

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050720\
 Data File : VD065706.D
 Acq On : 07 May 2020 12:01
 Operator : VA/SY
 Sample : VD0507SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Quant Time: May 08 07:39:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	423649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	636237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	571835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	195682	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.92	113	200337	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.34	98	765633	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.64	95	263314	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58156	17.502	ug/l	100
3) Chloromethane	2.21	50	84888	20.256	ug/l	99
4) Vinyl Chloride	2.34	62	86878	20.460	ug/l	97
5) Bromomethane	2.75	94	57067	21.295	ug/l	96
6) Chloroethane	2.91	64	57133	20.947	ug/l	96
7) Trichlorofluoromethane	3.27	101	129092	19.059	ug/l	100
8) Diethyl Ether	3.71	74	41033	19.337	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	80651	19.616	ug/l	98
10) Methyl Iodide	4.30	142	73885	18.320	ug/l	99
11) Tert butyl alcohol	5.22	59	40047	106.540	ug/l	97
12) 1,1-Dichloroethene	4.06	96	78407	19.403	ug/l	89
13) Acrolein	3.92	56	37879	108.634	ug/l	97
14) Allyl chloride	4.71	41	145083	18.010	ug/l	98
15) Acrylonitrile	5.43	53	94541	94.765	ug/l	97
16) Acetone	4.16	43	85066	93.891	ug/l	97
17) Carbon Disulfide	4.40	76	253969	19.113	ug/l	99
18) Methyl Acetate	4.71	43	43933	19.502	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	196422	20.047	ug/l	96
20) Methylene Chloride	4.96	84	89784	19.672	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	89296	19.303	ug/l	95
22) Diisopropyl ether	6.36	45	285085	19.030	ug/l	97
23) Vinyl Acetate	6.31	43	867140	95.838	ug/l	99
24) 1,1-Dichloroethane	6.27	63	155540	18.953	ug/l	99
25) 2-Butanone	7.21	43	128777	95.823	ug/l	100
26) 2,2-Dichloropropane	7.21	77	142234	19.250	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	99308	19.784	ug/l	96
28) Bromochloromethane	7.54	49	63458	18.540	ug/l	93
29) Tetrahydrofuran	7.57	42	84651	97.728	ug/l	98
30) Chloroform	7.71	83	153255	19.407	ug/l	99
31) Cyclohexane	7.98	56	153084	18.028	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	139457	19.050	ug/l	98
36) 1,1-Dichloropropene	8.11	75	125285	19.828	ug/l	97
37) Ethyl Acetate	7.30	43	59079	19.418	ug/l #	96
38) Carbon Tetrachloride	8.10	117	127069	20.283	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159895	20.156	ug/l	98
40) Benzene	8.36	78	340817	19.750	ug/l	98
41) Methacrylonitrile	7.53	41	37384	21.303	ug/l	88
42) 1,2-Dichloroethane	8.43	62	101390	20.419	ug/l	99
43) Isopropyl Acetate	8.46	43	119654	19.667	ug/l	99
44) Trichloroethene	9.11	130	98321	20.675	ug/l	92
45) 1,2-Dichloropropane	9.39	63	87366	19.577	ug/l #	89
46) Dibromomethane	9.48	93	46594	20.815	ug/l	96
47) Bromodichloromethane	9.67	83	122029	20.385	ug/l	97
48) Methyl methacrylate	9.46	41	58238	19.117	ug/l	92
49) 1,4-Dioxane	9.47	88	11828	431.057	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	296079	100.975	ug/l	97
52) Toluene	10.41	92	223550	20.485	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	123521	20.372	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	145579	20.380	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	64935	21.518	ug/l	98
56) Ethyl methacrylate	10.67	69	90558	20.783	ug/l	95
57) 1,3-Dichloropropane	10.95	76	114097	21.030	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	202061	101.013	ug/l	97
59) 2-Hexanone	10.99	43	207164	102.721	ug/l	99
60) Dibromochloromethane	11.14	129	83920	20.701	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62670	20.640	ug/l	95
64) Tetrachloroethene	10.88	164	84582	20.784	ug/l	94
65) Chlorobenzene	11.67	112	234492	20.353	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	88329	20.563	ug/l	97
67) Ethyl Benzene	11.75	91	431020	20.054	ug/l	99
68) m/p-Xylenes	11.86	106	328031	40.939	ug/l	96
69) o-Xylene	12.18	106	153937	20.589	ug/l	96
70) Styrene	12.20	104	266305	20.716	ug/l	98
71) Bromoform	12.37	173	52094	21.553	ug/l #	100
73) Isopropylbenzene	12.48	105	419624	19.831	ug/l	100
74) N-amyl acetate	12.30	43	114249	18.913	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	72235	20.358	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	47677m	20.213	ug/l	
77) Bromobenzene	12.77	156	101636	20.946	ug/l	92
78) n-propylbenzene	12.83	91	494466	19.846	ug/l	100
79) 2-Chlorotoluene	12.91	91	275123	19.544	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	346476	19.944	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26097	19.585	ug/l	98
82) 4-Chlorotoluene	13.01	91	288748	19.602	ug/l	99
83) tert-Butylbenzene	13.23	119	299895	20.281	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	341239	19.719	ug/l	99
85) sec-Butylbenzene	13.41	105	412423	19.883	ug/l	98
86) p-Isopropyltoluene	13.53	119	383519	20.290	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	186810	20.484	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	185967	20.668	ug/l	99
89) n-Butylbenzene	13.86	91	366777	20.028	ug/l	99
90) Hexachloroethane	14.12	117	72218	19.182	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	163723	20.805	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11770	19.734	ug/l	87

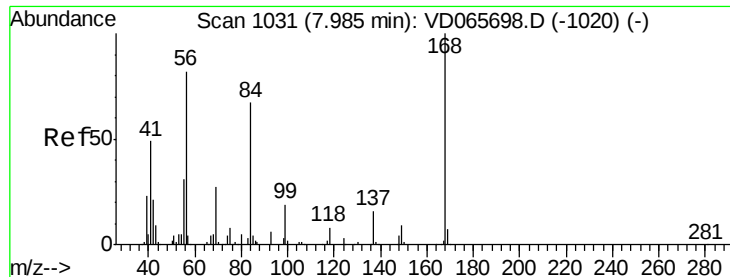
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Operator : VA/SY
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	125668	21.284	ug/l	99
94) Hexachlorobutadiene	15.28	225	72007	21.044	ug/l	99
95) Naphthalene	15.41	128	214537	20.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	108422	21.588	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

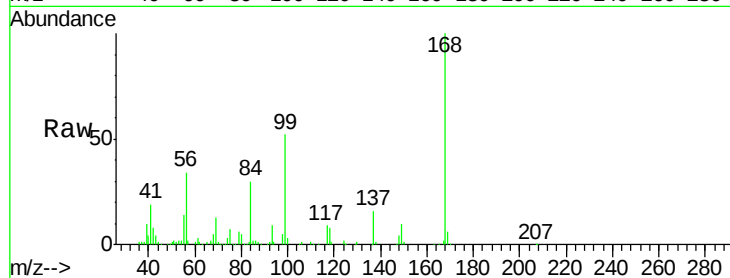
VD0507SBS01

Tot Ion:168 Resp: 423649

Ion Ratio Lower Upper

168 100

99 51.8 44.2 66.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

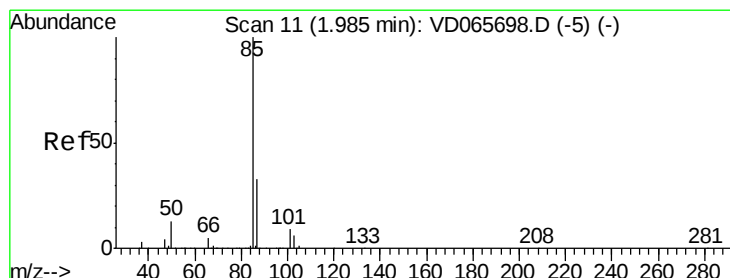
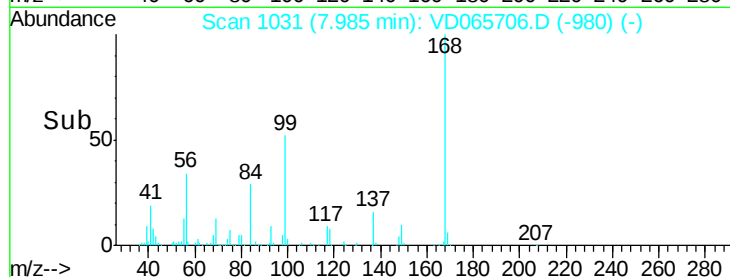
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.502 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065706.D

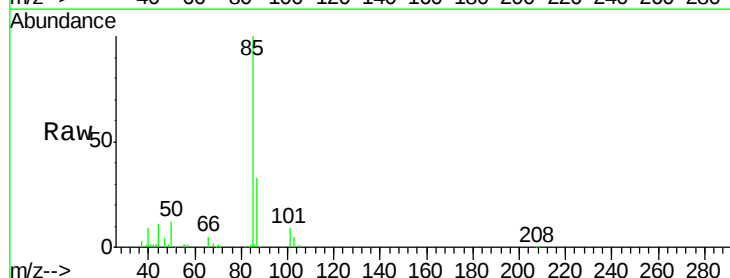
Acq: 07 May 2020 12:01

Tgt Ion: 85 Resp: 58156

Ion Ratio Lower Upper

85 100

87 32.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

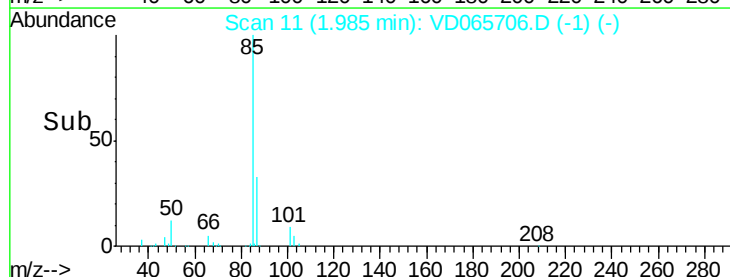
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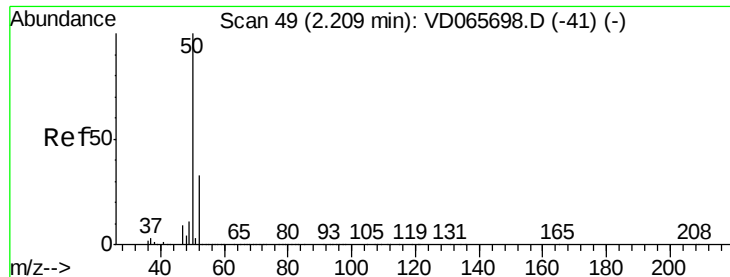
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.256 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

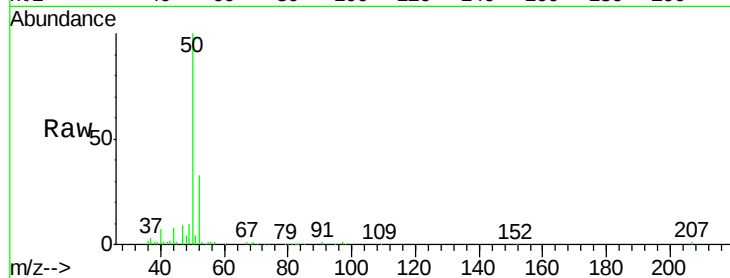
VD0507SBSD01

Tot Ion: 50 Resp: 84888

Ion Ratio Lower Upper

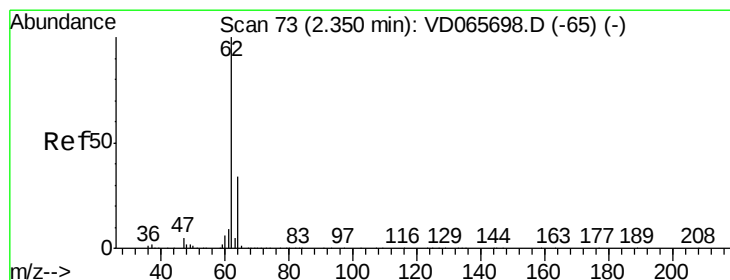
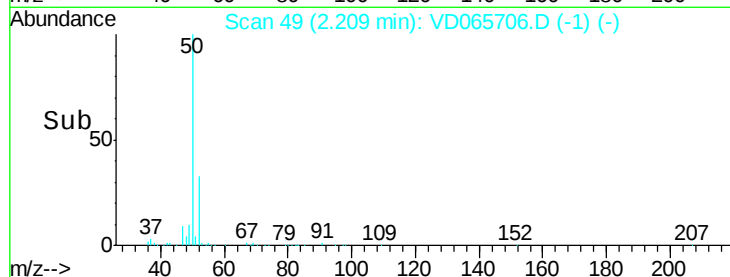
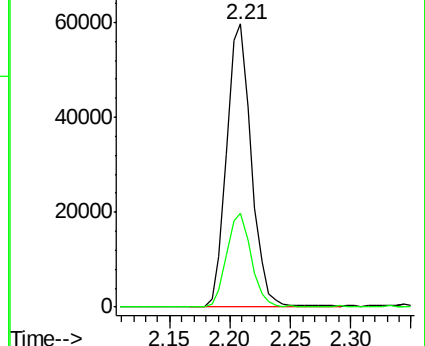
50 100

52 33.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.460 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065706.D

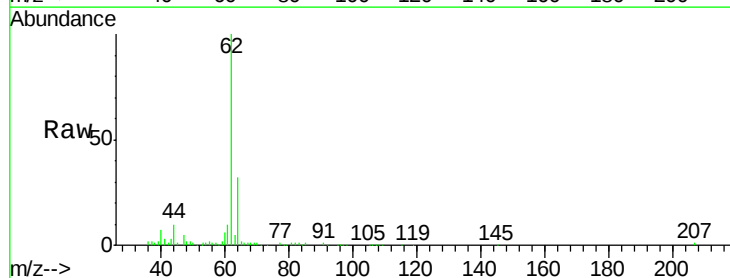
Acq: 07 May 2020 12:01

Tgt Ion: 62 Resp: 86878

Ion Ratio Lower Upper

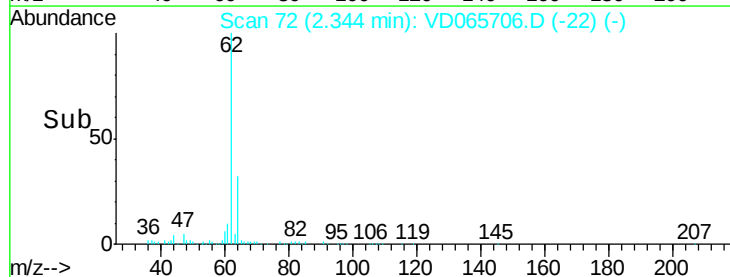
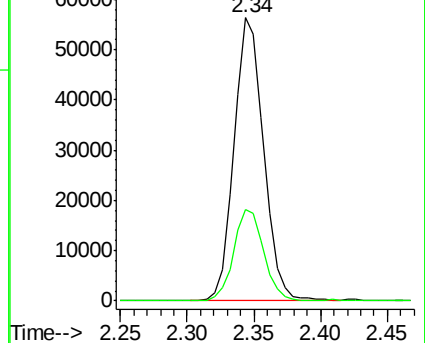
62 100

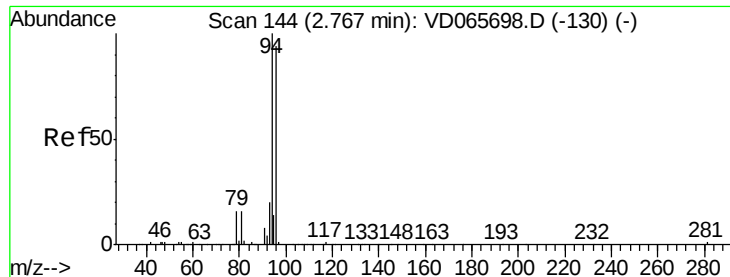
64 32.1 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.295 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

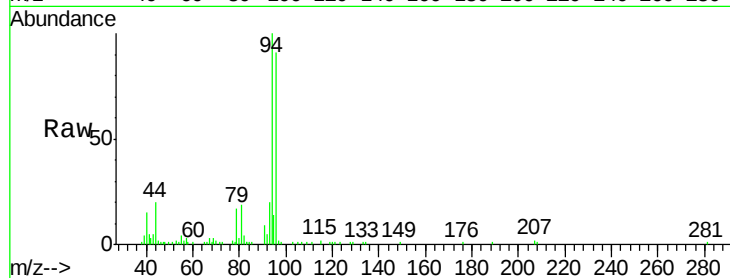
VD0507SBS01

Tot Ion: 94 Resp: 57067

Ion Ratio Lower Upper

94 100

96 89.9 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

30000

25000

20000

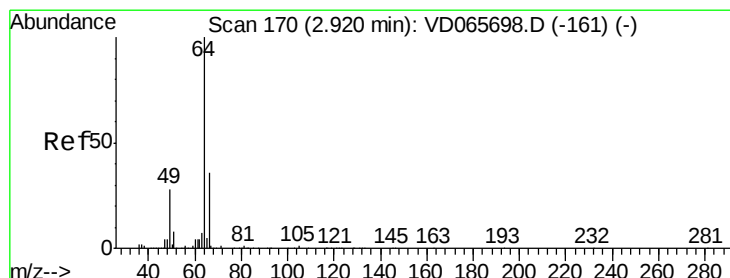
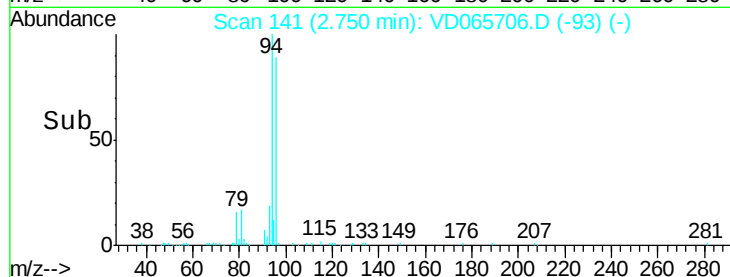
15000

10000

5000

0

Time--> 2.60 2.70 2.80



#6

Chloroethane

Concen: 20.947 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065706.D

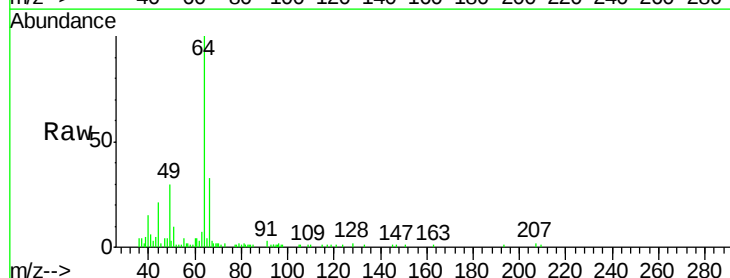
Acq: 07 May 2020 12:01

Tgt Ion: 64 Resp: 57133

Ion Ratio Lower Upper

64 100

66 33.2 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

30000

25000

20000

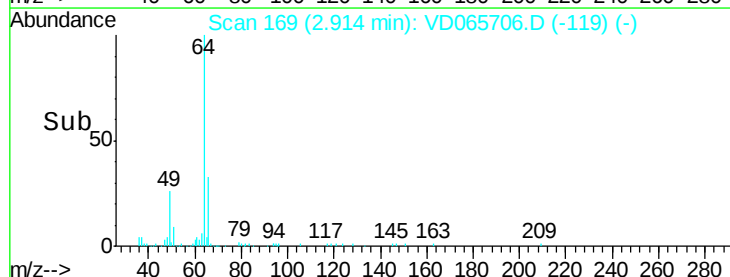
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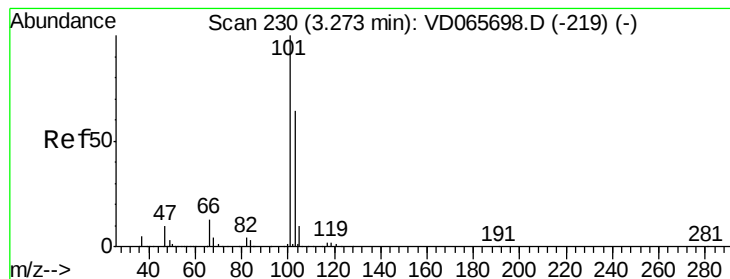
10000

5000

0

Time--> 2.80 2.90 3.00



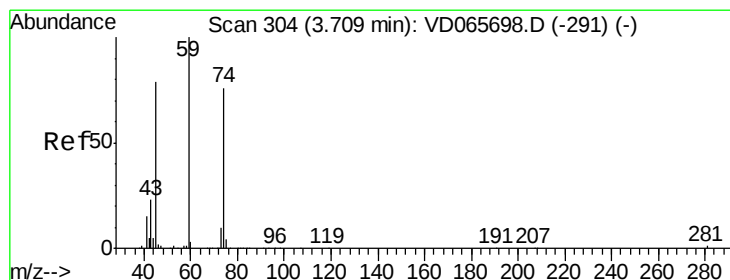
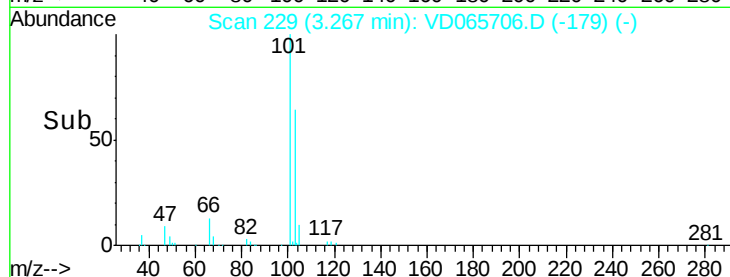
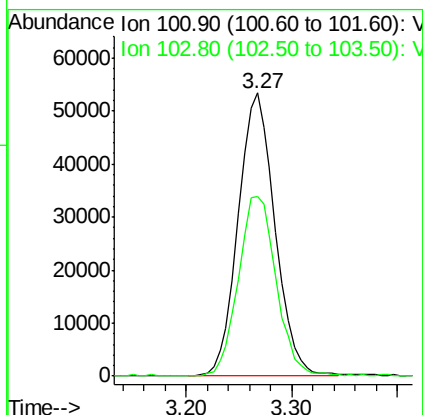
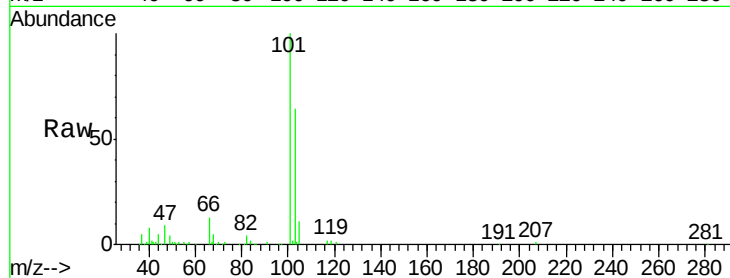


#7

Trichlorofluoromethane
 Concen: 19.059 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

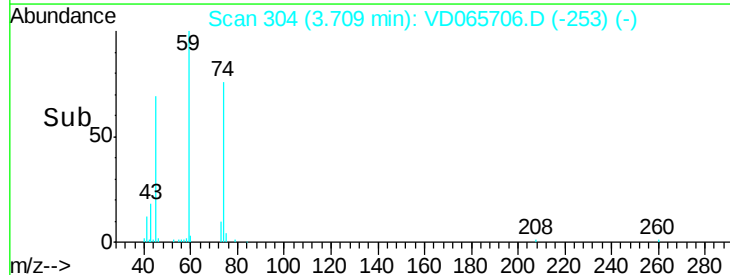
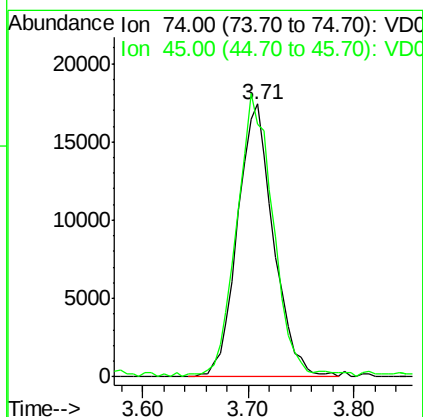
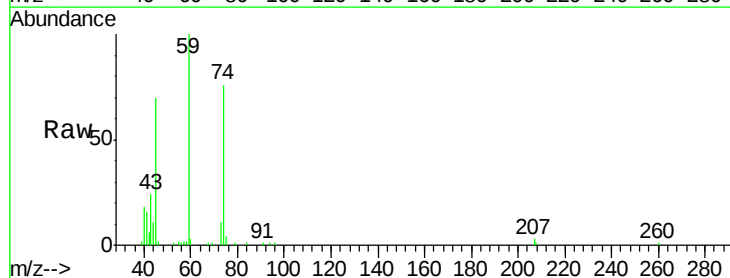
Tot Ion:101 Resp: 129092
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.1 76.7

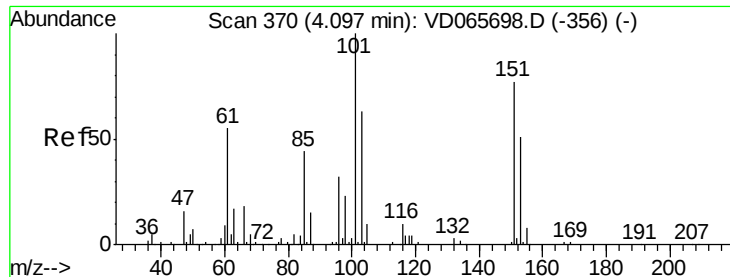


#8

Diethyl Ether
 Concen: 19.337 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Tgt Ion: 74 Resp: 41033
 Ion Ratio Lower Upper
 74 100
 45 104.7 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.616 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBSD01

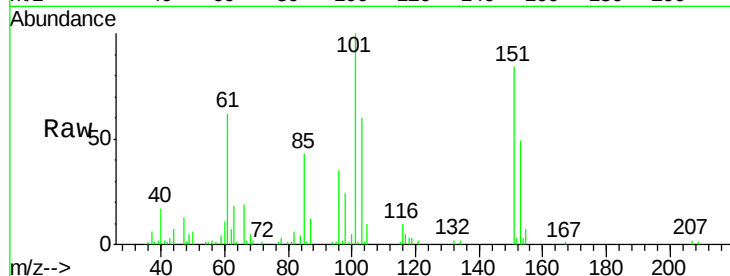
Tot Ion:101 Resp: 80651

Ion Ratio Lower Upper

101 100

85 43.9 34.4 51.6

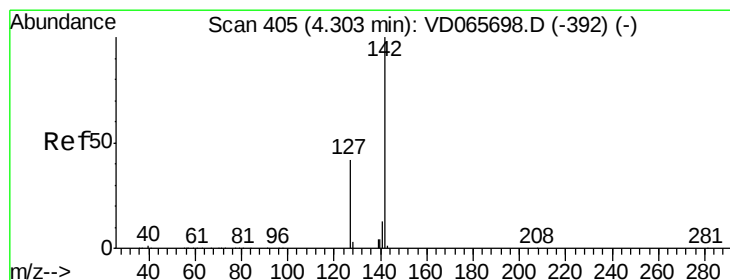
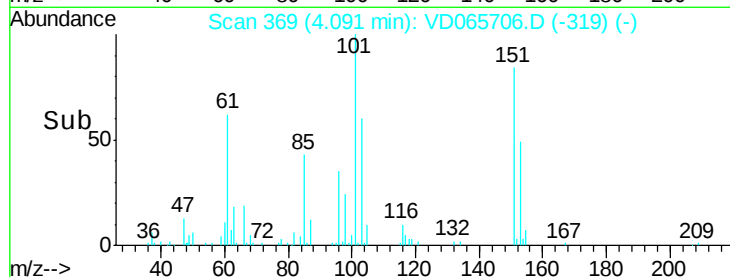
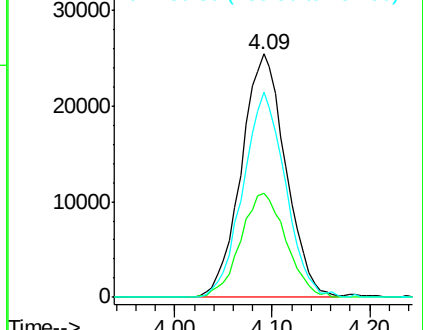
151 80.7 63.0 94.4



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: 18.320 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

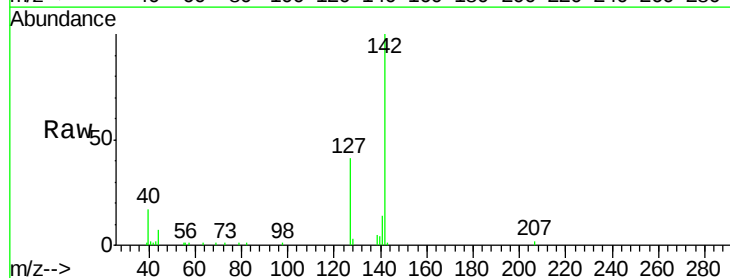
Tgt Ion:142 Resp: 73885

Ion Ratio Lower Upper

142 100

127 42.2 34.5 51.7

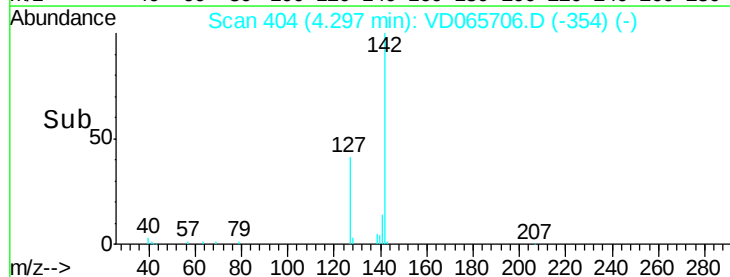
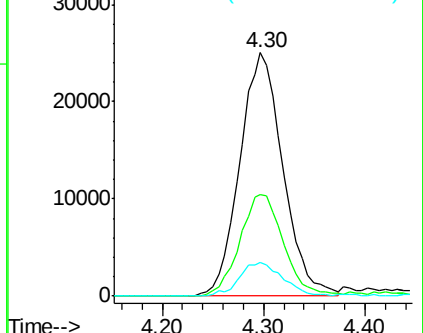
141 14.0 11.6 17.4

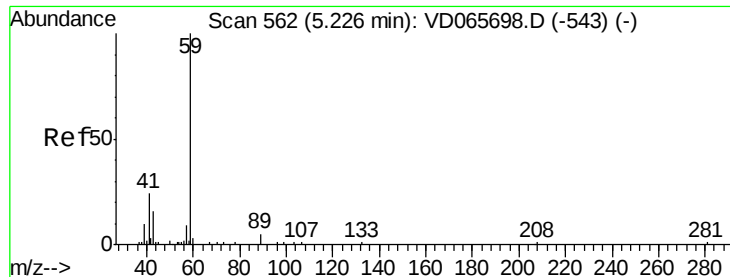


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



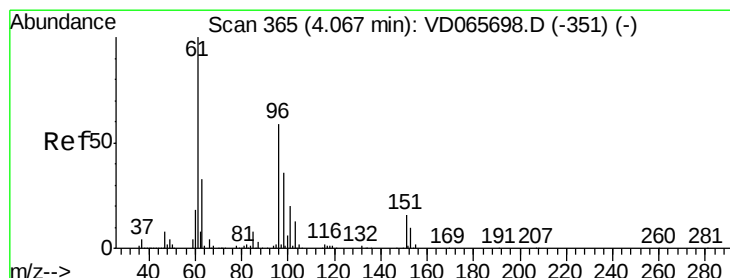
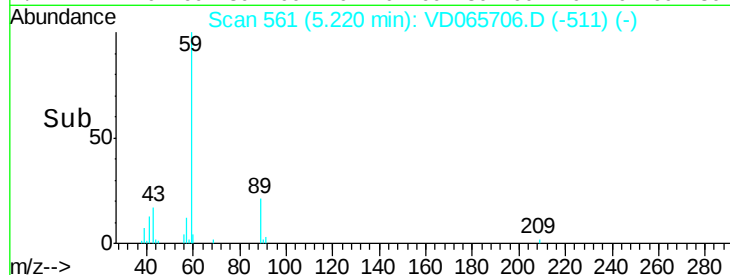
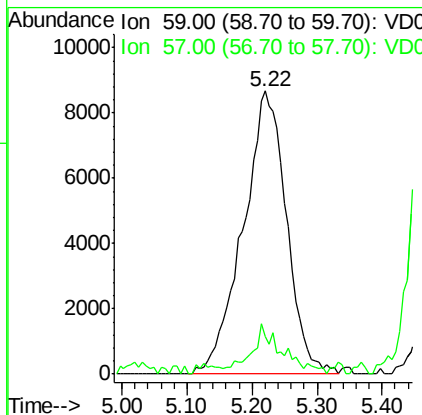
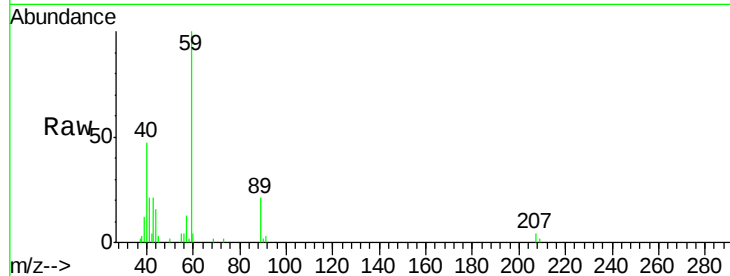


