

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031120\NOT REVIEWED DATA\
 Data File : VD065475.D
 Acq On : 11 Mar 2020 12:09
 Operator : VA/SY
 Sample : VD0311SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Quant Time: Mar 16 11:08:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	465050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	193303	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	7.91	113	209653	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.34	98	818766	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.64	95	257233	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.99	85	88290	22.09	ug/l	96
3) Chloromethane	2.21	50	104250	21.60	ug/l	100
4) Vinyl Chloride	2.35	62	102495	21.53	ug/l	100
5) Bromomethane	2.76	94	63465	21.02	ug/l	99
6) Chloroethane	2.92	64	62617	21.48	ug/l	99
7) Trichlorofluoromethane	3.27	101	153719	21.92	ug/l	99
8) Diethyl Ether	3.70	74	42811	20.53	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	98016	21.70	ug/l	98
10) Methyl Iodide	4.29	142	92120	19.63	ug/l	97
11) Tert butyl alcohol	5.24	59	20027	87.52	ug/l	96
12) 1,1-Dichloroethene	4.05	96	88817	20.54	ug/l	94
13) Acrolein	3.92	56	31533	79.91	ug/l	97
14) Allyl chloride	4.71	41	129715	19.52	ug/l	99
15) Acrylonitrile	5.43	53	89212	98.33	ug/l	100
16) Acetone	4.17	43	82697	102.50	ug/l	98
17) Carbon Disulfide	4.40	76	298606	20.73	ug/l	100
18) Methyl Acetate	4.72	43	40535	19.81	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	166480	20.02	ug/l	98
20) Methylene Chloride	4.96	84	111372	23.60	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	100753	20.94	ug/l	94
22) Diisopropyl ether	6.37	45	264317	21.40	ug/l	97
23) Vinyl Acetate	6.31	43	678817	98.98	ug/l	99
24) 1,1-Dichloroethane	6.26	63	168110	21.22	ug/l	99
25) 2-Butanone	7.22	43	107071	97.25	ug/l	97
26) 2,2-Dichloropropane	7.21	77	150557	21.75	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	102357	20.81	ug/l	99
28) Bromochloromethane	7.54	49	63115	19.91	ug/l	98
29) Tetrahydrofuran	7.57	42	67885	96.55	ug/l	98
30) Chloroform	7.71	83	171899	21.71	ug/l	95
31) Cyclohexane	7.98	56	162394	20.50	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	157404	21.51	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138796	21.69	ug/l	99
37) Ethyl Acetate	7.30	43	52680	21.30	ug/l #	93
38) Carbon Tetrachloride	8.10	117	144766	21.82	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159478	20.64	ug/l	96
40) Benzene	8.35	78	400851	22.41	ug/l	99
41) Methacrylonitrile	7.53	41	25371	19.40	ug/l #	44
42) 1,2-Dichloroethane	8.43	62	102915	22.03	ug/l	99
43) Isopropyl Acetate	8.46	43	92012	20.15	ug/l	99
44) Trichloroethene	9.11	130	109206	21.62	ug/l	93
45) 1,2-Dichloropropane	9.38	63	94777	21.87	ug/l	97
46) Dibromomethane	9.48	93	47686	21.21	ug/l	96
47) Bromodichloromethane	9.67	83	128410	21.96	ug/l	96
48) Methyl methacrylate	9.46	41	42026	19.57	ug/l	95
49) 1,4-Dioxane	9.47	88	10891	423.59	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	239373	104.17	ug/l	98
52) Toluene	10.40	92	253521	22.50	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	115186	21.08	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	141071	21.33	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67200	21.11	ug/l	93
56) Ethyl methacrylate	10.66	69	70411	19.62	ug/l	96
57) 1,3-Dichloropropane	10.95	76	117502	21.81	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	117466	105.99	ug/l	99
59) 2-Hexanone	10.99	43	160722	101.04	ug/l	100
60) Dibromochloromethane	11.14	129	91474	22.42	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65247	21.49	ug/l	99
64) Tetrachloroethene	10.87	164	97045	22.05	ug/l	94
65) Chlorobenzene	11.67	112	261217	21.49	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	98161	22.18	ug/l	96
67) Ethyl Benzene	11.75	91	449934	21.42	ug/l	100
68) m/p-Xylenes	11.86	106	356149	43.98	ug/l	99
69) o-Xylene	12.18	106	150628	21.15	ug/l	97
70) Styrene	12.20	104	274599	21.90	ug/l	99
71) Bromoform	12.37	173	53658	21.58	ug/l #	100
73) Isopropylbenzene	12.48	105	425749	20.83	ug/l	100
74) N-amyl acetate	12.30	43	79740	19.06	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	72606	20.21	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	94084	38.38	ug/l #	100
77) Bromobenzene	12.77	156	107736	21.22	ug/l	99
78) n-propylbenzene	12.83	91	518826	21.40	ug/l	100
79) 2-Chlorotoluene	12.91	91	286038	20.93	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	358124	21.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22498	19.37	ug/l	97
82) 4-Chlorotoluene	13.01	91	312199	21.74	ug/l	99
83) tert-Butylbenzene	13.23	119	292049	20.55	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	358044	21.62	ug/l	100
85) sec-Butylbenzene	13.41	105	432405	21.31	ug/l	99
86) p-Isopropyltoluene	13.53	119	390975	21.12	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	210790	21.60	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	207517	21.37	ug/l	99
89) n-Butylbenzene	13.86	91	357756	20.90	ug/l	99
90) Hexachloroethane	14.12	117	80576	21.14	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	178656	21.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11388	20.82	ug/l	92

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

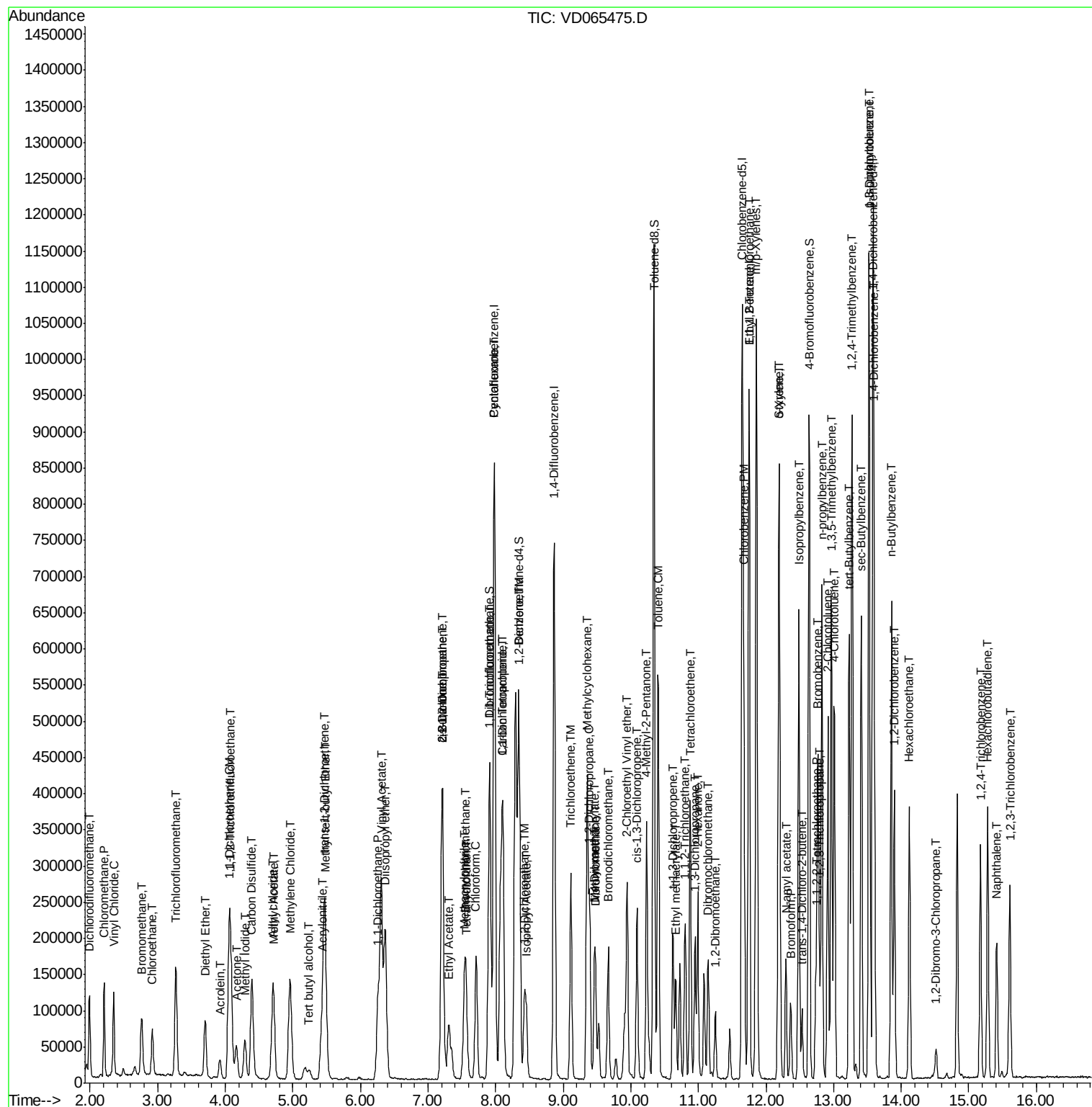
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116014	20.61	ug/l	97
94) Hexachlorobutadiene	15.28	225	81064	21.91	ug/l	99
95) Naphthalene	15.41	128	171437	19.99	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	101683	20.90	ug/l	99

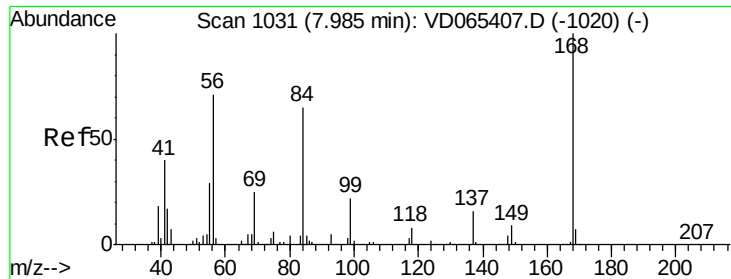
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 05 01:22:07 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

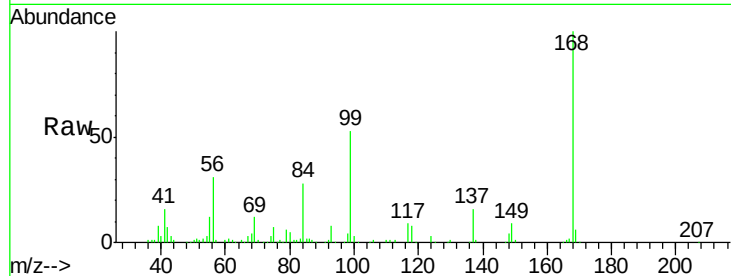
VD0311SBS01

Tgt Ion:168 Resp: 465050

Ion Ratio Lower Upper

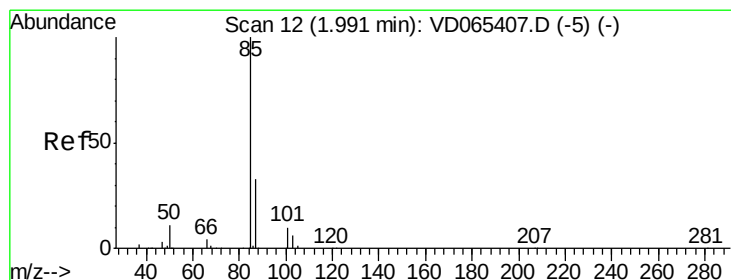
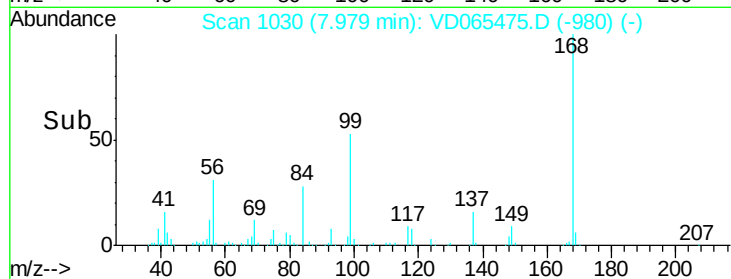
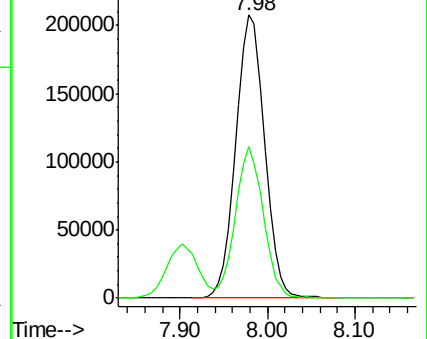
168 100

99 53.2 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.09 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065475.D

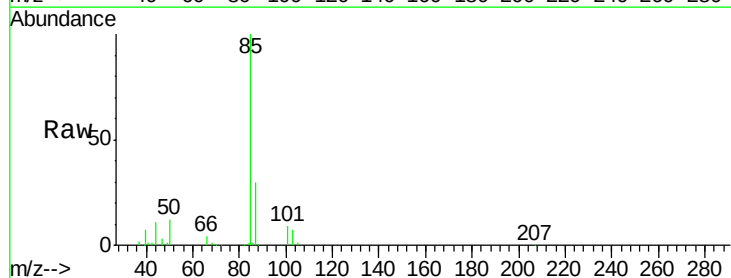
Acq: 11 Mar 2020 12:09

Tgt Ion: 85 Resp: 88290

Ion Ratio Lower Upper

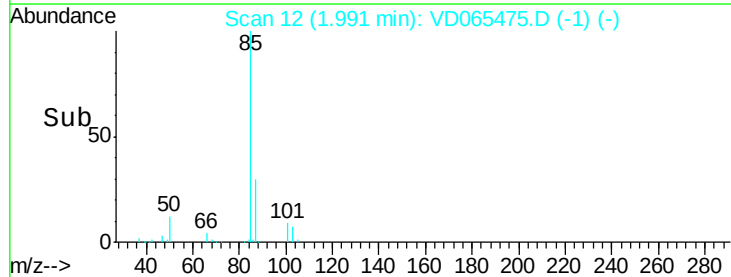
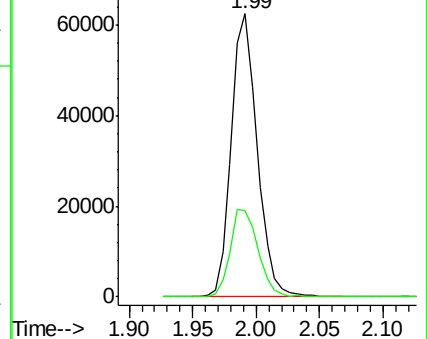
85 100

