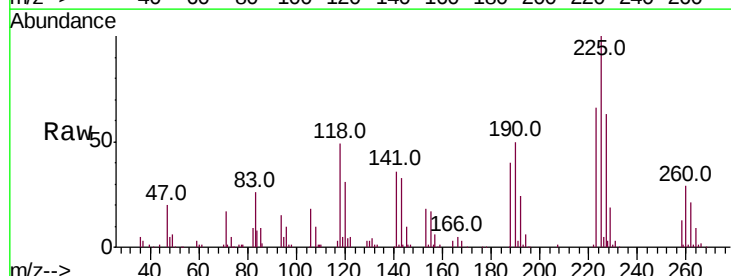
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

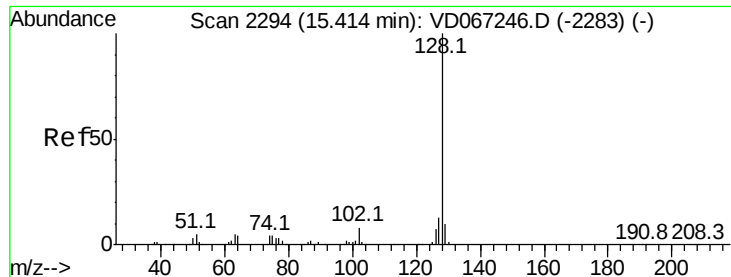
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	48.1	144.4
145	33.0	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 55.251 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067313.D
 Acq: 20 Oct 2020 10:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.9	95.7
227	64.9	31.2	93.6

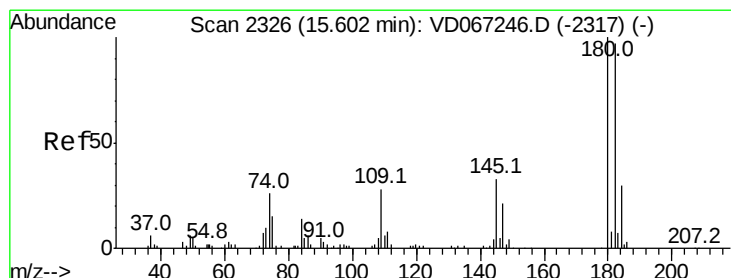
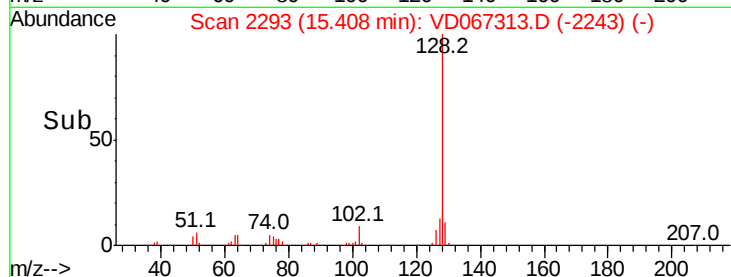
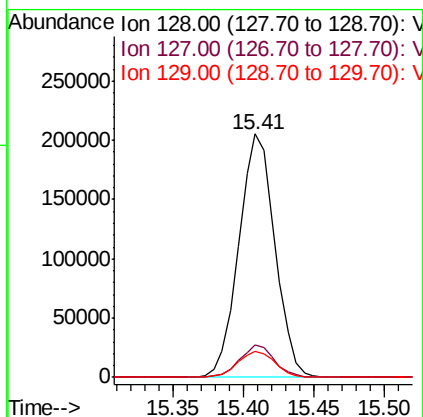
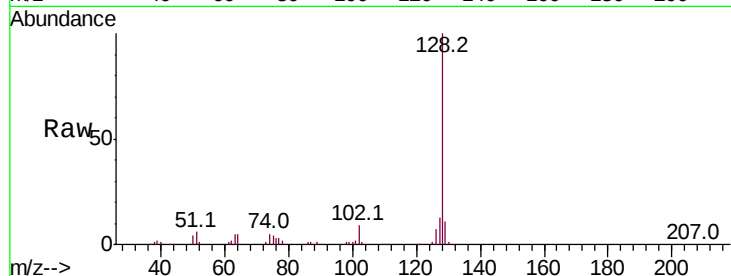




#95
Naphthalene
Concen: 55.459 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 366847
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 55.236 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067313.D
Acq: 20 Oct 2020 10:04

Tgt Ion:180 Resp: 192256
Ion Ratio Lower Upper
180 100
182 96.6 48.1 144.3
145 34.3 17.3 51.9