#11

Tert butyl alcohol
 Concen: 106.540 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBSD01

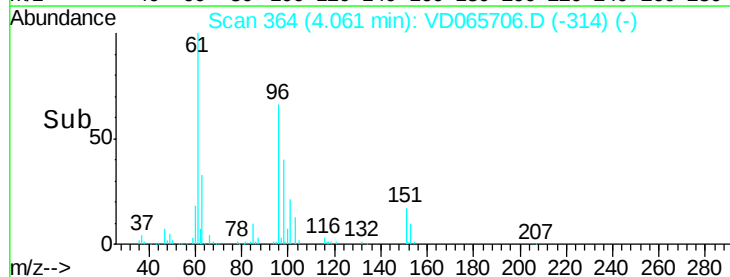
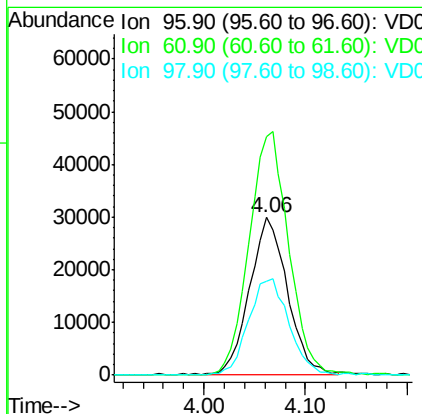
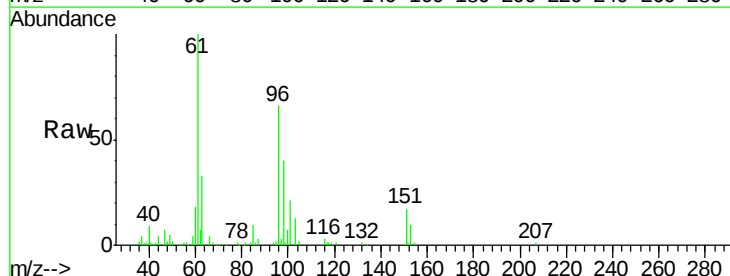
Tot Ion: 59 Resp: 40047
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.7 13.1

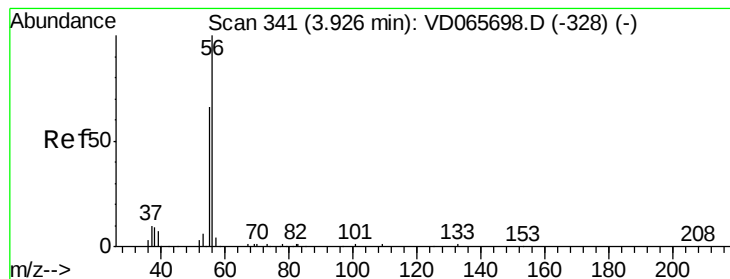


#12

1,1-Dichloroethene
 Concen: 19.403 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Tgt Ion: 96 Resp: 78407
 Ion Ratio Lower Upper
 96 100
 61 151.0 136.0 204.0
 98 59.7 49.7 74.5





#13

Acrolein

Concen: 108.634 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

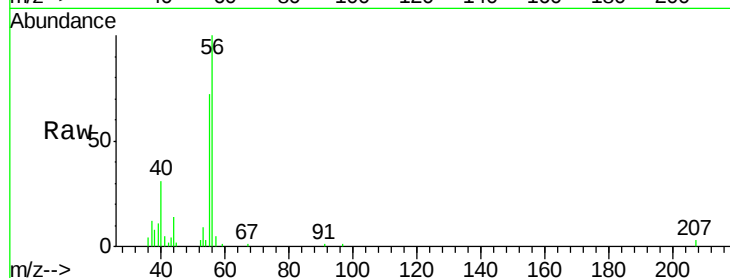
VD0507SBSD01

Tot Ion: 56 Resp: 37879

Ion Ratio Lower Upper

56 100

55 68.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

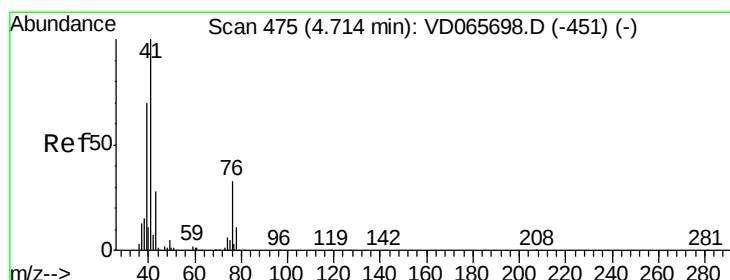
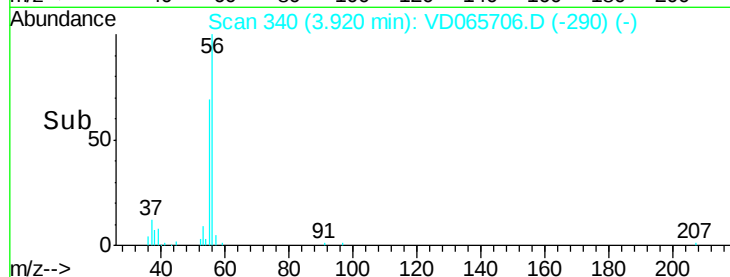
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 18.010 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

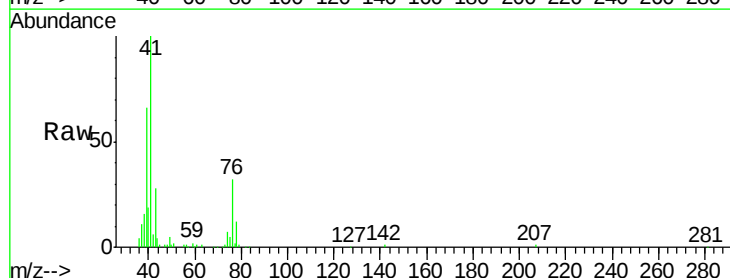
Tgt Ion: 41 Resp: 145083

Ion Ratio Lower Upper

41 100

39 68.1 55.6 83.4

76 33.6 25.6 38.4



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

60000

50000

40000

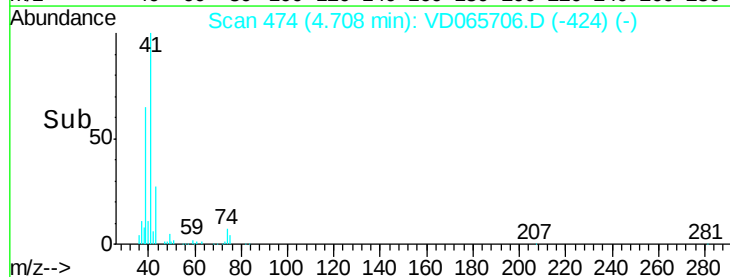
30000

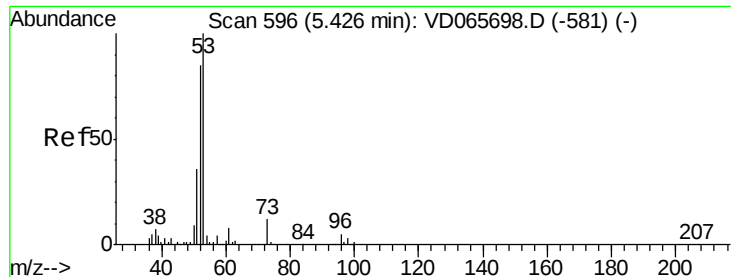
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 94.765 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

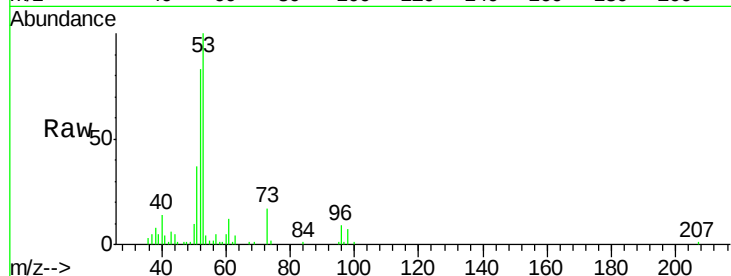
Tot Ion: 53 Resp: 94541

Ion Ratio Lower Upper

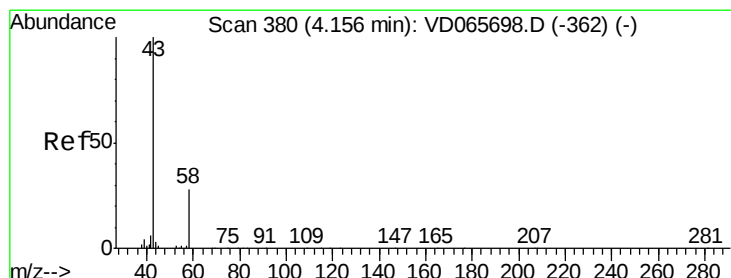
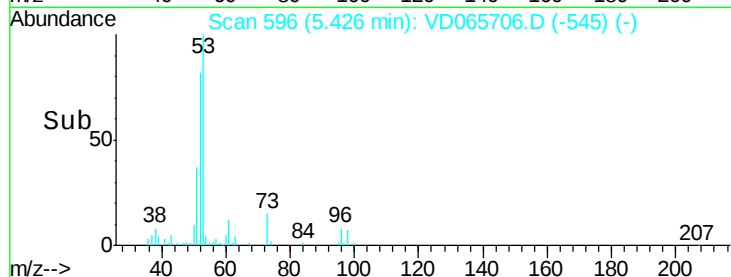
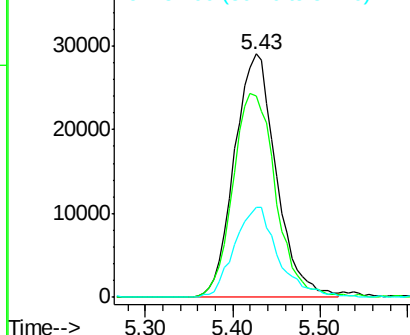
53 100

52 85.9 66.2 99.2

51 38.8 29.9 44.9



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: 93.891 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065706.D

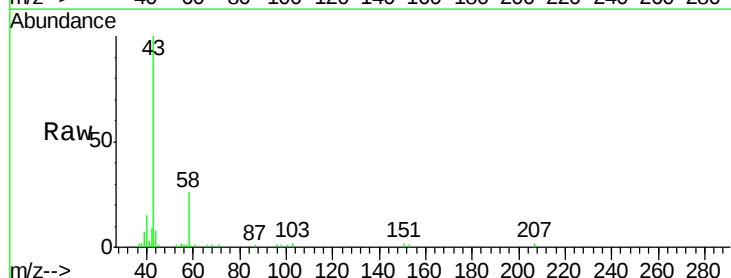
Acq: 07 May 2020 12:01

Tgt Ion: 43 Resp: 85066

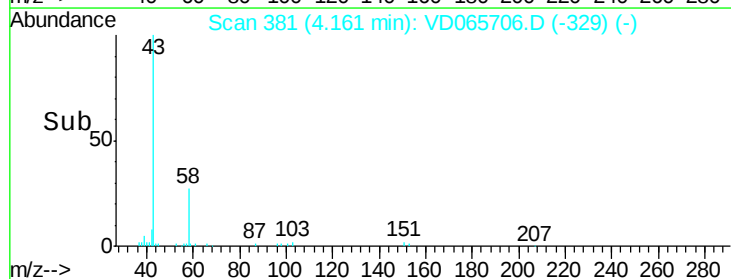
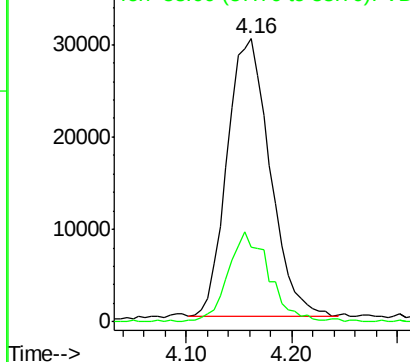
Ion Ratio Lower Upper

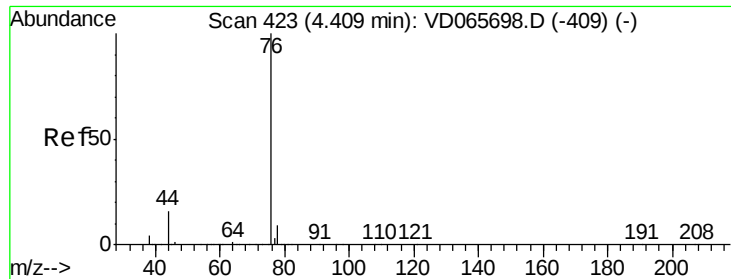
43 100

58 26.3 22.5 33.7



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

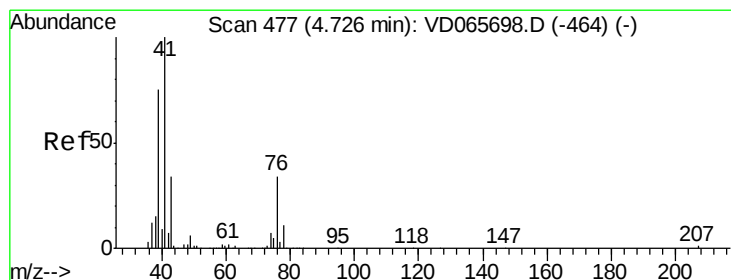
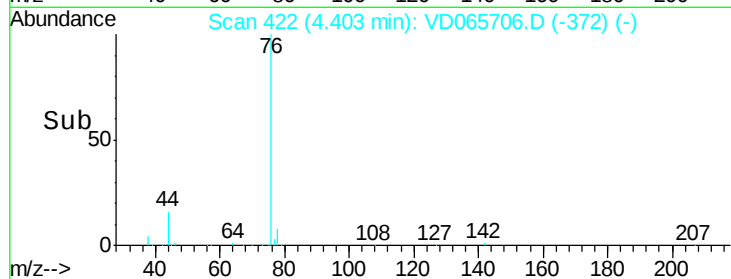
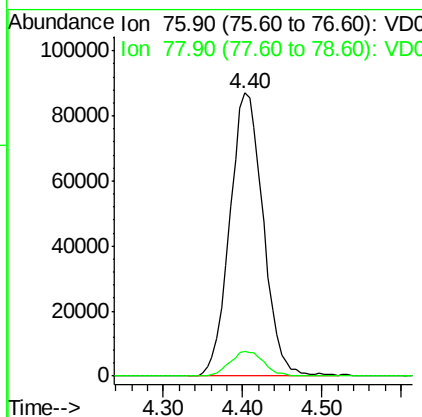
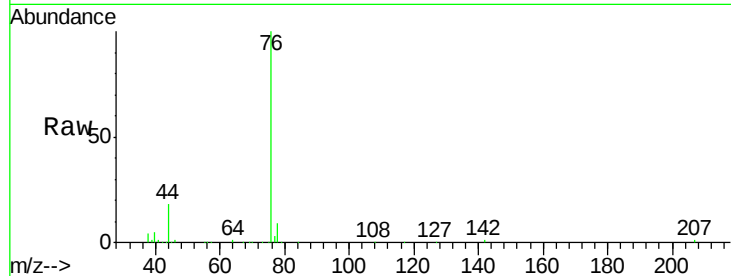




#17
Carbon Disulfide
Concen: 19.113 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

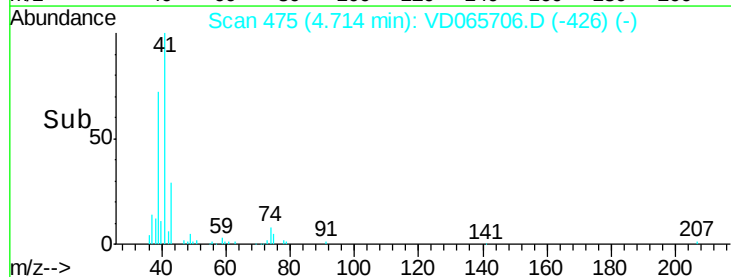
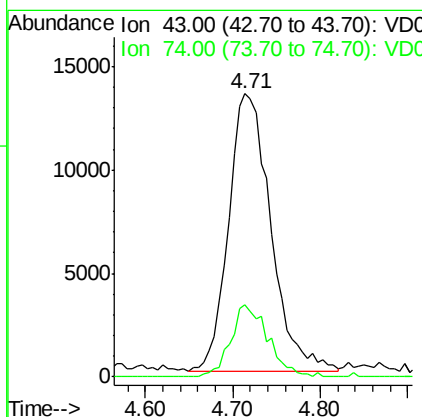
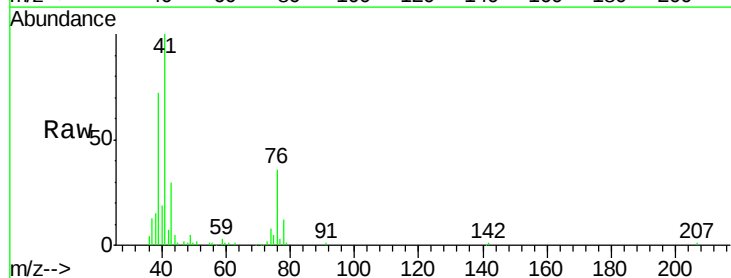
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

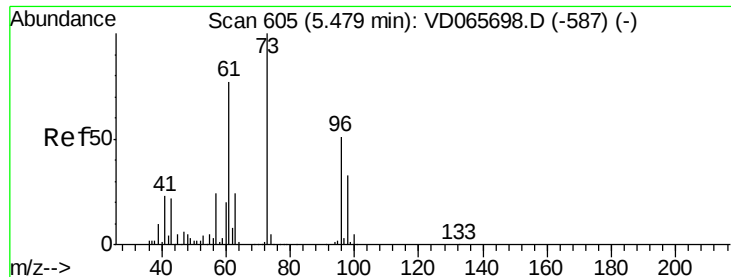
Tot Ion: 76 Resp: 253969
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2



#18
Methyl Acetate
Concen: 19.502 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 43 Resp: 43933
Ion Ratio Lower Upper
43 100
74 23.0 17.1 25.7

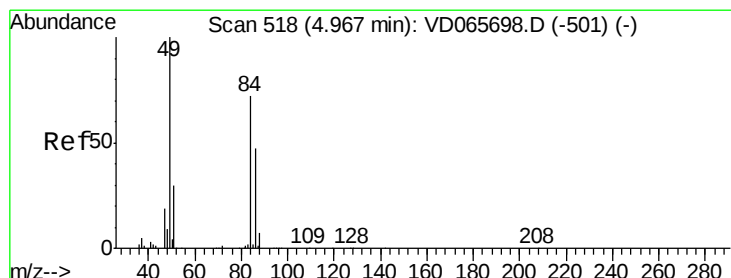
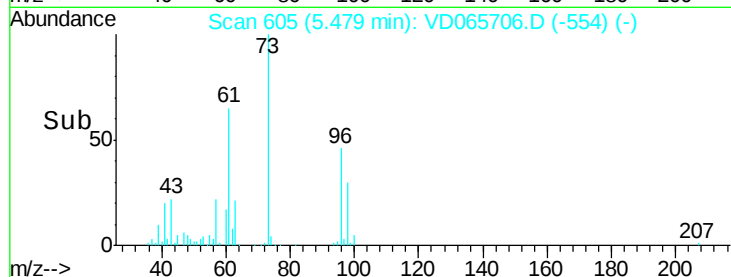
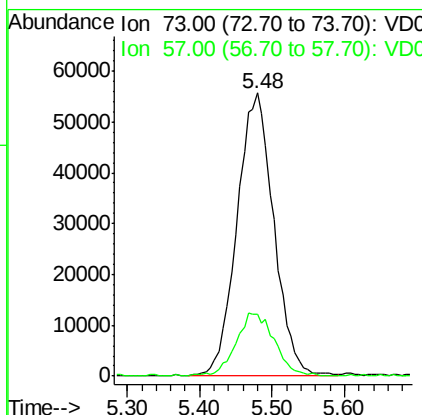
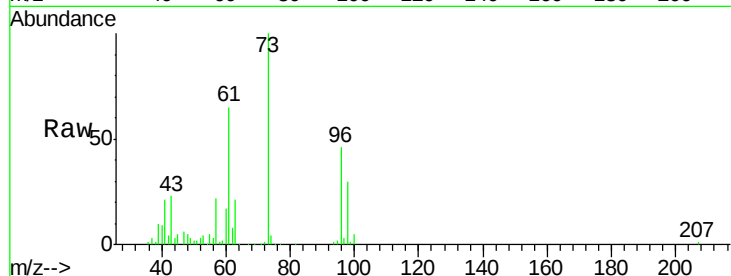




#19
Methyl tert-butyl Ether
Concen: 20.047 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

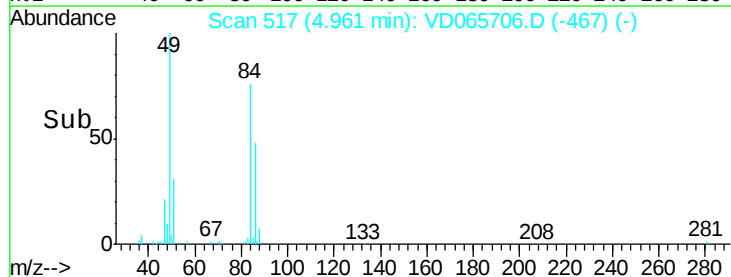
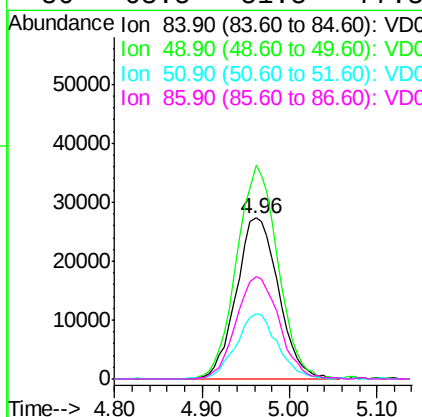
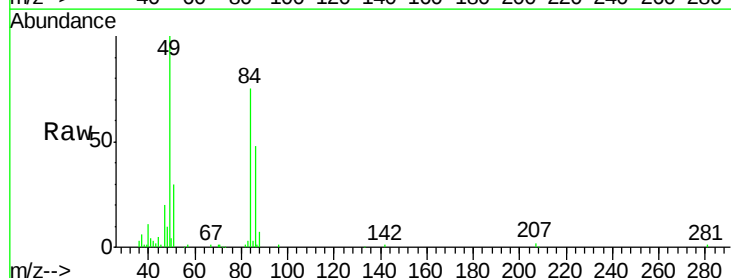
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

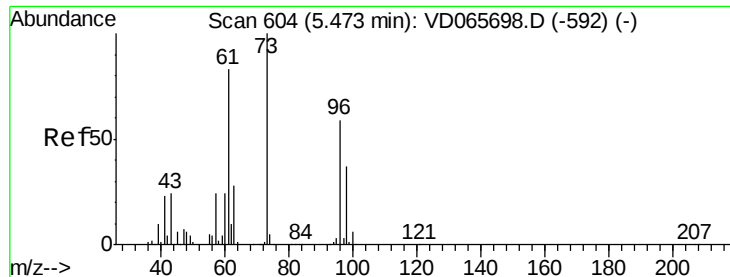
Tot Ion: 73 Resp: 196422
Ion Ratio Lower Upper
73 100
57 22.1 19.4 29.0



#20
Methylene Chloride
Concen: 19.672 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 84 Resp: 89784
Ion Ratio Lower Upper
84 100
49 132.8 110.4 165.6
51 39.9 33.4 50.2
86 63.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.303 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

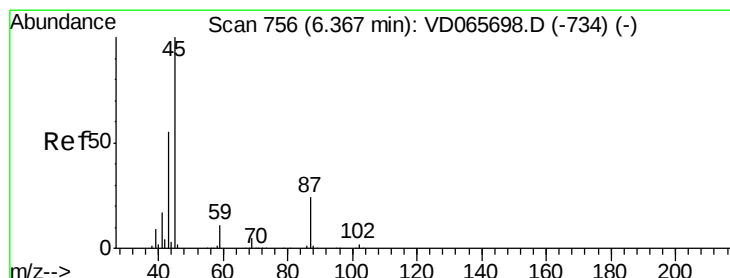
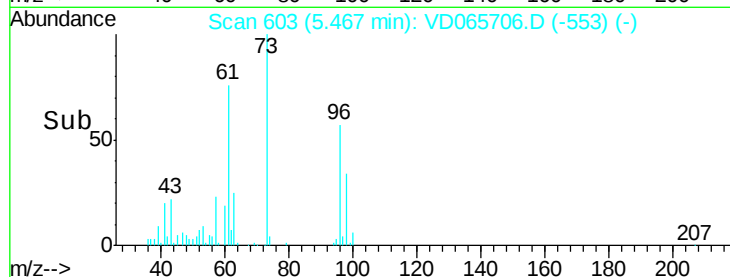
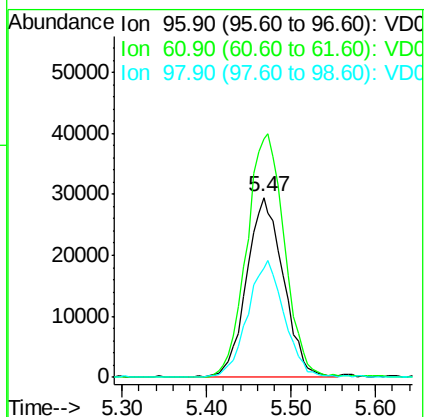
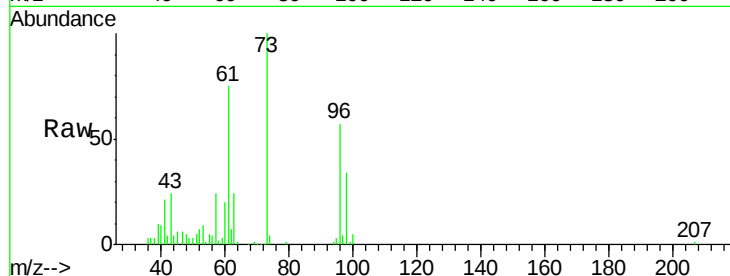
Tot Ion: 96 Resp: 89296

Ion Ratio Lower Upper

96 100

61 132.7 113.0 169.4

98 60.5 49.5 74.3



#22

Diisopropyl ether

Concen: 19.030 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Tgt Ion: 45 Resp: 285085

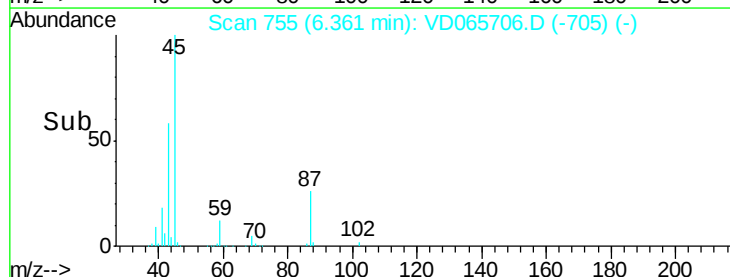
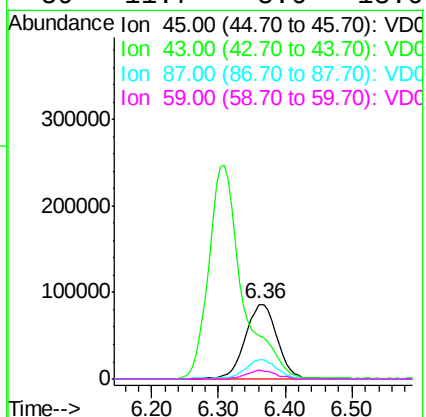
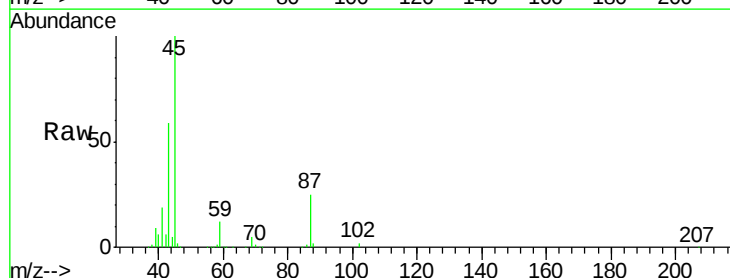
Ion Ratio Lower Upper

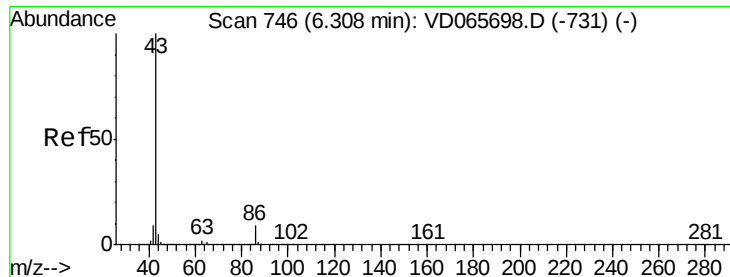
45 100

43 57.4 44.2 66.4

87 25.3 19.0 28.4

59 11.7 8.6 13.0





#23

Vinyl Acetate

Concen: 95.838 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

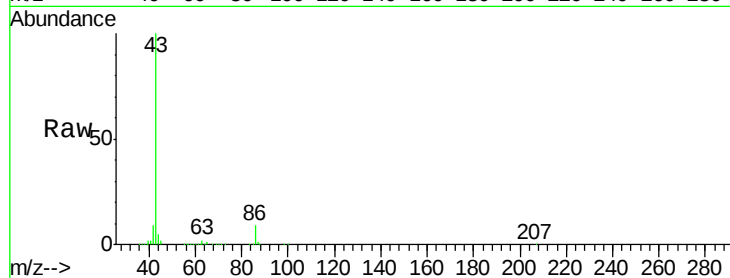
VD0507SBS01

Tot Ion: 43 Resp: 867140

Ion Ratio Lower Upper

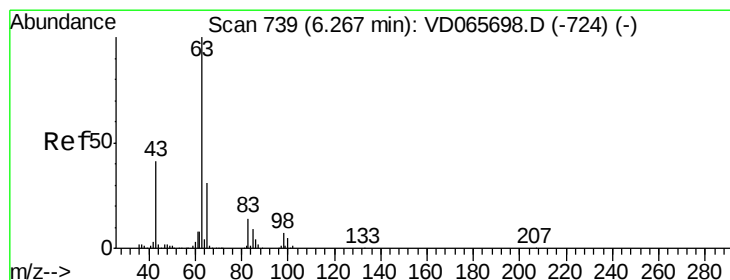
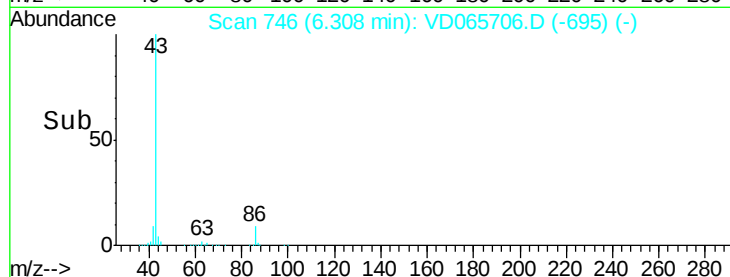
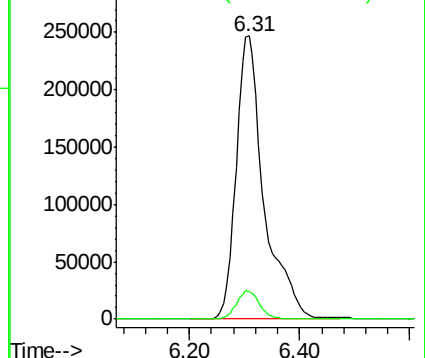
43 100