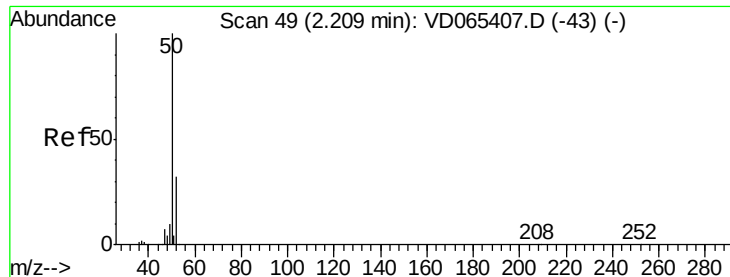
87 30.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.60 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

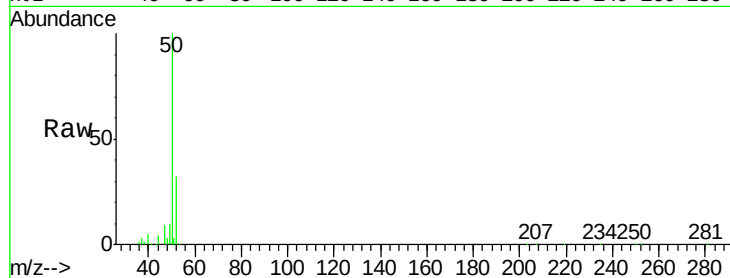
VD0311SBS01

Tgt Ion: 50 Resp: 104250

Ion Ratio Lower Upper

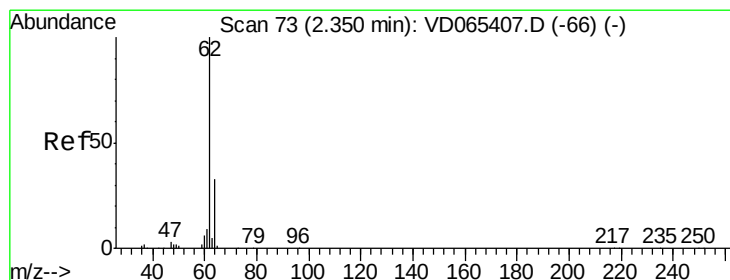
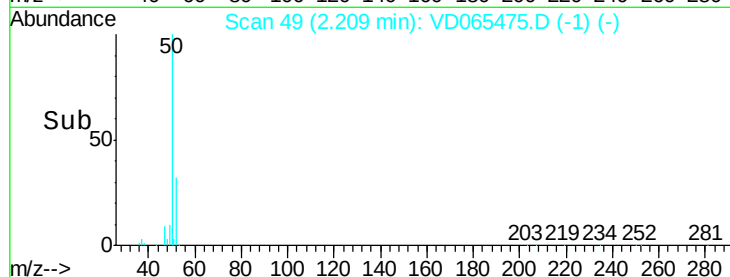
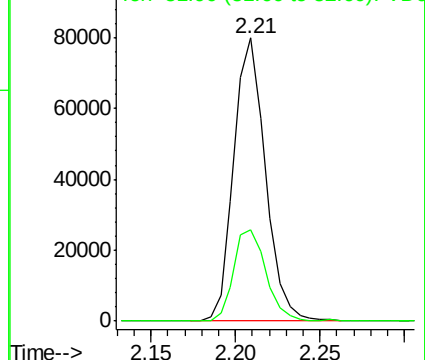
50 100

52 32.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.53 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065475.D

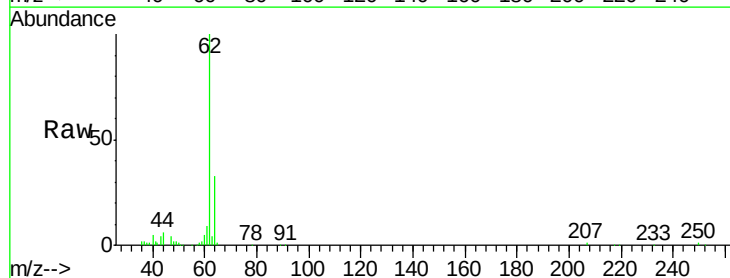
Acq: 11 Mar 2020 12:09

Tgt Ion: 62 Resp: 102495

Ion Ratio Lower Upper

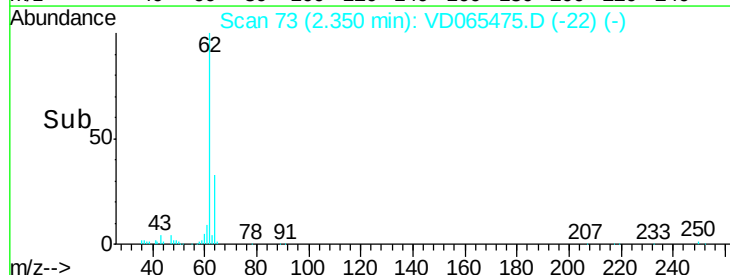
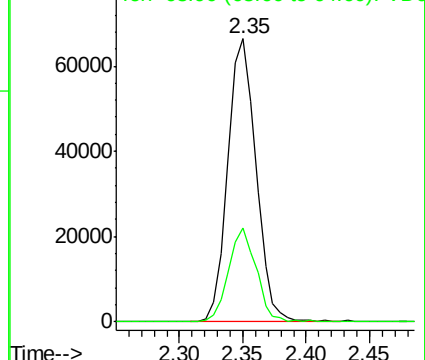
62 100

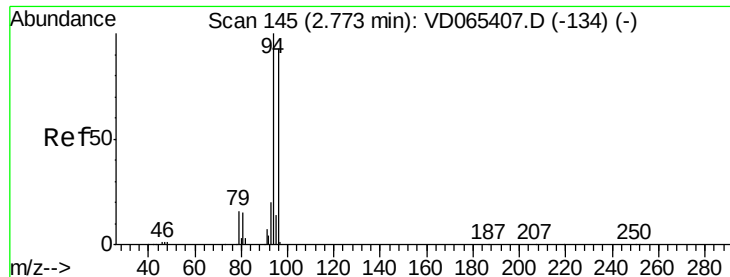
64 33.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.02 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

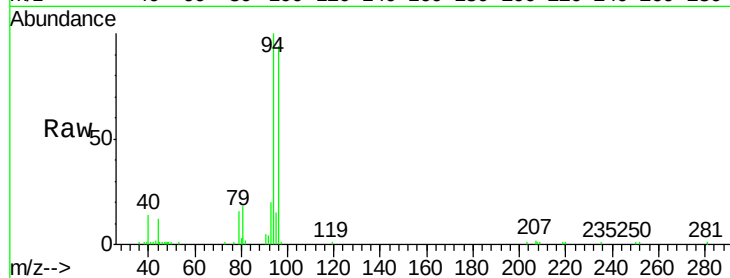
VD0311SBS01

Tgt Ion: 94 Resp: 63465

Ion Ratio Lower Upper

94 100

96 93.7 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

25000

20000

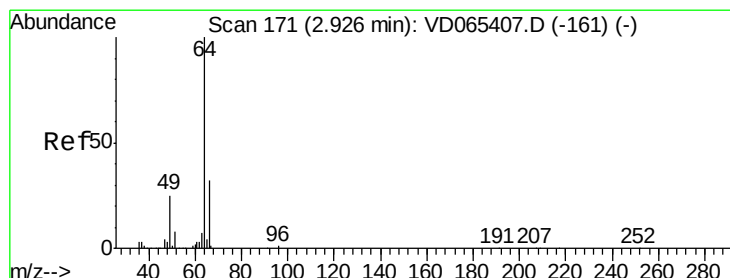
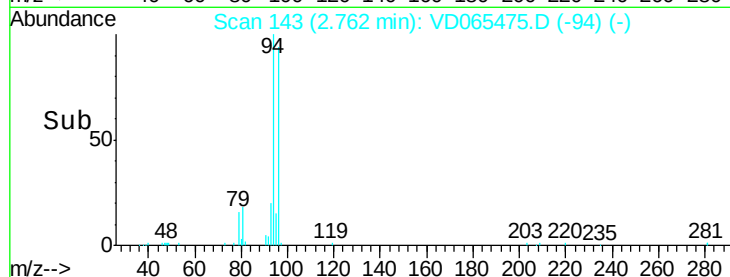
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.48 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065475.D

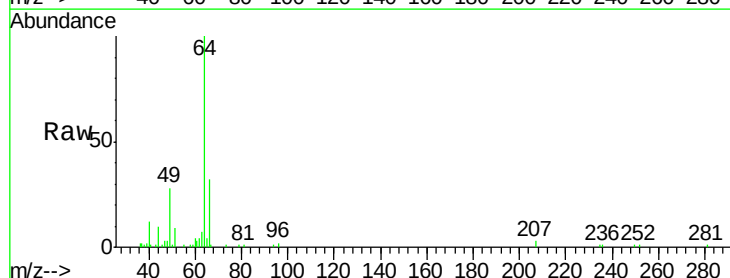
Acq: 11 Mar 2020 12:09

Tgt Ion: 64 Resp: 62617

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

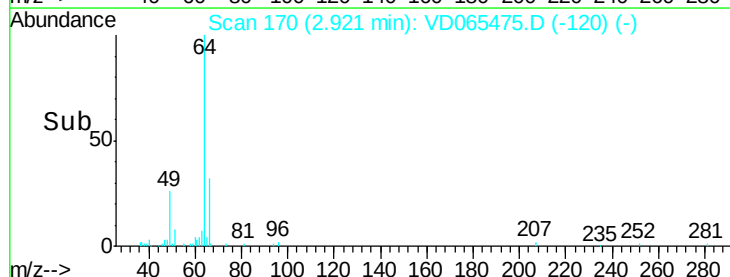
30000

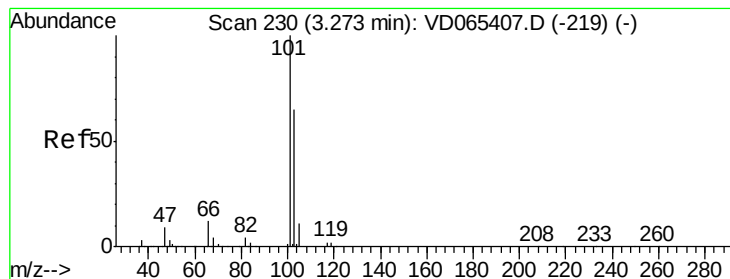
20000

10000

0

Time-->





#7

Trichlorofluoromethane

Concen: 21.92 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

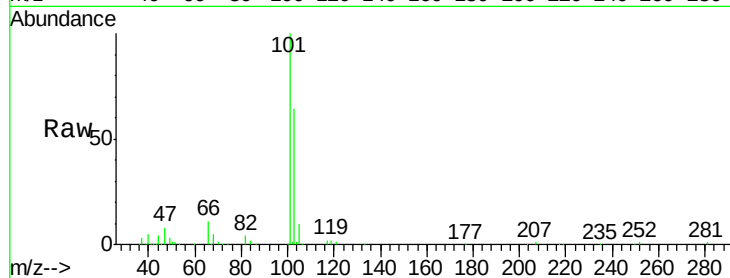
VD0311SBS01

Tgt Ion: 101 Resp: 153719

Ion Ratio Lower Upper

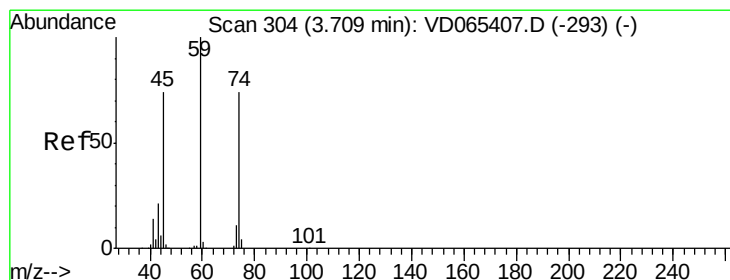
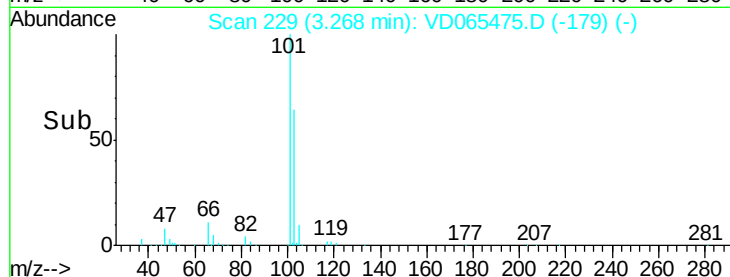
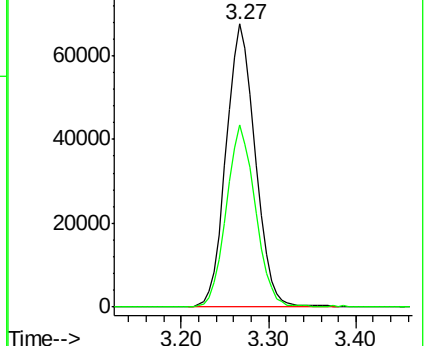
101 100

103 64.4 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.53 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065475.D

