

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065657.D
 Acq On : 17 Apr 2020 21:13
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Quant Time: Apr 20 07:03:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	209412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	307779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	93789	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.92	113	95528	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	10.34	98	349897	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.64	95	115750	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	28387	16.279	ug/l	98
3) Chloromethane	2.21	50	33734	17.726	ug/l	98
4) Vinyl Chloride	2.35	62	37147	17.967	ug/l	97
5) Bromomethane	2.76	94	24911	22.184	ug/l	87
6) Chloroethane	2.91	64	24027	19.548	ug/l	91
7) Trichlorofluoromethane	3.27	101	54915	18.631	ug/l	97
8) Diethyl Ether	3.70	74	12898	21.304	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	25687	19.117	ug/l	99
10) Methyl Iodide	4.29	142	21355	15.502	ug/l	99
11) Tert butyl alcohol	5.24	59	9495	107.770	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	22007	18.220	ug/l	98
13) Acrolein	3.92	56	7217	91.539	ug/l	93
14) Allyl chloride	4.71	41	34555	18.659	ug/l	98
15) Acrylonitrile	5.43	53	27257	74.761	ug/l	97
16) Acetone	4.16	43	24214	95.042	ug/l	100
17) Carbon Disulfide	4.40	76	75153	18.441	ug/l	99
18) Methyl Acetate	4.71	43	15071	20.542	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	52018	15.209	ug/l	95
20) Methylene Chloride	4.96	84	33916	20.877	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	27349	14.013	ug/l	95
22) Diisopropyl ether	6.37	45	114494	20.539	ug/l	97
23) Vinyl Acetate	6.31	43	297055	98.216	ug/l	98
24) 1,1-Dichloroethane	6.26	63	67135	19.062	ug/l	99
25) 2-Butanone	7.22	43	47963	100.897	ug/l	99
26) 2,2-Dichloropropane	7.21	77	53056	17.284	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	42009	19.402	ug/l	99
28) Bromochloromethane	7.55	49	32177	22.876	ug/l	98
29) Tetrahydrofuran	7.57	42	31854	105.609	ug/l	98
30) Chloroform	7.71	83	74038	20.540	ug/l	93
31) Cyclohexane	7.98	56	59194	17.644	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	62132	19.171	ug/l	99
36) 1,1-Dichloropropene	8.11	75	52808	17.769	ug/l	100
37) Ethyl Acetate	7.30	43	21616	18.239	ug/l	97
38) Carbon Tetrachloride	8.10	117	57680	18.119	ug/l	98

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 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
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 VD0417SBS01

Quant Time: Apr 20 07:03:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	55803	16.136	ug/l	97
40) Benzene	8.36	78	160392	18.771	ug/l	98
41) Methacrylonitrile	7.53	41	12863	21.914	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	46764	19.970	ug/l	100
43) Isopropyl Acetate	8.46	43	41875	19.621	ug/l	97
44) Trichloroethene	9.11	130	43000	17.978	ug/l	99
45) 1,2-Dichloropropane	9.39	63	40438	19.284	ug/l	97
46) Dibromomethane	9.48	93	21476	19.804	ug/l	98
47) Bromodichloromethane	9.67	83	55576	19.246	ug/l	100
48) Methyl methacrylate	9.46	41	18992	17.782	ug/l #	88
49) 1,4-Dioxane	9.47	88	4774	380.772	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	108376	97.107	ug/l	97
52) Toluene	10.40	92	102148	19.392	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	48650	18.348	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	61320	19.109	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	31398	20.470	ug/l	97
56) Ethyl methacrylate	10.67	69	31441	18.715	ug/l	99
57) 1,3-Dichloropropane	10.95	76	51183	19.597	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	88387	103.483	ug/l	99
59) 2-Hexanone	10.99	43	73878	96.624	ug/l	98
60) Dibromochloromethane	11.14	129	39576	19.590	ug/l	97
61) 1,2-Dibromoethane	11.25	107	29199	19.784	ug/l	99
64) Tetrachloroethene	10.88	164	38733	18.104	ug/l	96
65) Chlorobenzene	11.67	112	111480	18.884	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	43462	19.255	ug/l	99
67) Ethyl Benzene	11.75	91	177533	17.596	ug/l	100
68) m/p-Xylenes	11.86	106	143270	36.757	ug/l	99
69) o-Xylene	12.18	106	61627	18.020	ug/l	97
70) Styrene	12.20	104	113309	18.718	ug/l	99
71) Bromoform	12.37	173	24015	18.939	ug/l #	100
73) Isopropylbenzene	12.48	105	157434	16.556	ug/l	99
74) N-amyl acetate	12.30	43	36485	18.264	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	34293	19.861	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	43686	34.462	ug/l #	100
77) Bromobenzene	12.77	156	48012	19.013	ug/l	98
78) n-propylbenzene	12.83	91	206602	17.960	ug/l	99
79) 2-Chlorotoluene	12.91	91	118325	18.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	145935	18.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10171	17.584	ug/l	99
82) 4-Chlorotoluene	13.01	91	127992	18.207	ug/l	99
83) tert-Butylbenzene	13.23	119	112693	16.749	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	145363	18.170	ug/l	100
85) sec-Butylbenzene	13.41	105	165941	17.238	ug/l	99
86) p-Isopropyltoluene	13.53	119	154581	17.111	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	88464	17.892	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	90961	18.484	ug/l	99
89) n-Butylbenzene	13.85	91	130298	15.891	ug/l	99
90) Hexachloroethane	14.12	117	33596	17.732	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	78478	18.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5229	20.025	ug/l	95

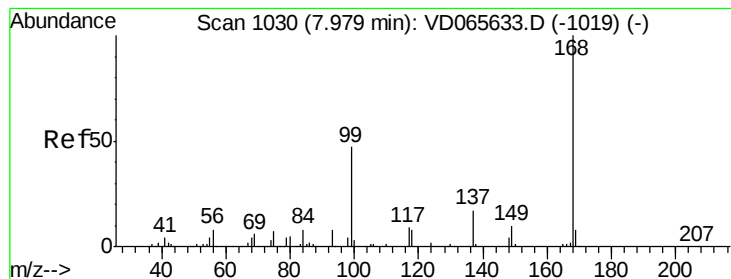
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041720\
Data File : VD065657.D
Acq On : 17 Apr 2020 21:13
Operator : VA/SY
Sample : VD0417SBSD01
Misc : 5.65G/5.00ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Quant Time: Apr 20 07:03:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 19:43:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	50608	17.356	ug/l	97
94) Hexachlorobutadiene	15.28	225	34550	17.281	ug/l	97
95) Naphthalene	15.41	128	73975	17.694	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	46198	17.958	ug/l	98

(#) = 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. 0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

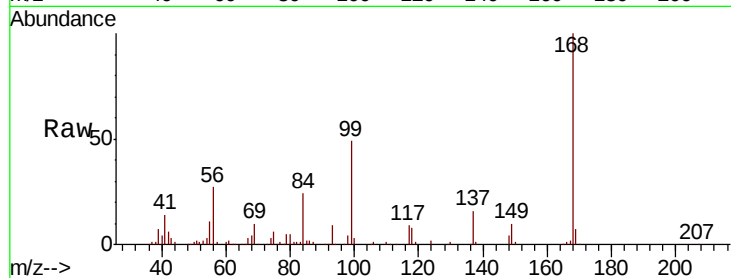
VD0417SBS01

Tot Ion:168 Resp: 209412

Ion Ratio Lower Upper

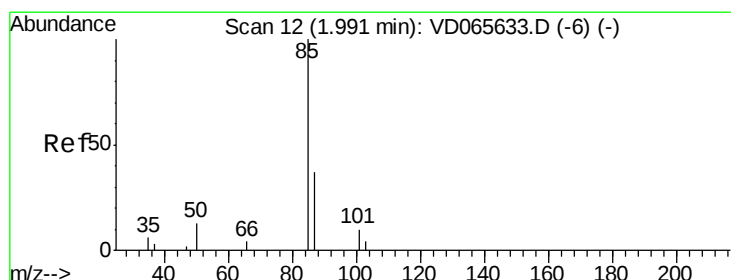
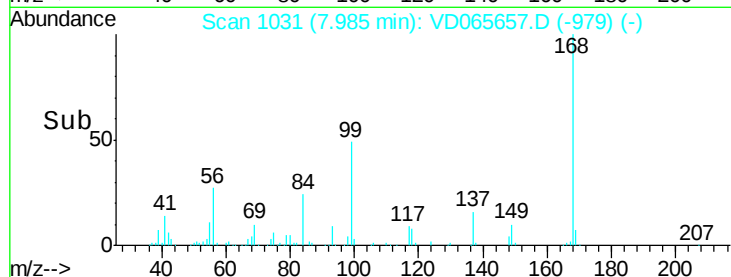
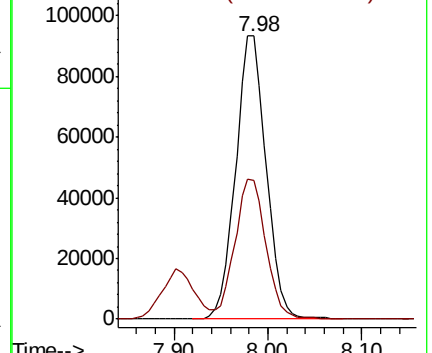
168 100

99 48.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 16.279 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065657.D

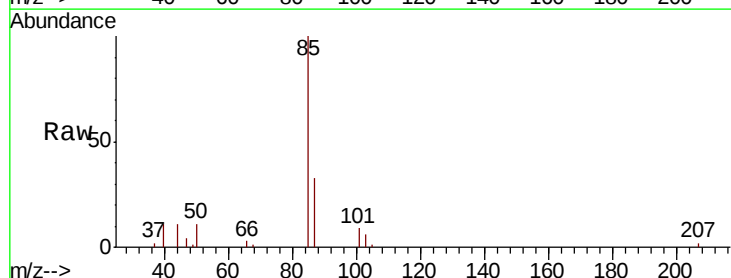
Acq: 17 Apr 2020 21:13

Tgt Ion: 85 Resp: 28387

Ion Ratio Lower Upper

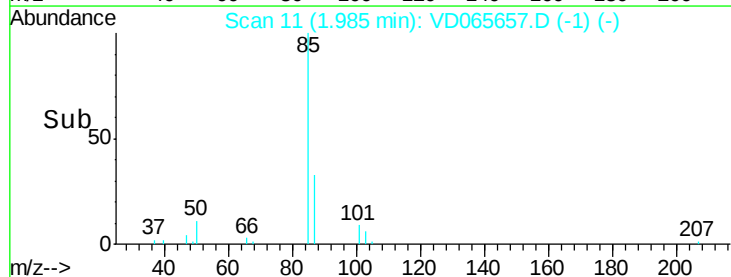
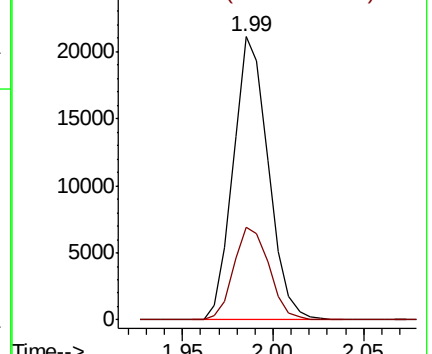
85 100

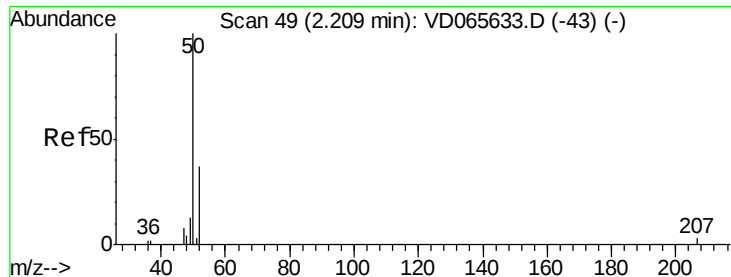
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.726 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

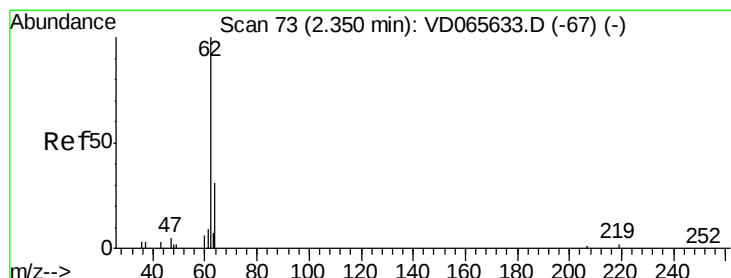
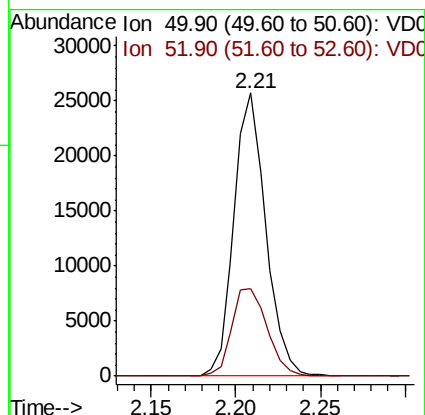
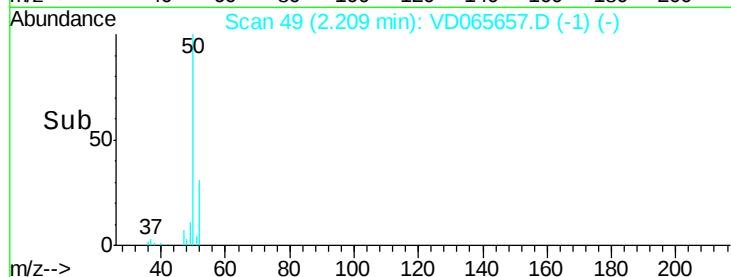
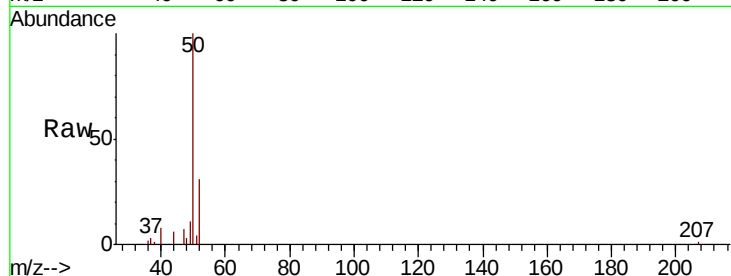
VD0417SBSD01

Tot Ion: 50 Resp: 33734

Ion Ratio Lower Upper

50 100

52 31.0 25.7 38.5



#4

Vinyl Chloride

Concen: 17.967 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065657.D

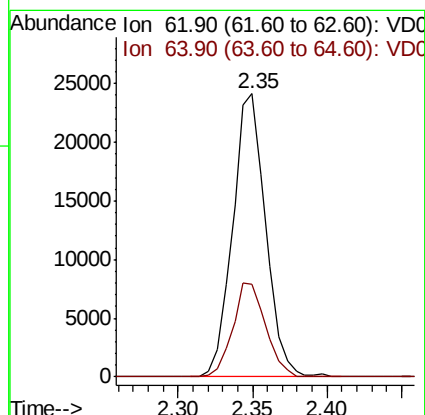
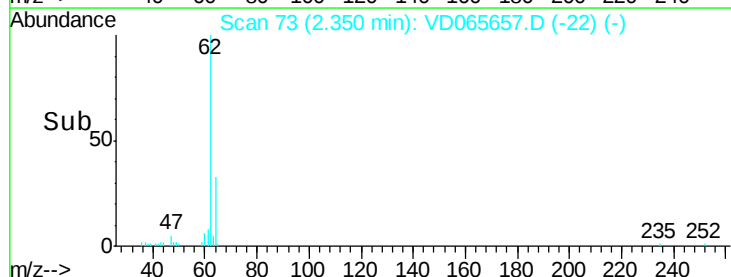
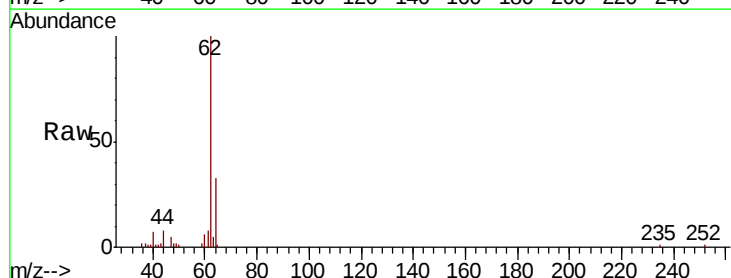
Acq: 17 Apr 2020 21:13

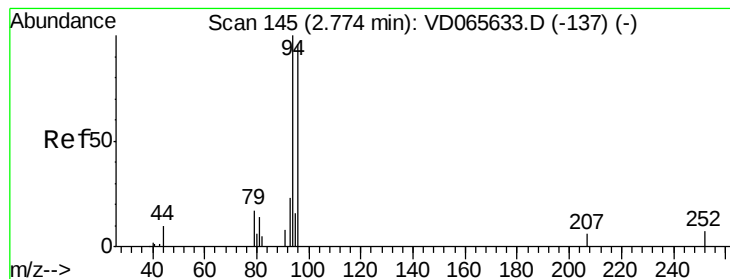
Tgt Ion: 62 Resp: 37147

Ion Ratio Lower Upper

62 100

64 32.8 25.1 37.7





#5

Bromomethane

Concen: 22.184 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

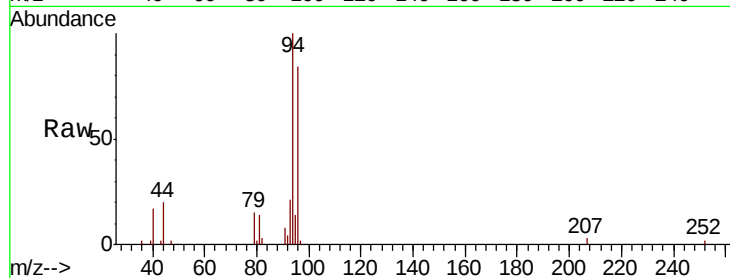
VD0417SBS01

Tot Ion: 94 Resp: 24911

Ion Ratio Lower Upper

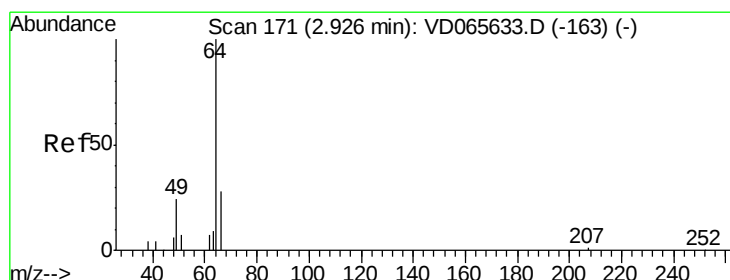
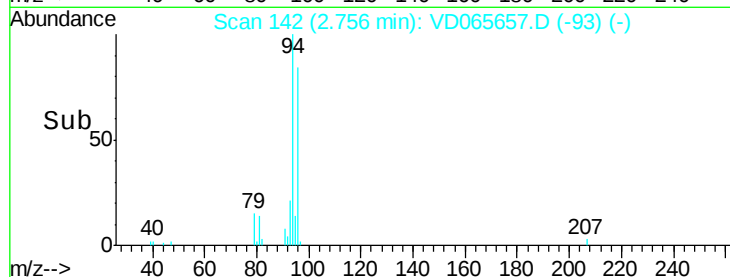
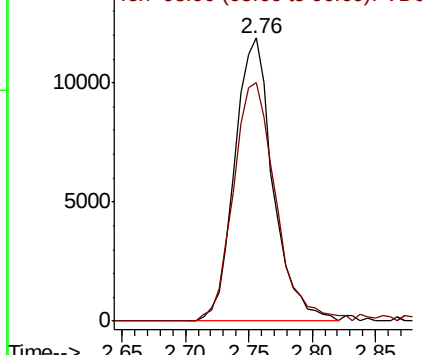
94 100

96 84.1 77.9 116.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.548 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065657.D

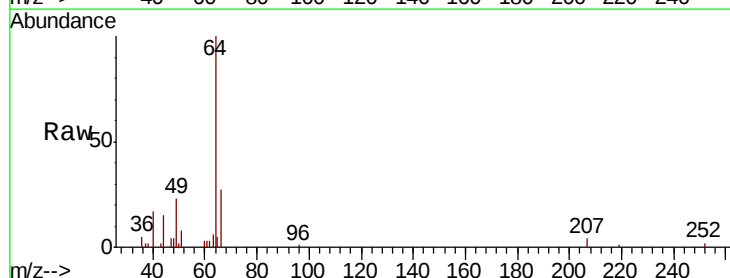
Acq: 17 Apr 2020 21:13

Tgt Ion: 64 Resp: 24027

Ion Ratio Lower Upper

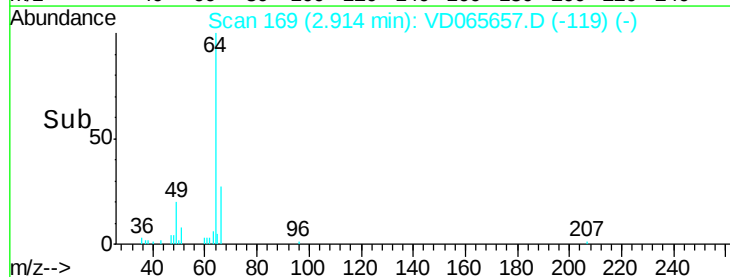
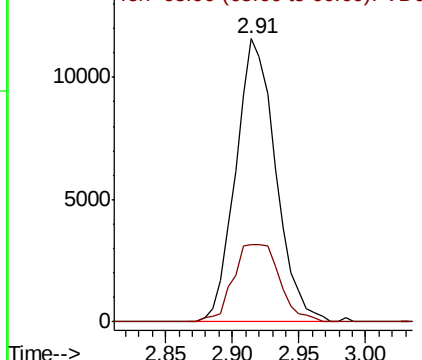
64 100

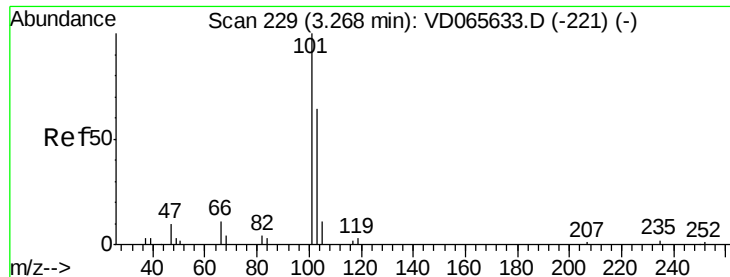
66 27.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



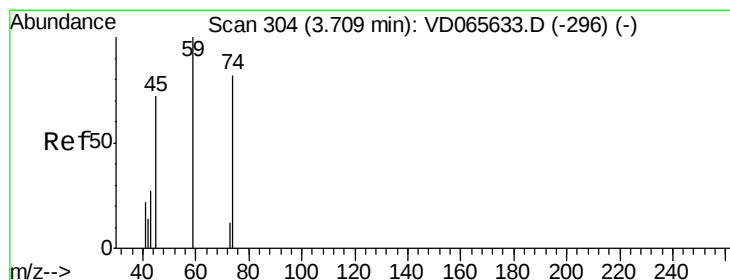
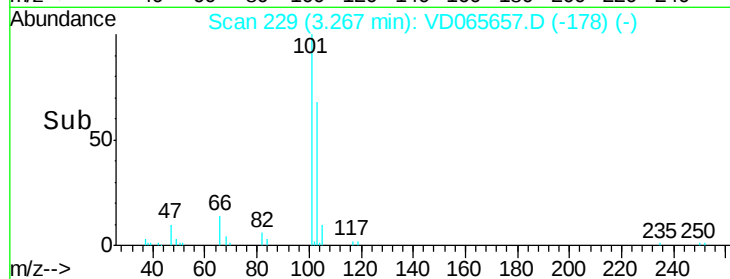
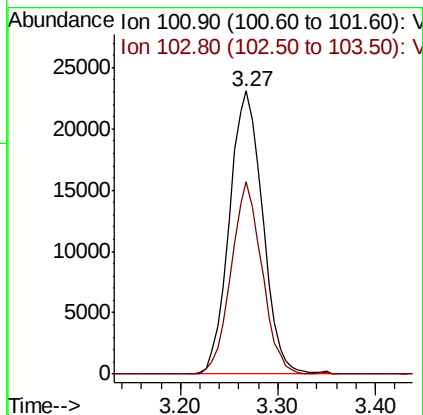
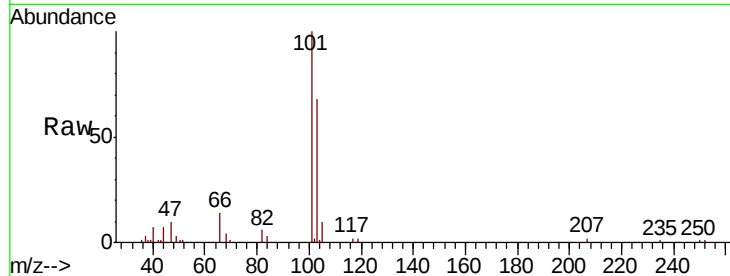


#7

Trichlorofluoromethane
 Concen: 18.631 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

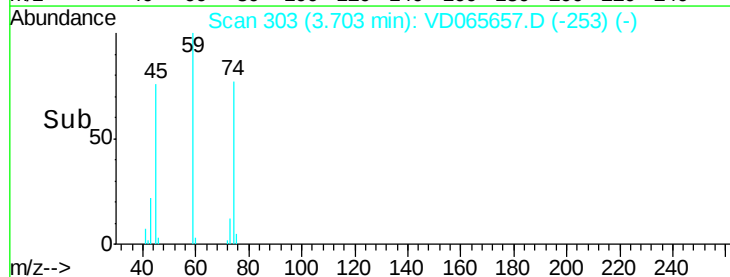
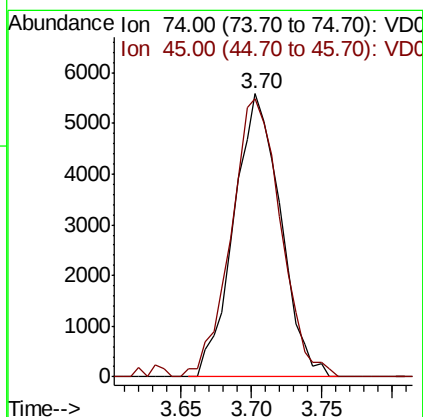
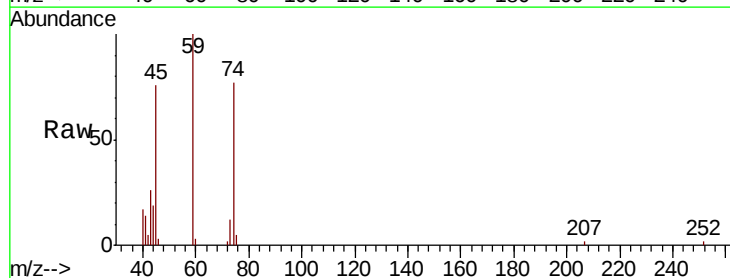
Tot Ion:101 Resp: 54915
 Ion Ratio Lower Upper
 101 100
 103 68.0 52.2 78.4

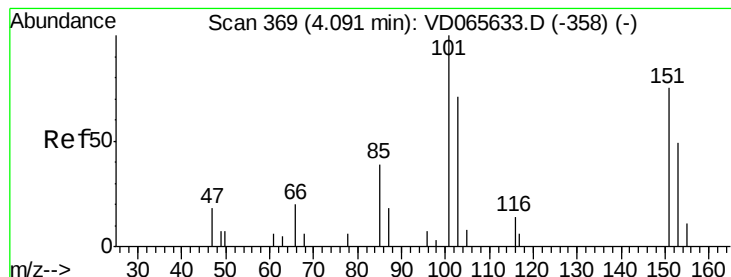


#8

Diethyl Ether
 Concen: 21.304 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion: 74 Resp: 12898
 Ion Ratio Lower Upper
 74 100
 45 104.7 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.117 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

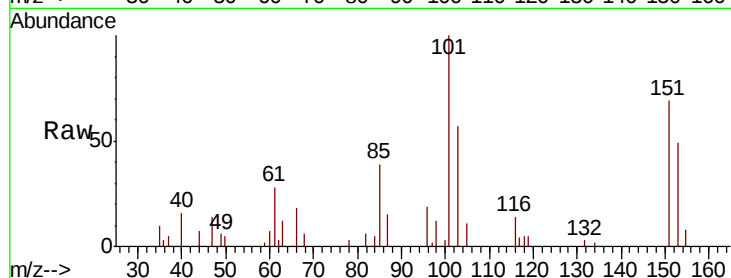
Tot Ion:101 Resp: 25687

Ion Ratio Lower Upper

101 100

85 44.7 36.2 54.2

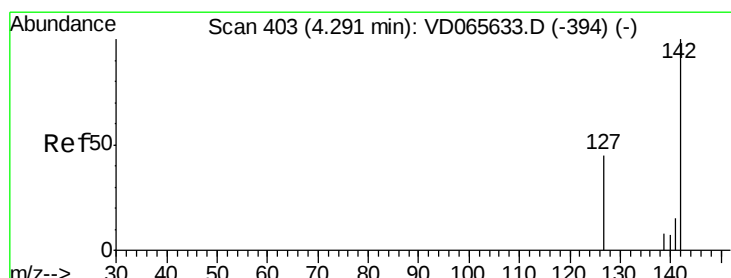
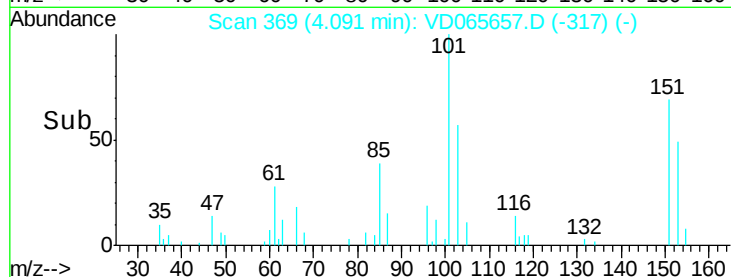
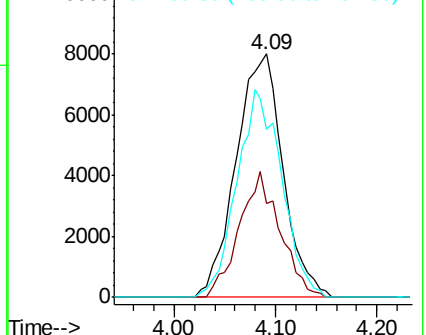
151 81.6 65.6 98.4



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: 15.502 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

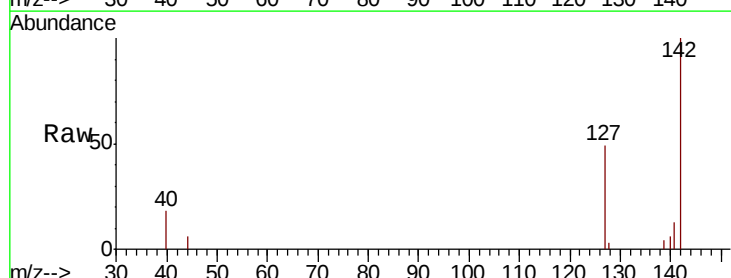
Tgt Ion:142 Resp: 21355

Ion Ratio Lower Upper

142 100

127 48.2 38.1 57.1

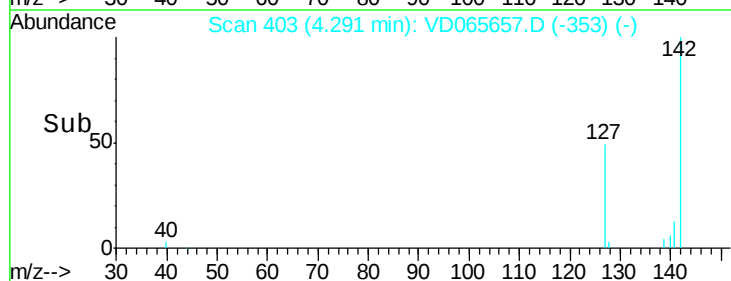
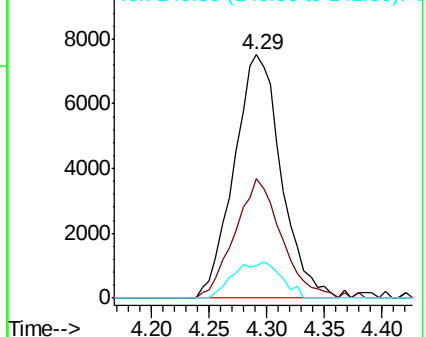
141 15.1 12.1 18.1