86 9.5 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.953 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

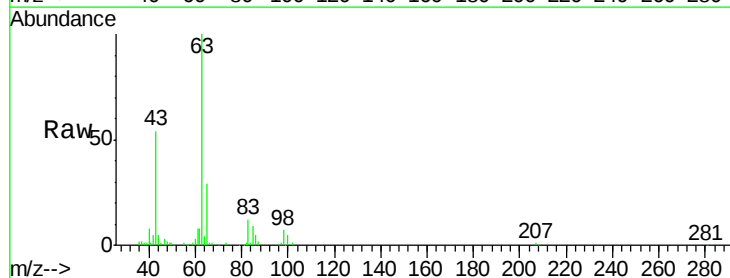
Tgt Ion: 63 Resp: 155540

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

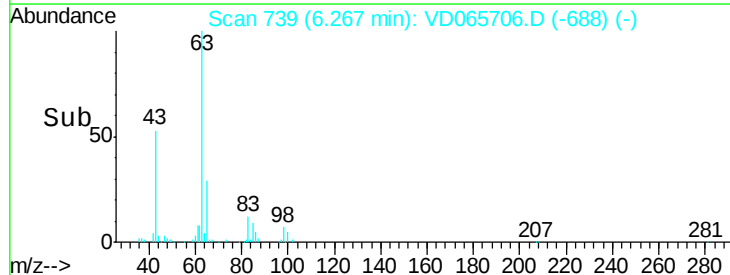
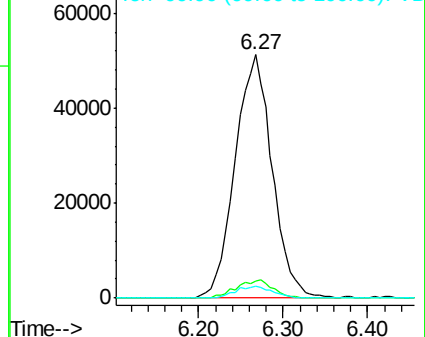
100 4.7 2.3 6.9

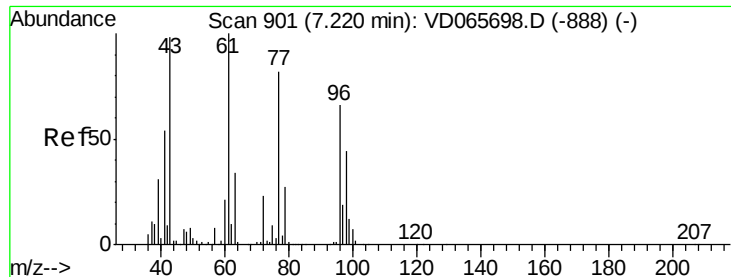


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

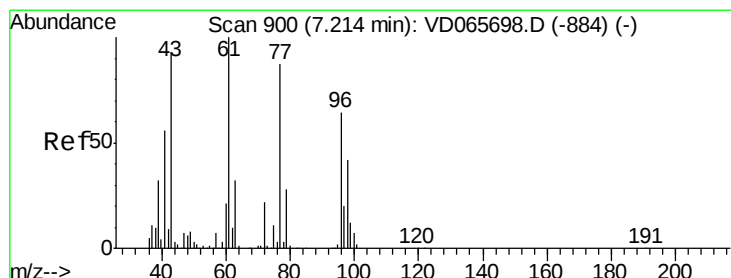
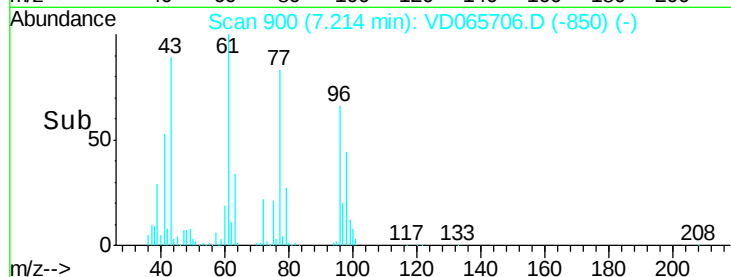
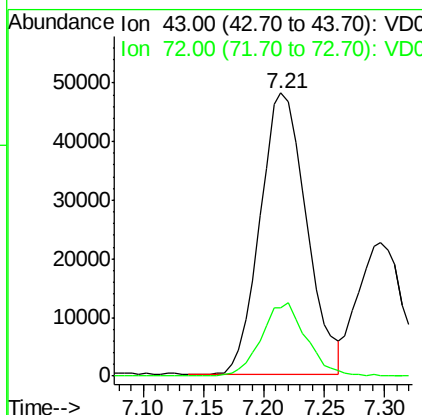
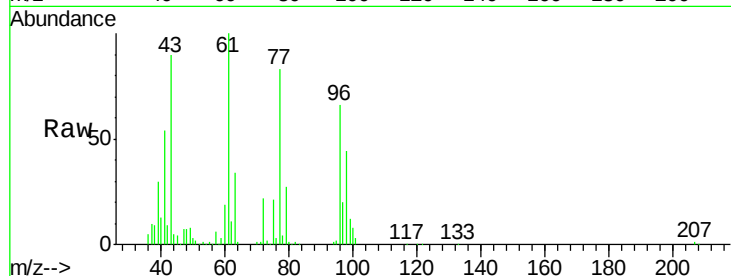




#25
2-Butanone
Concen: 95.823 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

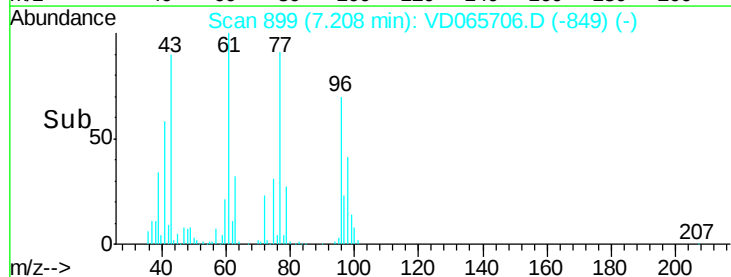
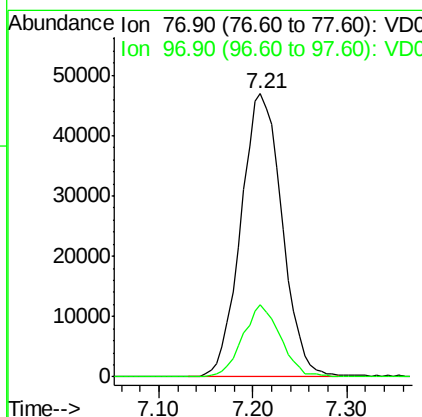
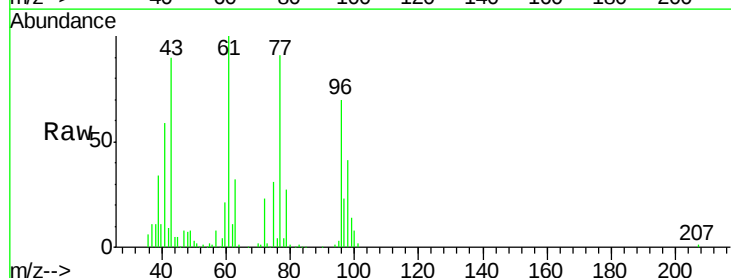
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

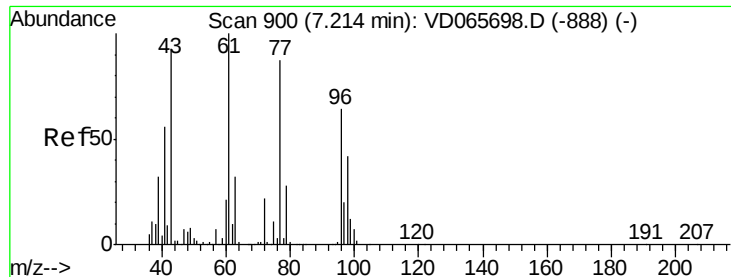
Tot Ion: 43 Resp: 128777
Ion Ratio Lower Upper
43 100
72 24.2 19.2 28.8



#26
2,2-Dichloropropane
Concen: 19.250 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 77 Resp: 142234
Ion Ratio Lower Upper
77 100
97 23.6 11.3 33.9



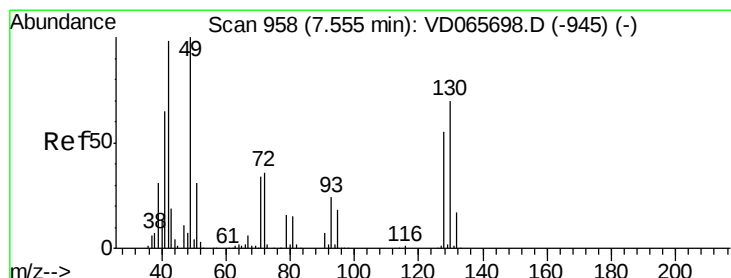
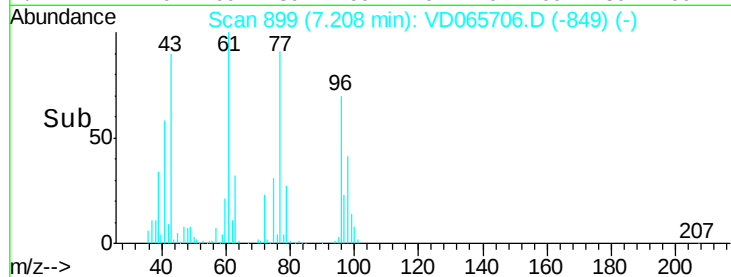
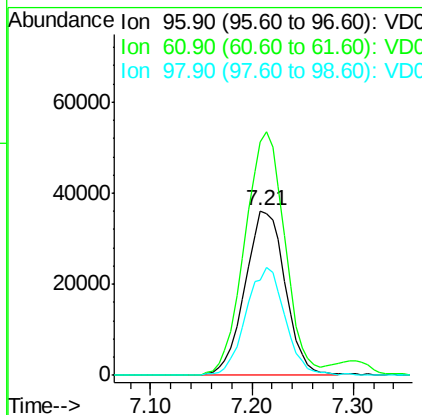
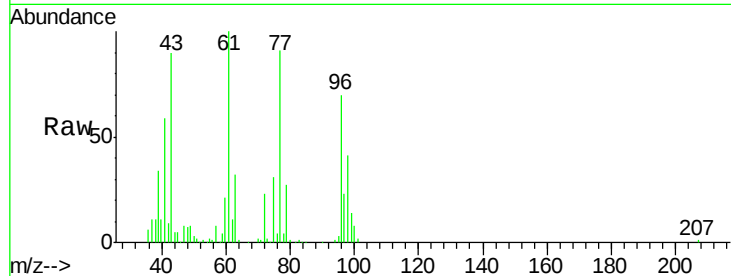


#27

cis-1,2-Dichloroethene
 Concen: 19.784 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

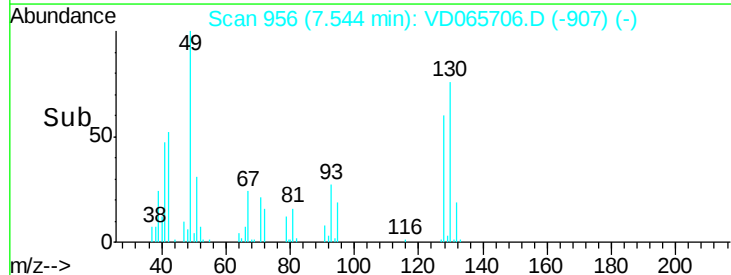
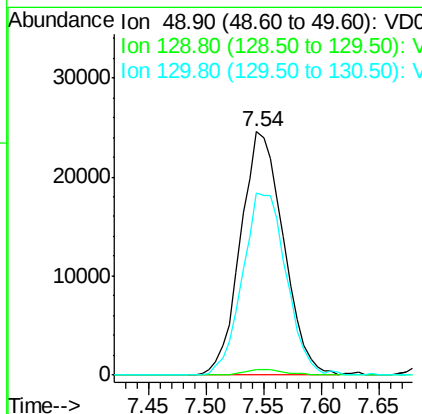
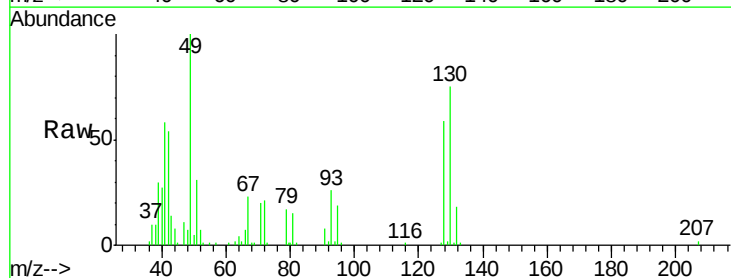
Tot Ion	96	Resp	99308
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	306.6
98	63.9	0.0	129.4

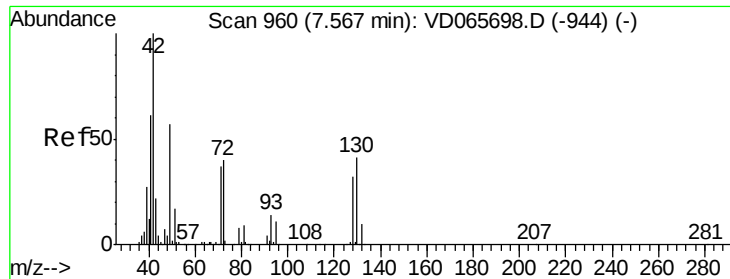


#28

Bromochloromethane
 Concen: 18.540 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Tgt Ion	49	Resp	63458
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	76.4	56.4	84.6

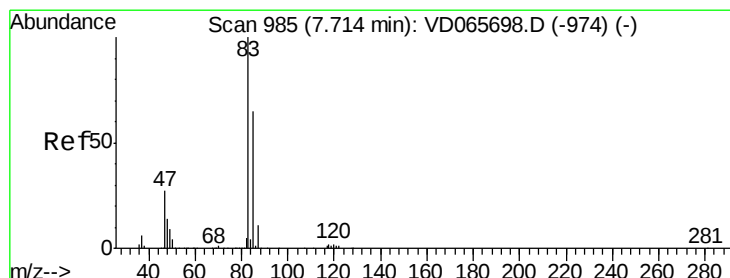
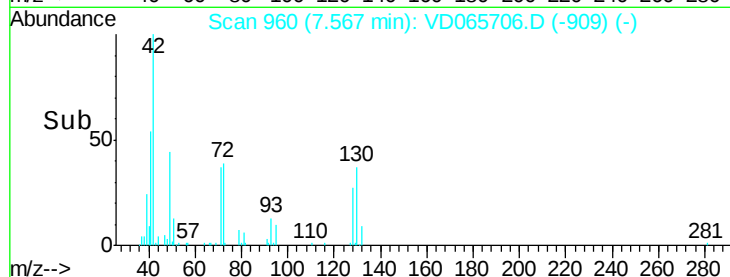
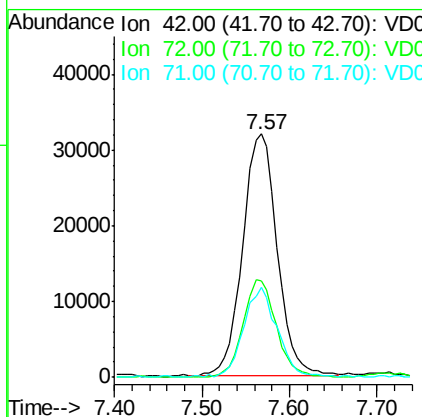
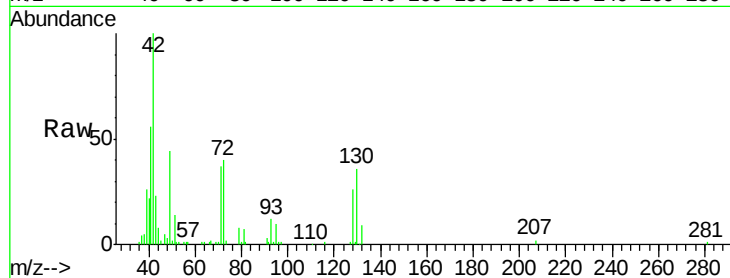




#29
Tetrahydrofuran
Concen: 97.728 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

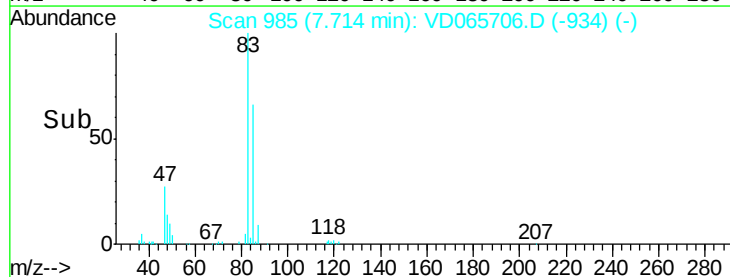
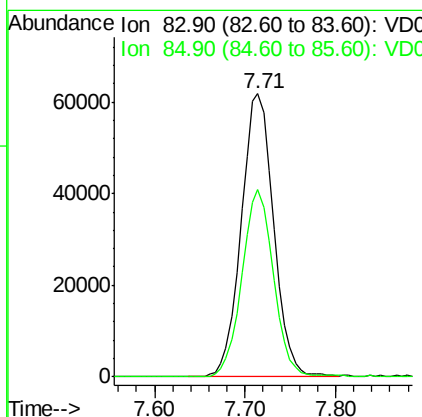
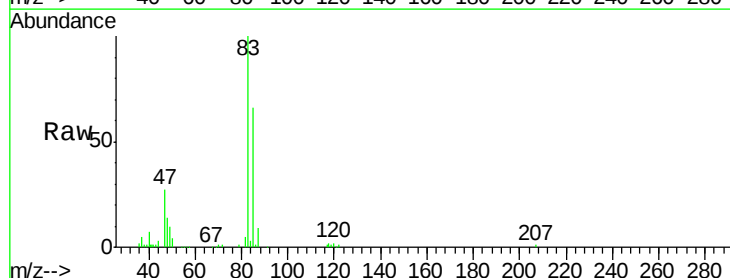
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

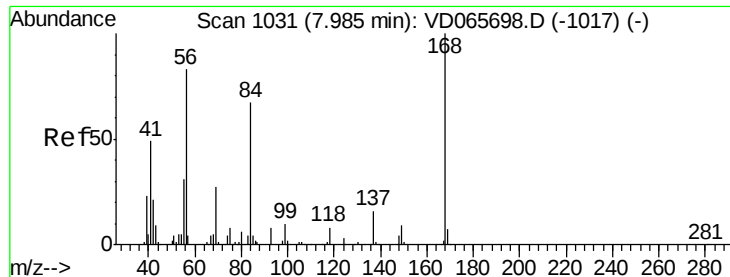
Tot Ion: 42 Resp: 84651
Ion Ratio Lower Upper
42 100
72 39.4 30.4 45.6
71 36.5 28.0 42.0



#30
Chloroform
Concen: 19.407 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 83 Resp: 153255
Ion Ratio Lower Upper
83 100
85 65.9 52.1 78.1





#31

Cyclohexane

Concen: 18.028 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

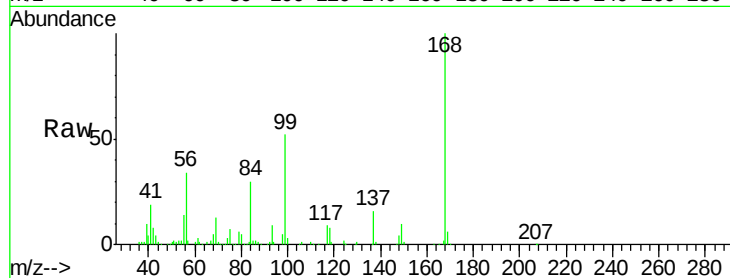
Tot Ion: 56 Resp: 153084

Ion Ratio Lower Upper

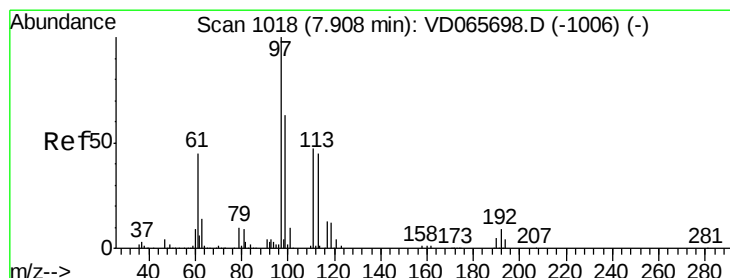
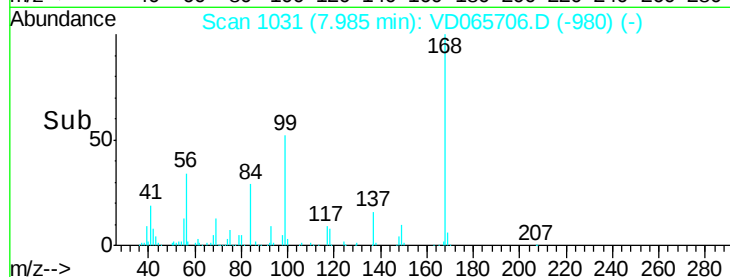
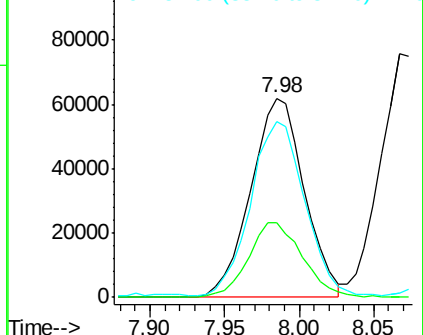
56 100

69 37.3 26.3 39.5

84 87.5 64.5 96.7



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 19.050 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

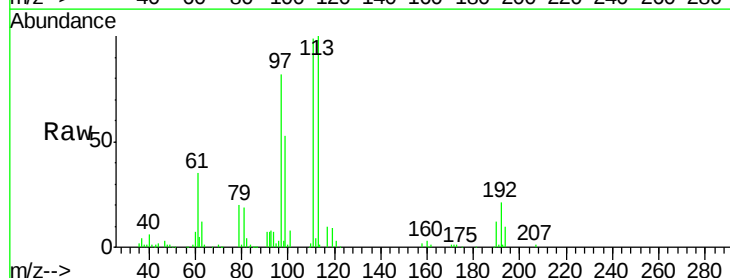
Tgt Ion: 97 Resp: 139457

Ion Ratio Lower Upper

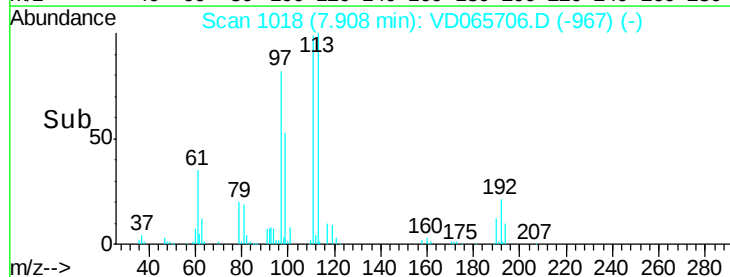
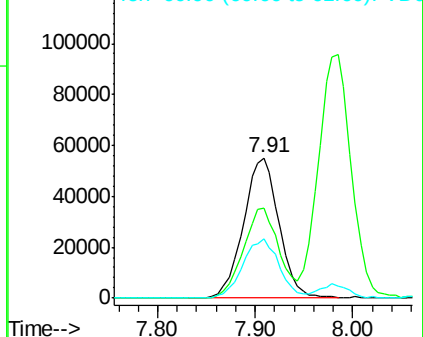
97 100

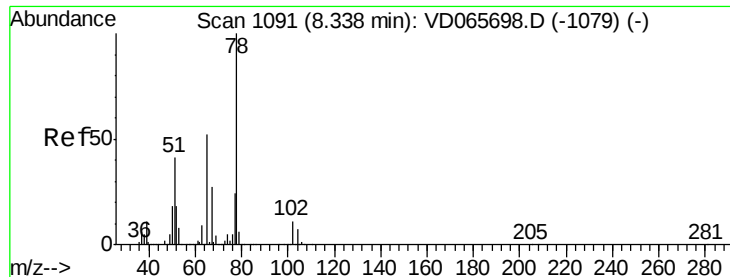
99 65.1 50.8 76.2

61 43.2 36.0 54.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.113 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

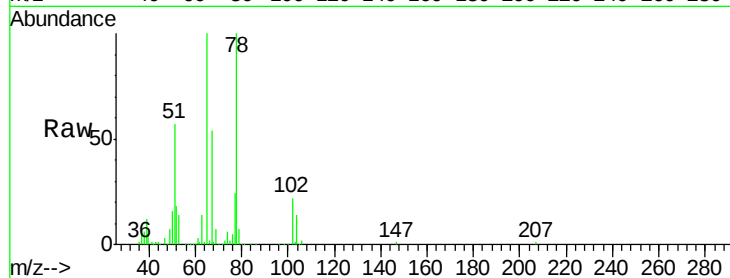
VD0507SBSD01

Tot Ion: 65 Resp: 195682

Ion Ratio Lower Upper

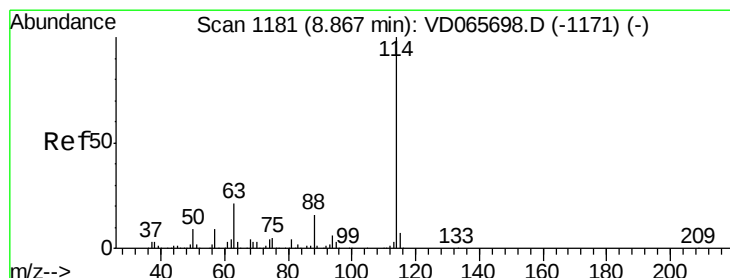
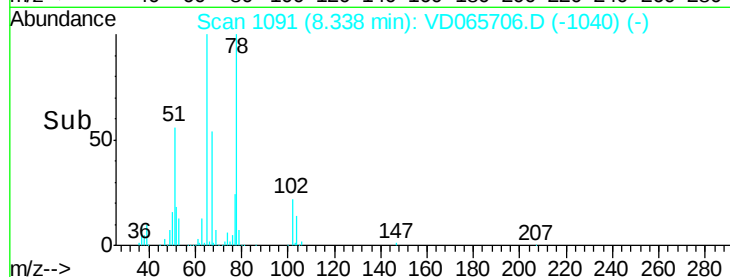
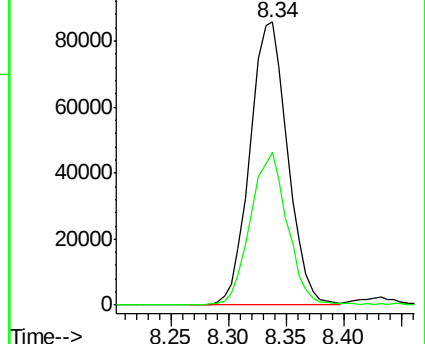
65 100

67 53.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

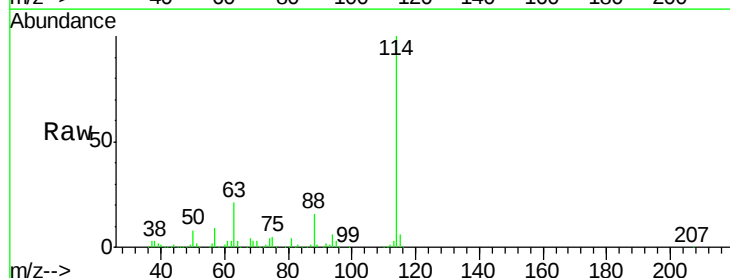
Tgt Ion: 114 Resp: 636237

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

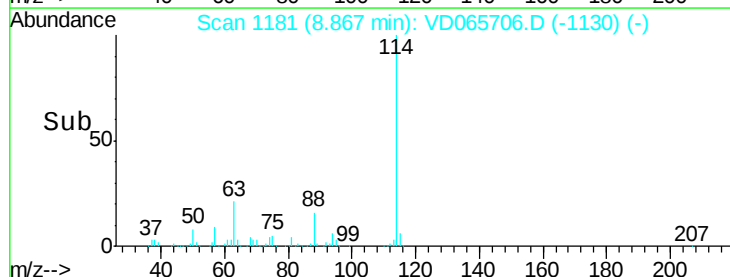
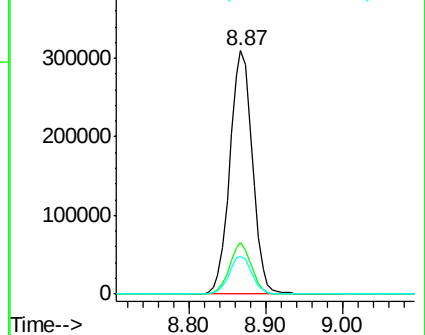
88 15.6 0.0 32.6

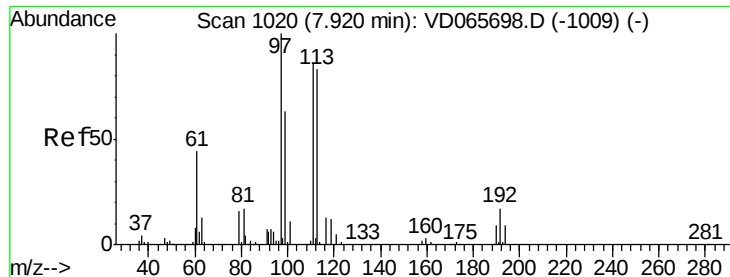


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

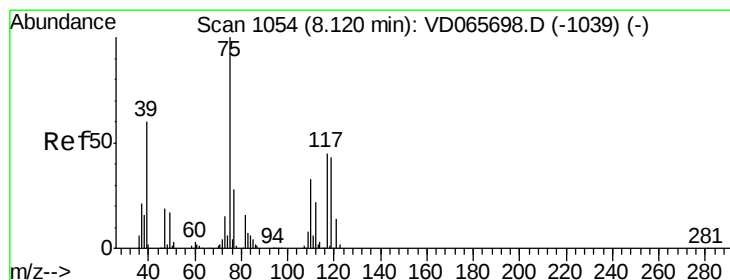
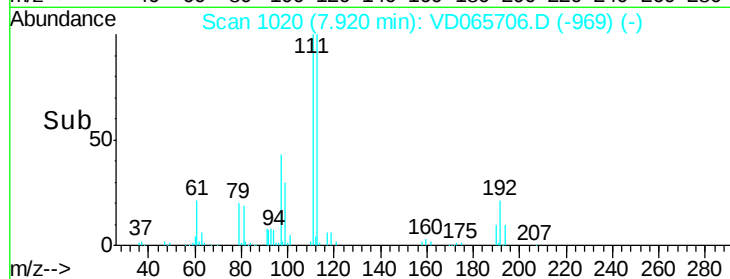
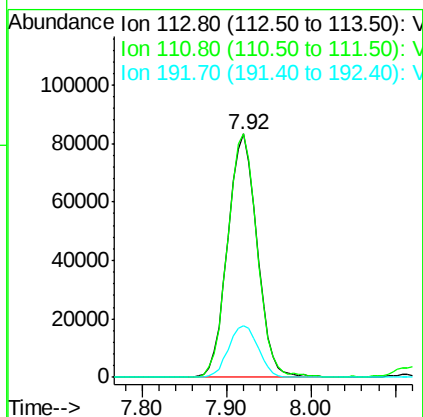
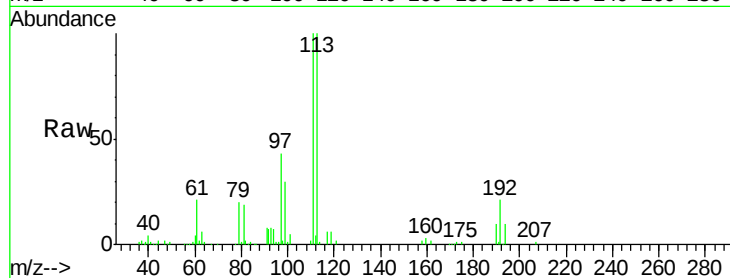




#35
 Dibromofluoromethane
 Concen: 50.381 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

