

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065643.D
 Acq On : 17 Apr 2020 14:32
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 06:59:27 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	246565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	353751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	329113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173738	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	98050	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
35) Dibromofluoromethane	7.91	113	99012	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	
50) Toluene-d8	10.34	98	375787	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.64	95	120257	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	36155	17.609	ug/l	98
3) Chloromethane	2.21	50	42149	18.811	ug/l	99
4) Vinyl Chloride	2.35	62	47031	19.320	ug/l	96
5) Bromomethane	2.76	94	27944	21.136	ug/l	98
6) Chloroethane	2.92	64	28066	19.393	ug/l	97
7) Trichlorofluoromethane	3.27	101	66997	19.305	ug/l	97
8) Diethyl Ether	3.70	74	14517	20.365	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	44826	28.334	ug/l	99
10) Methyl Iodide	4.29	142	42278	21.061	ug/l	94
11) Tert butyl alcohol	5.24	59	11837	113.548	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	41444	29.143	ug/l	88
13) Acrolein	3.93	56	10663	114.868	ug/l	95
14) Allyl chloride	4.71	41	61840	25.921	ug/l	92
15) Acrylonitrile	5.43	53	44756	104.261	ug/l	99
16) Acetone	4.16	43	45540	151.814	ug/l	98
17) Carbon Disulfide	4.40	76	139411	25.594	ug/l	98
18) Methyl Acetate	4.71	43	24050	25.600	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	79820	19.821	ug/l	97
20) Methylene Chloride	4.96	84	50119	26.405	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	47157	20.521	ug/l	97
22) Diisopropyl ether	6.37	45	127928	19.491	ug/l	98
23) Vinyl Acetate	6.31	43	332447	93.929	ug/l	99
24) 1,1-Dichloroethane	6.26	63	80550	19.425	ug/l	99
25) 2-Butanone	7.22	43	56096	100.224	ug/l	98
26) 2,2-Dichloropropane	7.20	77	72114	19.952	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	48006	18.831	ug/l	98
28) Bromochloromethane	7.54	49	33227	20.063	ug/l	98
29) Tetrahydrofuran	7.57	42	35034	98.650	ug/l	98
30) Chloroform	7.71	83	82362	19.406	ug/l	99
31) Cyclohexane	7.98	56	74449	18.847	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	75648	19.824	ug/l	98
36) 1,1-Dichloropropene	8.11	75	66479	19.462	ug/l	98
37) Ethyl Acetate	7.29	43	26622	19.544	ug/l	99
38) Carbon Tetrachloride	8.10	117	72336	19.770	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73139	18.400	ug/l	98
40) Benzene	8.35	78	182841	18.618	ug/l	99
41) Methacrylonitrile	7.53	41	13047	19.338	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	52727	19.590	ug/l	98
43) Isopropyl Acetate	8.46	43	46114	18.799	ug/l	100
44) Trichloroethene	9.11	130	52715	19.175	ug/l	99
45) 1,2-Dichloropropane	9.39	63	46076	19.117	ug/l	99
46) Dibromomethane	9.48	93	23403	18.776	ug/l	100
47) Bromodichloromethane	9.67	83	62017	18.685	ug/l	97
48) Methyl methacrylate	9.46	41	21860	17.805	ug/l	93
49) 1,4-Dioxane	9.47	88	5588	387.228	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	117791	92.354	ug/l	98
52) Toluene	10.40	92	120180	19.851	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	57667	18.922	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	65829	17.848	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	33829	19.189	ug/l	98
56) Ethyl methacrylate	10.66	69	34747	18.129	ug/l	98
57) 1,3-Dichloropropane	10.95	76	56669	18.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	92705	95.504	ug/l	99
59) 2-Hexanone	10.99	43	83531	95.214	ug/l	99
60) Dibromochloromethane	11.14	129	44870	19.324	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32107	18.927	ug/l	99
64) Tetrachloroethene	10.87	164	45506	19.270	ug/l	97
65) Chlorobenzene	11.67	112	126881	19.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	49478	19.860	ug/l	99
67) Ethyl Benzene	11.75	91	216813	19.469	ug/l	100
68) m/p-Xylenes	11.86	106	173488	40.325	ug/l	98
69) o-Xylene	12.18	106	69708	18.466	ug/l	97
70) Styrene	12.20	104	129813	19.428	ug/l	100
71) Bromoform	12.36	173	25592	18.285	ug/l #	97
73) Isopropylbenzene	12.48	105	197855	18.882	ug/l	100
74) N-amyl acetate	12.29	43	39278	17.907	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	37512	19.716	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	47482	33.991	ug/l #	100
77) Bromobenzene	12.77	156	54090	19.438	ug/l	98
78) n-propylbenzene	12.83	91	250393	19.753	ug/l	100
79) 2-Chlorotoluene	12.91	91	140334	19.494	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	172001	19.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11312	17.748	ug/l	94
82) 4-Chlorotoluene	13.01	91	153039	19.756	ug/l	99
83) tert-Butylbenzene	13.23	119	140222	18.912	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	174406	19.783	ug/l	99
85) sec-Butylbenzene	13.41	105	204544	19.283	ug/l	99
86) p-Isopropyltoluene	13.53	119	189032	18.988	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	104105	19.108	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	103853	19.151	ug/l	99
89) n-Butylbenzene	13.86	91	166480	18.426	ug/l	100
90) Hexachloroethane	14.12	117	40902	19.591	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	85704	18.346	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5779	20.084	ug/l	91

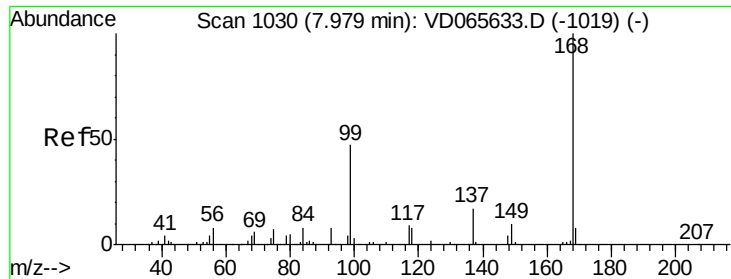
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	55342	17.224	ug/l	99
94) Hexachlorobutadiene	15.27	225	39160	17.775	ug/l	100
95) Naphthalene	15.41	128	84753	18.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	53031	18.707	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

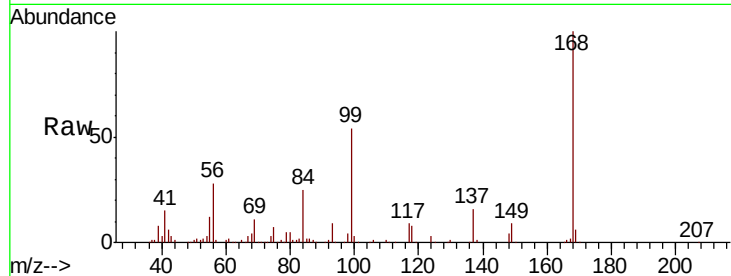
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 246565

Ion Ratio Lower Upper

168 100

99 53.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

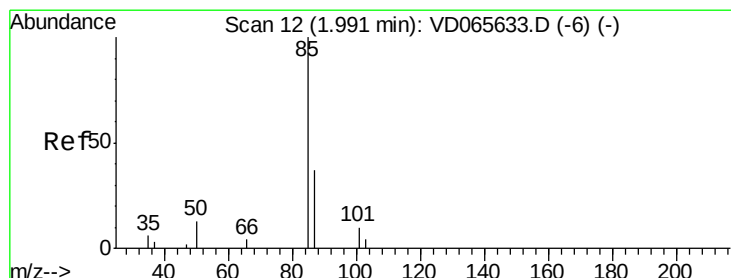
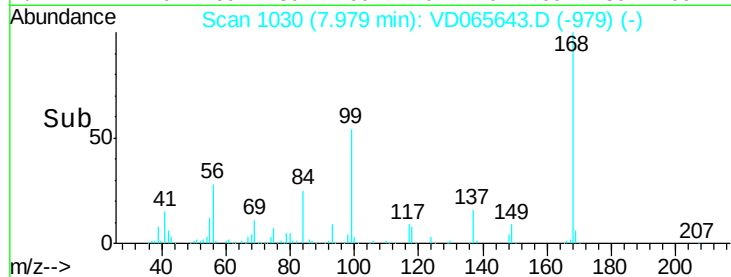
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.609 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065643.D

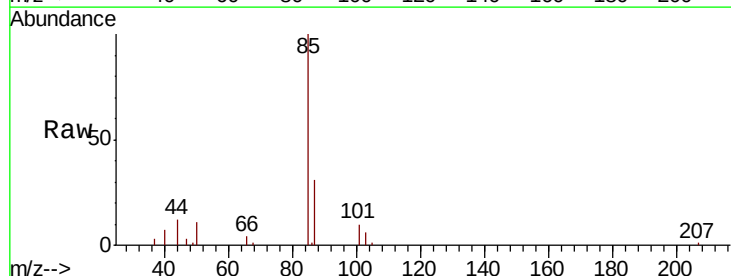
Acq: 17 Apr 2020 14:32

Tgt Ion: 85 Resp: 36155

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

30000

25000

20000

15000

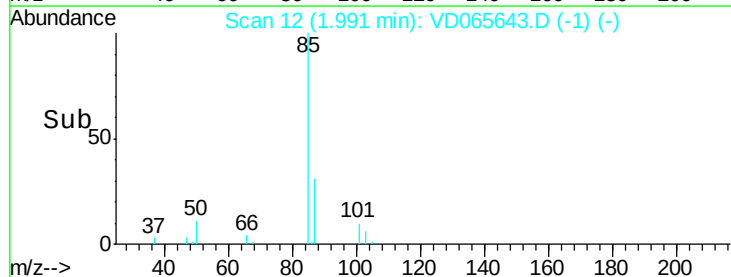
10000

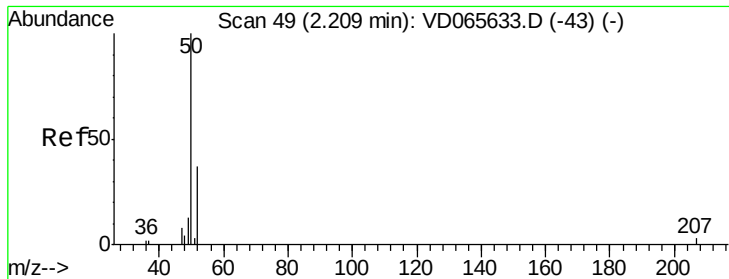
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.811 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

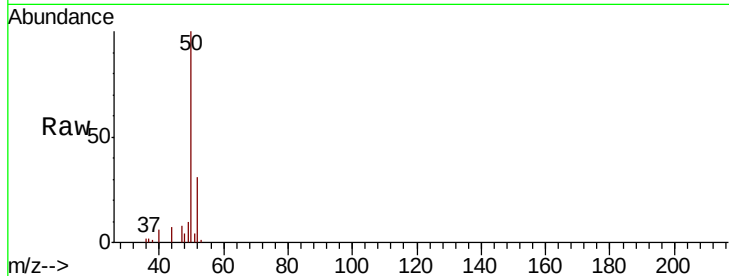
ClientSampleId :

Tot Ion: 50 Resp: 42149

Ion Ratio Lower Upper

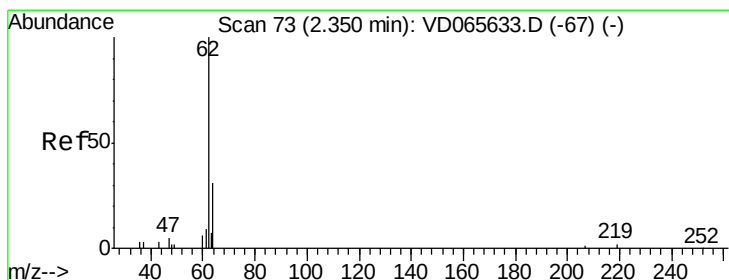
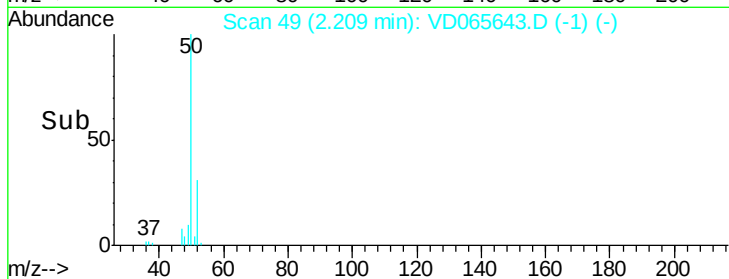
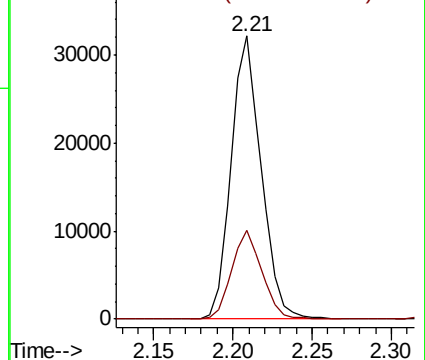
50 100

52 31.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.320 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065643.D

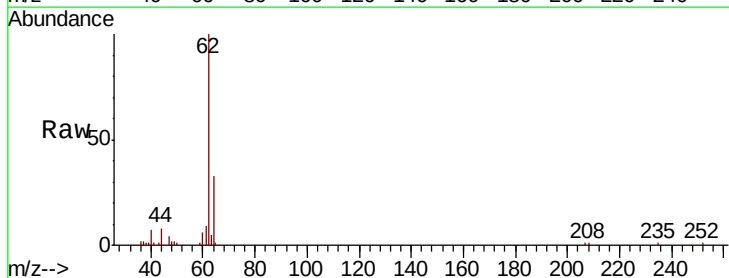
Acq: 17 Apr 2020 14:32

Tgt Ion: 62 Resp: 47031

Ion Ratio Lower Upper

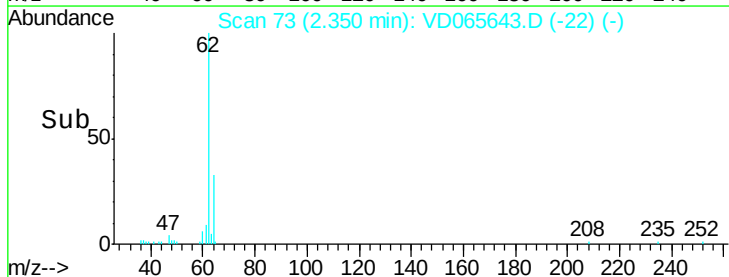
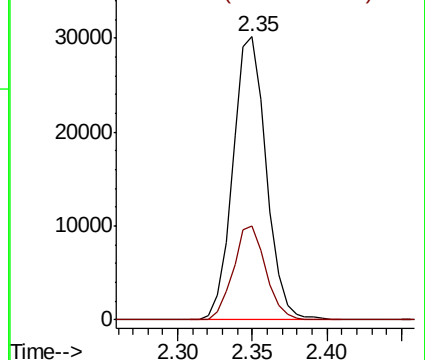
62 100

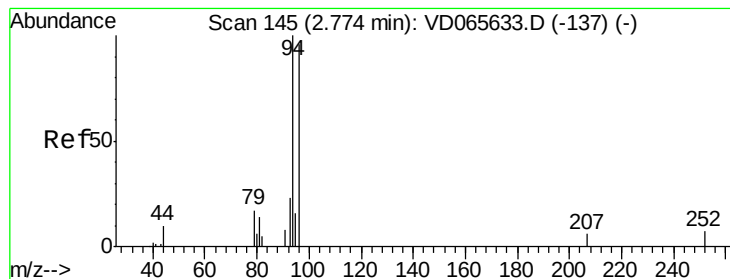
64 33.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.136 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

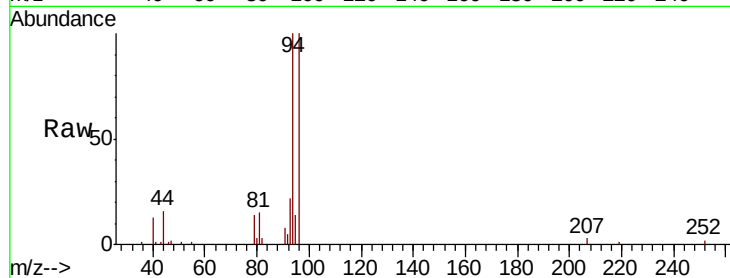
ClientSampled :

Tot Ion: 94 Resp: 27944

Ion Ratio Lower Upper

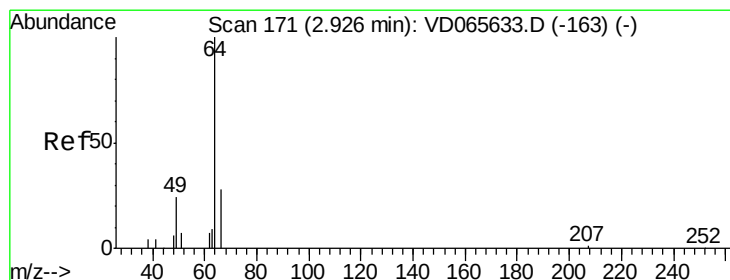
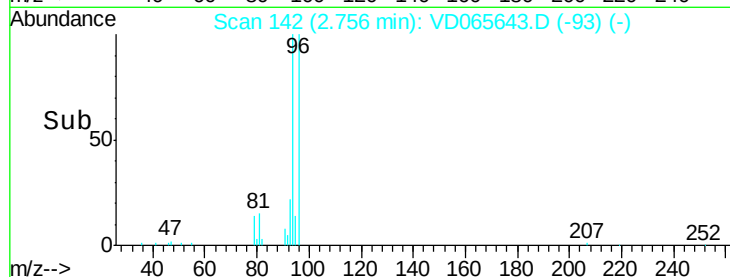
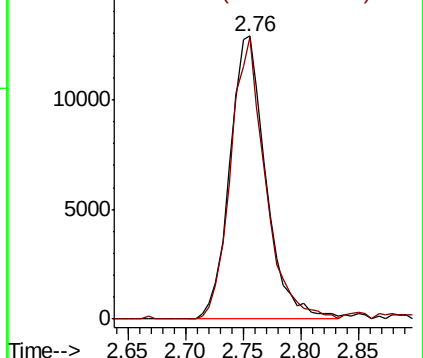
94 100

96 99.7 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: 19.393 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD065643.D

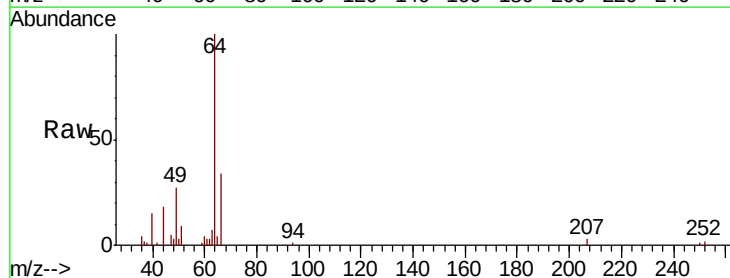
Acq: 17 Apr 2020 14:32

Tgt Ion: 64 Resp: 28066

Ion Ratio Lower Upper

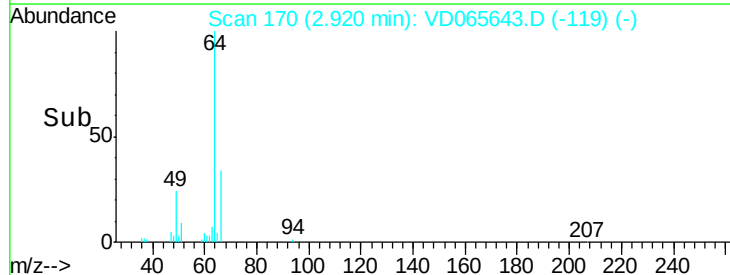
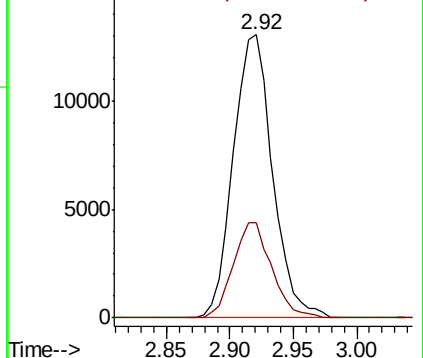
64 100

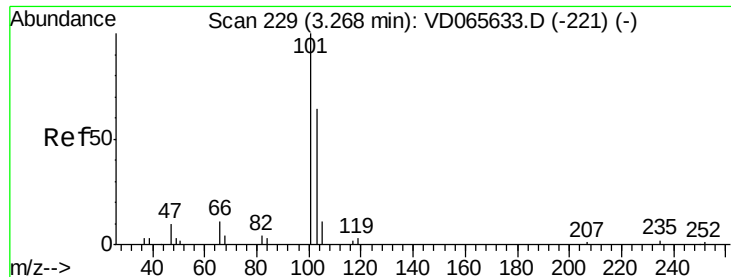
66 33.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 19.305 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

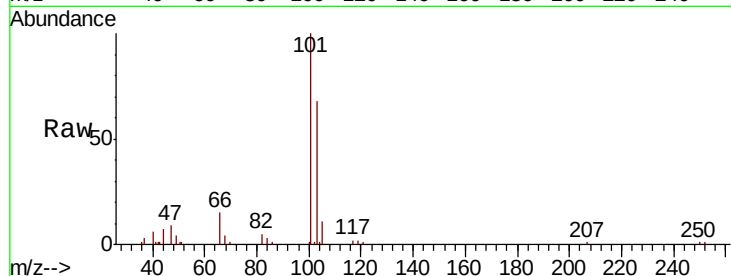
ClientSampleId :

Tot Ion:101 Resp: 66997

Ion Ratio Lower Upper

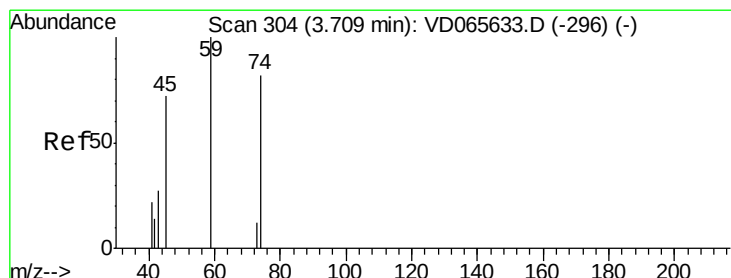
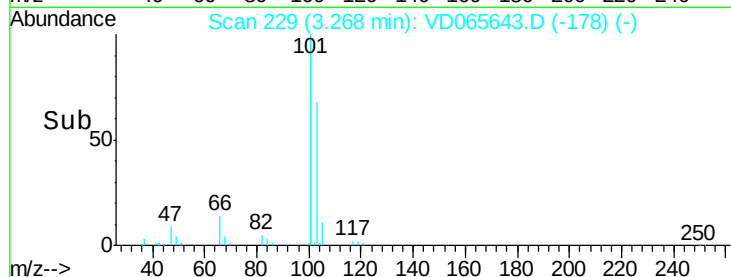
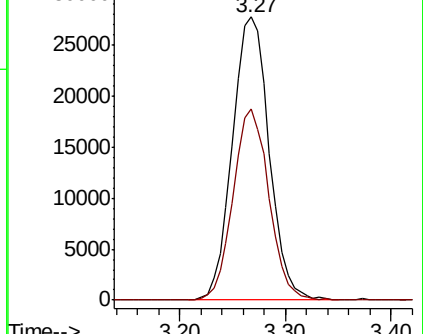
101 100

103 67.6 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.365 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065643.D

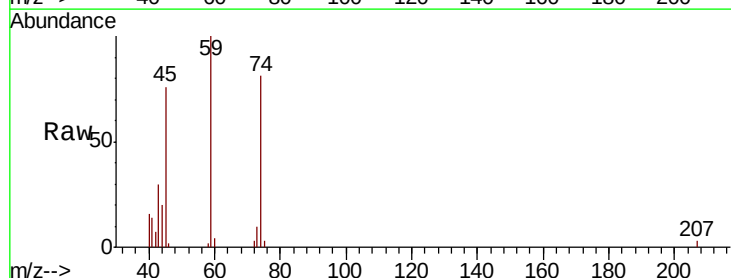
Acq: 17 Apr 2020 14:32

Tgt Ion: 74 Resp: 14517

Ion Ratio Lower Upper

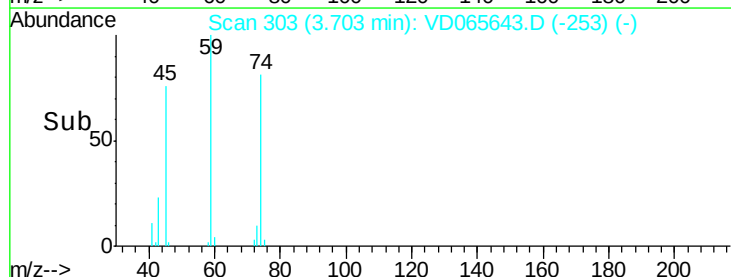
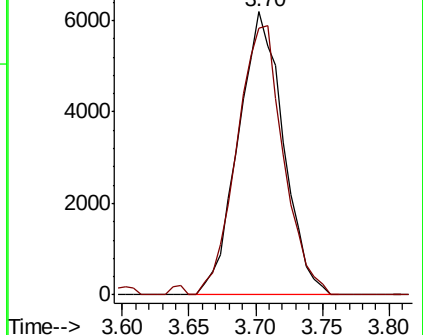
74 100

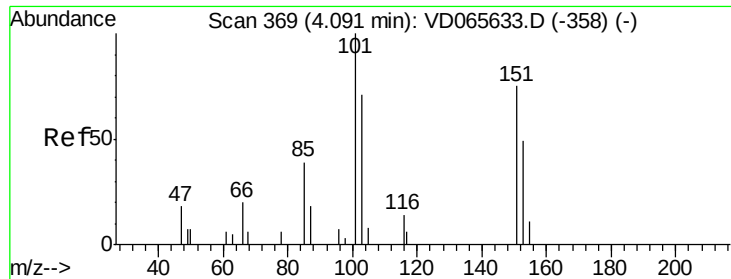
45 97.9 49.9 149.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.334 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

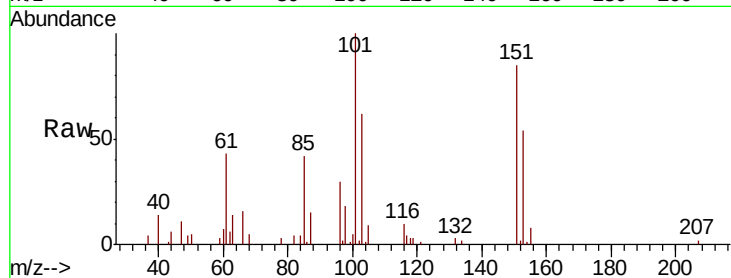
Tot Ion:101 Resp: 44826

Ion Ratio Lower Upper

101 100

85 42.9 36.2 54.2

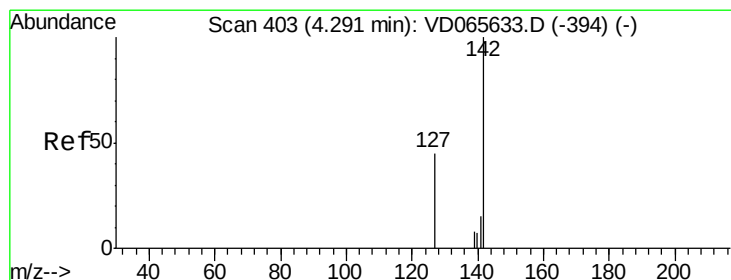
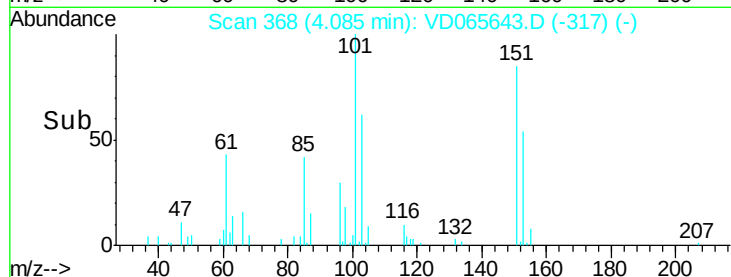
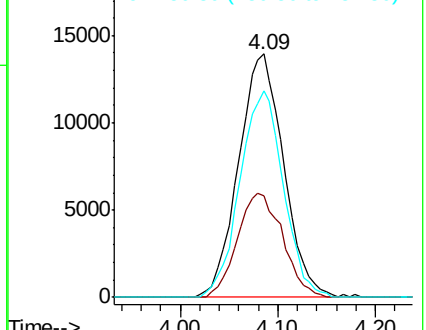
151 82.0 65.6 98.4



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: 21.061 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

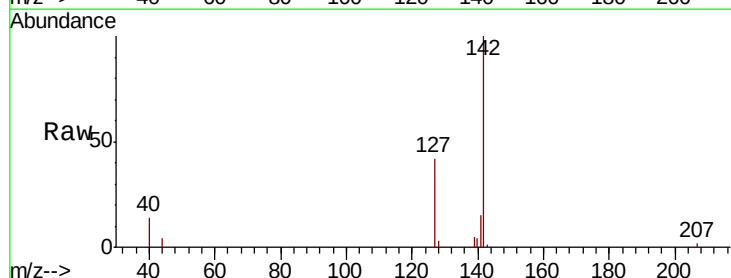
Tgt Ion:142 Resp: 42278

Ion Ratio Lower Upper

142 100

127 42.1 38.1 57.1

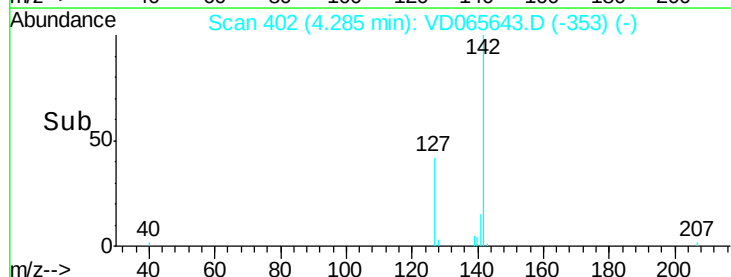
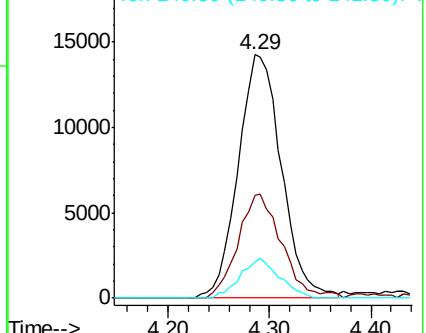
141 14.8 12.1 18.1