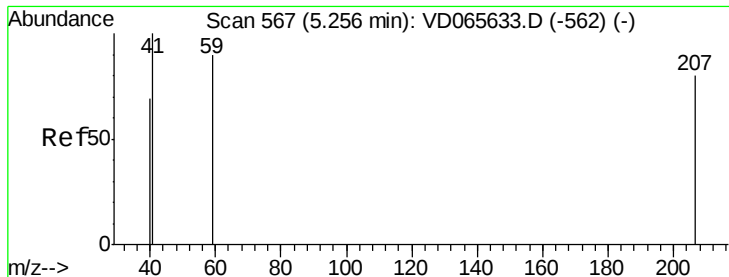


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

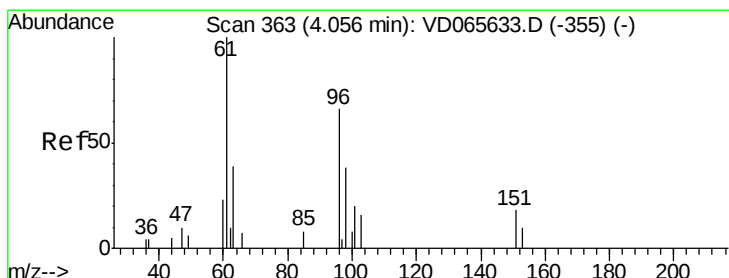
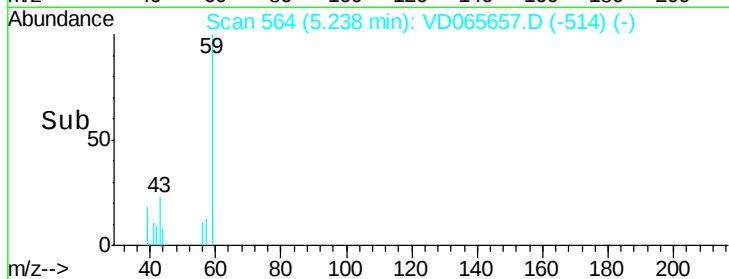
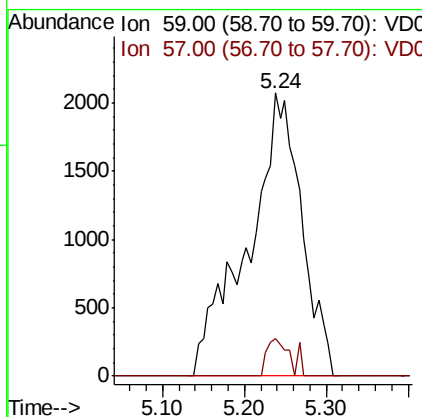
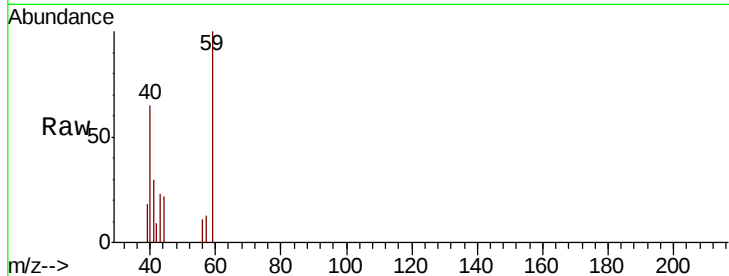




#11
Tert butyl alcohol
Concen: 107.770 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

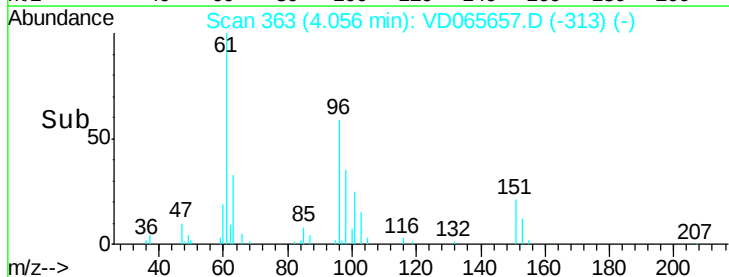
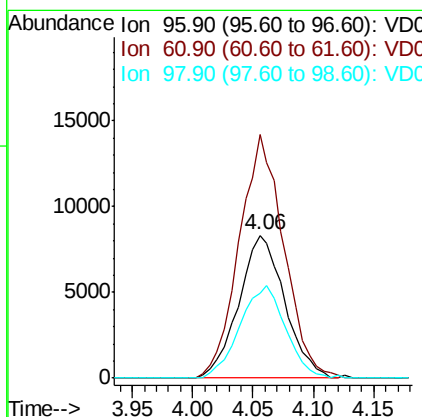
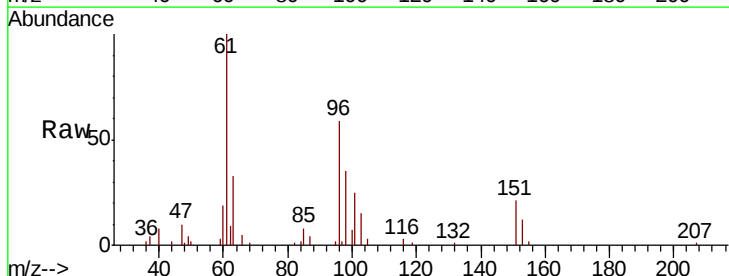
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

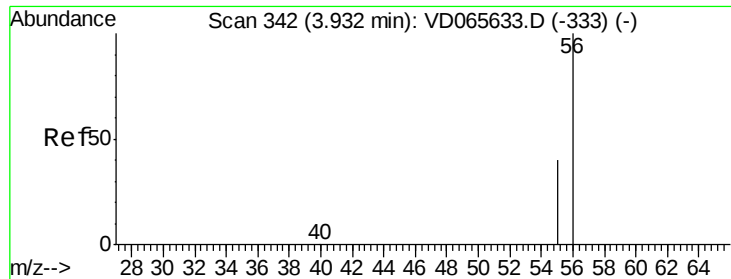
Tot Ion: 59 Resp: 9495
Ion Ratio Lower Upper
59 100
57 4.9 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 18.220 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion: 96 Resp: 22007
Ion Ratio Lower Upper
96 100
61 170.5 136.2 204.2
98 59.1 52.2 78.2





#13

Acrolein

Concen: 91.539 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

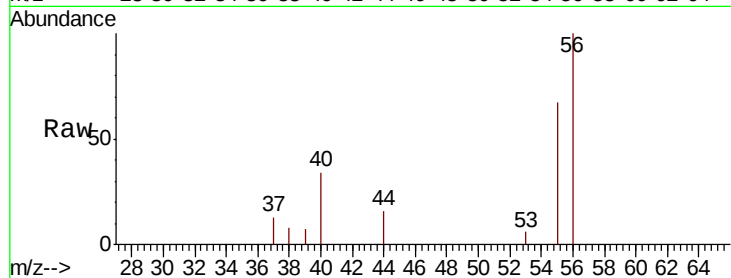
VD0417SBS01

Tot Ion: 56 Resp: 7217

Ion Ratio Lower Upper

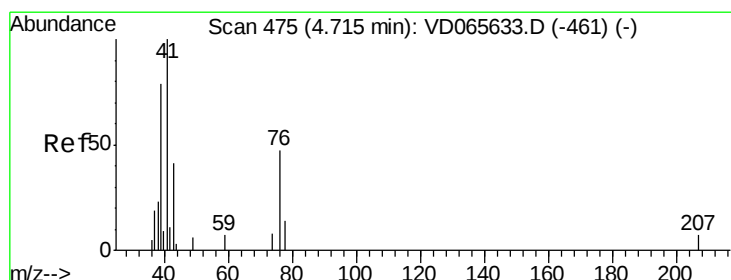
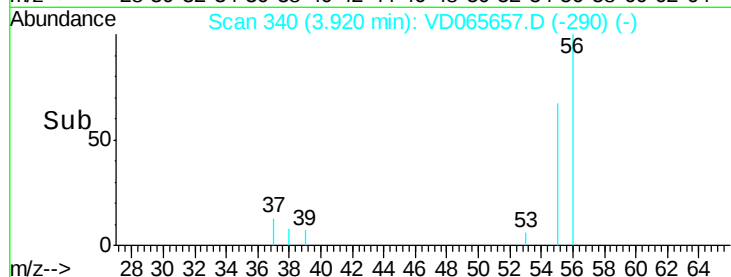
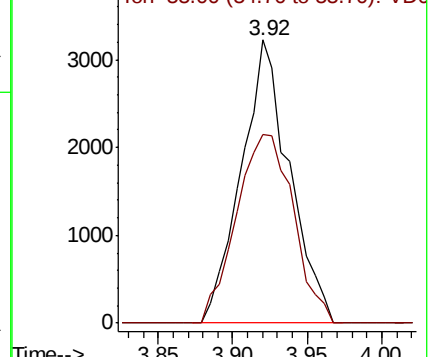
56 100

55 78.8 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.659 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

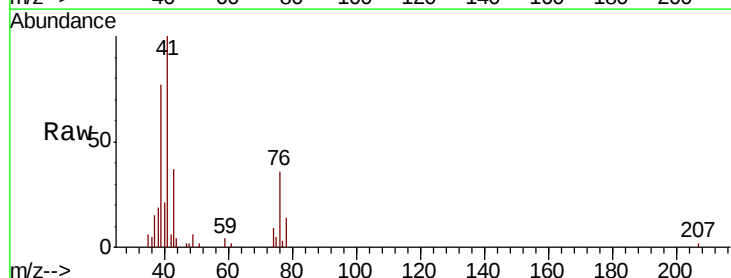
Tgt Ion: 41 Resp: 34555

Ion Ratio Lower Upper

41 100

39 76.6 62.5 93.7

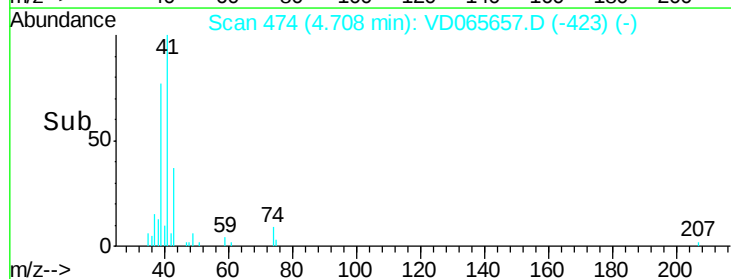
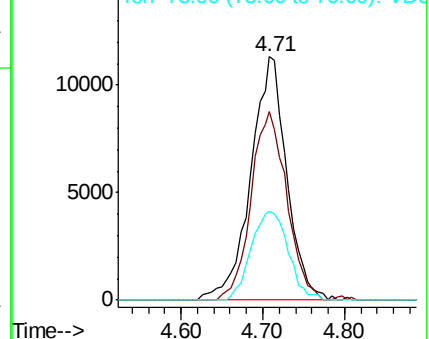
76 37.7 29.1 43.7

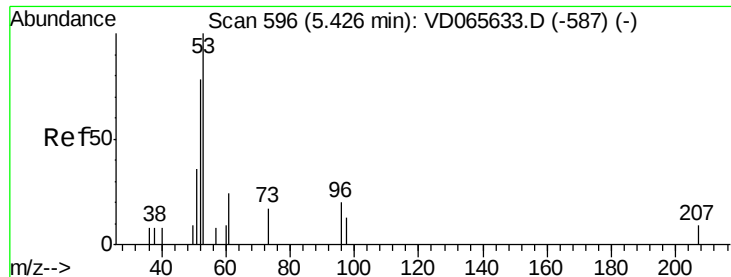


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 74.761 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

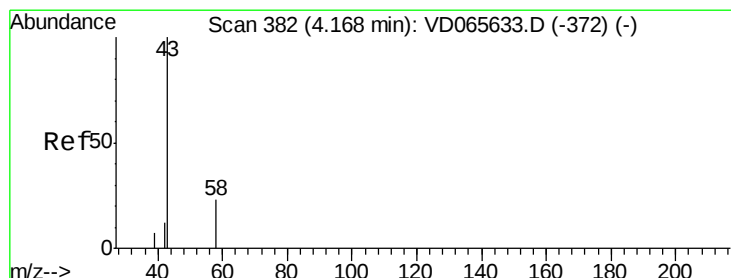
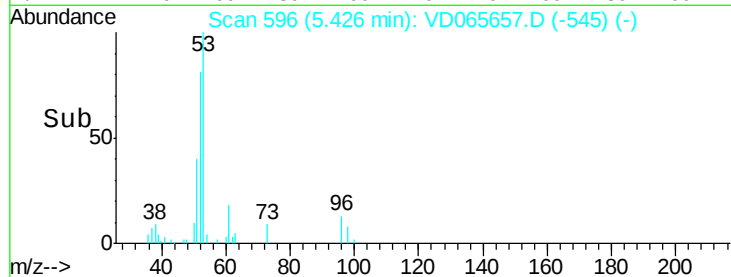
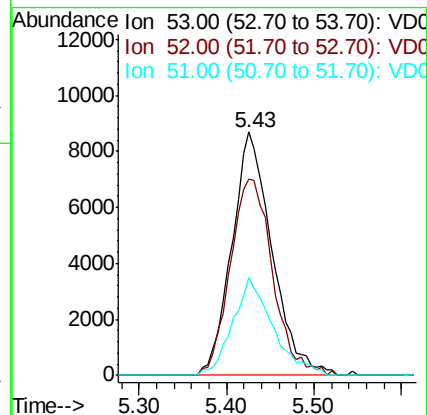
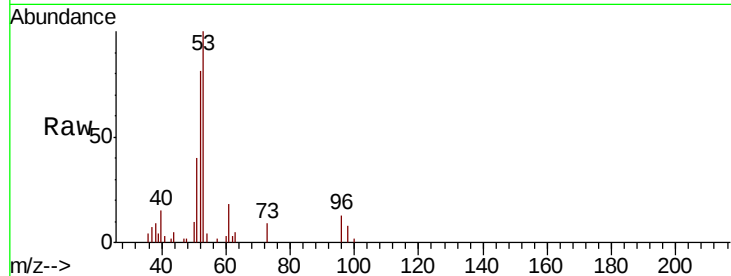
Tot Ion: 53 Resp: 27257

Ion Ratio Lower Upper

53 100

52 85.0 65.8 98.6

51 40.0 30.9 46.3



#16

Acetone

Concen: 95.042 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065657.D

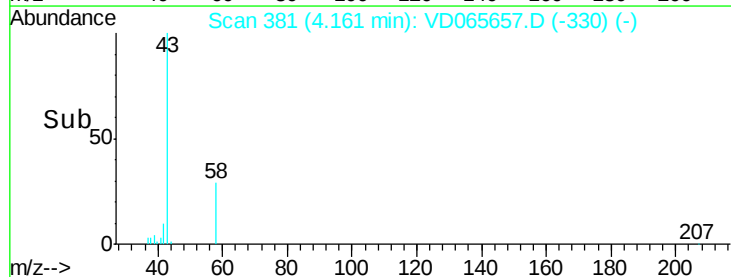
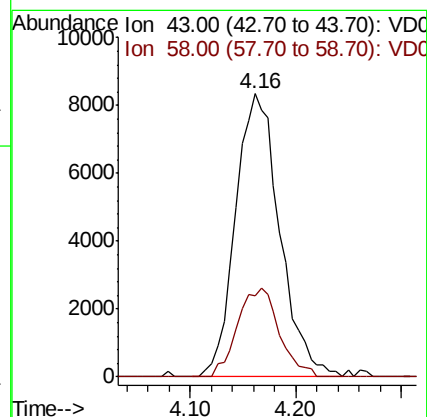
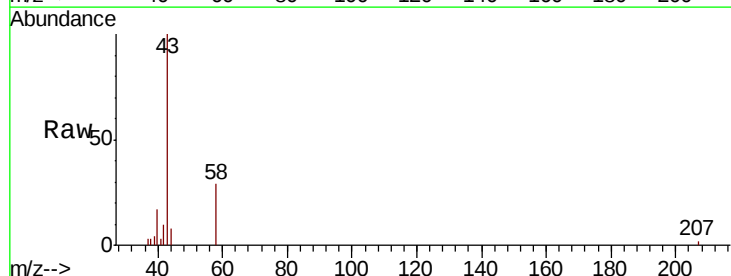
Acq: 17 Apr 2020 21:13

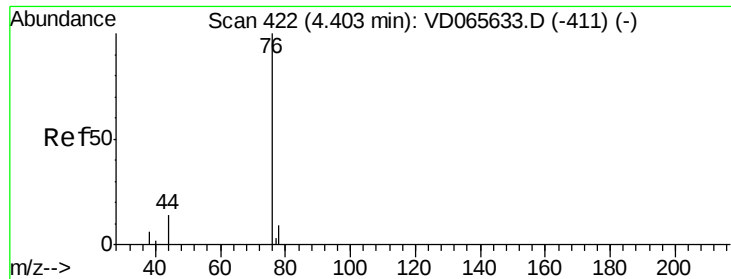
Tgt Ion: 43 Resp: 24214

Ion Ratio Lower Upper

43 100

58 28.8 22.9 34.3

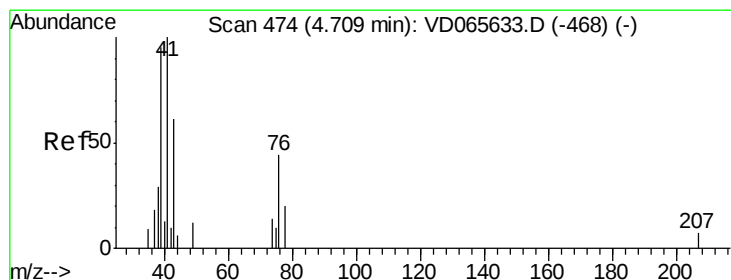
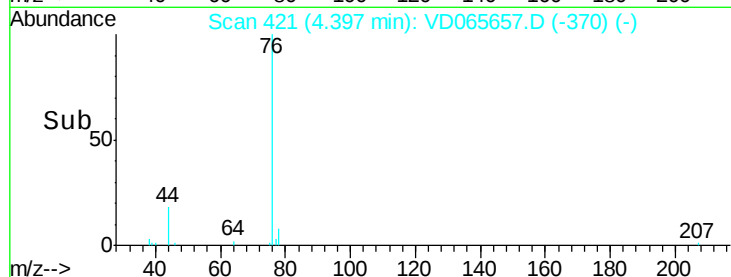
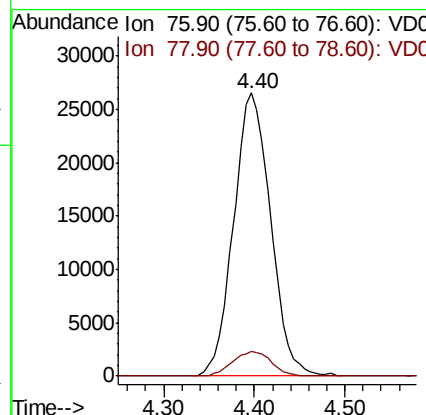
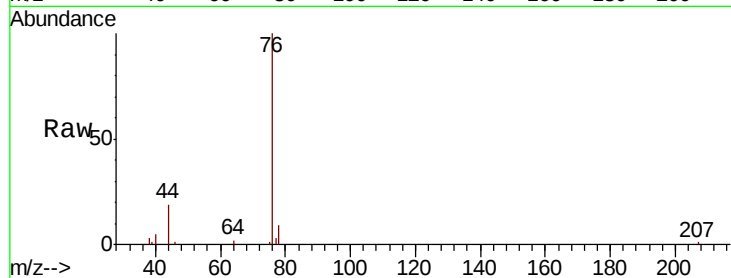




#17
Carbon Disulfide
Concen: 18.441 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

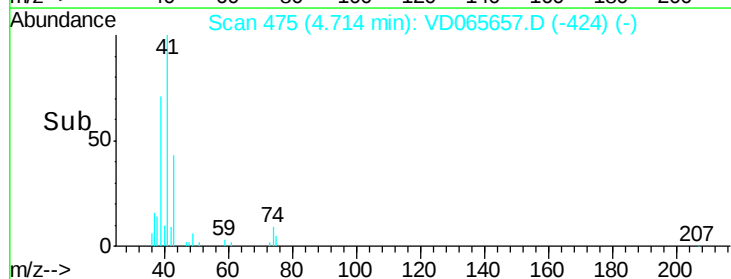
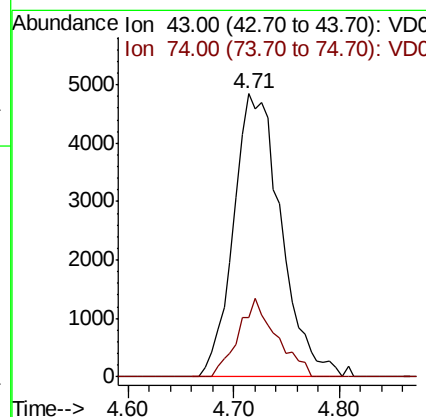
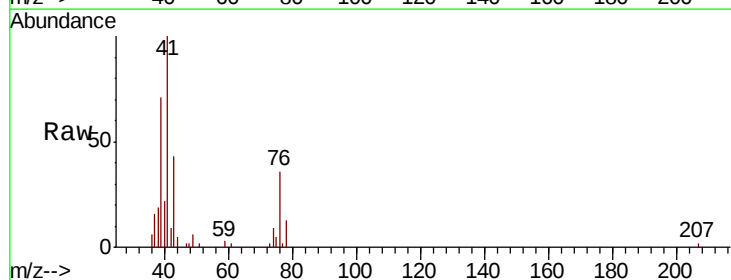
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

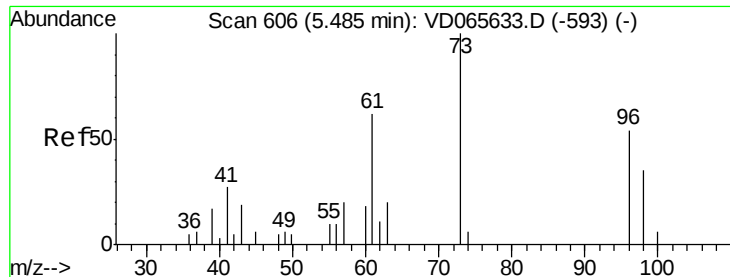
Tot Ion: 76 Resp: 75153
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 20.542 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion: 43 Resp: 15071
Ion Ratio Lower Upper
43 100
74 22.4 18.6 28.0



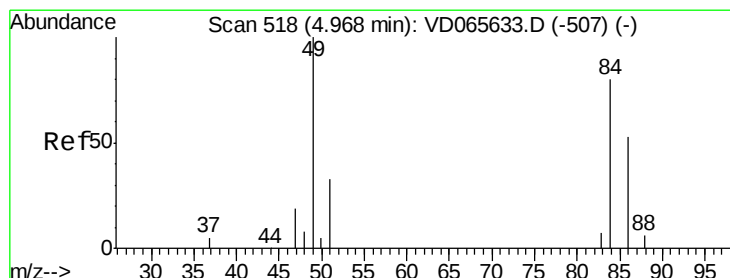
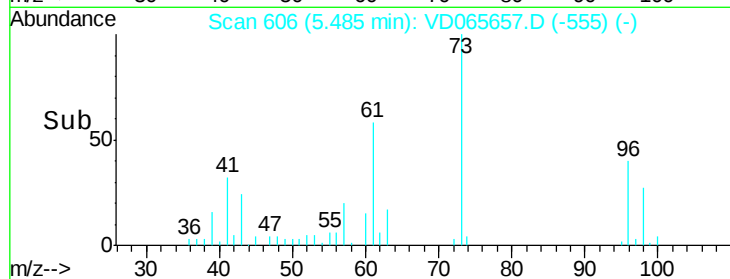
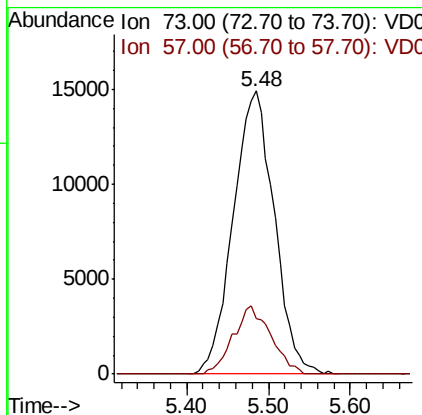
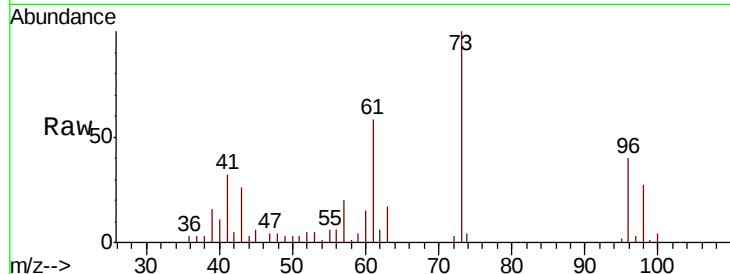


#19

Methyl tert-butyl Ether
 Concen: 15.209 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

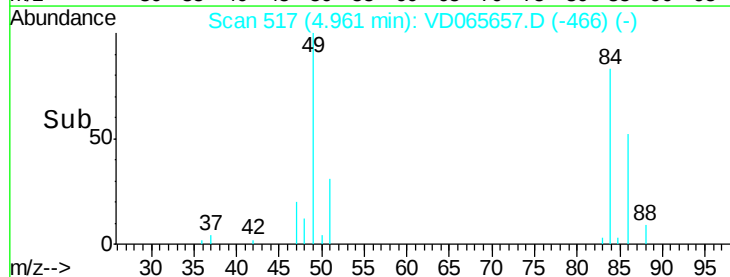
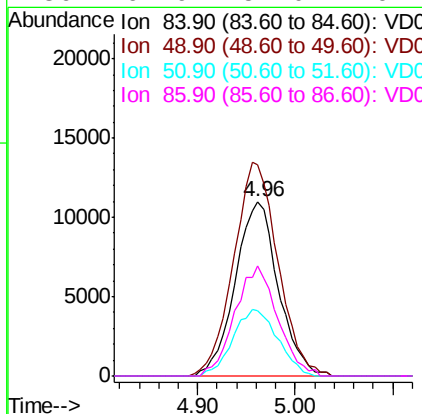
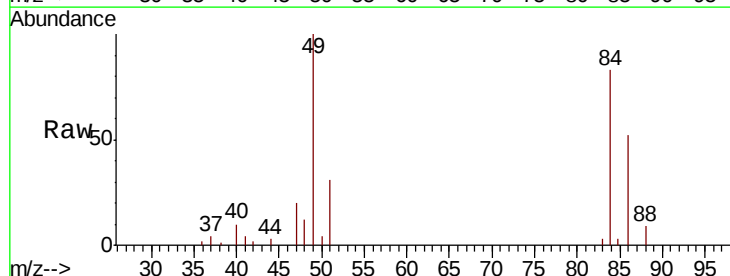
Tot Ion: 73 Resp: 52018
 Ion Ratio Lower Upper
 73 100
 57 19.9 17.8 26.8

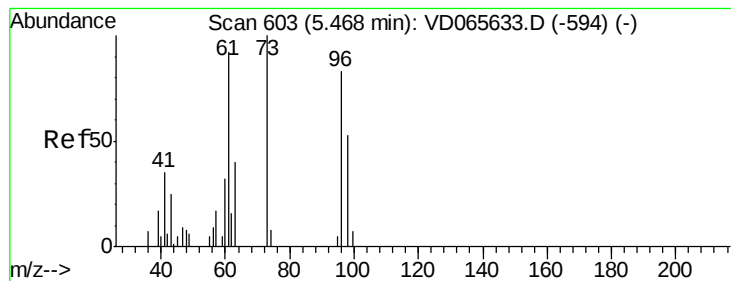


#20

Methylene Chloride
 Concen: 20.877 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion: 84 Resp: 33916
 Ion Ratio Lower Upper
 84 100
 49 120.9 102.0 153.0
 51 37.2 30.8 46.2
 86 62.9 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 14.013 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBSD01

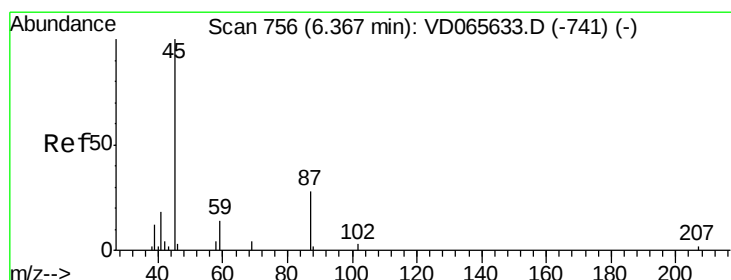
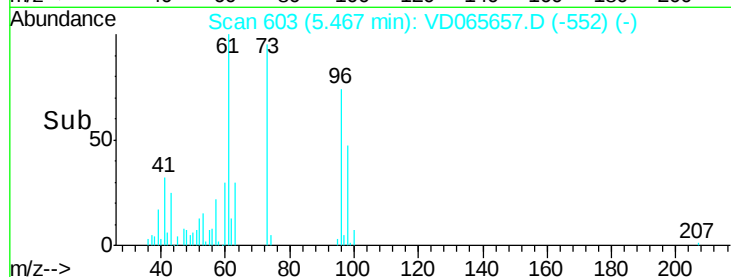
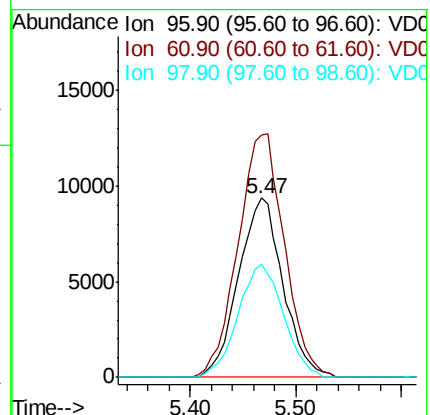
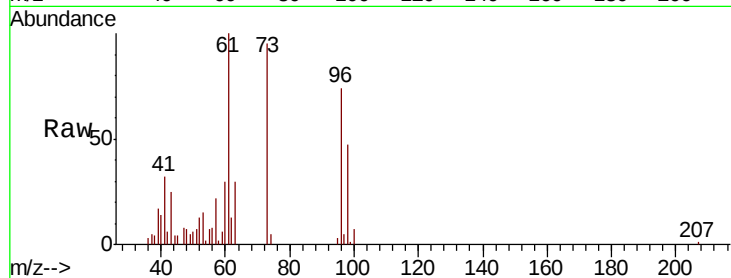
Tot Ion: 96 Resp: 27349

Ion Ratio Lower Upper

96 100

61 135.4 102.6 153.8

98 63.1 49.4 74.0



#22

Diisopropyl ether

Concen: 20.539 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Tgt Ion: 45 Resp: 114494

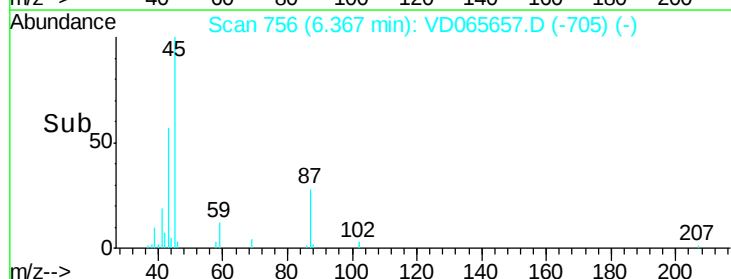
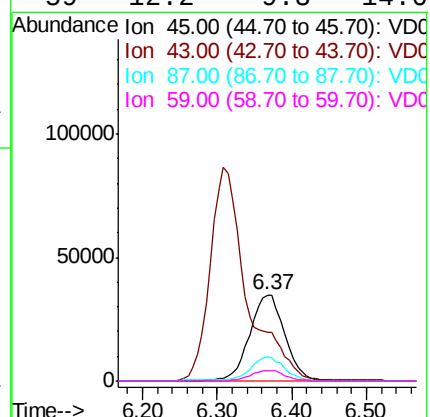
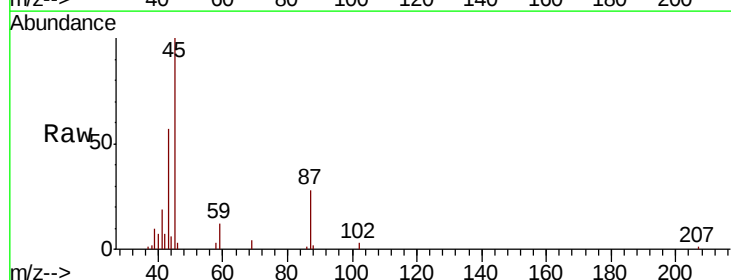
Ion Ratio Lower Upper