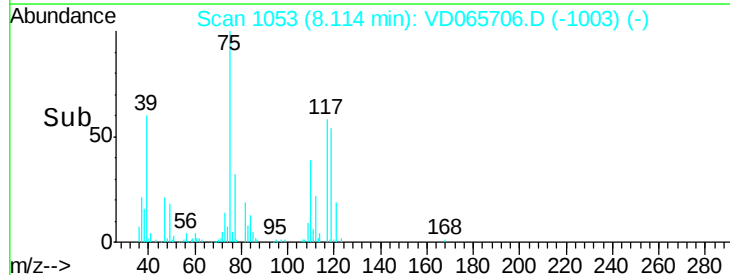
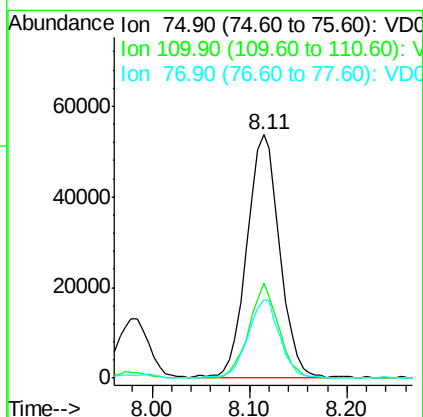
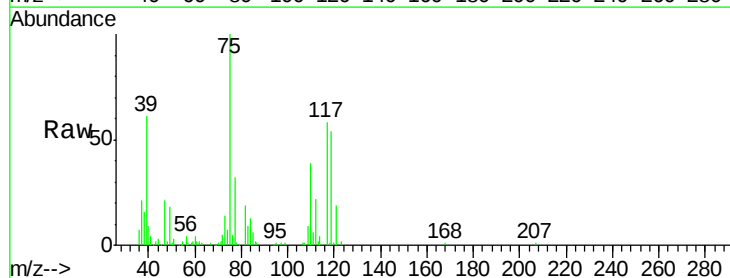
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBSD01

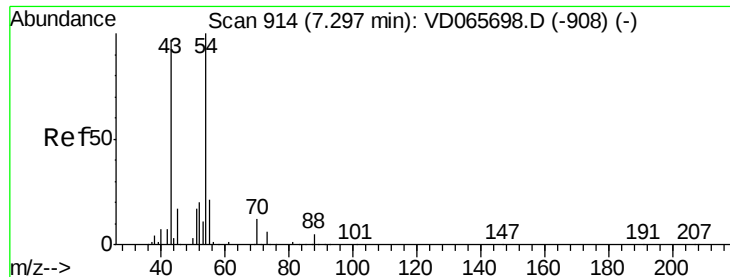
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	82.7	124.1
192	21.5	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 19.828 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.2	51.6
77	31.7	23.7	35.5

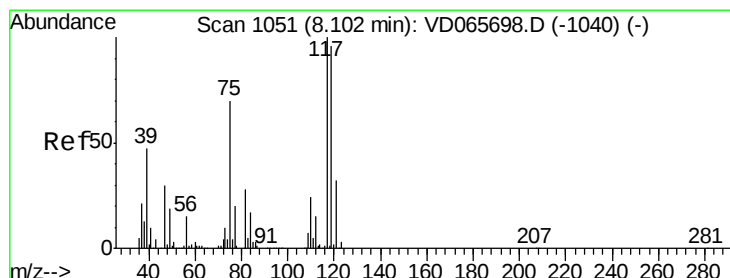
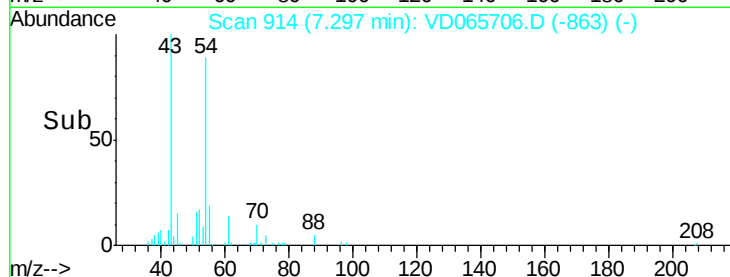
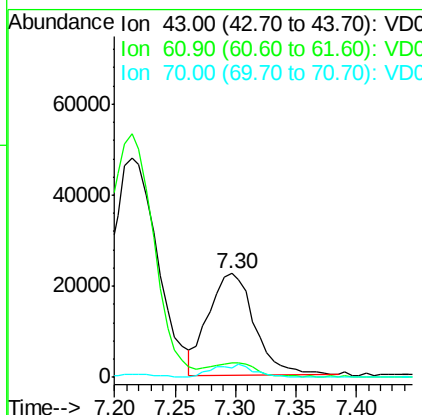
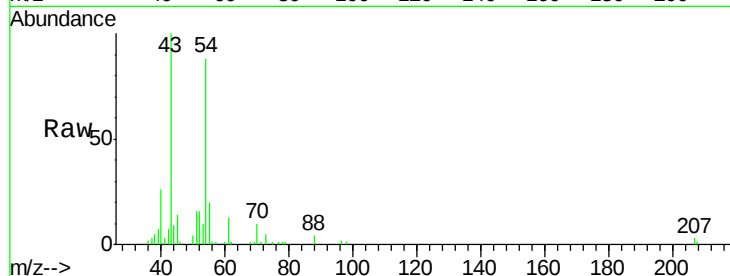




#37
Ethyl Acetate
Concen: 19.418 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

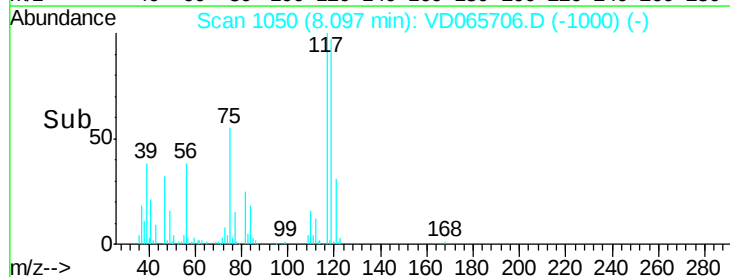
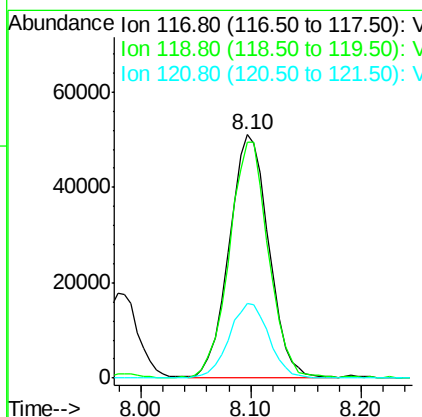
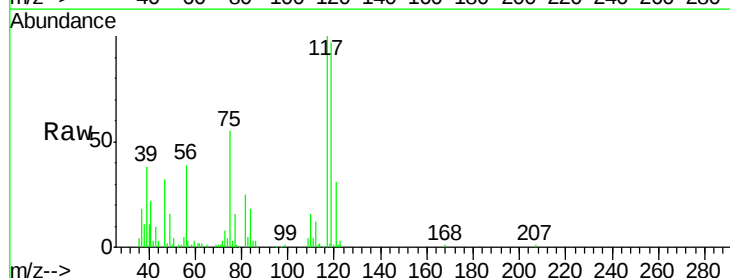
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

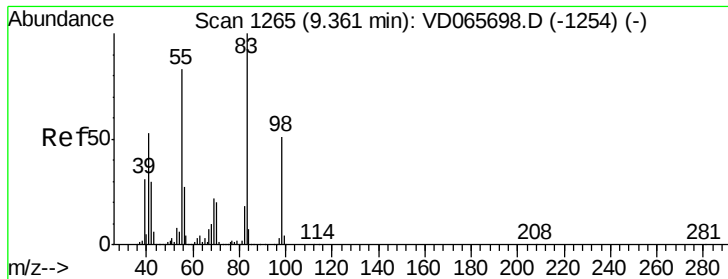
Tot Ion: 43 Resp: 59079
Ion Ratio Lower Upper
43 100
61 13.7 9.9 14.9
70 11.2 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 20.283 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 117 Resp: 127069
Ion Ratio Lower Upper
117 100
119 96.8 77.1 115.7
121 31.0 25.5 38.3

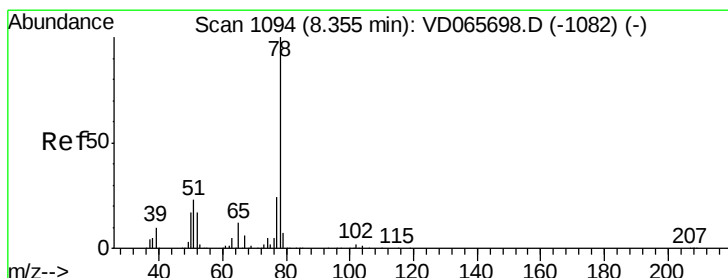
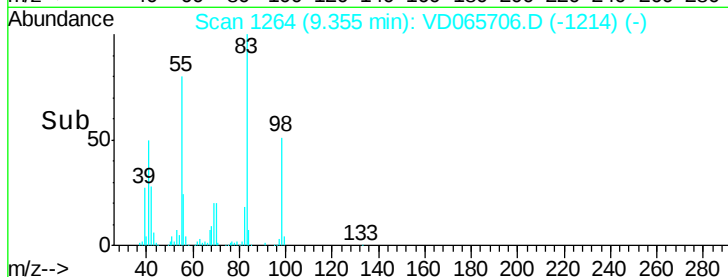
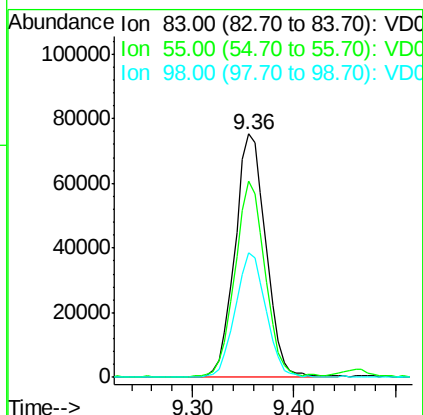
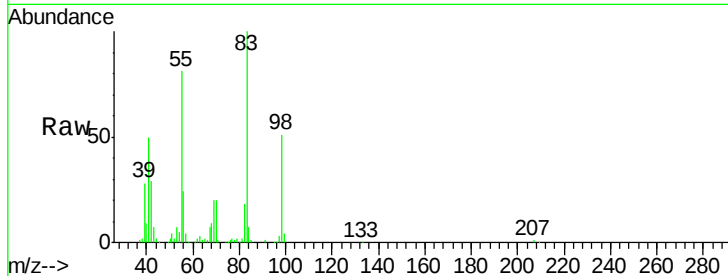




#39
Methvlcvclohexane
Concen: 20.156 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

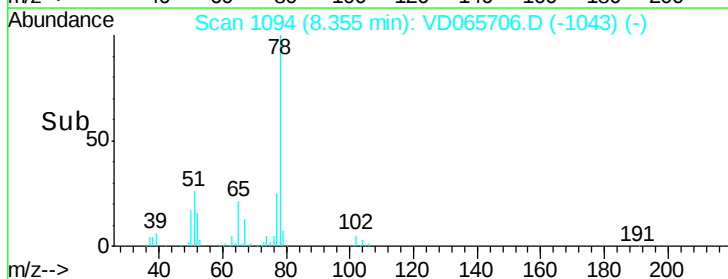
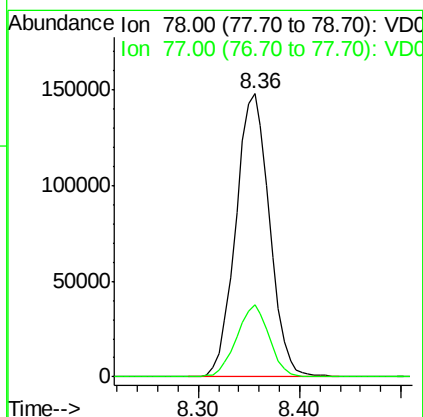
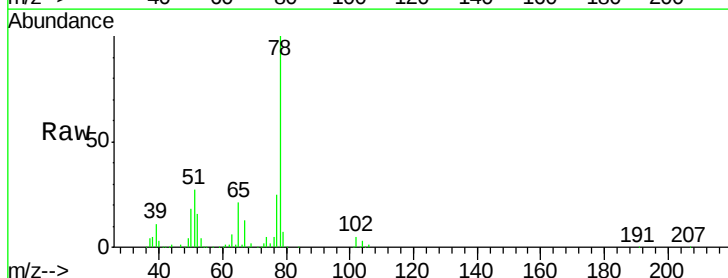
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

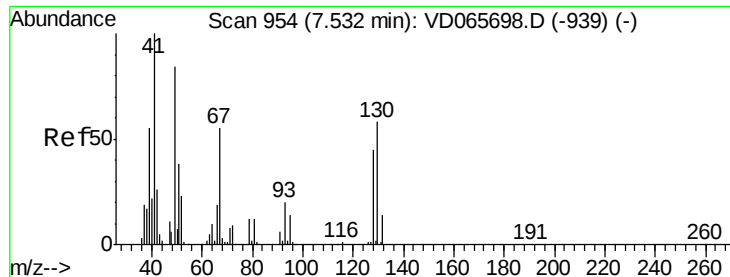
Tot Ion: 83 Resp: 159895
Ion Ratio Lower Upper
83 100
55 80.4 66.0 99.0
98 51.3 41.0 61.4



#40
Benzene
Concen: 19.750 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 78 Resp: 340817
Ion Ratio Lower Upper
78 100
77 25.3 19.6 29.4

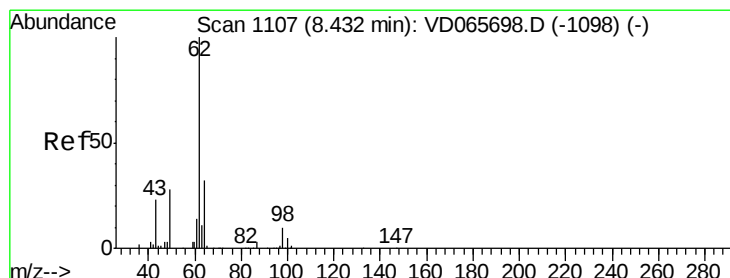
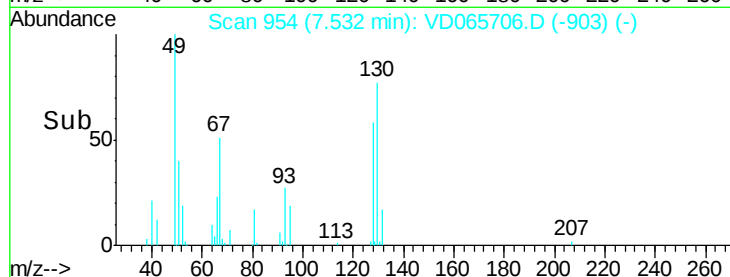
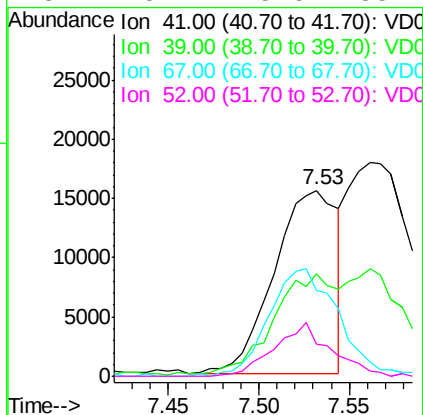
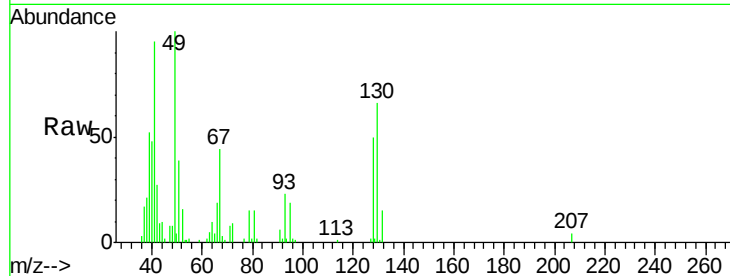




#41
Methacrylonitrile
Concen: 21.303 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

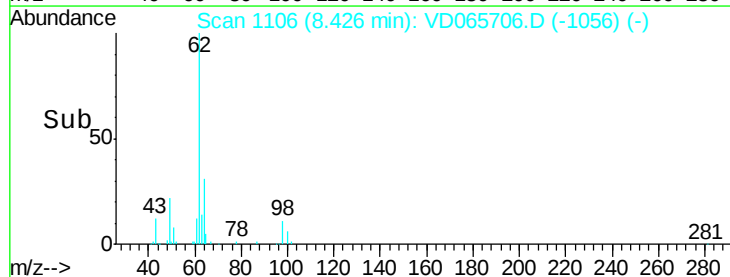
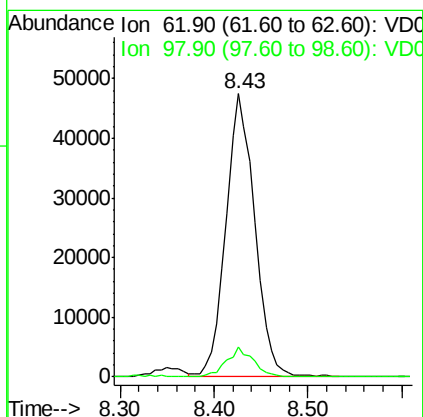
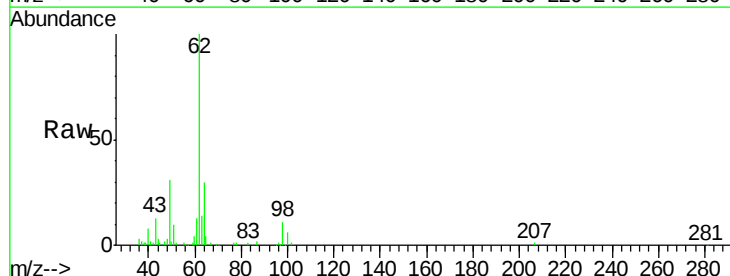
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

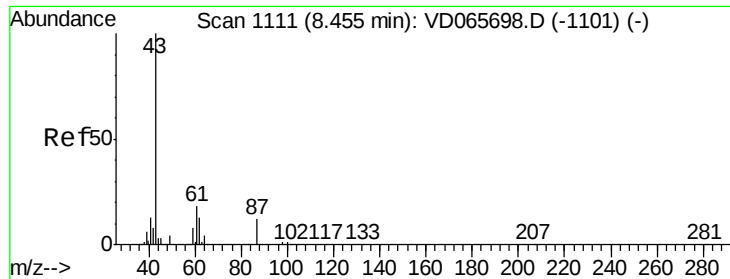
Tot Ion:	41	Resp:	37384
Ion	Ratio	Lower	Upper
41	100		
39	54.5	52.5	78.7
67	65.7	59.4	89.0
52	26.2	25.6	38.4



#42
1,2-Dichloroethane
Concen: 20.419 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion:	62	Resp:	101390
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.2





#43

Isopropyl Acetate

Concen: 19.667 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

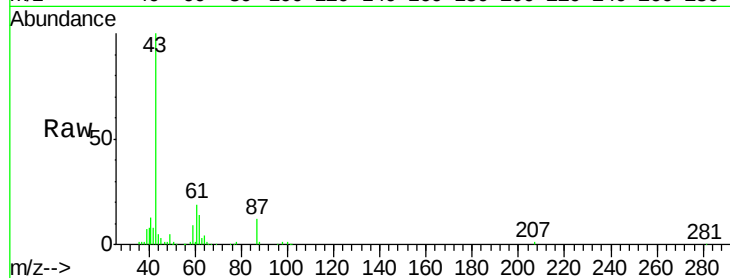
Tot Ion: 43 Resp: 119654

Ion Ratio Lower Upper

43 100

61 28.2 21.9 32.9

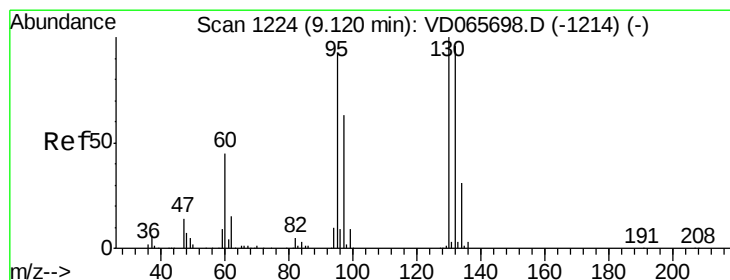
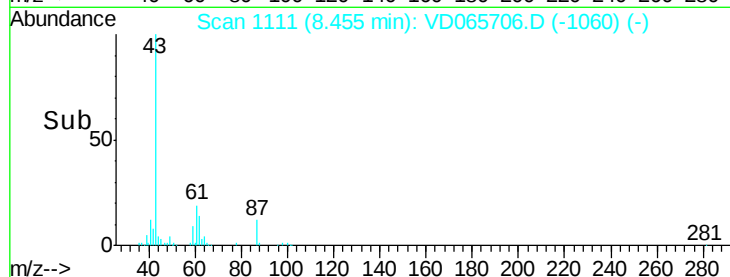
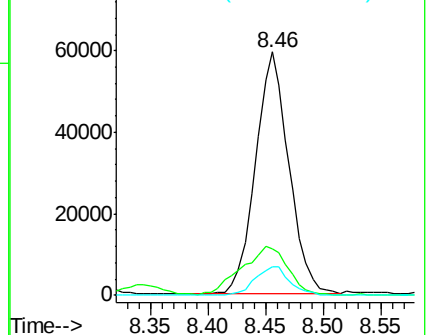
87 12.3 9.4 14.2



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: 20.675 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD065706.D

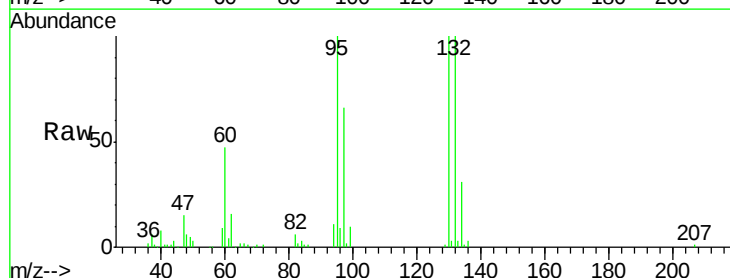
Acq: 07 May 2020 12:01

Tgt Ion: 130 Resp: 98321

Ion Ratio Lower Upper

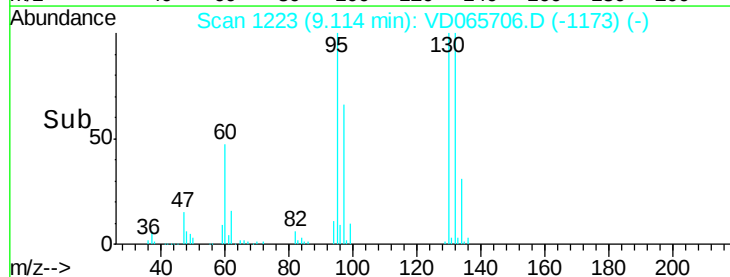
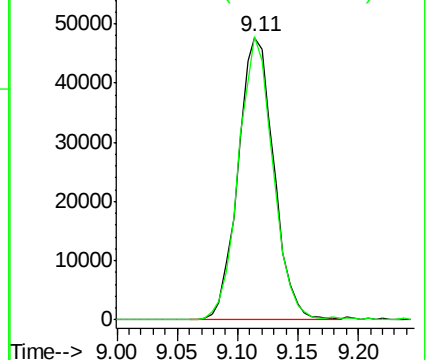
130 100

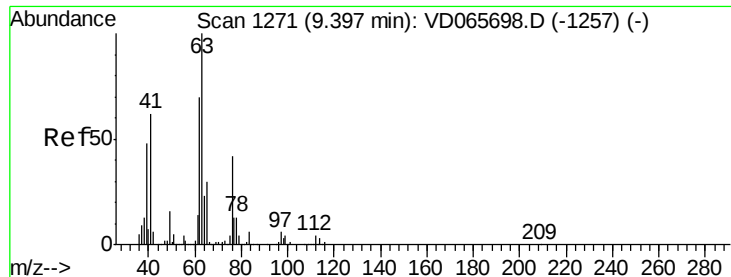
95 99.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.577 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

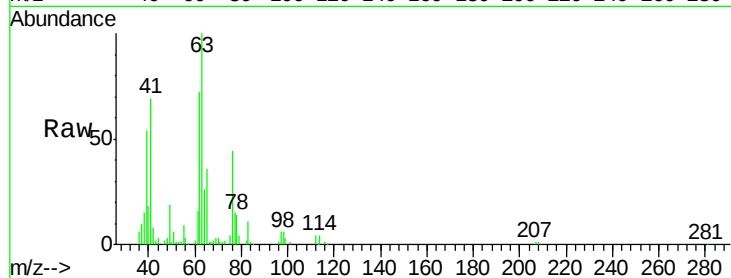
VD0507SBSD01

Tot Ion: 63 Resp: 87366

Ion Ratio Lower Upper

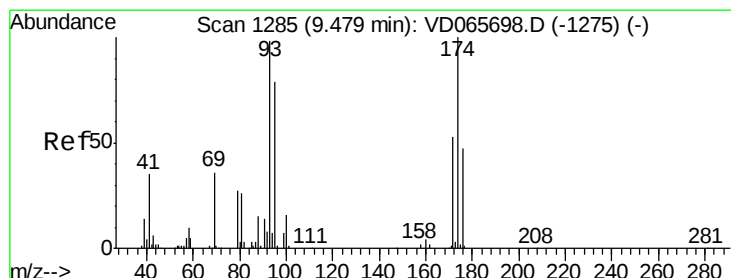
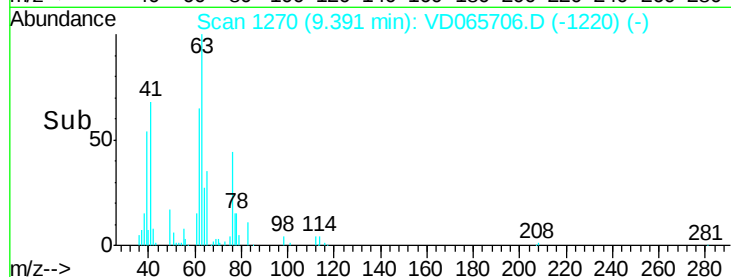
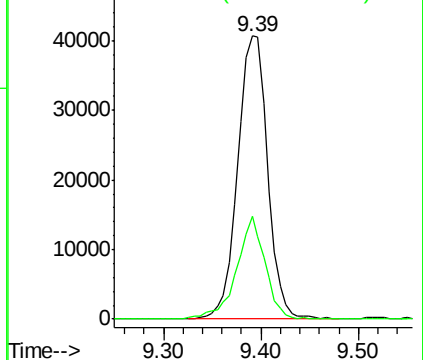
63 100

65 36.2 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.815 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

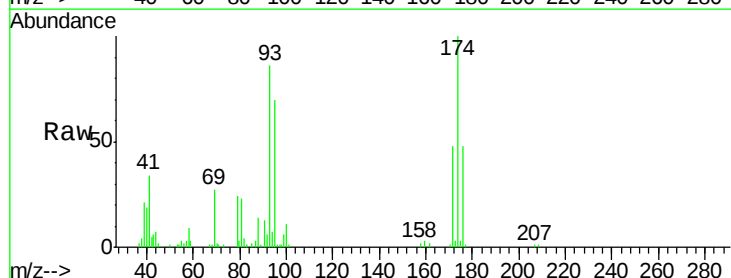
Tgt Ion: 93 Resp: 46594

Ion Ratio Lower Upper

93 100

95 84.1 65.3 97.9

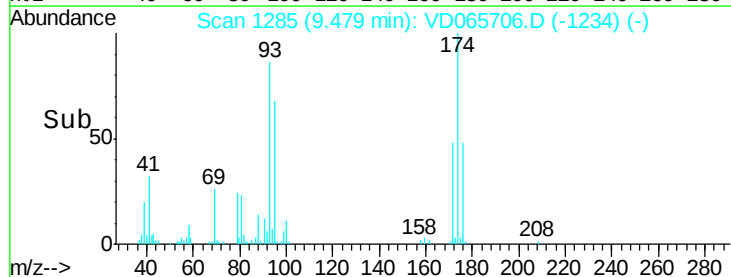
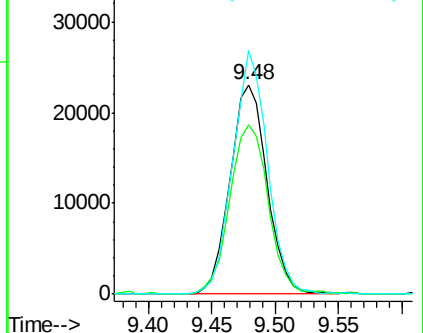
174 109.1 82.7 124.1

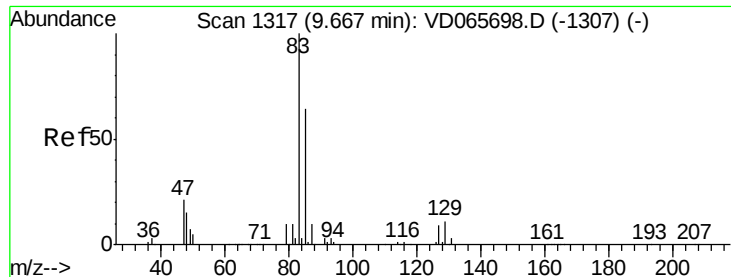


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

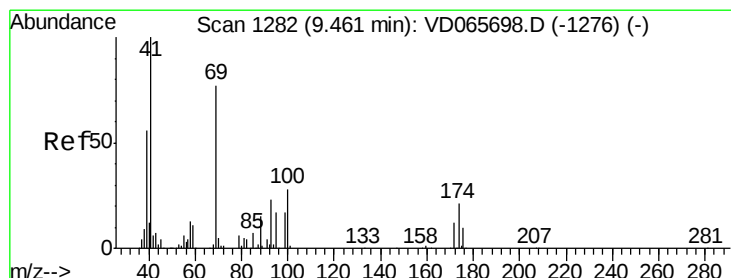
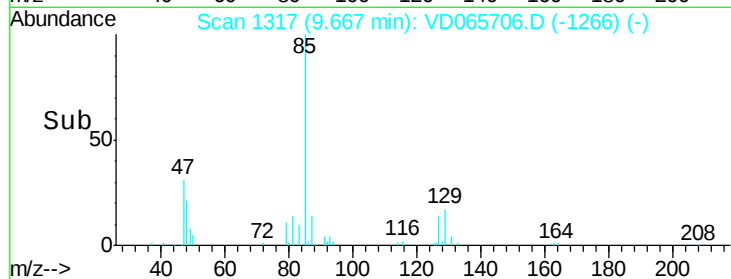
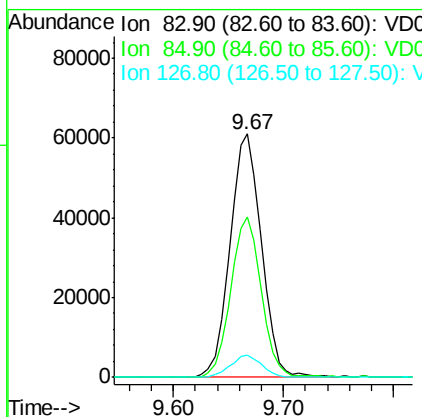
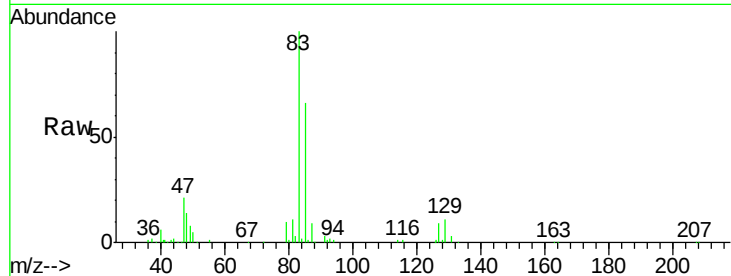




#47
Bromodichloromethane
Concen: 20.385 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