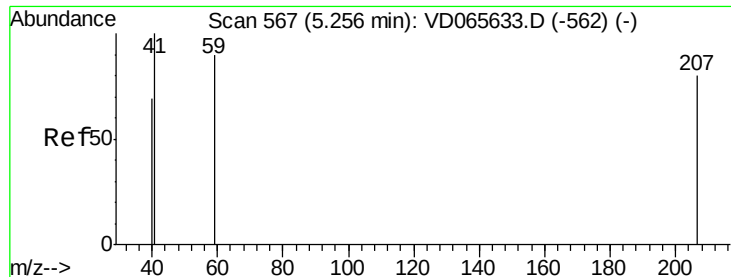


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

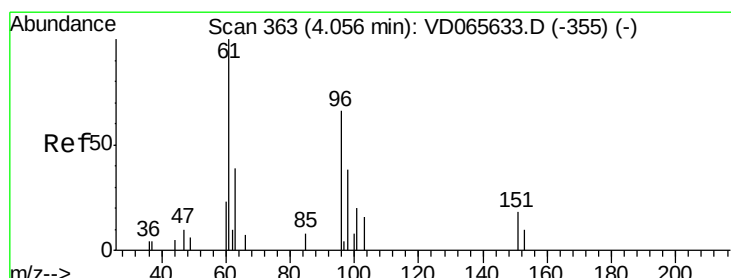
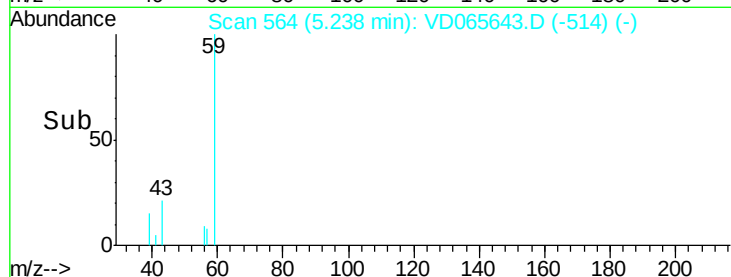
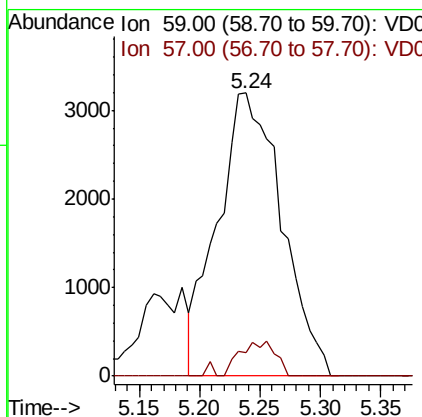
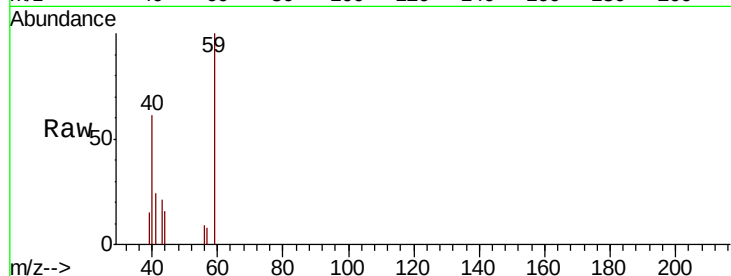




#11
Tert butyl alcohol
Concen: 113.548 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

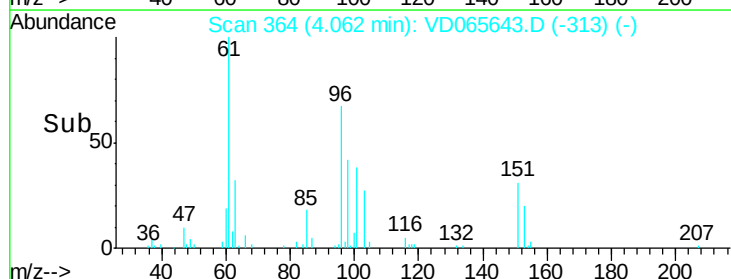
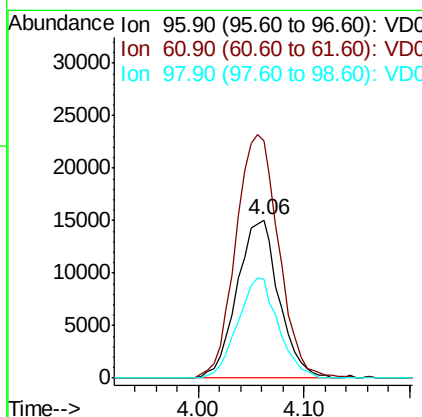
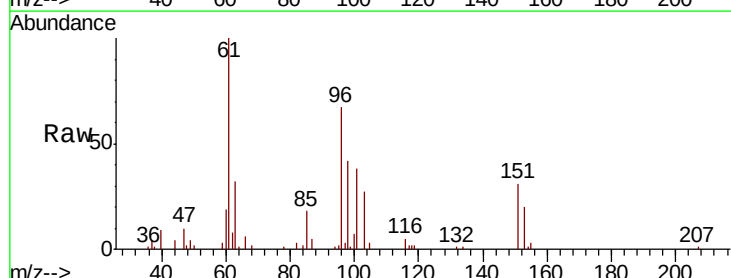
Instrument :
MSVOA_D
ClientSampleId :

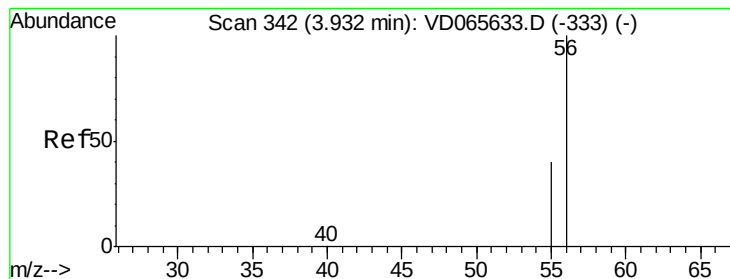
Tot Ion: 59 Resp: 11837
Ion Ratio Lower Upper
59 100
57 7.0 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 29.143 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion: 96 Resp: 41444
Ion Ratio Lower Upper
96 100
61 149.7 136.2 204.2
98 62.5 52.2 78.2





#13

Acrolein

Concen: 114.868 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

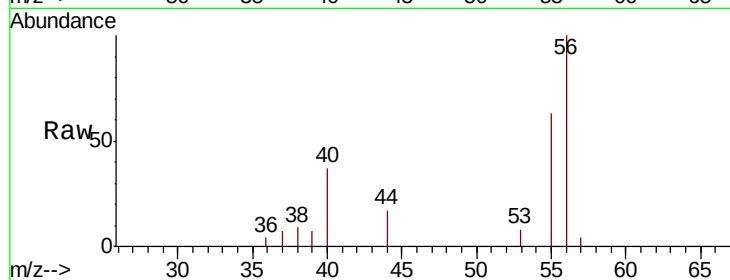
ClientSampleId :

Tot Ion: 56 Resp: 10663

Ion Ratio Lower Upper

56 100

55 68.8 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

4000

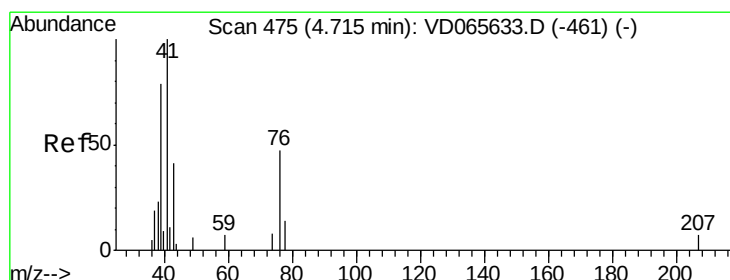
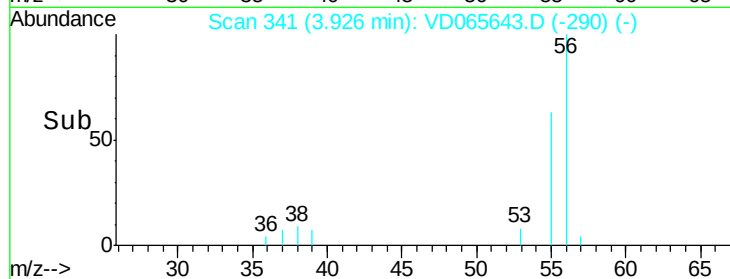
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 25.921 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

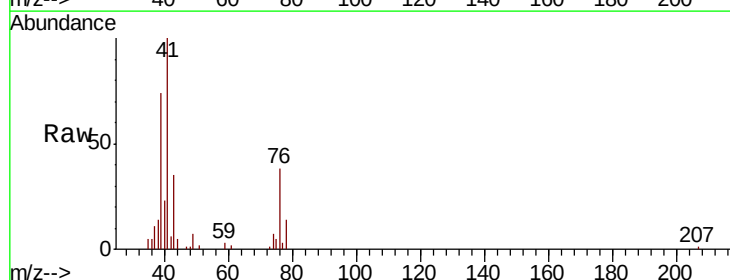
Tgt Ion: 41 Resp: 61840

Ion Ratio Lower Upper

41 100

39 68.4 62.5 93.7

76 37.1 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

4.71

25000

20000

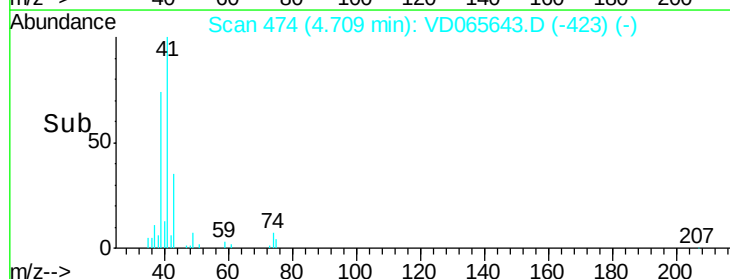
15000

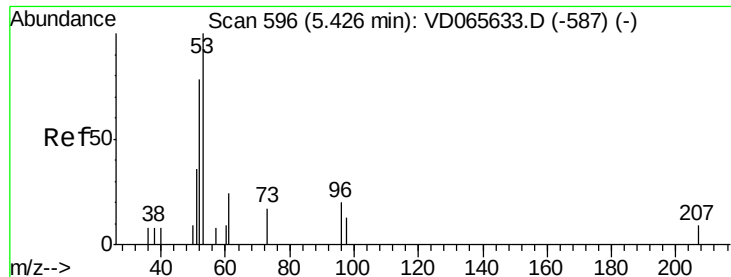
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 104.261 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

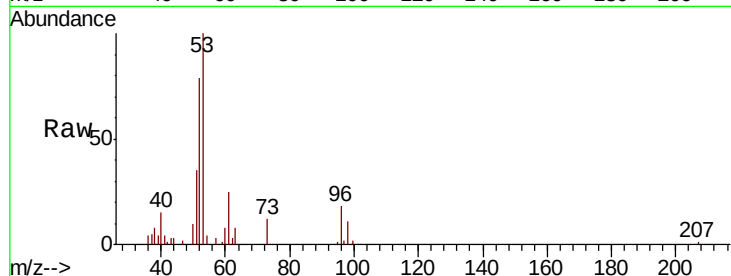
Tot Ion: 53 Resp: 44756

Ion Ratio Lower Upper

53 100

52 82.8 65.8 98.6

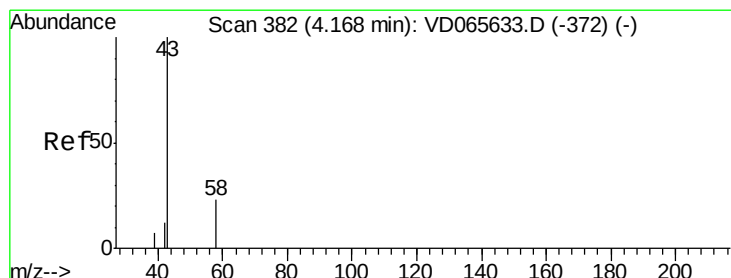
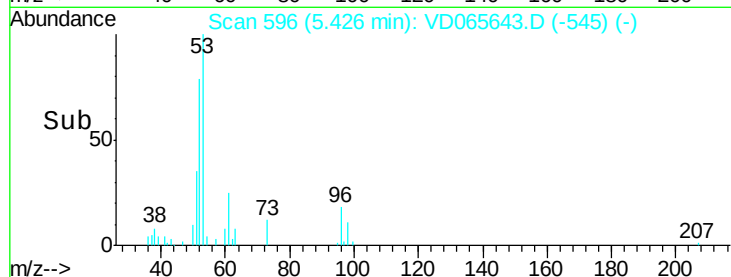
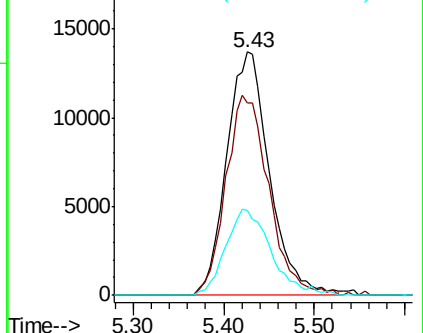
51 37.7 30.9 46.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 151.814 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065643.D

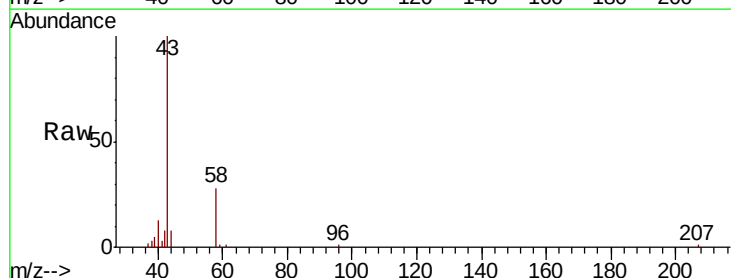
Acq: 17 Apr 2020 14:32

Tgt Ion: 43 Resp: 45540

Ion Ratio Lower Upper

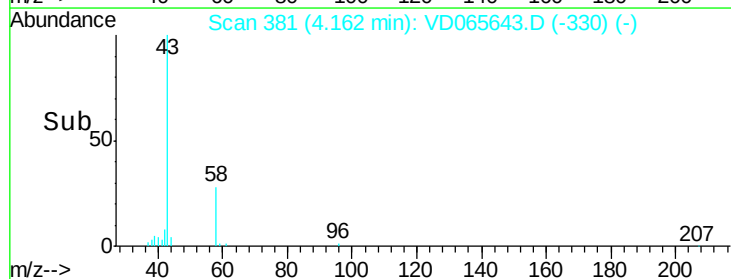
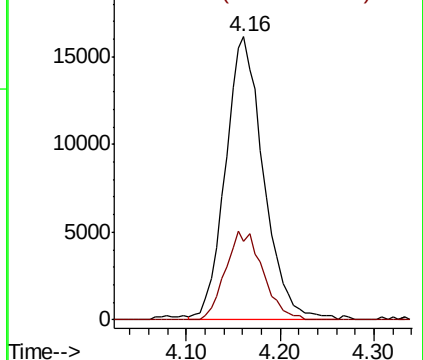
43 100

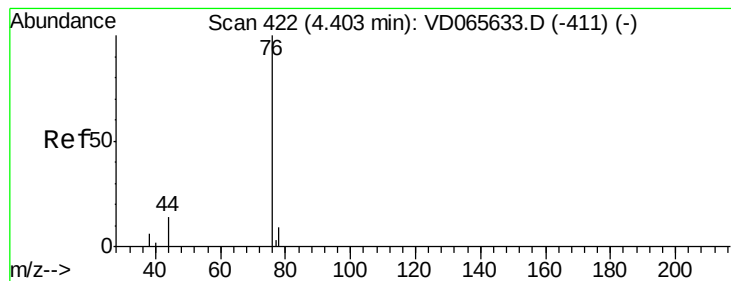
58 27.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 25.594 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

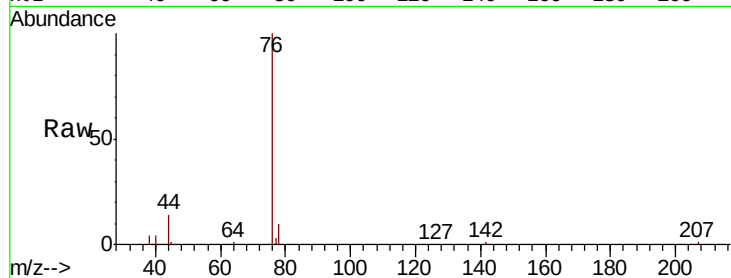
ClientSampleId :

Tot Ion: 76 Resp: 139411

Ion Ratio Lower Upper

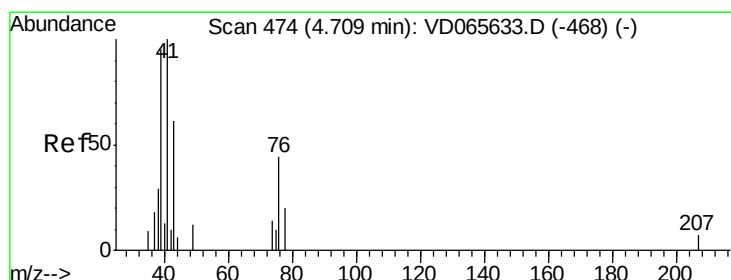
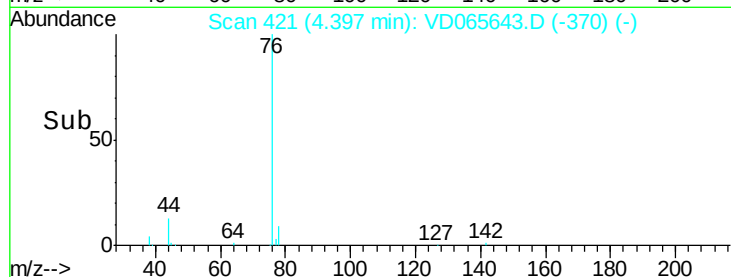
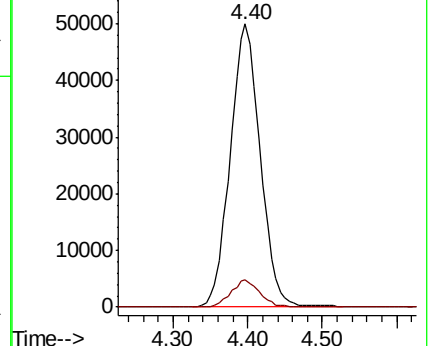
76 100

78 9.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 25.600 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065643.D

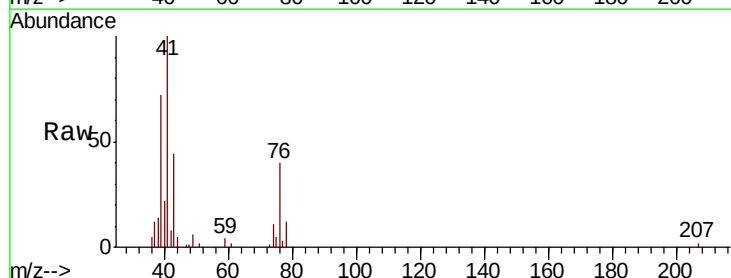
Acq: 17 Apr 2020 14:32

Tgt Ion: 43 Resp: 24050

Ion Ratio Lower Upper

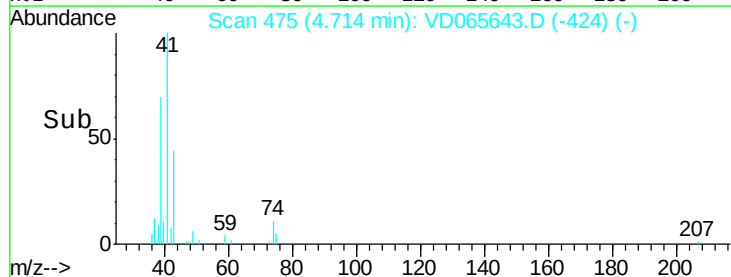
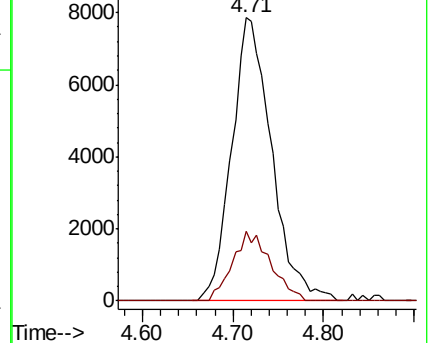
43 100

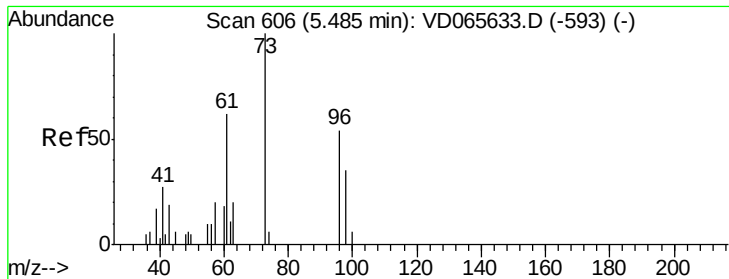
74 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



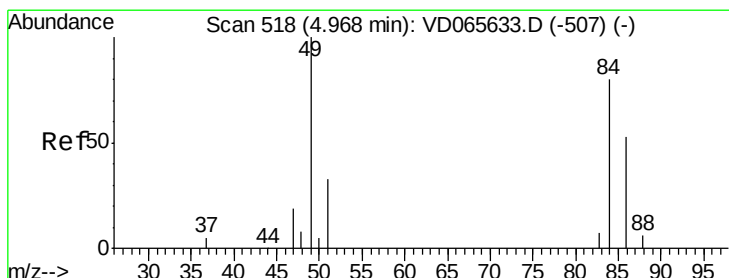
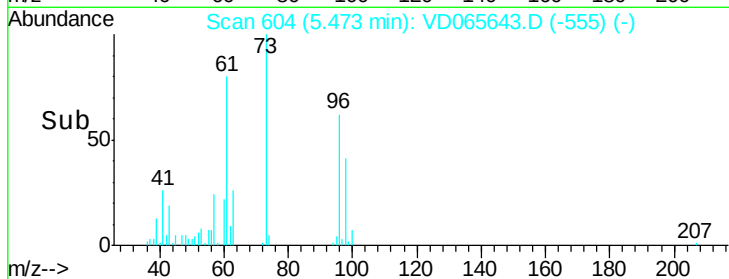
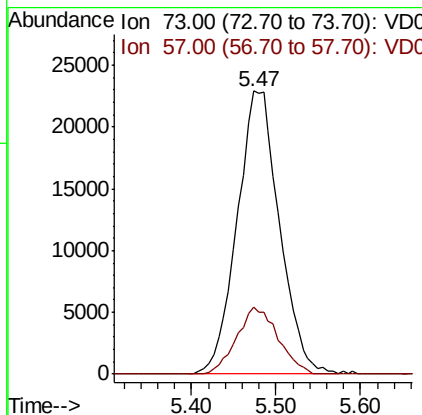
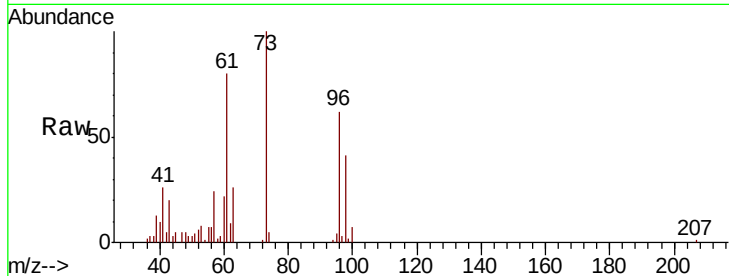


#19

Methyl tert-butyl Ether
 Concen: 19.821 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :

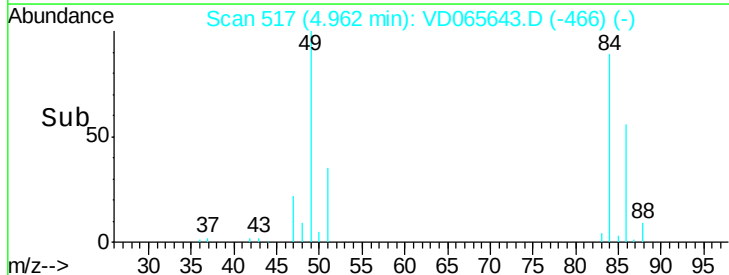
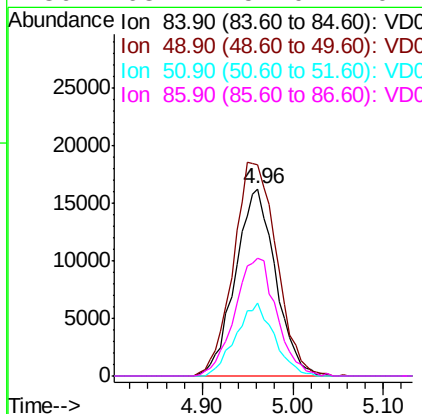
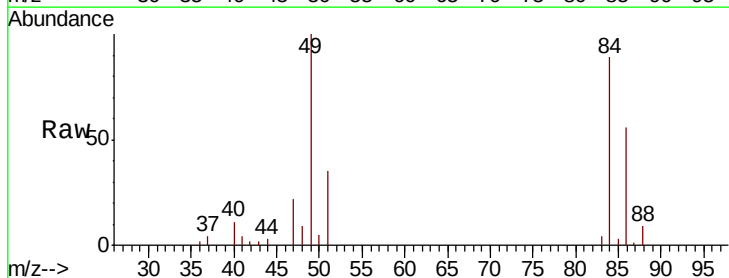
Tot Ion: 73 Resp: 79820
 Ion Ratio Lower Upper
 73 100
 57 23.8 17.8 26.8

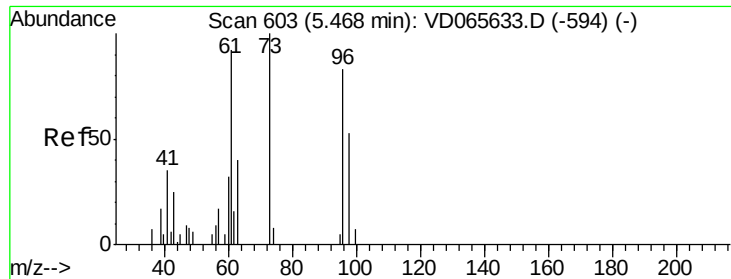


#20

Methylene Chloride
 Concen: 26.405 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Tgt Ion: 84 Resp: 50119
 Ion Ratio Lower Upper
 84 100
 49 112.7 102.0 153.0
 51 38.9 30.8 46.2
 86 63.1 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.521 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampled :

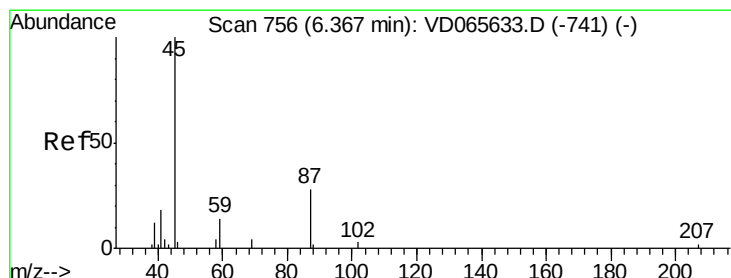
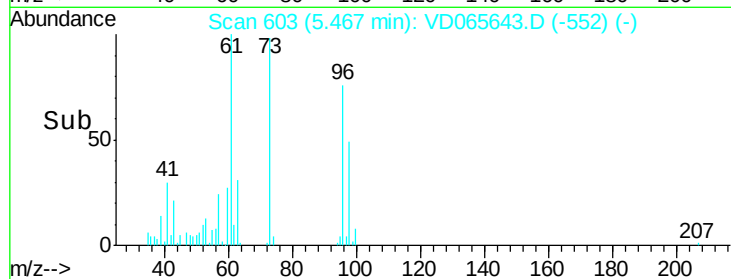
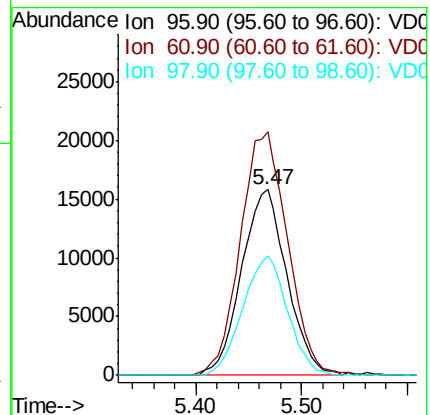
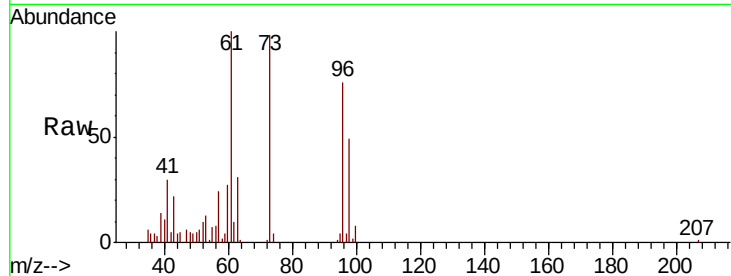
Tot Ion: 96 Resp: 47157

Ion Ratio Lower Upper

96 100

61 131.1 102.6 153.8

98 64.4 49.4 74.0



#22

Diisopropyl ether

Concen: 19.491 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Tgt Ion: 45 Resp: 127928

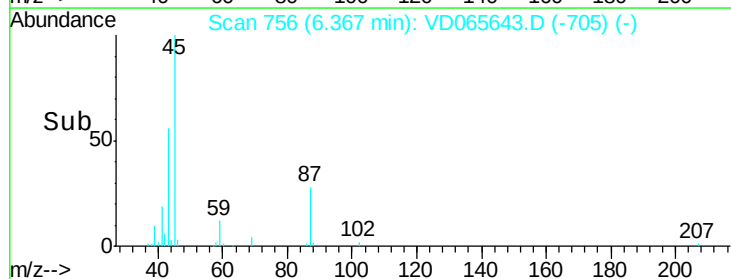
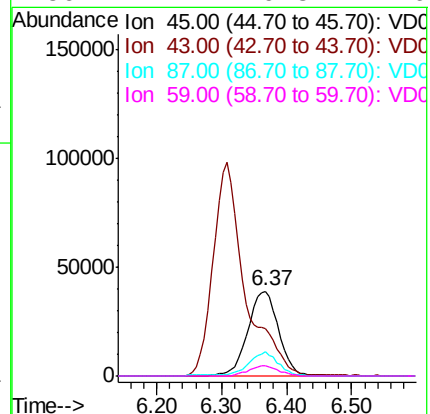
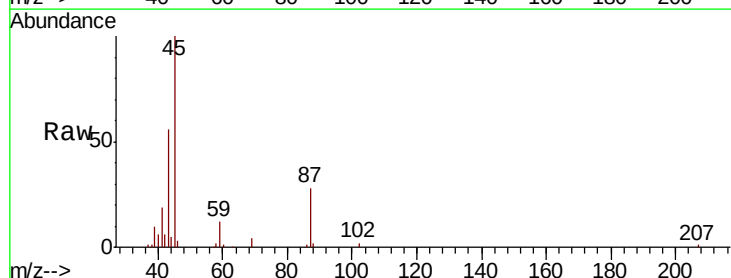
Ion Ratio Lower Upper

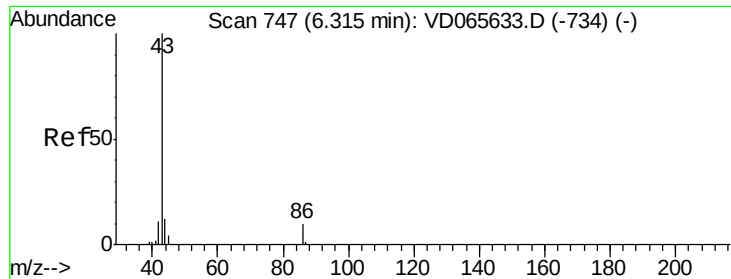
45 100

43 54.9 42.2 63.2

87 28.0 22.1 33.1

59 11.7 9.8 14.6





#23

Vinyl Acetate

Concen: 93.929 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

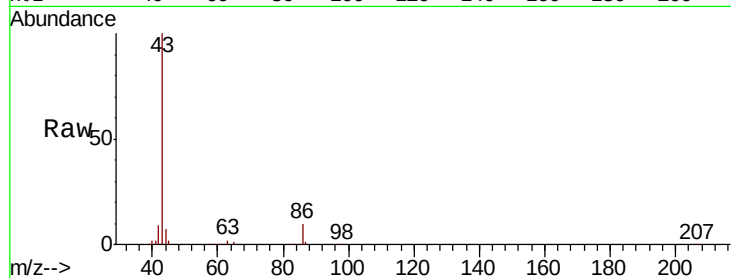
ClientSampled :