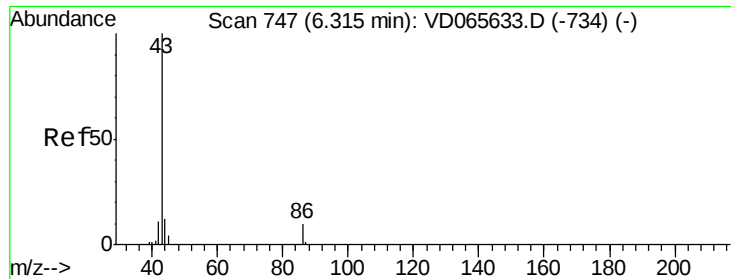
45 100

43 56.1 42.2 63.2

87 27.7 22.1 33.1

59 12.2 9.8 14.6





#23

Vinyl Acetate

Concen: 98.216 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

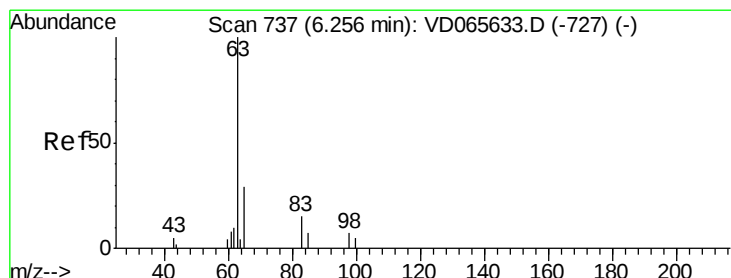
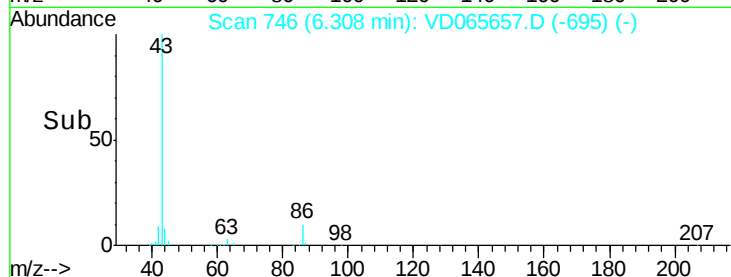
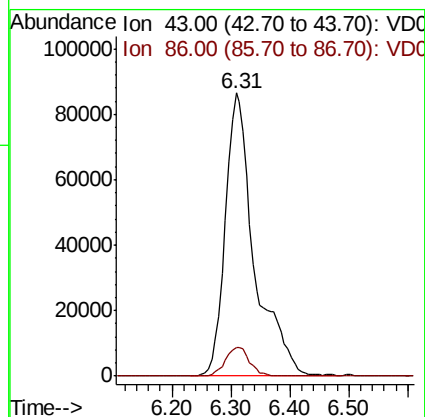
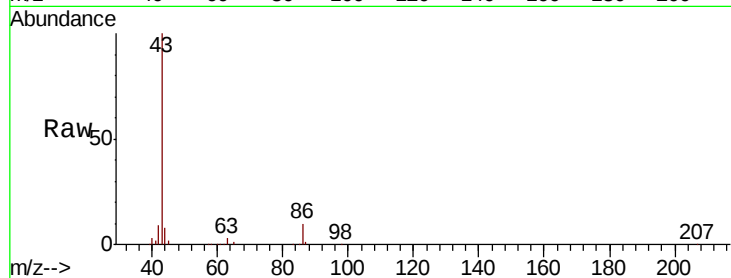
VD0417SBS01

Tot Ion: 43 Resp: 297055

Ion Ratio Lower Upper

43 100

86 10.2 8.7 13.1



#24

1,1-Dichloroethane

Concen: 19.062 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

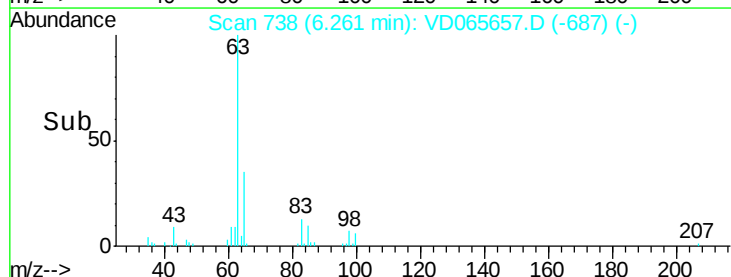
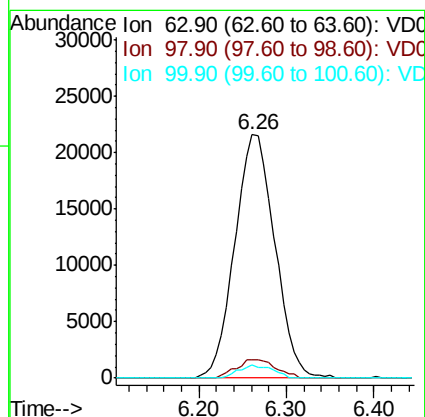
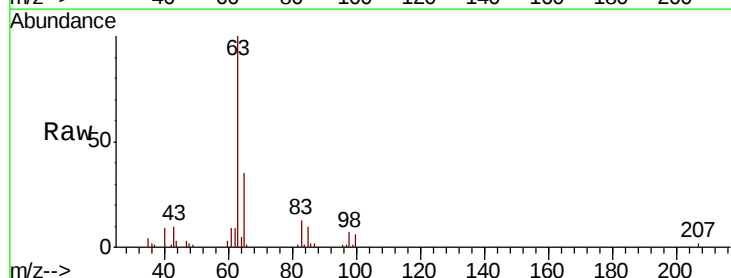
Tgt Ion: 63 Resp: 67135

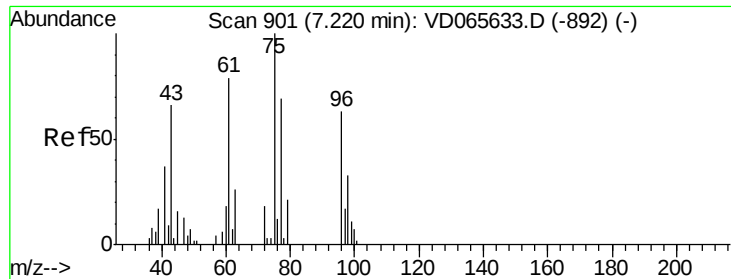
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 5.5 2.4 7.2





#25

2-Butanone

Concen: 100.897 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

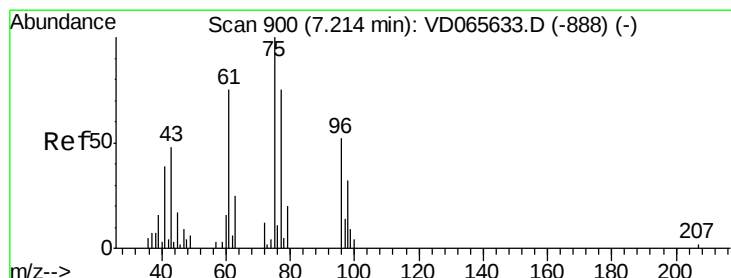
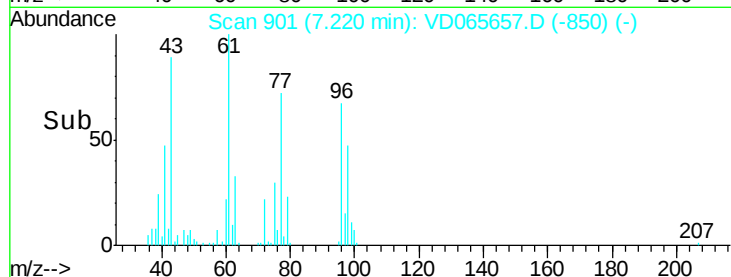
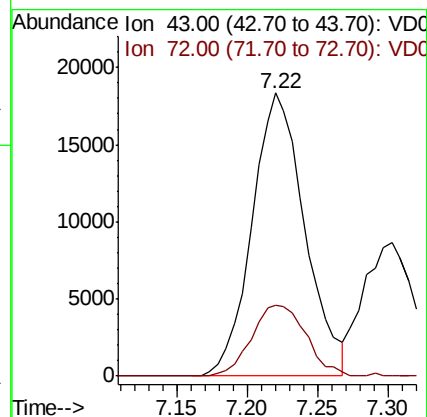
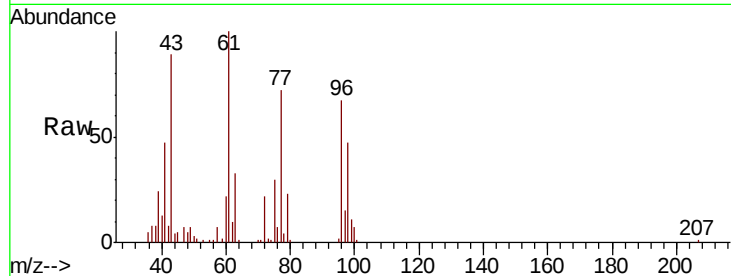
VD0417SBS01

Tot Ion: 43 Resp: 47963

Ion Ratio Lower Upper

43 100

72 25.3 20.5 30.7



#26

2,2-Dichloropropane

Concen: 17.284 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065657.D

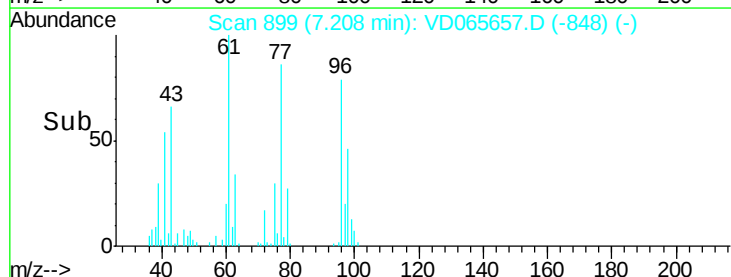
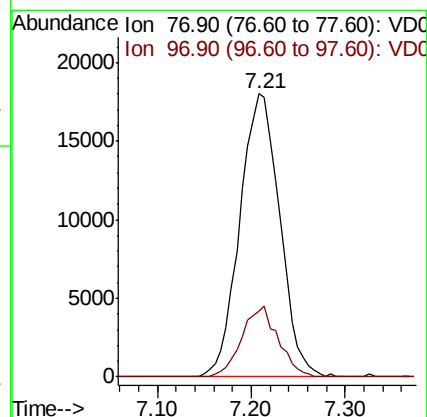
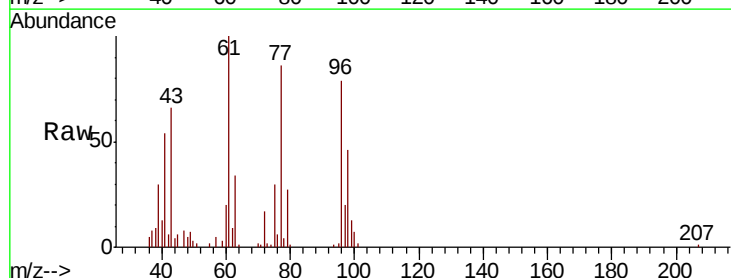
Acq: 17 Apr 2020 21:13

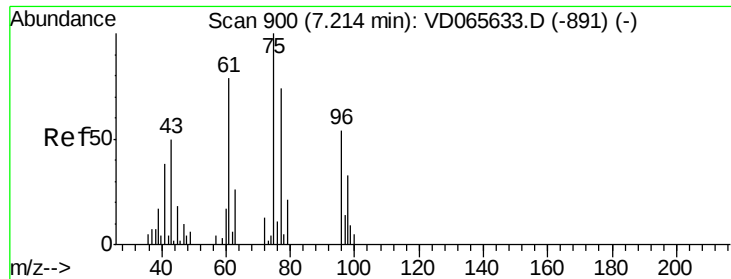
Tgt Ion: 77 Resp: 53056

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.5



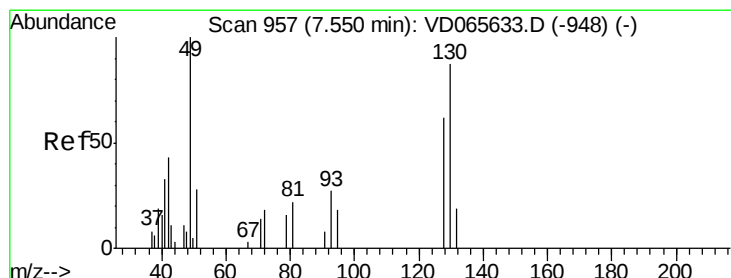
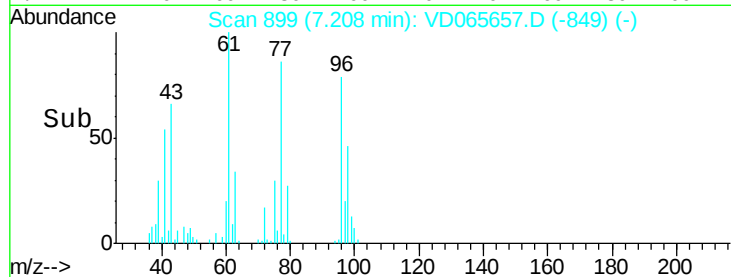
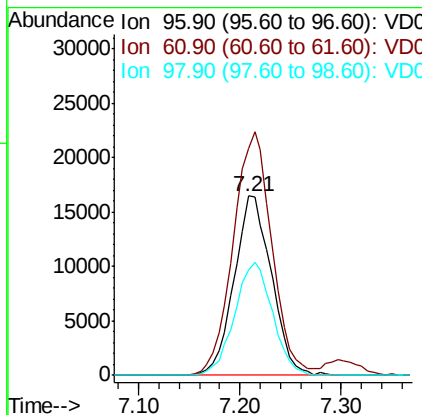
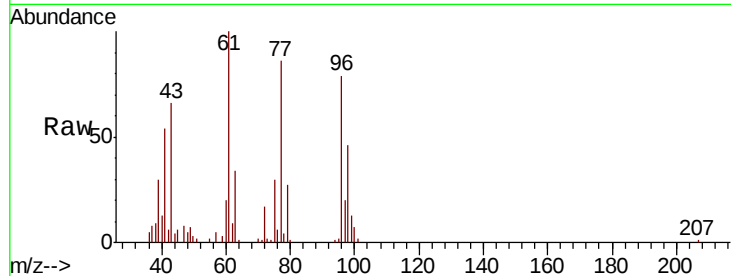


#27

cis-1,2-Dichloroethene
Concen: 19.402 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

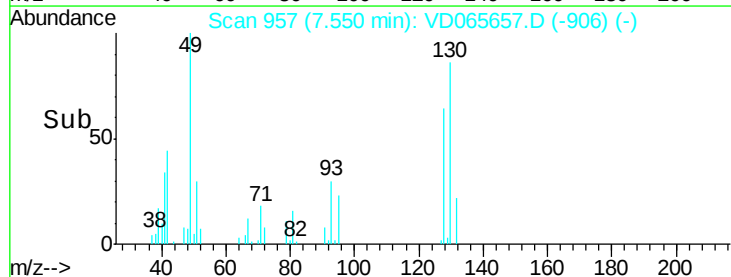
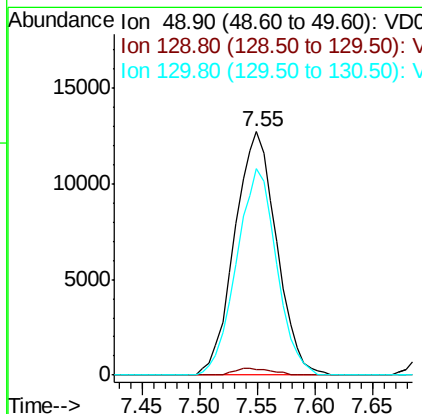
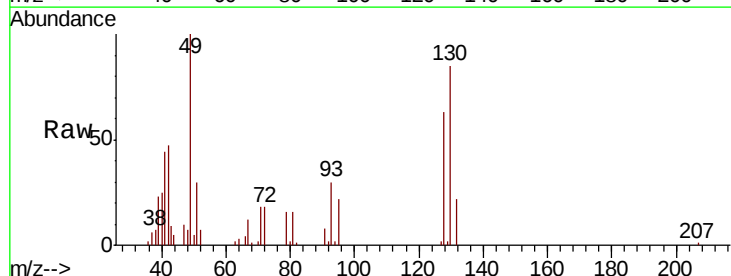
Tot Ion: 96 Resp: 42009
Ion Ratio Lower Upper
96 100
61 141.7 0.0 286.2
98 63.8 0.0 128.0

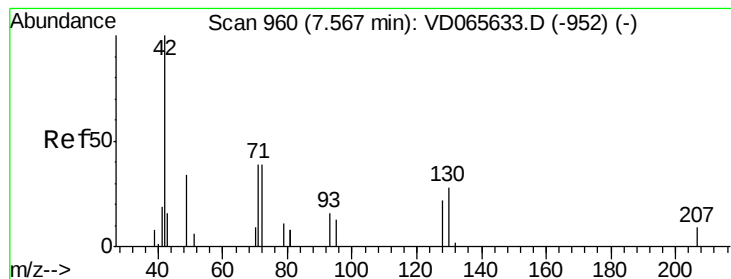


#28

Bromochloromethane
Concen: 22.876 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion: 49 Resp: 32177
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.2
130 81.1 66.2 99.2





#29

Tetrahydrofuran

Concen: 105.609 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

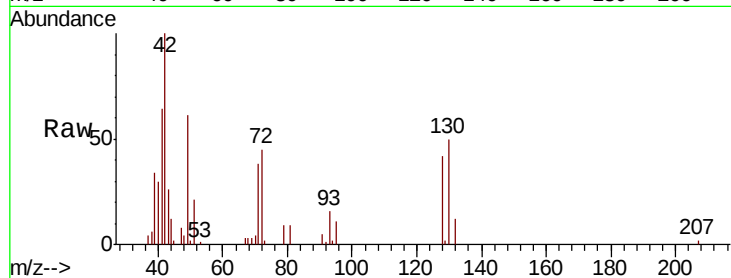
Tot Ion: 42 Resp: 31854

Ion Ratio Lower Upper

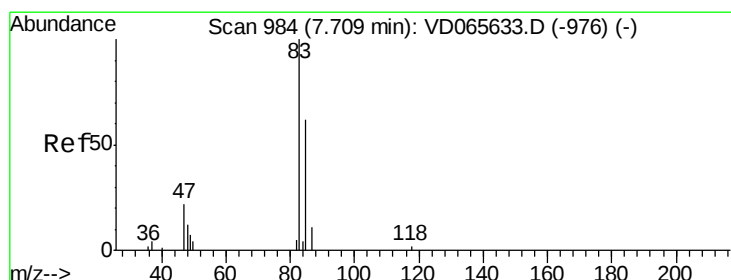
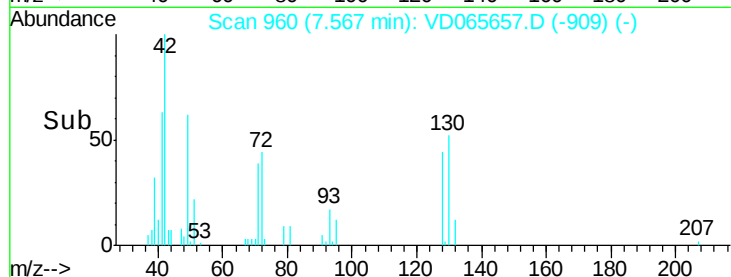
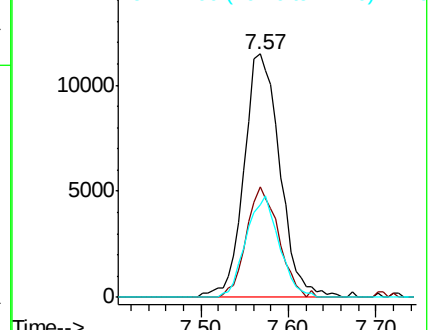
42 100

72 40.8 34.4 51.6

71 38.3 31.4 47.0



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: 20.540 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065657.D

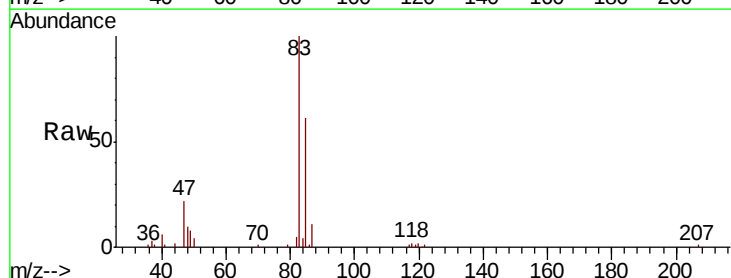
Acq: 17 Apr 2020 21:13

Tgt Ion: 83 Resp: 74038

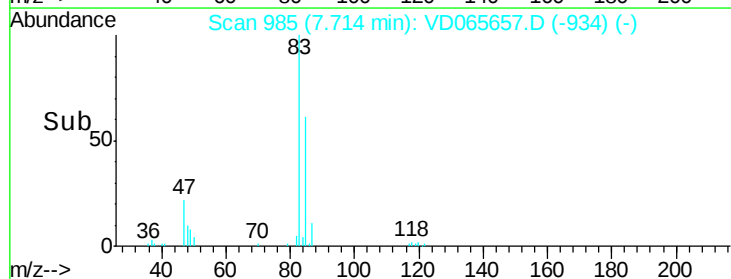
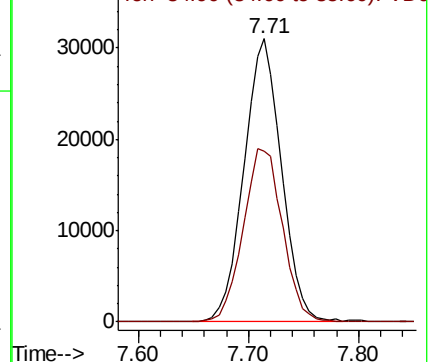
Ion Ratio Lower Upper

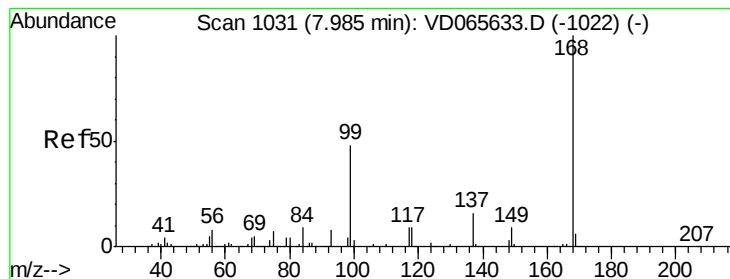
83 100

85 60.5 52.6 78.8



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





#31

Cyclohexane

Concen: 17.644 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

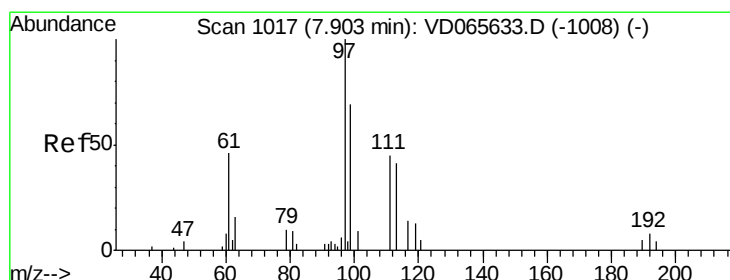
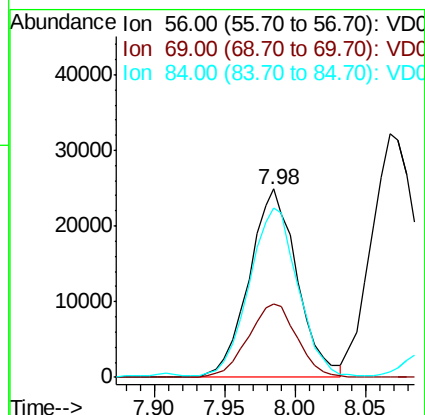
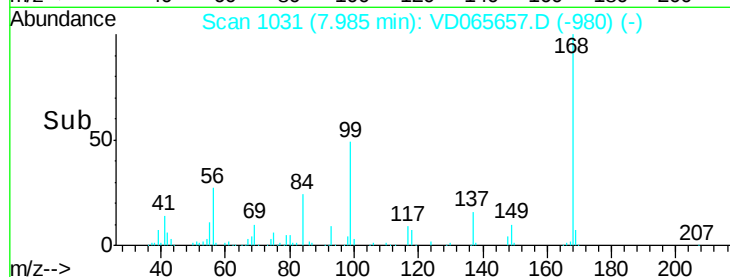
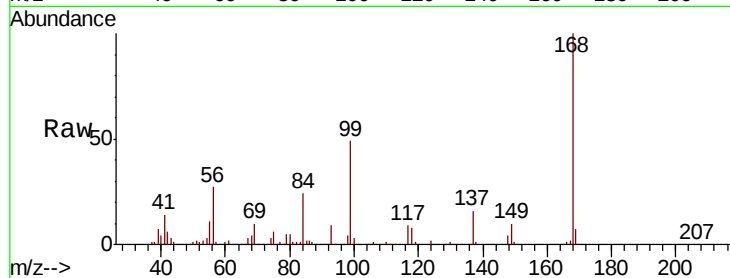
Tot Ion: 56 Resp: 59194

Ion Ratio Lower Upper

56 100

69 39.1 26.6 40.0

84 89.3 75.3 112.9



#32

1,1,1-Trichloroethane

Concen: 19.171 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

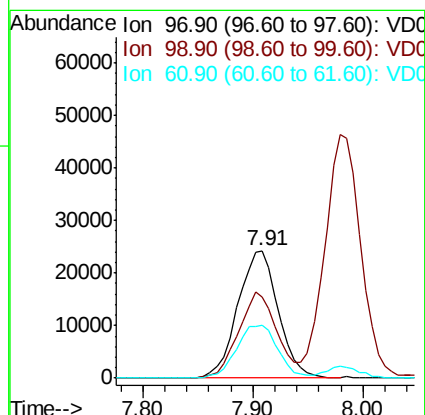
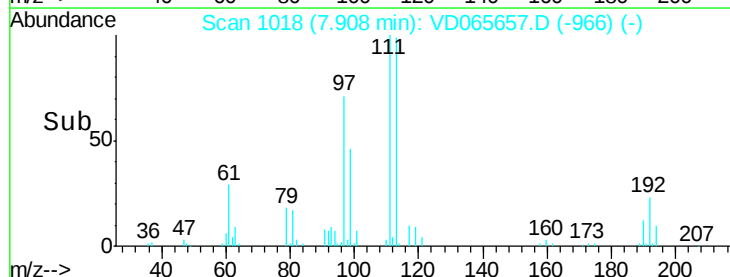
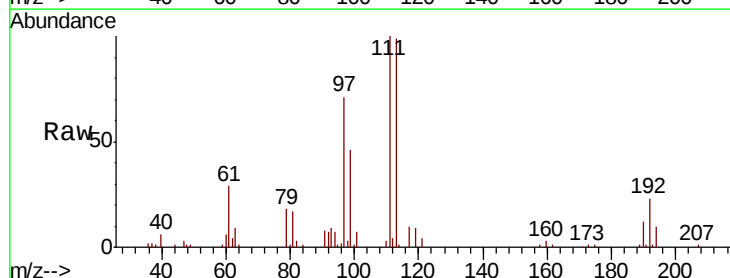
Tgt Ion: 97 Resp: 62132

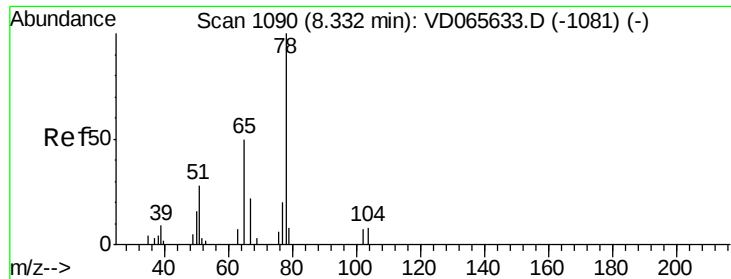
Ion Ratio Lower Upper

97 100

99 63.5 51.5 77.3

61 42.7 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 52.648 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

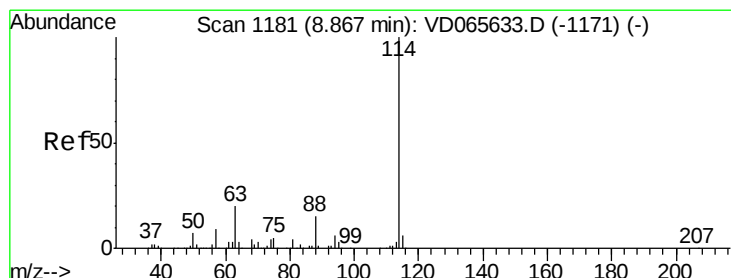
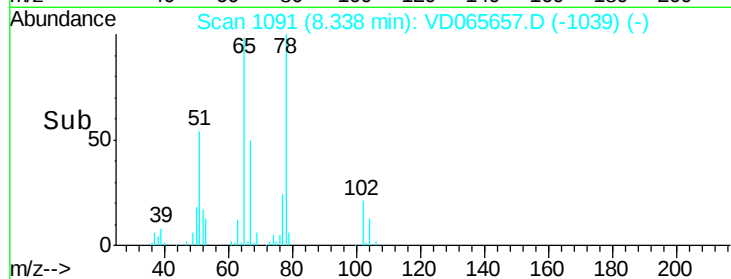
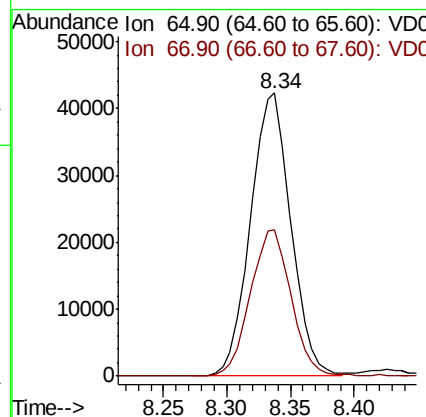
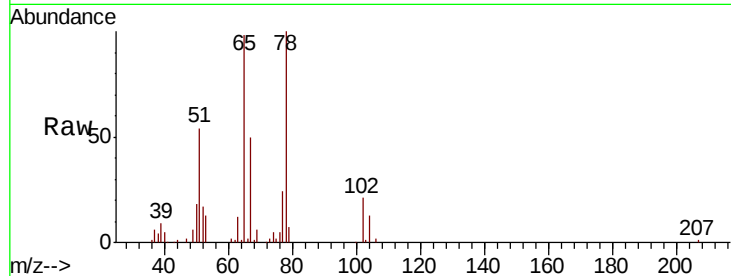
VD0417SBS01

Tot Ion: 65 Resp: 93789

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

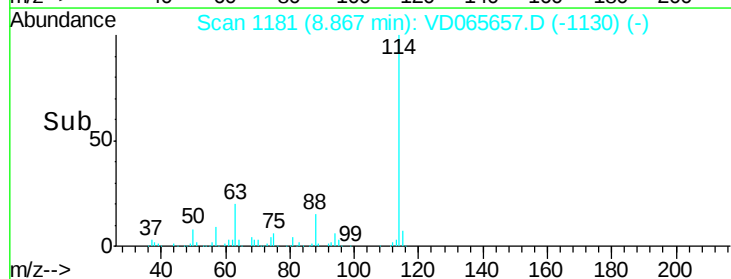
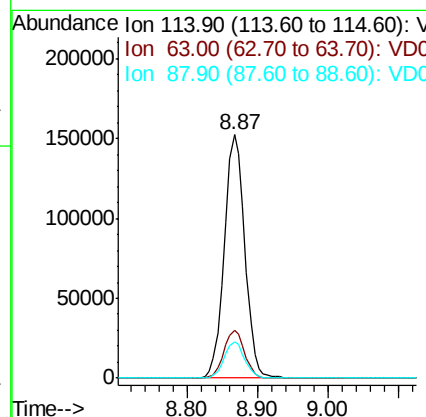
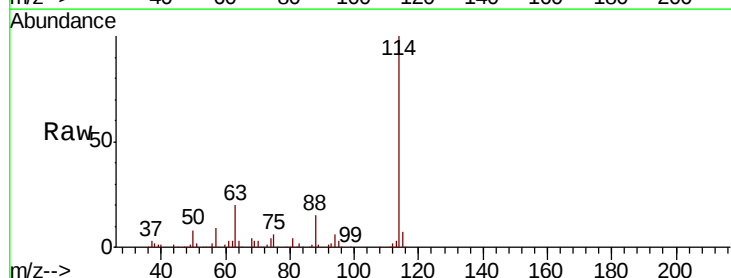
Tgt Ion: 114 Resp: 307779