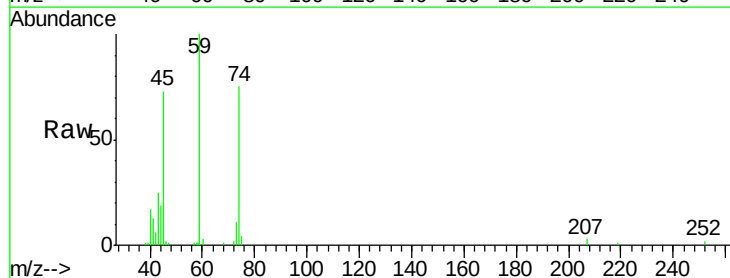
Acq: 11 Mar 2020 12:09

Tgt Ion: 74 Resp: 42811

Ion Ratio Lower Upper

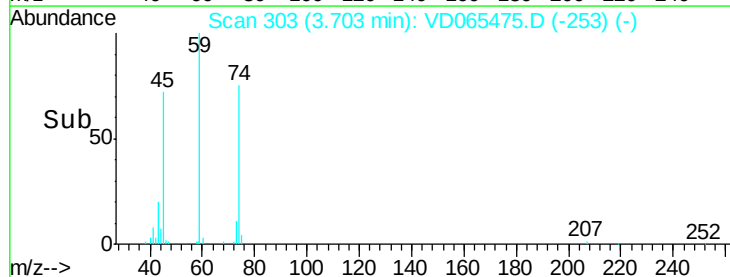
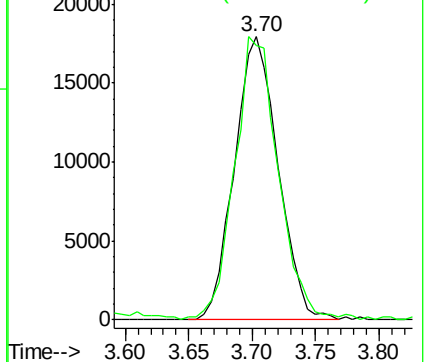
74 100

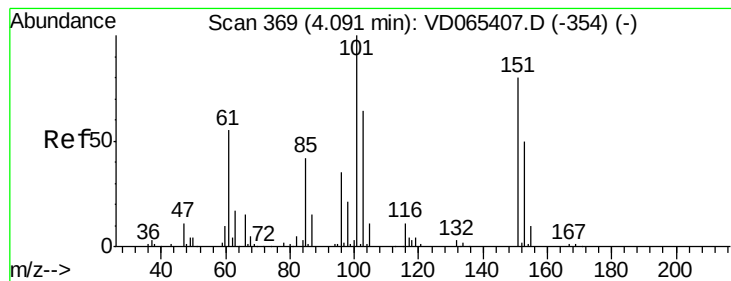
45 100.6 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.70 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065475.D

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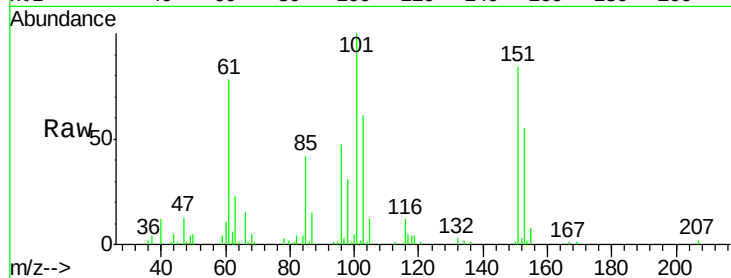
Tgt Ion:101 Resp: 98016

Ion Ratio Lower Upper

101 100

85 41.4 34.2 51.2

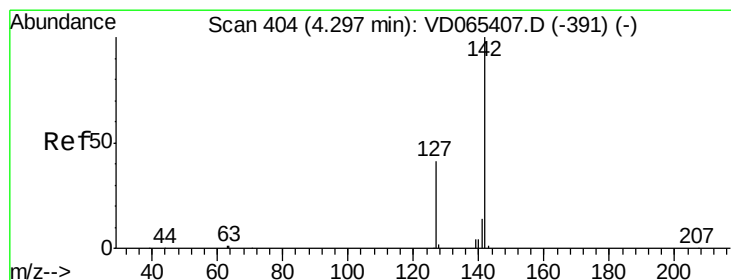
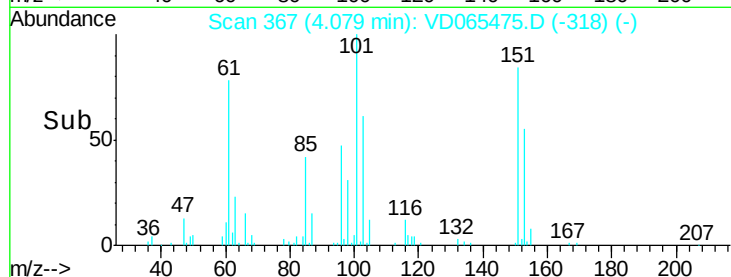
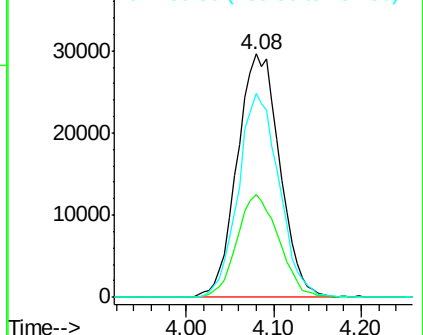
151 80.3 65.1 97.7



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: 19.63 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

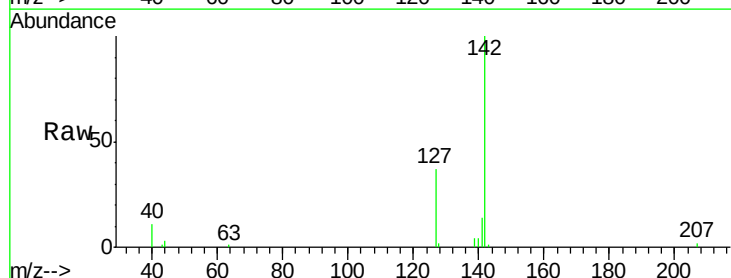
Tgt Ion:142 Resp: 92120

Ion Ratio Lower Upper

142 100

127 41.0 35.0 52.6

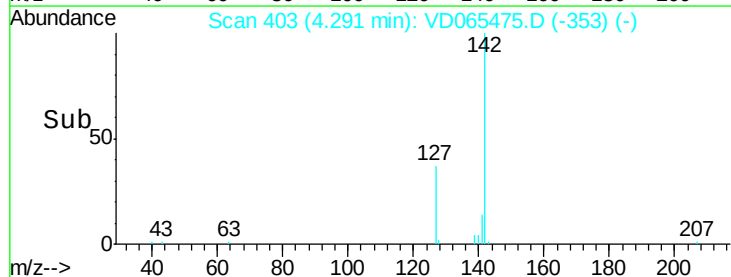
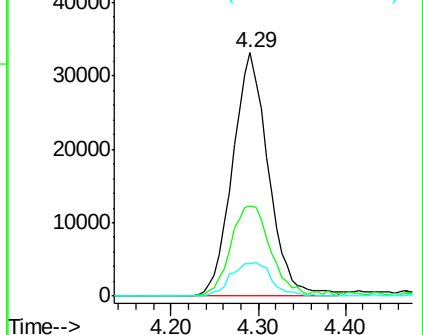
141 15.4 12.4 18.6

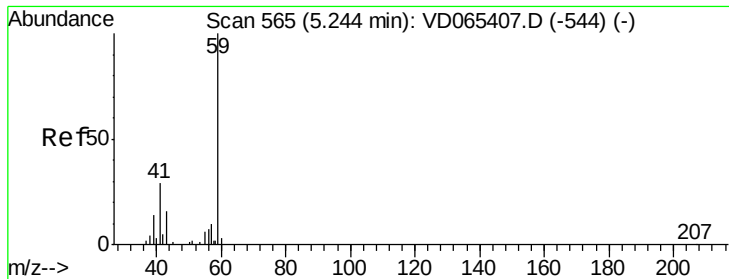


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

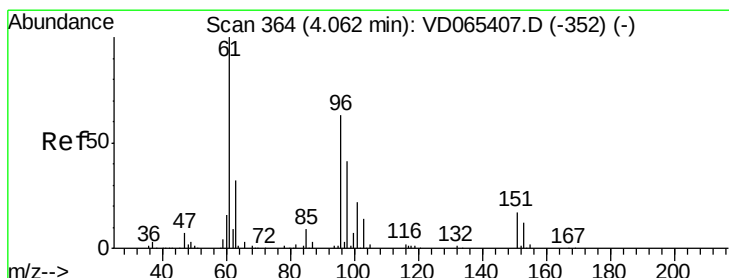
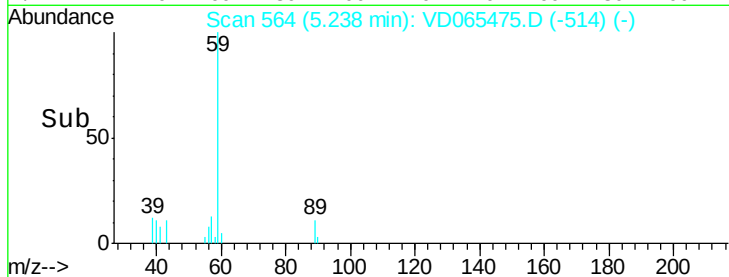
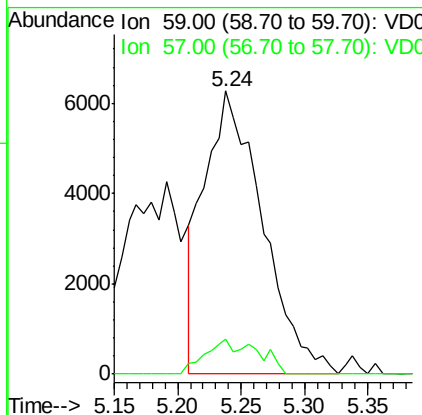
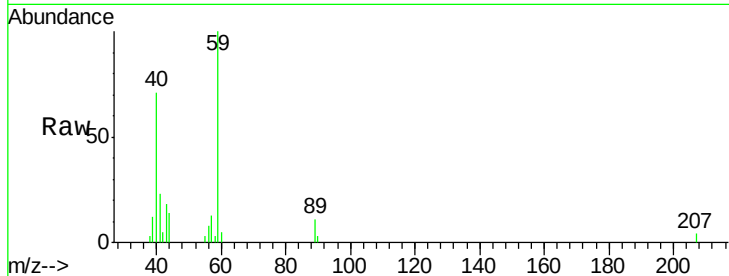




#11
Tert butyl alcohol
Concen: 87.52 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

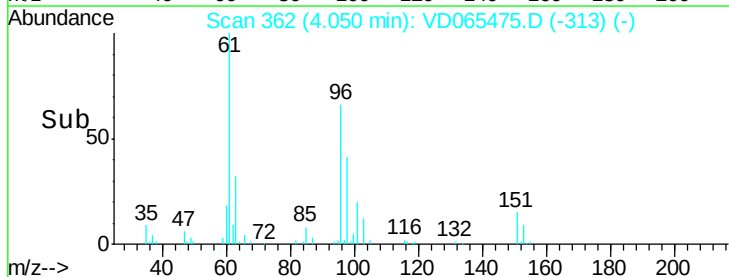
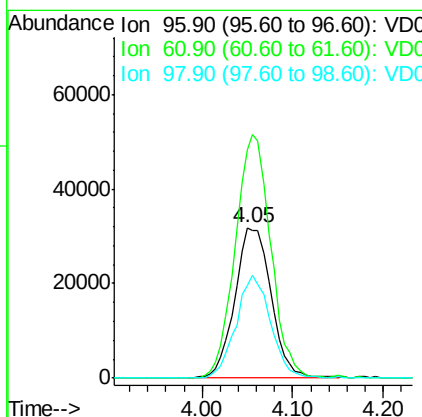
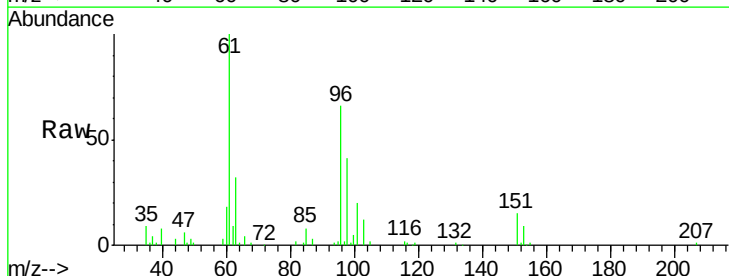
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

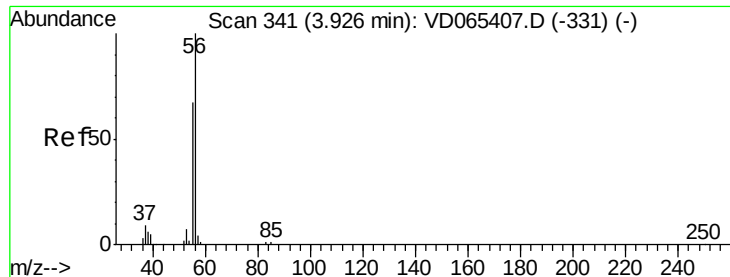
Tgt Ion: 59 Resp: 20027
Ion Ratio Lower Upper
59 100
57 7.0 6.9 10.3



#12
1,1-Dichloroethene
Concen: 20.54 ug/l
RT: 4.05 min Scan# 362
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 96 Resp: 88817
Ion Ratio Lower Upper
96 100
61 151.3 128.0 192.0
98 61.8 51.9 77.9





#13

Acrolein

Concen: 79.91 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

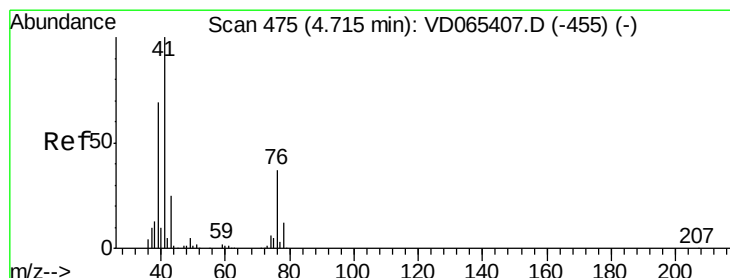
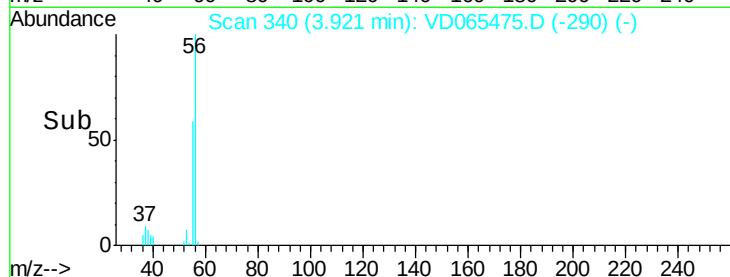
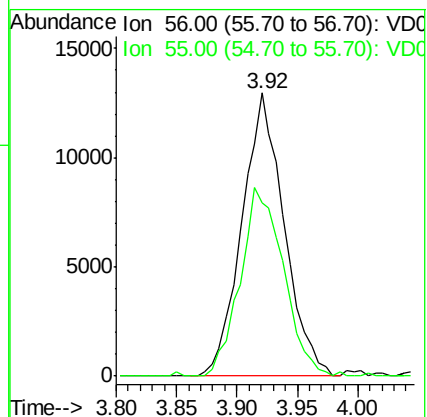
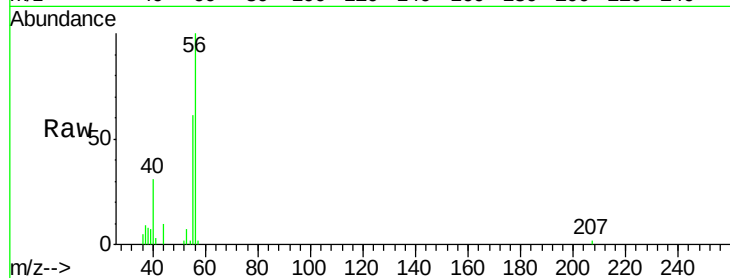
VD0311SBS01