Tot Ion: 43 Resp: 332447

Ion Ratio Lower Upper

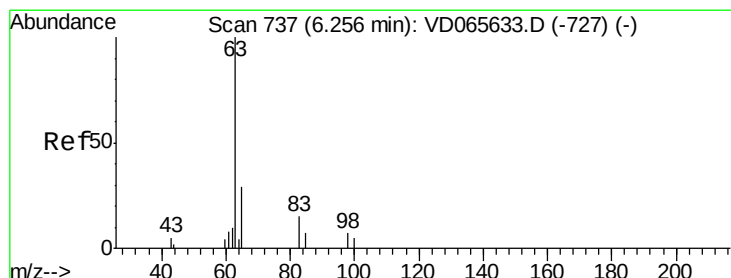
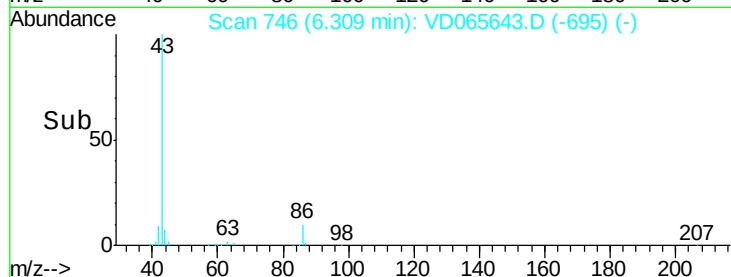
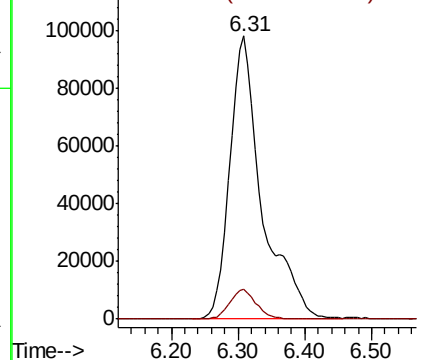
43 100

86 10.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.425 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

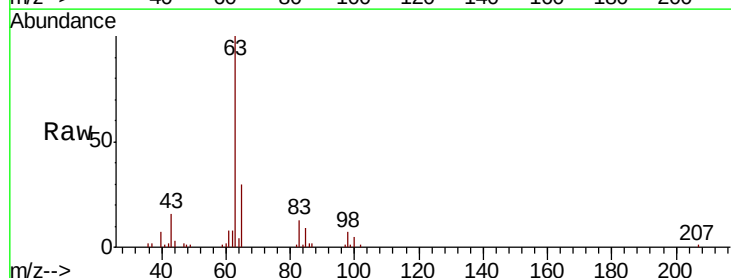
Tgt Ion: 63 Resp: 80550

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

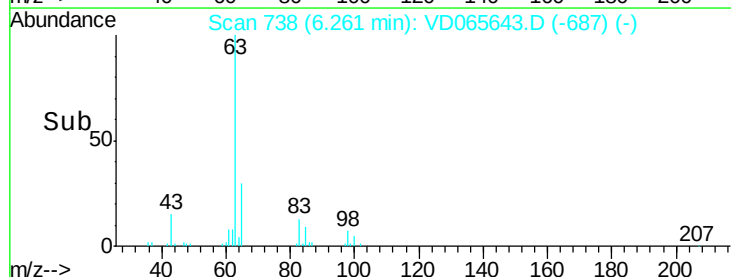
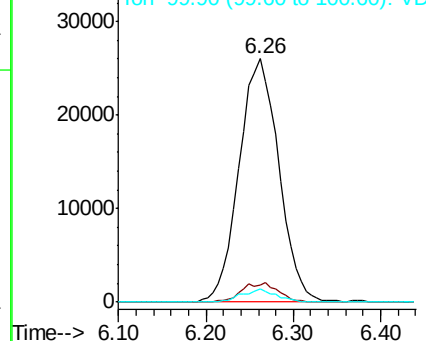
100 5.3 2.4 7.2

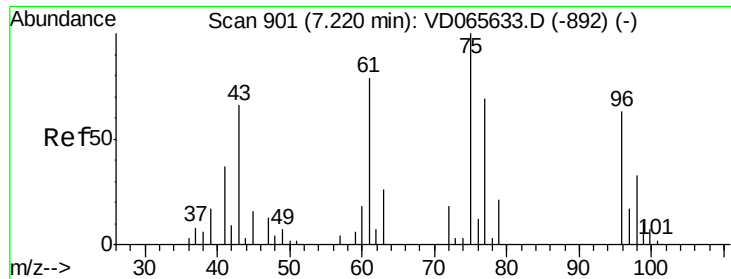


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.224 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

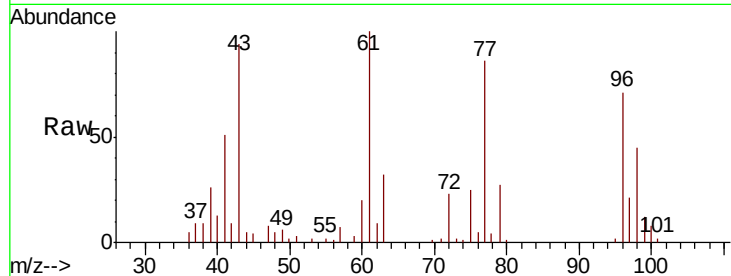
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 56096

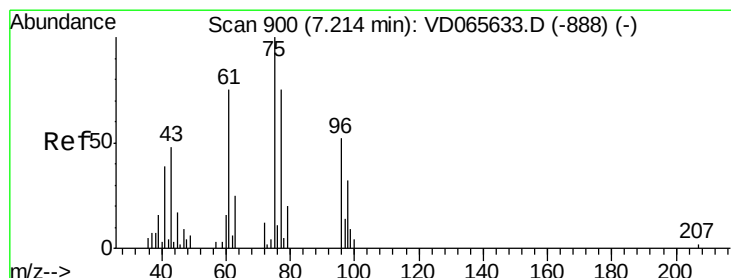
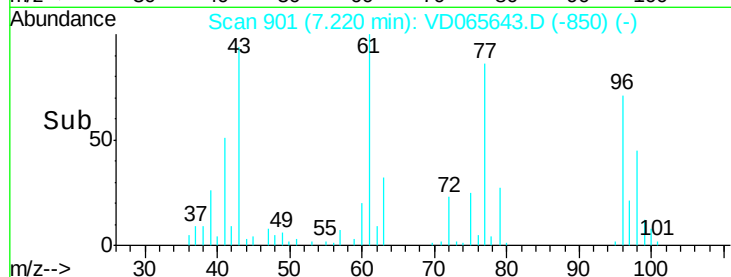
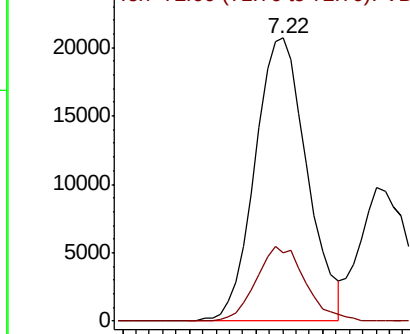
Ion Ratio Lower Upper

43 100

72 24.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.952 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065643.D

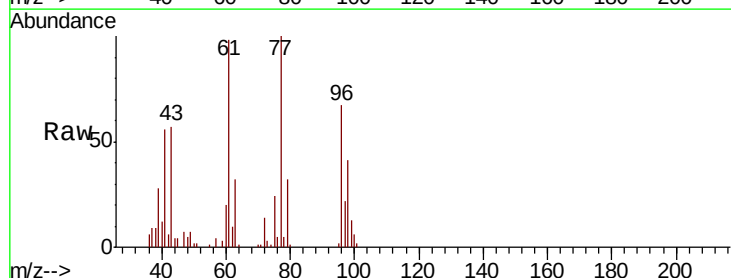
Acq: 17 Apr 2020 14:32

Tgt Ion: 77 Resp: 72114

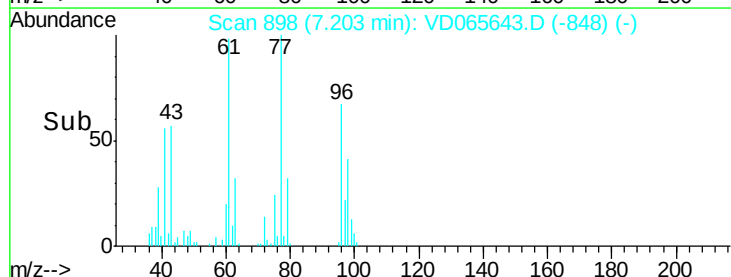
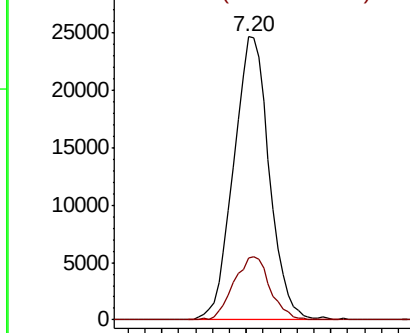
Ion Ratio Lower Upper

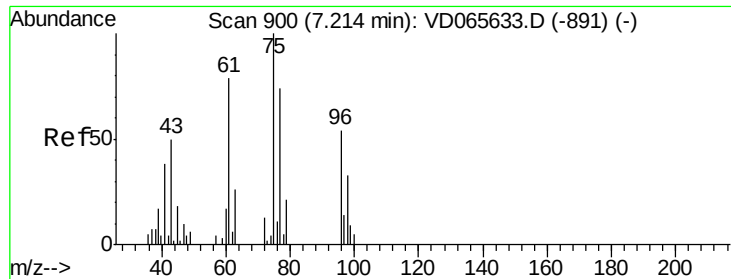
77 100

97 22.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



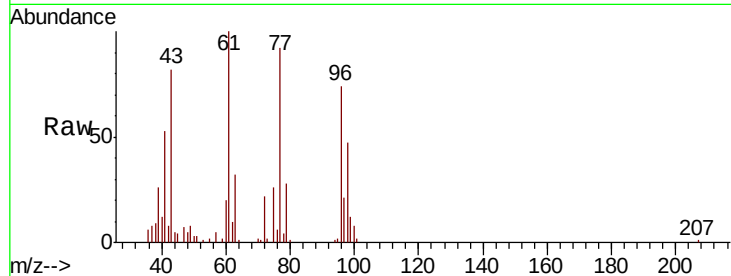


#27

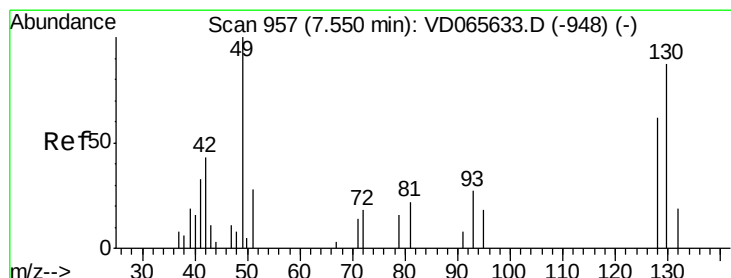
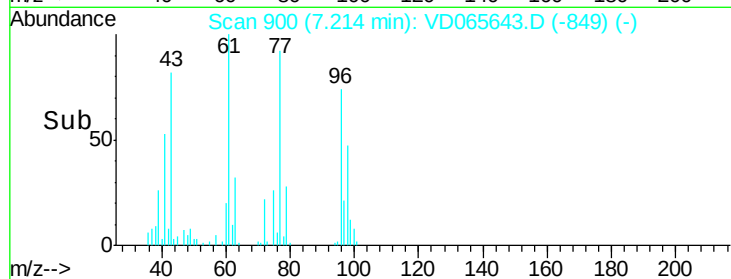
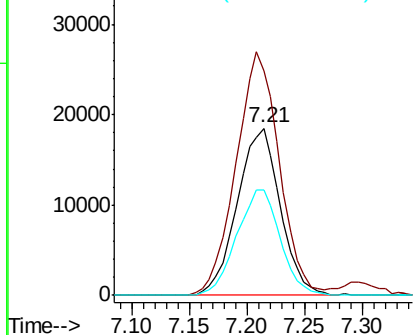
cis-1,2-Dichloroethene
 Concen: 18.831 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 48006
 Ion Ratio Lower Upper
 96 100
 61 146.1 0.0 286.2
 98 63.3 0.0 128.0



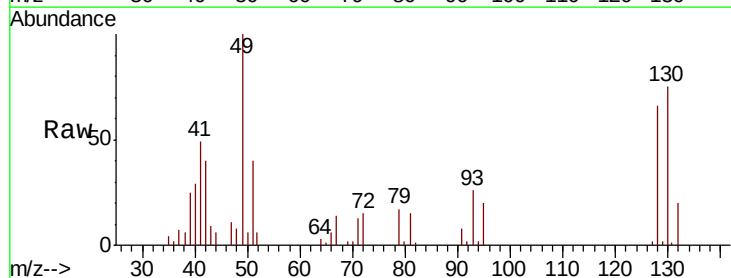
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



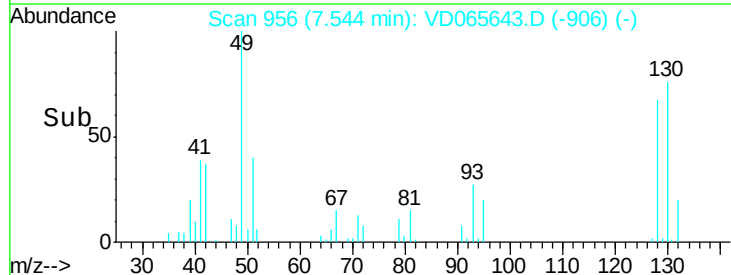
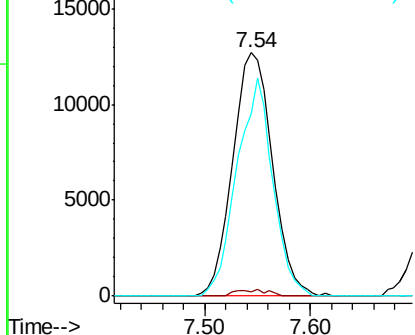
#28

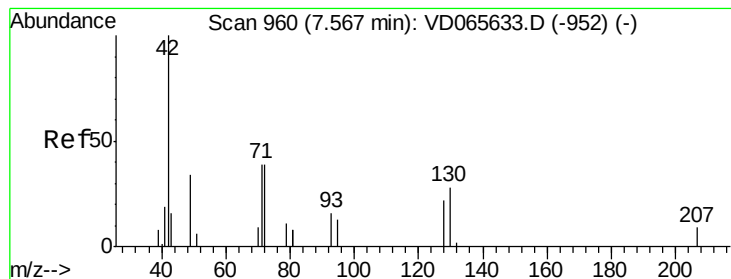
Bromochloromethane
 Concen: 20.063 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Tgt Ion: 49 Resp: 33227
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 80.6 66.2 99.2



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





#29

Tetrahydrofuran

Concen: 98.650 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

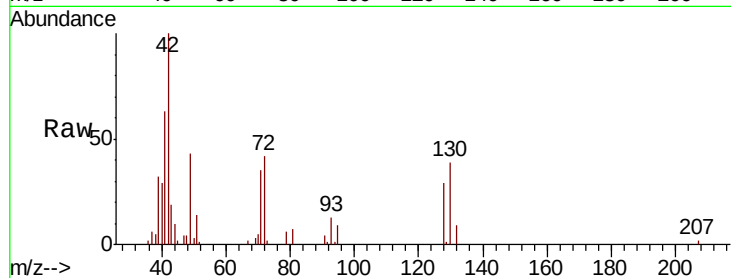
Tot Ion: 42 Resp: 35034

Ion Ratio Lower Upper

42 100

72 41.8 34.4 51.6

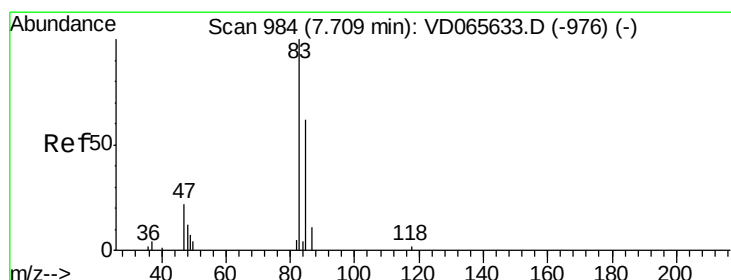
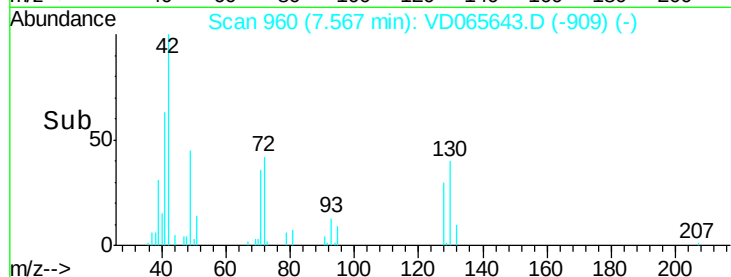
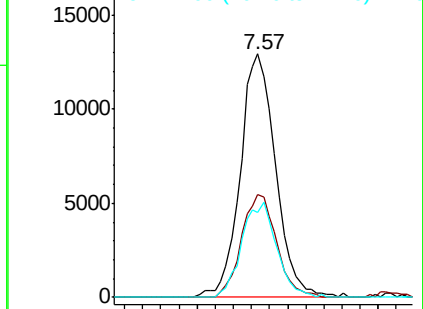
71 38.5 31.4 47.0



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: 19.406 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065643.D

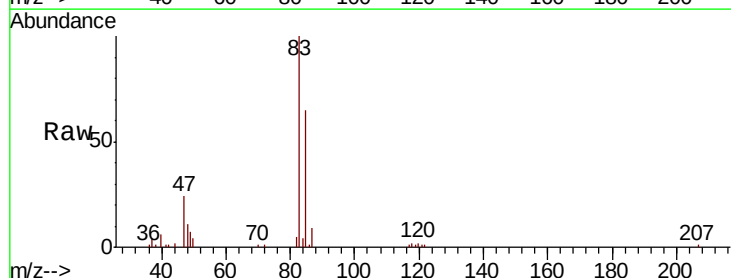
Acq: 17 Apr 2020 14:32

Tgt Ion: 83 Resp: 82362

Ion Ratio Lower Upper

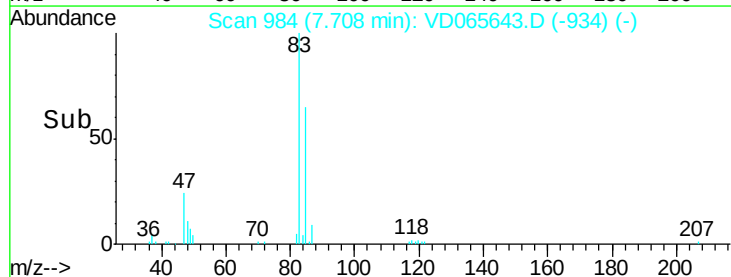
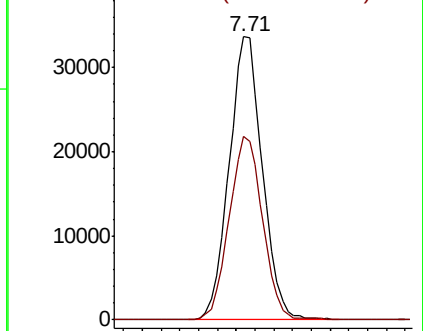
83 100

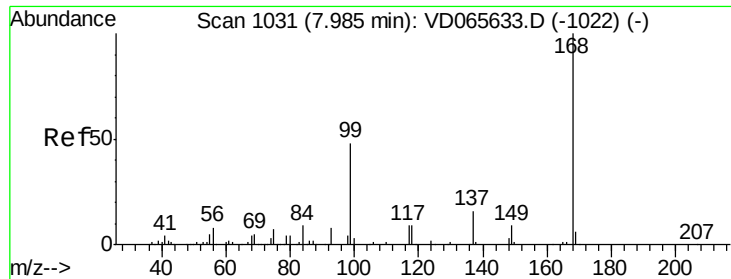
85 64.7 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

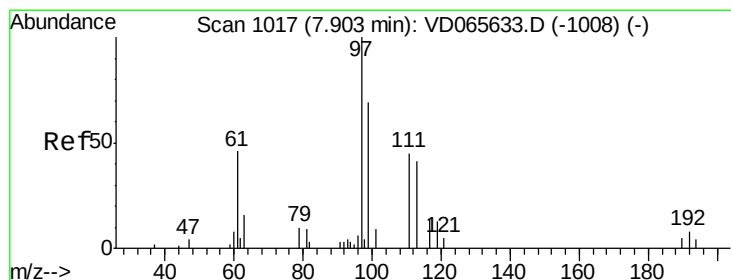
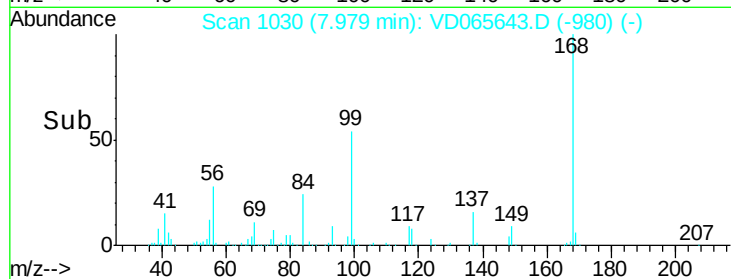
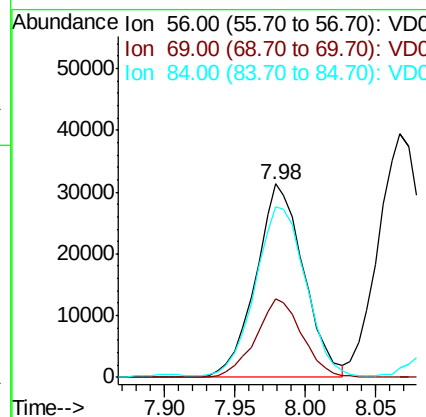
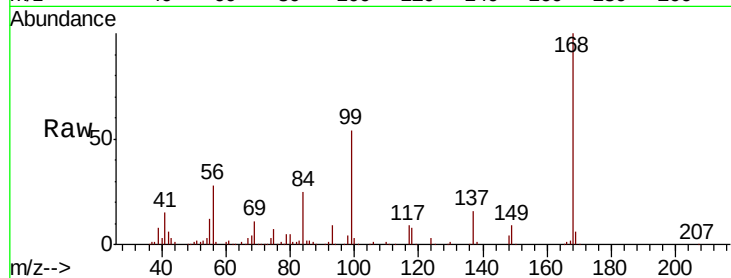




#31
Cyclohexane
Concen: 18.847 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

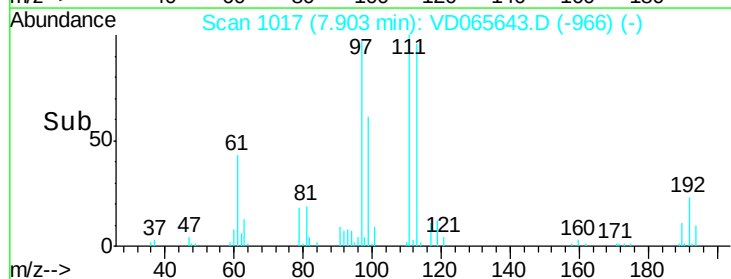
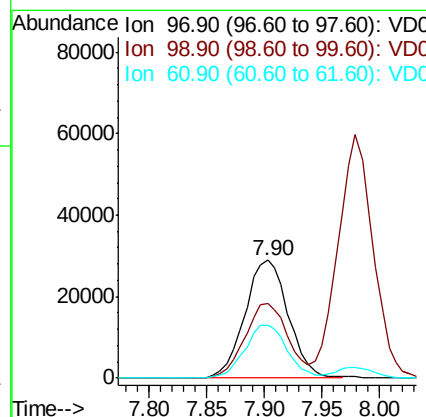
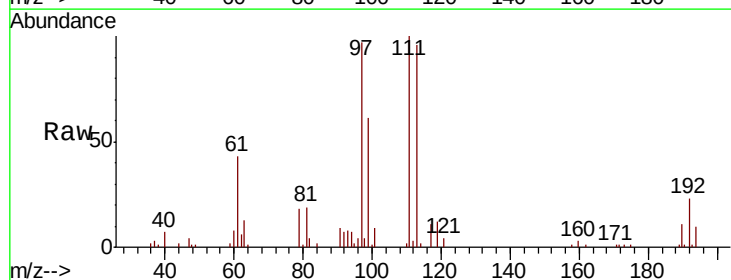
Instrument :
MSVOA_D
ClientSampleId :

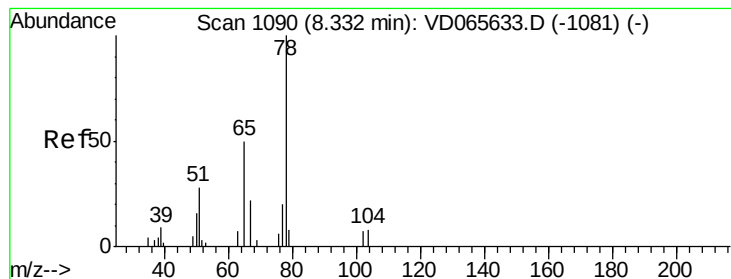
Tot Ion: 56 Resp: 74449
Ion Ratio Lower Upper
56 100
69 40.8 26.6 40.0#
84 87.1 75.3 112.9



#32
1,1,1-Trichloroethane
Concen: 19.824 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion: 97 Resp: 75648
Ion Ratio Lower Upper
97 100
99 62.7 51.5 77.3
61 44.2 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 46.746 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

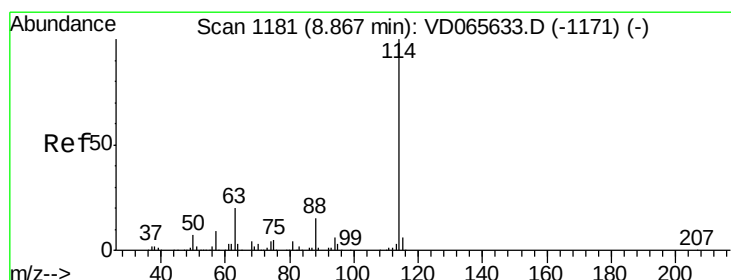
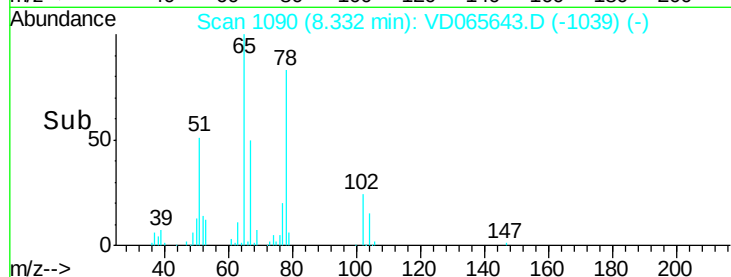
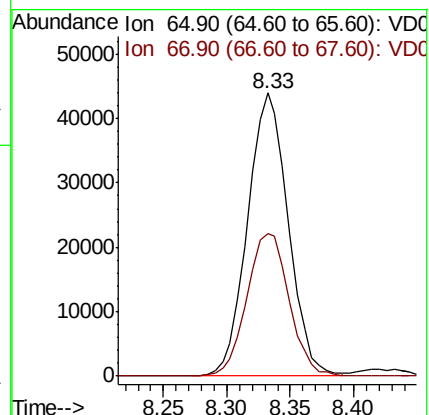
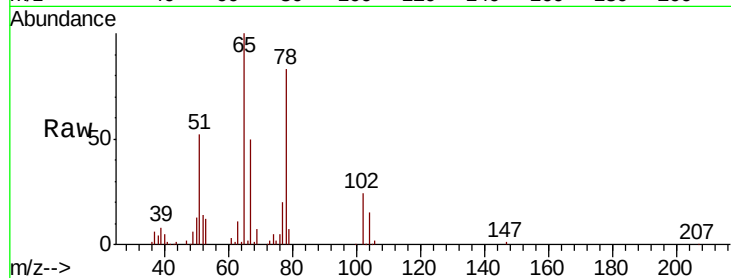
ClientSampleId :

Tot Ion: 65 Resp: 98050

Ion Ratio Lower Upper

65 100

67 52.3 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: VD065643.D

Acq: 17 Apr 2020 14:32

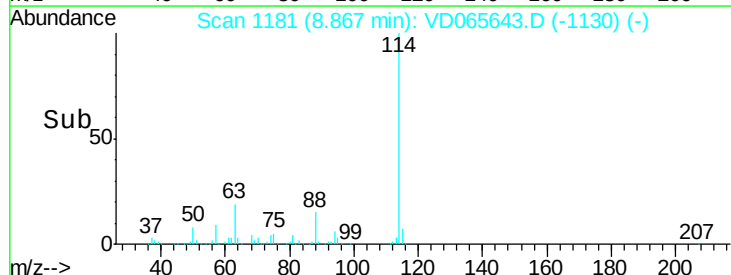
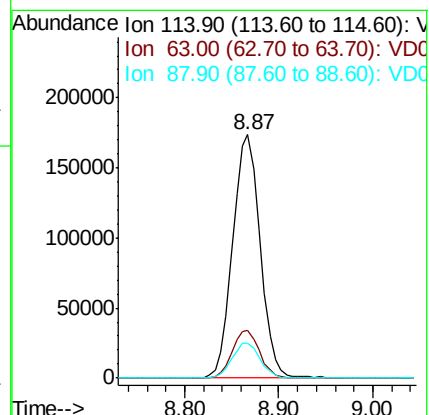
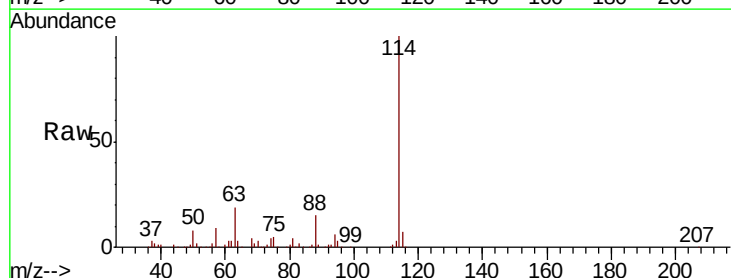
Tgt Ion: 114 Resp: 353751

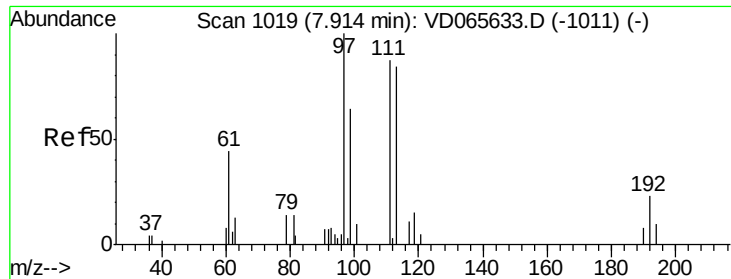
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 14.5 0.0 31.6