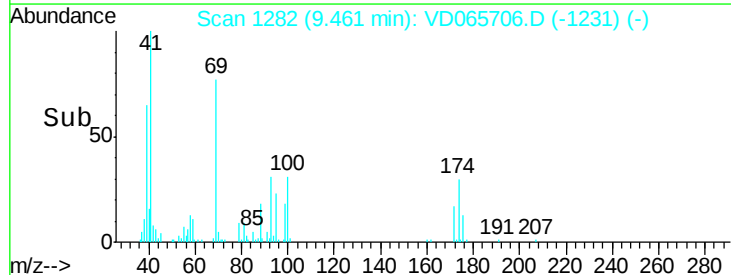
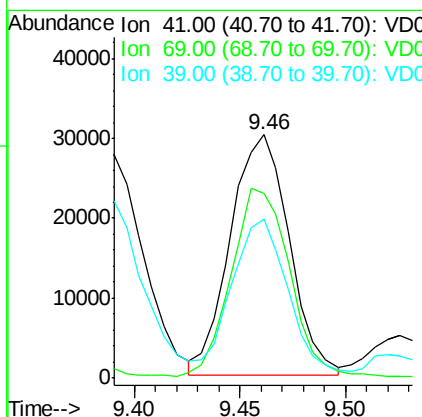
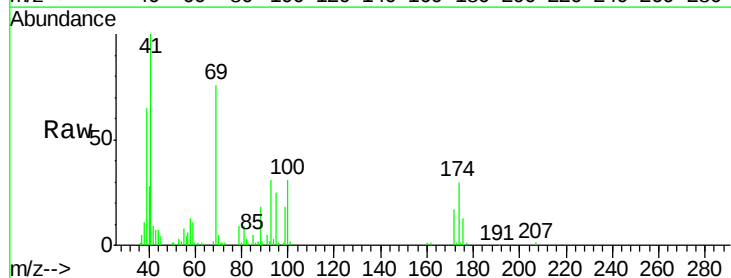
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

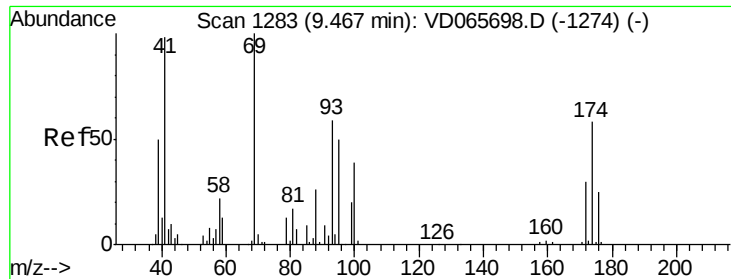
Tot Ion: 83 Resp: 122029
Ion Ratio Lower Upper
83 100
85 66.1 50.9 76.3
127 9.2 6.9 10.3



#48
Methyl methacrylate
Concen: 19.117 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 41 Resp: 58238
Ion Ratio Lower Upper
41 100
69 80.2 58.2 87.2
39 58.2 43.3 64.9

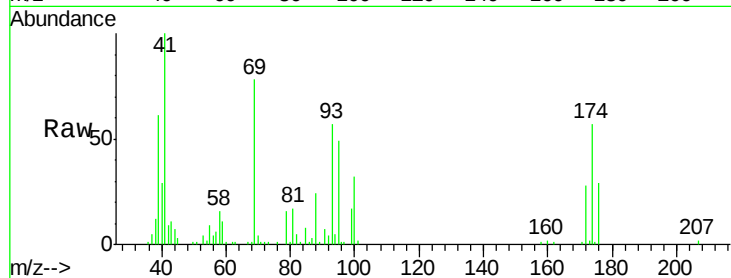




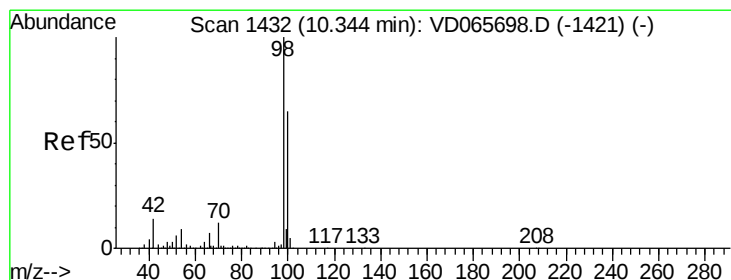
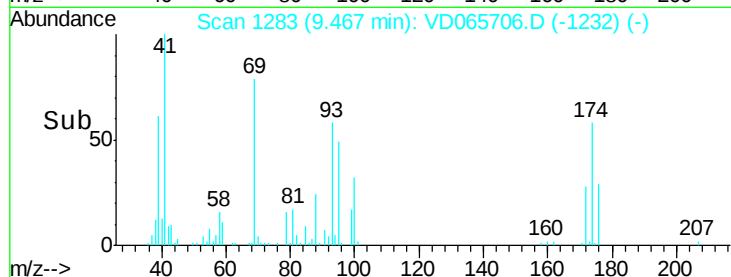
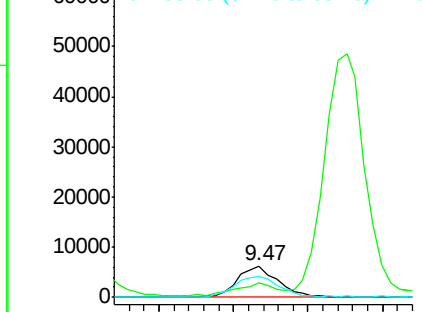
#49
1,4-Dioxane
Concen: 431.057 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 88 Resp: 11828
Ion Ratio Lower Upper
88 100
43 37.4 31.6 47.4
58 78.1 60.2 90.4

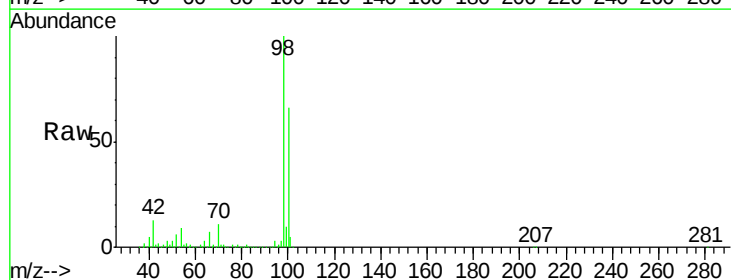


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

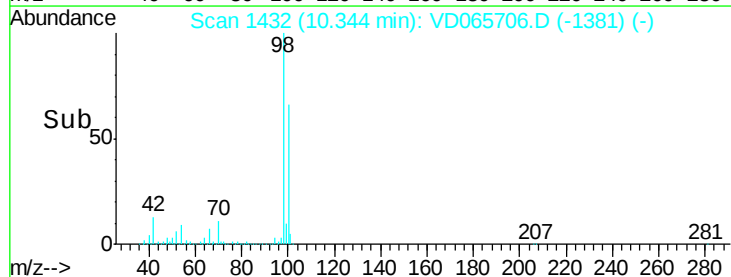
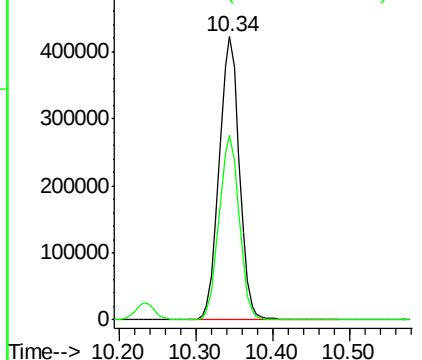


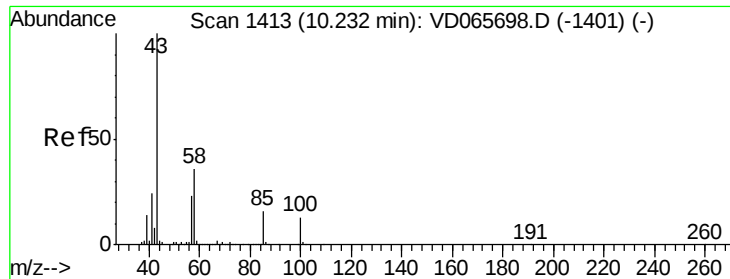
#50
Toluene-d8
Concen: 50.138 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 98 Resp: 765633
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



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

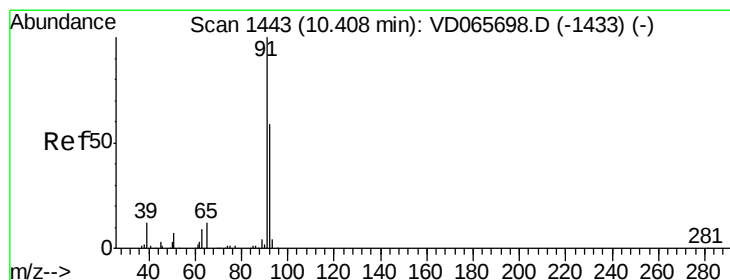
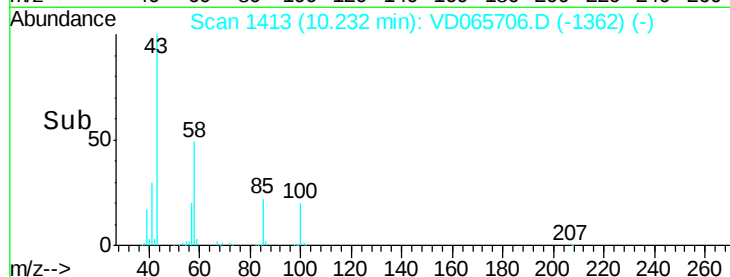
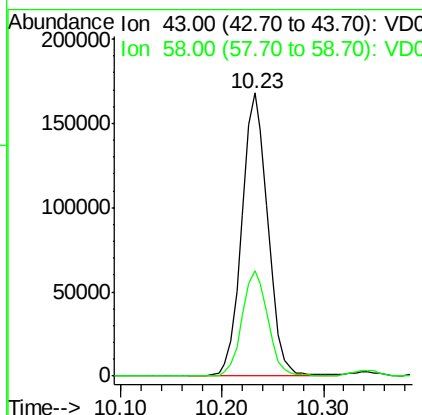
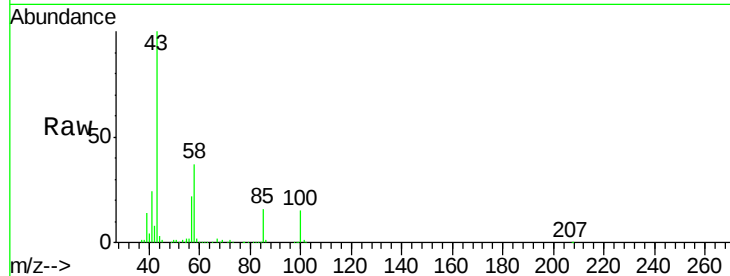




#51
4-Methyl-2-Pentanone
Concen: 100.975 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

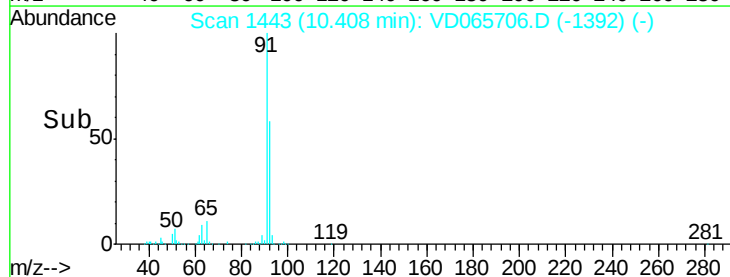
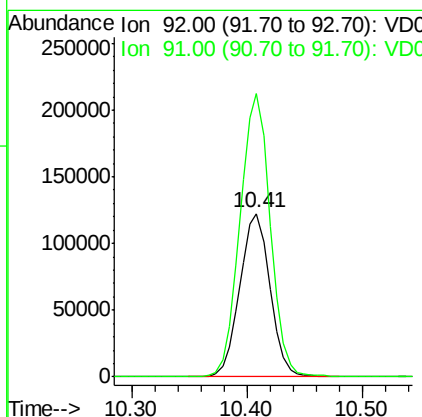
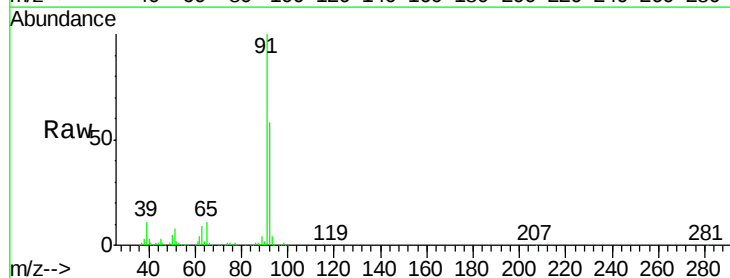
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

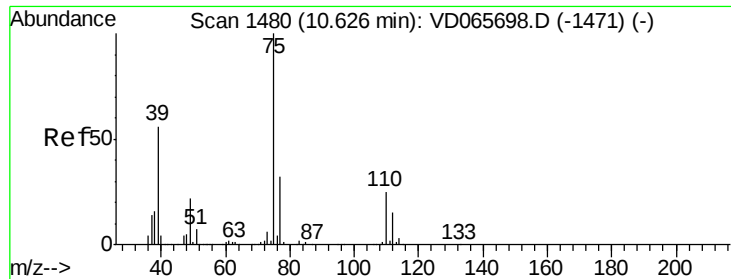
Tot Ion: 43 Resp: 296079
Ion Ratio Lower Upper
43 100
58 37.2 28.6 42.8



#52
Toluene
Concen: 20.485 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 92 Resp: 223550
Ion Ratio Lower Upper
92 100
91 172.7 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 20.372 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

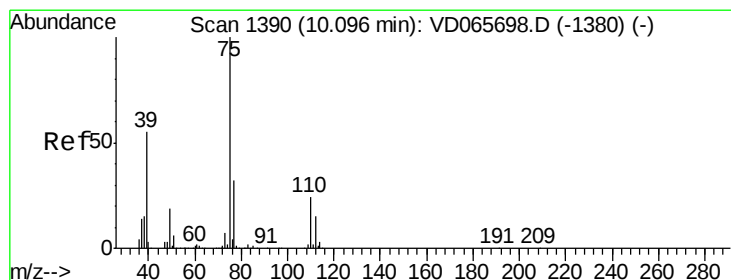
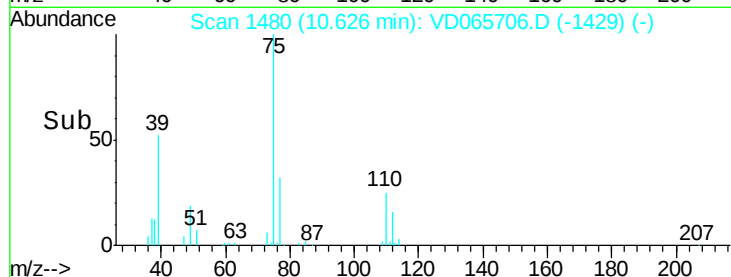
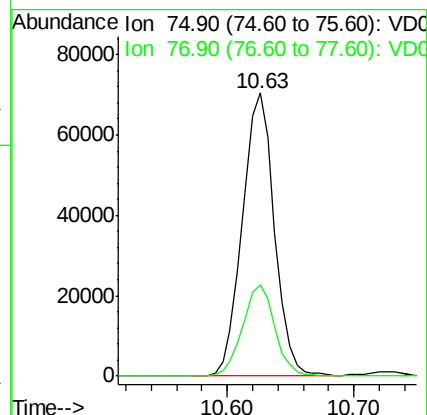
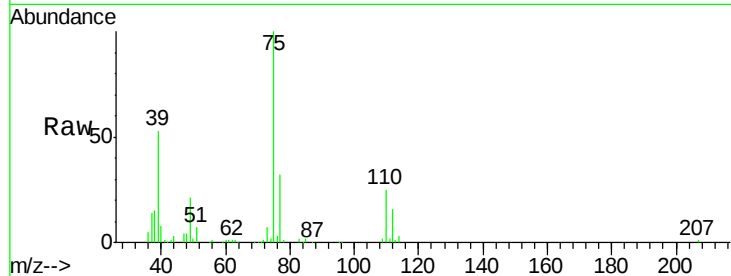
VD0507SBS01

Tot Ion: 75 Resp: 123521

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.380 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

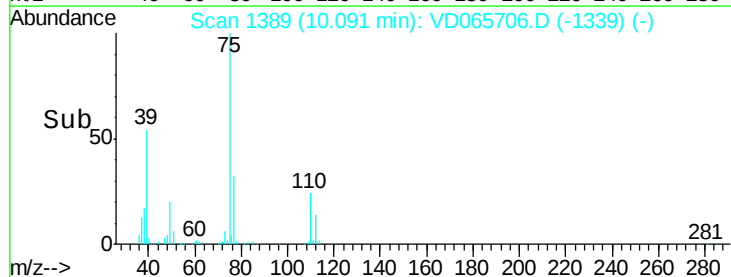
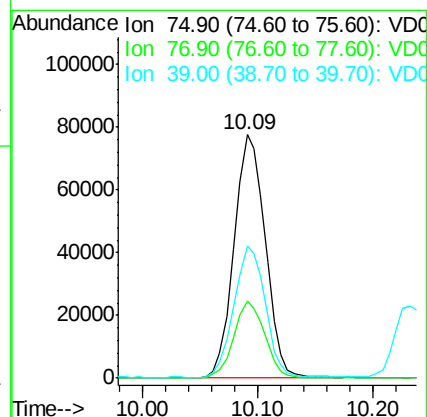
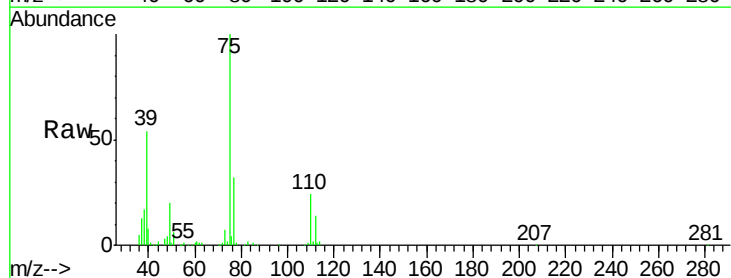
Tgt Ion: 75 Resp: 145579

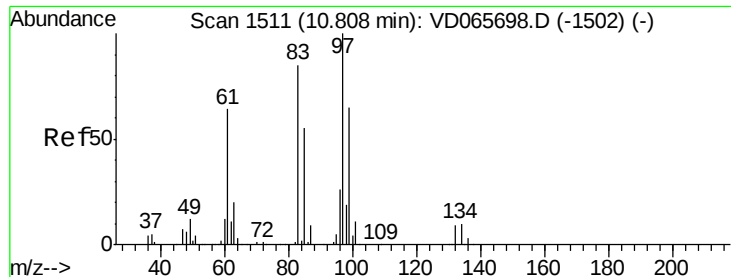
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 53.8 44.4 66.6

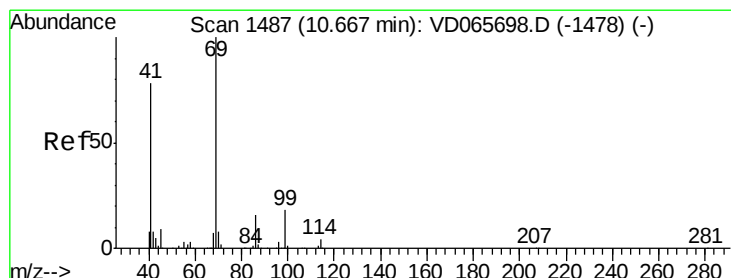
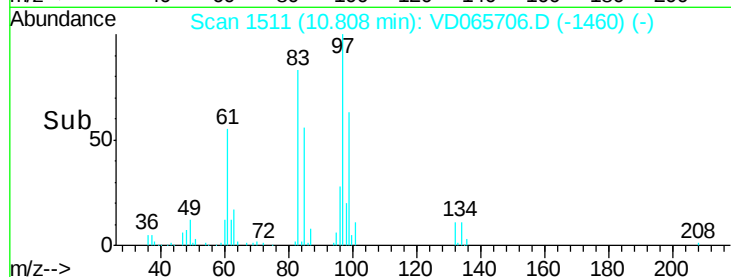
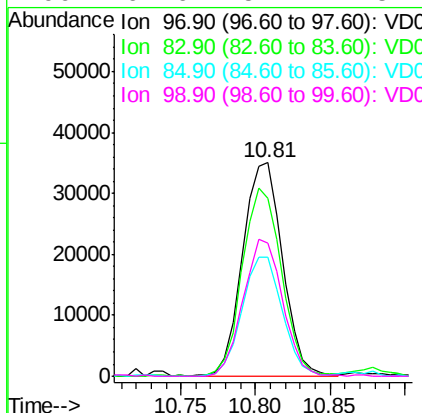
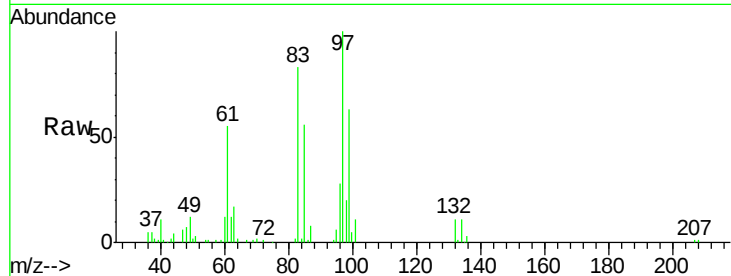




#55
 1,1,2-Trichloroethane
 Concen: 21.518 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

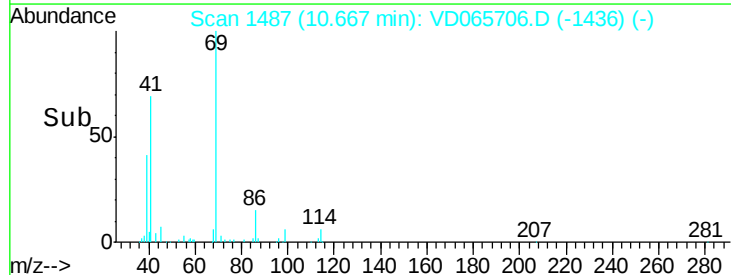
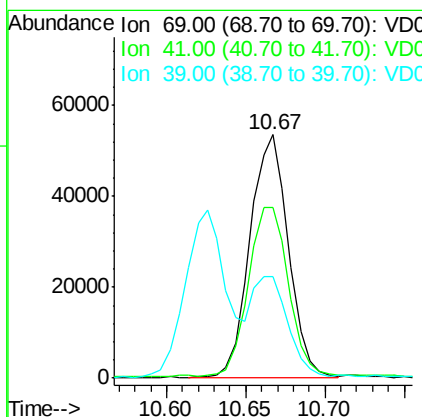
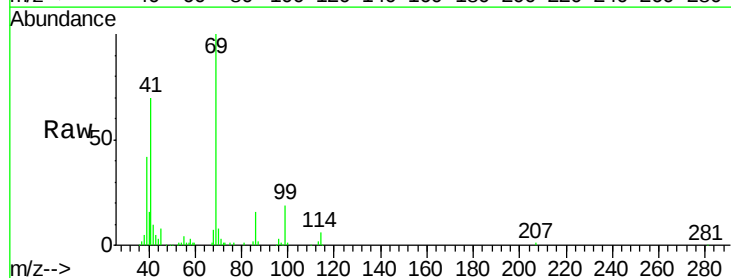
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBSD01

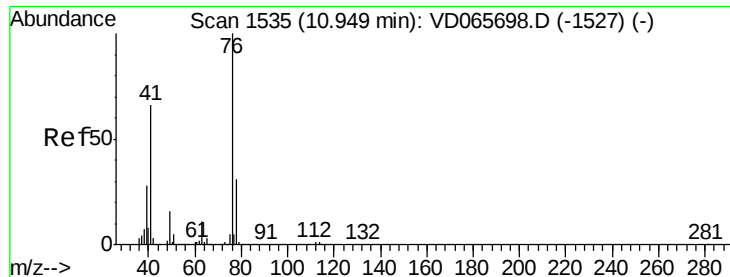
Tot Ion: 97 Resp: 64935
 Ion Ratio Lower Upper
 97 100
 83 83.3 68.2 102.4
 85 55.7 43.6 65.4
 99 62.6 52.2 78.4



#56
 Ethyl methacrylate
 Concen: 20.783 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Tgt Ion: 69 Resp: 90558
 Ion Ratio Lower Upper
 69 100
 41 72.7 61.4 92.0
 39 37.8 32.7 49.1





#57

1,3-Dichloropropane

Concen: 21.030 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

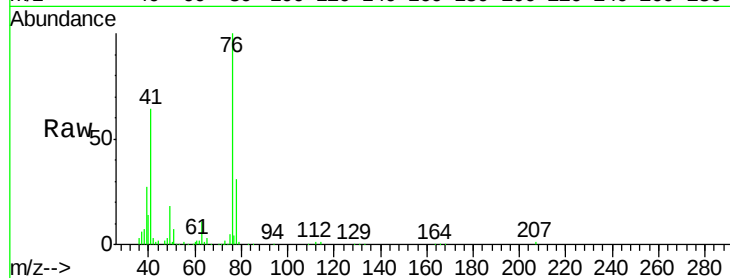
VD0507SBS01

Tot Ion: 76 Resp: 114097

Ion Ratio Lower Upper

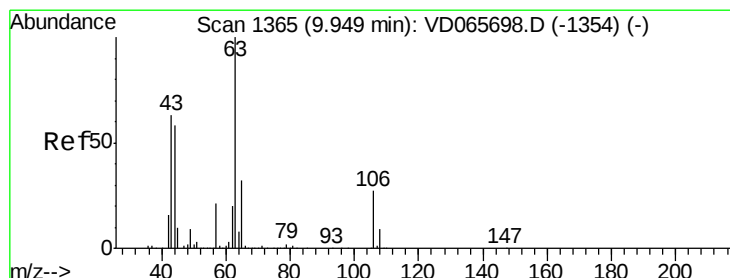
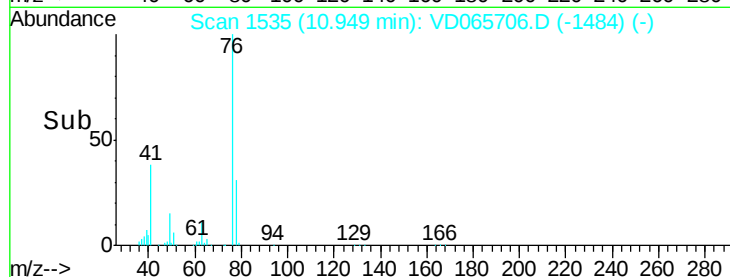
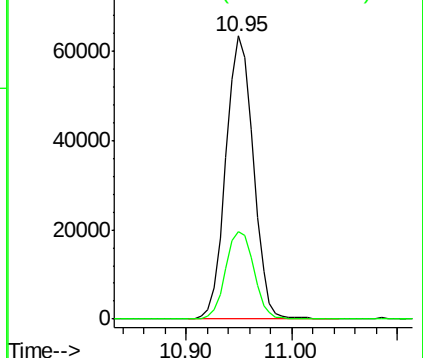
76 100

78 31.8 25.8 38.8



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: 101.013 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065706.D

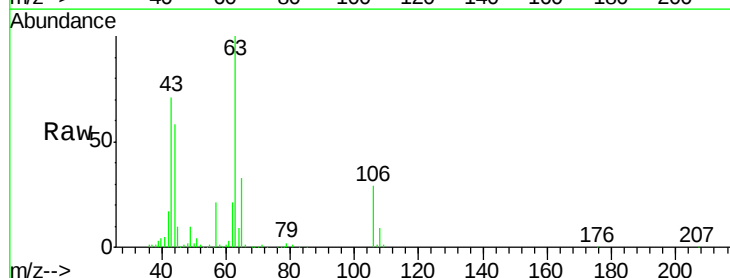
Acq: 07 May 2020 12:01

Tgt Ion: 63 Resp: 202061

Ion Ratio Lower Upper

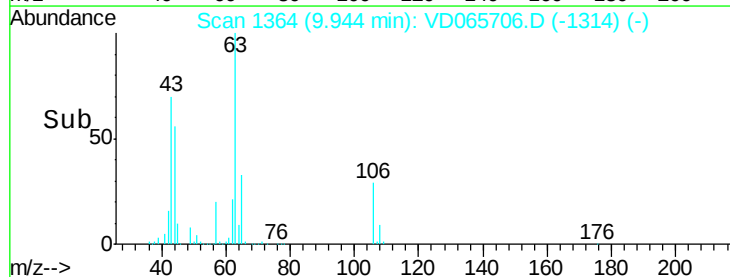
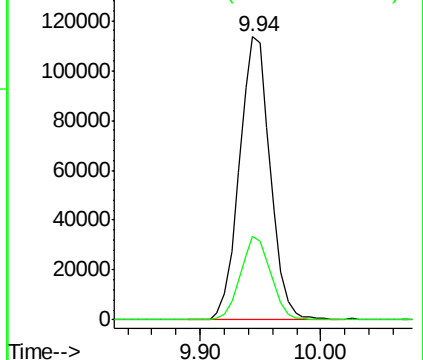
63 100

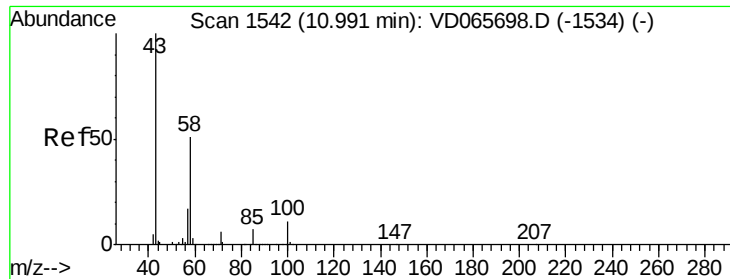
106 29.3 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

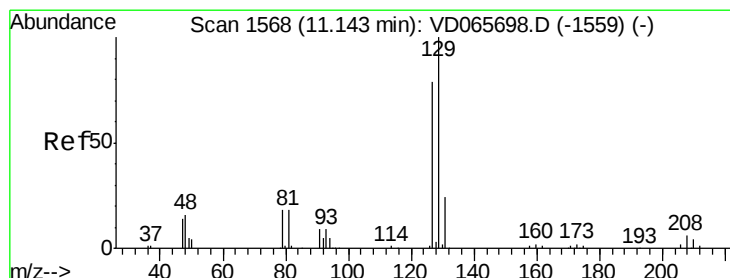
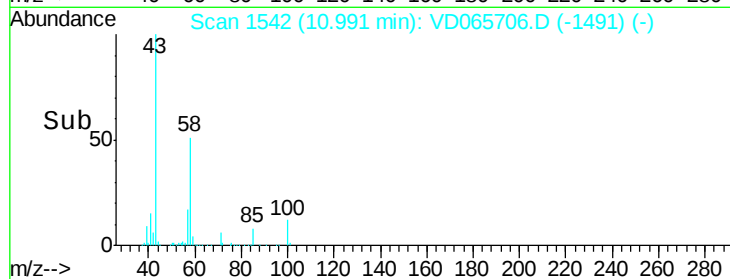
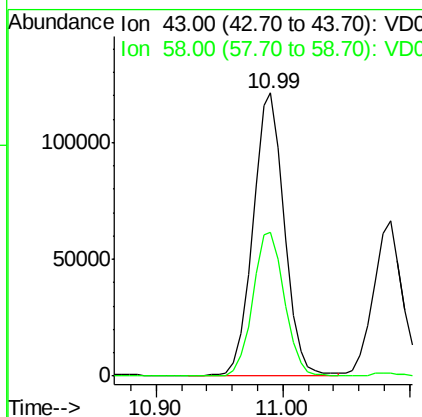
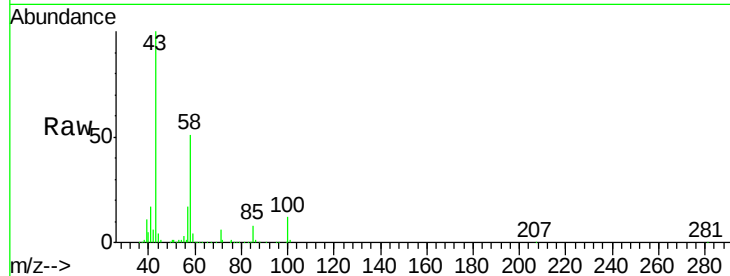




#59
2-Hexanone
Concen: 102.721 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