Tgt Ion: 56 Resp: 31533

Ion Ratio Lower Upper

56 100

55 68.4 56.6 85.0



#14

Allyl chloride

Concen: 19.52 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

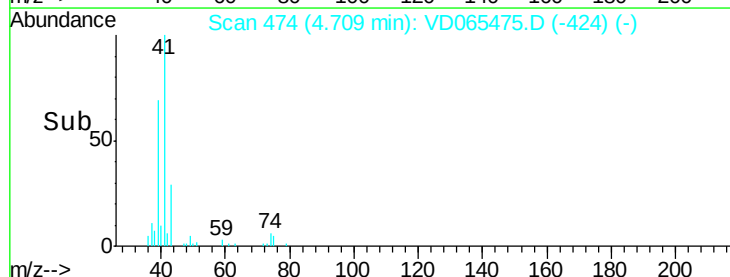
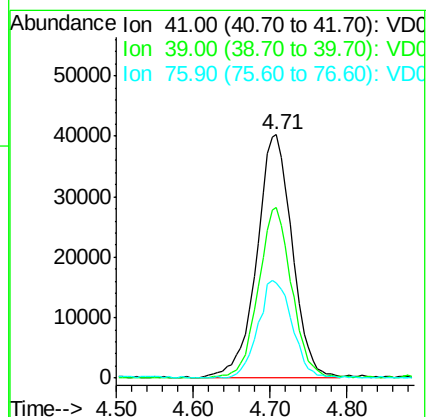
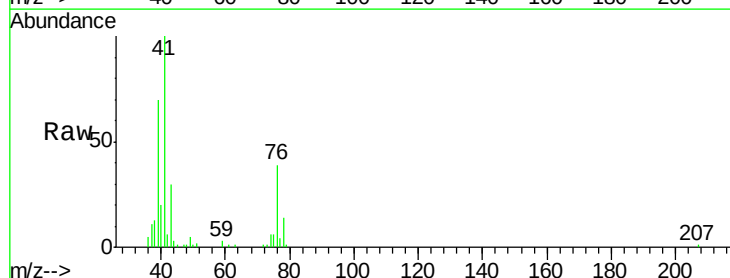
Tgt Ion: 41 Resp: 129715

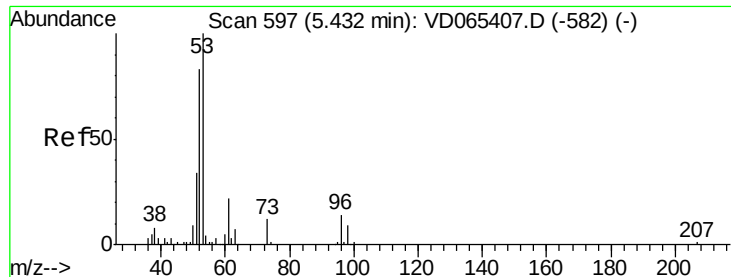
Ion Ratio Lower Upper

41 100

39 65.8 52.6 79.0

76 38.3 29.2 43.8





#15

Acrylonitrile

Concen: 98.33 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

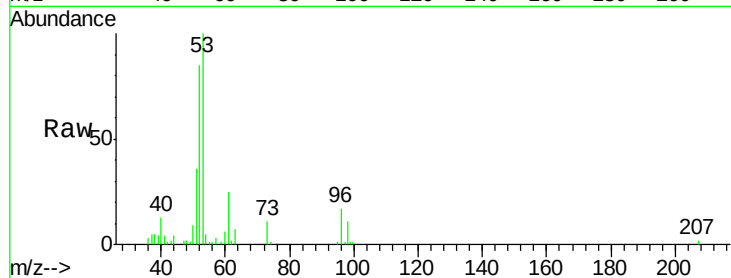
Tgt Ion: 53 Resp: 89212

Ion Ratio Lower Upper

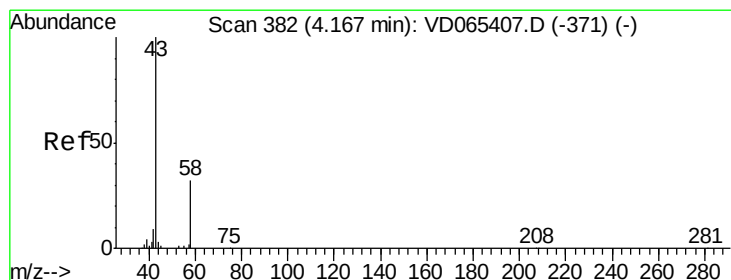
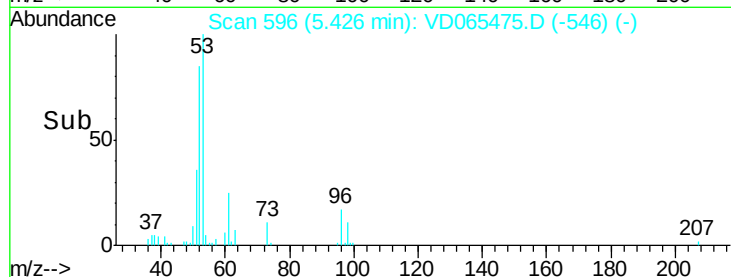
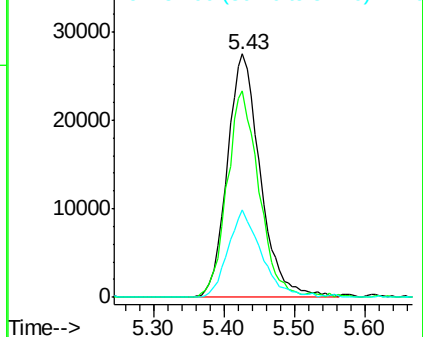
53 100

52 81.6 65.1 97.7

51 36.2 28.5 42.7



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: 102.50 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065475.D

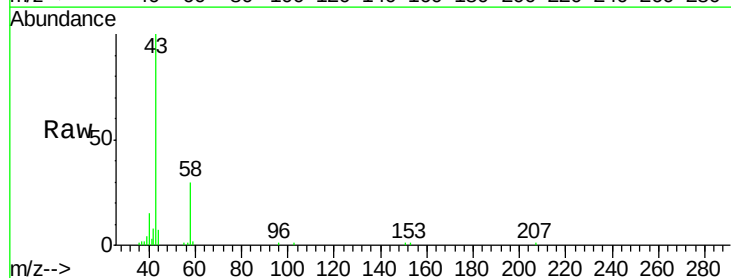
Acq: 11 Mar 2020 12:09

Tgt Ion: 43 Resp: 82697

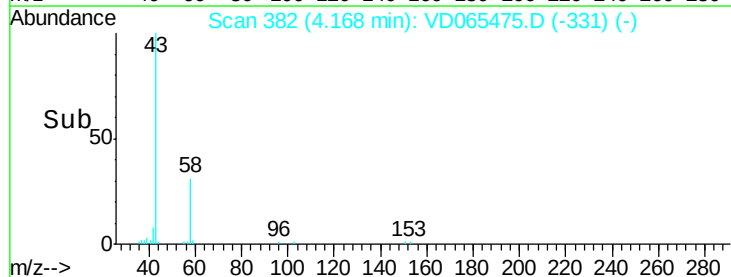
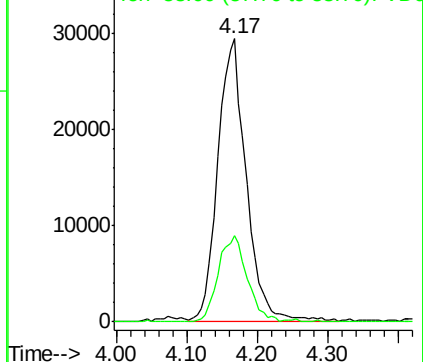
Ion Ratio Lower Upper

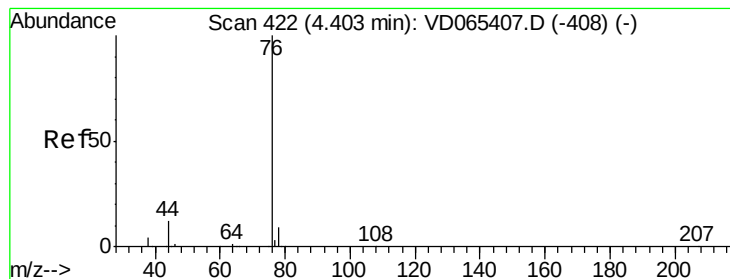
43 100

58 30.3 25.1 37.7



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





#17

Carbon Disulfide

Concen: 20.73 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

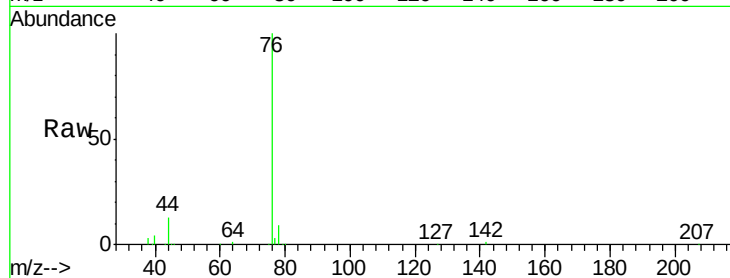
VD0311SBS01

Tgt Ion: 76 Resp: 298606

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

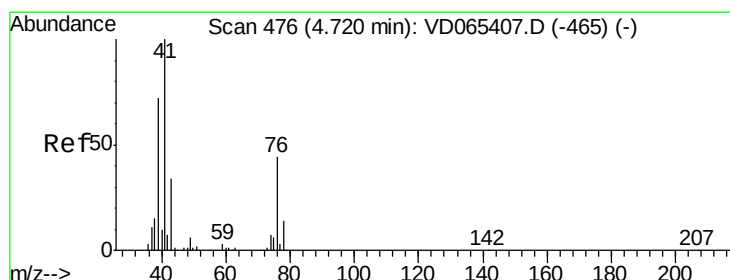
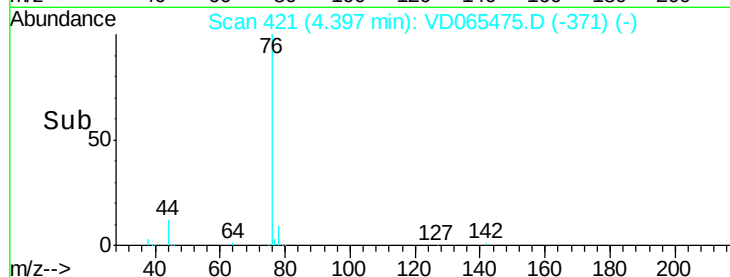
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.81 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065475.D