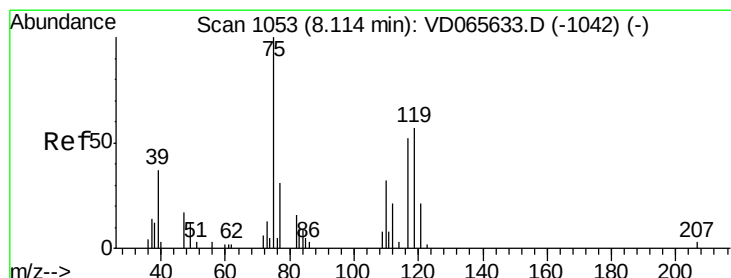
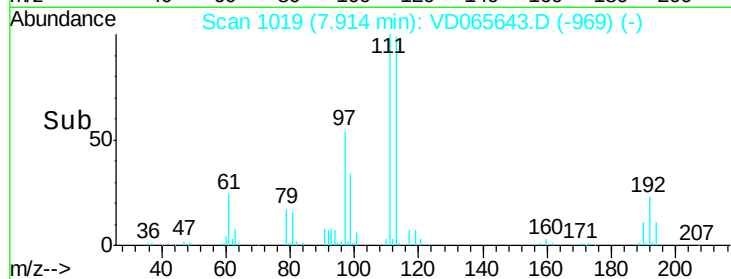
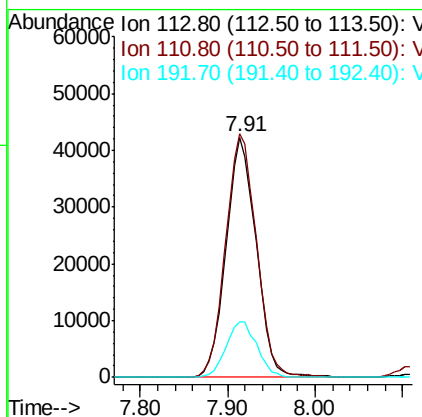
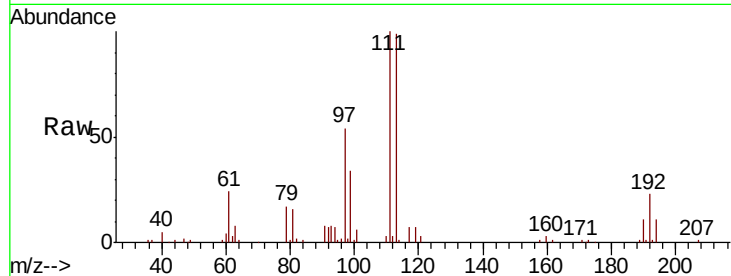




#35
 Dibromofluoromethane
 Concen: 44.972 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

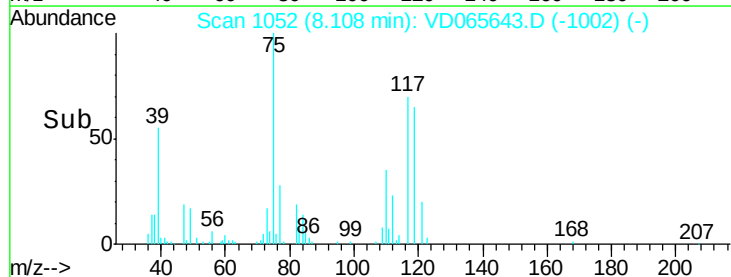
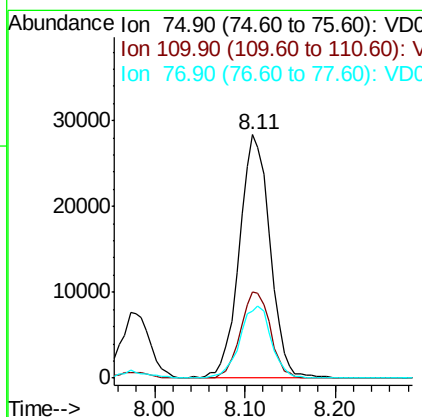
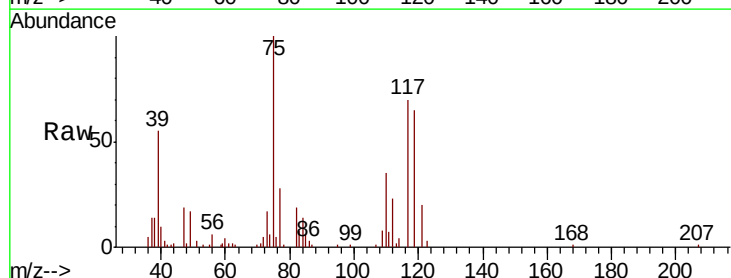
Instrument :
 MSVOA_D
 ClientSampled :

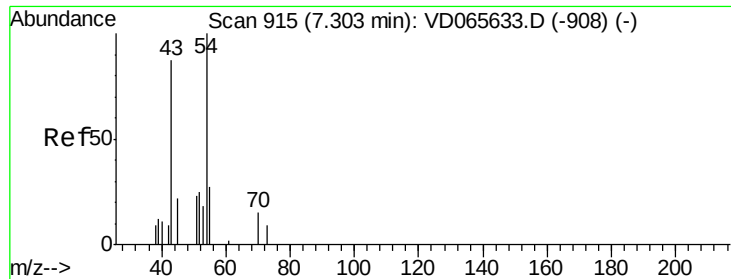
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.9	122.9
192	23.6	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 19.462 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	18.3	54.8
77	30.2	24.6	37.0

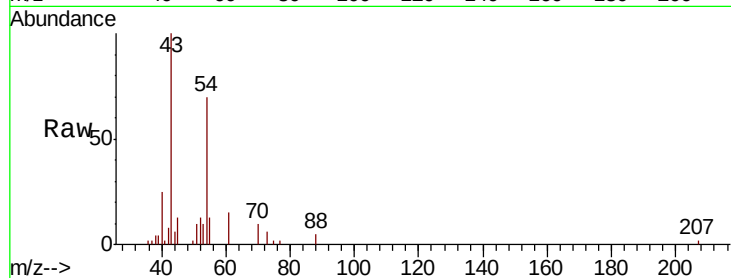




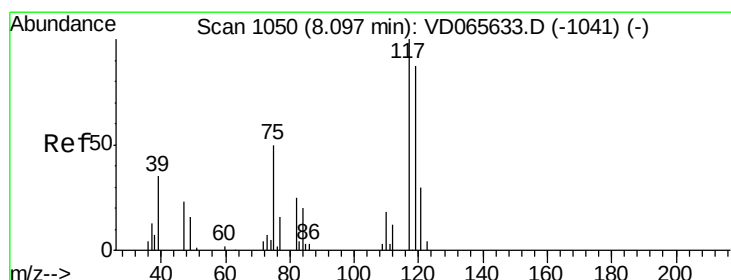
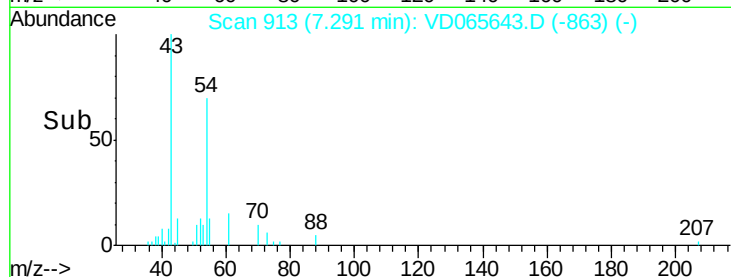
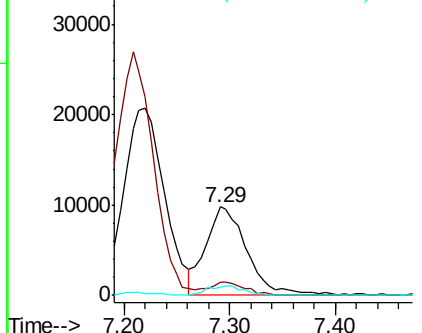
#37
Ethyl Acetate
Concen: 19.544 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 26622
Ion Ratio Lower Upper
43 100
61 13.3 10.9 16.3
70 9.4 7.9 11.9

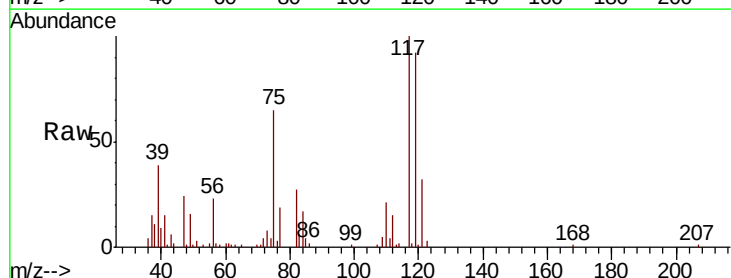


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

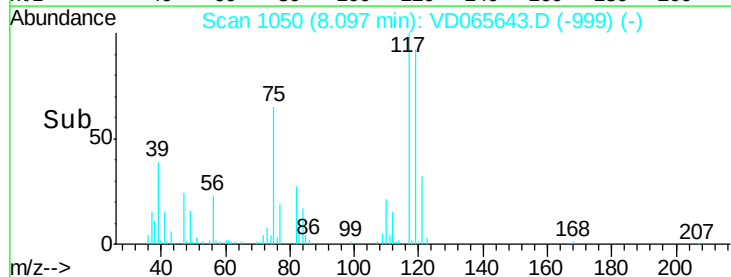
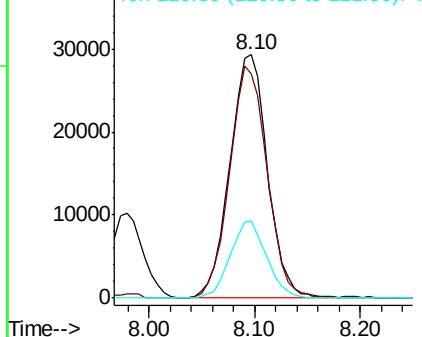


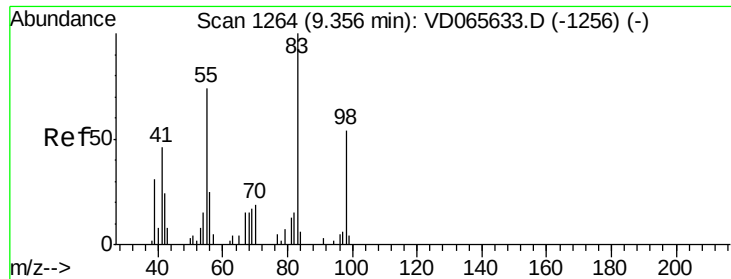
#38
Carbon Tetrachloride
Concen: 19.770 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion: 117 Resp: 72336
Ion Ratio Lower Upper
117 100
119 92.1 75.3 112.9
121 31.6 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

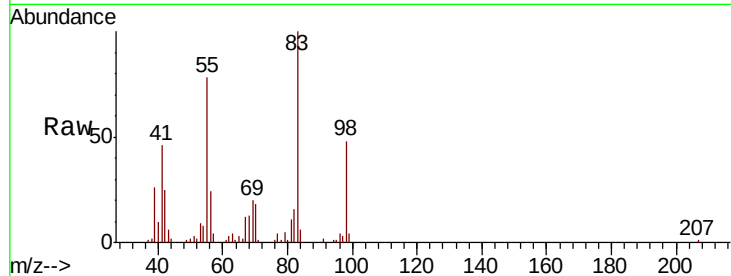




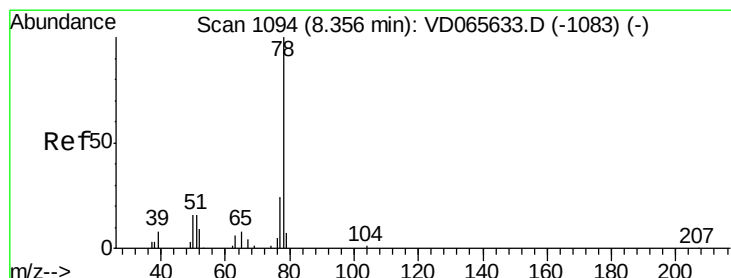
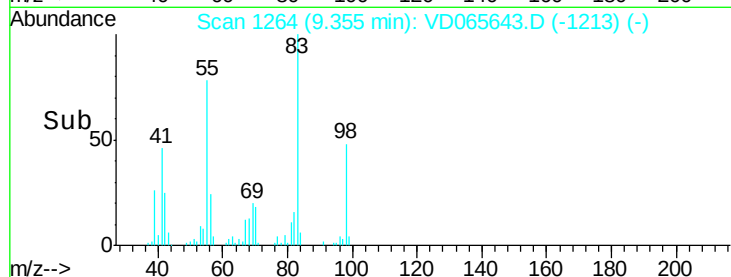
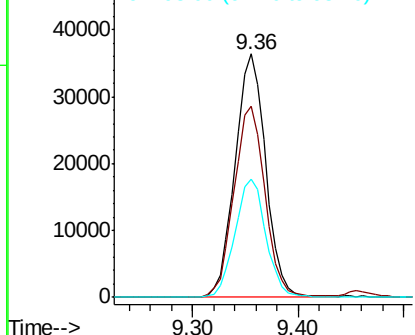
#39
Methylvlcyclohexane
Concen: 18.400 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 73139
Ion Ratio Lower Upper
83 100
55 78.5 62.3 93.5
98 48.3 40.5 60.7

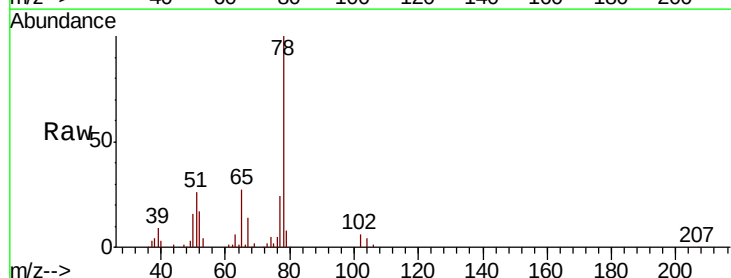


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

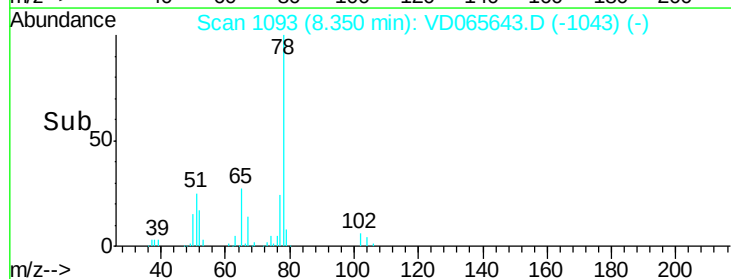
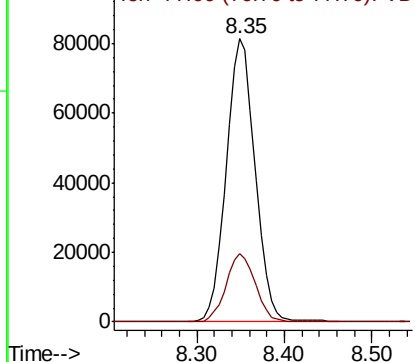


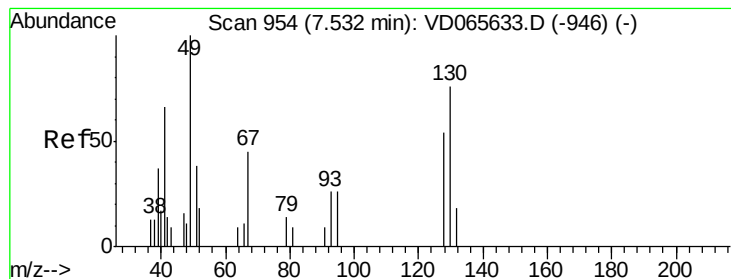
#40
Benzene
Concen: 18.618 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion: 78 Resp: 182841
Ion Ratio Lower Upper
78 100
77 24.2 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: 19.338 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 13047

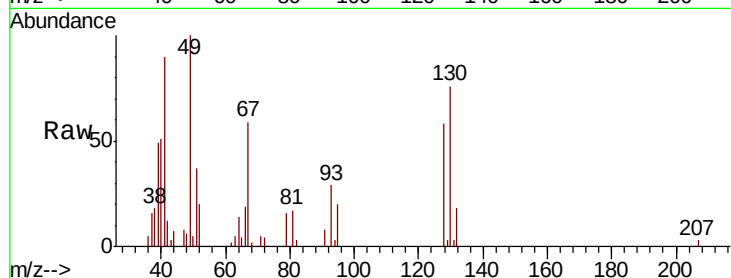
Ion Ratio Lower Upper

41 100

39 56.5 0.0 0.0#

67 76.9 0.0 0.0#

52 33.2 0.0 0.0#



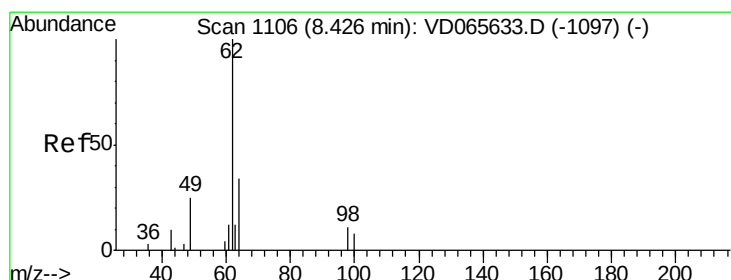
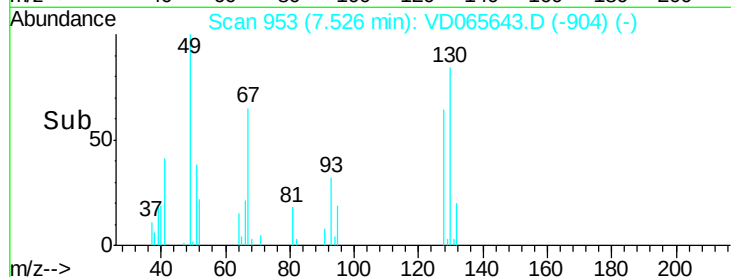
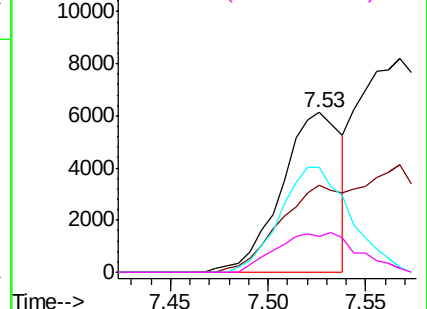
Abundance

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: 19.590 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD065643.D

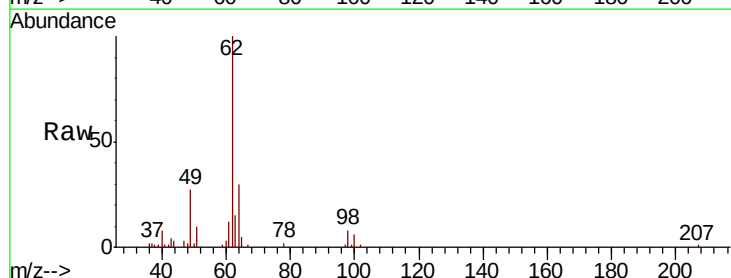
Acq: 17 Apr 2020 14:32

Tgt Ion: 62 Resp: 52727

Ion Ratio Lower Upper

62 100

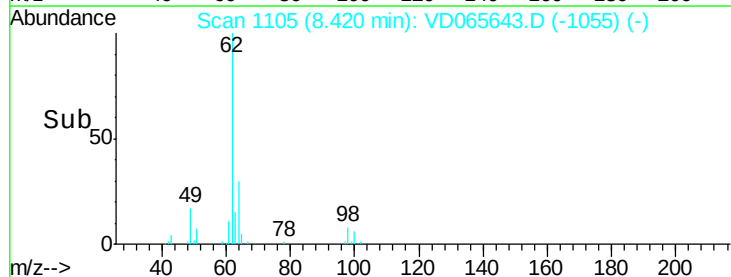
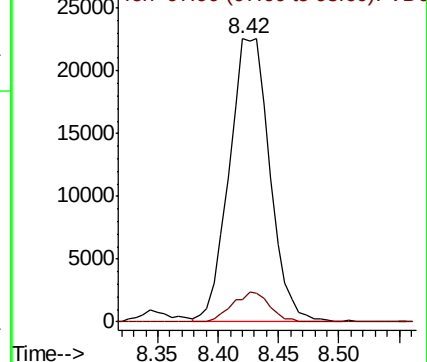
98 9.6 0.0 20.6

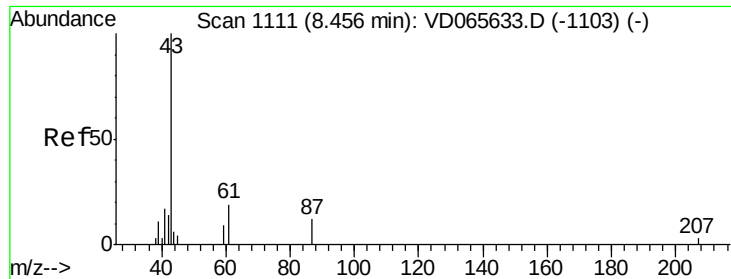


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.799 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampled :

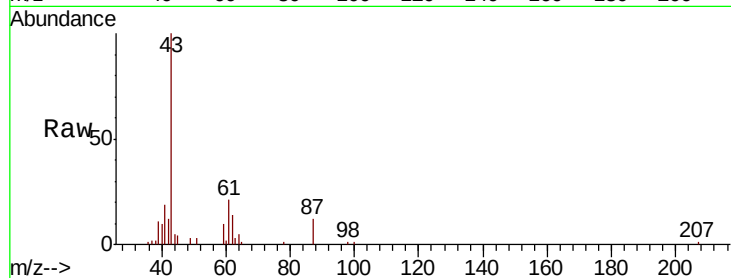
Tot Ion: 43 Resp: 46114

Ion Ratio Lower Upper

43 100

61 31.6 25.0 37.6

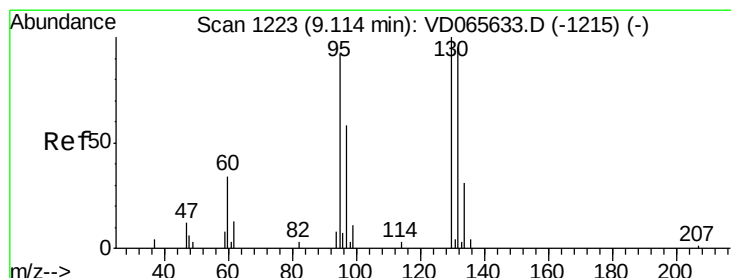
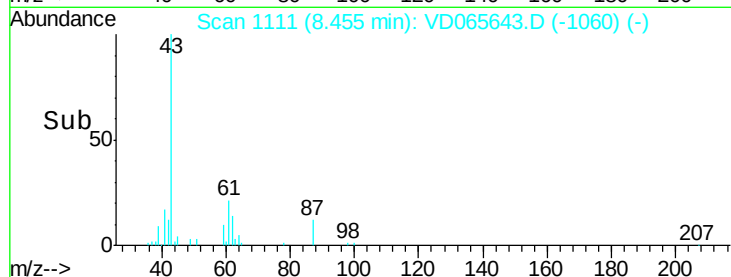
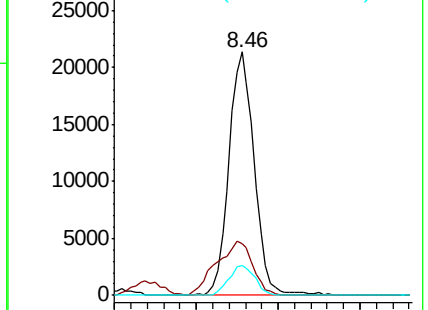
87 12.5 9.9 14.9



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: 19.175 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065643.D

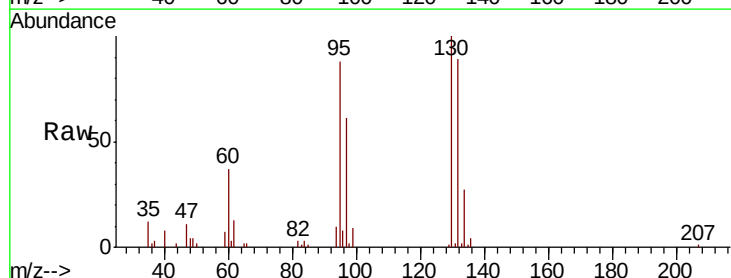
Acq: 17 Apr 2020 14:32

Tgt Ion: 130 Resp: 52715

Ion Ratio Lower Upper

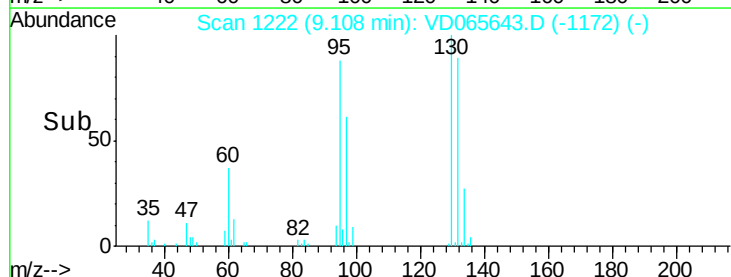
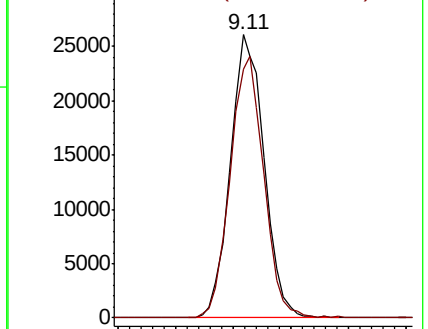
130 100

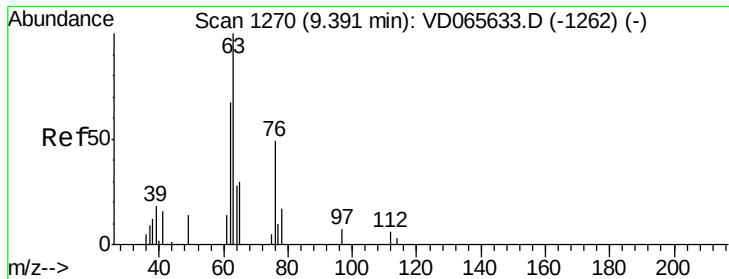
95 87.9 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.117 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

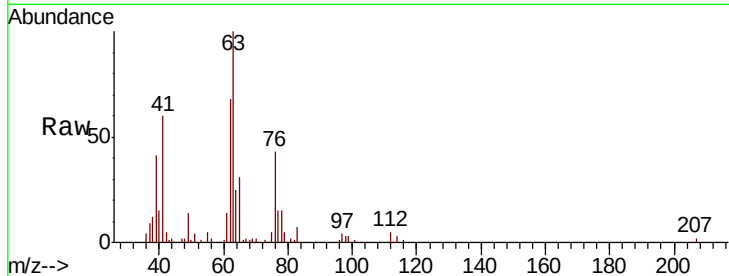
ClientSampleId :

Tot Ion: 63 Resp: 46076

Ion Ratio Lower Upper

63 100

65 31.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

25000

20000

15000

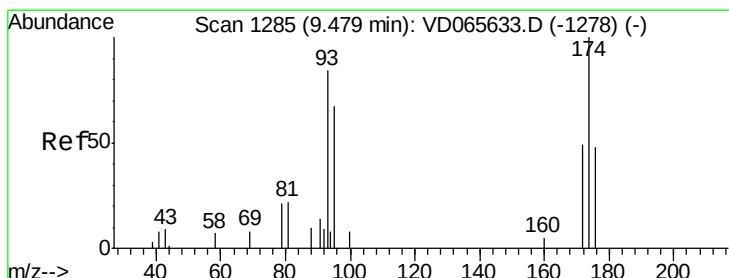
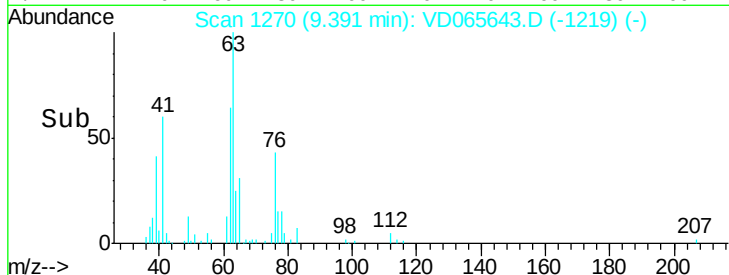
10000

5000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#46

Dibromomethane

Concen: 18.776 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

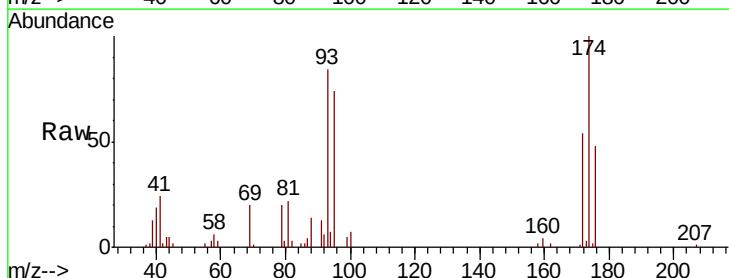
Tgt Ion: 93 Resp: 23403

Ion Ratio Lower Upper

93 100

95 84.6 67.4 101.2

174 118.2 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

15000

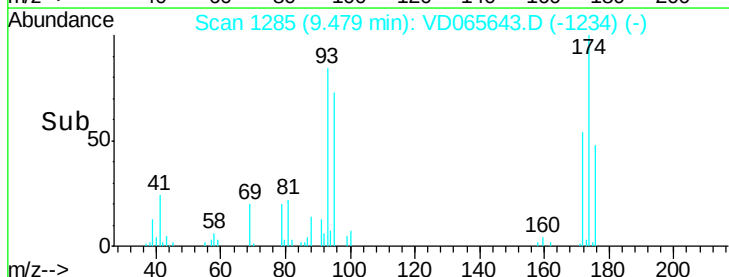
10000

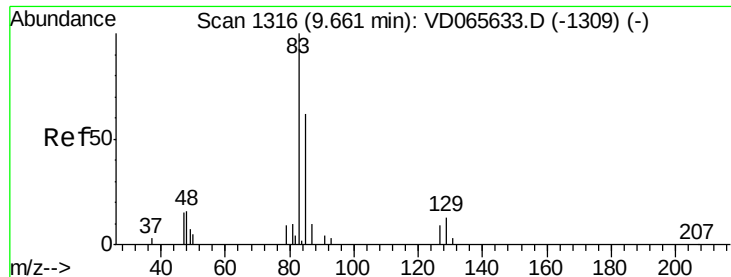
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 18.685 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

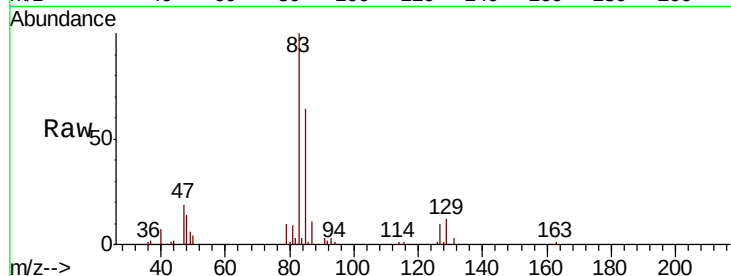
Tot Ion: 83 Resp: 62017

Ion Ratio Lower Upper

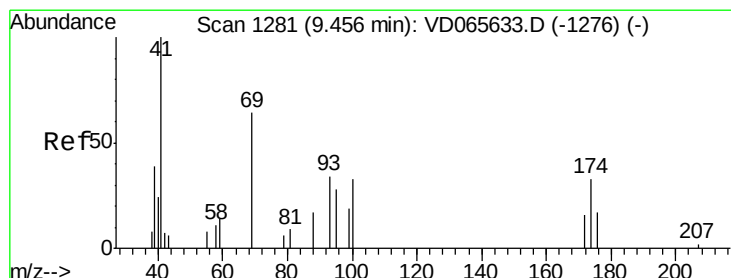
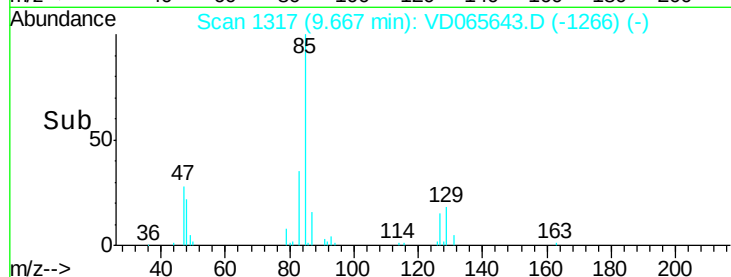
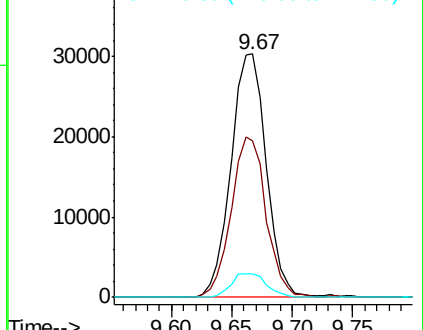
83 100