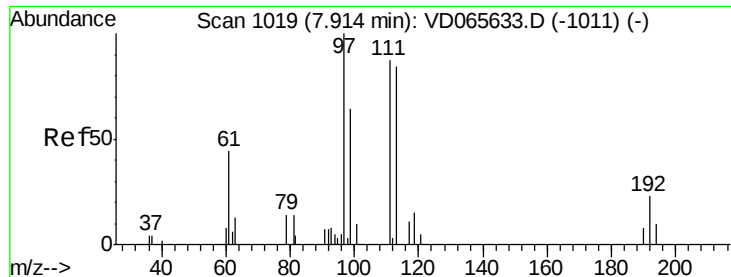
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.8 0.0 31.6

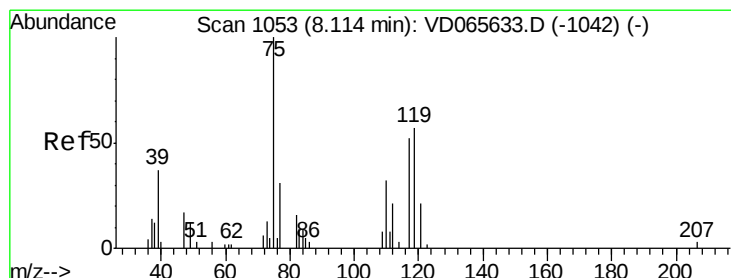
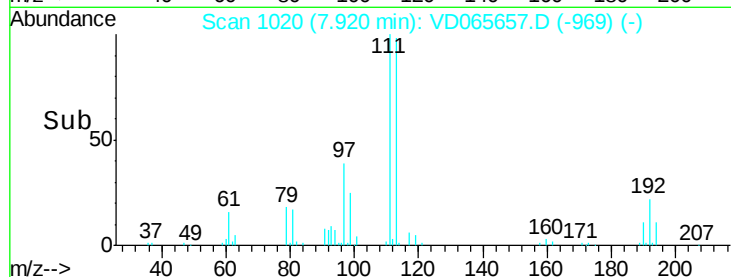
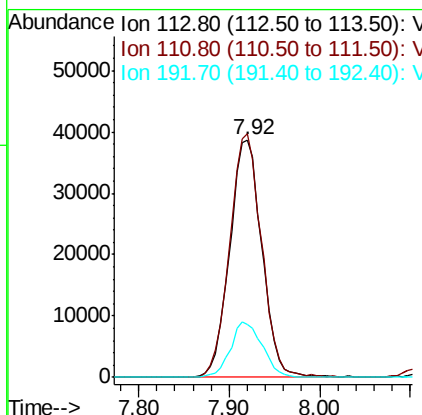
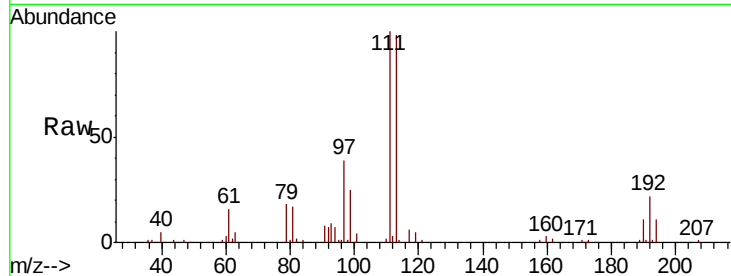




#35
 Dibromofluoromethane
 Concen: 49.870 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

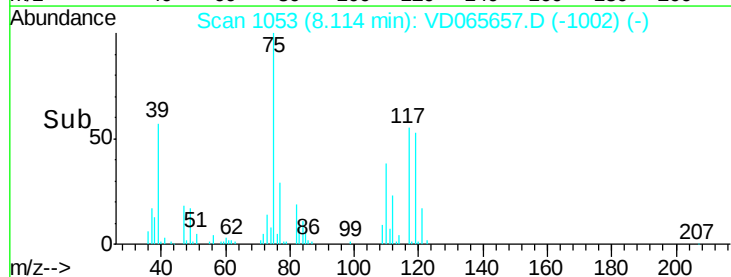
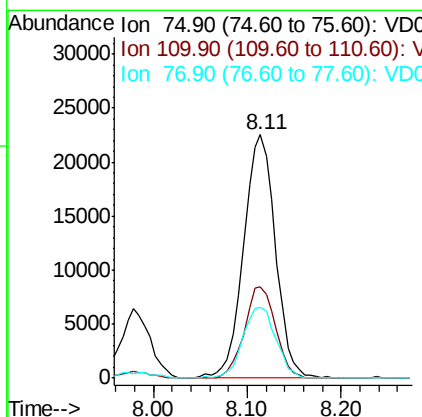
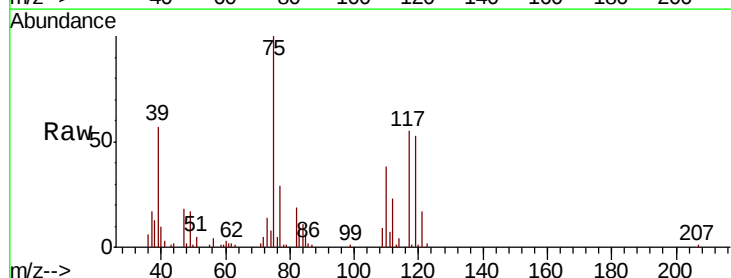
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

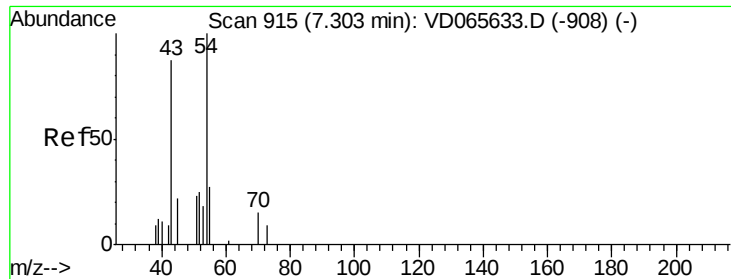
Tot Ion:113 Resp: 95528
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 23.0 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 17.769 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion: 75 Resp: 52808
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.3 54.8
 77 30.5 24.6 37.0

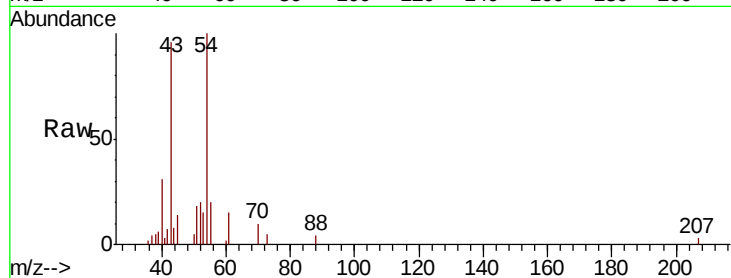




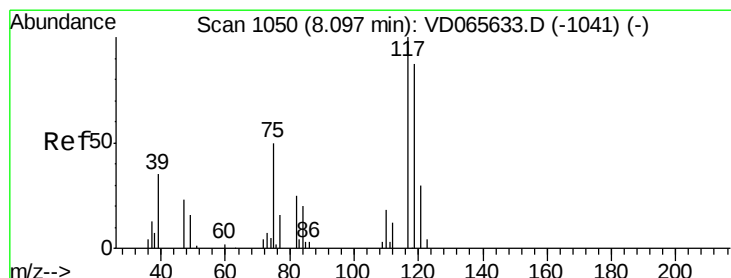
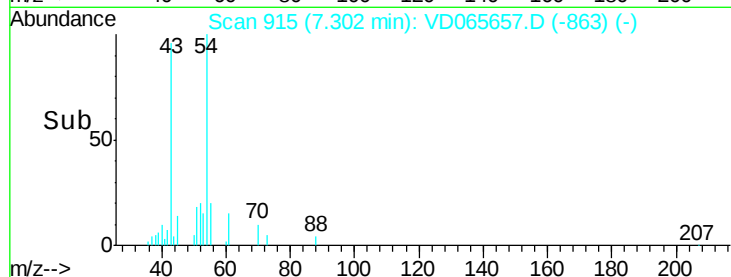
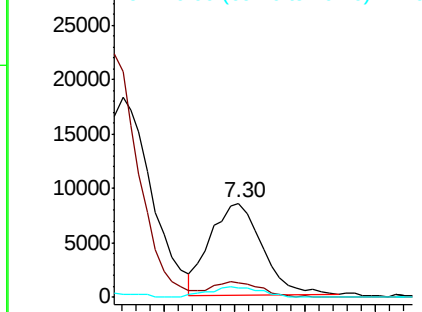
#37
Ethyl Acetate
Concen: 18.239 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 43 Resp: 21616
Ion Ratio Lower Upper
43 100
61 14.9 10.9 16.3
70 11.1 7.9 11.9

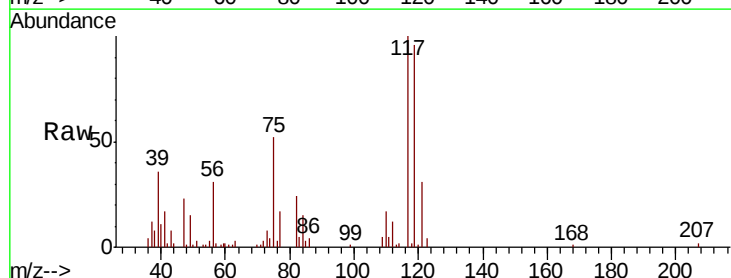


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

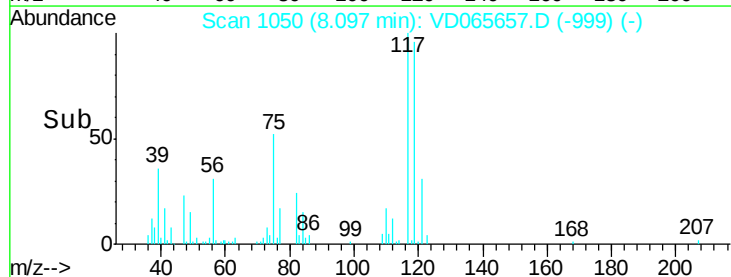
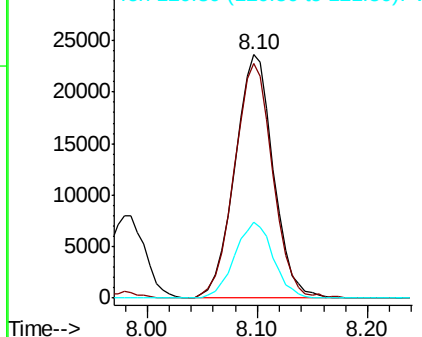


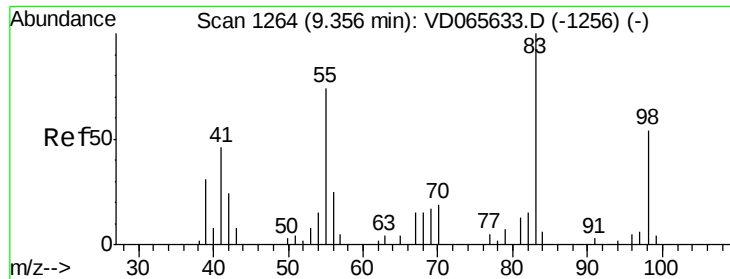
#38
Carbon Tetrachloride
Concen: 18.119 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion: 117 Resp: 57680
Ion Ratio Lower Upper
117 100
119 96.4 75.3 112.9
121 31.0 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 118.80 (118.50 to 119.50): VDC
Ion 120.80 (120.50 to 121.50): VDC

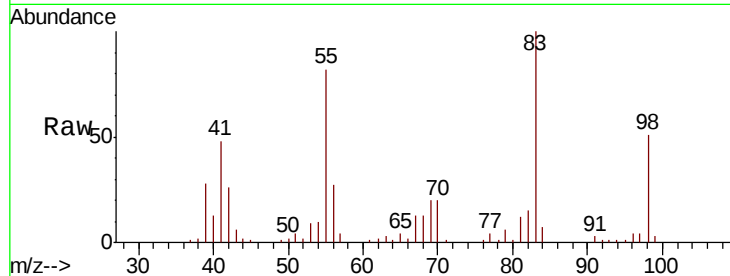




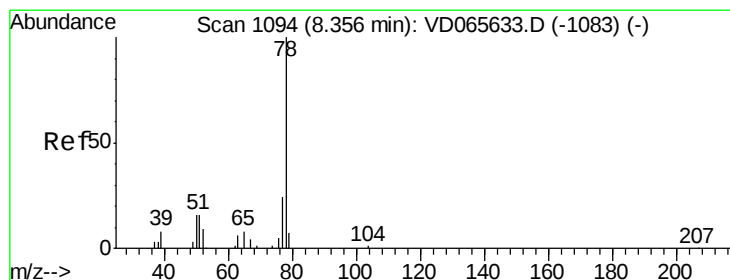
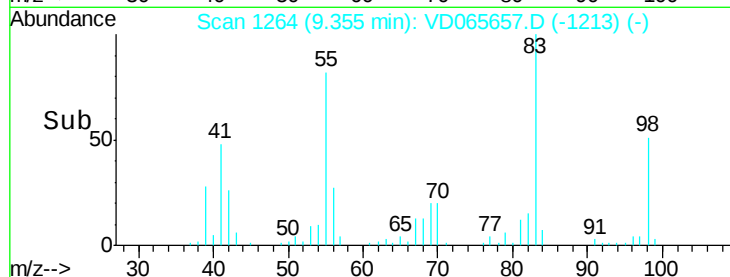
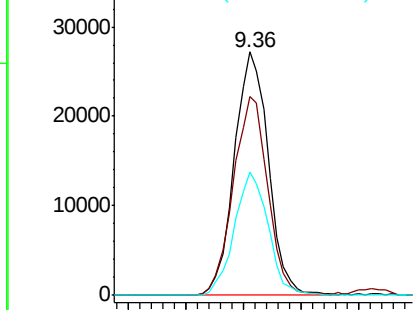
#39
Methvlcvclohexane
Concen: 16.136 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion: 83 Resp: 55803
Ion Ratio Lower Upper
83 100
55 81.9 62.3 93.5
98 50.5 40.5 60.7

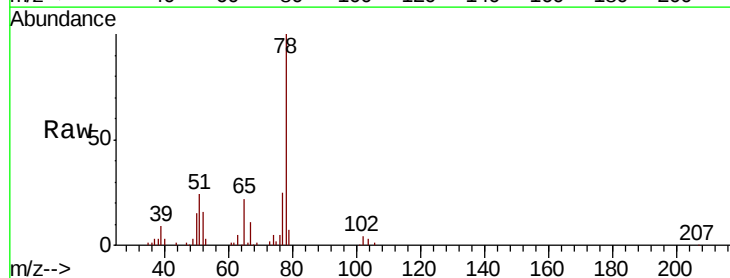


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

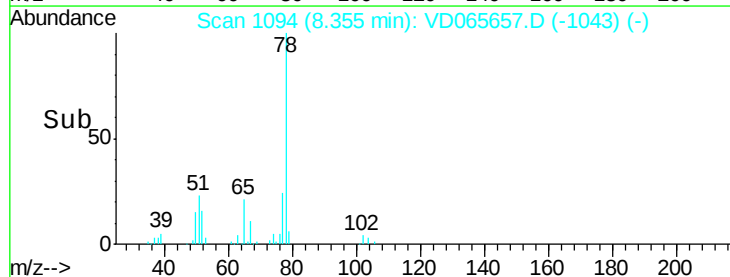
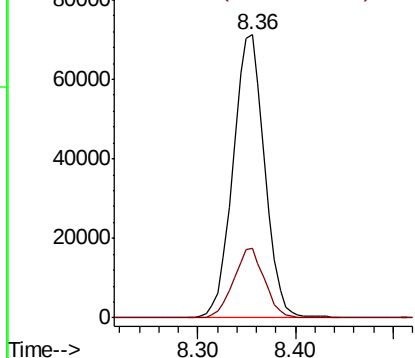


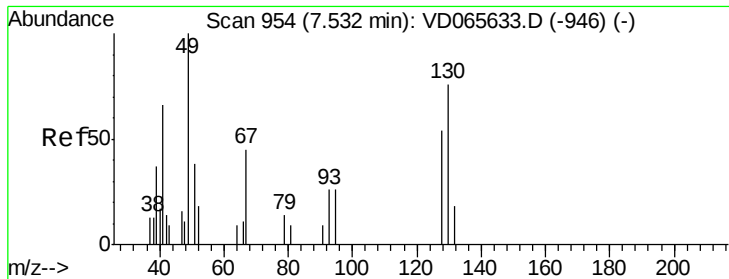
#40
Benzene
Concen: 18.771 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion: 78 Resp: 160392
Ion Ratio Lower Upper
78 100
77 24.7 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 21.914 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBSD01

Tot Ion: 41 Resp: 12863

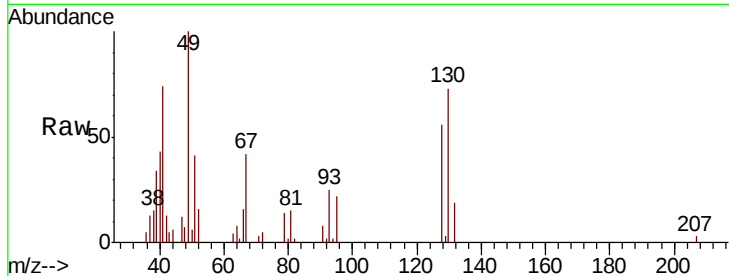
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 69.9 0.0 0.0#

52 27.0 0.0 0.0#

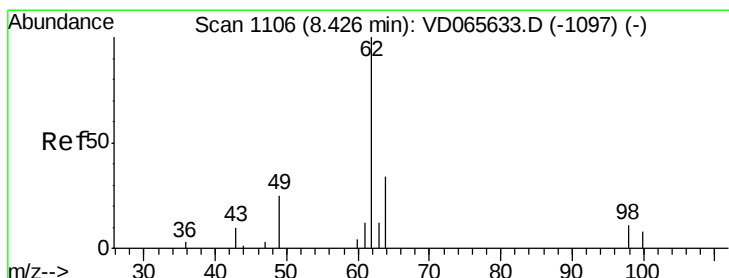
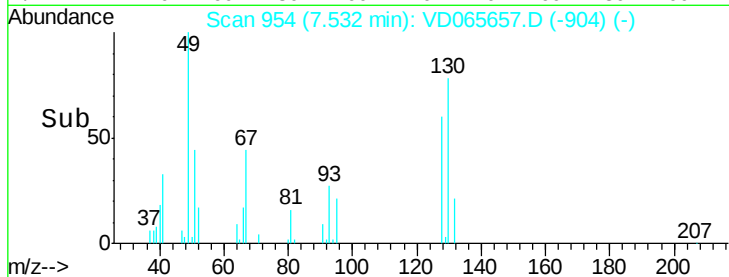
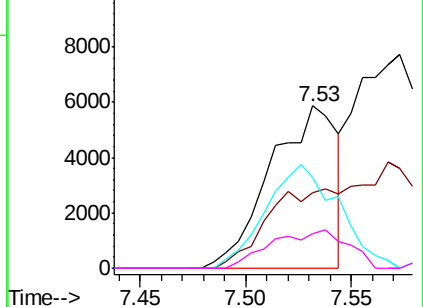


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.970 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD065657.D

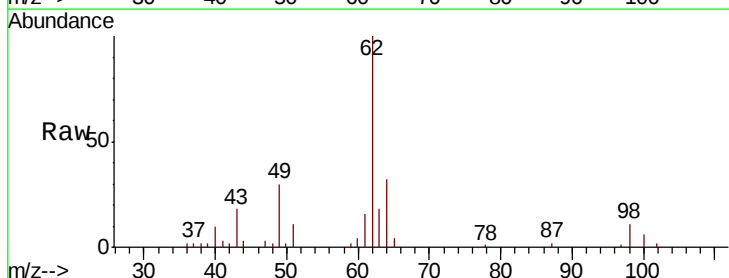
Acq: 17 Apr 2020 21:13

Tgt Ion: 62 Resp: 46764

Ion Ratio Lower Upper

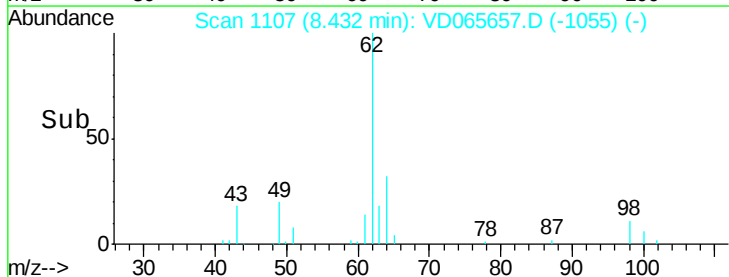
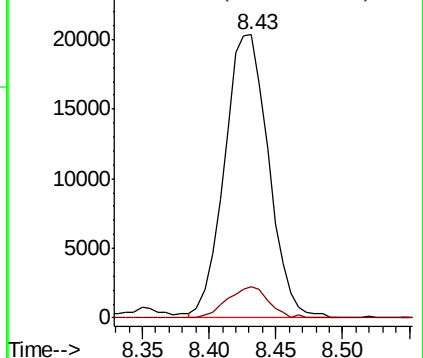
62 100

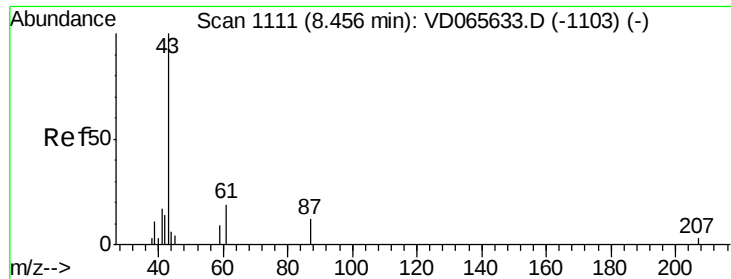
98 10.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.621 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

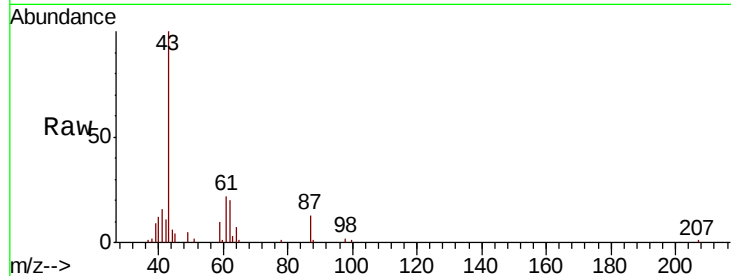
Tot Ion: 43 Resp: 41875

Ion Ratio Lower Upper

43 100

61 32.9 25.0 37.6

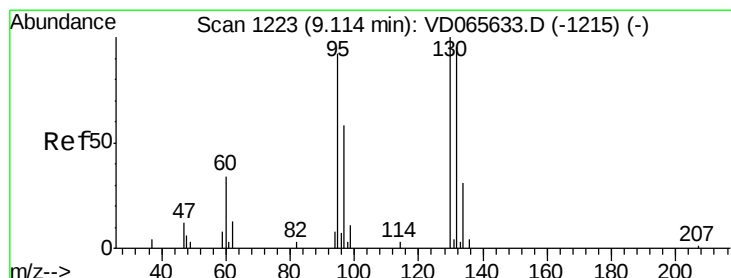
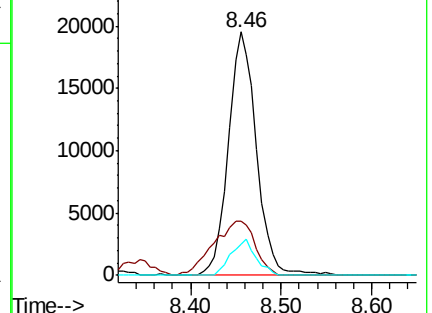
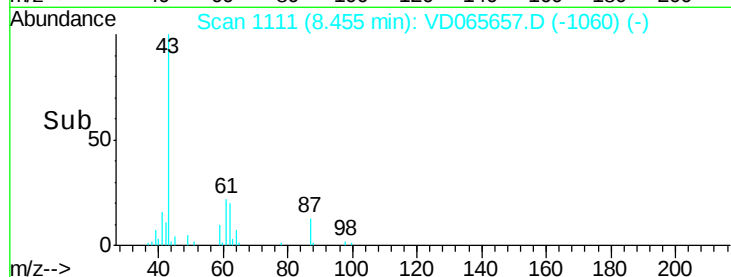
87 13.0 9.9 14.9



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: 17.978 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065657.D

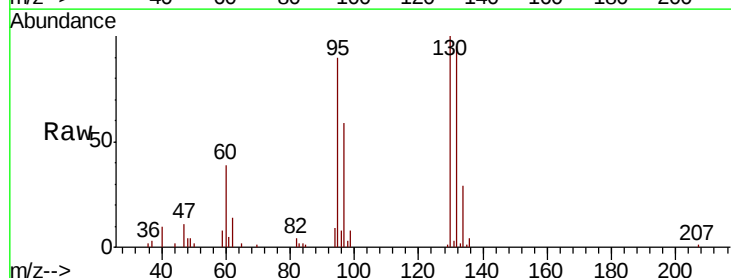
Acq: 17 Apr 2020 21:13

Tgt Ion: 130 Resp: 43000

Ion Ratio Lower Upper

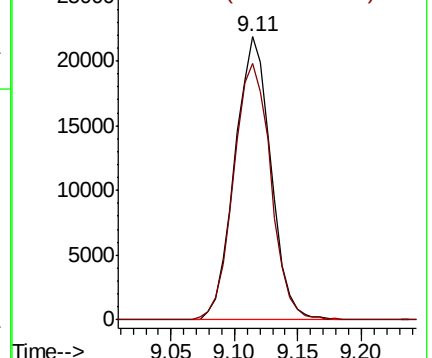
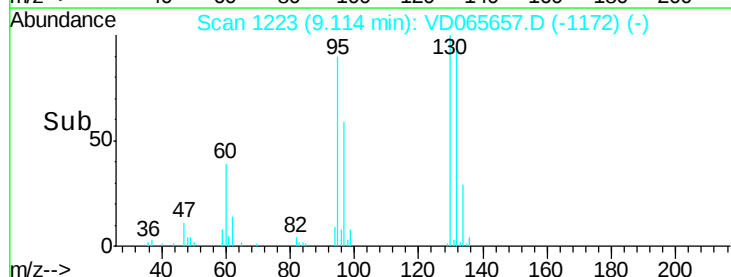
130 100

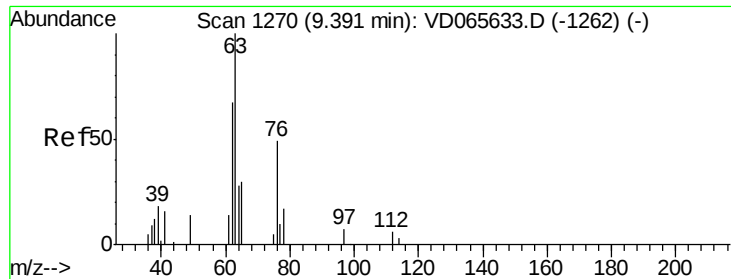
95 90.4 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.284 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

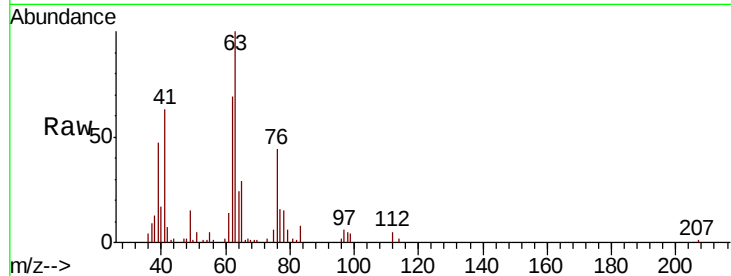
VD0417SBSD01

Tot Ion: 63 Resp: 40438

Ion Ratio Lower Upper

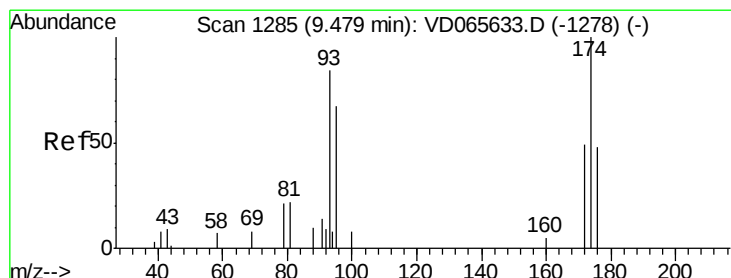
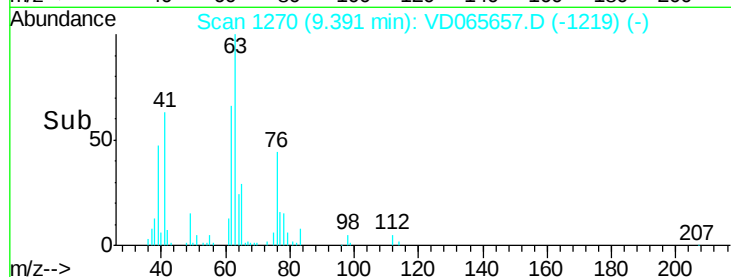
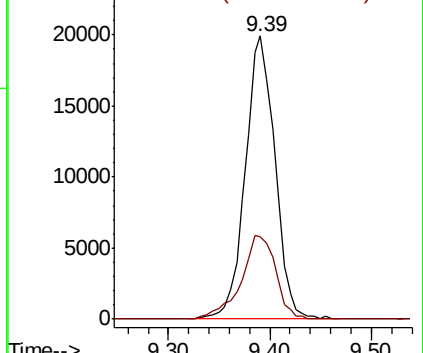
63 100

65 29.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.804 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

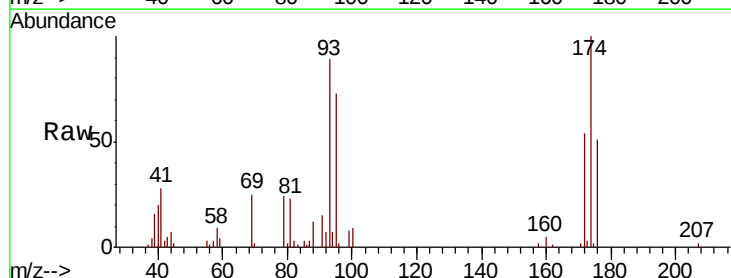
Tgt Ion: 93 Resp: 21476

Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.2

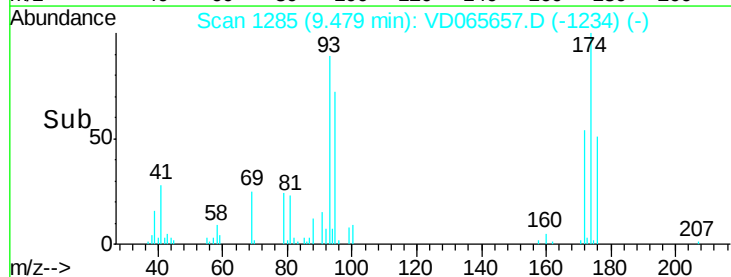
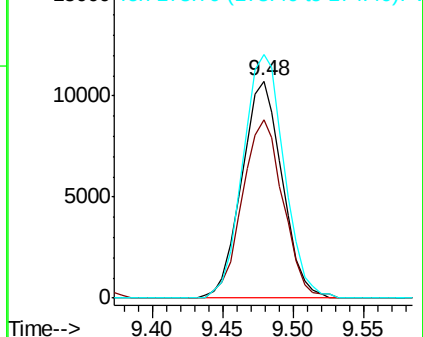
174 115.0 94.1 141.1