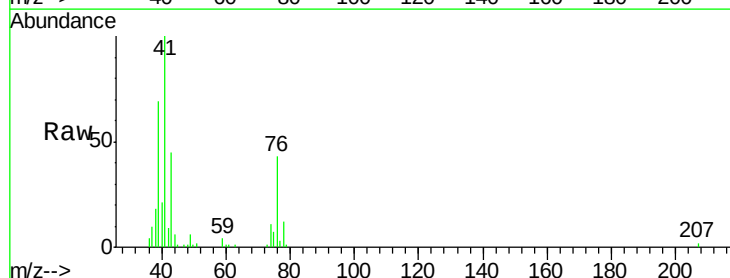
Acq: 11 Mar 2020 12:09

Tgt Ion: 43 Resp: 40535

Ion Ratio Lower Upper

43 100

74 25.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

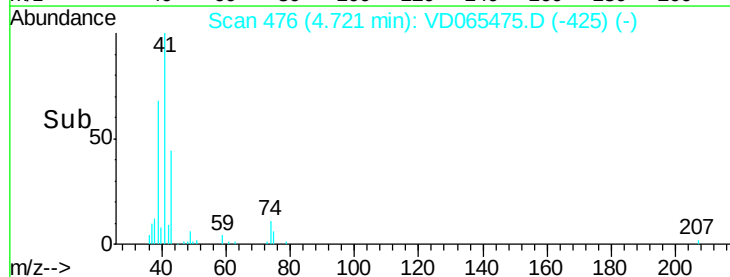
15000

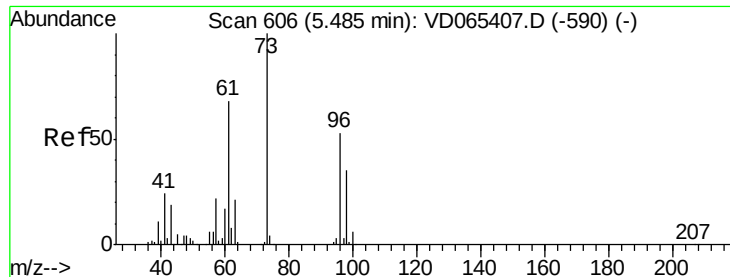
10000

5000

0

Time-->

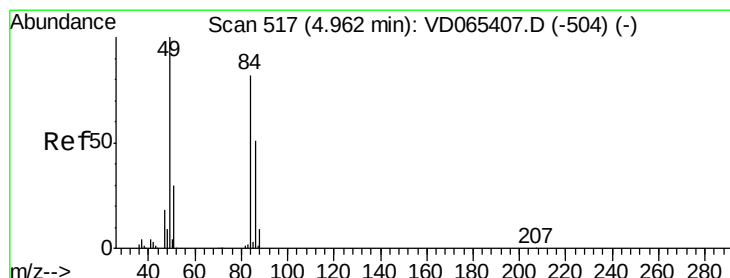
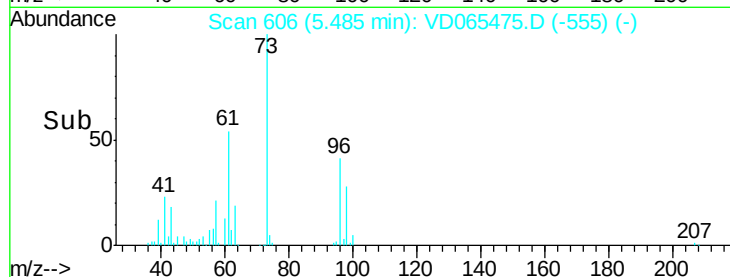
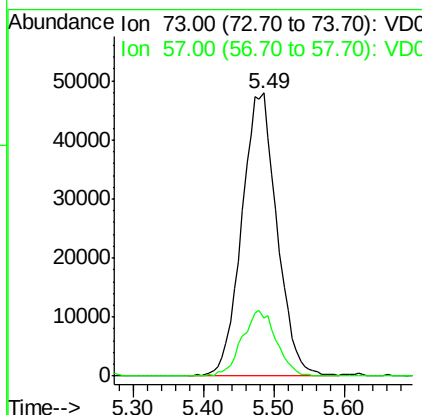
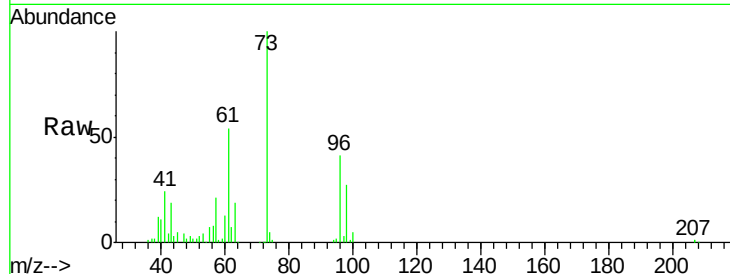




#19
Methyl tert-butyl Ether
Concen: 20.02 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

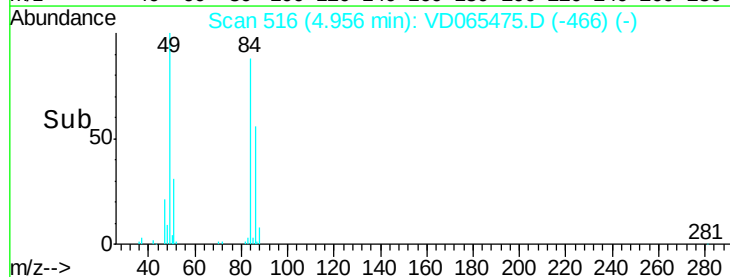
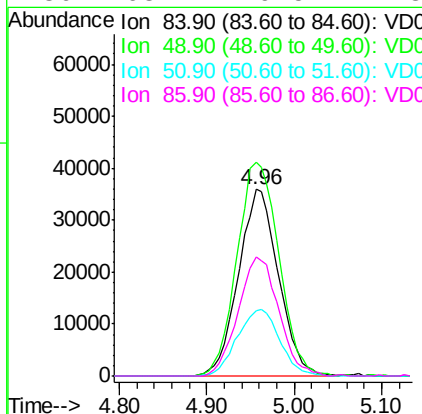
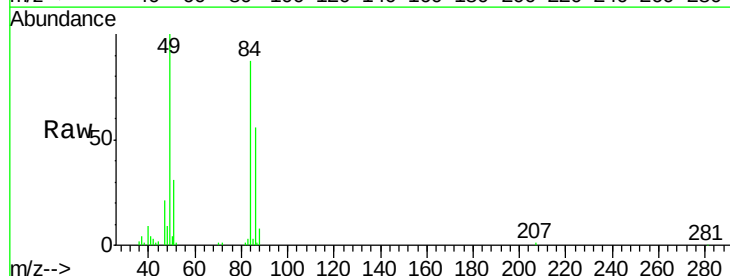
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

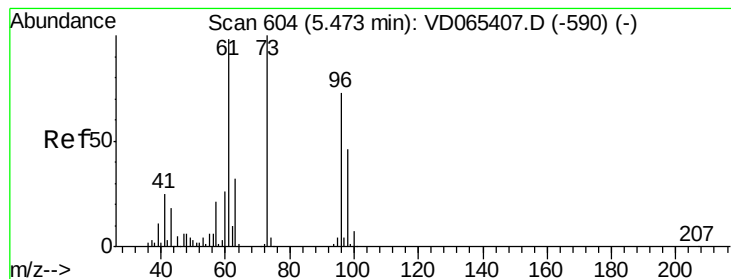
Tgt Ion: 73 Resp: 166480
Ion Ratio Lower Upper
73 100
57 20.7 17.3 25.9



#20
Methylene Chloride
Concen: 23.60 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 84 Resp: 111372
Ion Ratio Lower Upper
84 100
49 114.6 97.7 146.5
51 35.3 28.8 43.2
86 63.7 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.94 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

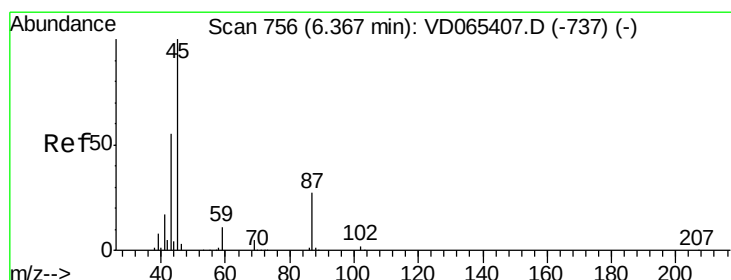
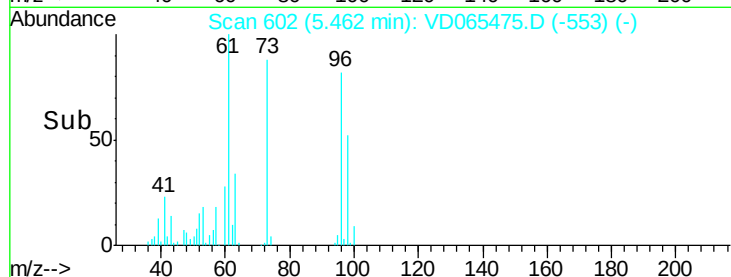
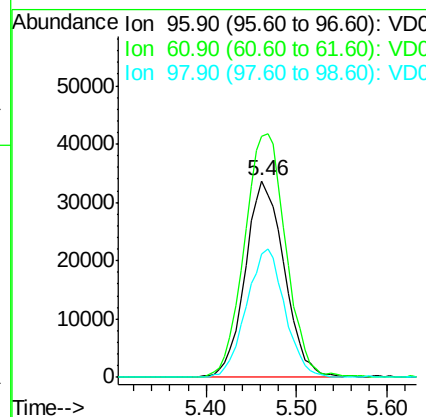
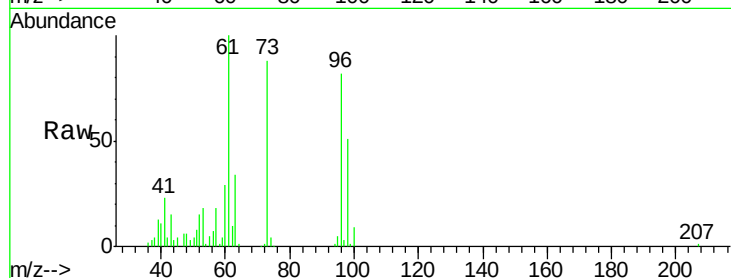
Tgt Ion: 96 Resp: 100753

Ion Ratio Lower Upper

96 100

61 122.3 106.3 159.5

98 62.8 50.2 75.4



#22

Diisopropyl ether

Concen: 21.40 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion: 45 Resp: 264317

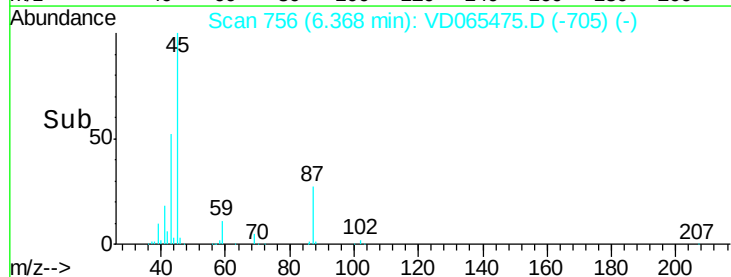
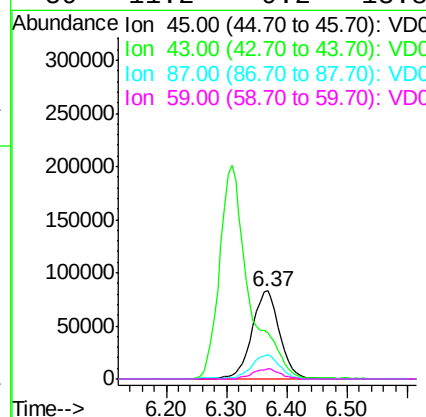
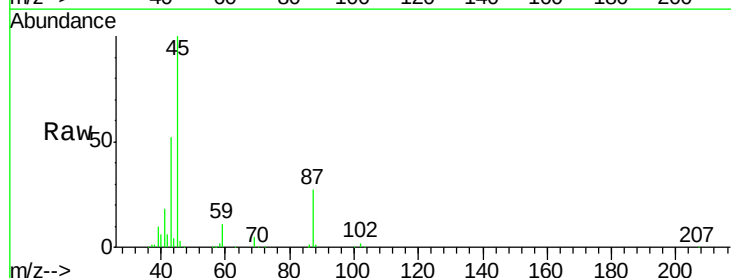
Ion Ratio Lower Upper

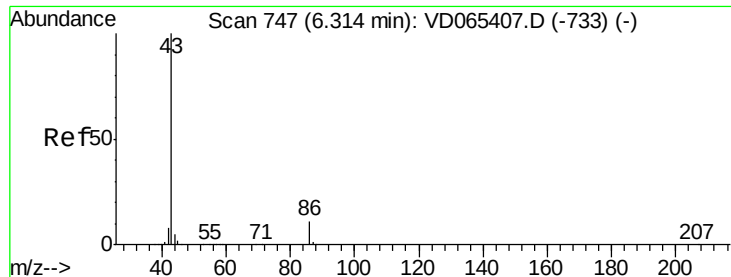
45 100

43 51.5 44.4 66.6

87 27.4 21.9 32.9

59 11.2 9.2 13.8





#23

Vinyl Acetate

Concen: 98.98 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

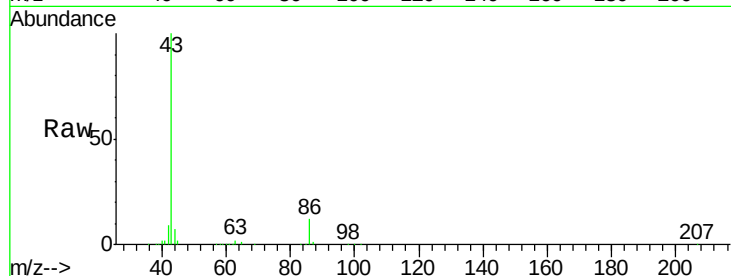
VD0311SBS01

Tgt Ion: 43 Resp: 678817

Ion Ratio Lower Upper

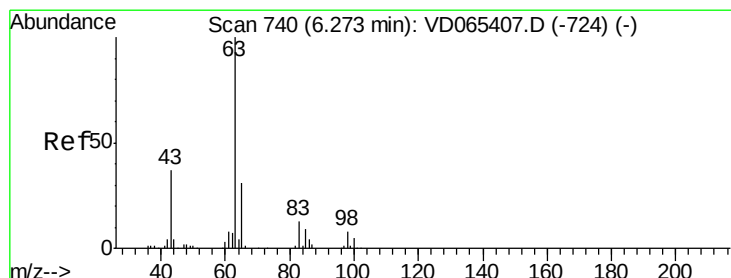
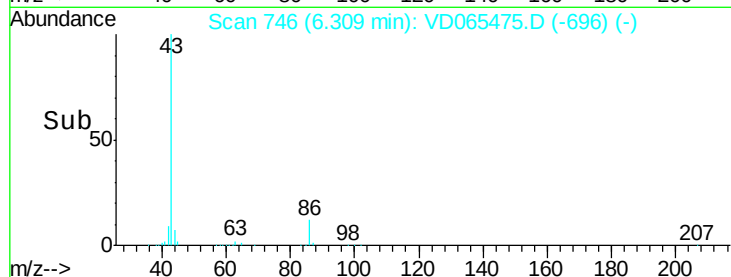
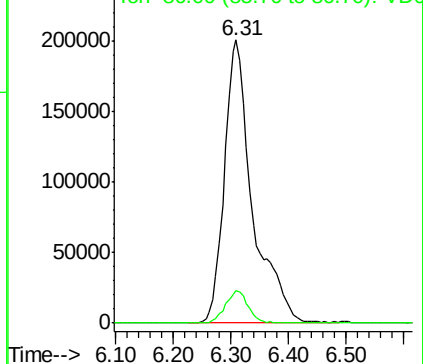
43 100

86 11.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.22 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