85 64.2 49.8 74.8

127 9.6 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: 17.805 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

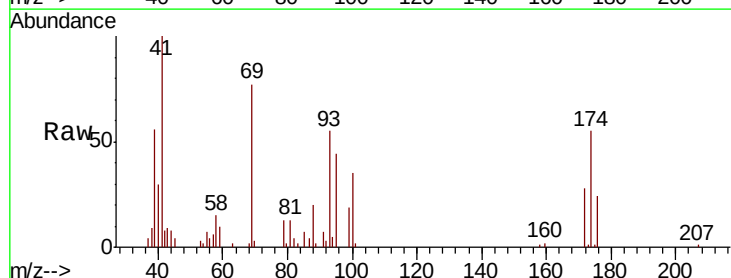
Tgt Ion: 41 Resp: 21860

Ion Ratio Lower Upper

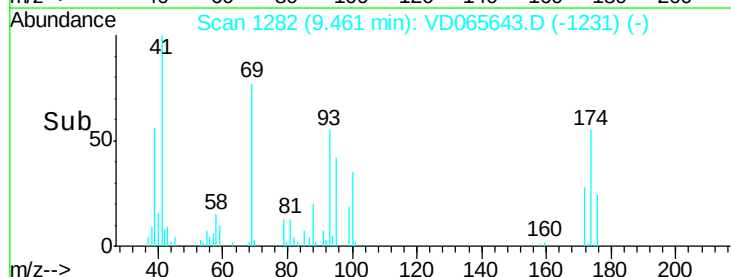
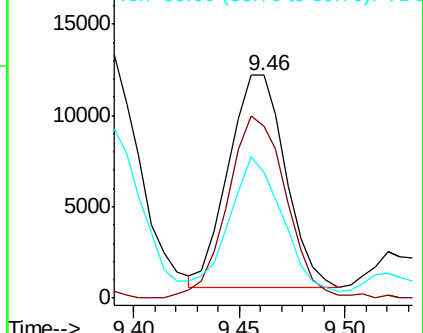
41 100

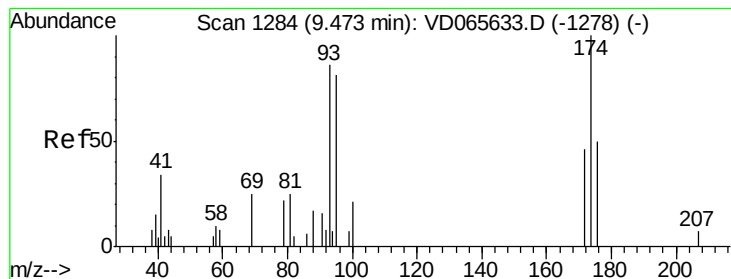
69 88.4 66.8 100.2

39 57.0 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: 387.228 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

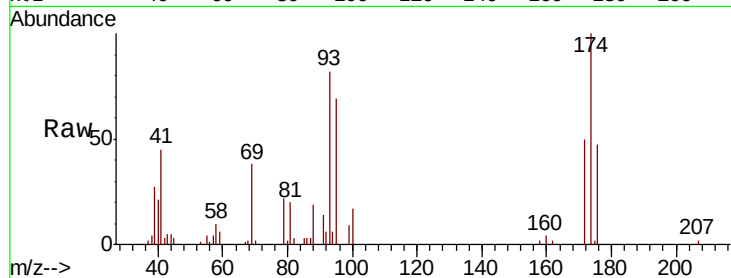
Tot Ion: 88 Resp: 5588

Ion Ratio Lower Upper

88 100

43 39.5 28.1 42.1

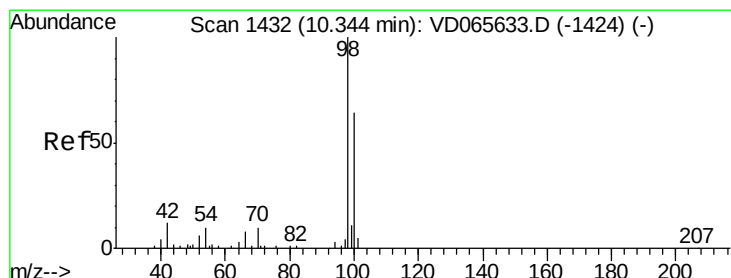
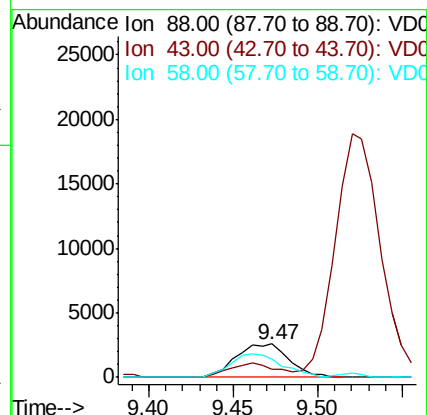
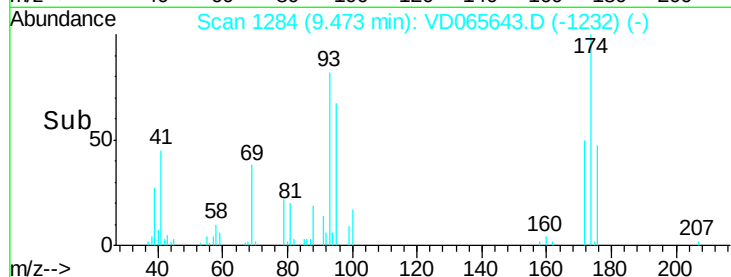
58 68.9 55.7 83.5



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: 46.302 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065643.D

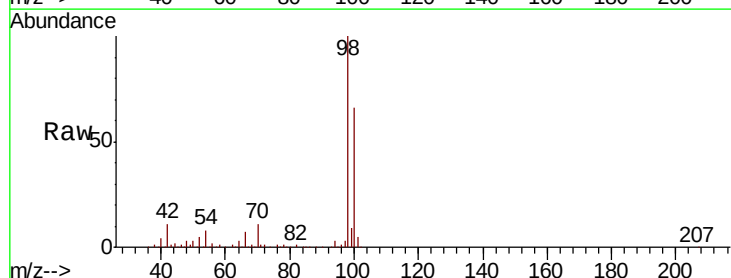
Acq: 17 Apr 2020 14:32

Tgt Ion: 98 Resp: 375787

Ion Ratio Lower Upper

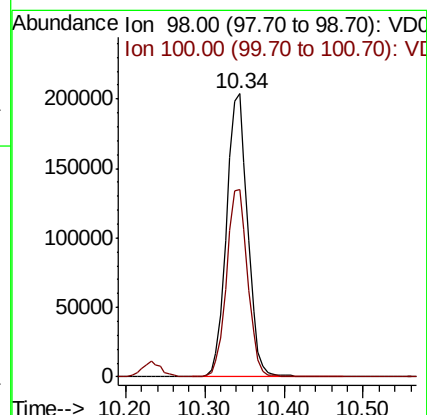
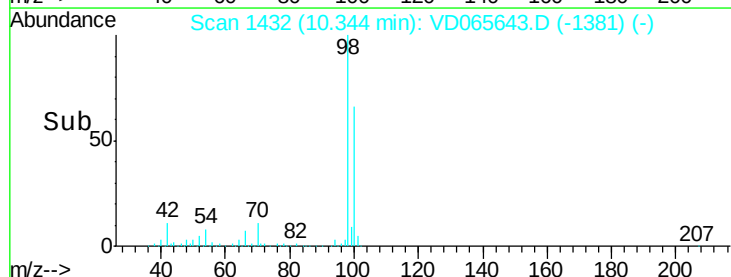
98 100

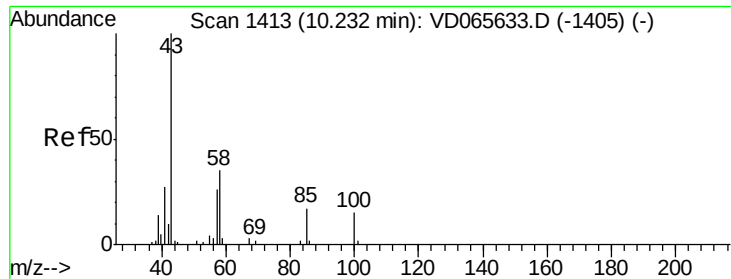
100 66.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

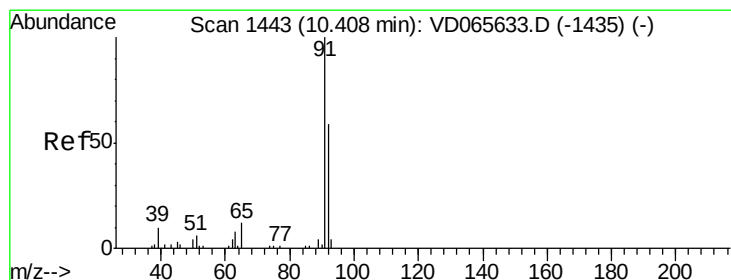
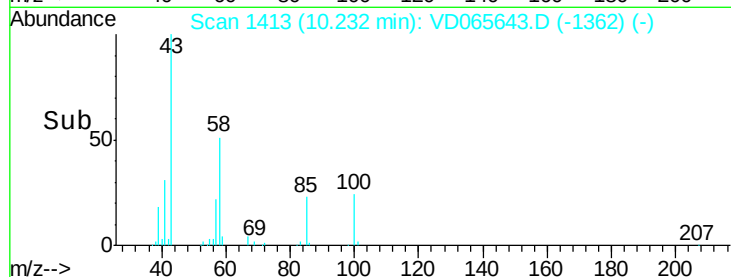
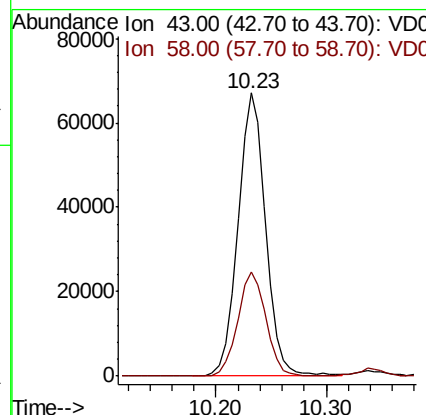
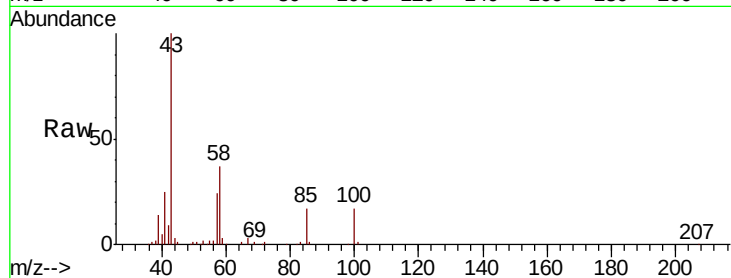




#51
 4-Methyl-2-Pentanone
 Concen: 92.354 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

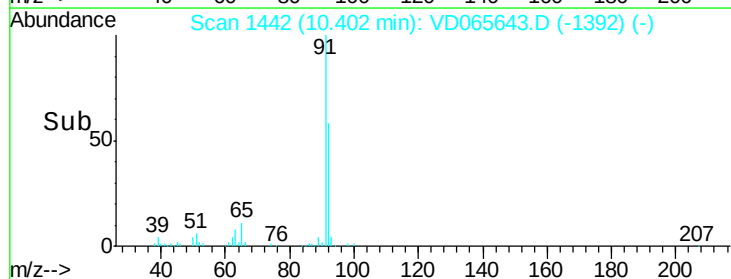
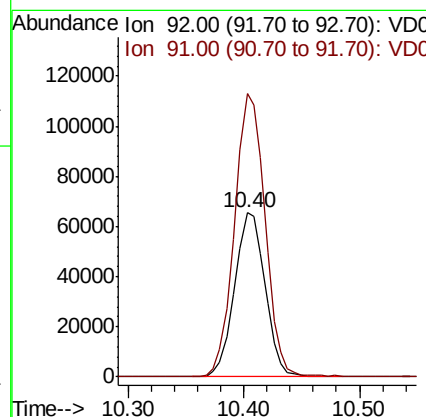
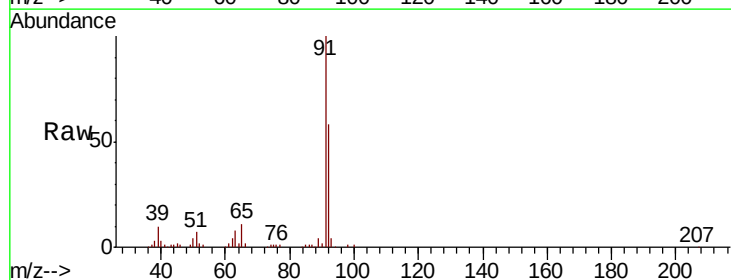
Instrument :
 MSVOA_D
 ClientSampleId :

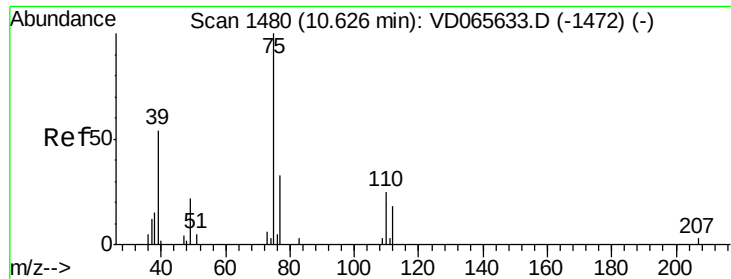
Tot Ion: 43 Resp: 117791
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.1 46.7



#52
 Toluene
 Concen: 19.851 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Tgt Ion: 92 Resp: 120180
 Ion Ratio Lower Upper
 92 100
 91 172.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.922 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

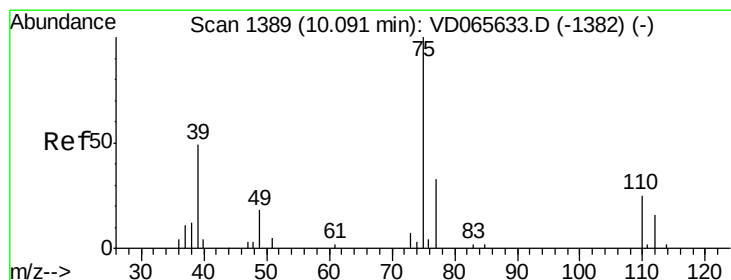
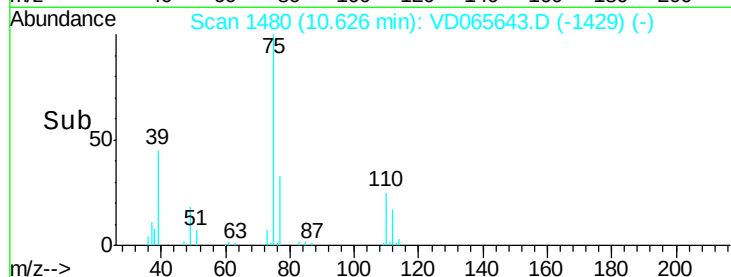
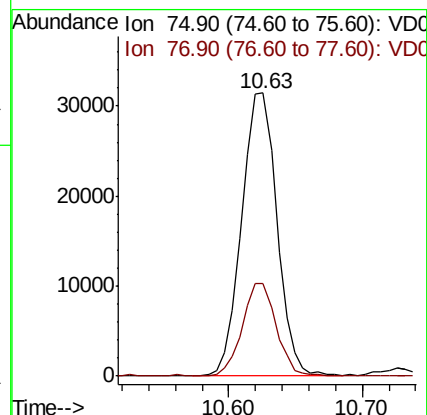
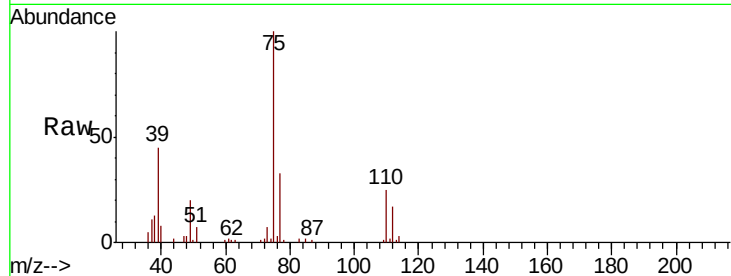
ClientSampleId :

Tot Ion: 75 Resp: 57667

Ion Ratio Lower Upper

75 100

77 32.8 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 17.848 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

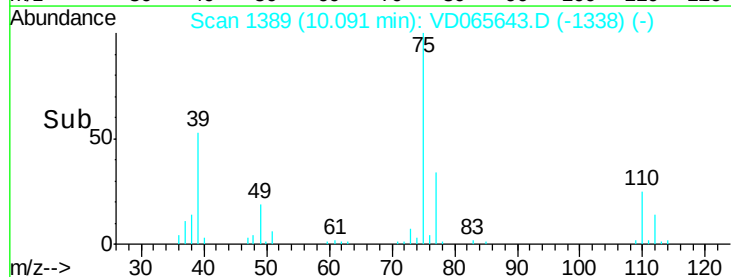
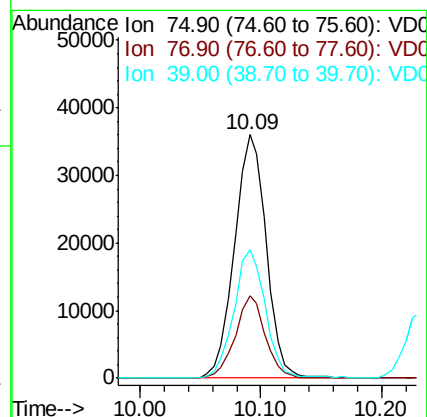
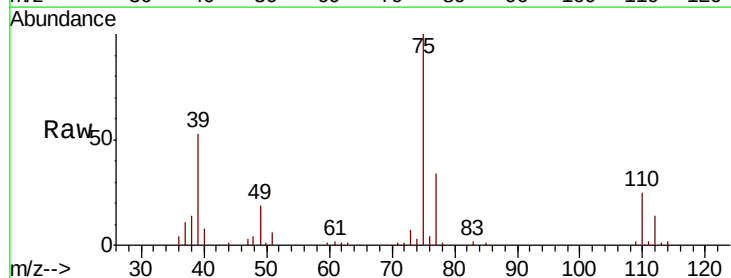
Tgt Ion: 75 Resp: 65829

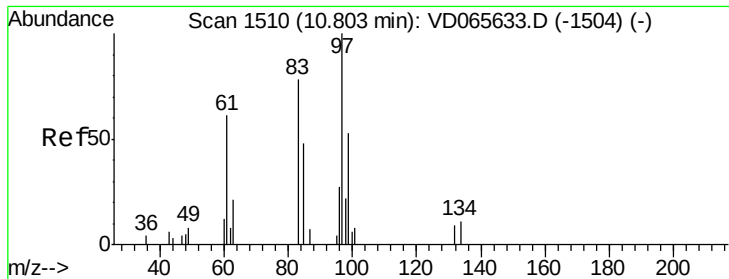
Ion Ratio Lower Upper

75 100

77 33.8 25.2 37.8

39 52.5 38.7 58.1



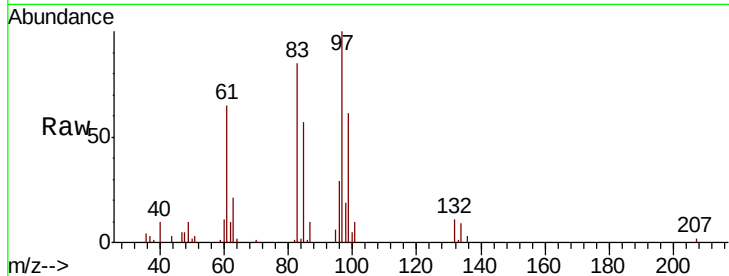


#55
 1,1,2-Trichloroethane
 Concen: 19.189 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

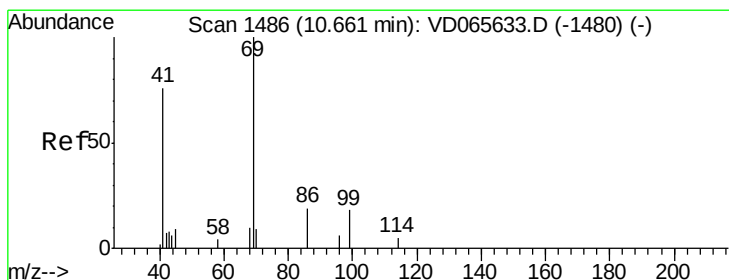
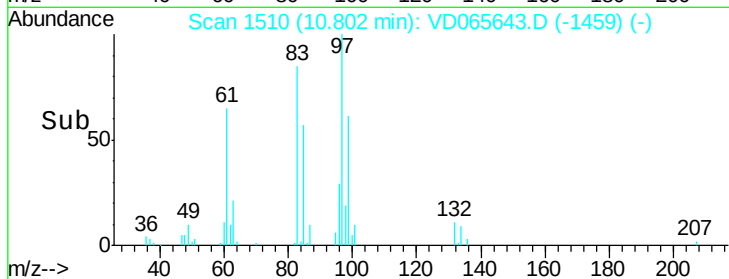
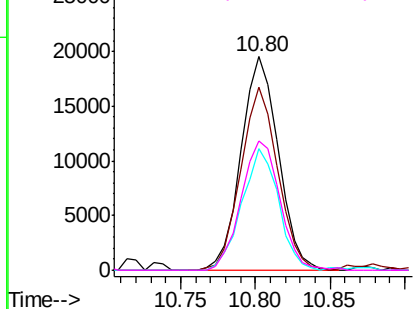
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 33829

Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.4	101.0
85	56.8	43.4	65.0
99	60.8	50.5	75.7



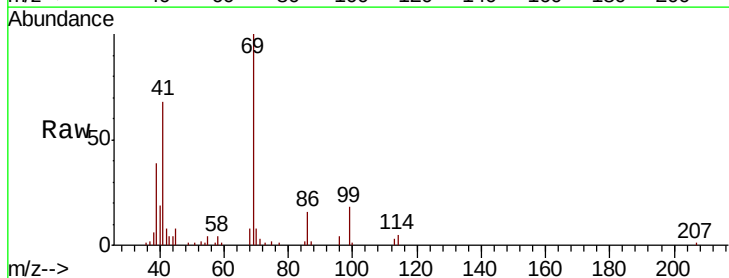
Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC



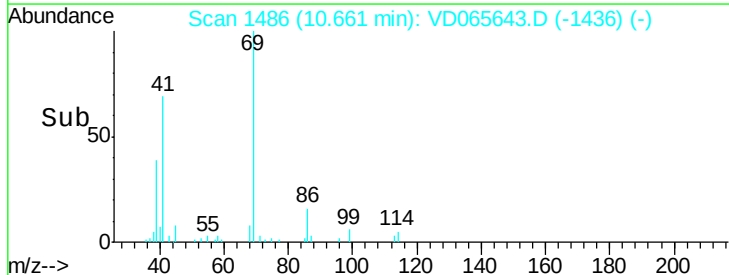
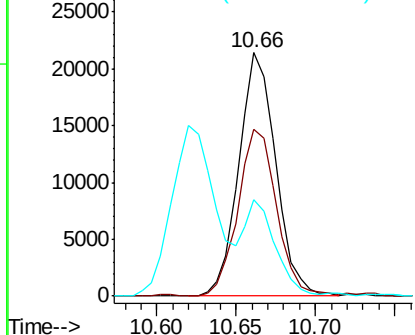
#56
 Ethyl methacrylate
 Concen: 18.129 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

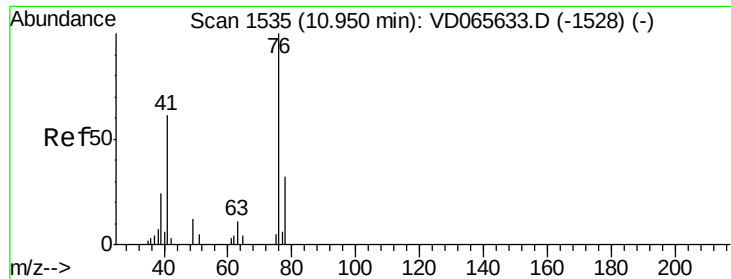
Tgt Ion: 69 Resp: 34747

Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.2	84.4
39	31.7	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: 18.877 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

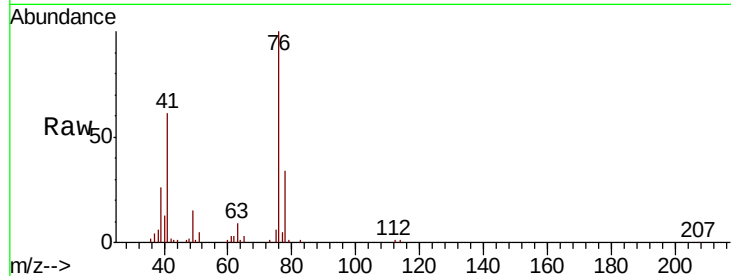
ClientSampleId :

Tot Ion: 76 Resp: 56669

Ion Ratio Lower Upper

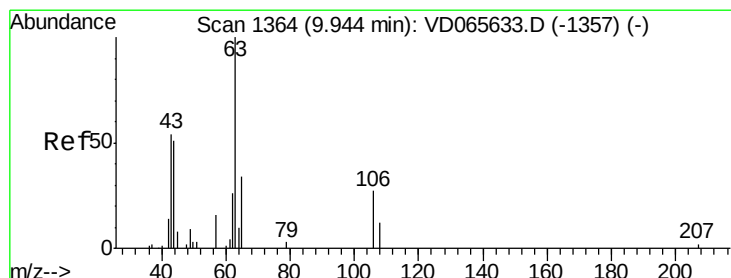
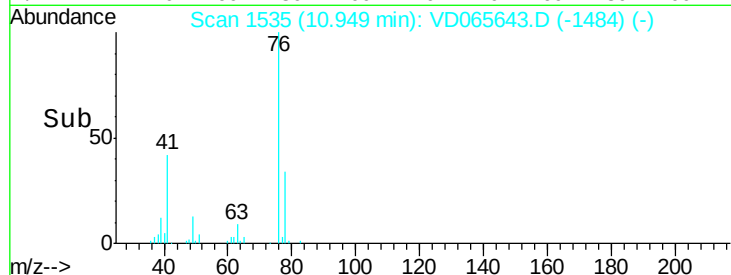
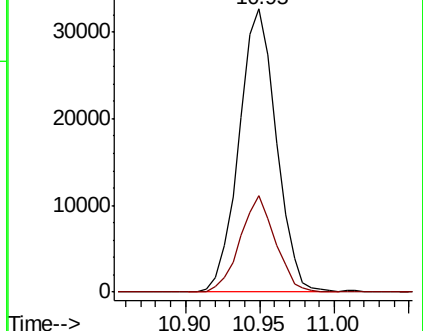
76 100

78 31.9 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 95.504 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065643.D

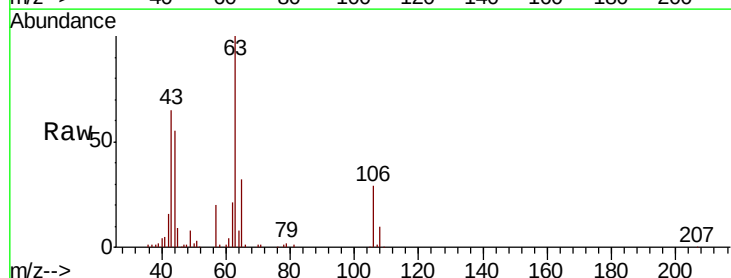
Acq: 17 Apr 2020 14:32

Tgt Ion: 63 Resp: 92705

Ion Ratio Lower Upper

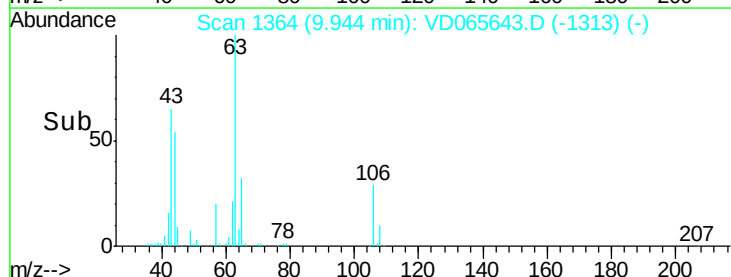
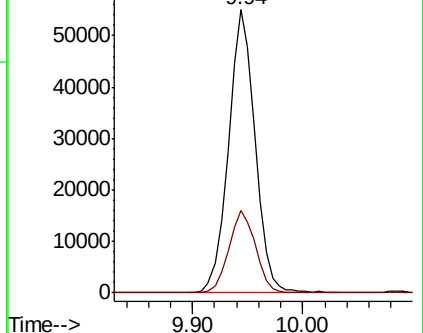
63 100

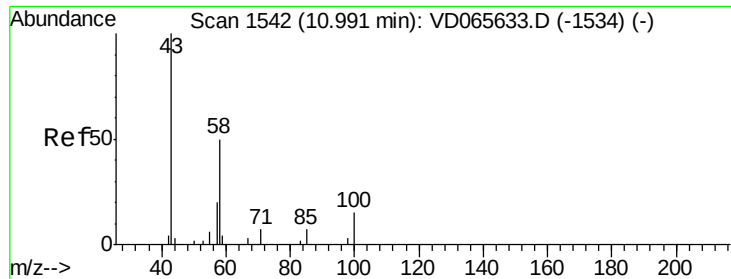
106 29.2 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

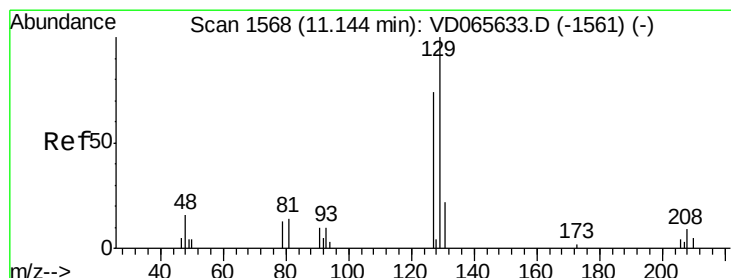
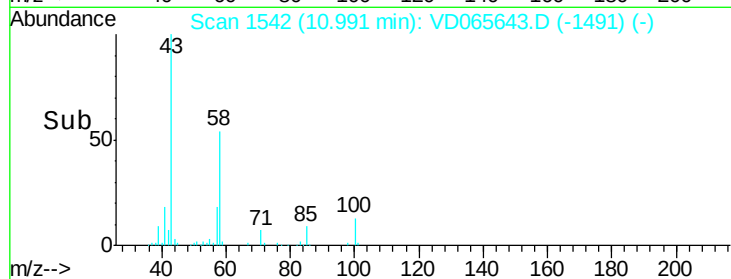
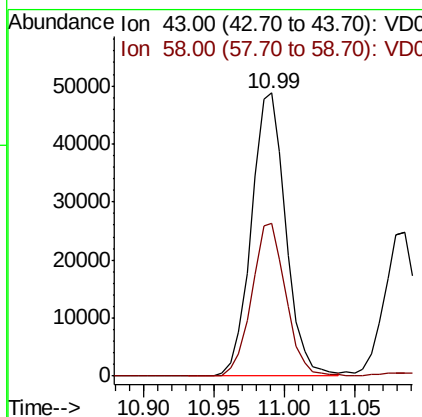
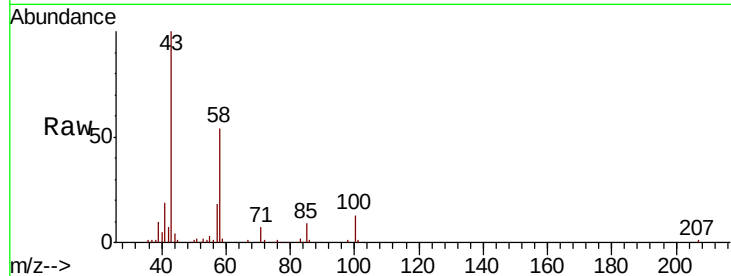