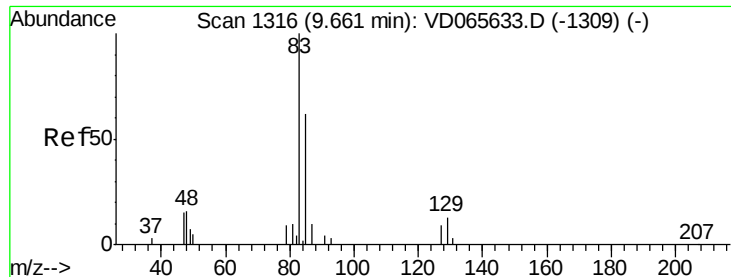


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.246 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBSD01

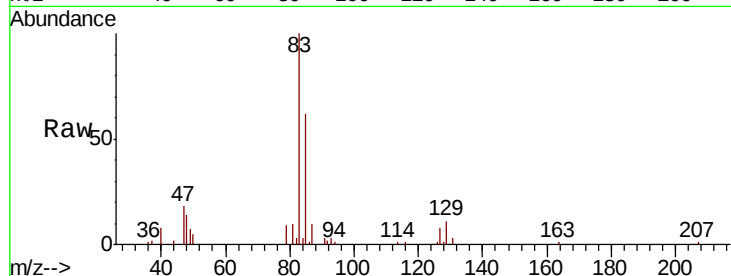
Tot Ion: 83 Resp: 55576

Ion Ratio Lower Upper

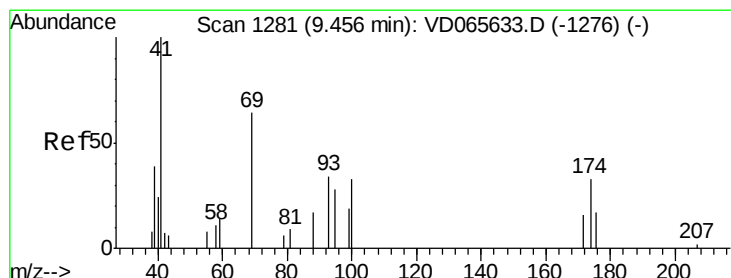
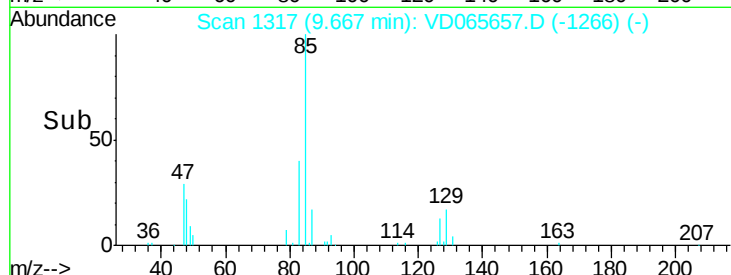
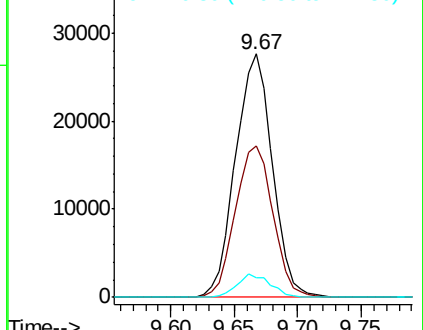
83 100

85 62.2 49.8 74.8

127 8.2 6.6 9.8



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: 17.782 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

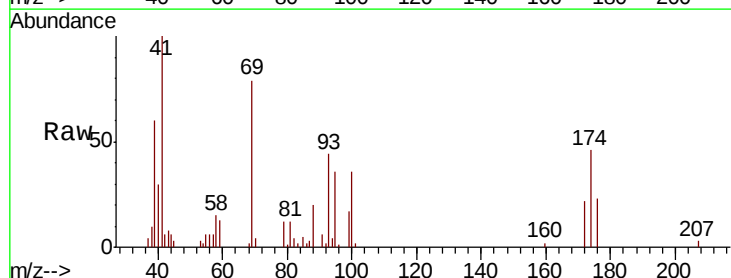
Tgt Ion: 41 Resp: 18992

Ion Ratio Lower Upper

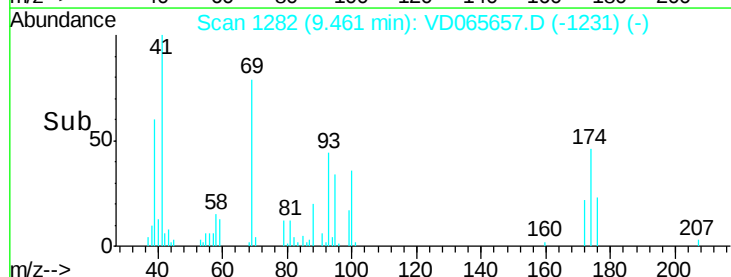
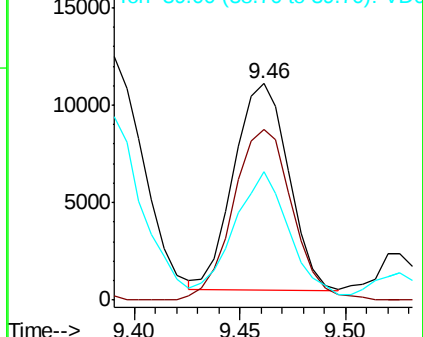
41 100

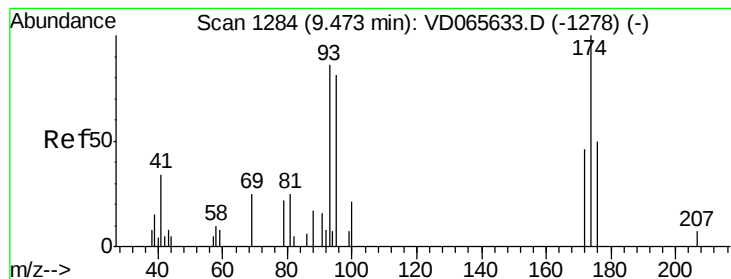
69 89.6 66.8 100.2

39 64.7 39.6 59.4#



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: 380.772 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

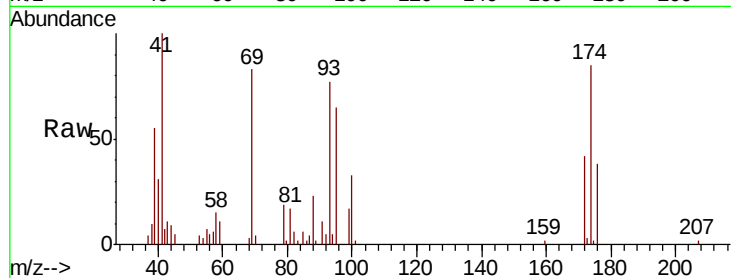
Tot Ion: 88 Resp: 4774

Ion Ratio Lower Upper

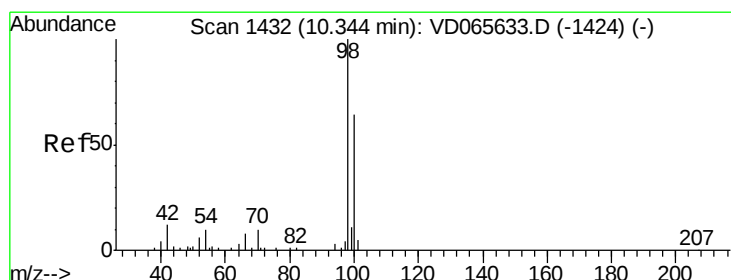
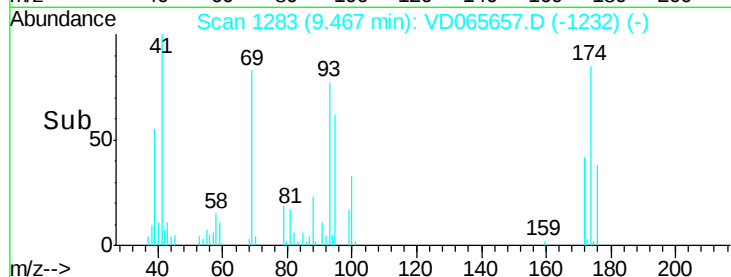
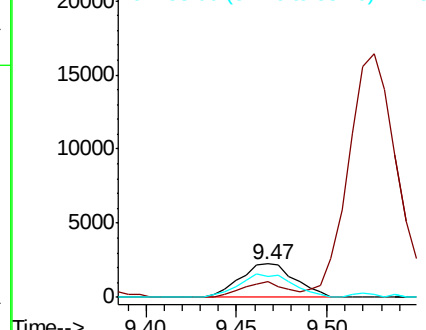
88 100

43 36.5 28.1 42.1

58 68.8 55.7 83.5



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 49.551 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065657.D

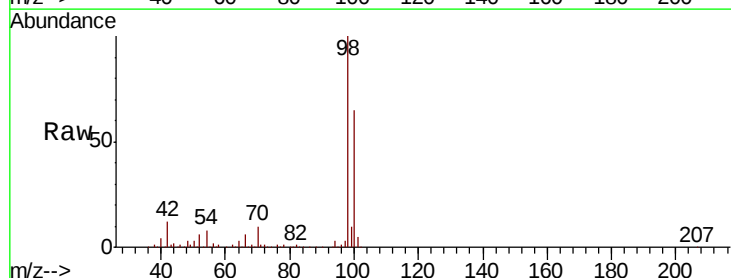
Acq: 17 Apr 2020 21:13

Tgt Ion: 98 Resp: 349897

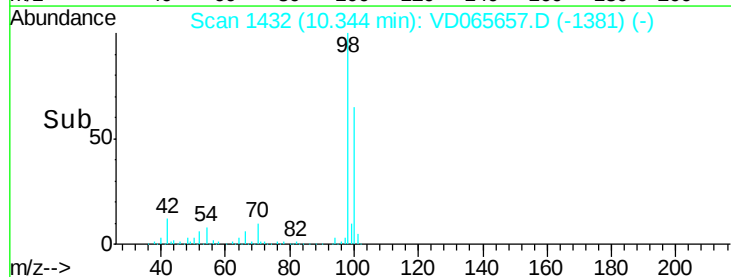
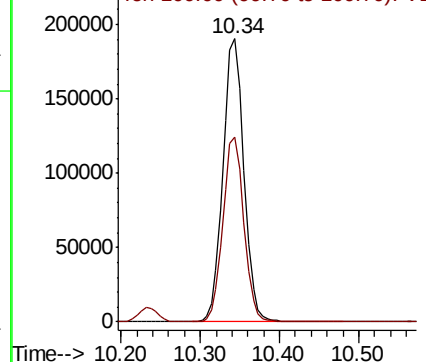
Ion Ratio Lower Upper

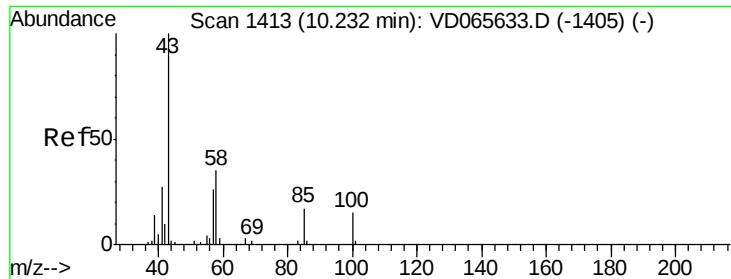
98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 97.107 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

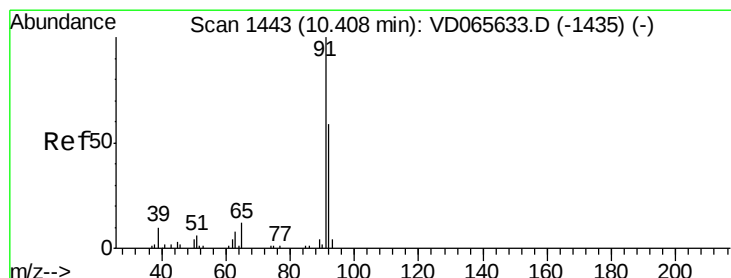
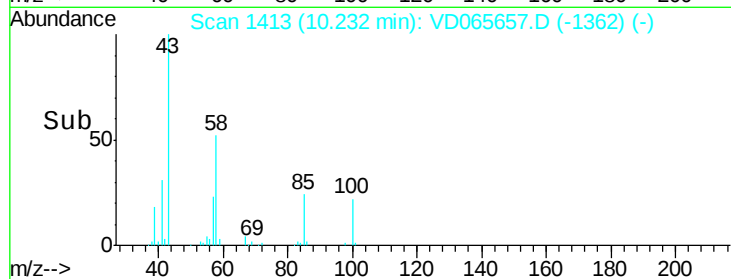
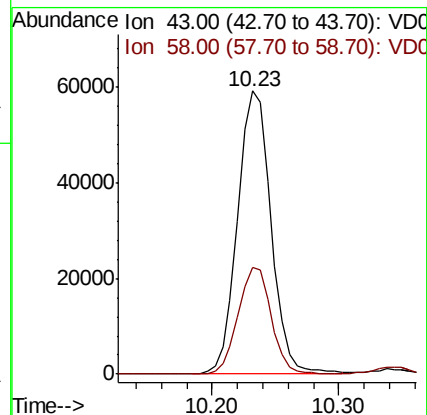
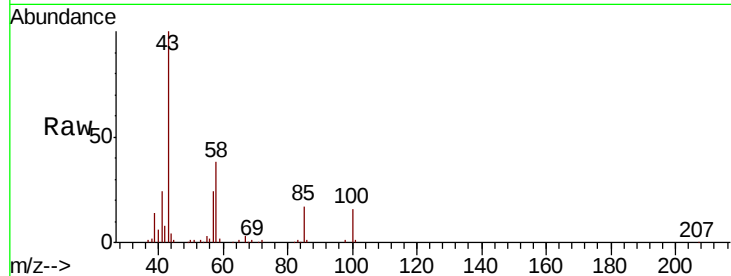
VD0417SBSD01

Tot Ion: 43 Resp: 108376

Ion Ratio Lower Upper

43 100

58 37.3 31.1 46.7



#52

Toluene

Concen: 19.392 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065657.D

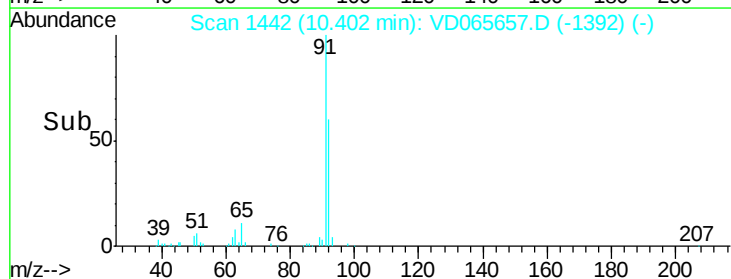
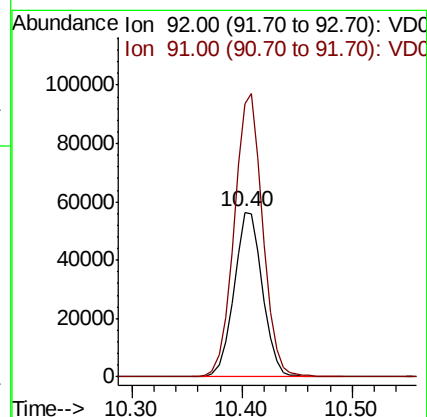
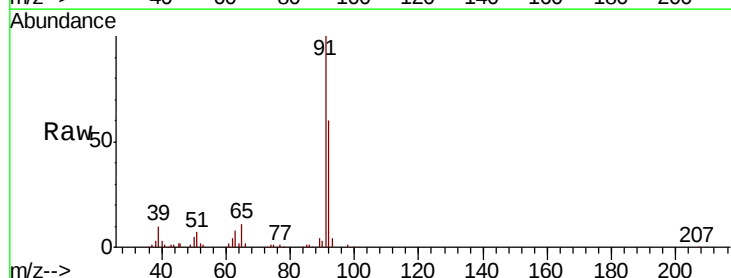
Acq: 17 Apr 2020 21:13

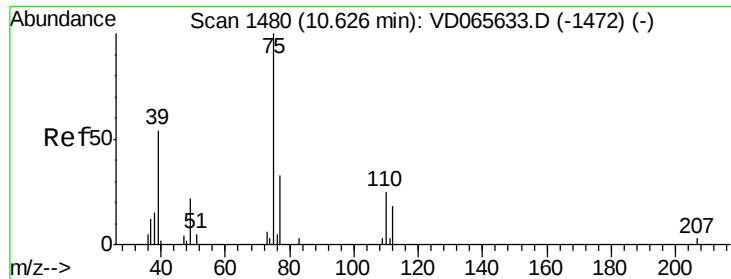
Tgt Ion: 92 Resp: 102148

Ion Ratio Lower Upper

92 100

91 171.6 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.348 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

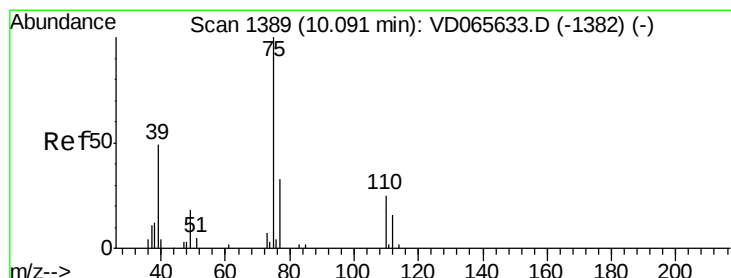
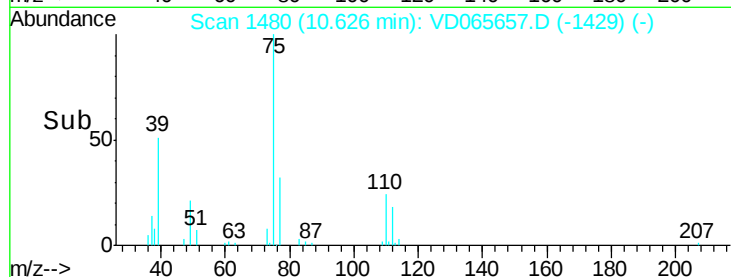
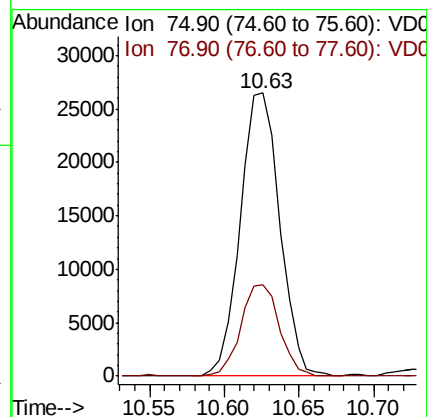
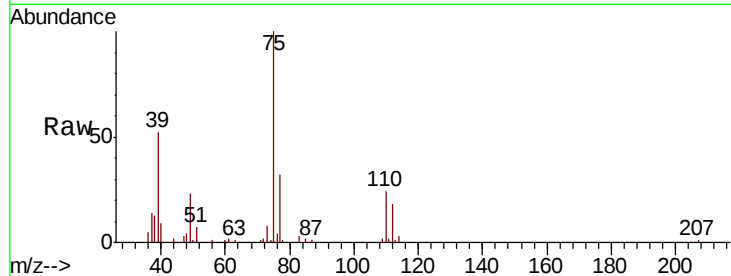
VD0417SBS01

Tot Ion: 75 Resp: 48650

Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.109 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

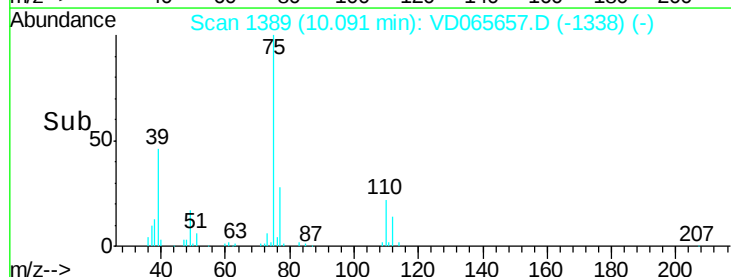
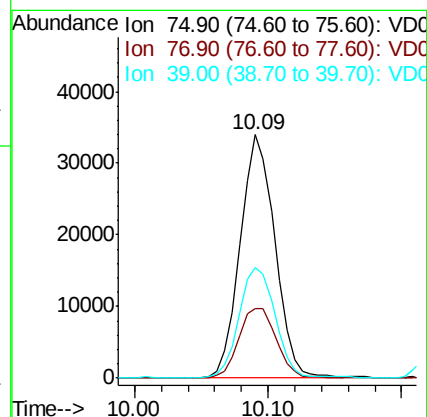
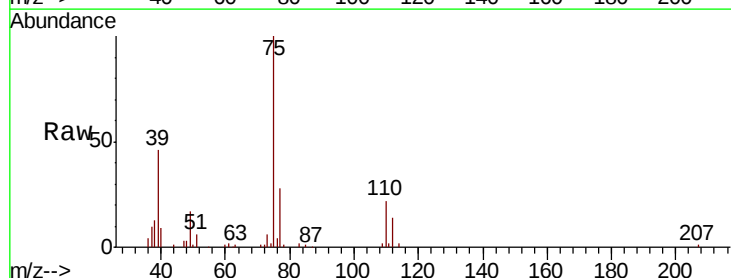
Tgt Ion: 75 Resp: 61320

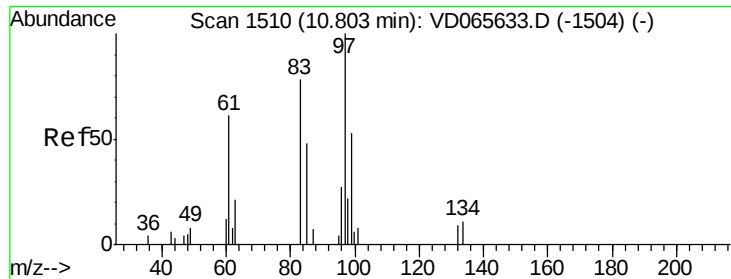
Ion Ratio Lower Upper

75 100

77 28.4 25.2 37.8

39 45.6 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 20.470 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBSD01

Tot Ion: 97 Resp: 31398

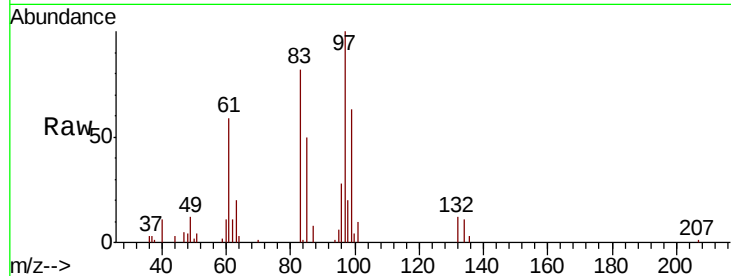
Ion Ratio Lower Upper

97 100

83 82.4 67.4 101.0

85 49.5 43.4 65.0

99 62.7 50.5 75.7

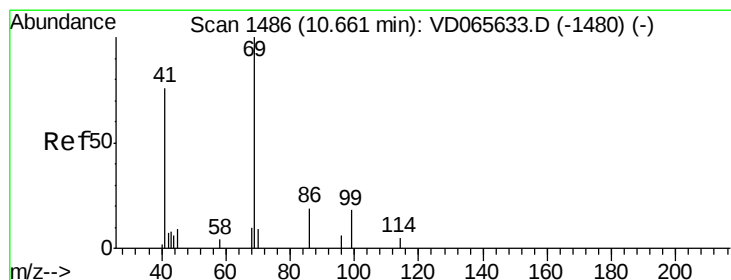
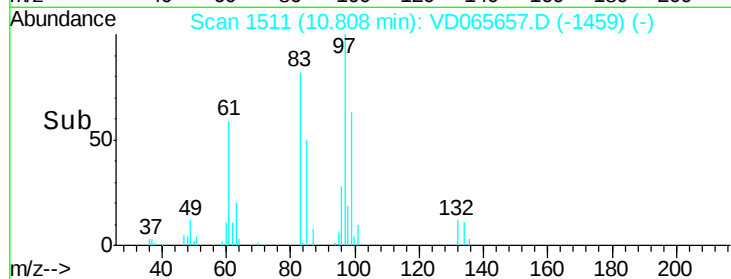
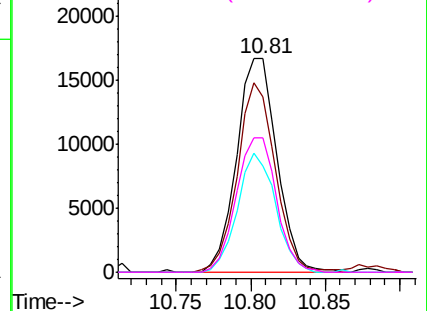


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 18.715 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

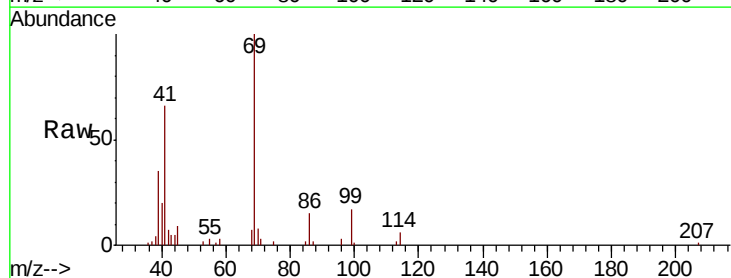
Tgt Ion: 69 Resp: 31441

Ion Ratio Lower Upper

69 100

41 70.5 56.2 84.4

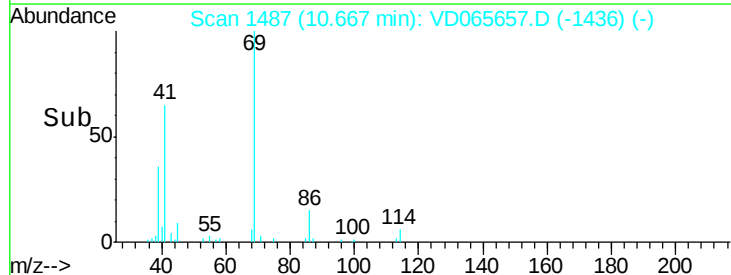
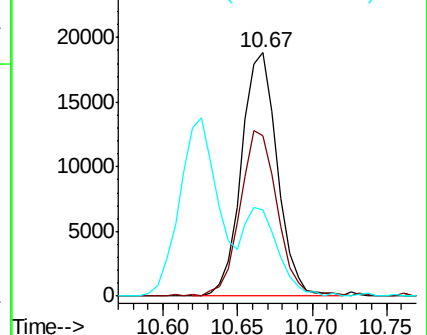
39 33.9 26.6 39.8

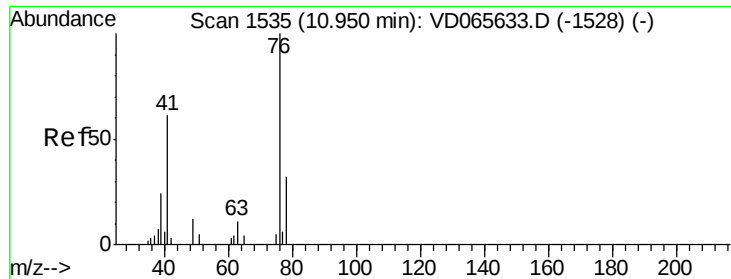


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

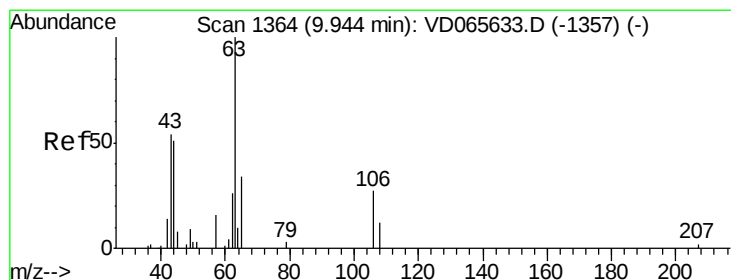
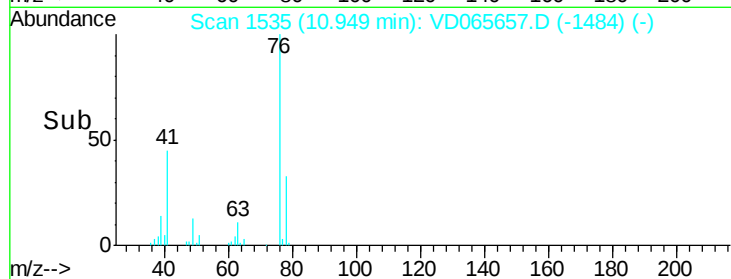
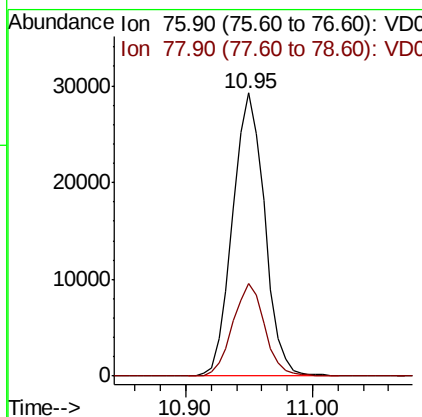
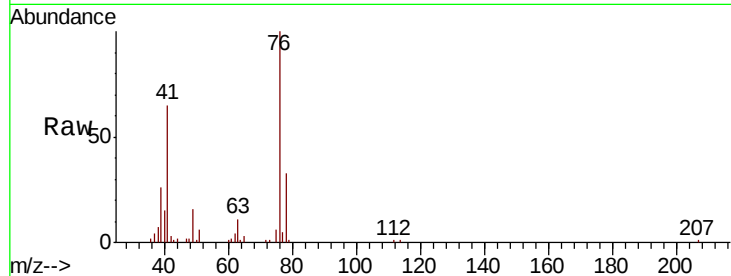




#57
 1,3-Dichloropropane
 Concen: 19.597 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

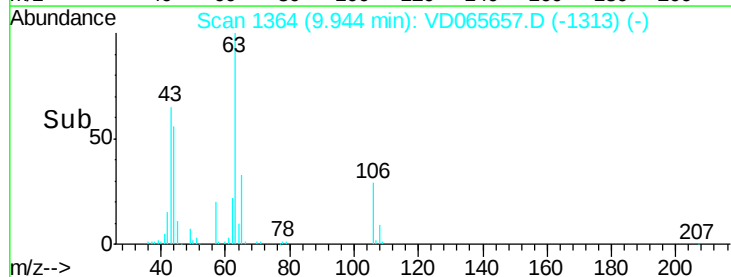
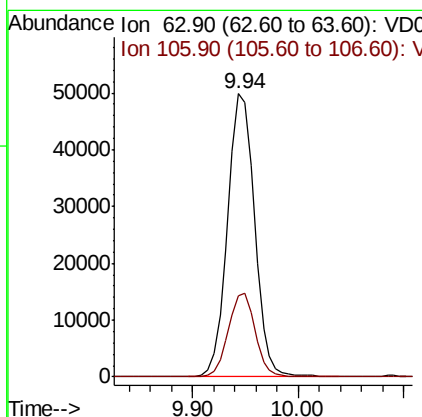
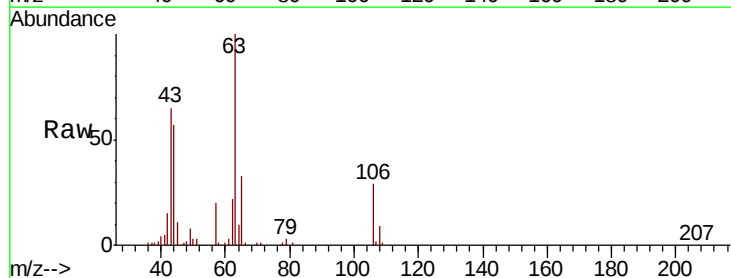
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

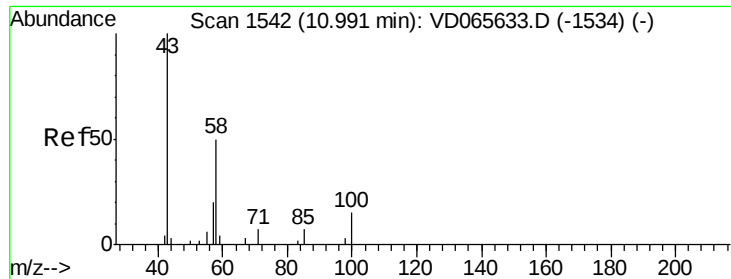
Tot Ion: 76 Resp: 51183
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.483 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion: 63 Resp: 88387
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.8 35.6