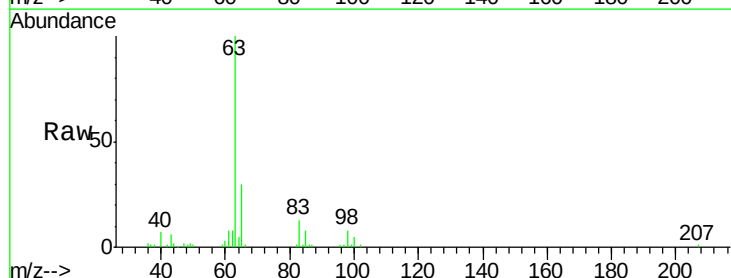
Tgt Ion: 63 Resp: 168110

Ion Ratio Lower Upper

63 100

98 8.0 4.2 12.6

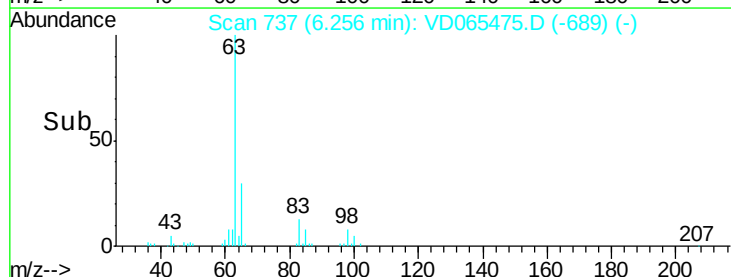
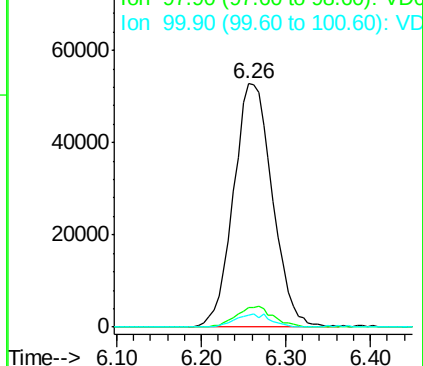
100 4.7 2.4 7.2

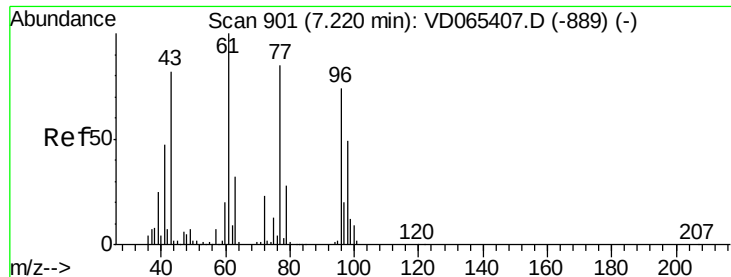


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.25 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

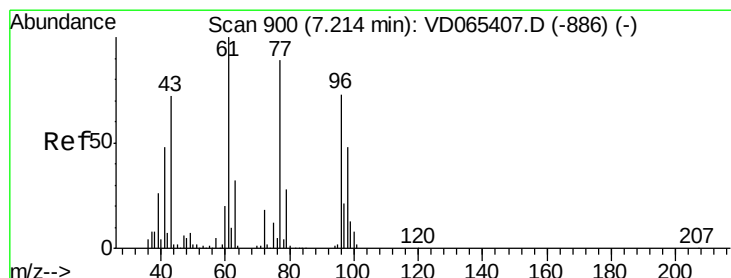
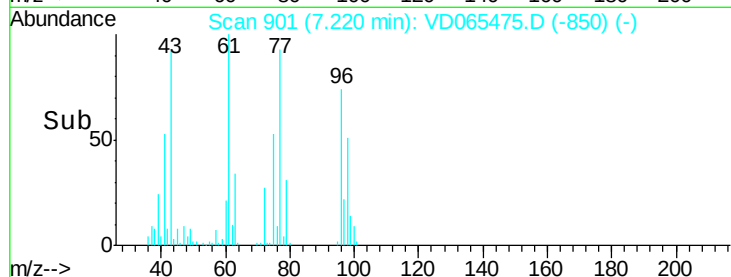
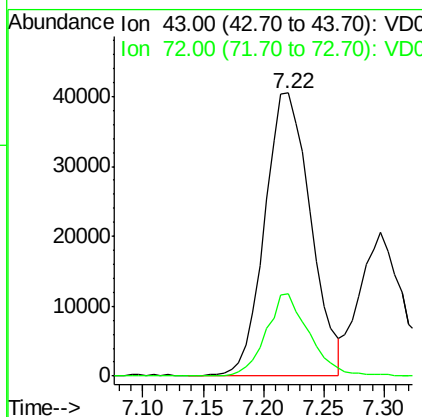
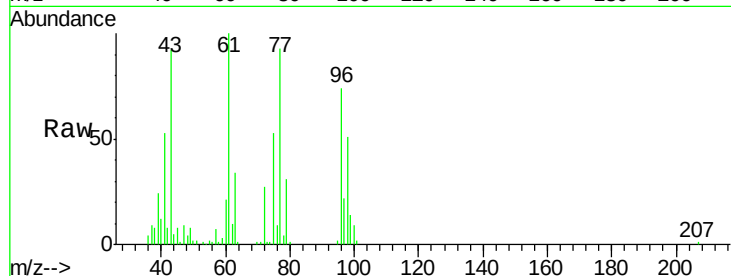
VD0311SBS01

Tgt Ion: 43 Resp: 107071

Ion Ratio Lower Upper

43 100

72 29.3 22.3 33.5



#26

2,2-Dichloropropane

Concen: 21.75 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065475.D

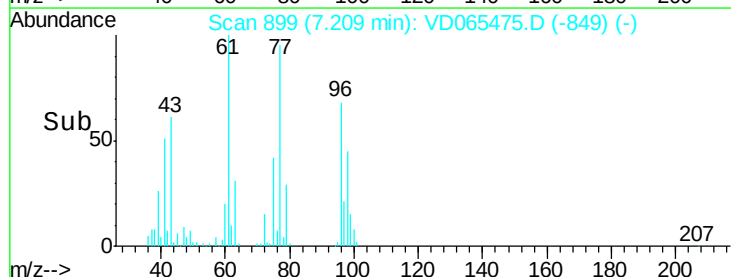
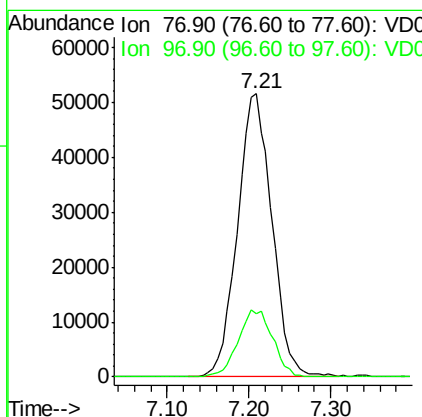
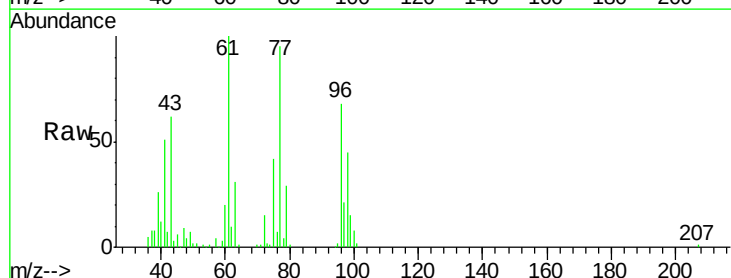
Acq: 11 Mar 2020 12:09

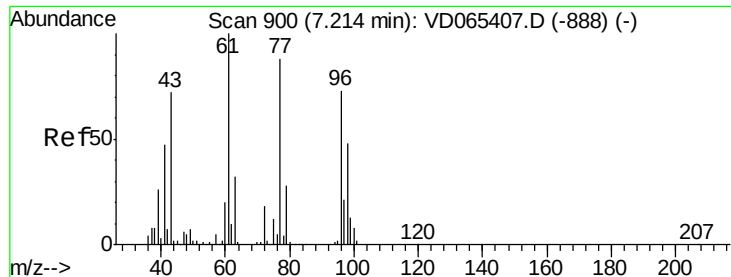
Tgt Ion: 77 Resp: 150557

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 20.81 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

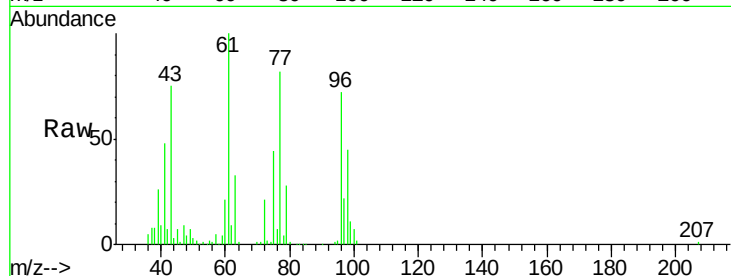
Tgt Ion: 96 Resp: 102357

Ion Ratio Lower Upper

96 100

61 140.8 0.0 280.4

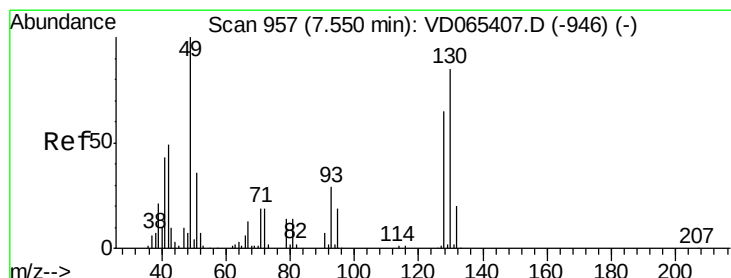
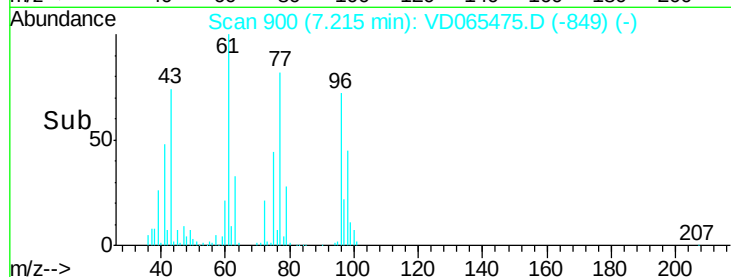
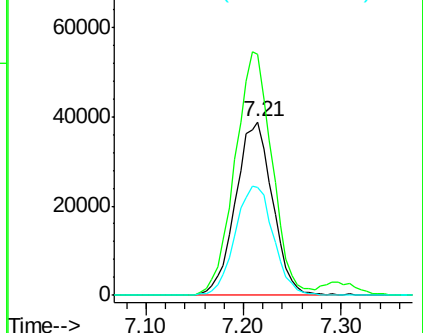
98 65.2 0.0 132.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 19.91 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

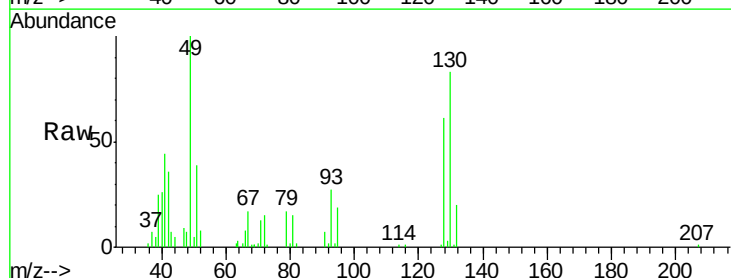
Tgt Ion: 49 Resp: 63115

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

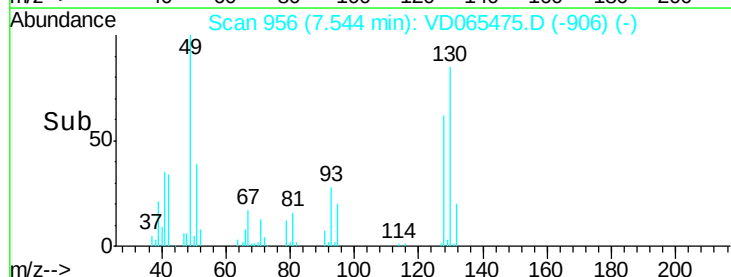
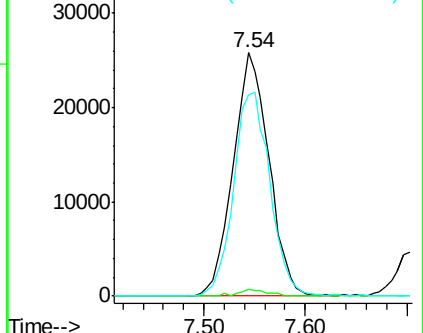
130 85.5 66.6 100.0

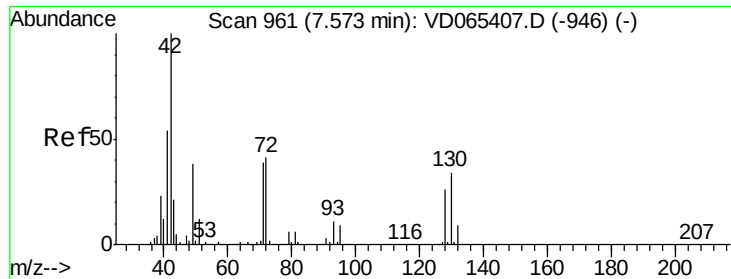


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

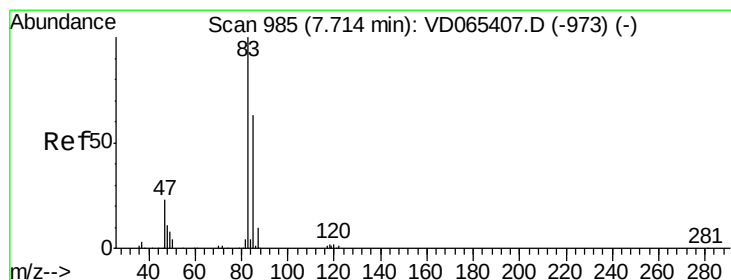
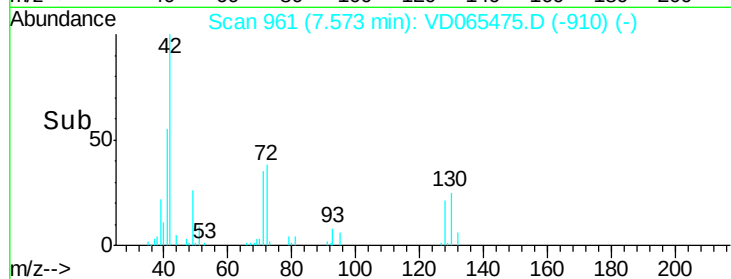
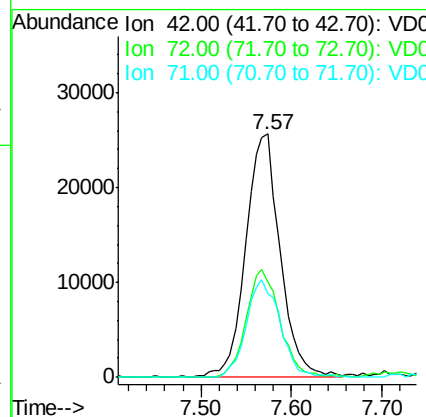
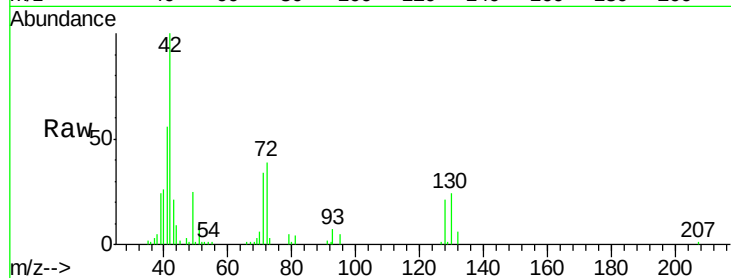