#59
2-Hexanone
Concen: 95.214 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

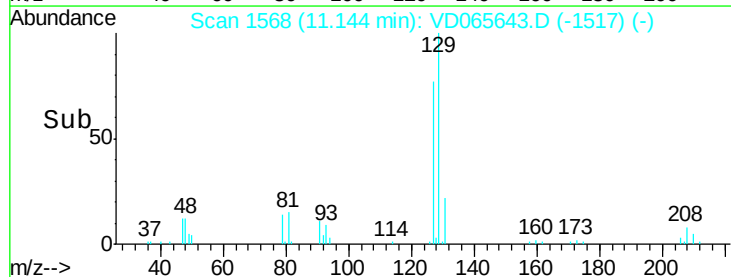
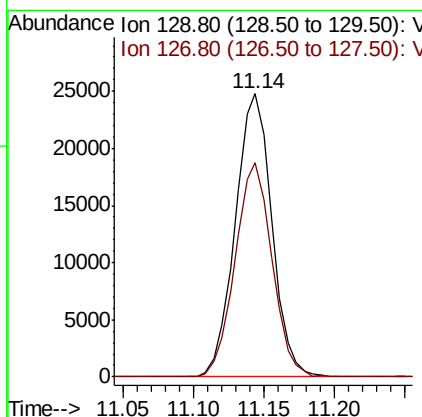
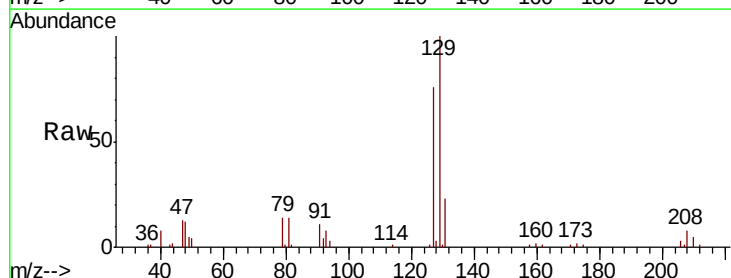
Instrument :
MSVOA_D
ClientSampleId :

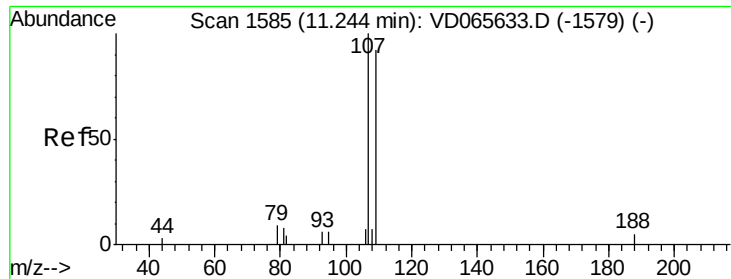
Tot Ion: 43 Resp: 83531
Ion Ratio Lower Upper
43 100
58 53.5 26.5 79.4



#60
Dibromochloromethane
Concen: 19.324 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion: 129 Resp: 44870
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.3

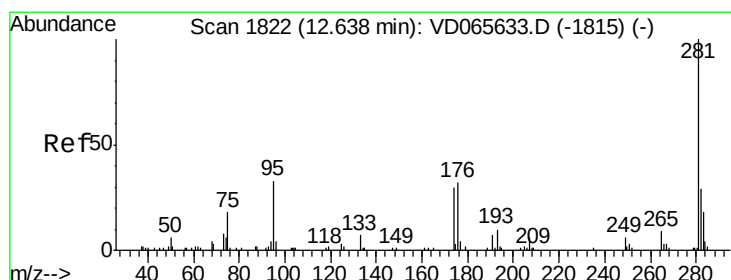
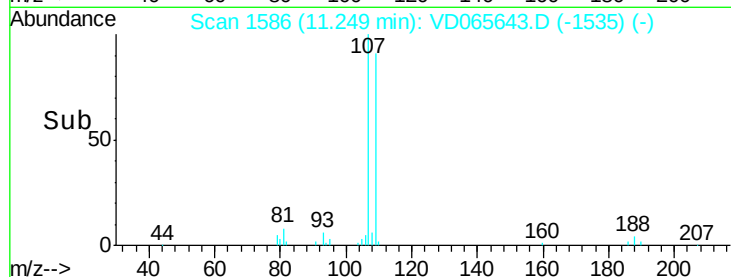
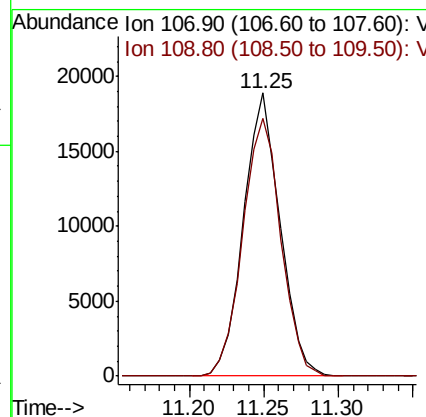
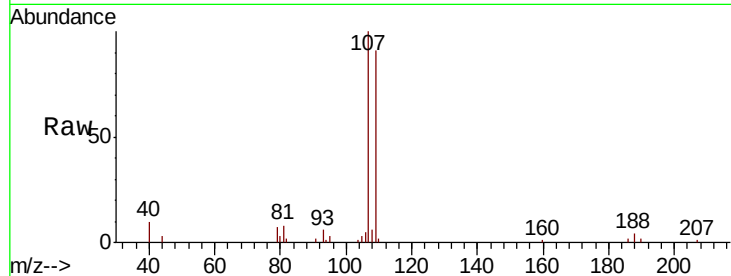




#61
 1,2-Dibromoethane
 Concen: 18.927 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

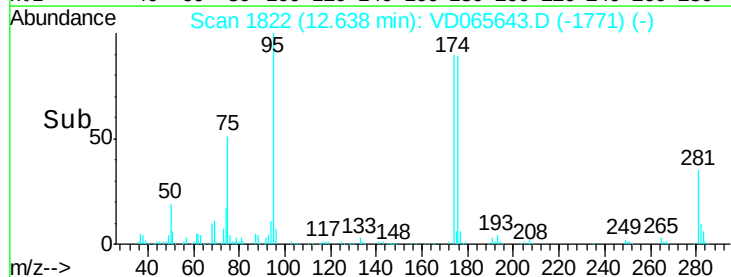
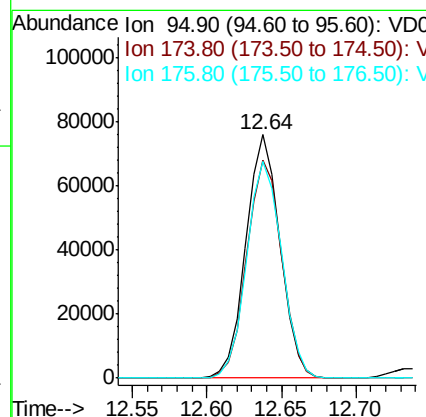
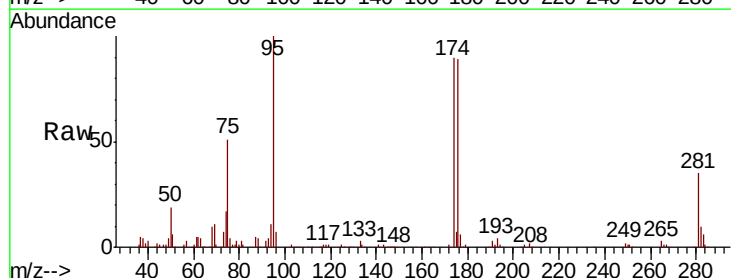
Instrument :
 MSVOA_D
 ClientSampleId :

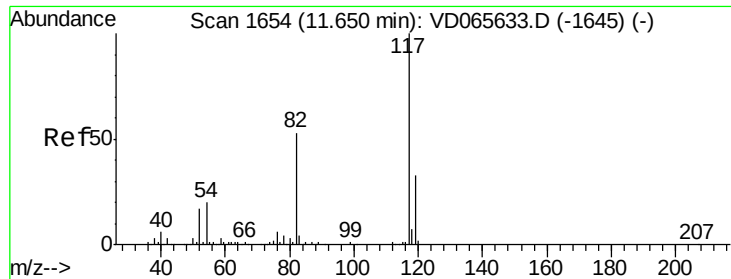
Tot Ion:107 Resp: 32107
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 44.530 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Tgt Ion: 95 Resp: 120257
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 183.8
 176 91.2 0.0 181.4

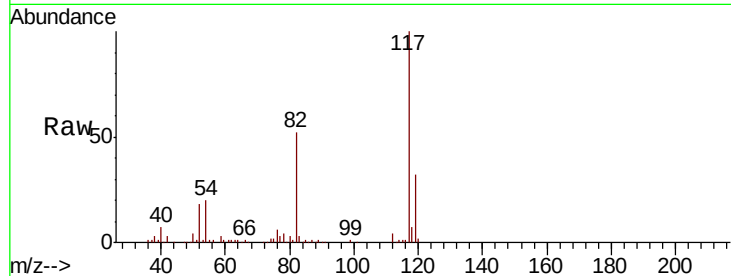




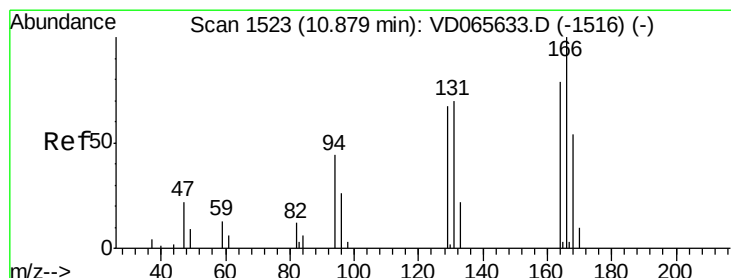
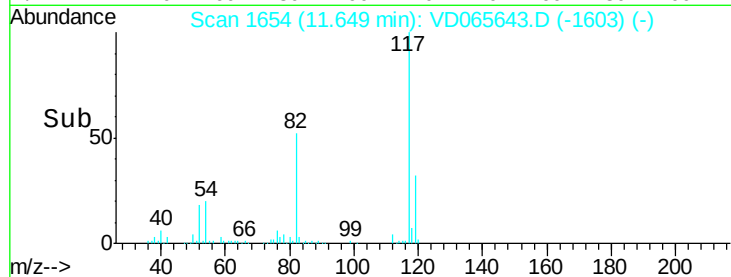
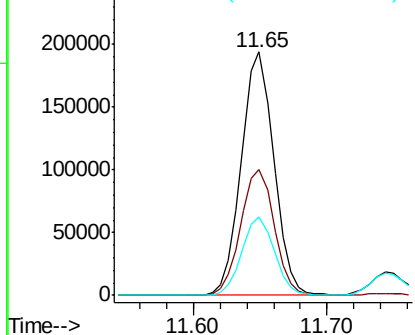
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 329113
Ion Ratio Lower Upper
117 100
82 51.8 43.2 64.8
119 32.3 26.2 39.4

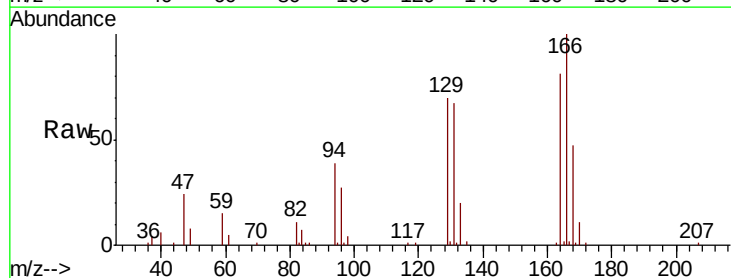


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

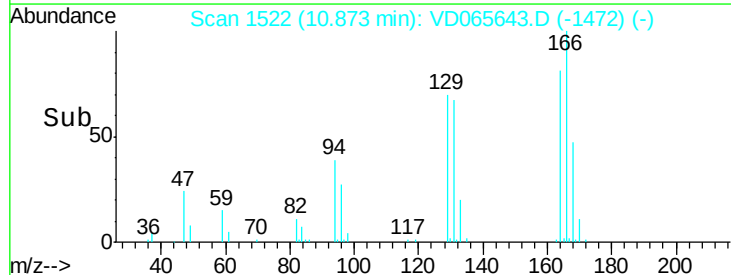
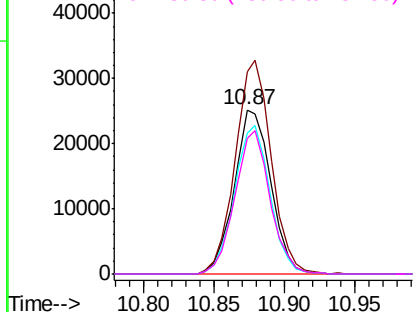


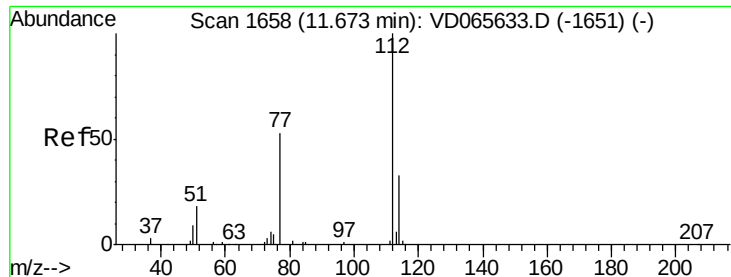
#64
Tetrachloroethene
Concen: 19.270 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion:164 Resp: 45506
Ion Ratio Lower Upper
164 100
166 123.1 102.3 153.5
129 86.0 71.7 107.5
131 82.9 66.2 99.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

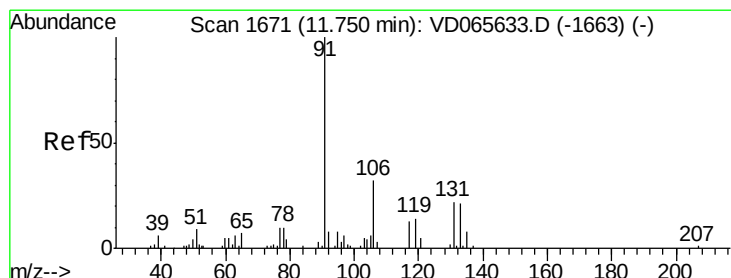
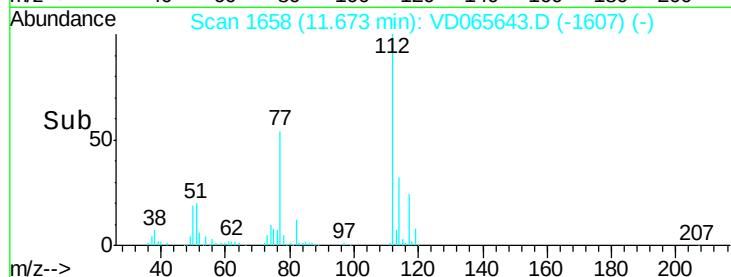
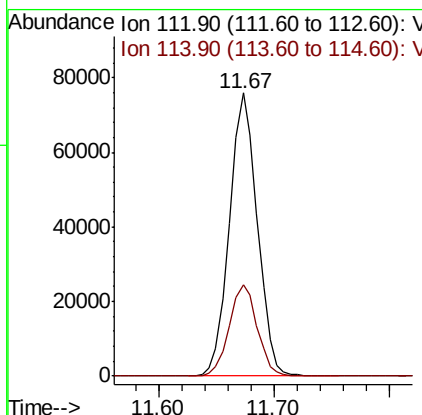
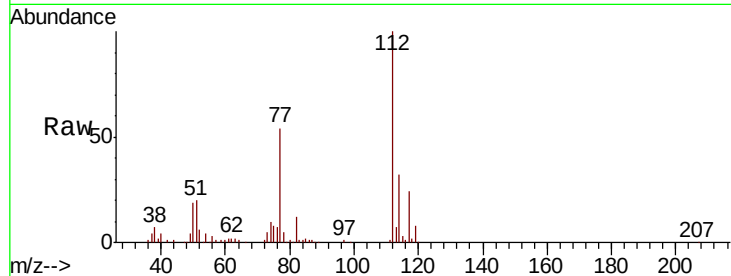




#65
Chlorobenzene
Concen: 19.472 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

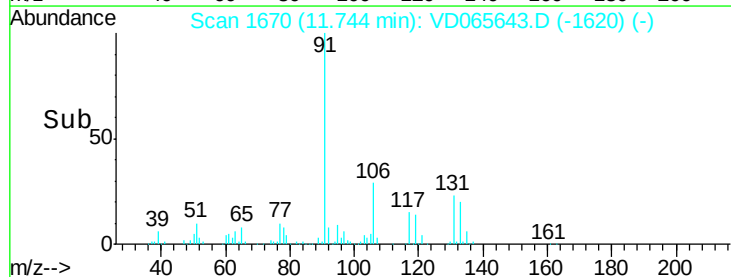
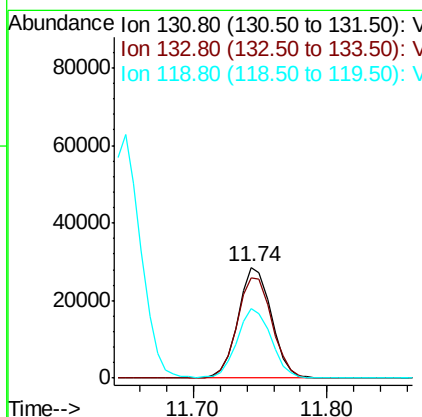
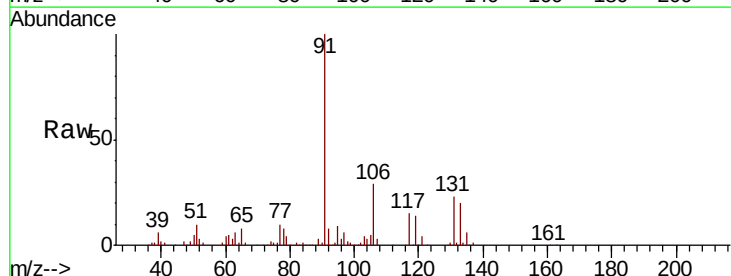
Instrument :
MSVOA_D
ClientSampleId :

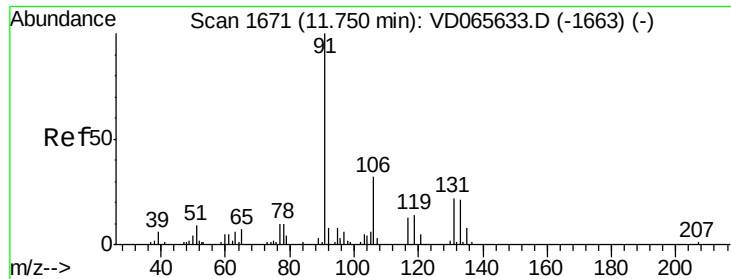
Tot Ion:112 Resp: 126881
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.860 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion:131 Resp: 49478
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 64.2 32.6 97.7





#67

Ethyl Benzene

Concen: 19.469 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

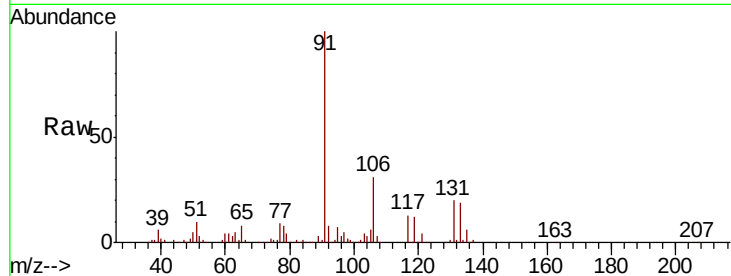
ClientSampleId :

Tot Ion: 91 Resp: 216813

Ion Ratio Lower Upper

91 100

106 31.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

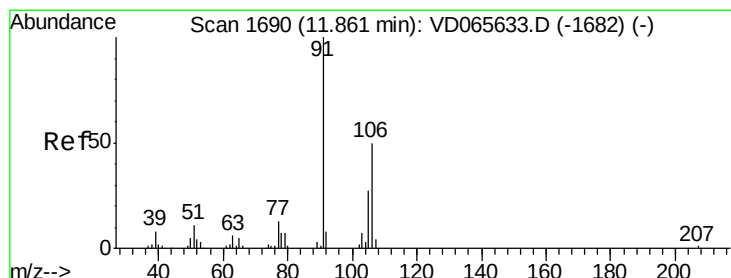
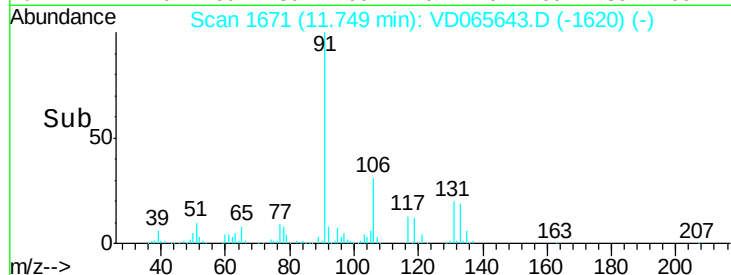
50000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 40.325 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065643.D

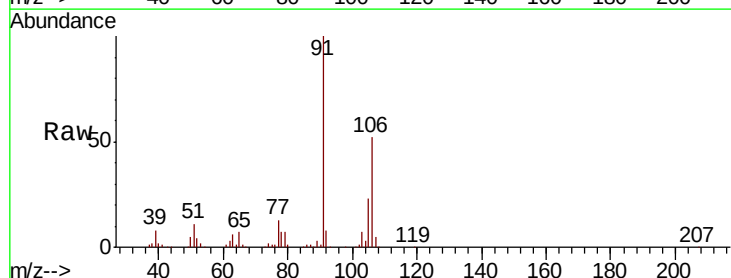
Acq: 17 Apr 2020 14:32

Tgt Ion: 106 Resp: 173488

Ion Ratio Lower Upper

106 100

91 194.7 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

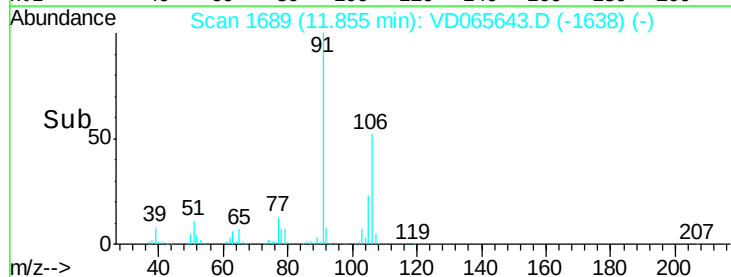
50000

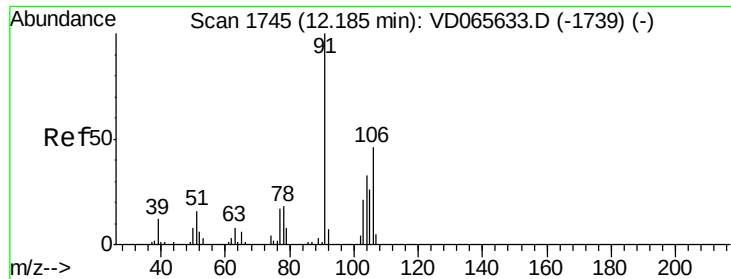
0

11.86

11.90

Time-->

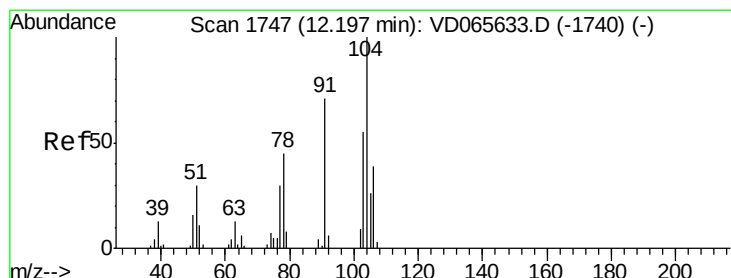
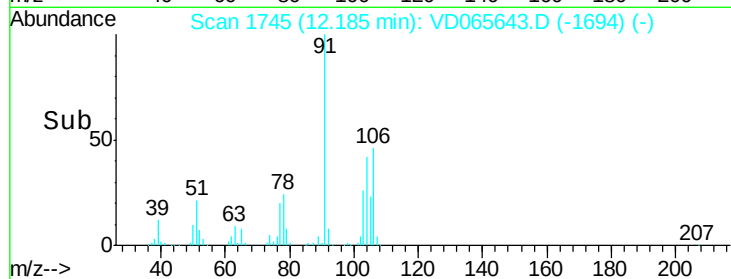
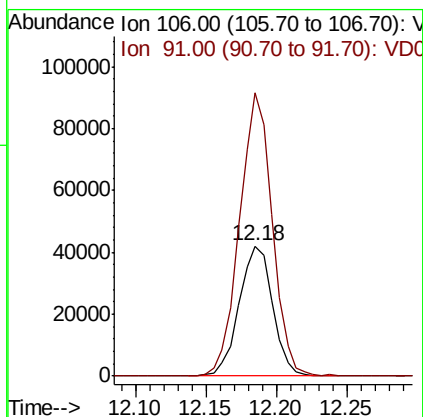
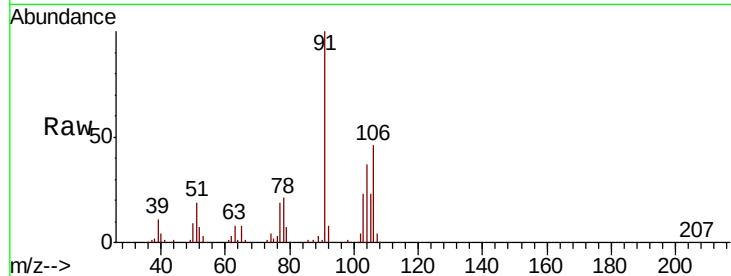




#69
o-Xylene
Concen: 18.466 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

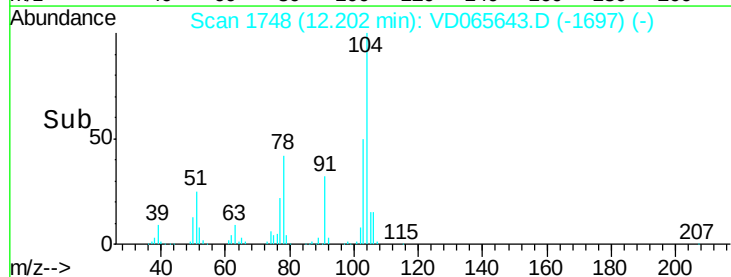
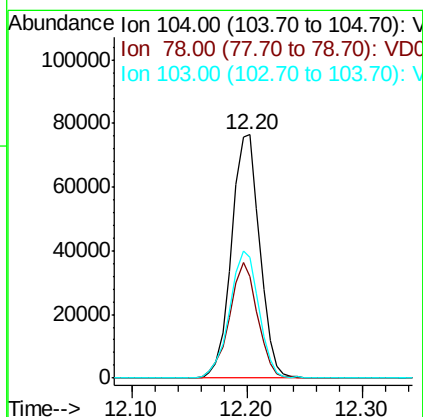
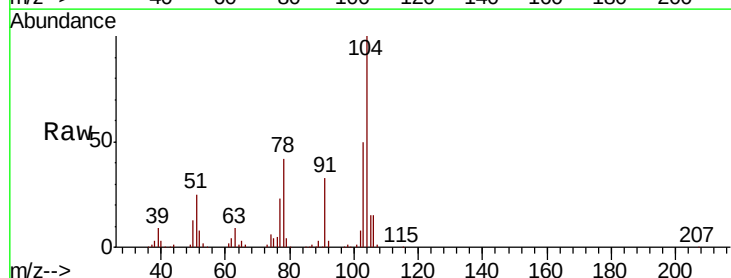
Instrument :
MSVOA_D
ClientSampled :

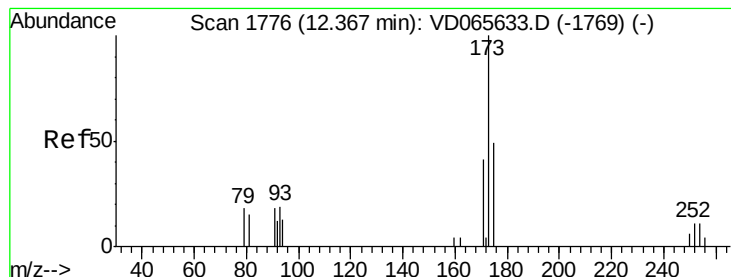
Tot Ion:106 Resp: 69708
Ion Ratio Lower Upper
106 100
91 212.7 103.6 310.9



#70
Styrene
Concen: 19.428 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion:104 Resp: 129813
Ion Ratio Lower Upper
104 100
78 47.4 37.5 56.3
103 54.3 43.4 65.0





#71

Bromoform

Concen: 18.285 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

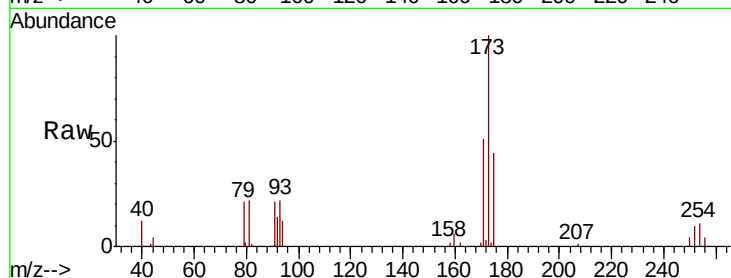
Tot Ion:173 Resp: 25592

Ion Ratio Lower Upper

173 100

175 48.1 25.1 75.2

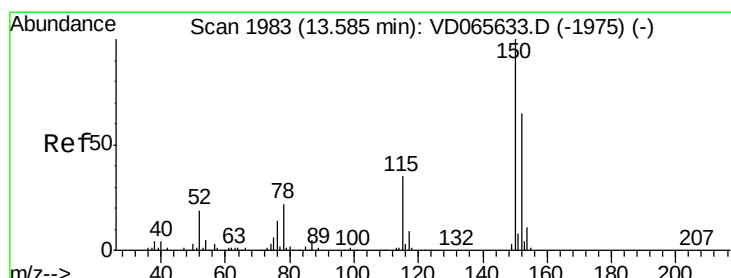
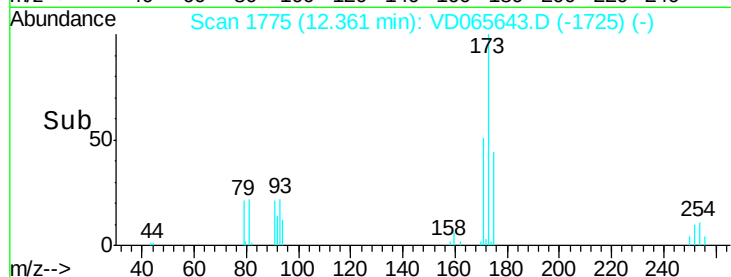
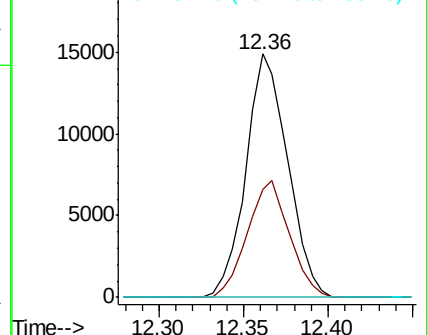
254 0.0 0.0 0.0