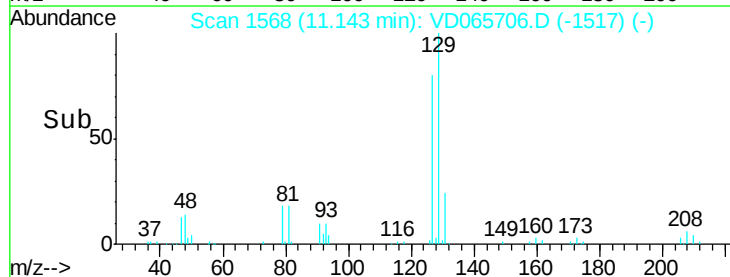
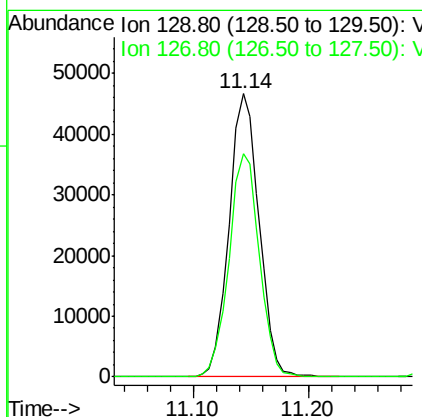
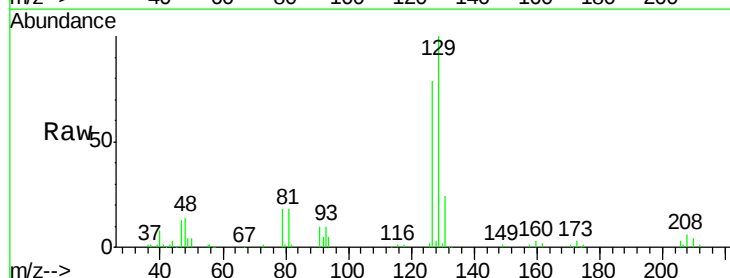
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

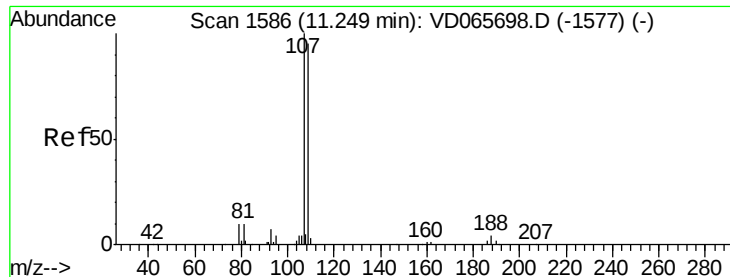
Tot Ion: 43 Resp: 207164
Ion Ratio Lower Upper
43 100
58 51.6 25.4 76.0



#60
Dibromochloromethane
Concen: 20.701 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion: 129 Resp: 83920
Ion Ratio Lower Upper
129 100
127 79.6 38.9 116.6

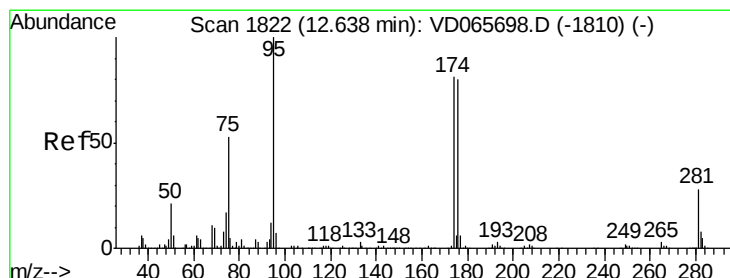
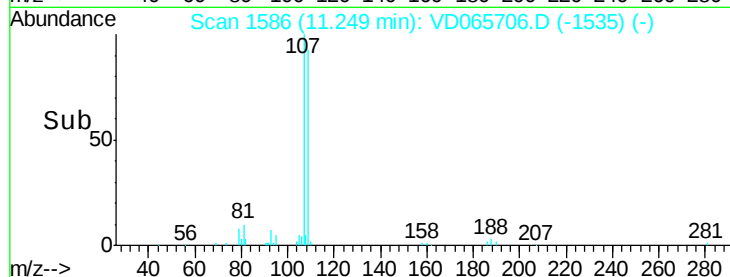
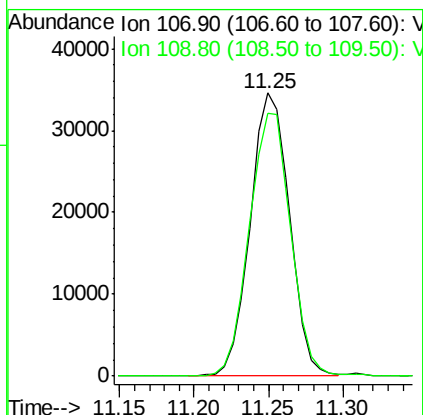
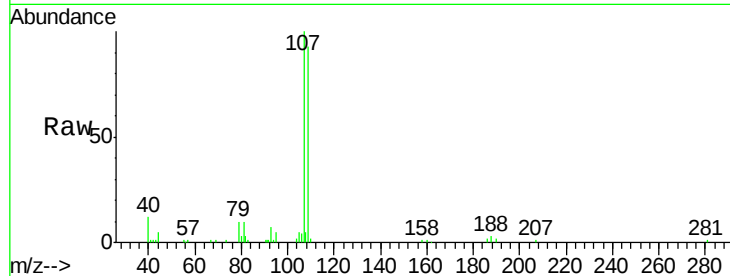




#61
 1,2-Dibromoethane
 Concen: 20.640 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

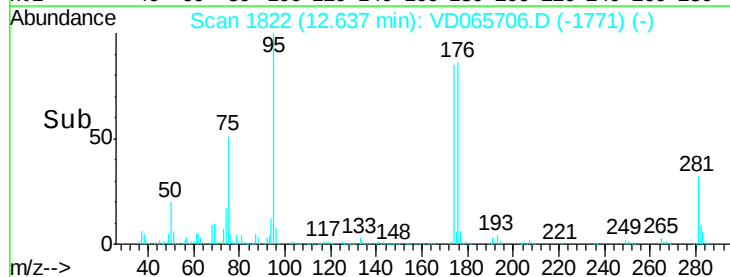
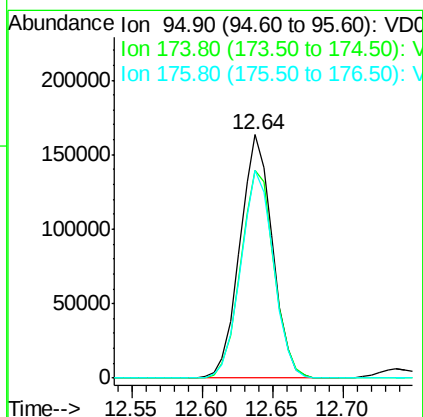
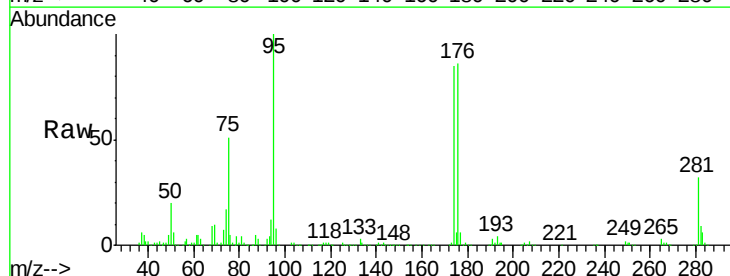
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBSD01

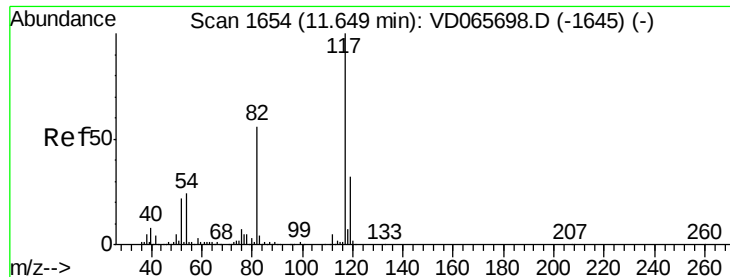
Tot Ion:107 Resp: 62670
 Ion Ratio Lower Upper
 107 100
 109 98.0 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 48.640 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Tgt Ion: 95 Resp: 263314
 Ion Ratio Lower Upper
 95 100
 174 87.3 0.0 162.6
 176 85.5 0.0 159.0

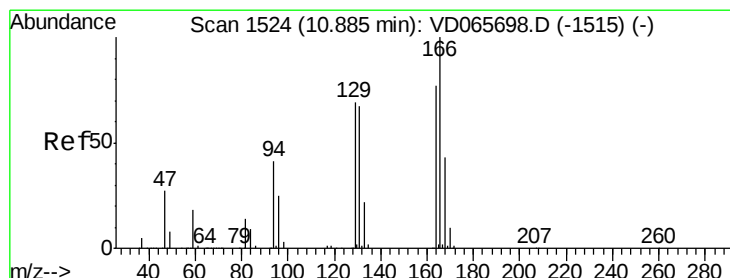
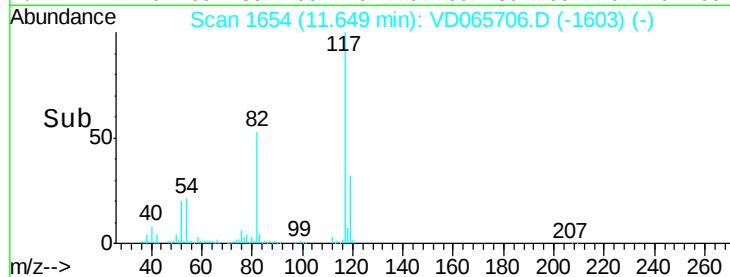
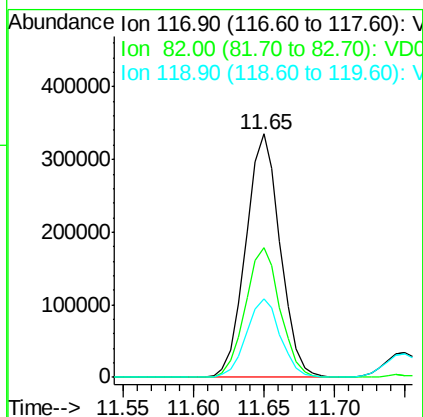
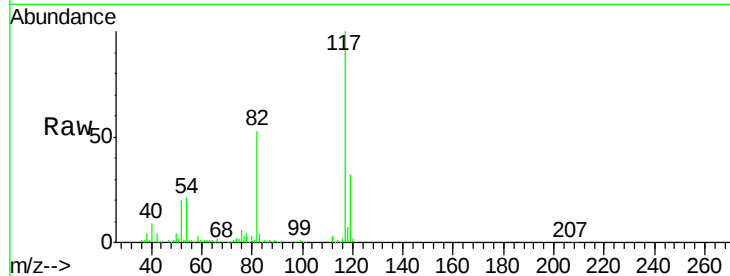




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

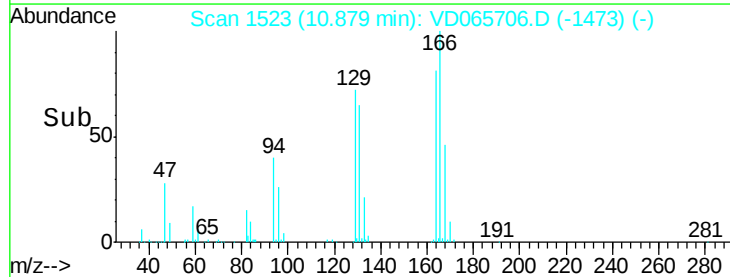
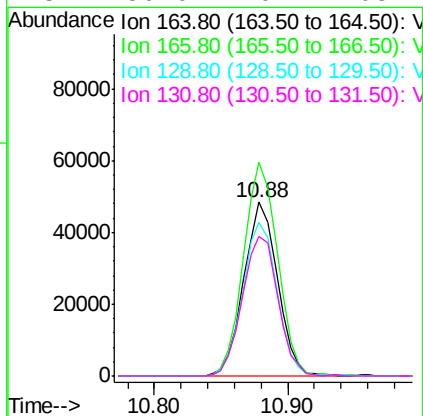
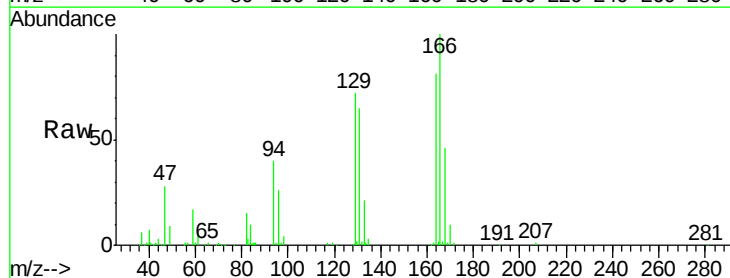
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

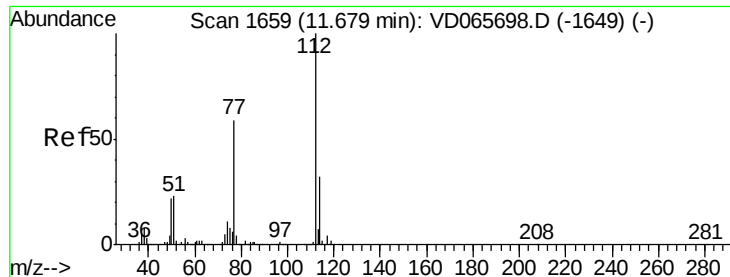
Tot Ion:117 Resp: 571835
Ion Ratio Lower Upper
117 100
82 53.1 44.9 67.3
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 20.784 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion:164 Resp: 84582
Ion Ratio Lower Upper
164 100
166 122.8 104.3 156.5
129 88.1 71.9 107.9
131 80.0 70.2 105.2

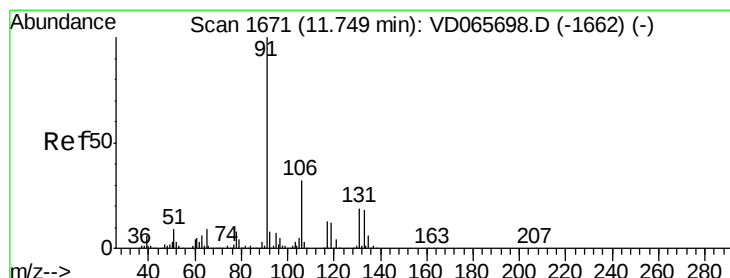
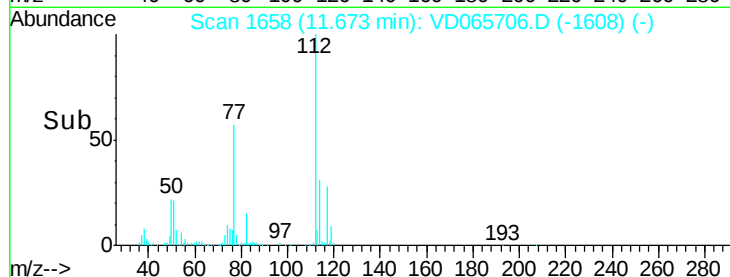
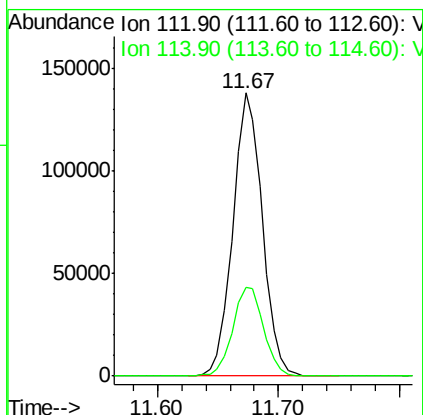
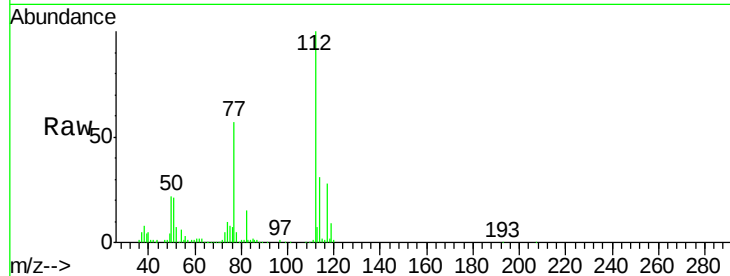




#65
Chlorobenzene
Concen: 20.353 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

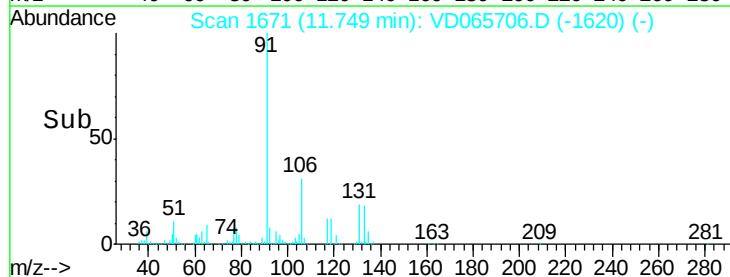
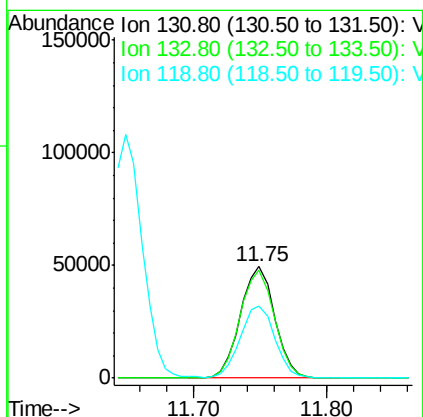
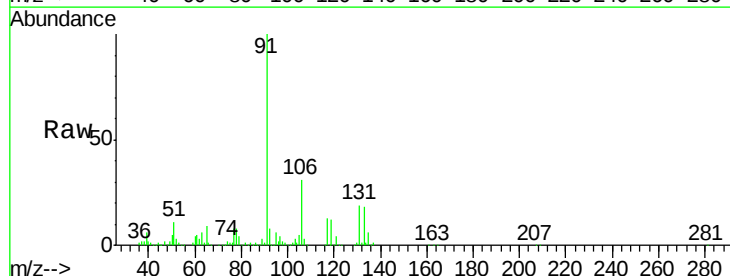
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

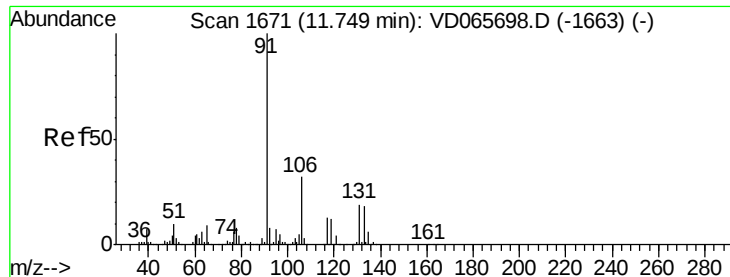
Tot Ion:112 Resp: 234492
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.563 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion:131 Resp: 88329
Ion Ratio Lower Upper
131 100
133 97.3 47.3 141.8
119 65.2 31.8 95.4





#67

Ethyl Benzene

Concen: 20.054 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

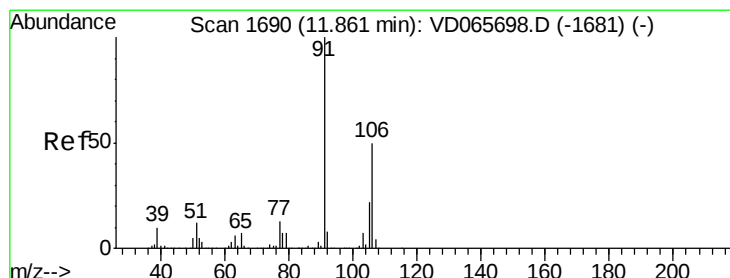
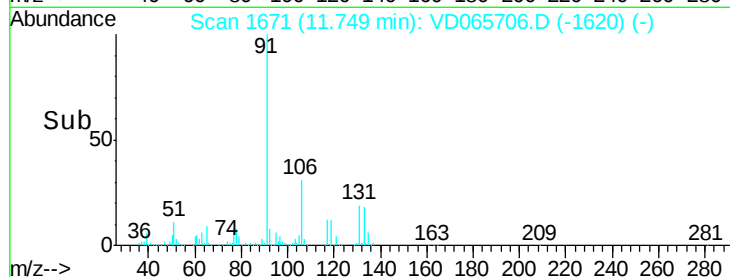
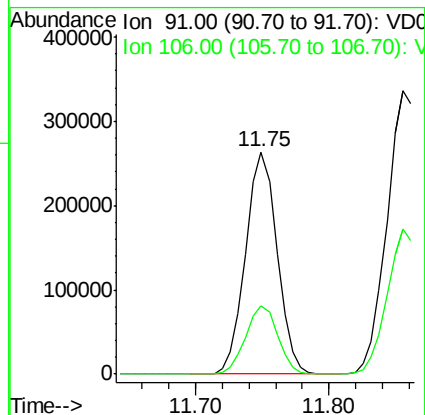
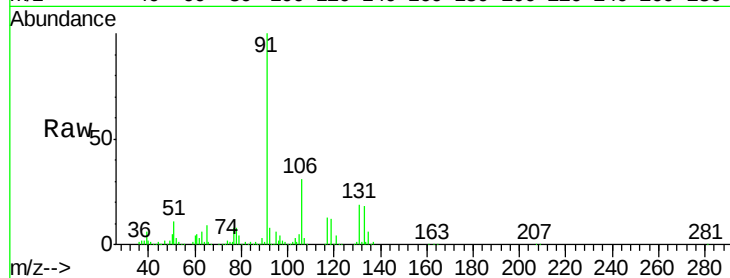
VD0507SBS01

Tot Ion: 91 Resp: 431020

Ion Ratio Lower Upper

91 100

106 31.0 25.2 37.8



#68

m/p-Xylenes

Concen: 40.939 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065706.D

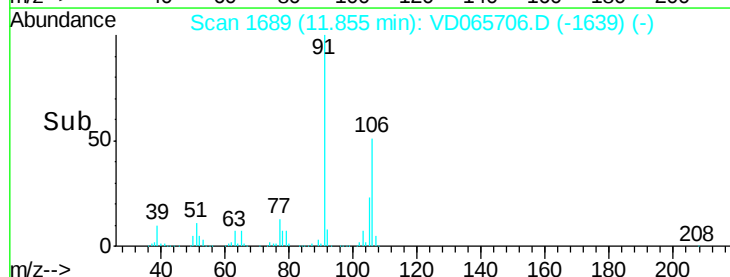
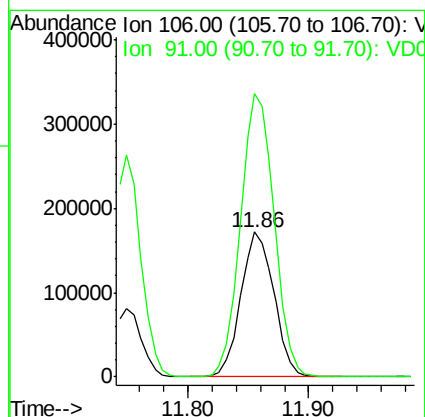
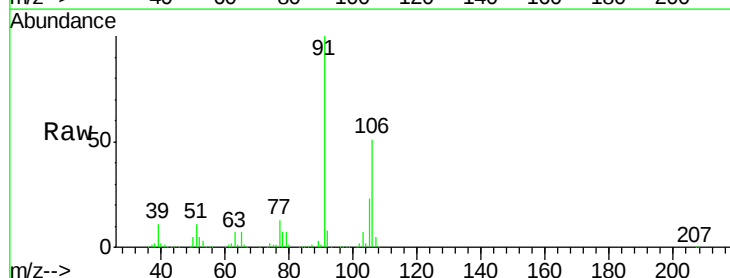
Acq: 07 May 2020 12:01

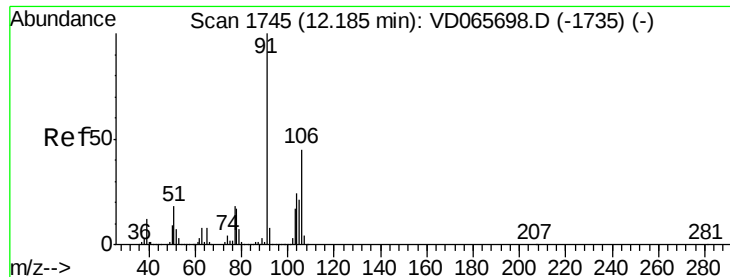
Tgt Ion: 106 Resp: 328031

Ion Ratio Lower Upper

106 100

91 198.4 163.1 244.7

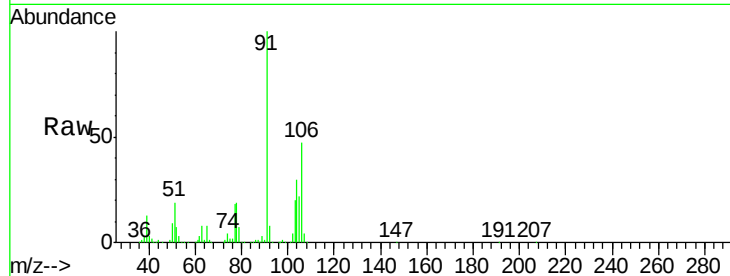




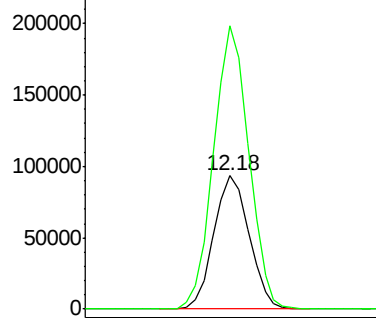
#69
o-Xylene
Concen: 20.589 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

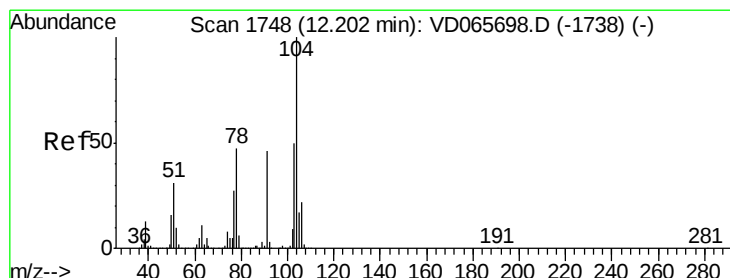
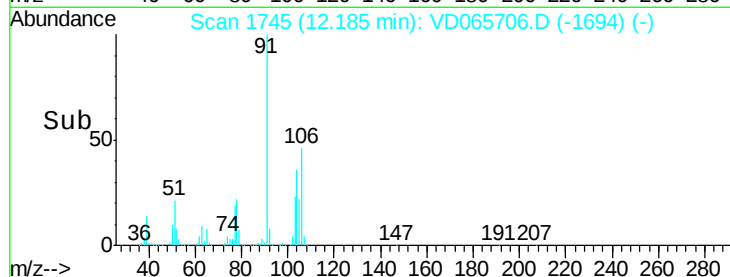
Tot Ion:106 Resp: 153937
Ion Ratio Lower Upper
106 100
91 210.1 107.9 323.7



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

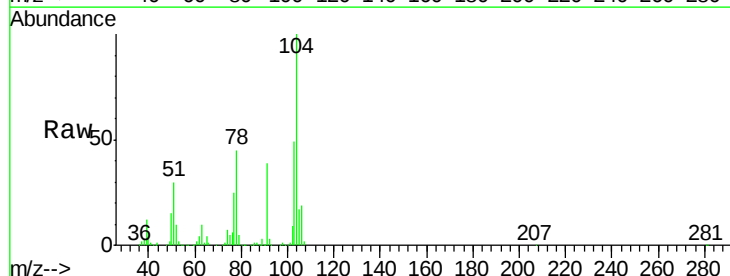


Time--> 12.10 12.15 12.20 12.25

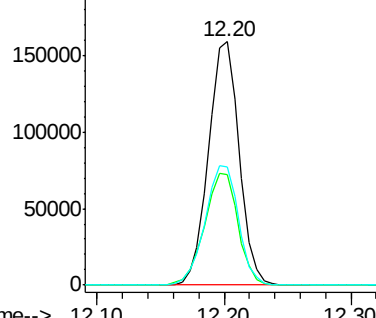


#70
Styrene
Concen: 20.716 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

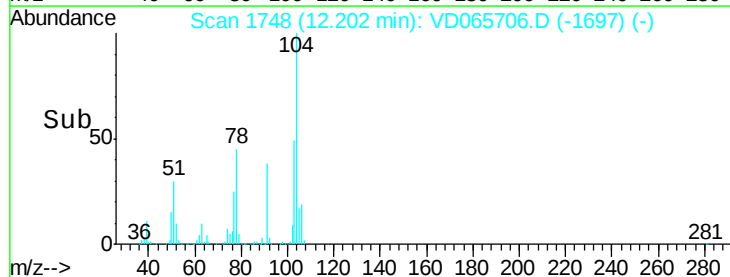
Tgt Ion:104 Resp: 266305
Ion Ratio Lower Upper
104 100
78 49.9 41.0 61.4
103 53.6 43.8 65.6

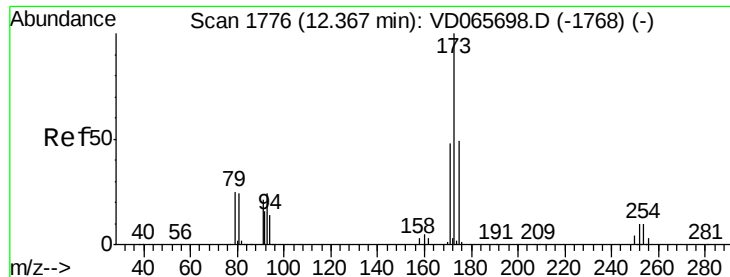


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20 12.30

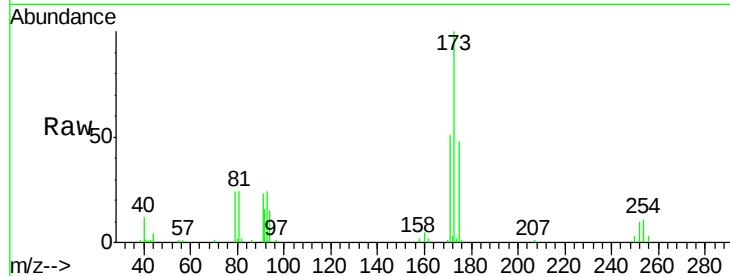




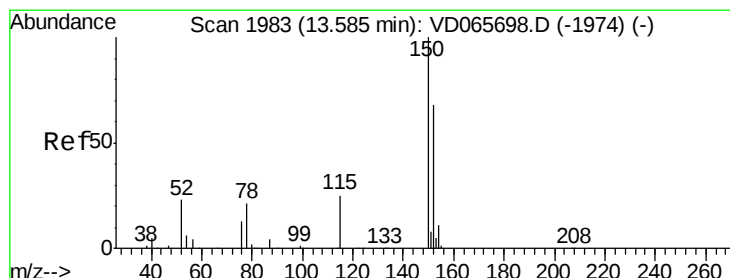
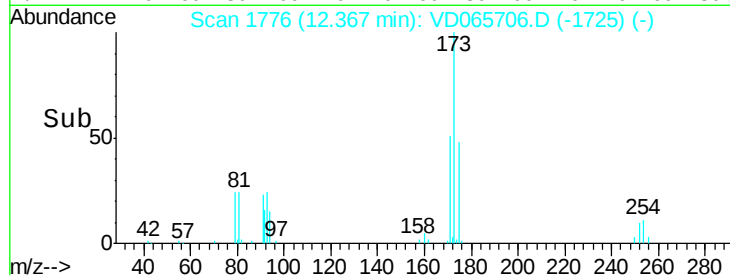
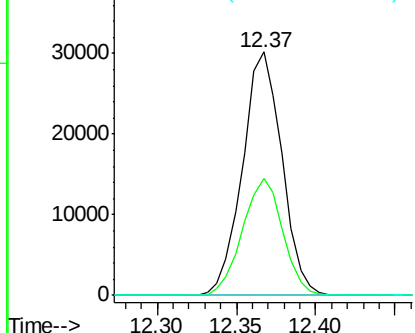
#71
Bromoform
Concen: 21.553 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBSD01

Tot Ion:173 Resp: 52094
Ion Ratio Lower Upper
173 100
175 48.8 24.5 73.5
254 0.0 0.0 0.0