#29
Tetrahydrofuran
Concen: 96.55 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

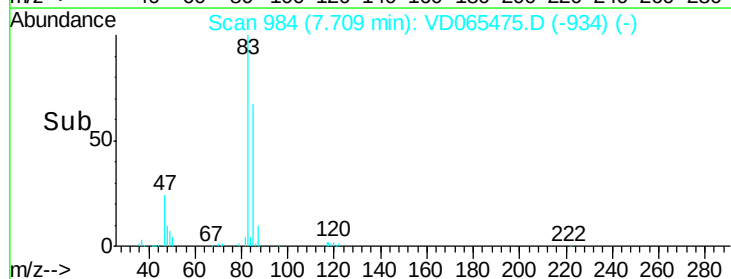
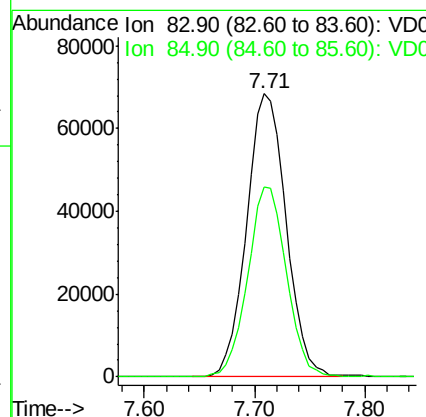
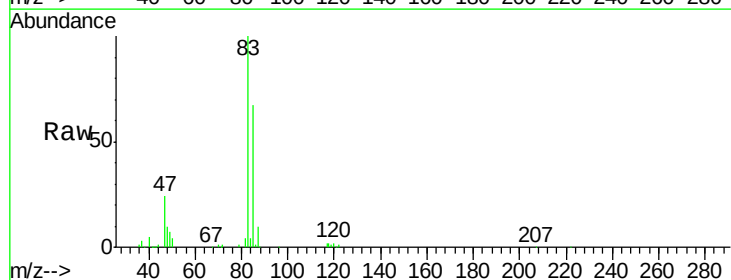
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

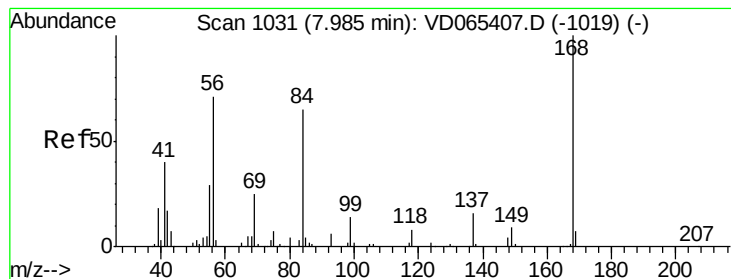
Tgt Ion: 42 Resp: 67885
Ion Ratio Lower Upper
42 100
72 43.3 33.0 49.6
71 39.6 32.0 48.0



#30
Chloroform
Concen: 21.71 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 83 Resp: 171899
Ion Ratio Lower Upper
83 100
85 67.1 50.3 75.5





#31

Cyclohexane

Concen: 20.50 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

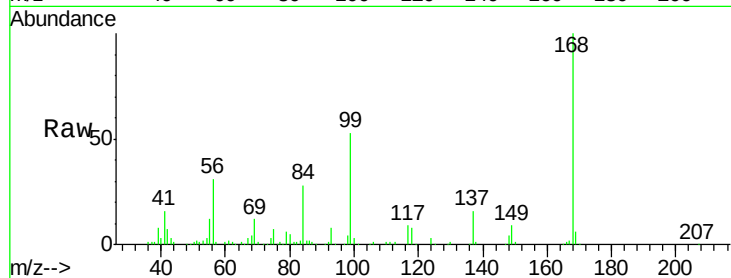
Tgt Ion: 56 Resp: 162394

Ion Ratio Lower Upper

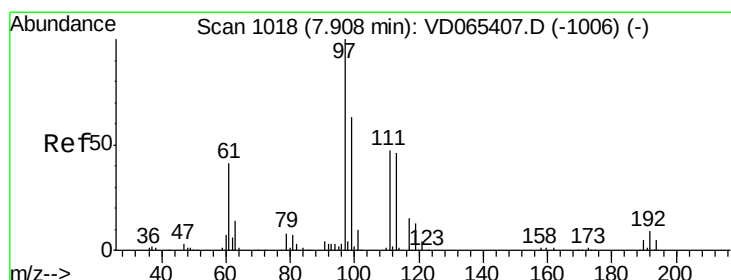
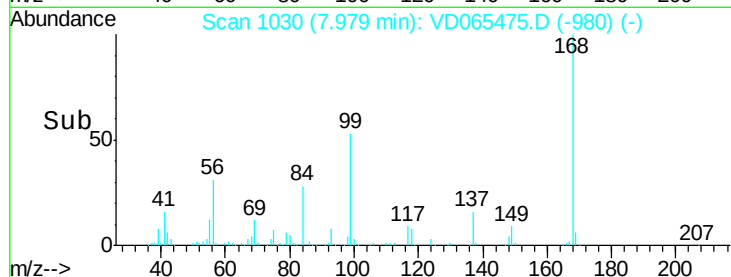
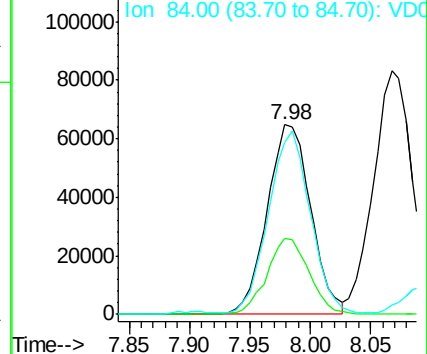
56 100

69 39.8 28.3 42.5

84 88.9 73.1 109.7



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: 21.51 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

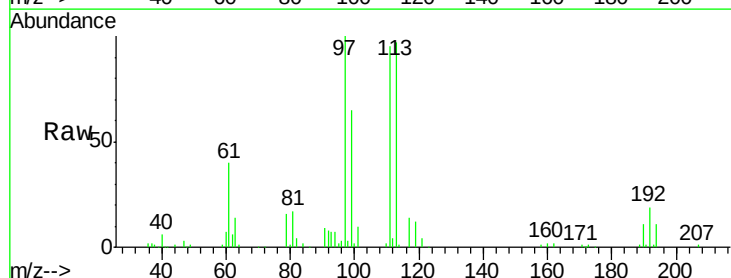
Tgt Ion: 97 Resp: 157404

Ion Ratio Lower Upper

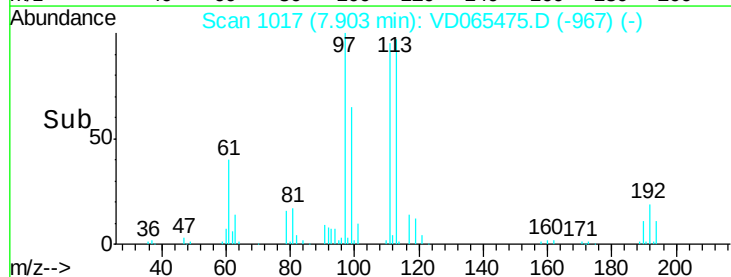
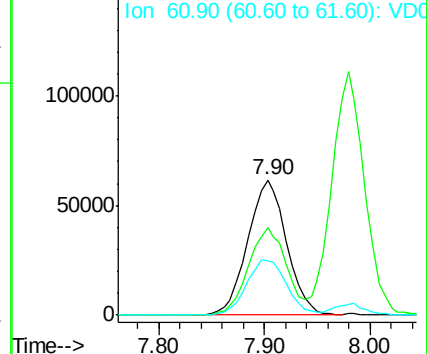
97 100

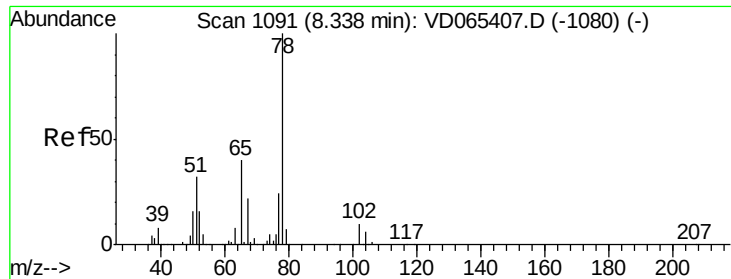
99 63.3 50.9 76.3

61 42.1 33.2 49.8



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

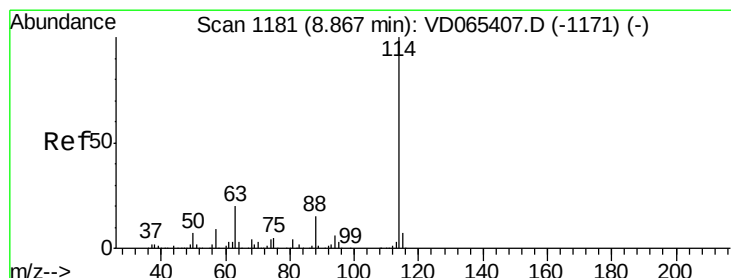
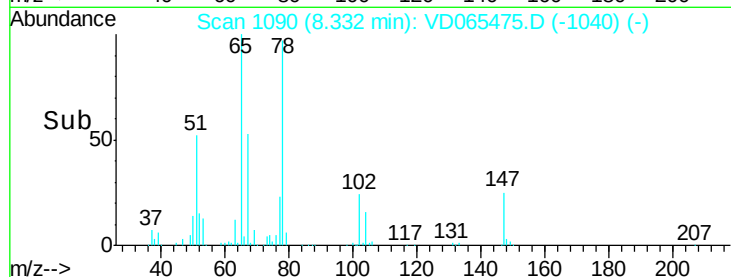
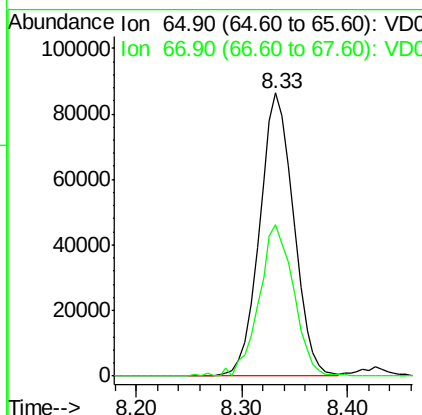
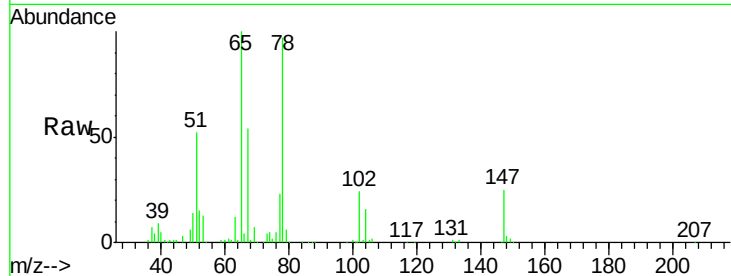




#33
 1,2-Dichloroethane-d4
 Concen: 48.46 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

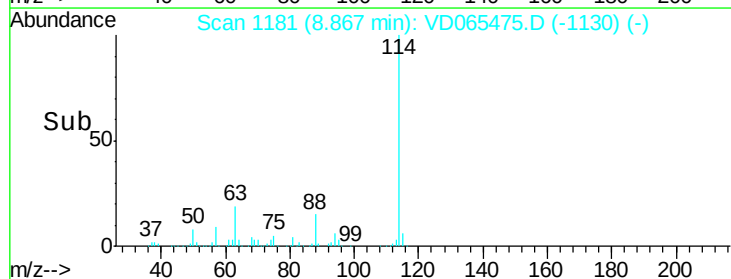
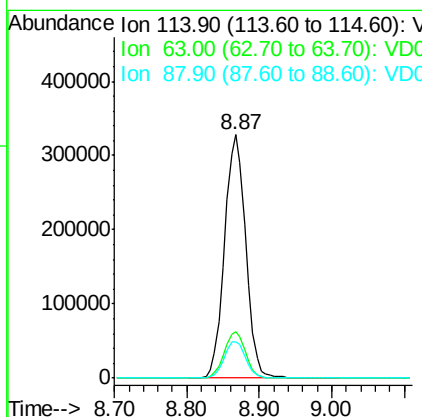
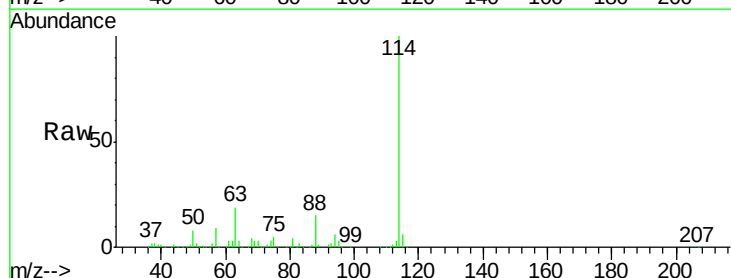
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