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: VD065643.D

Acq: 17 Apr 2020 14:32

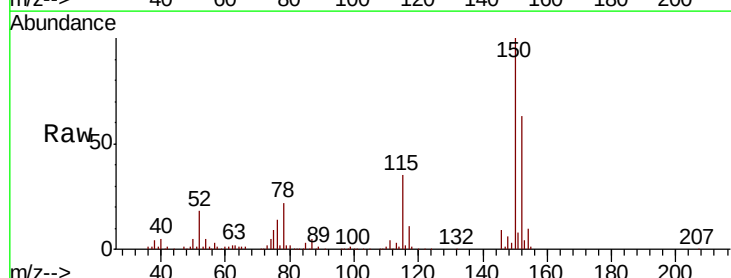
Tgt Ion:152 Resp: 173738

Ion Ratio Lower Upper

152 100

115 54.5 27.6 82.7

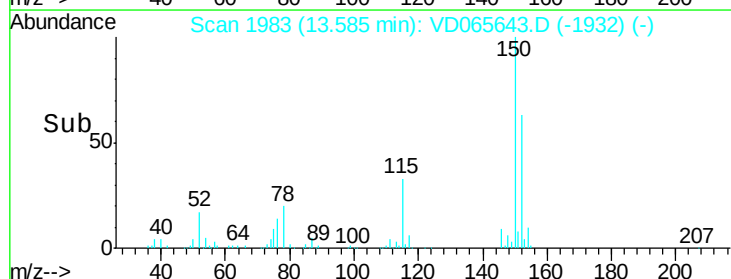
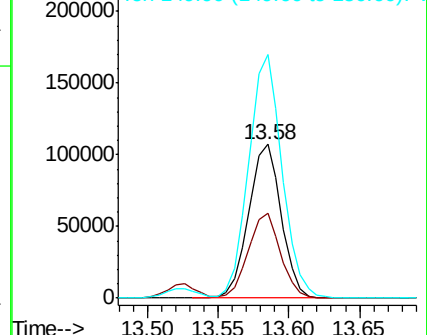
150 162.5 0.0 346.0

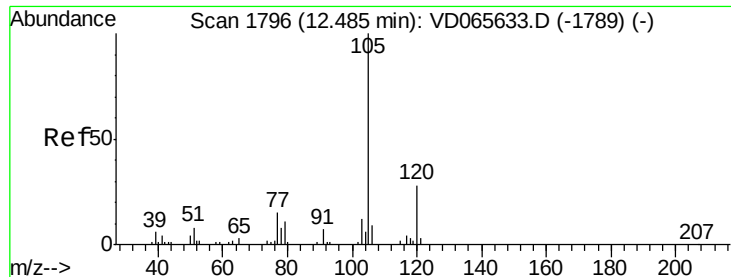


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.882 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

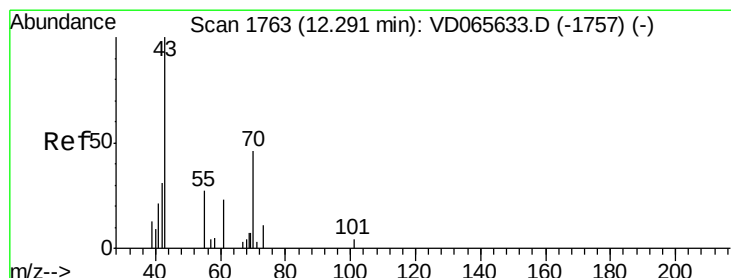
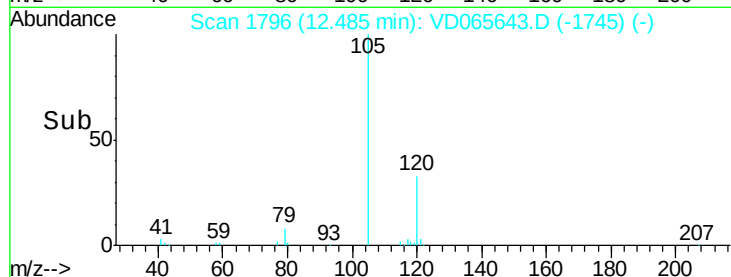
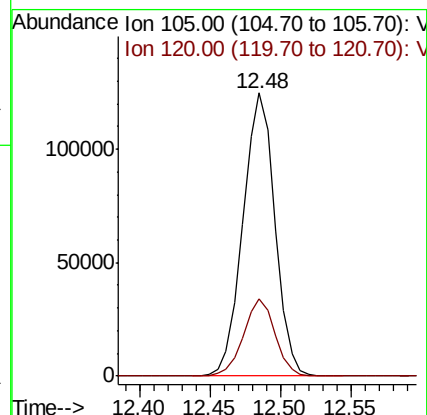
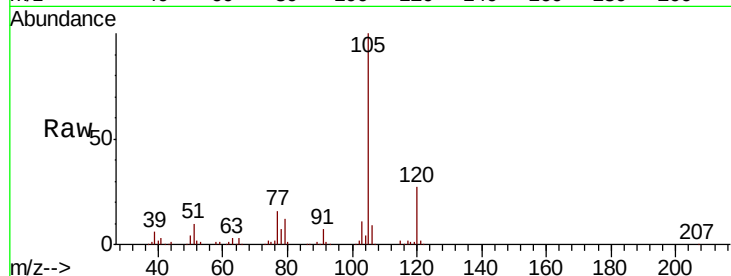
ClientSampled :

Tot Ion:105 Resp: 197855

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 17.907 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Tgt Ion: 43 Resp: 39278

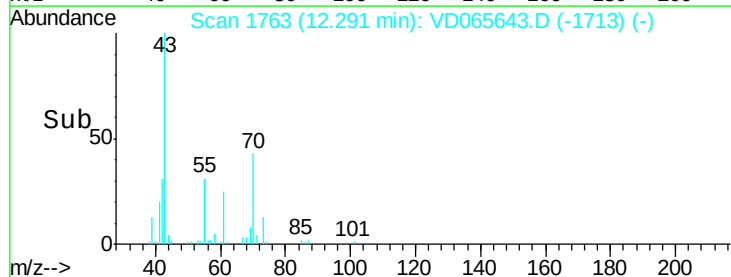
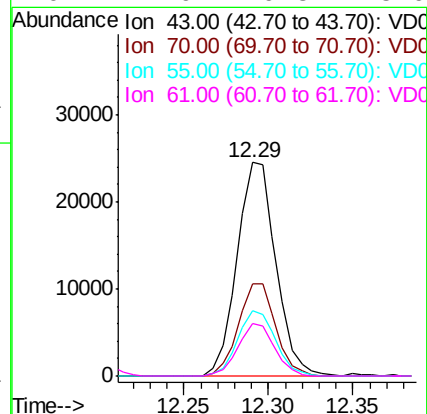
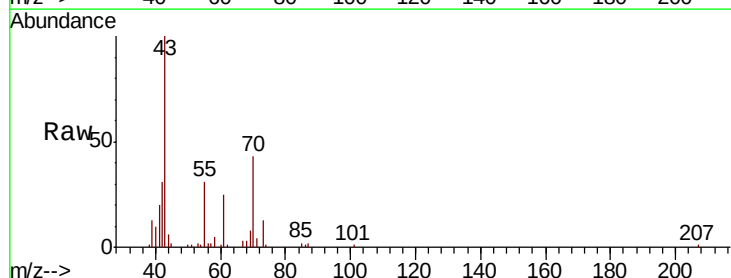
Ion Ratio Lower Upper

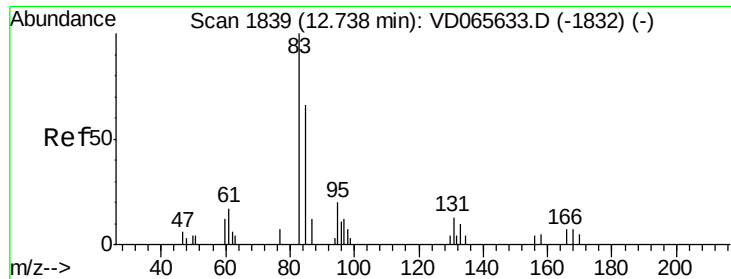
43 100

70 41.4 35.4 53.0

55 29.8 22.2 33.2

61 22.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.716 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

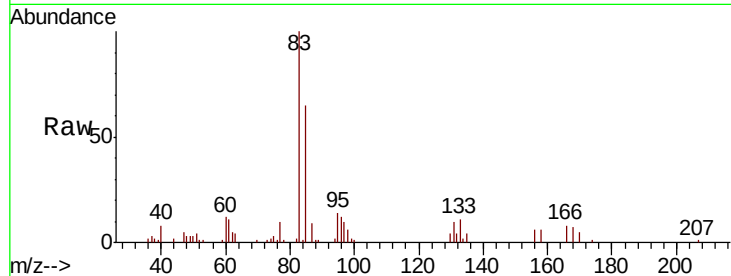
Tot Ion: 83 Resp: 37512

Ion Ratio Lower Upper

83 100

131 10.3 5.7 17.0

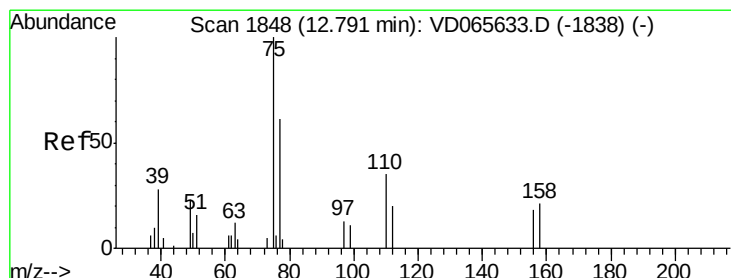
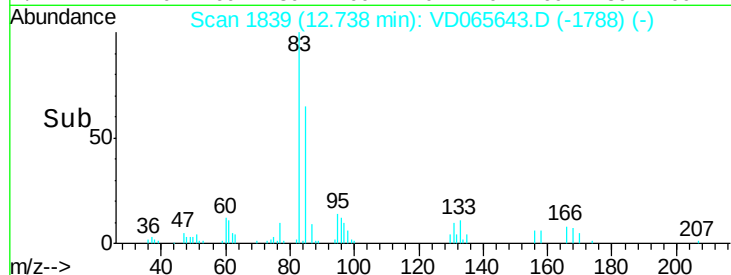
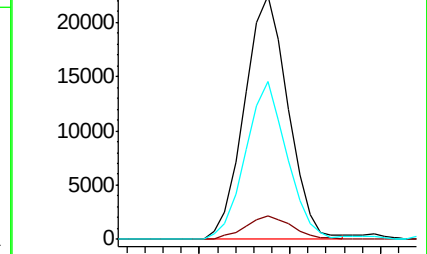
85 61.6 32.5 97.4



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: 33.991 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065643.D

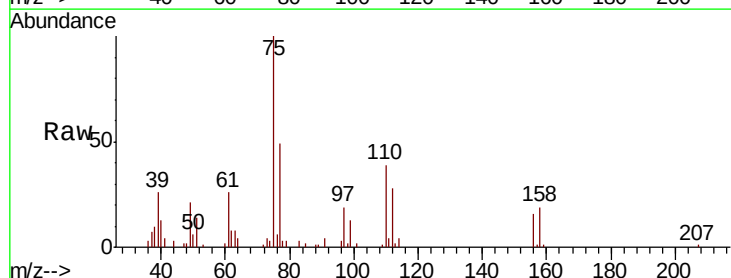
Acq: 17 Apr 2020 14:32

Tgt Ion: 75 Resp: 47482

Ion Ratio Lower Upper

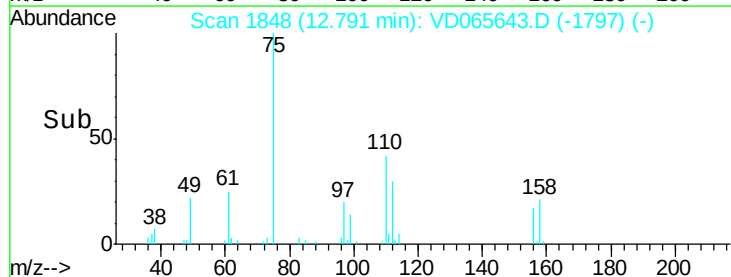
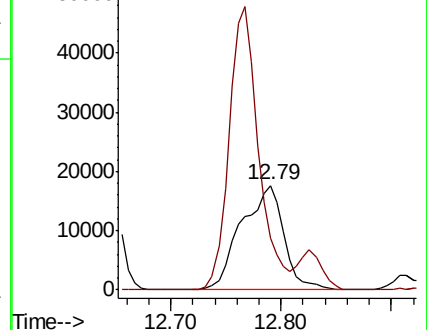
75 100

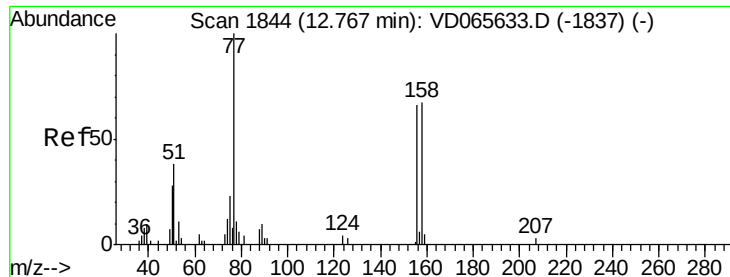
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.438 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

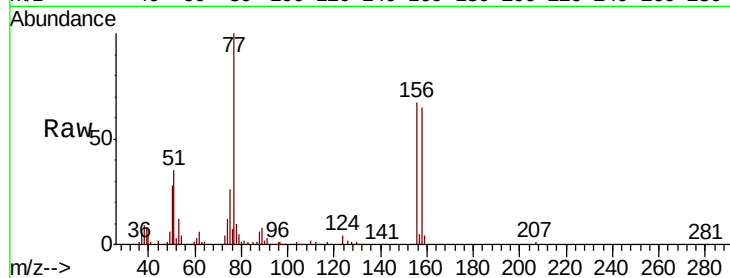
Tot Ion:156 Resp: 54090

Ion Ratio Lower Upper

156 100

77 165.8 84.7 254.1

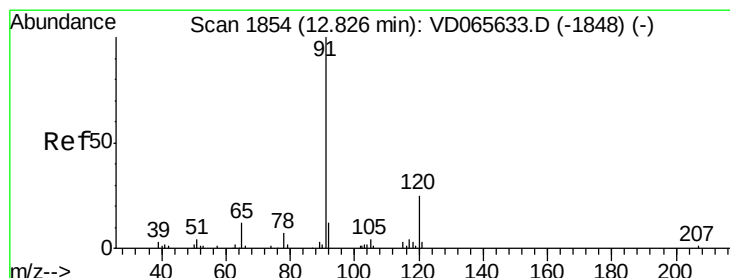
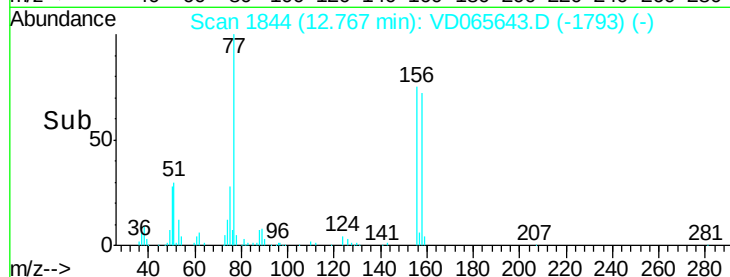
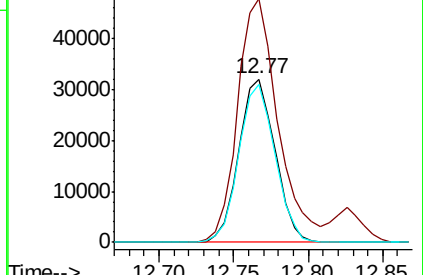
158 96.3 48.5 145.5



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: 19.753 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065643.D

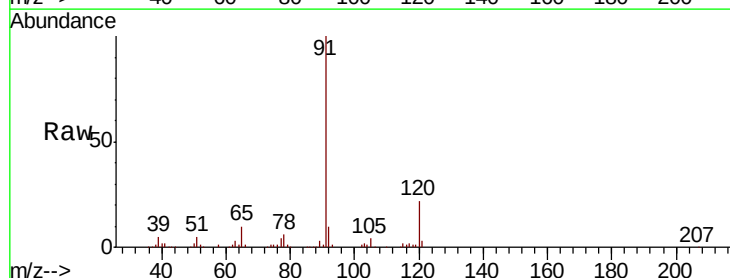
Acq: 17 Apr 2020 14:32

Tgt Ion: 91 Resp: 250393

Ion Ratio Lower Upper

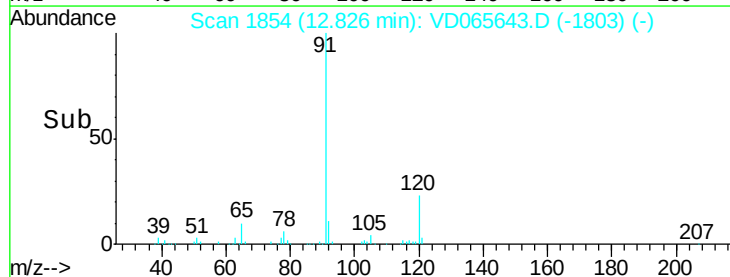
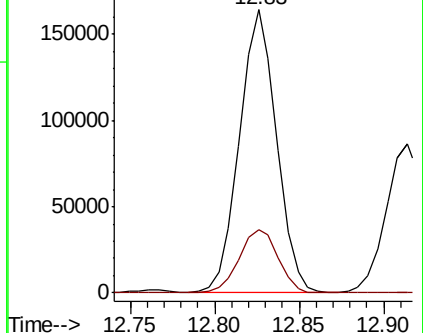
91 100

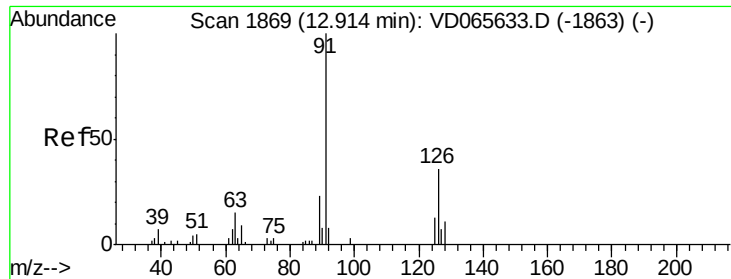
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

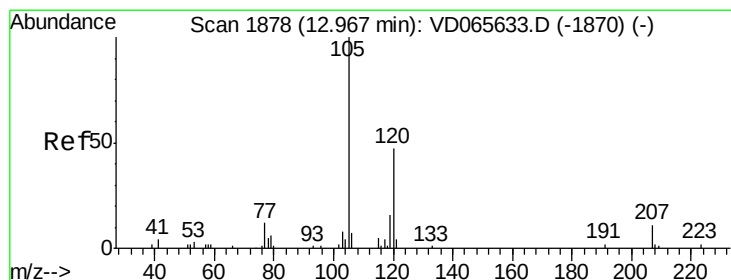
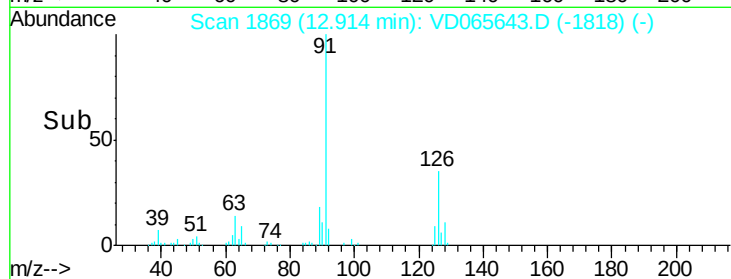
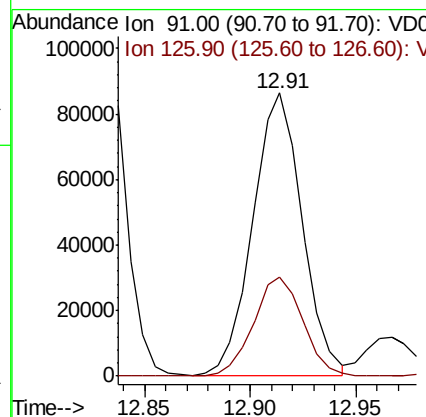
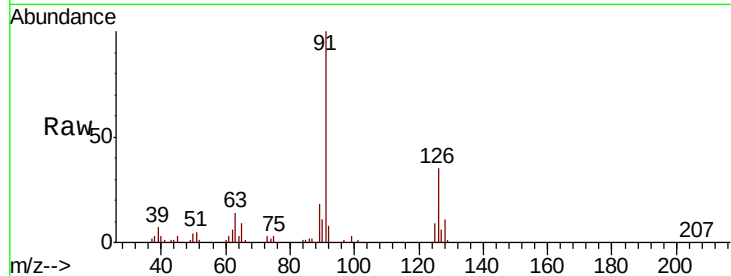




#79
 2-Chlorotoluene
 Concen: 19.494 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

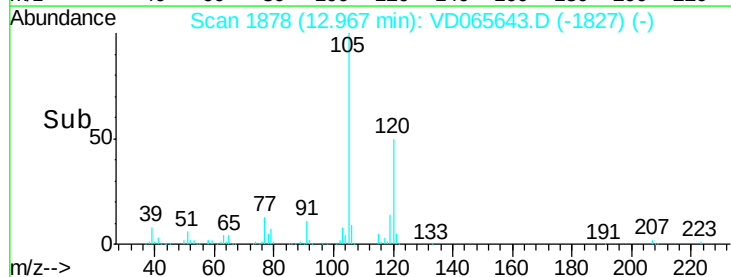
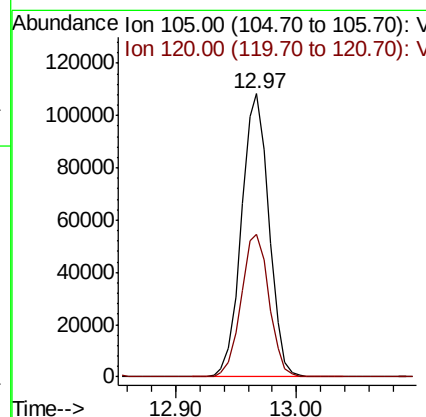
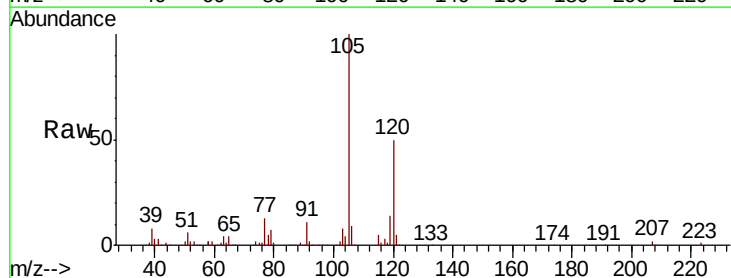
Instrument :
 MSVOA_D
 ClientSampleId :

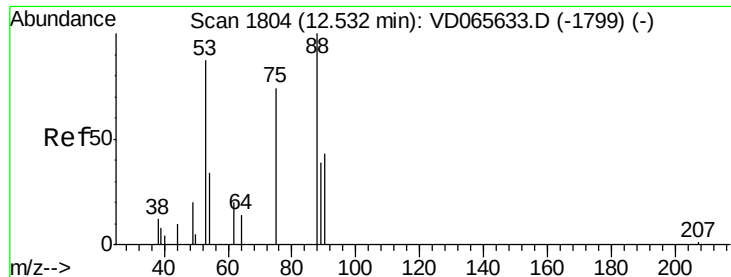
Tot Ion: 91 Resp: 140334
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.451 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Tgt Ion: 105 Resp: 172001
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.2 75.6

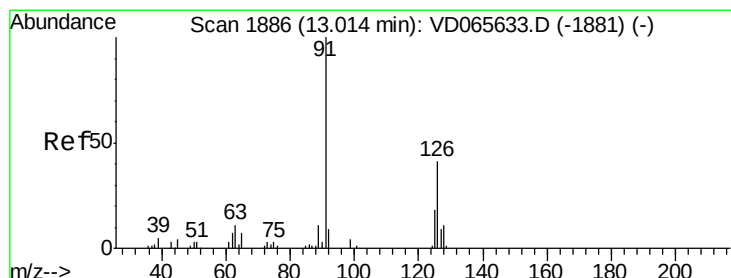
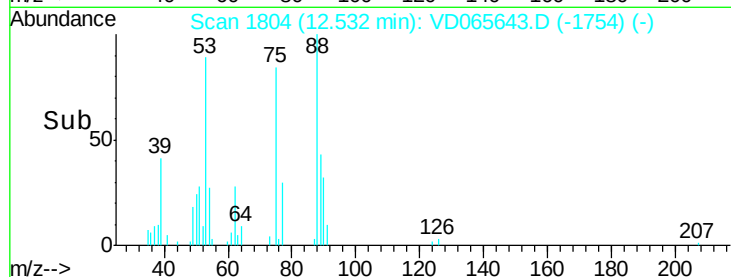
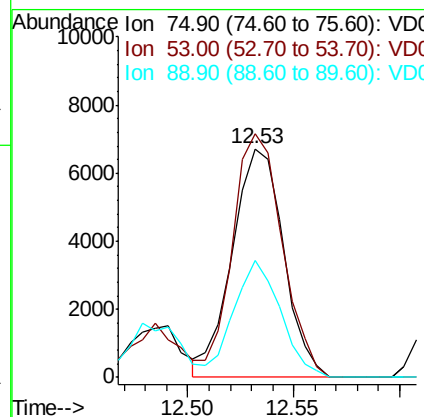
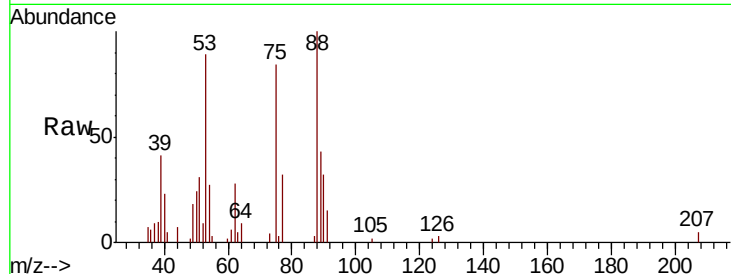




#81
trans-1,4-Dichloro-2-butene
Concen: 17.748 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

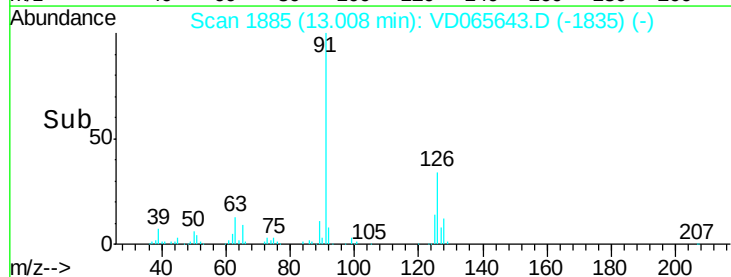
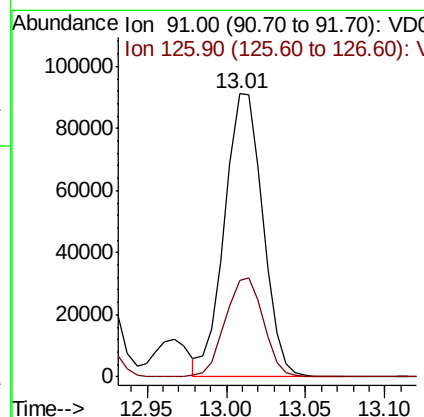
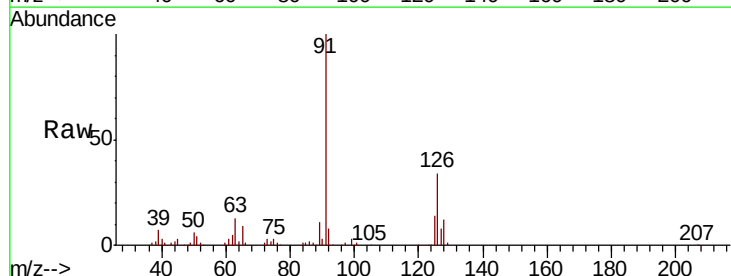
Instrument :
MSVOA_D
ClientSampleId :

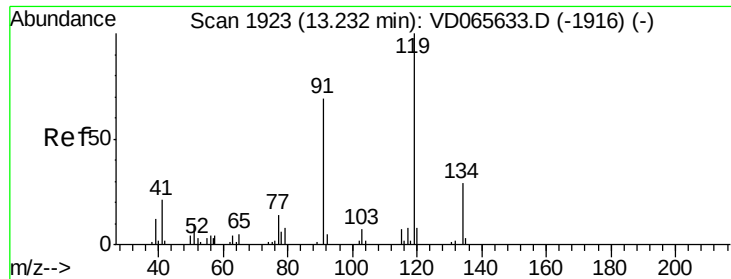
Tot Ion: 75 Resp: 11312
Ion Ratio Lower Upper
75 100
53 103.9 76.8 115.2
89 46.4 36.1 54.1



#82
4-Chlorotoluene
Concen: 19.756 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion: 91 Resp: 153039
Ion Ratio Lower Upper
91 100
126 34.8 17.5 52.6

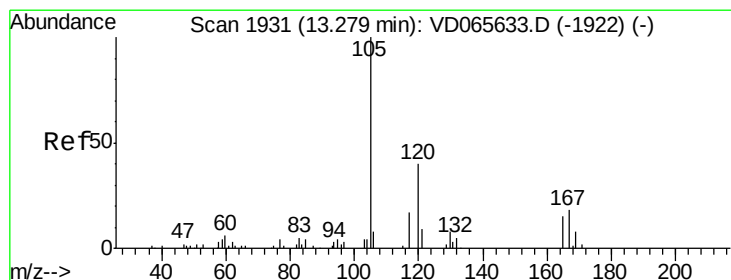
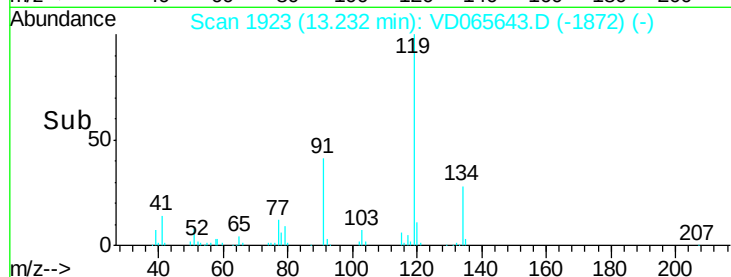
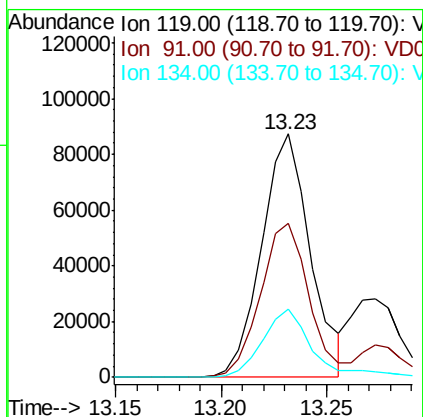
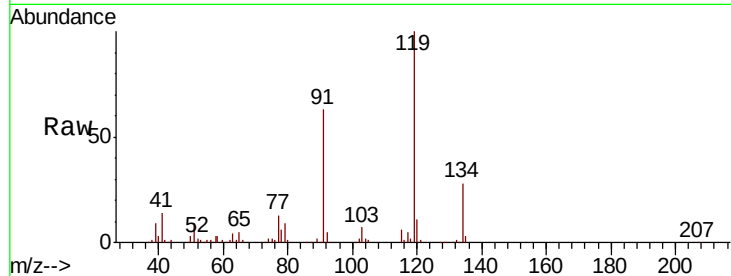