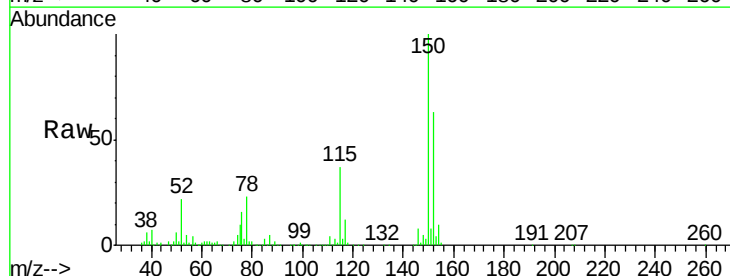


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

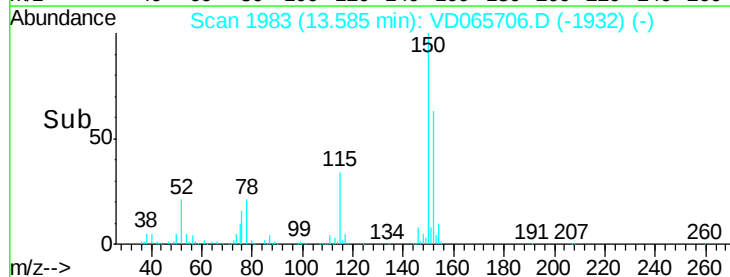
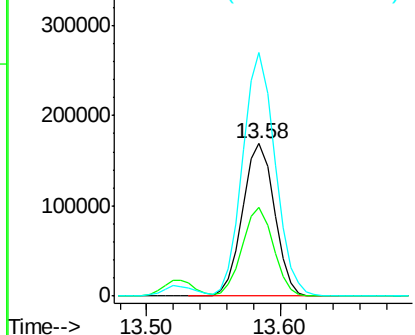


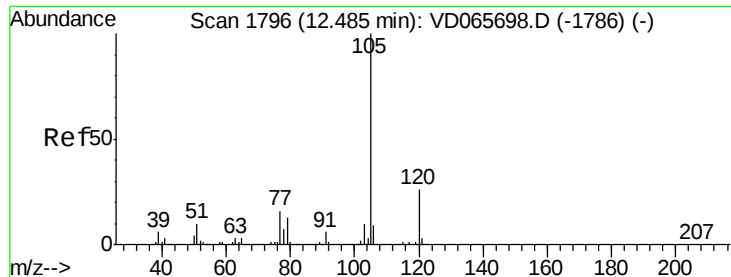
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion:152 Resp: 279273
Ion Ratio Lower Upper
152 100
115 57.0 29.5 88.5
150 162.8 0.0 346.8



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: 19.831 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

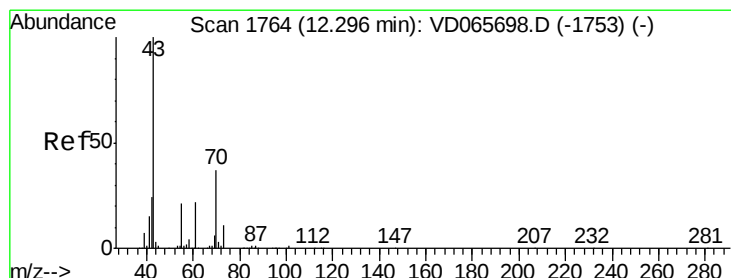
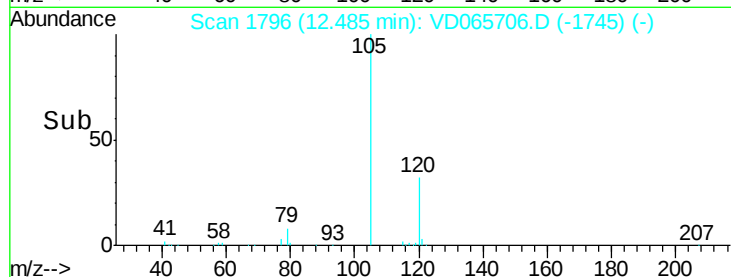
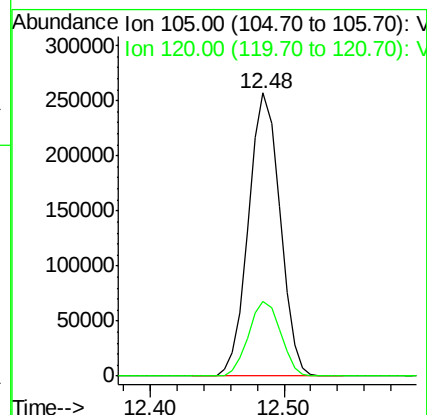
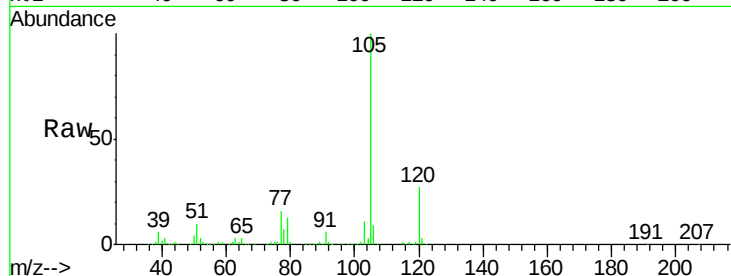
VD0507SBS01

Tot Ion:105 Resp: 419624

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 18.913 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Tgt Ion: 43 Resp: 114249

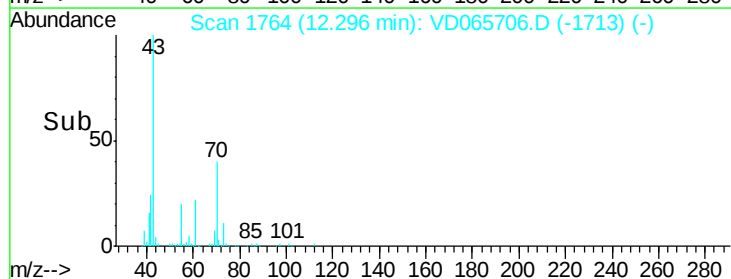
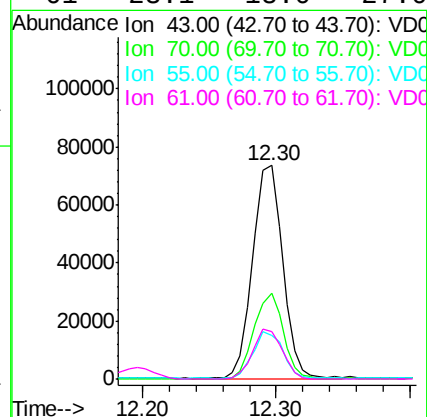
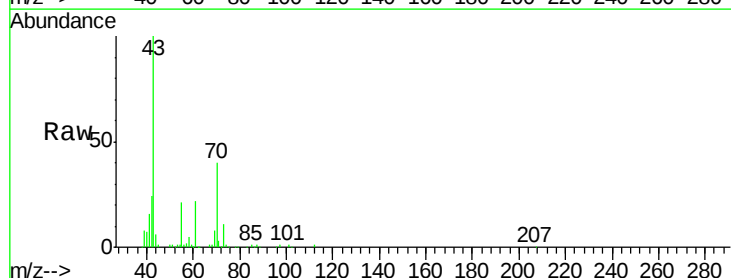
Ion Ratio Lower Upper

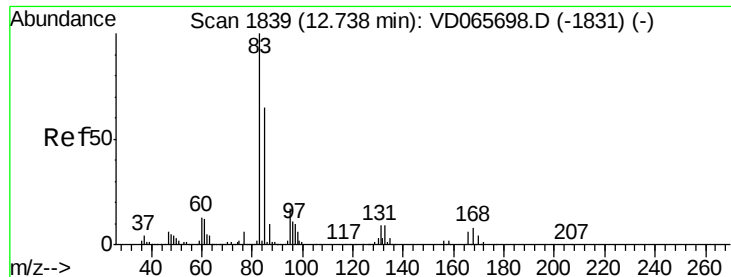
43 100

70 39.2 29.3 43.9

55 21.8 16.4 24.6

61 23.1 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.358 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBSD01

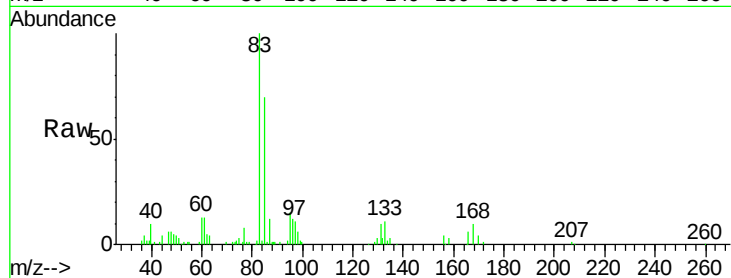
Tot Ion: 83 Resp: 72235

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.7

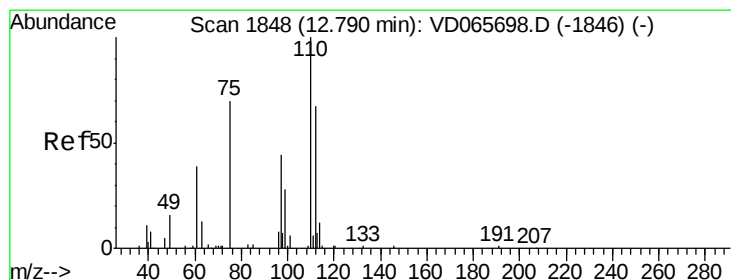
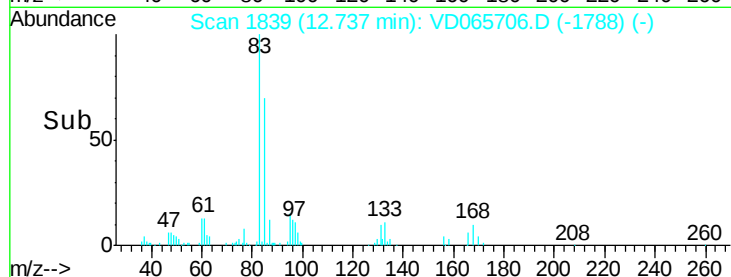
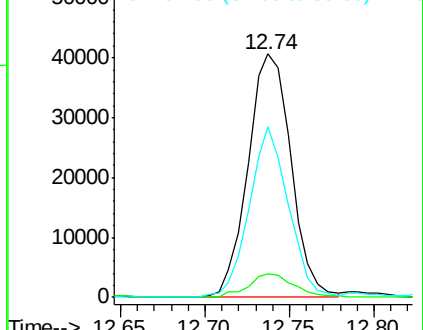
85 63.8 31.9 95.9



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: 20.213 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065706.D

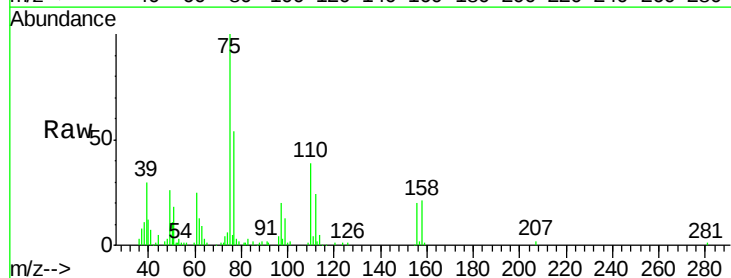
Acq: 07 May 2020 12:01

Tgt Ion: 75 Resp: 47677

Ion Ratio Lower Upper

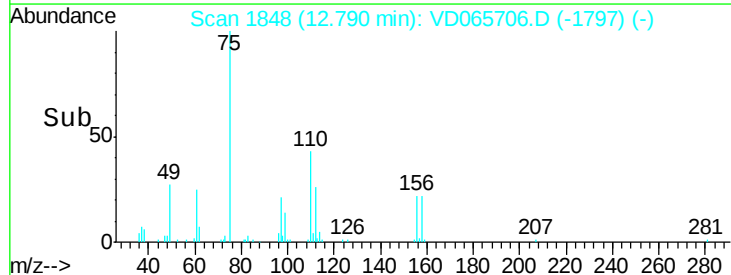
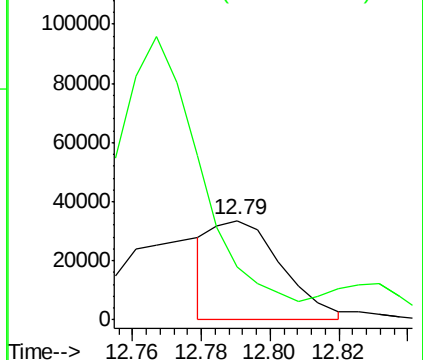
75 100

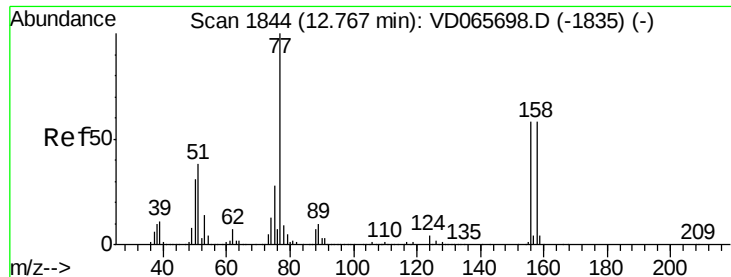
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.946 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

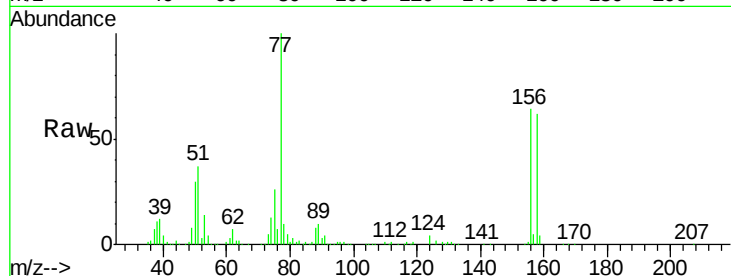
Tot Ion:156 Resp: 101636

Ion Ratio Lower Upper

156 100

77 170.3 92.9 278.7

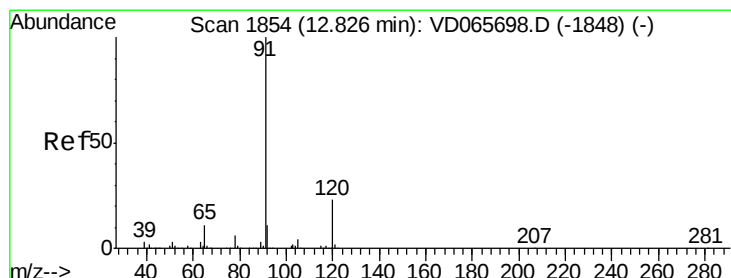
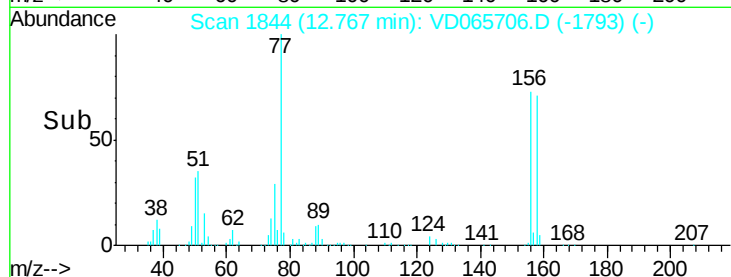
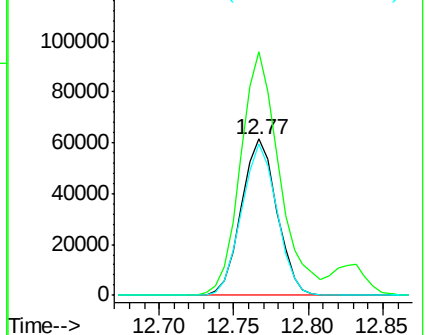
158 96.1 48.9 146.7



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: 19.846 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065706.D

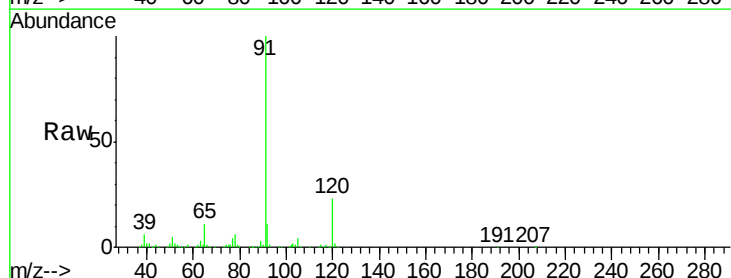
Acq: 07 May 2020 12:01

Tgt Ion: 91 Resp: 494466

Ion Ratio Lower Upper

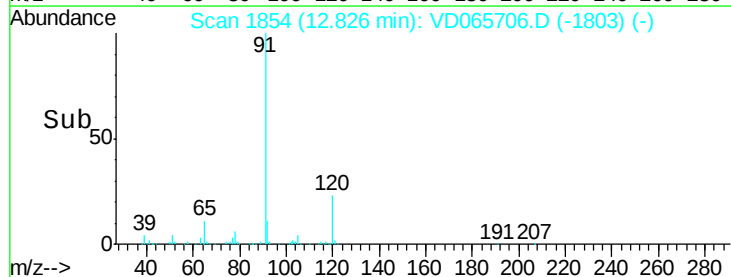
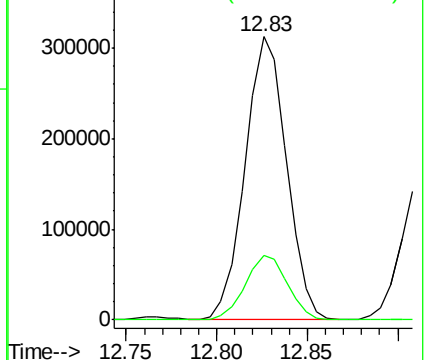
91 100

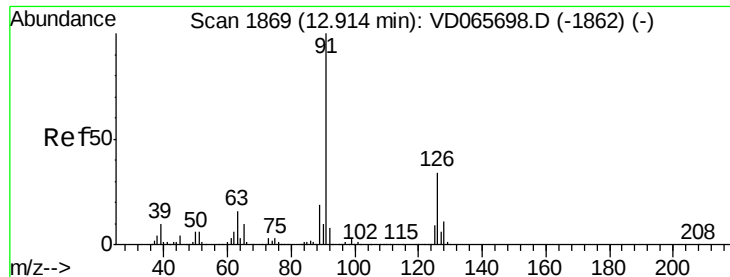
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.544 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

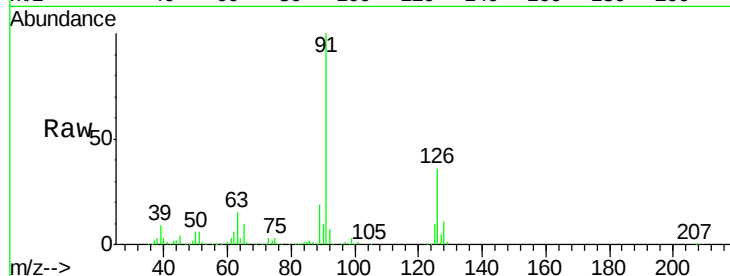
VD0507SBSD01

Tot Ion: 91 Resp: 275123

Ion Ratio Lower Upper

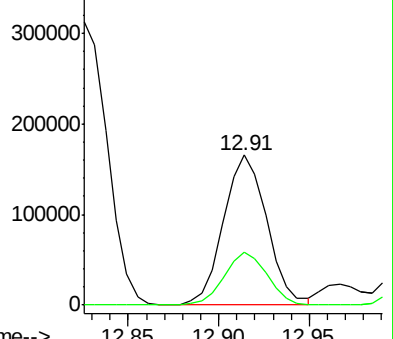
91 100

126 35.2 16.9 50.6

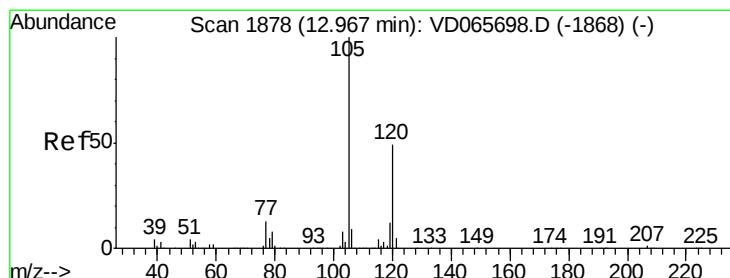
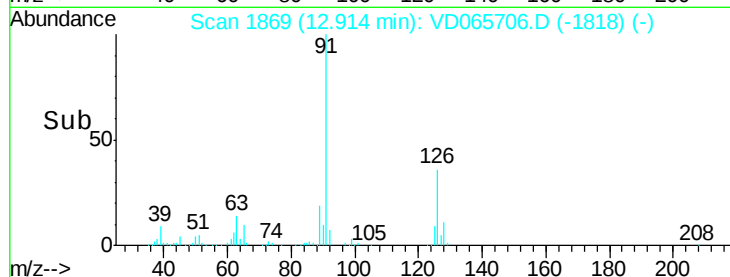


Abundance Ion 91.00 (90.70 to 91.70): VD065706.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065706.D (-1862) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.944 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065706.D

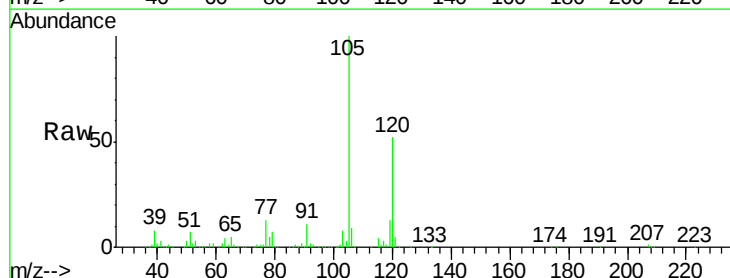
Acq: 07 May 2020 12:01

Tgt Ion:105 Resp: 346476

Ion Ratio Lower Upper

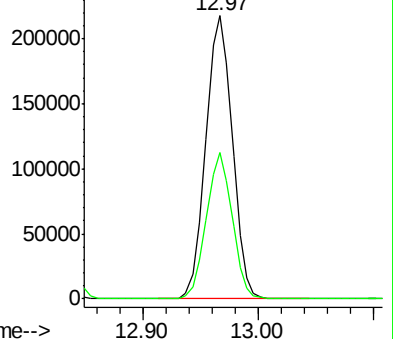
105 100

120 50.1 24.6 73.8

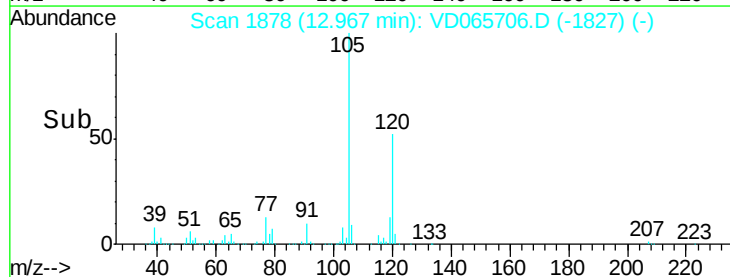


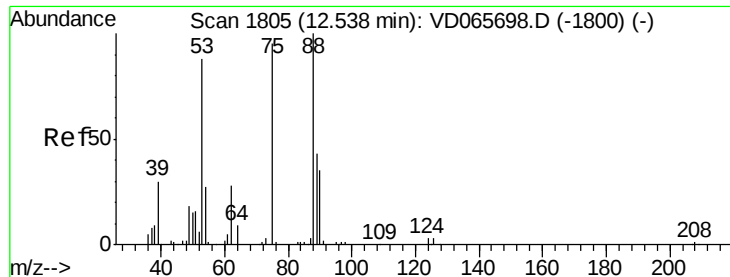
Abundance Ion 105.00 (104.70 to 105.70): VD065706.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD065706.D (-1827) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.585 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

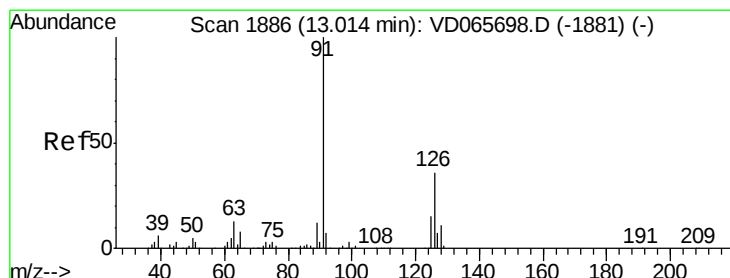
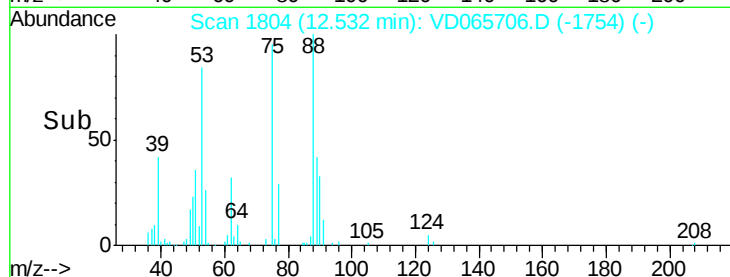
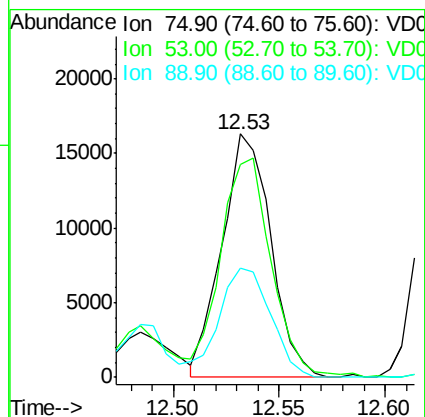
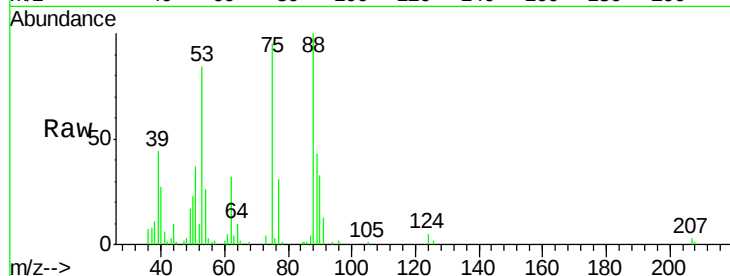
Tot Ion: 75 Resp: 26097

Ion Ratio Lower Upper

75 100

53 93.7 75.8 113.8

89 48.1 36.2 54.2



#82

4-Chlorotoluene

Concen: 19.602 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065706.D

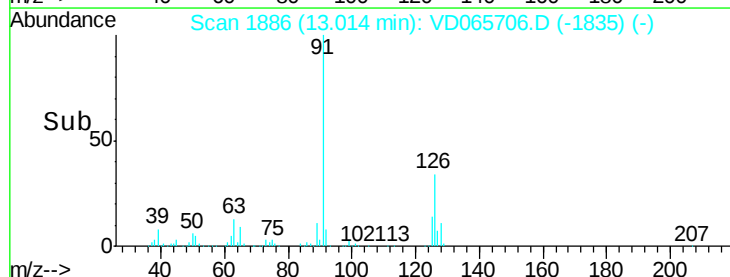
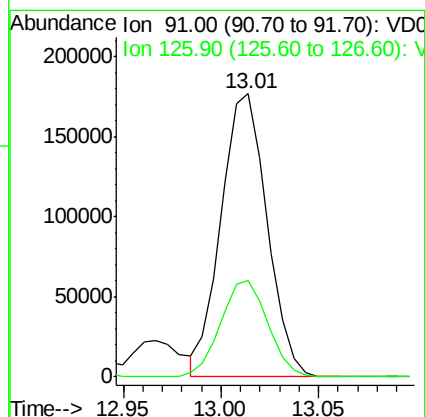
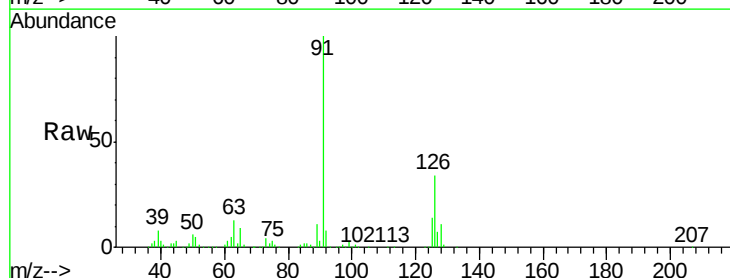
Acq: 07 May 2020 12:01

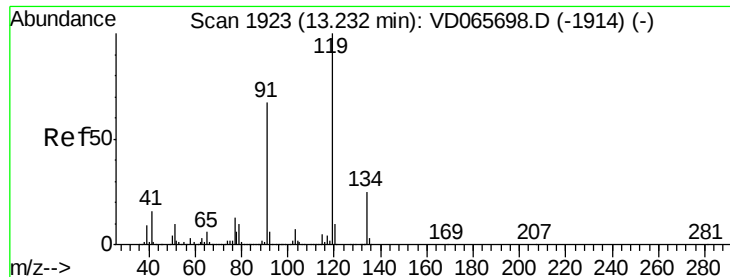
Tgt Ion: 91 Resp: 288748

Ion Ratio Lower Upper

91 100

126 35.0 17.1 51.3

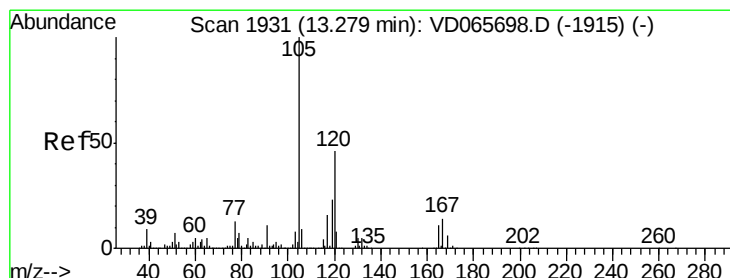
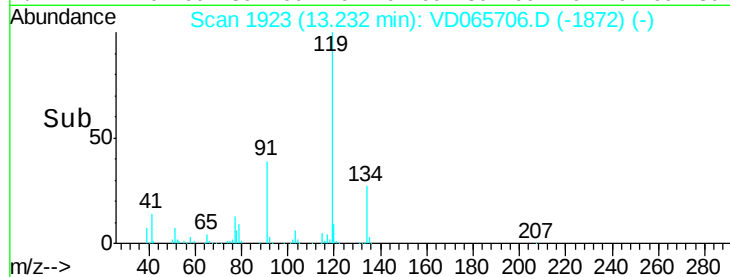
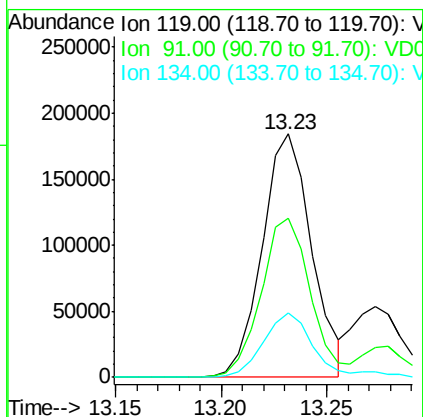
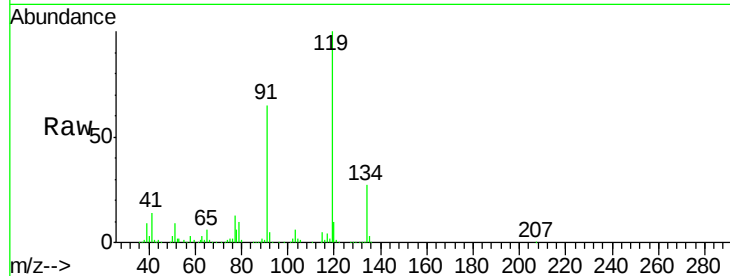




#83
tert-Butylbenzene
Concen: 20.281 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