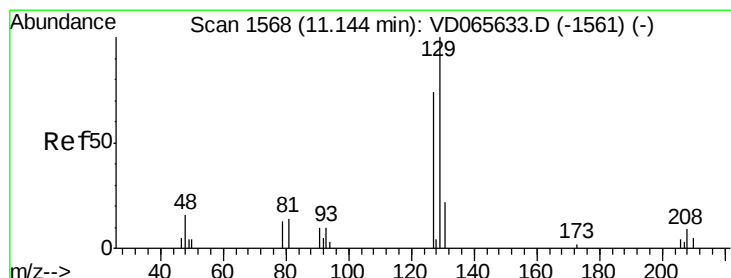
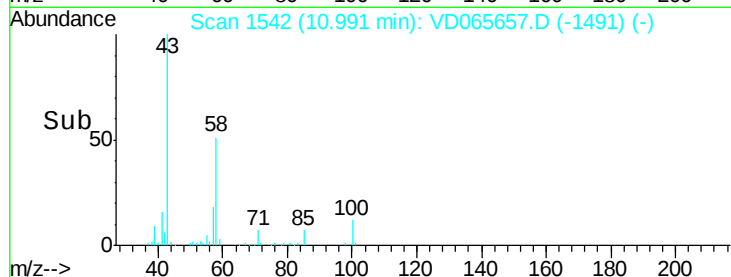
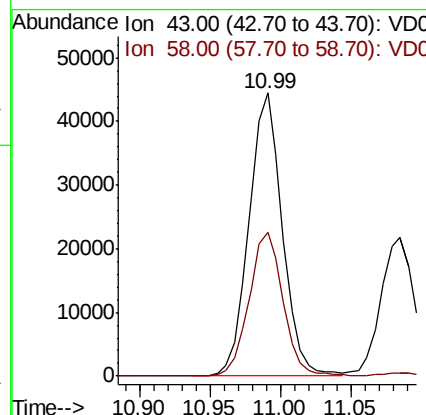
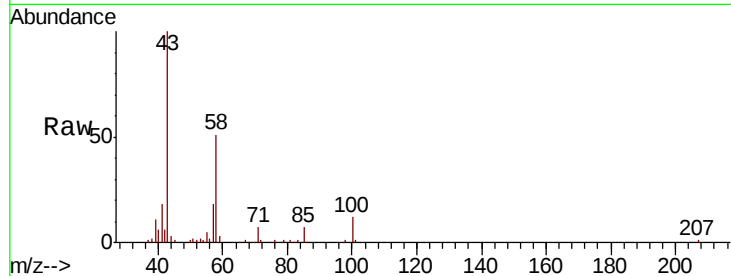




#59
2-Hexanone
Concen: 96.624 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

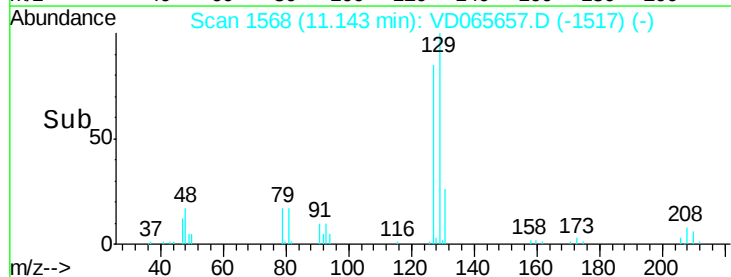
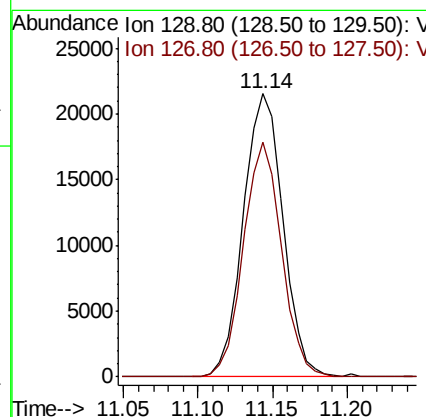
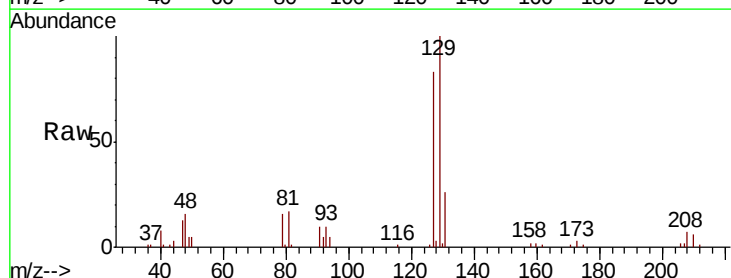
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

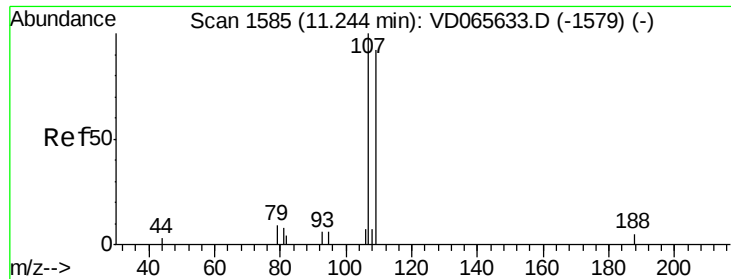
Tot Ion: 43 Resp: 73878
Ion Ratio Lower Upper
43 100
58 51.4 26.5 79.4



#60
Dibromochloromethane
Concen: 19.590 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion:129 Resp: 39576
Ion Ratio Lower Upper
129 100
127 79.7 38.8 116.3

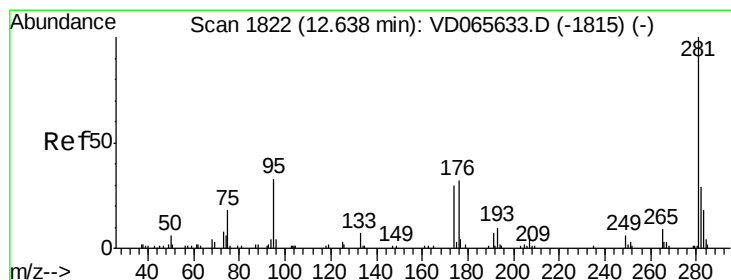
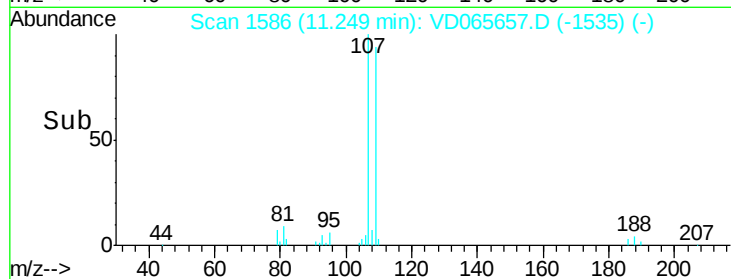
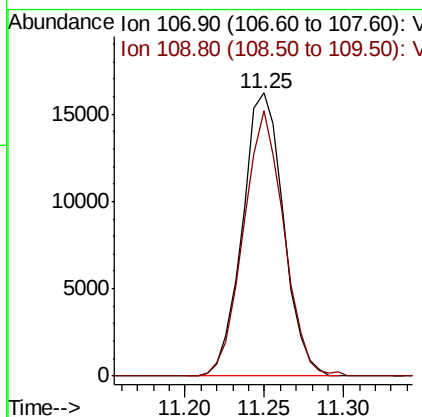
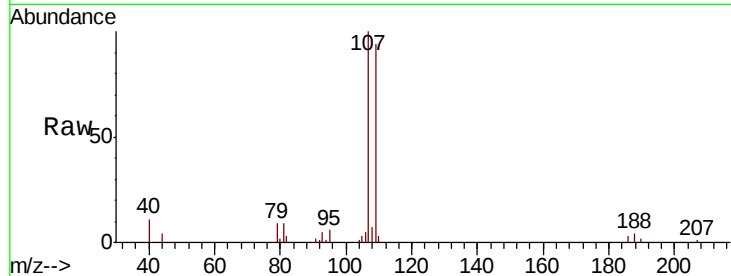




#61
 1,2-Dibromoethane
 Concen: 19.784 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

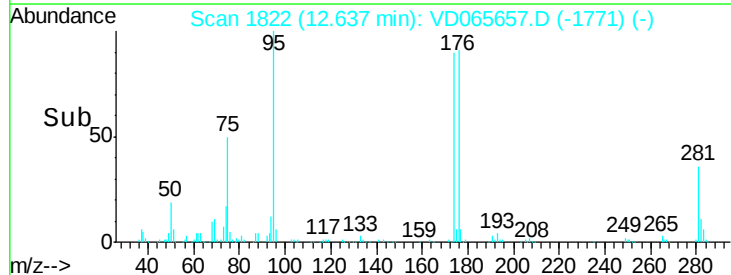
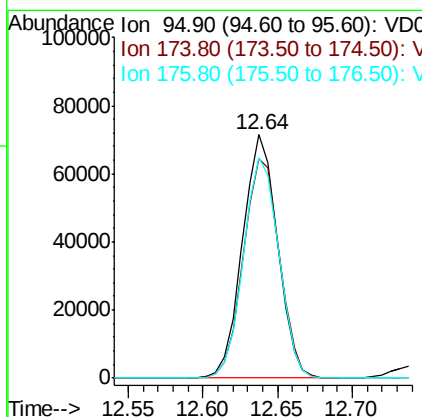
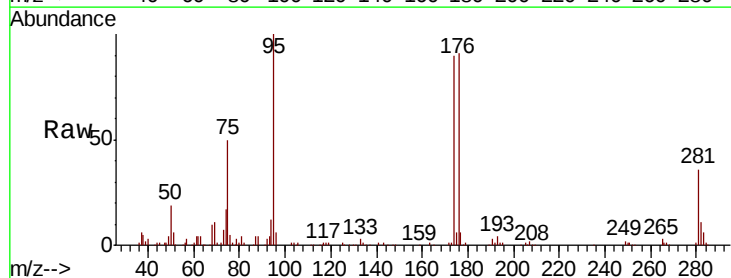
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

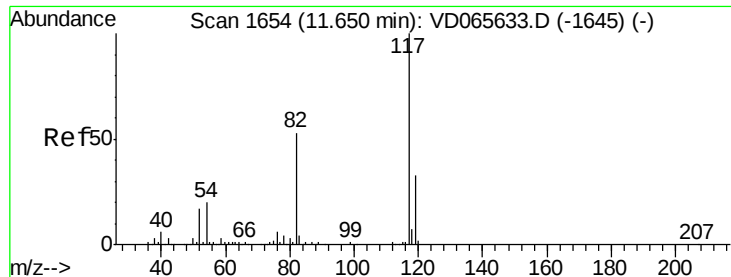
Tot Ion:107 Resp: 29199
 Ion Ratio Lower Upper
 107 100
 109 92.3 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.263 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion: 95 Resp: 115750
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 183.8
 176 91.6 0.0 181.4

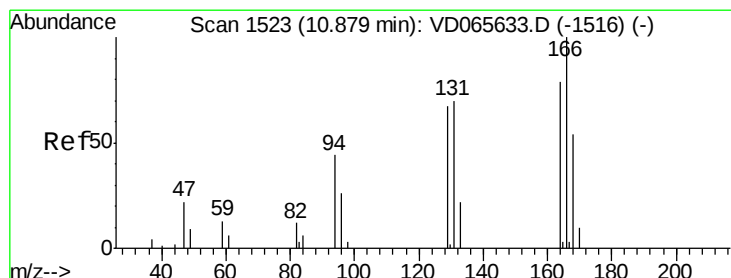
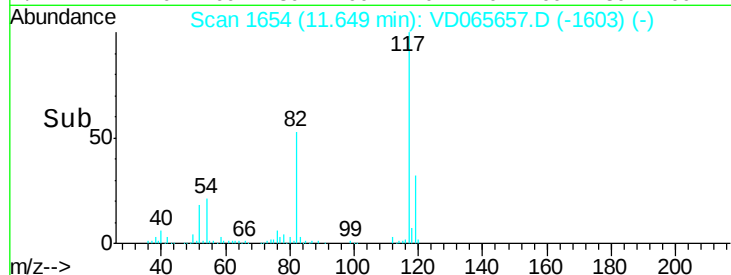
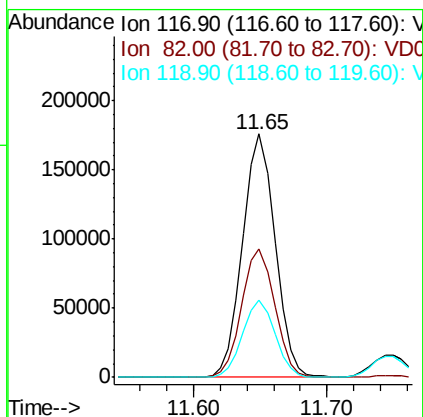
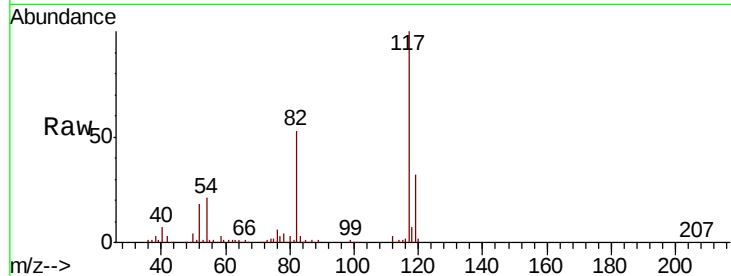




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

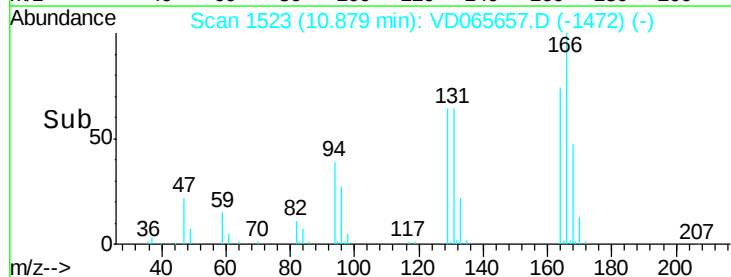
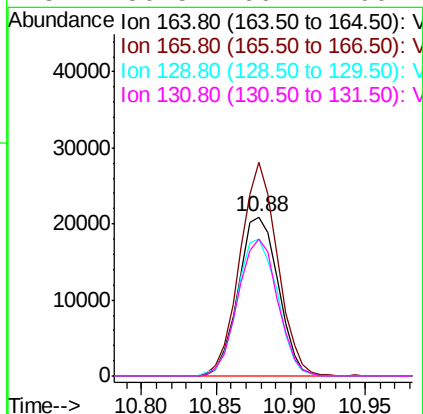
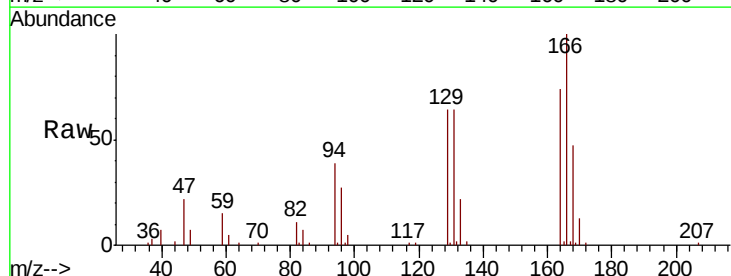
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

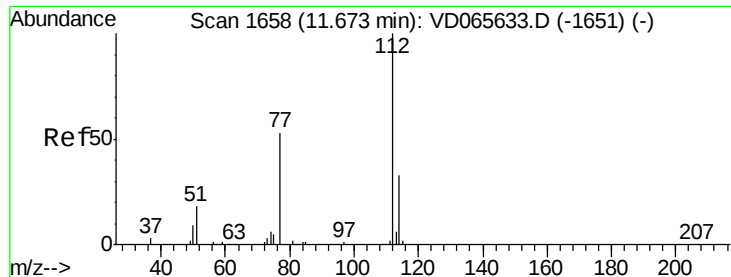
Tot Ion:117 Resp: 298171
Ion Ratio Lower Upper
117 100
82 52.8 43.2 64.8
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 18.104 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion:164 Resp: 38733
Ion Ratio Lower Upper
164 100
166 134.4 102.3 153.5
129 86.6 71.7 107.5
131 86.5 66.2 99.4

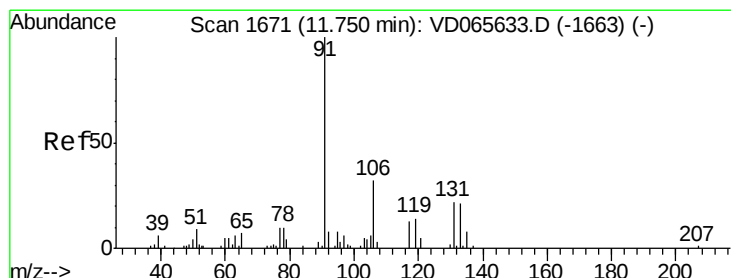
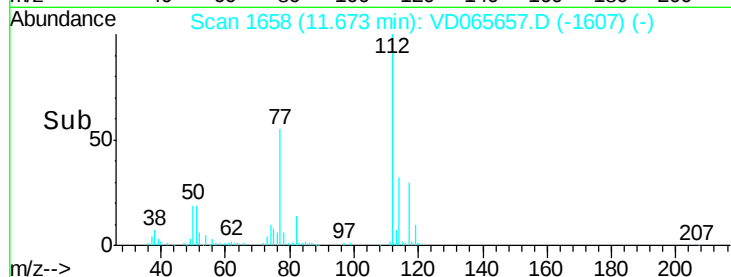
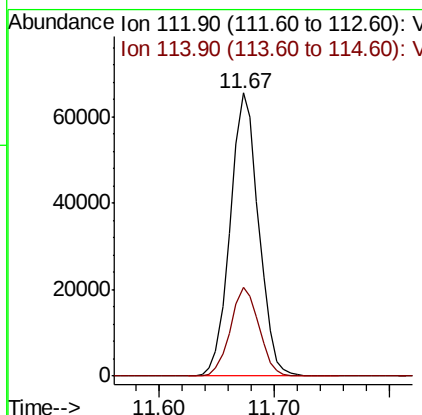
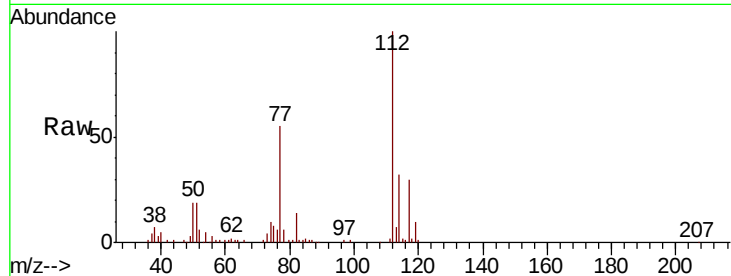




#65
Chlorobenzene
Concen: 18.884 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

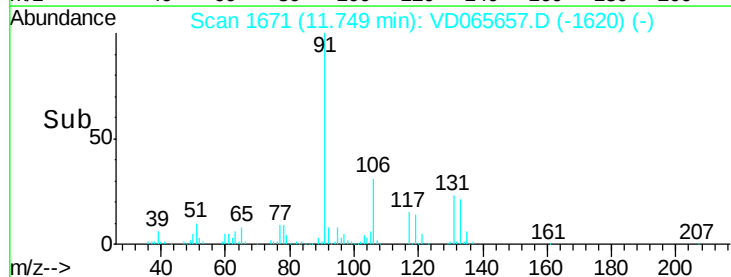
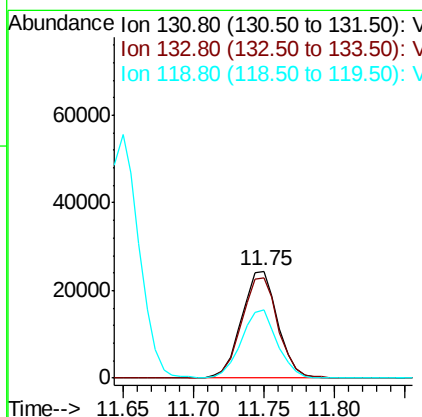
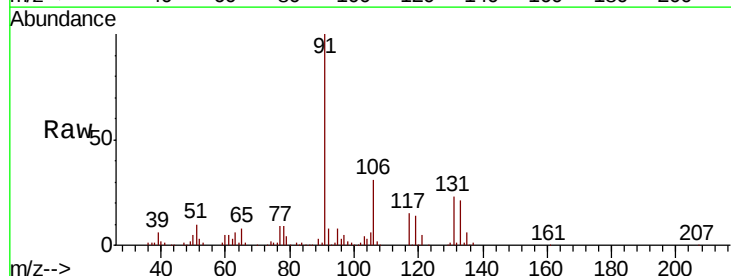
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

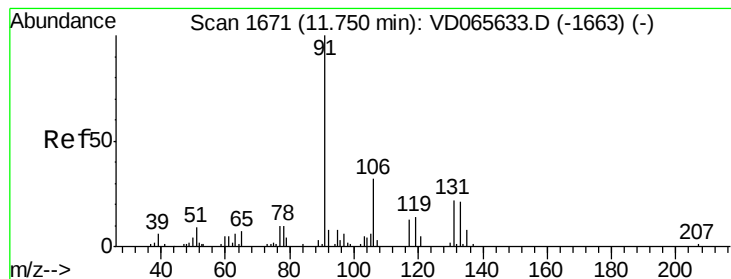
Tot Ion:112 Resp: 111480
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.255 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion:131 Resp: 43462
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 63.7 32.6 97.7





#67

Ethyl Benzene

Concen: 17.596 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

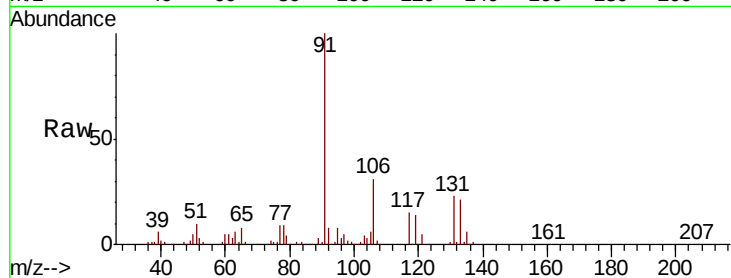
VD0417SBS01

Tot Ion: 91 Resp: 177533

Ion Ratio Lower Upper

91 100

106 31.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

11.75

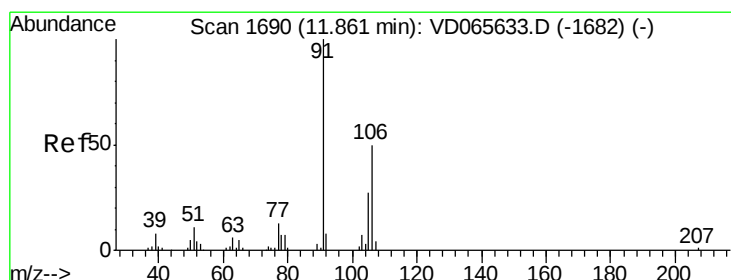
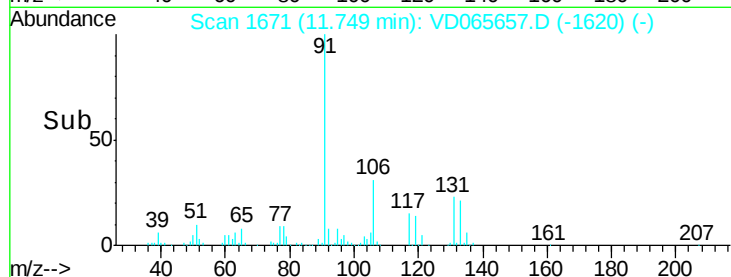
100000

50000

0

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 36.757 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065657.D

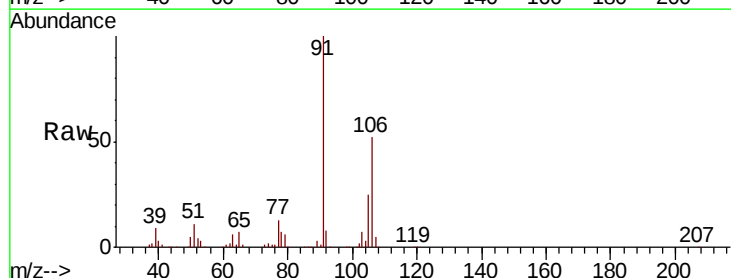
Acq: 17 Apr 2020 21:13

Tgt Ion: 106 Resp: 143270

Ion Ratio Lower Upper

106 100

91 195.2 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

11.86

150000

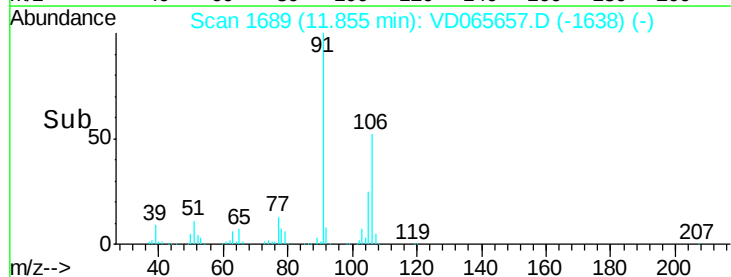
100000

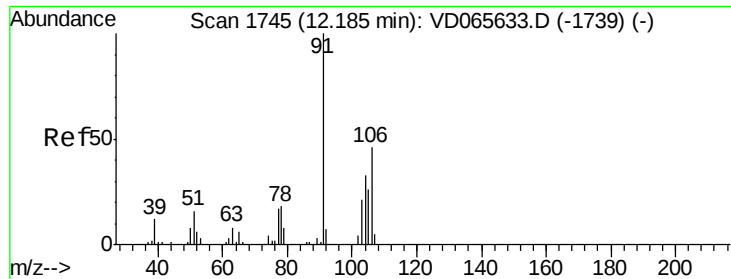
50000

0

11.80 11.85 11.90

Time-->

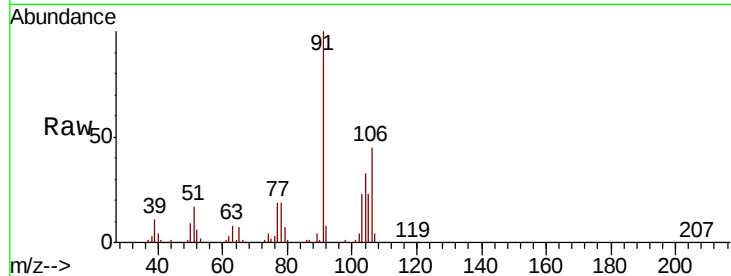




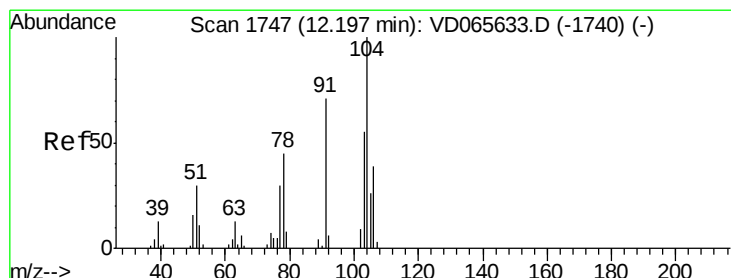
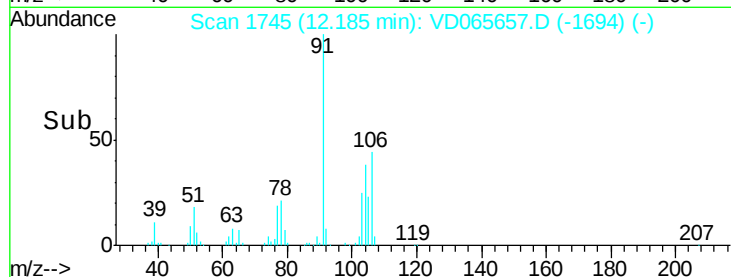
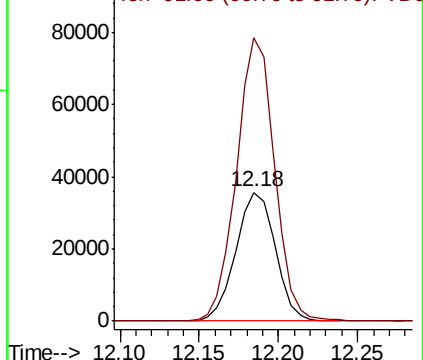
#69
o-Xylene
Concen: 18.020 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion:106 Resp: 61627
Ion Ratio Lower Upper
106 100
91 211.8 103.6 310.9

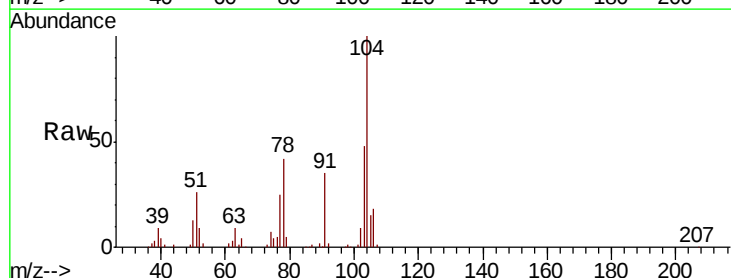


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

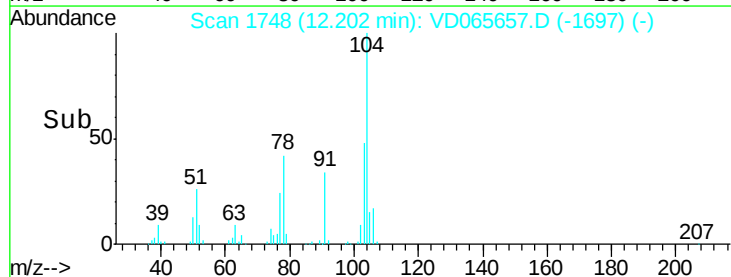
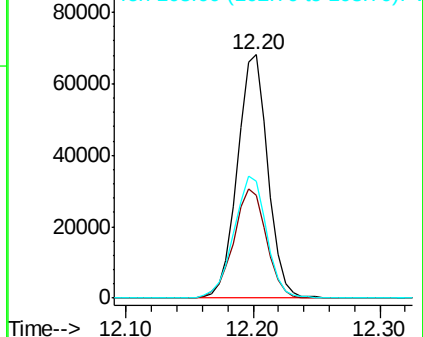


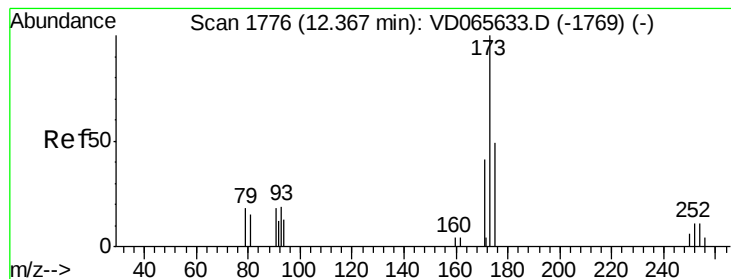
#70
Styrene
Concen: 18.718 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion:104 Resp: 113309
Ion Ratio Lower Upper
104 100
78 48.0 37.5 56.3
103 53.8 43.4 65.0



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: 18.939 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