#83
 tert-Butylbenzene
 Concen: 18.912 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

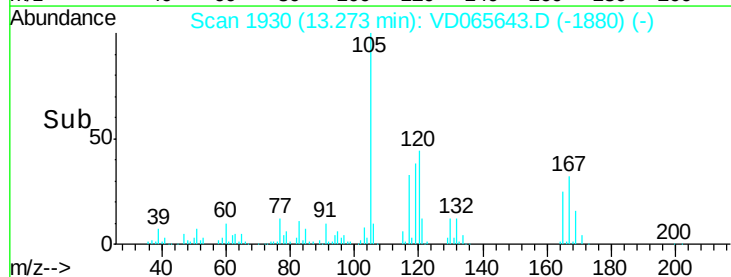
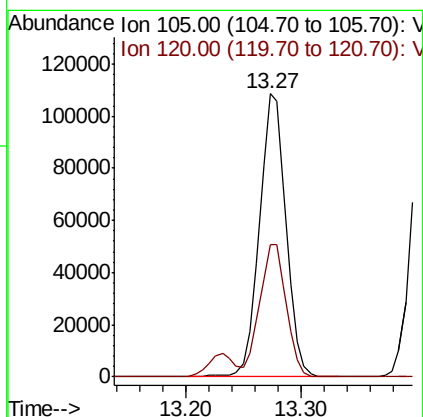
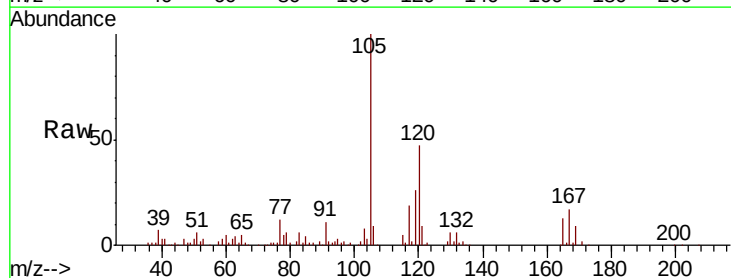
Instrument :
 MSVOA_D
 ClientSampleId :

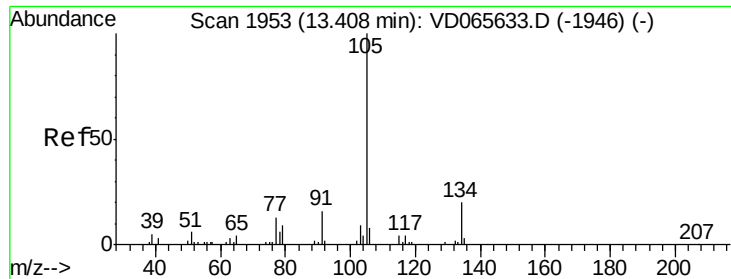
Tot Ion:119 Resp: 140222
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.7 95.1
 134 28.8 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.783 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Tgt Ion:105 Resp: 174406
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.5 70.6





#85

sec-Butylbenzene

Concen: 19.283 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

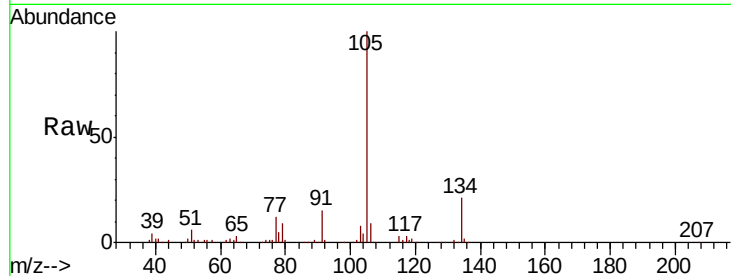
ClientSampleId :

Tot Ion:105 Resp: 204544

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

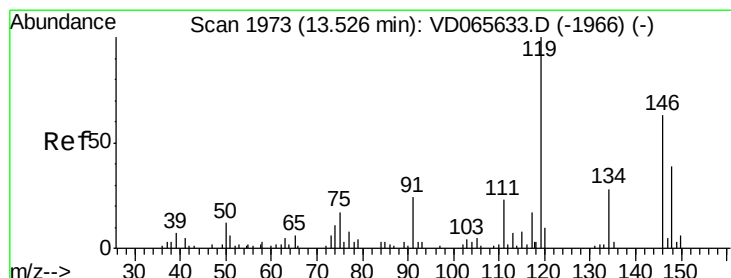
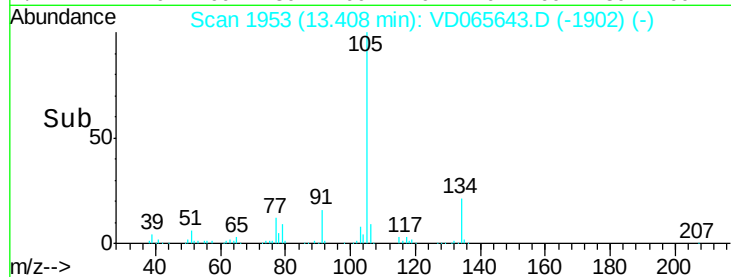
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.988 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

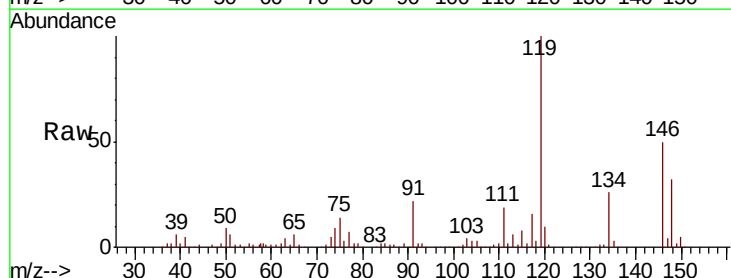
Tgt Ion:119 Resp: 189032

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.1 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

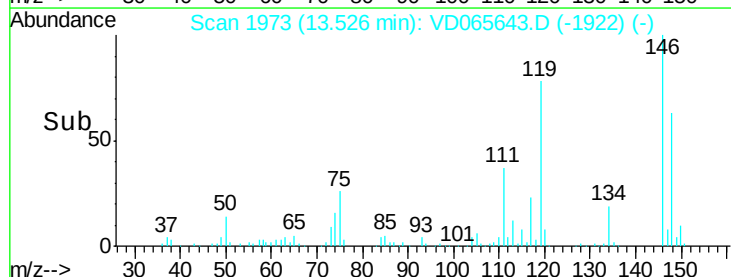
150000

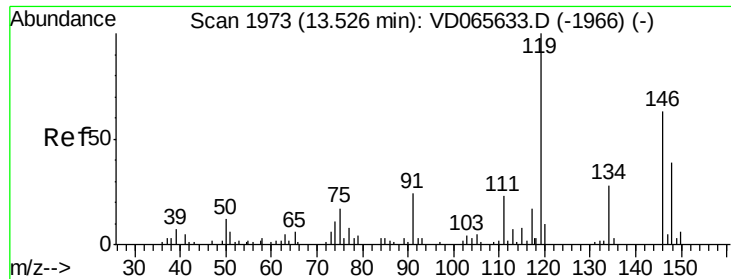
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.108 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065643.D

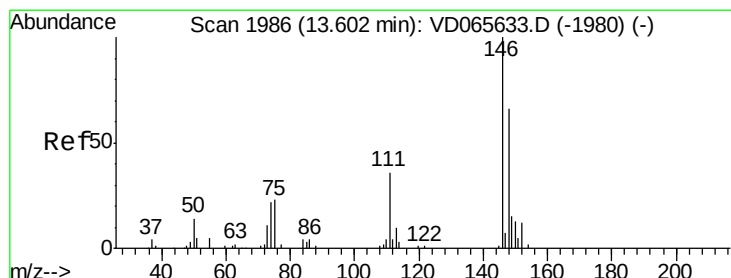
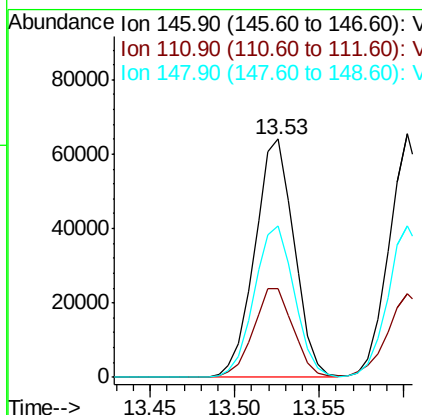
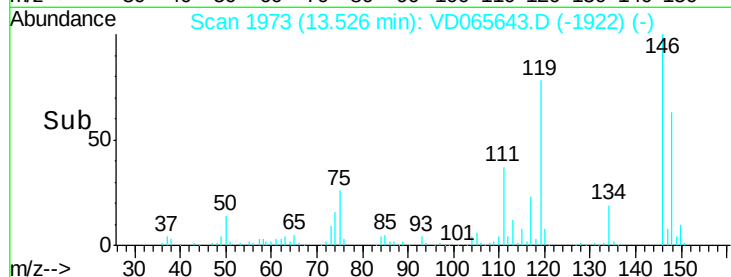
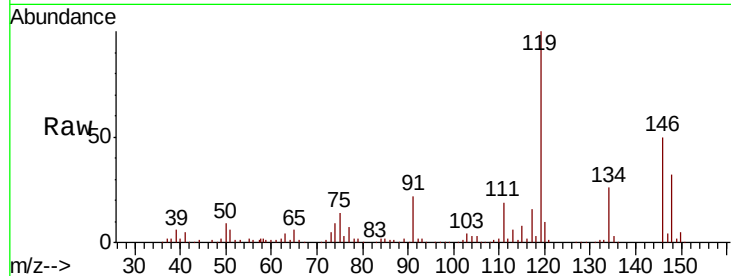
Acq: 17 Apr 2020 14:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146	Resp:	104105
Ion Ratio	Lower	Upper
146	100	
111	37.8	18.6 55.6
148	64.6	31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 19.151 ug/l

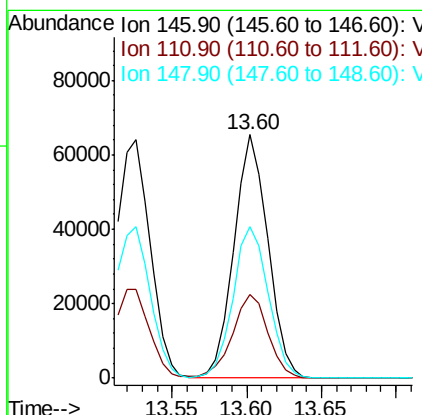
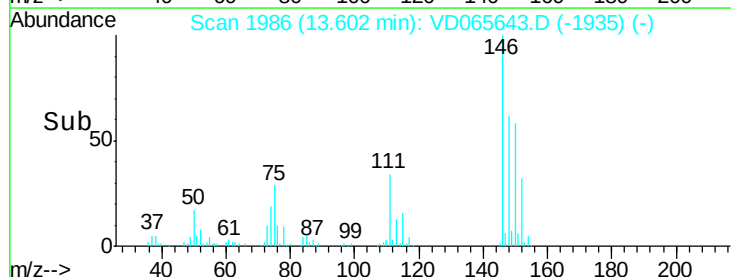
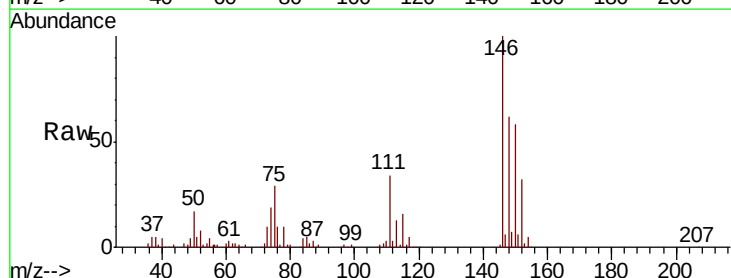
RT: 13.60 min Scan# 1986

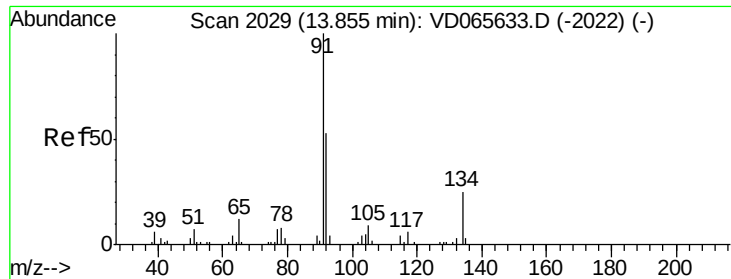
Delta R.T. -0.00 min

Lab File: VD065643.D

Acq: 17 Apr 2020 14:32

Tgt Ion:146	Resp:	103853
Ion Ratio	Lower	Upper
146	100	
111	36.0	18.0 54.0
148	64.4	31.4 94.2

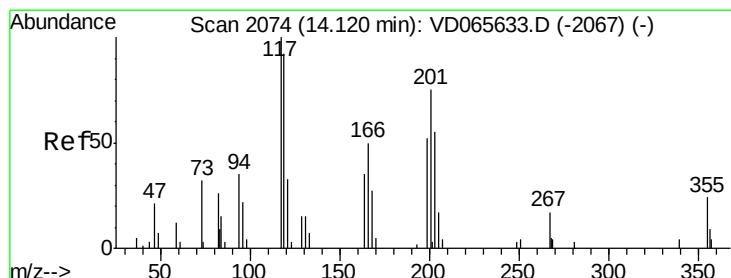
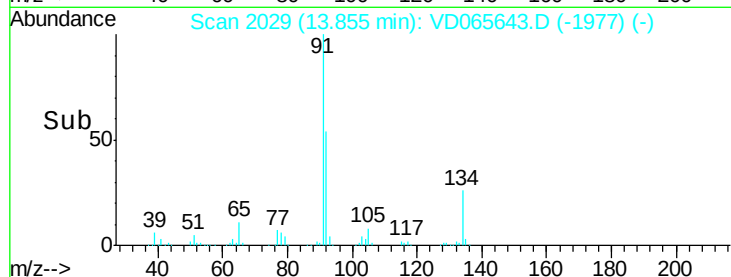
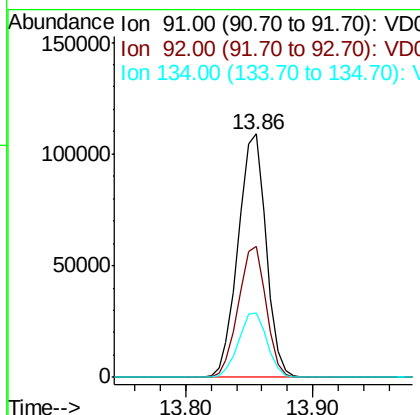
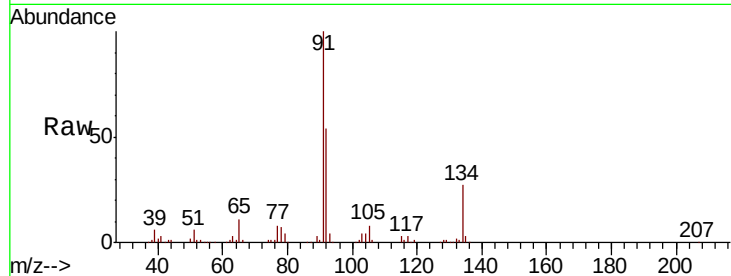




#89
n-Butylbenzene
Concen: 18.426 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

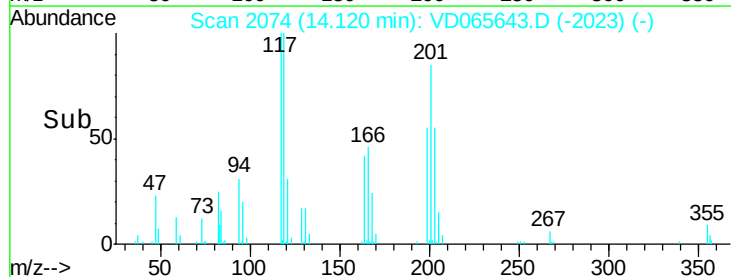
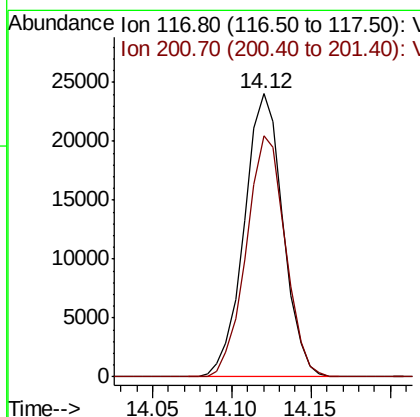
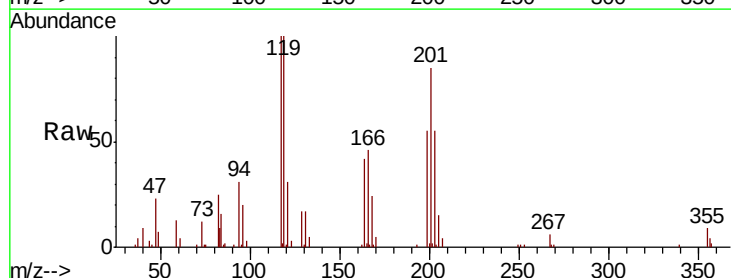
Instrument :
MSVOA_D
ClientSampled :

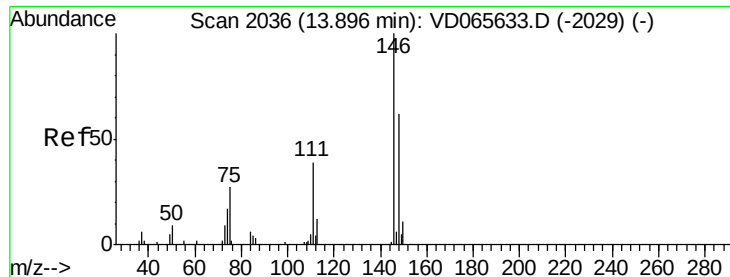
Tot Ion: 91 Resp: 166480
Ion Ratio Lower Upper
91 100
92 53.4 26.9 80.6
134 27.1 13.6 40.8



#90
Hexachloroethane
Concen: 19.591 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion: 117 Resp: 40902
Ion Ratio Lower Upper
117 100
201 85.6 44.9 134.7

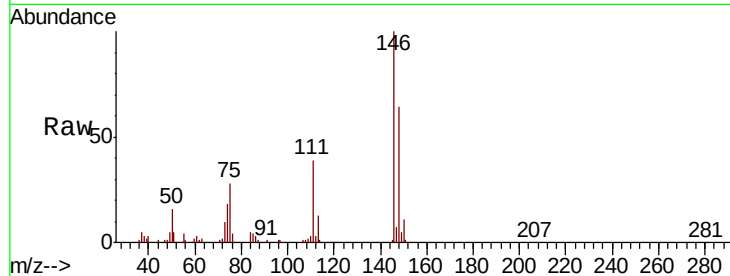




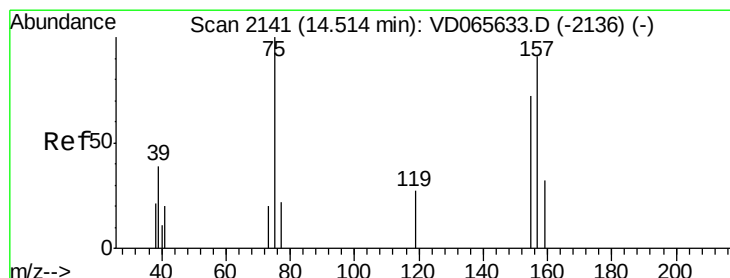
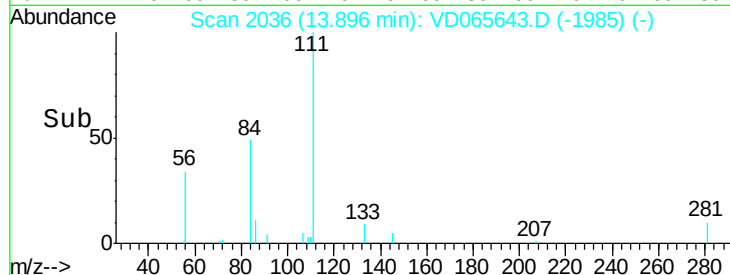
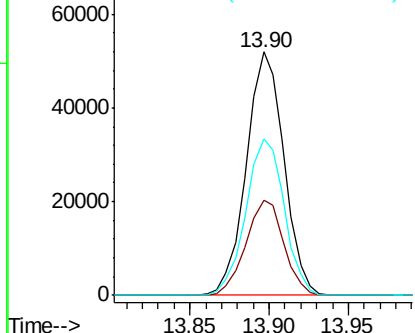
#91
 1,2-Dichlorobenzene
 Concen: 18.346 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 85704
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.3 57.9
 148 65.7 32.0 96.0

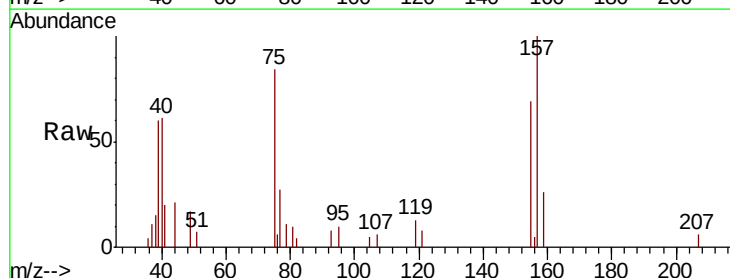


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

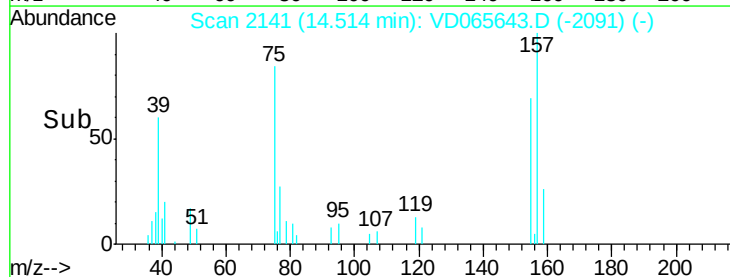
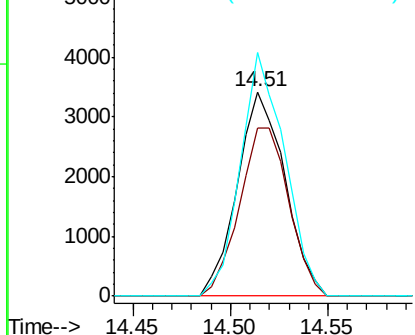


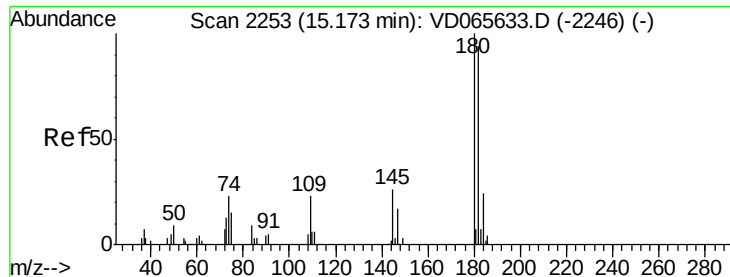
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.084 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Tgt Ion: 75 Resp: 5779
 Ion Ratio Lower Upper
 75 100
 155 85.0 48.0 144.2
 157 110.7 59.2 177.6



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

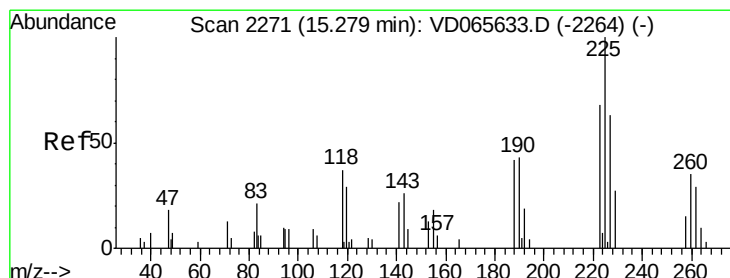
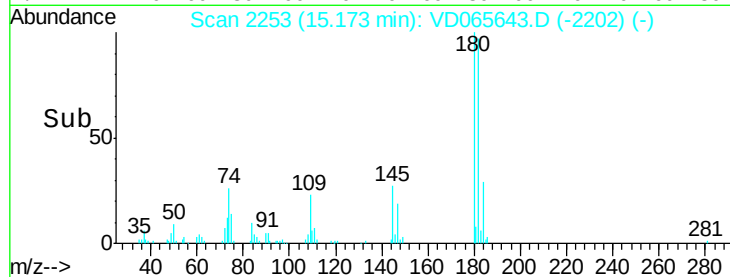
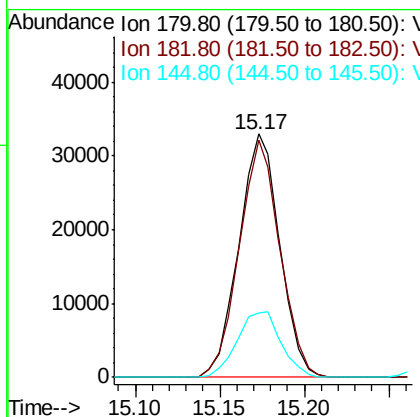
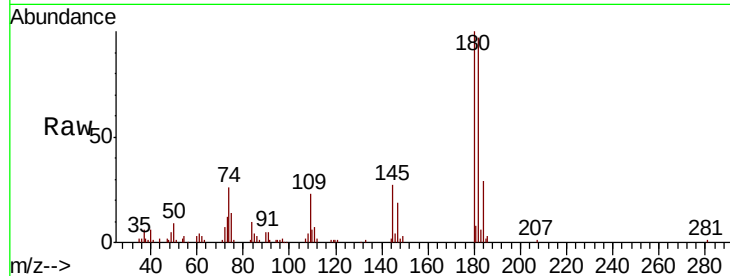




#93
 1,2,4-Trichlorobenzene
 Concen: 17.224 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

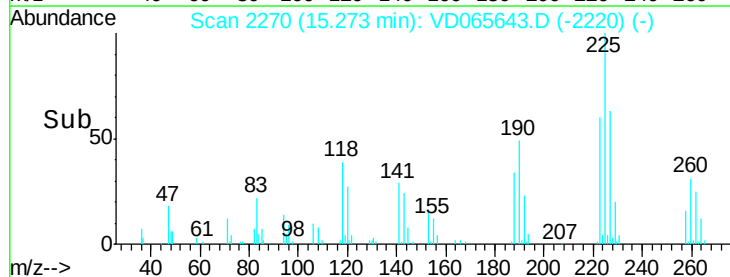
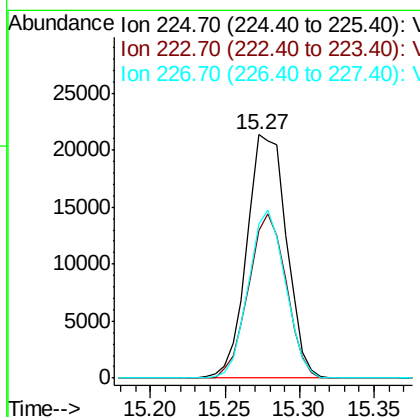
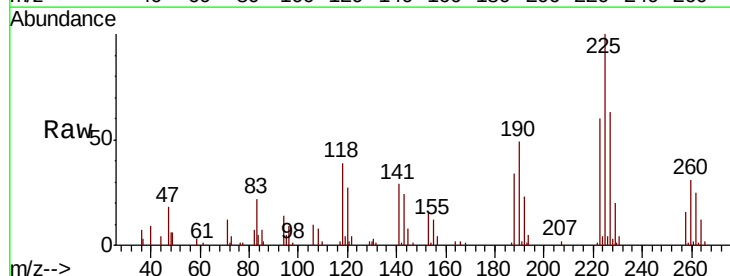
Instrument :
 MSVOA_D
 ClientSampleId :

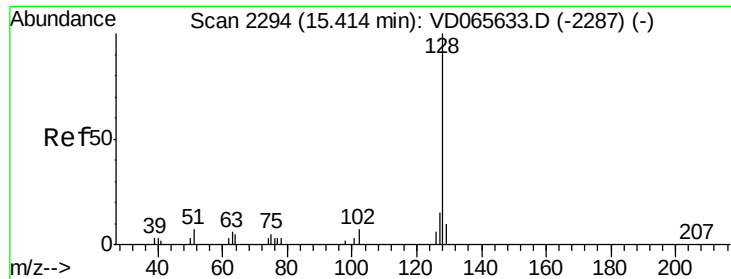
Tot Ion:180 Resp: 55342
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.9 146.6
 145 29.0 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 17.775 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD065643.D
 Acq: 17 Apr 2020 14:32

Tgt Ion:225 Resp: 39160
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.9 95.5
 227 64.5 32.0 96.2

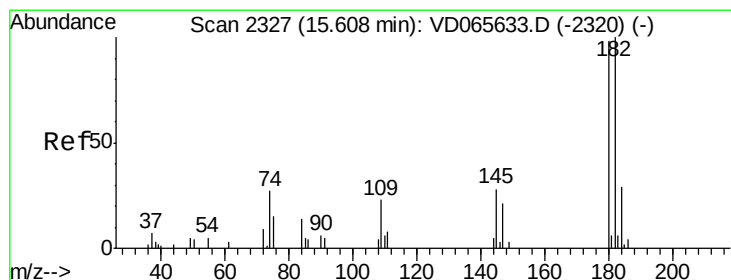
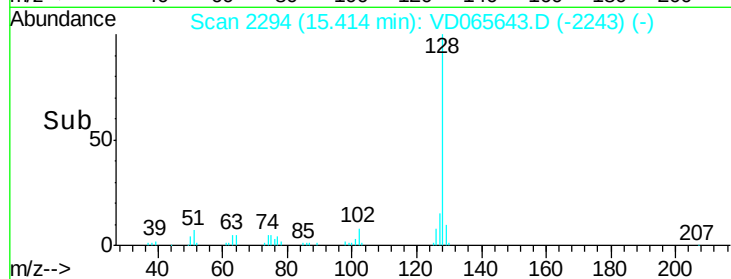
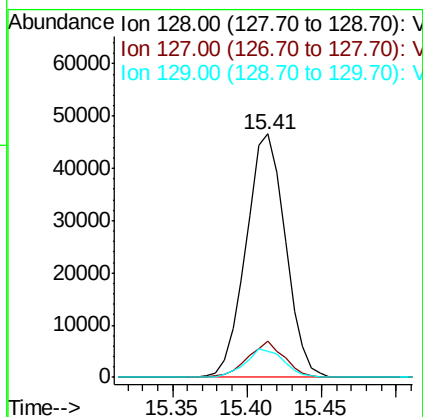
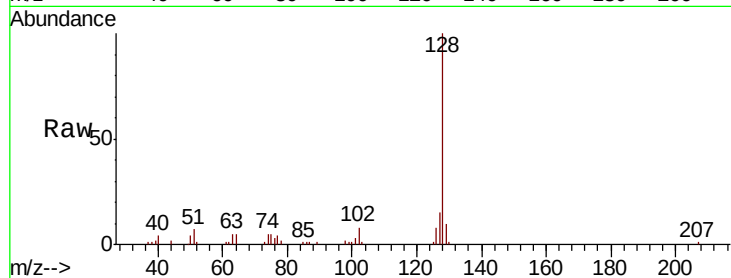




#95
Naphthalene
Concen: 18.234 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 84753
Ion Ratio Lower Upper
128 100
127 13.7 10.6 16.0
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.707 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065643.D
Acq: 17 Apr 2020 14:32

Tgt Ion:180 Resp: 53031
Ion Ratio Lower Upper
180 100
182 94.2 47.8 143.3
145 28.9 15.0 45.0