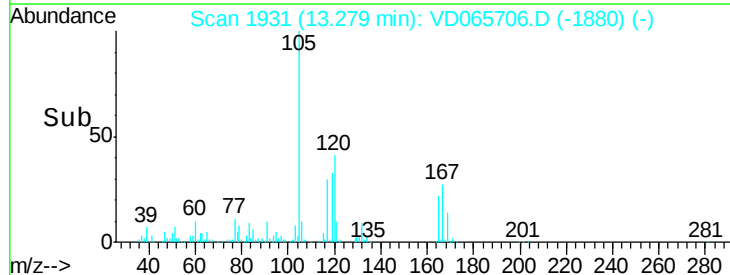
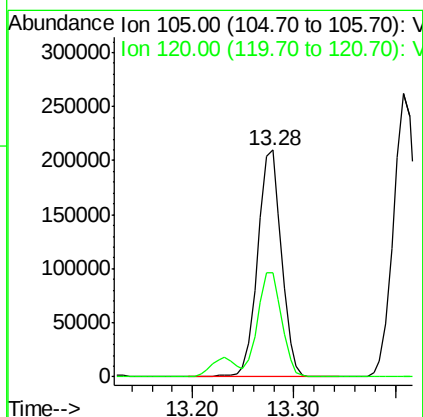
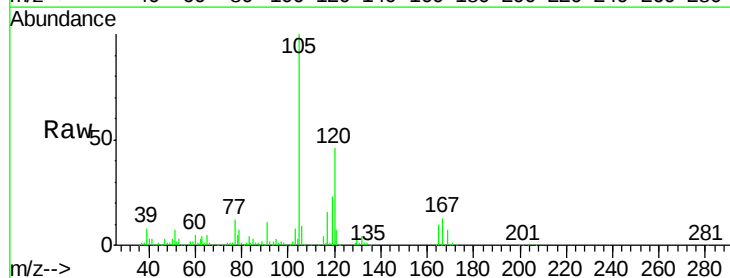
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

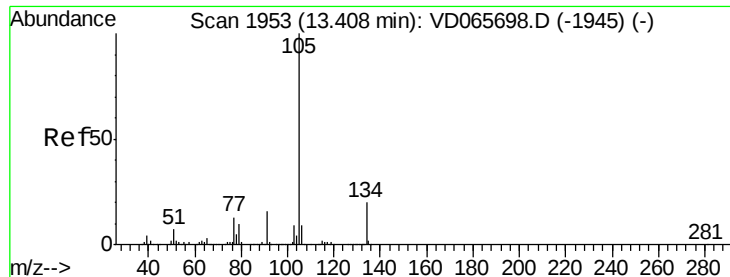
Tot Ion:119 Resp: 299895
Ion Ratio Lower Upper
119 100
91 65.8 33.6 100.8
134 27.6 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 19.719 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065706.D
Acq: 07 May 2020 12:01

Tgt Ion:105 Resp: 341239
Ion Ratio Lower Upper
105 100
120 46.1 22.8 68.4

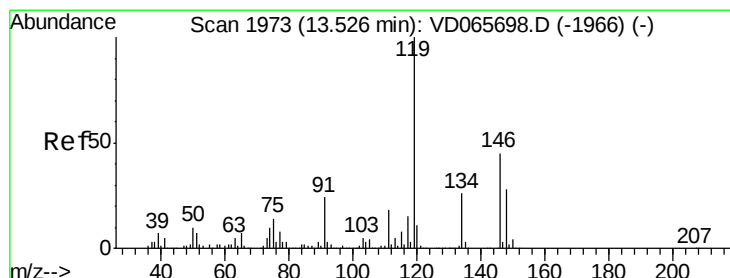
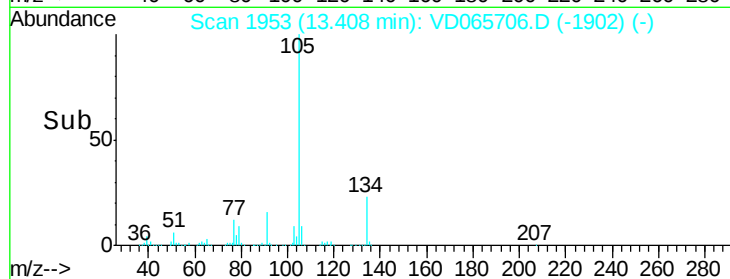
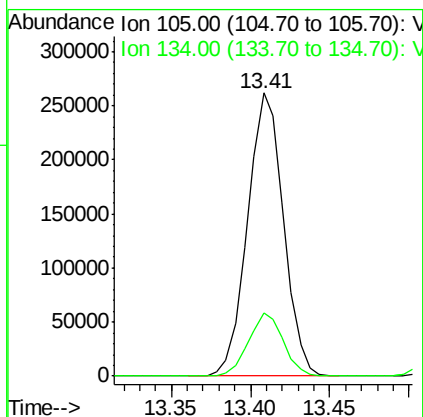
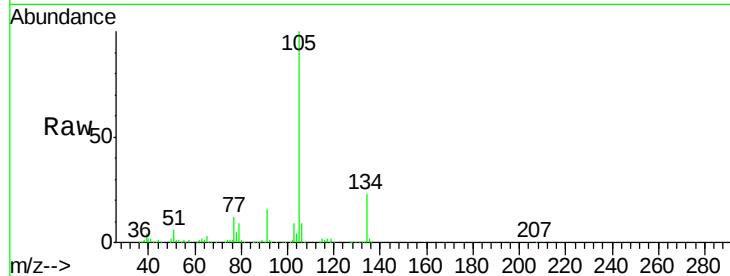




#85
 sec-Butylbenzene
 Concen: 19.883 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

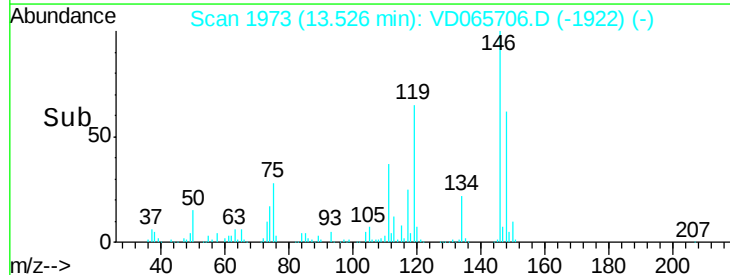
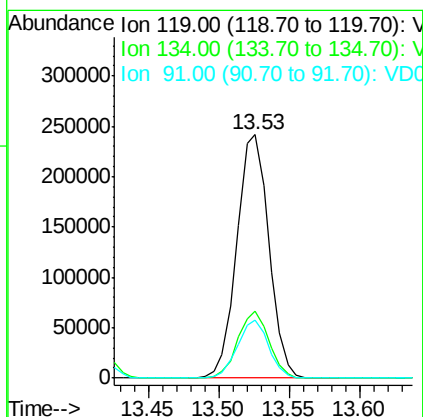
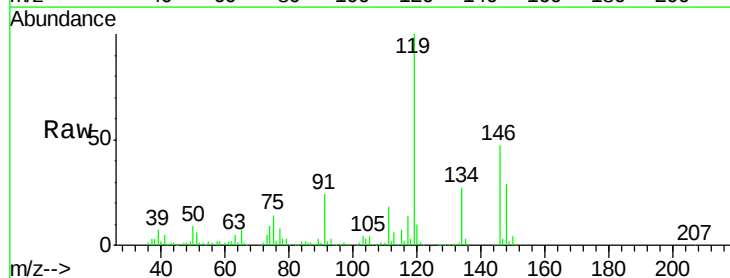
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

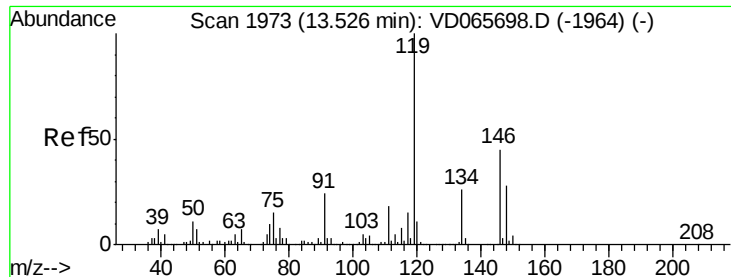
Tot Ion:105 Resp: 412423
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.290 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Tgt Ion:119 Resp: 383519
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.2 39.6
 91 23.0 12.0 36.1

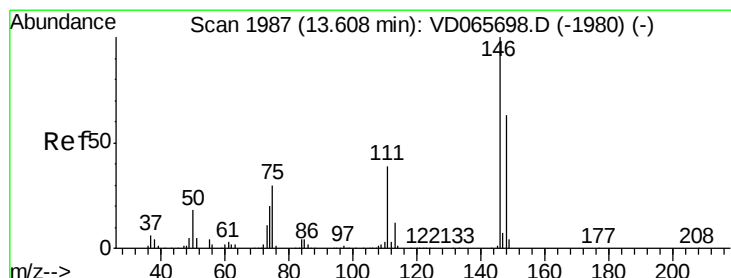
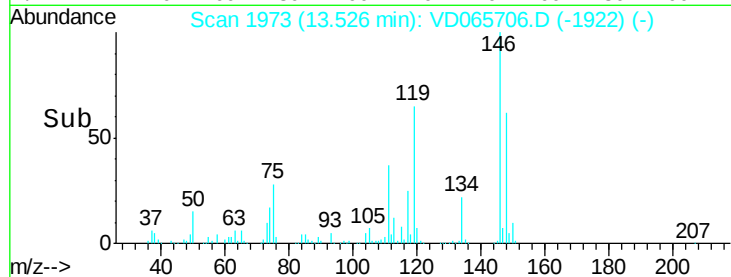
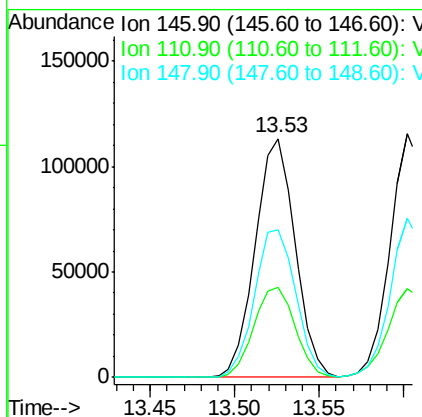
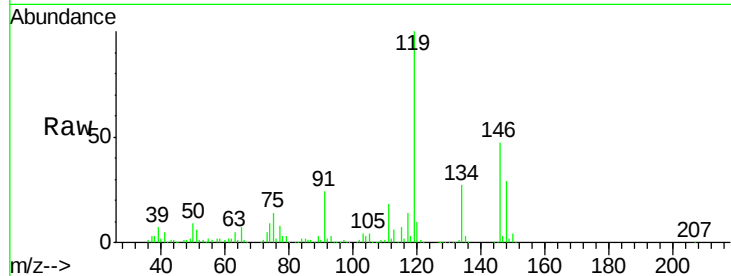




#87
 1,3-Dichlorobenzene
 Concen: 20.484 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

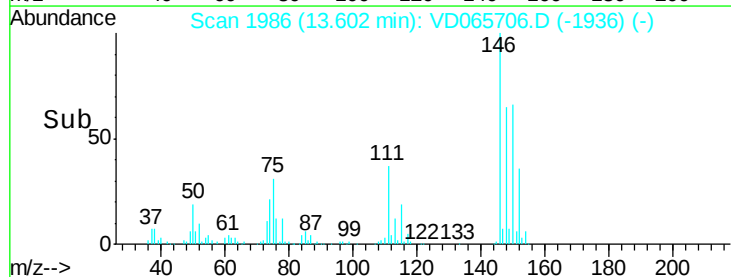
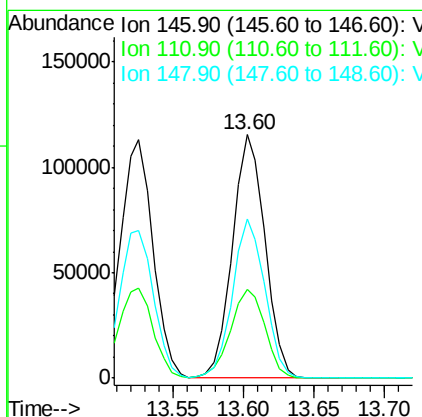
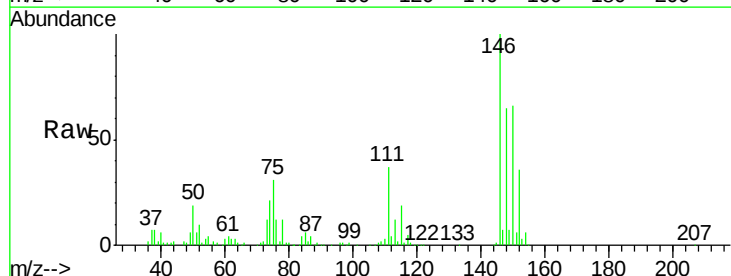
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBSD01

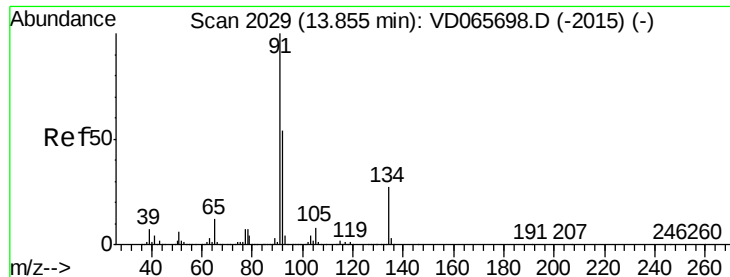
Tot Ion:146 Resp: 186810
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.8
 148 64.0 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.668 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Tgt Ion:146 Resp: 185967
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.7
 148 64.7 31.9 95.5





#89

n-Butylbenzene

Concen: 20.028 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

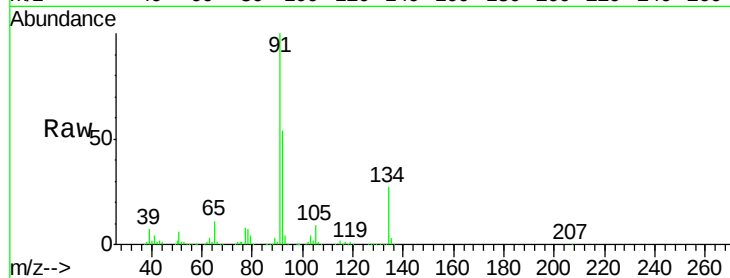
Tot Ion: 91 Resp: 366777

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.0

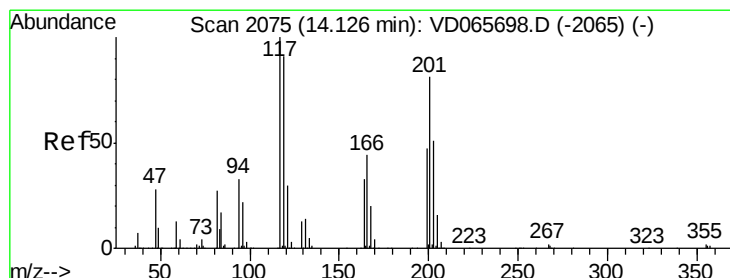
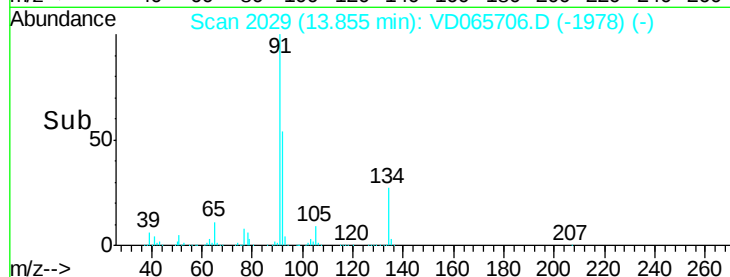
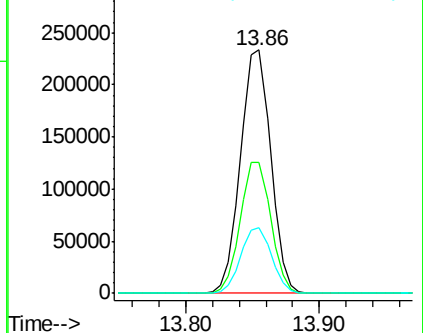
134 27.4 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 19.182 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065706.D

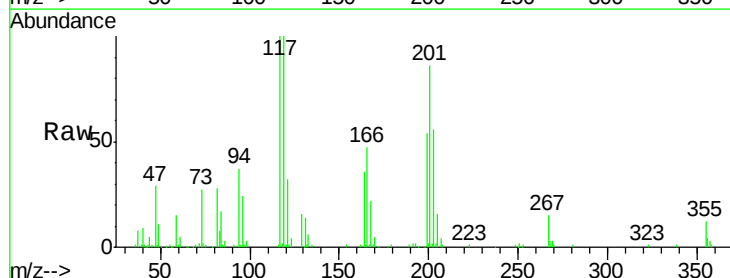
Acq: 07 May 2020 12:01

Tgt Ion: 117 Resp: 72218

Ion Ratio Lower Upper

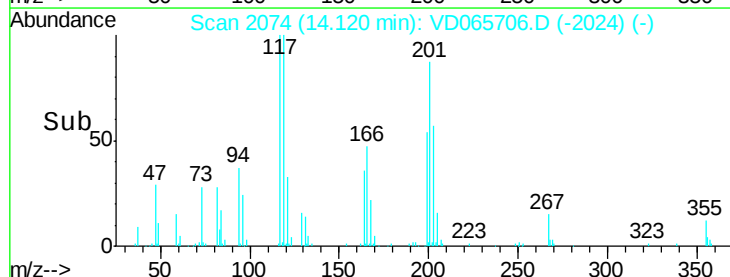
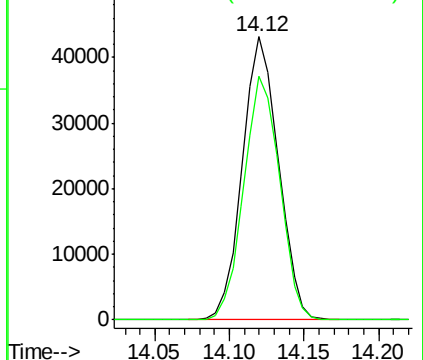
117 100

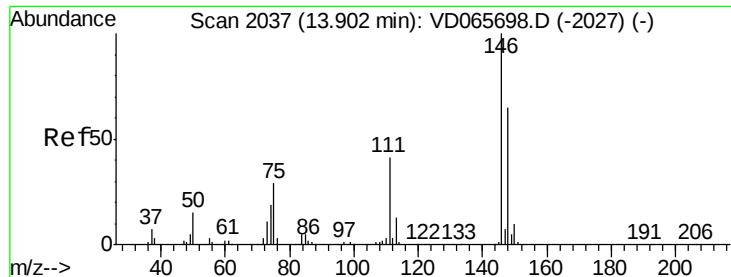
201 85.5 39.1 117.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.805 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

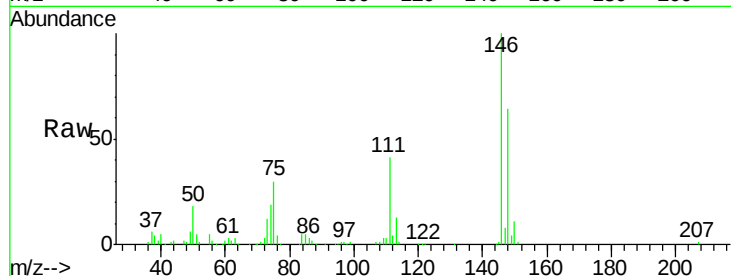
Tot Ion:146 Resp: 163723

Ion Ratio Lower Upper

146 100

111 40.3 20.3 61.0

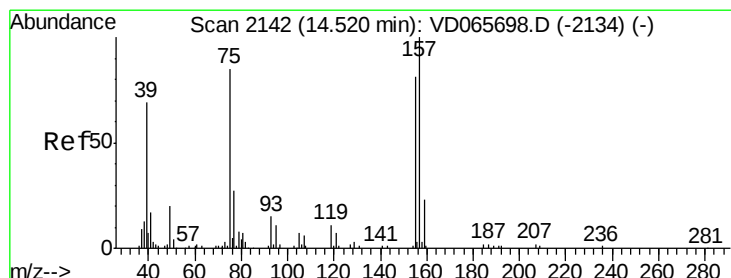
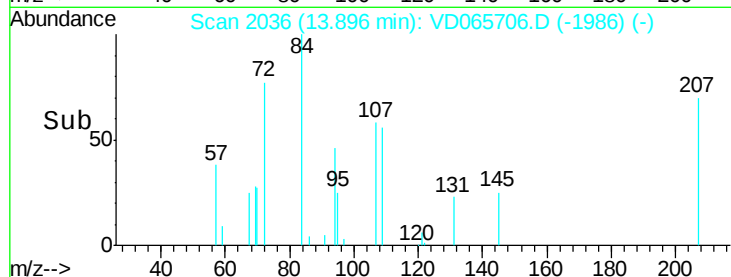
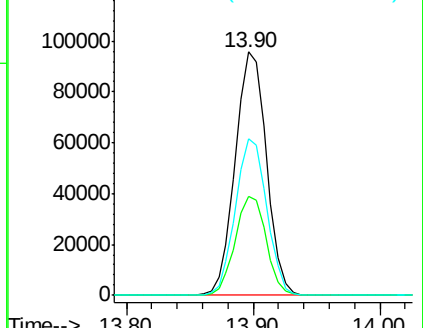
148 64.4 31.9 95.9



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: 19.734 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

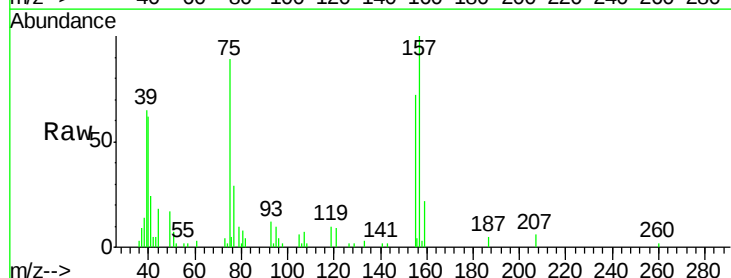
Tgt Ion: 75 Resp: 11770

Ion Ratio Lower Upper

75 100

155 95.0 43.5 130.5

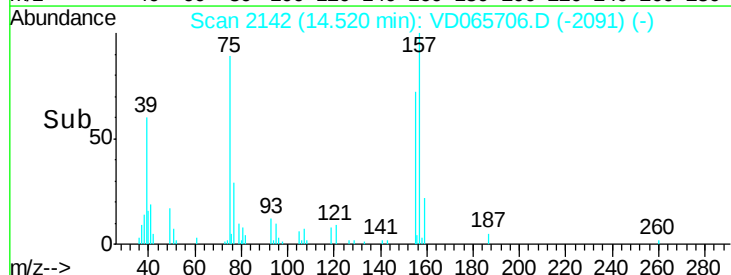
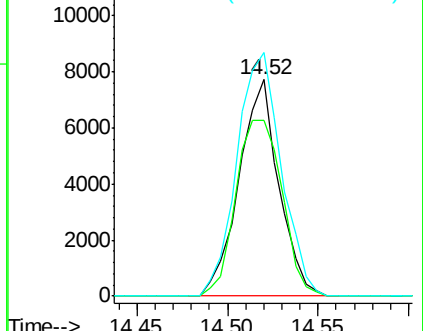
157 125.7 54.5 163.6

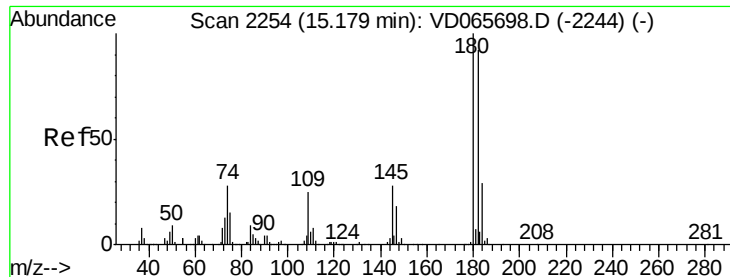


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

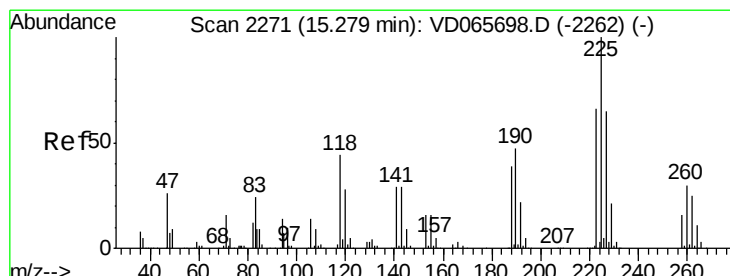
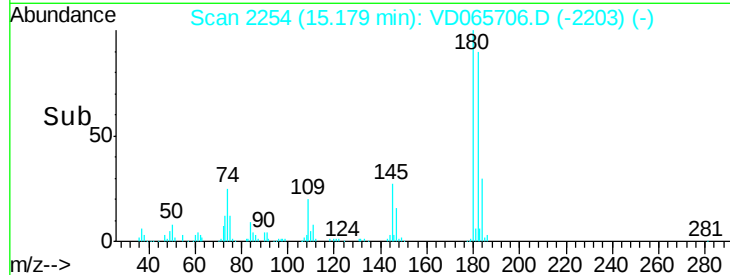
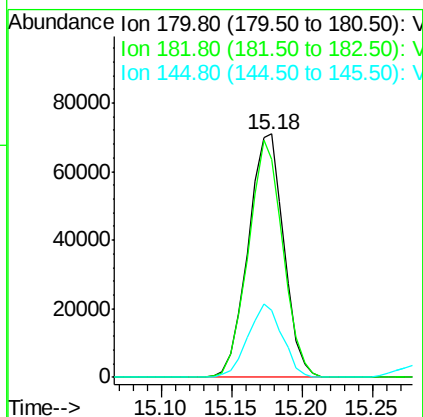
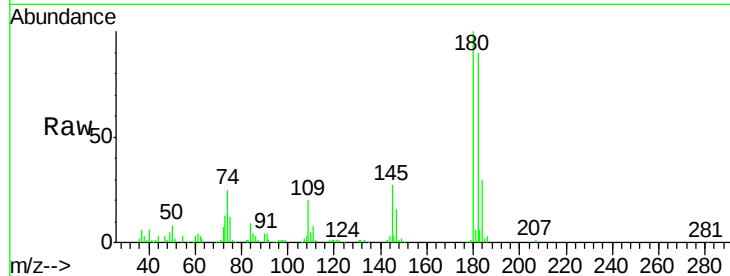




#93
 1,2,4-Trichlorobenzene
 Concen: 21.284 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

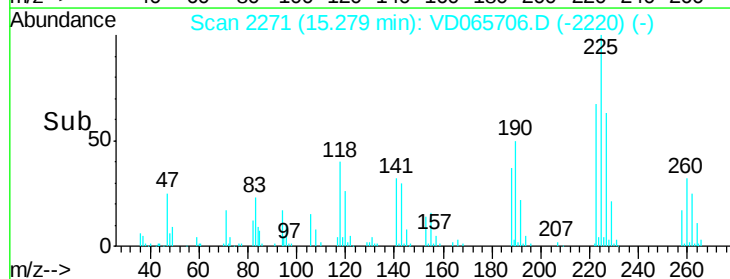
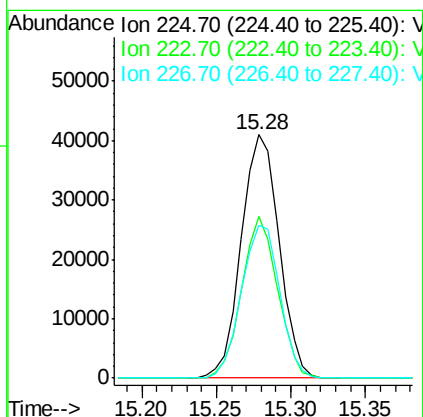
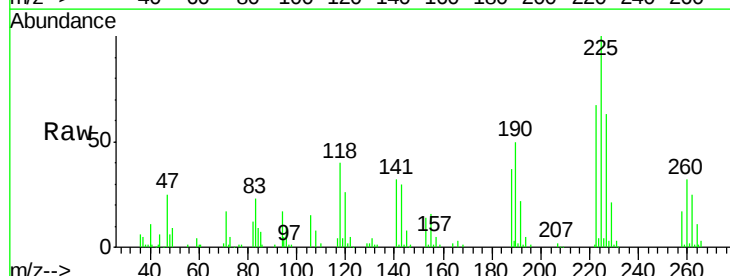
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBSD01

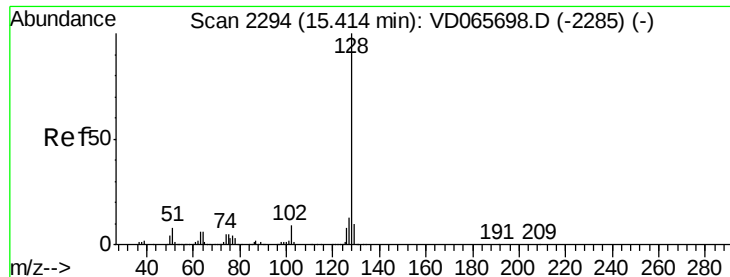
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.0
145	29.2	14.8	44.3



#94
 Hexachlorobutadiene
 Concen: 21.044 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065706.D
 Acq: 07 May 2020 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.8	95.3
227	63.4	31.6	94.8





#95

Naphthalene

Concen: 20.670 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBSD01

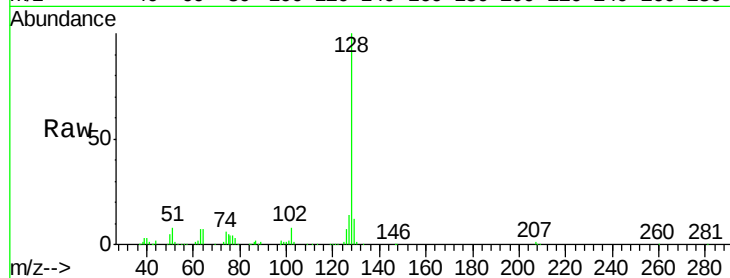
Tot Ion:128 Resp: 214537

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

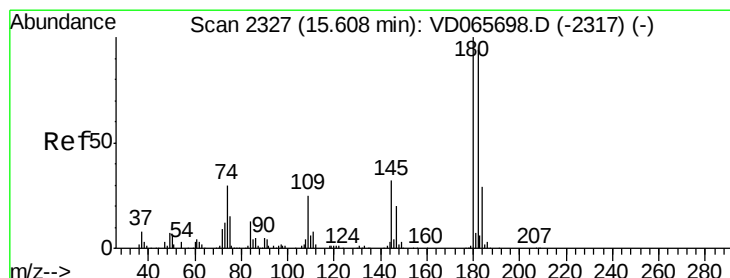
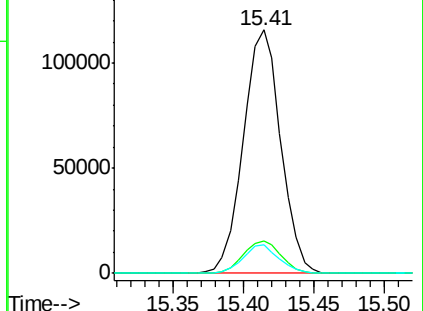
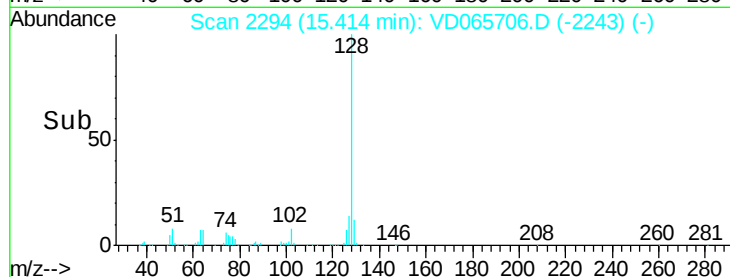
129 11.3 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.588 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065706.D

Acq: 07 May 2020 12:01

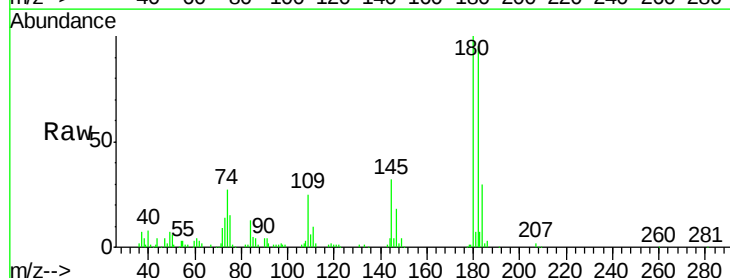
Tgt Ion:180 Resp: 108422

Ion Ratio Lower Upper

180 100

182 94.1 46.9 140.6

145 31.6 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