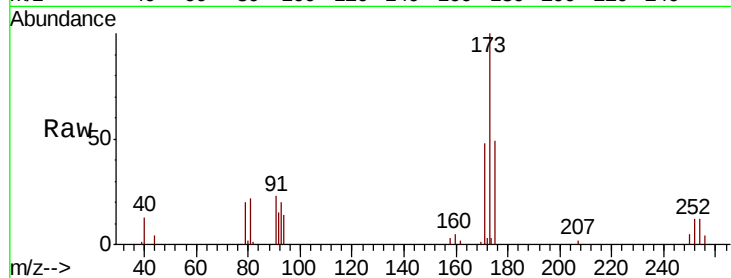
Tot Ion:173 Resp: 24015

Ion Ratio Lower Upper

173 100

175 49.8 25.1 75.2

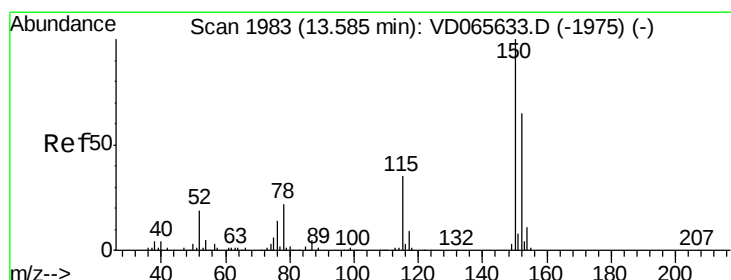
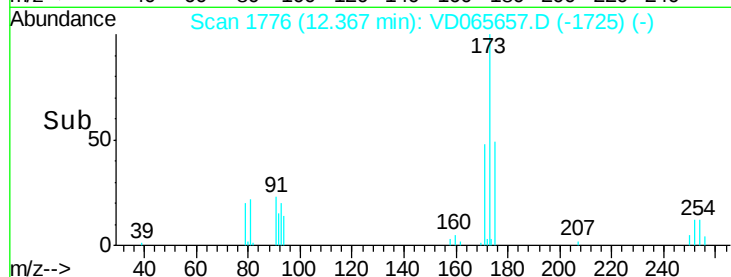
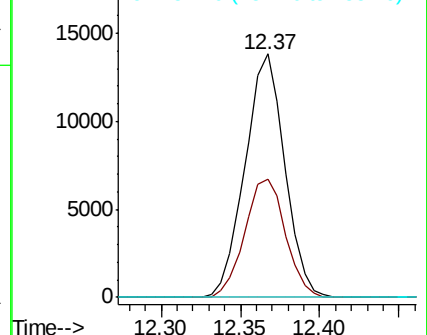
254 0.0 0.0 0.0



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# 1983

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

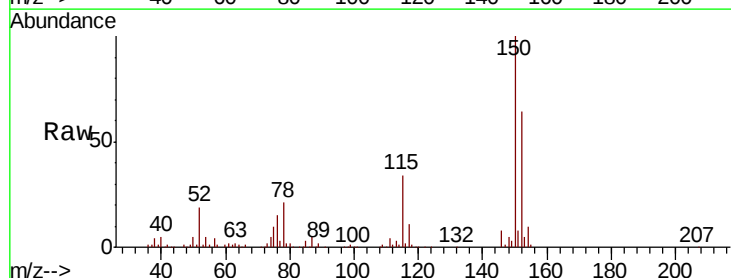
Tgt Ion:152 Resp: 157665

Ion Ratio Lower Upper

152 100

115 53.9 27.6 82.7

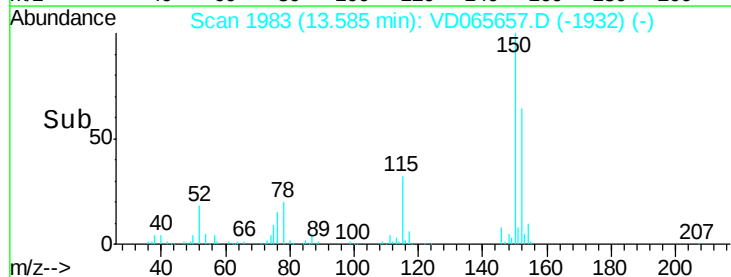
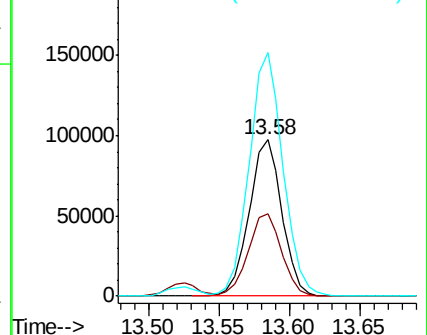
150 161.9 0.0 346.0

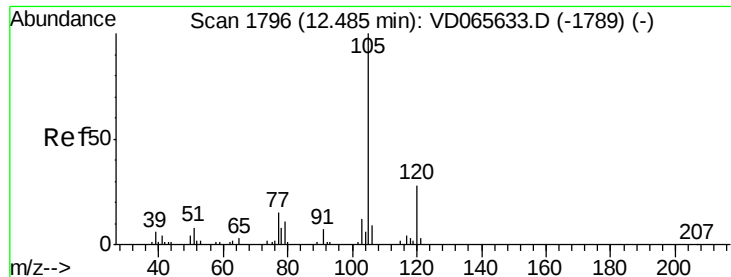


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.556 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

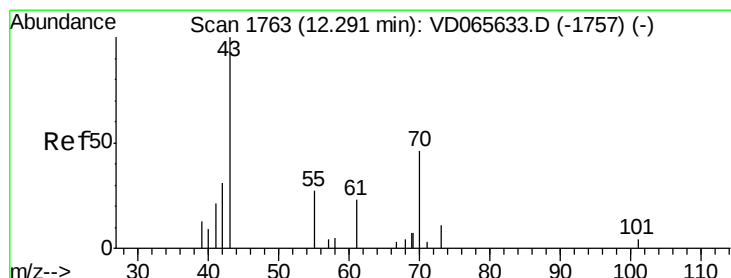
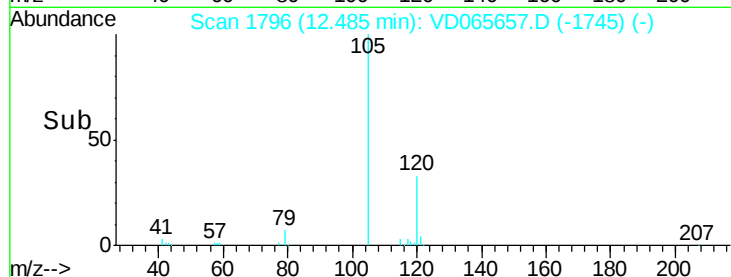
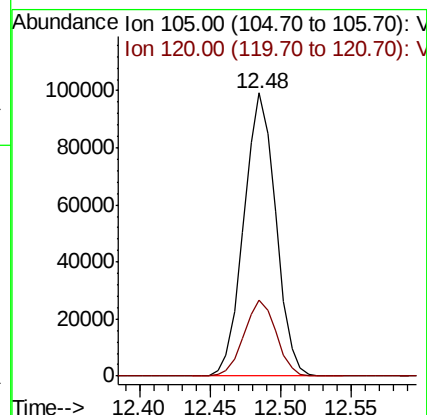
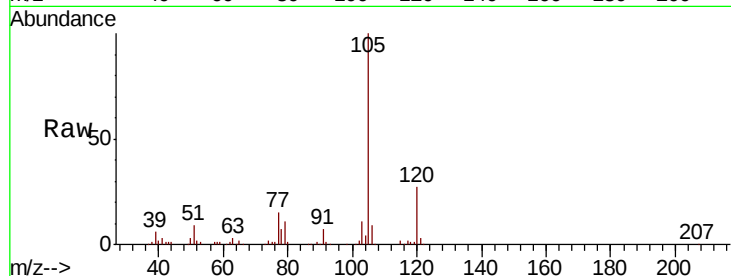
VD0417SBS01

Tot Ion:105 Resp: 157434

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 18.264 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Tgt Ion: 43 Resp: 36485

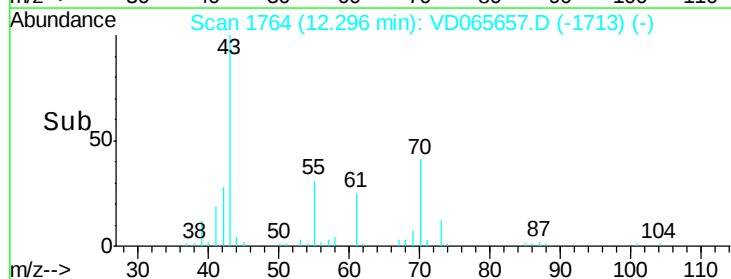
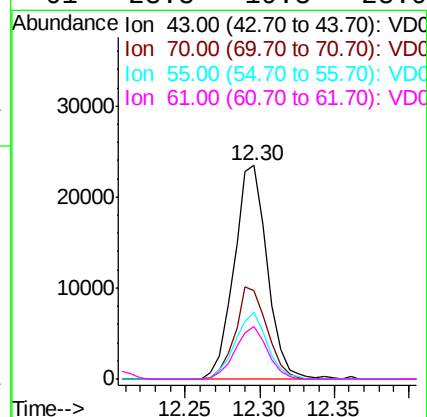
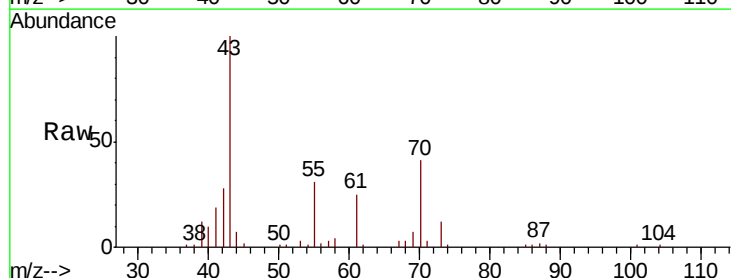
Ion Ratio Lower Upper

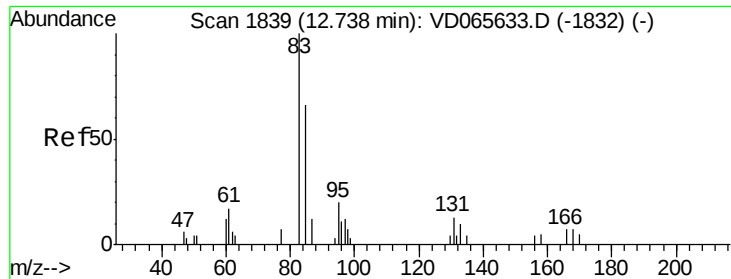
43 100

70 41.1 35.4 53.0

55 30.5 22.2 33.2

61 23.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.861 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

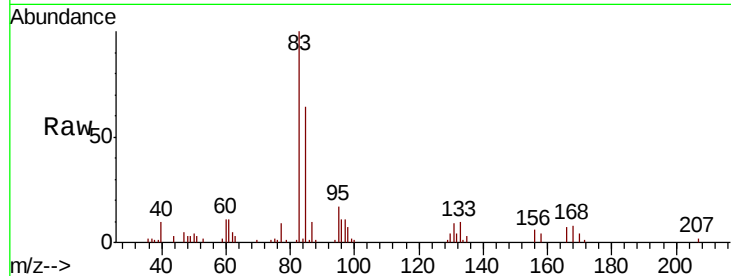
Tot Ion: 83 Resp: 34293

Ion Ratio Lower Upper

83 100

131 9.7 5.7 17.0

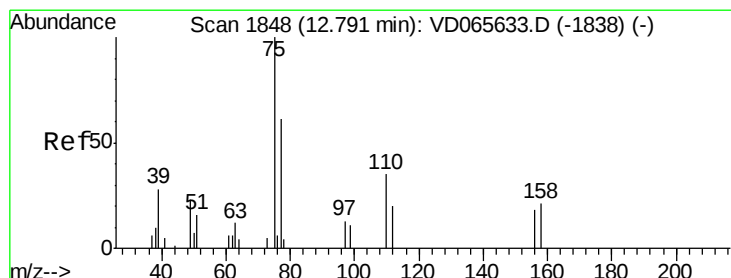
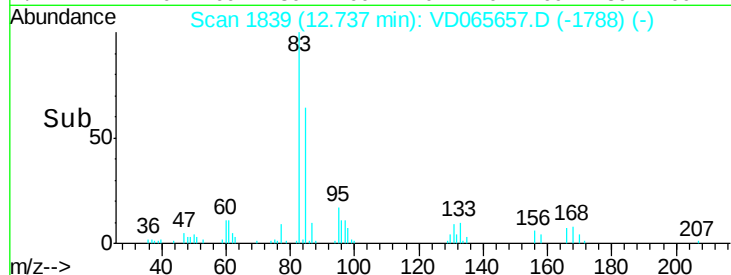
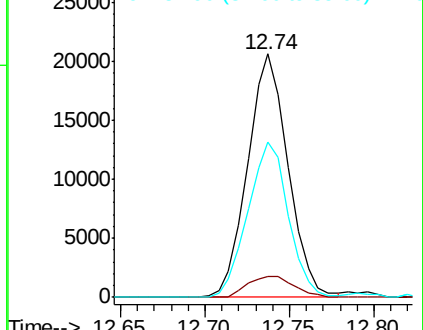
85 63.6 32.5 97.4



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: 34.462 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065657.D

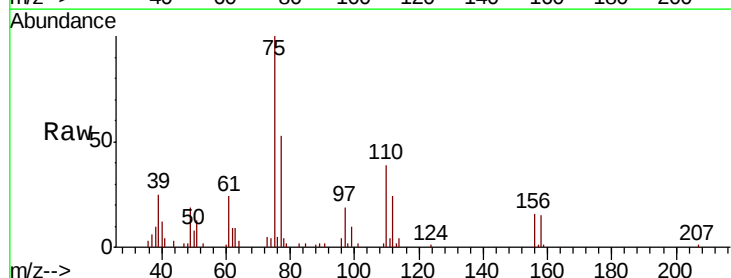
Acq: 17 Apr 2020 21:13

Tgt Ion: 75 Resp: 43686

Ion Ratio Lower Upper

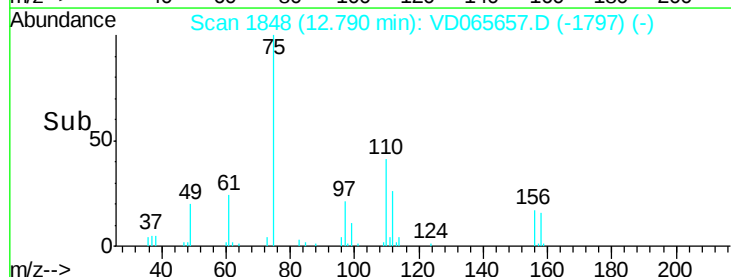
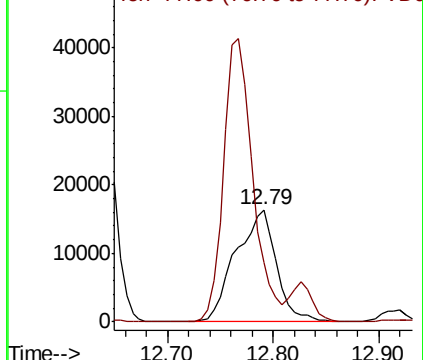
75 100

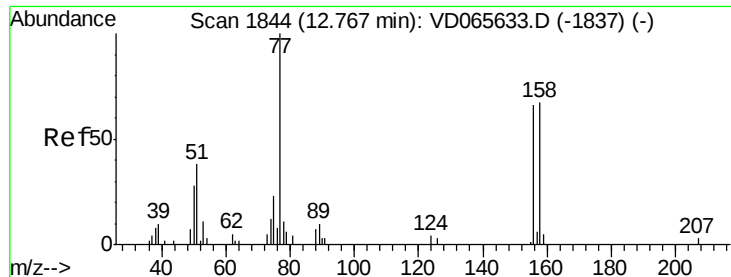
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.013 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

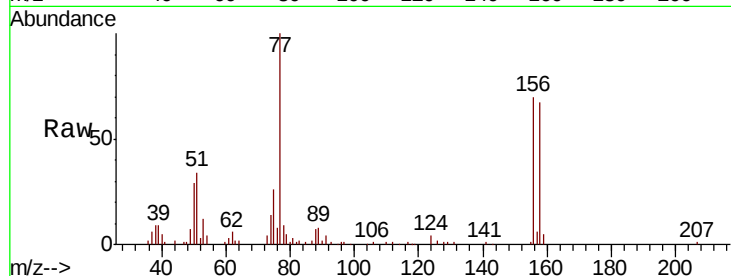
Tot Ion:156 Resp: 48012

Ion Ratio Lower Upper

156 100

77 165.2 84.7 254.1

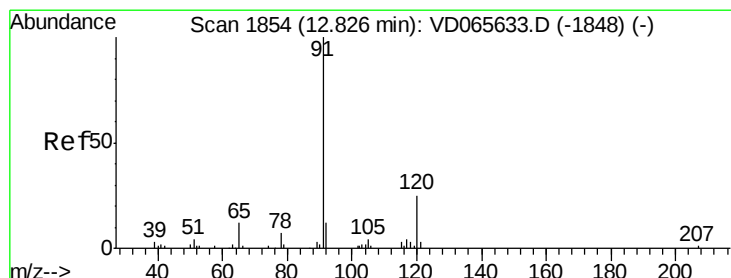
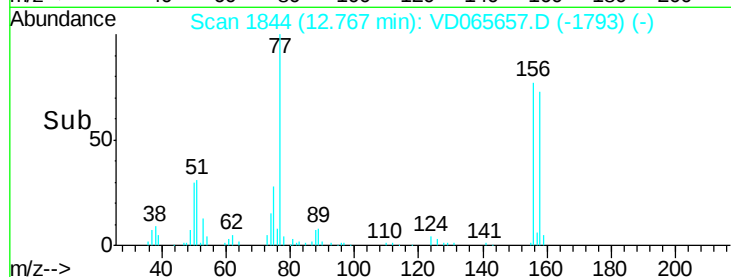
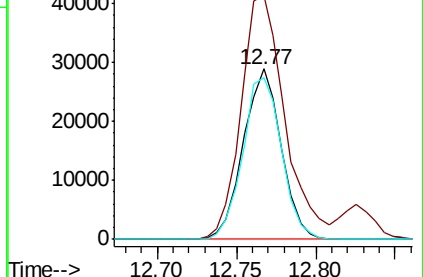
158 97.0 48.5 145.5



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: 17.960 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065657.D

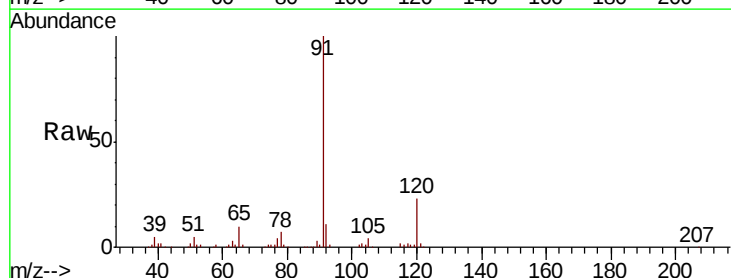
Acq: 17 Apr 2020 21:13

Tgt Ion: 91 Resp: 206602

Ion Ratio Lower Upper

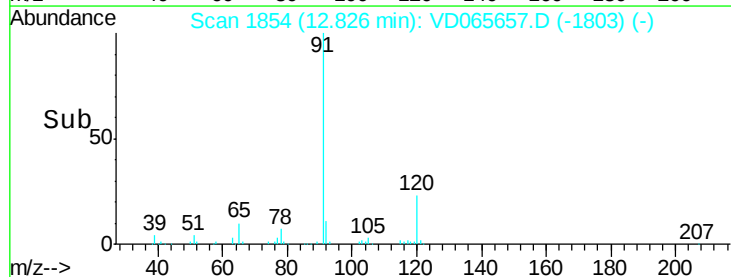
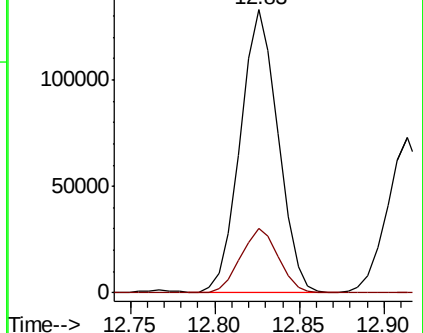
91 100

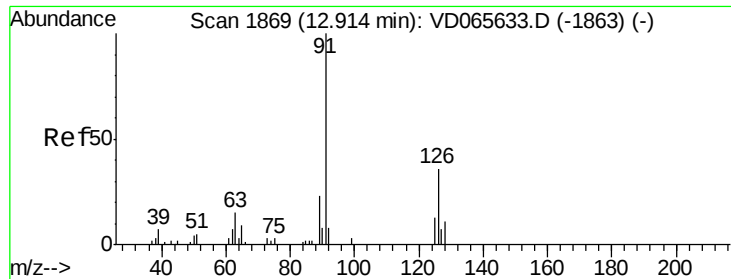
120 22.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

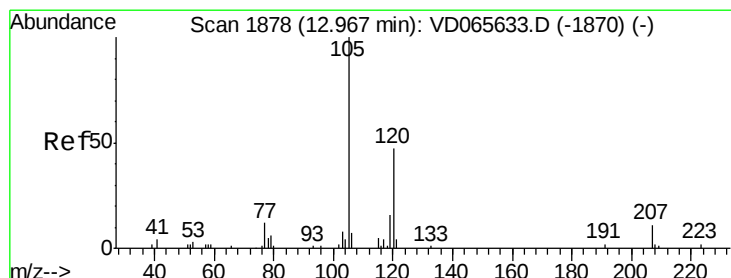
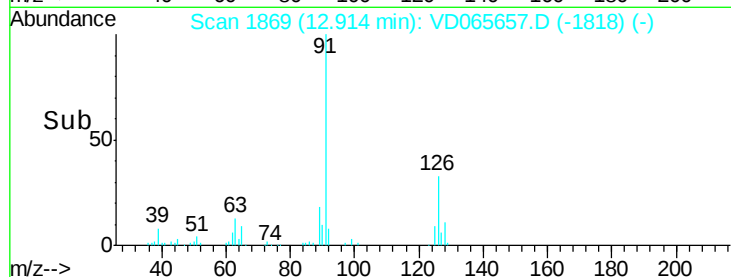
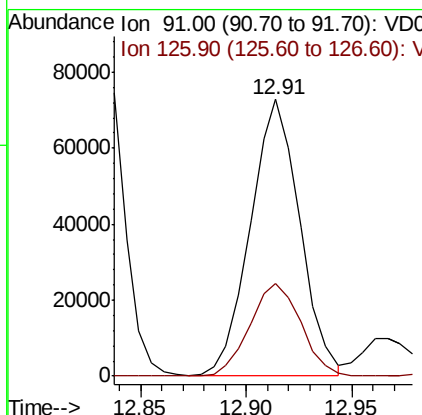
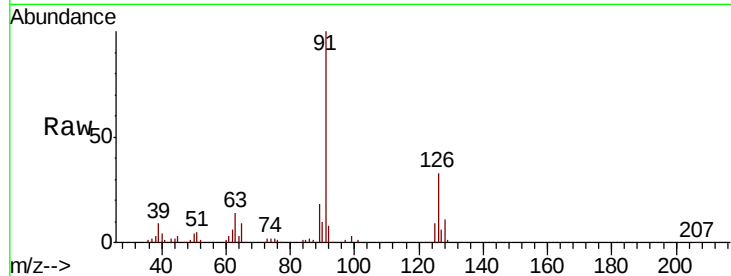




#79
2-Chlorotoluene
Concen: 18.113 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

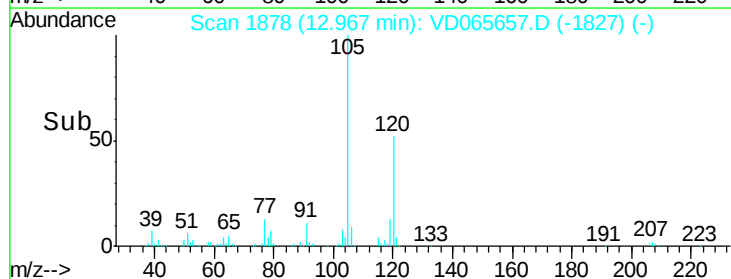
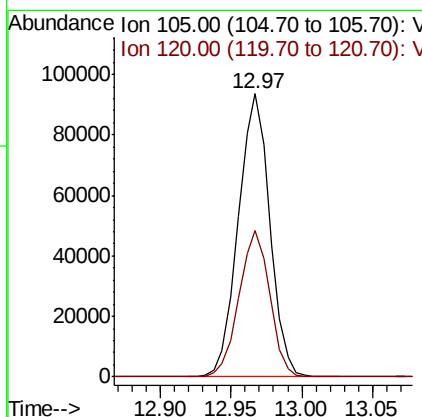
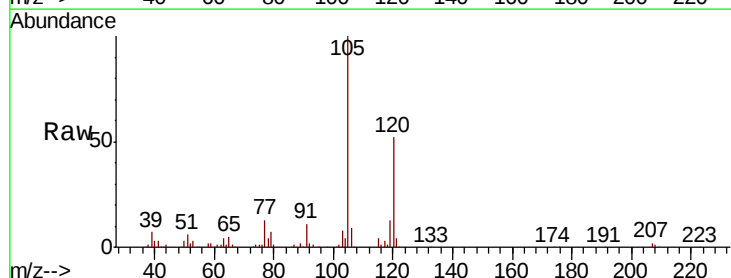
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

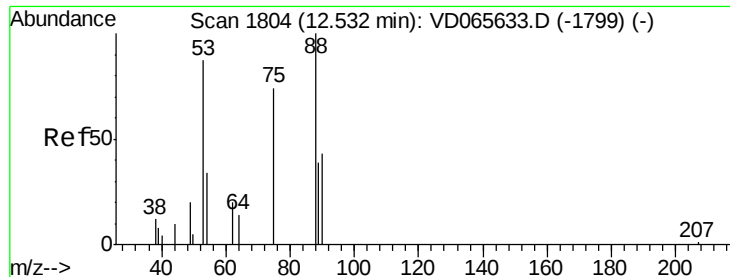
Tot Ion: 91 Resp: 118325
Ion Ratio Lower Upper
91 100
126 34.6 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 18.185 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion:105 Resp: 145935
Ion Ratio Lower Upper
105 100
120 50.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.584 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

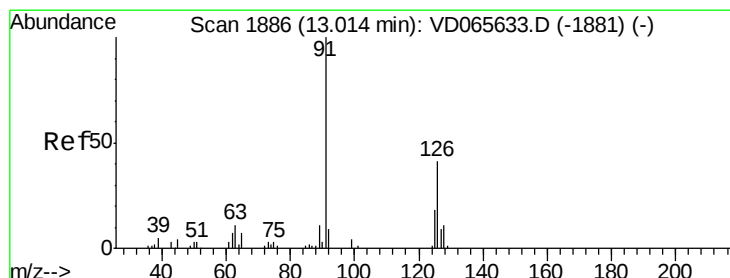
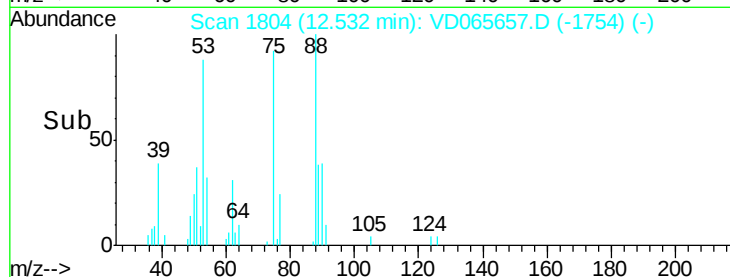
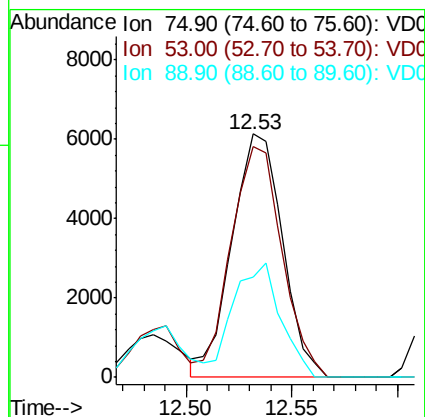
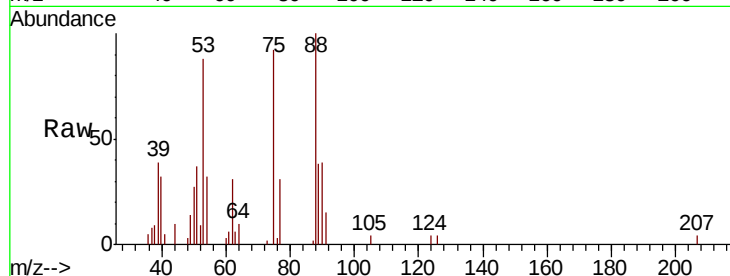
Tot Ion: 75 Resp: 10171

Ion Ratio Lower Upper

75 100

53 96.6 76.8 115.2

89 44.2 36.1 54.1



#82

4-Chlorotoluene

Concen: 18.207 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065657.D

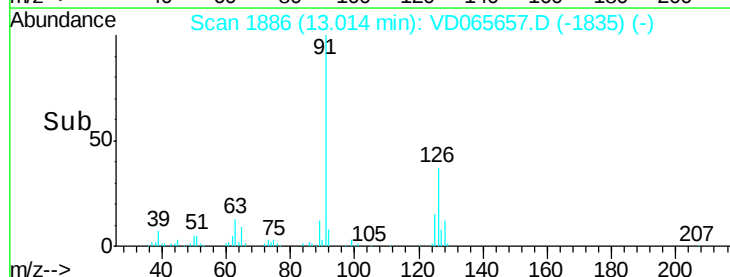
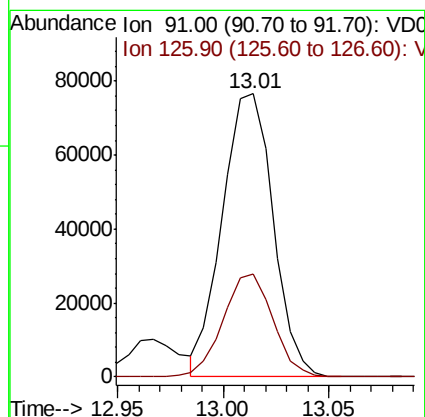
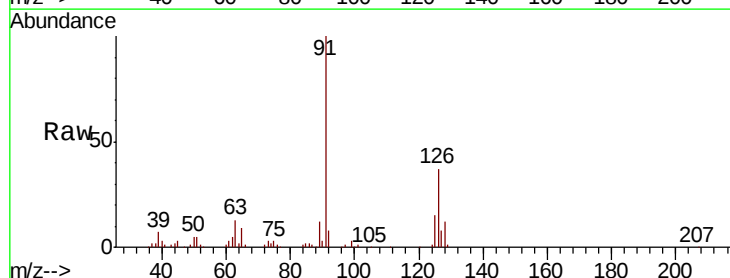
Acq: 17 Apr 2020 21:13

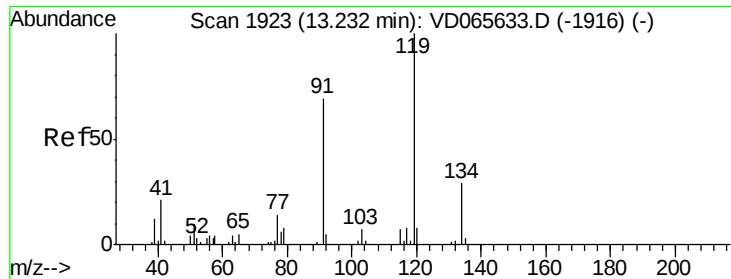
Tgt Ion: 91 Resp: 127992

Ion Ratio Lower Upper

91 100

126 35.8 17.5 52.6

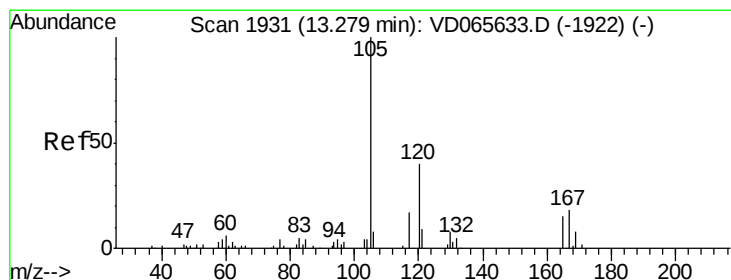
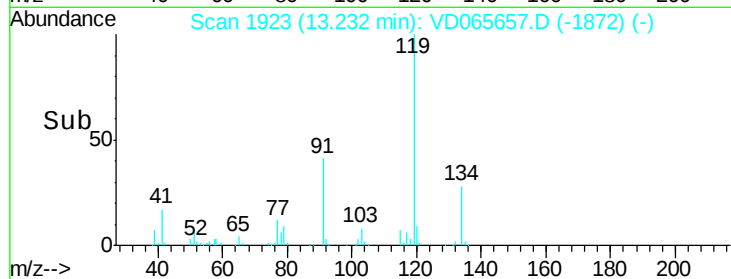
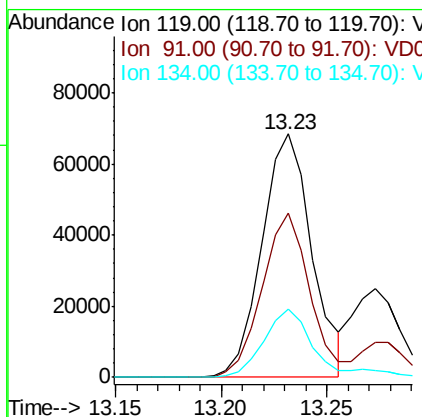
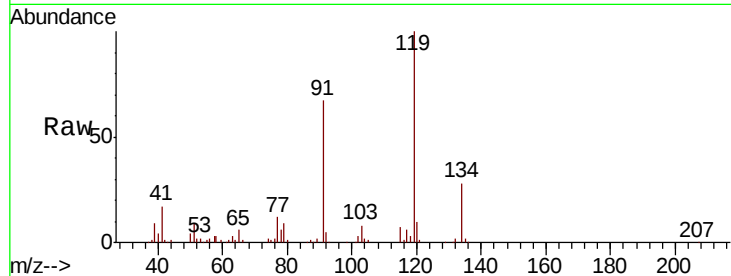




#83
tert-Butylbenzene
Concen: 16.749 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

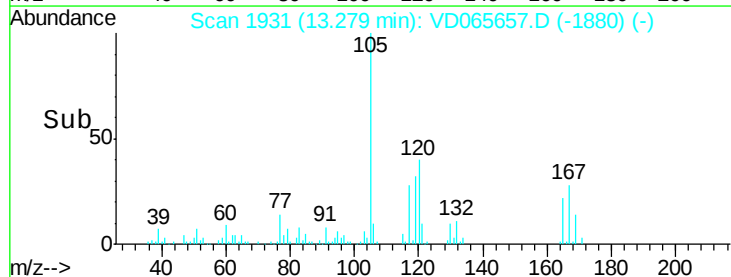
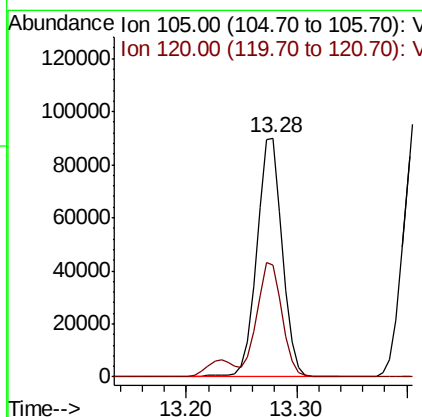
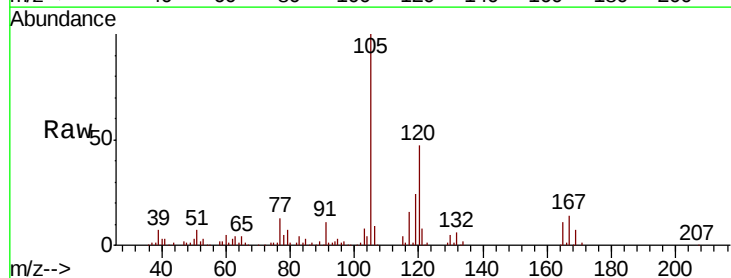
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

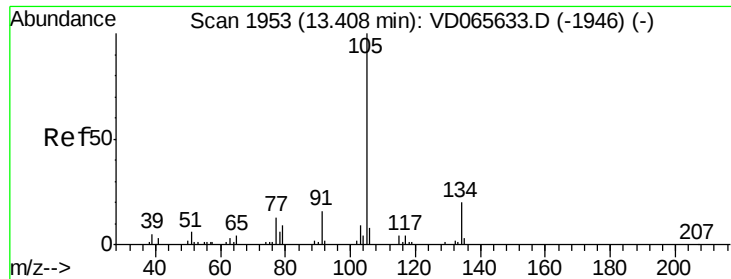
Tot Ion:119 Resp: 112693
Ion Ratio Lower Upper
119 100
91 63.9 31.7 95.1
134 28.8 14.0 41.9



#84
1,2,4-Trimethylbenzene
Concen: 18.170 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion:105 Resp: 145363
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.6





#85

sec-Butylbenzene

Concen: 17.238 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

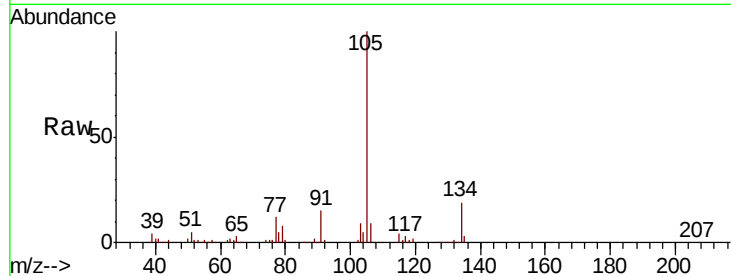
VD0417SBS01

Tot Ion:105 Resp: 165941

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

120000

100000

80000

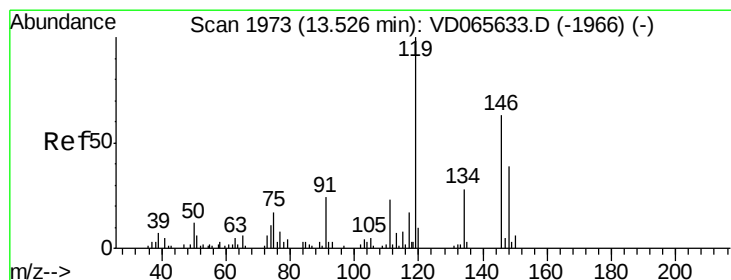
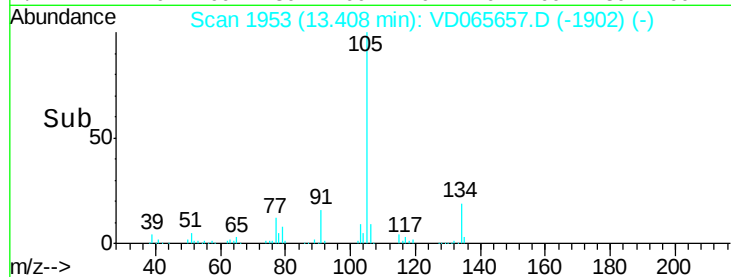
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.111 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

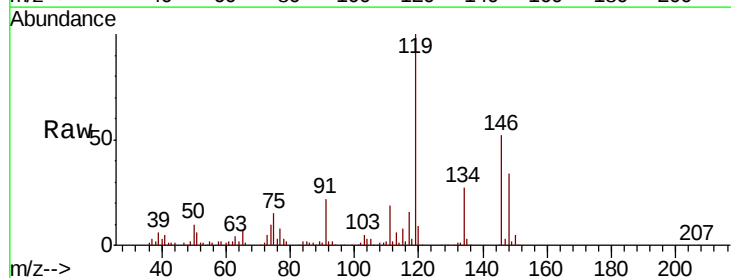
Tgt Ion:119 Resp: 154581

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.7 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

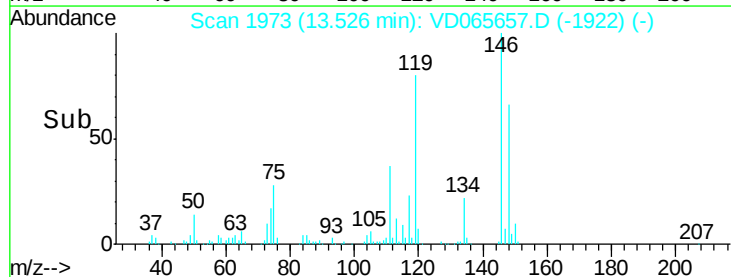
13.53

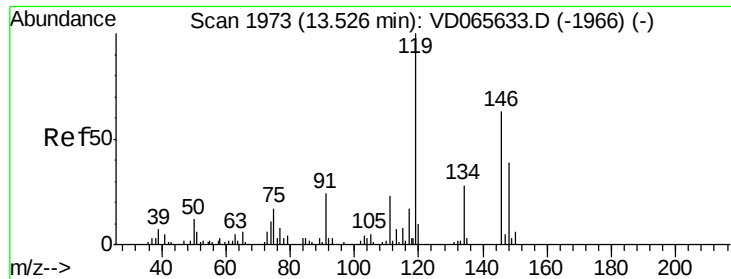
100000

50000

0

Time-->

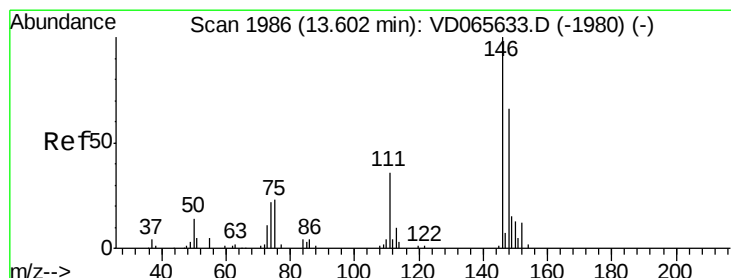
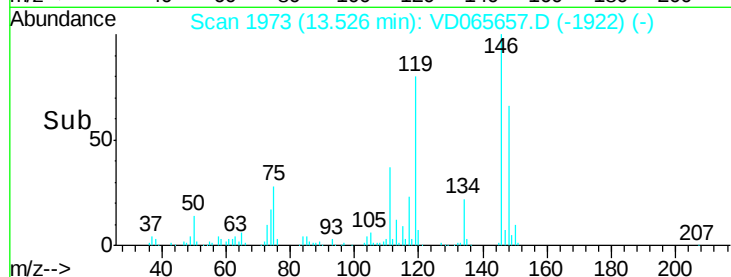
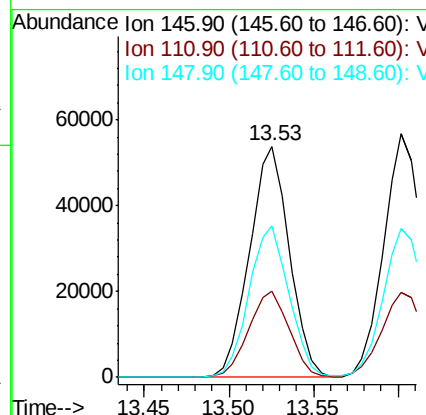
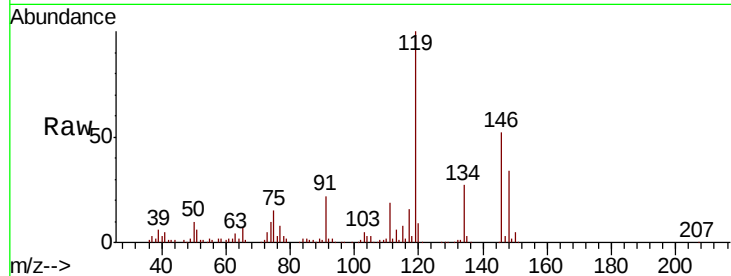




#87
 1,3-Dichlorobenzene
 Concen: 17.892 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

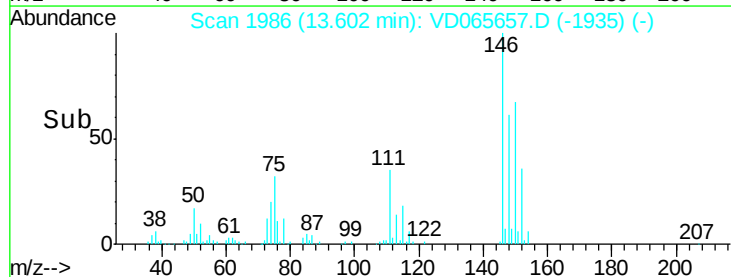
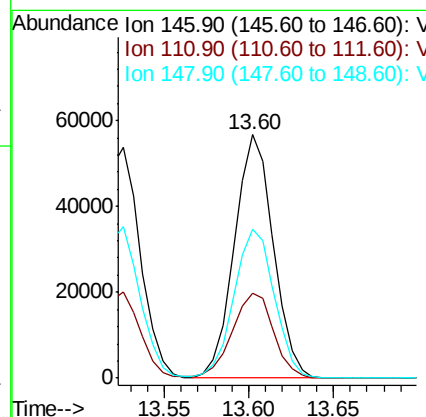
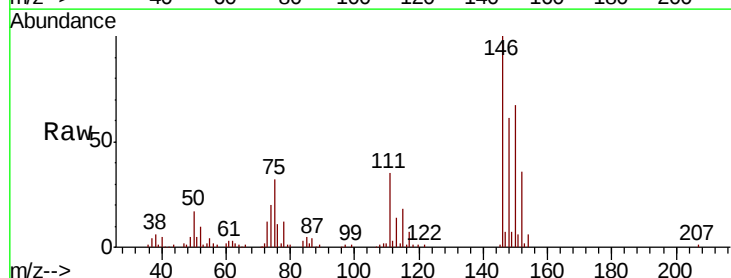
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBSD01

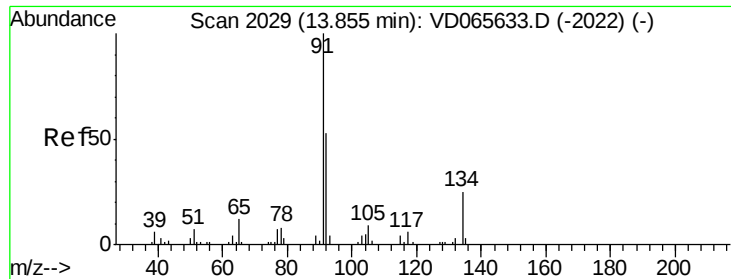
Tot Ion:146 Resp: 88464
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.6
 148 65.7 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 18.484 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion:146 Resp: 90961
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.0 54.0
 148 63.5 31.4 94.2

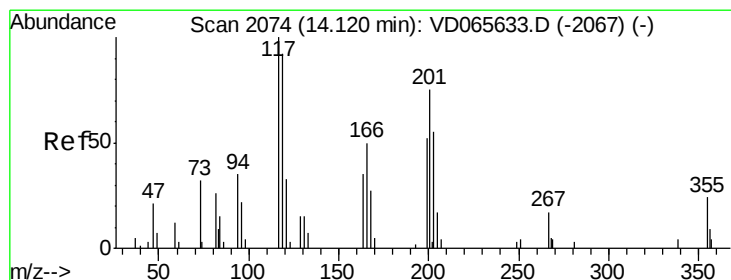
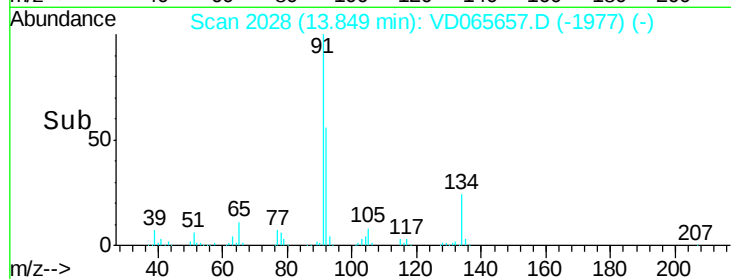
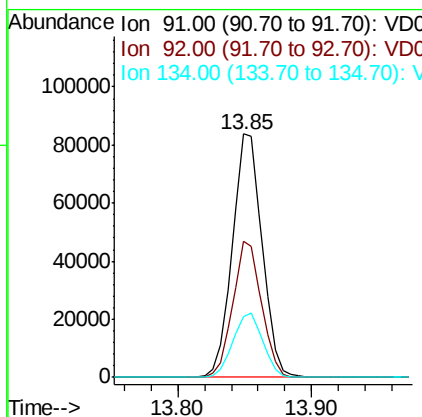
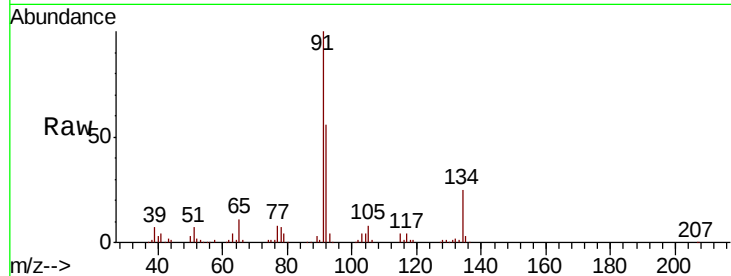




#89
n-Butylbenzene
Concen: 15.891 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

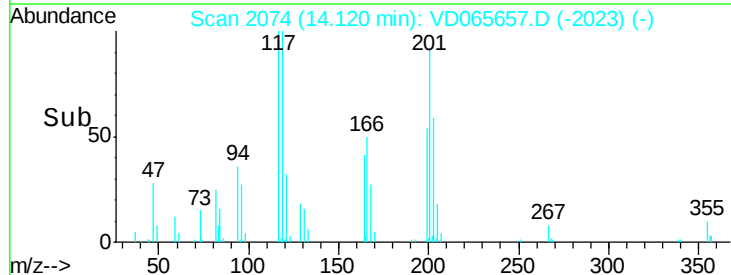
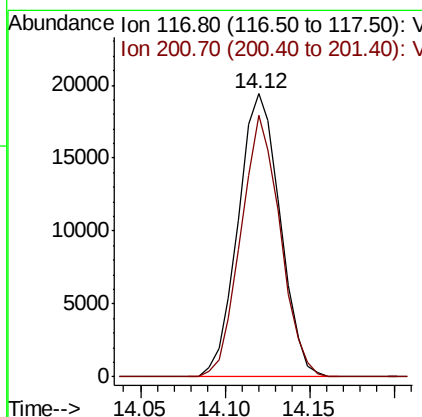
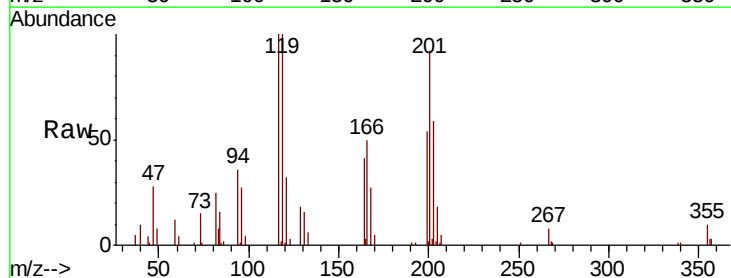
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

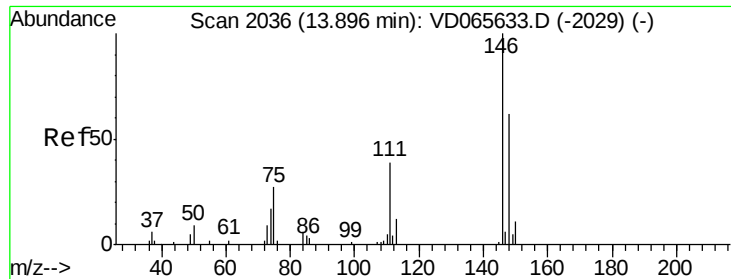
Tot Ion: 91 Resp: 130298
Ion Ratio Lower Upper
91 100
92 53.8 26.9 80.6
134 26.4 13.6 40.8



#90
Hexachloroethane
Concen: 17.732 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion: 117 Resp: 33596
Ion Ratio Lower Upper
117 100
201 86.7 44.9 134.7

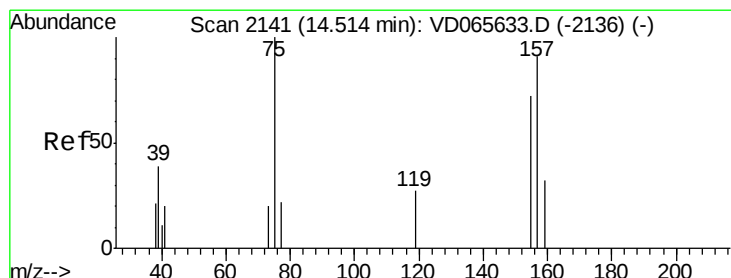
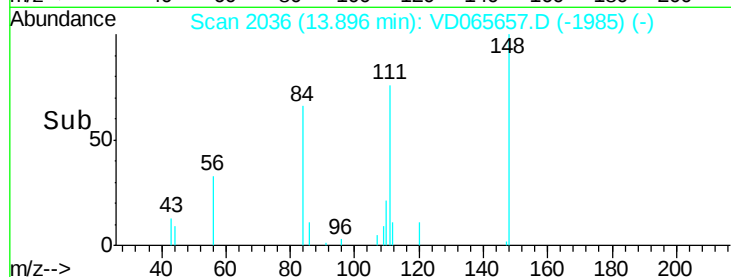
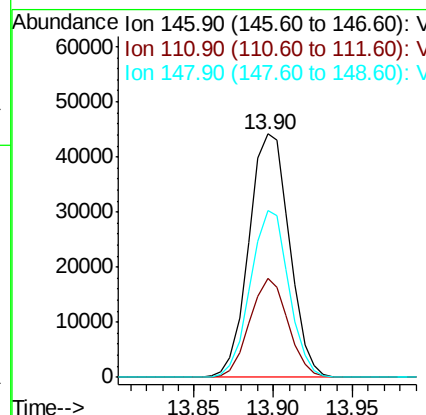
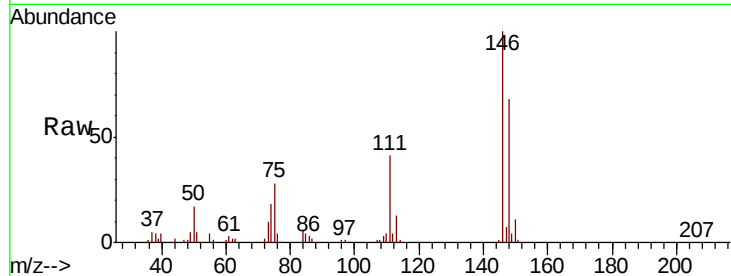




#91
 1,2-Dichlorobenzene
 Concen: 18.512 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

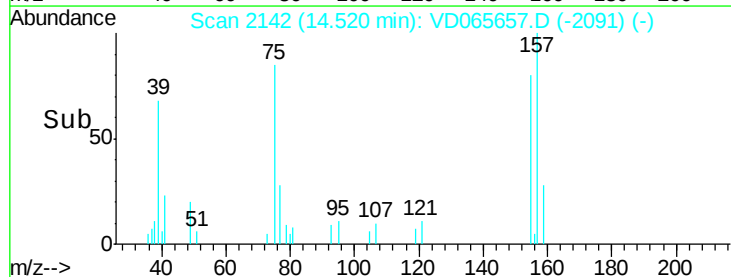
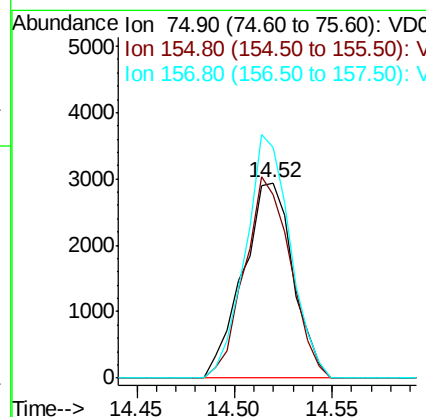
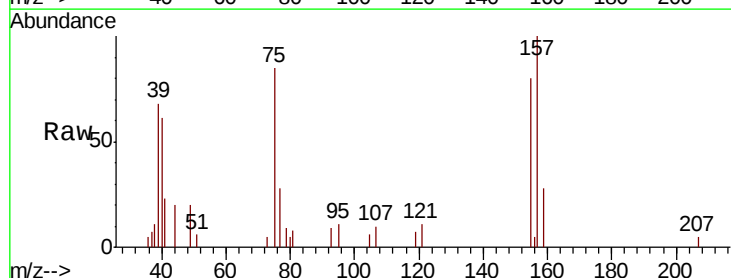
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

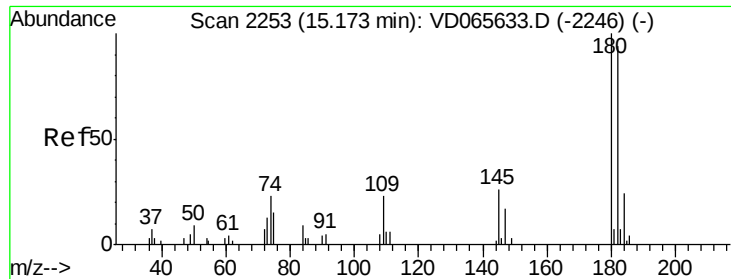
Tot Ion:146 Resp: 78478
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.9
 148 64.9 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.025 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion: 75 Resp: 5229
 Ion Ratio Lower Upper
 75 100
 155 94.1 48.0 144.2
 157 110.9 59.2 177.6

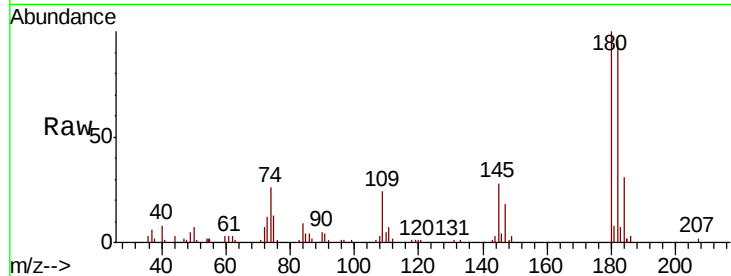




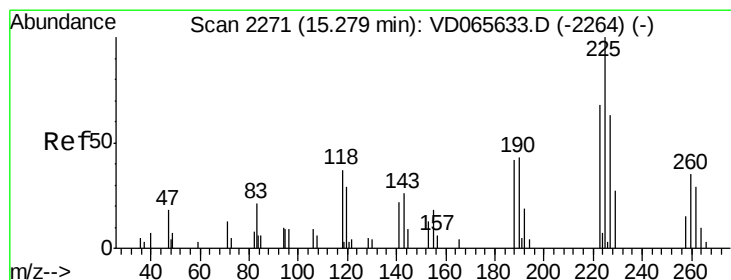
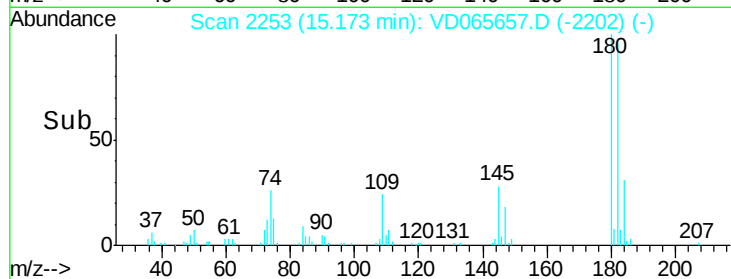
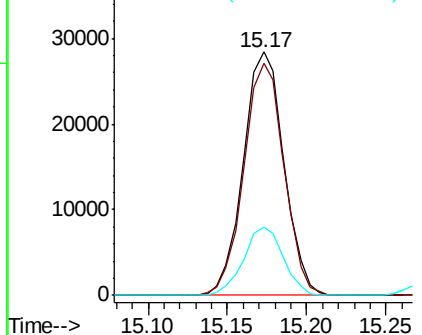
#93
 1,2,4-Trichlorobenzene
 Concen: 17.356 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion:180 Resp: 50608
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.9 146.6
 145 27.4 13.8 41.3

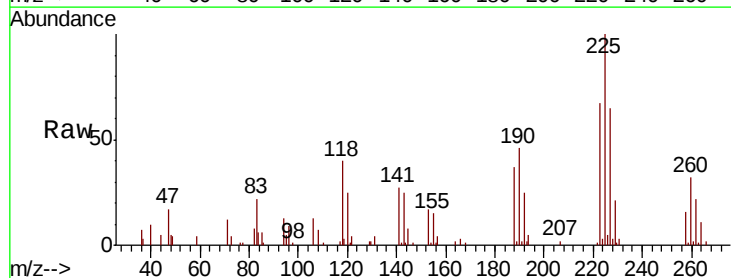


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

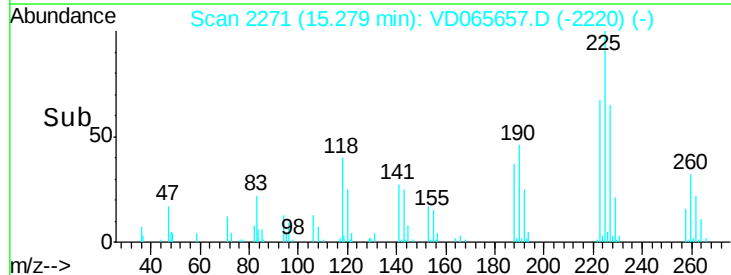
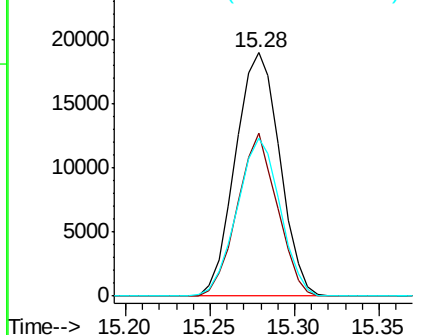


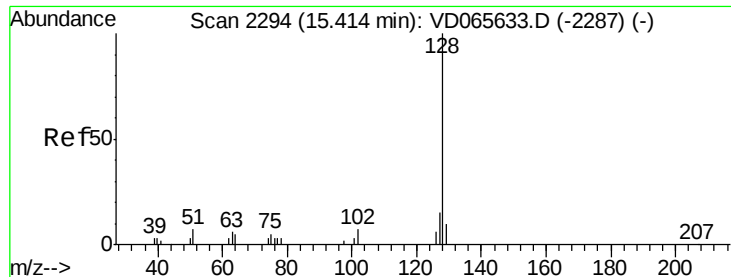
#94
 Hexachlorobutadiene
 Concen: 17.281 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion:225 Resp: 34550
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.9 95.5
 227 63.0 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

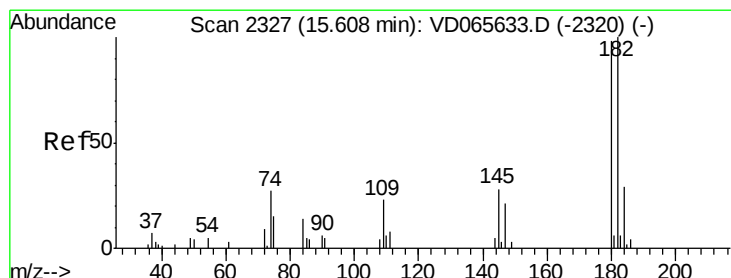
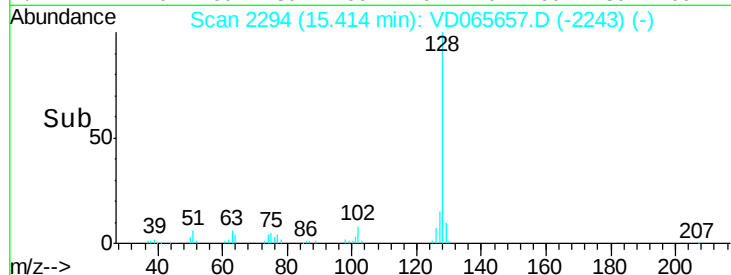
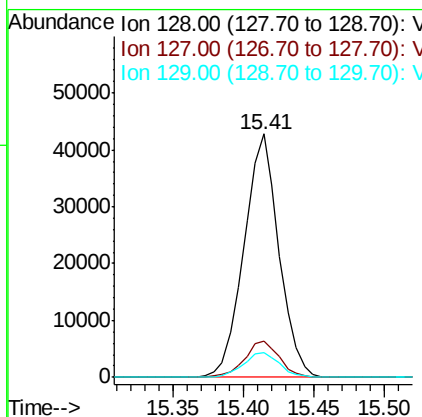
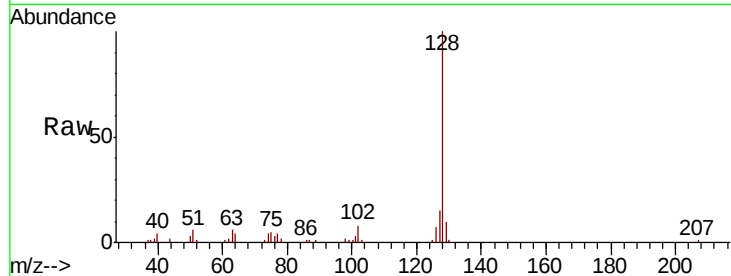




#95
Naphthalene
Concen: 17.694 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion:128 Resp: 73975
Ion Ratio Lower Upper
128 100
127 14.8 10.6 16.0
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.958 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion:180 Resp: 46198
Ion Ratio Lower Upper
180 100
182 93.6 47.8 143.3
145 29.9 15.0 45.0