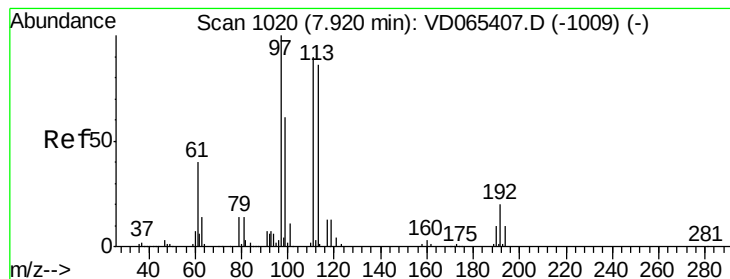
Tgt Ion: 65 Resp: 193303
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion: 114 Resp: 667498
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.79 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

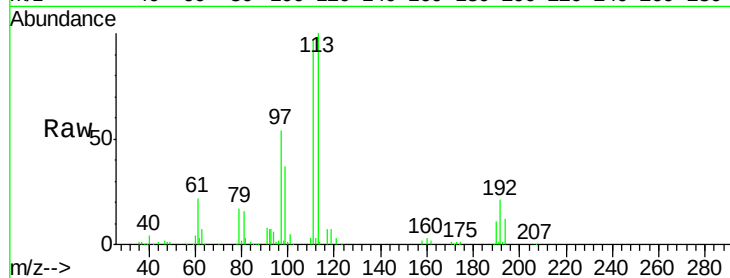
Tgt Ion: 113 Resp: 209653

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

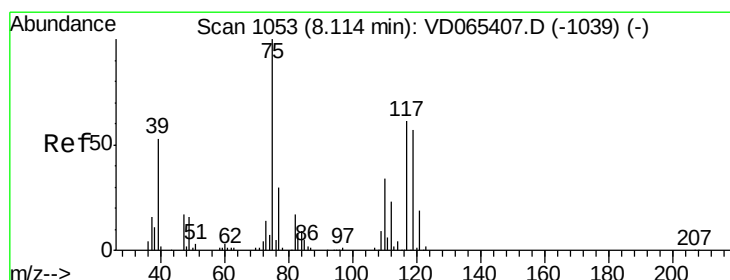
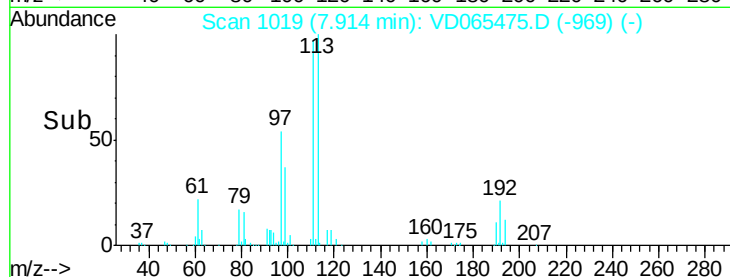
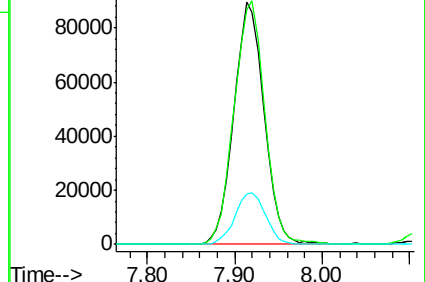
192 21.7 17.2 25.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.69 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

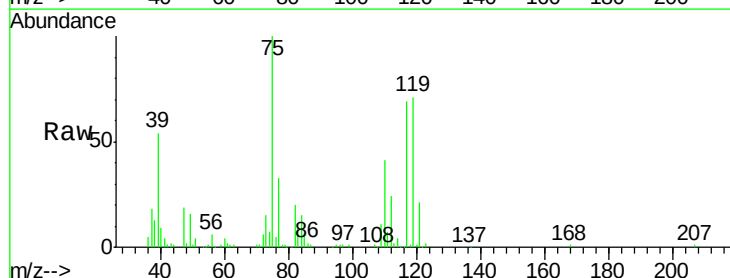
Tgt Ion: 75 Resp: 138796

Ion Ratio Lower Upper

75 100

110 37.1 18.1 54.1

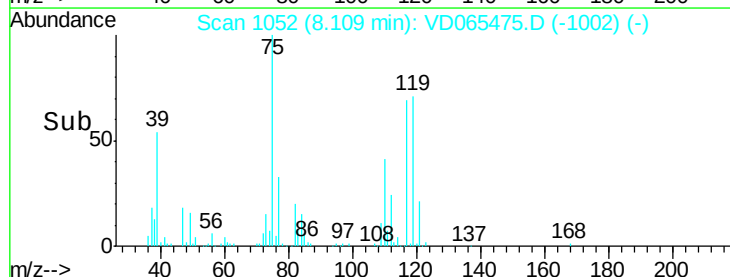
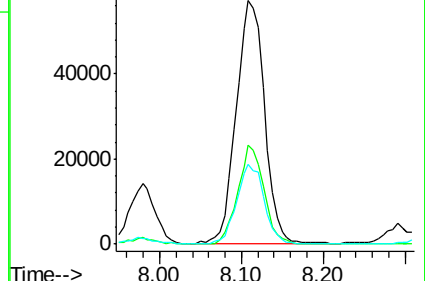
77 31.7 25.2 37.8

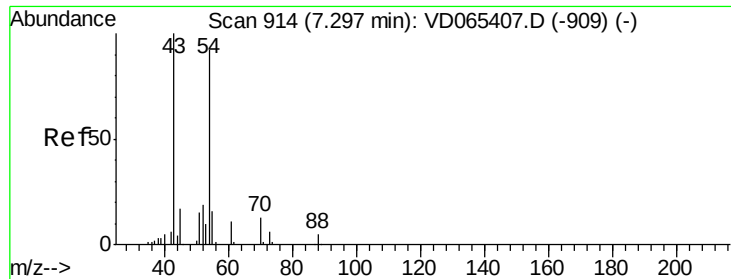


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

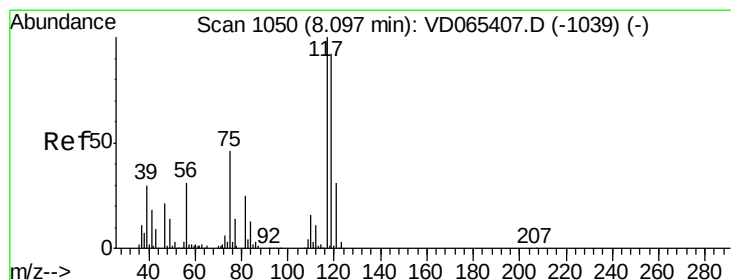
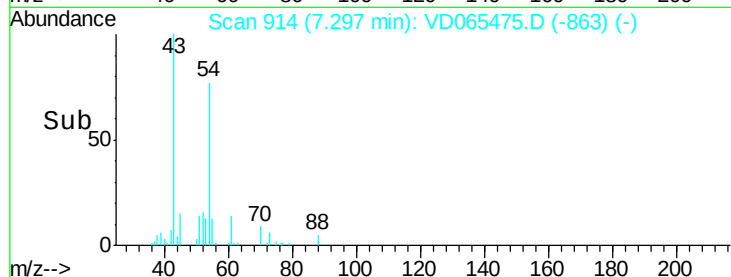
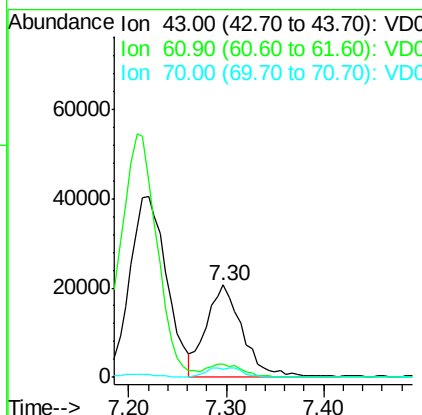
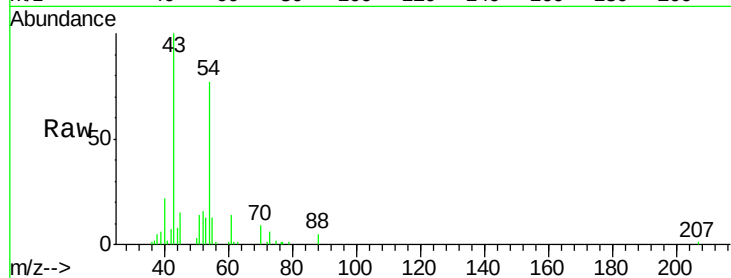




#37
Ethyl Acetate
Concen: 21.30 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

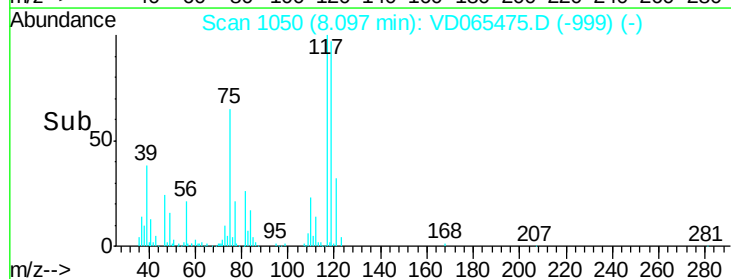
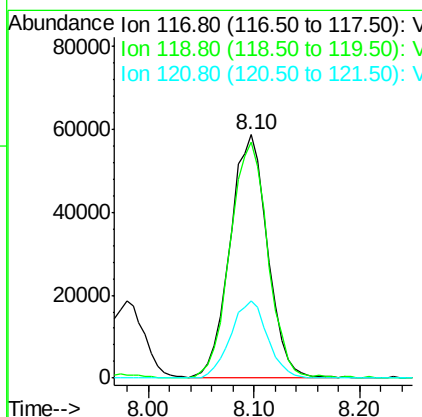
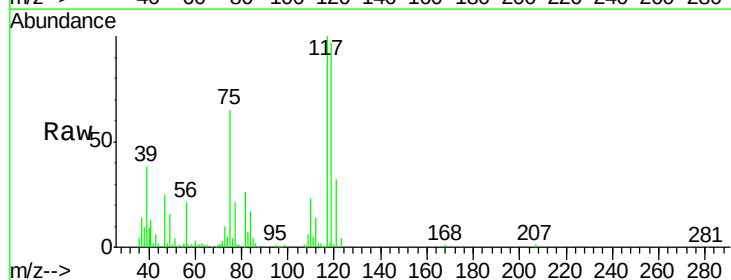
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

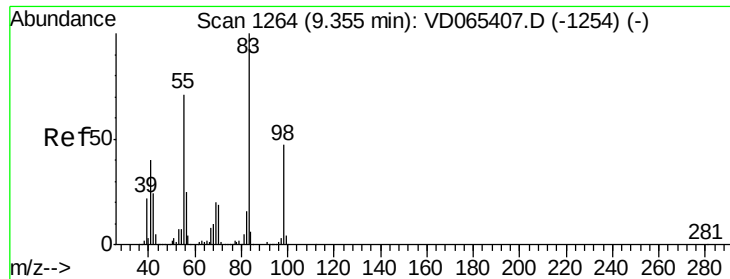
Tgt Ion: 43 Resp: 52680
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.0
70 5.6 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 21.82 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 117 Resp: 144766
Ion Ratio Lower Upper
117 100
119 96.5 73.3 109.9
121 31.9 25.0 37.4

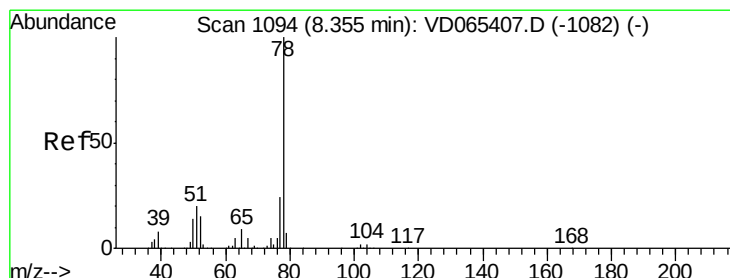
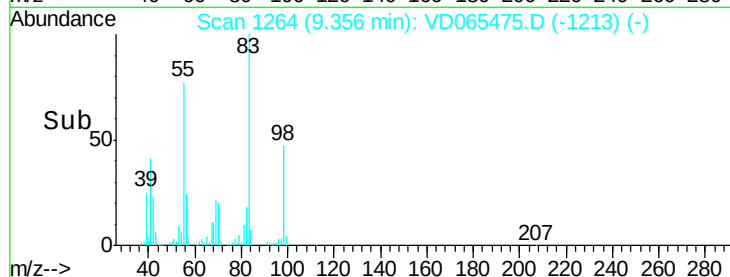
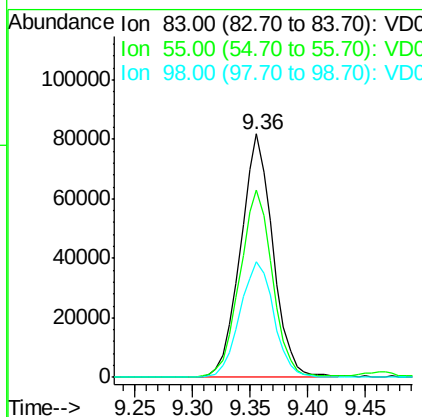
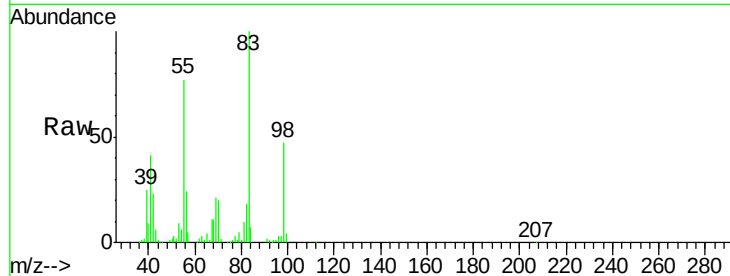




#39
Methylcyclohexane
Concen: 20.64 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

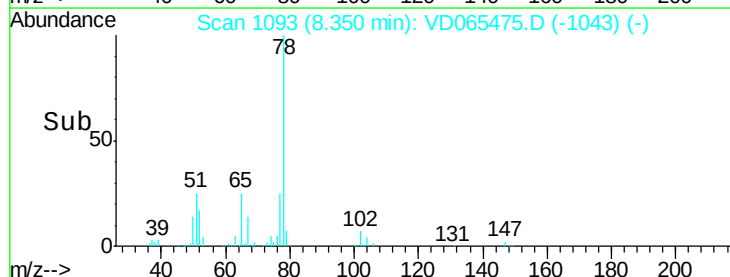
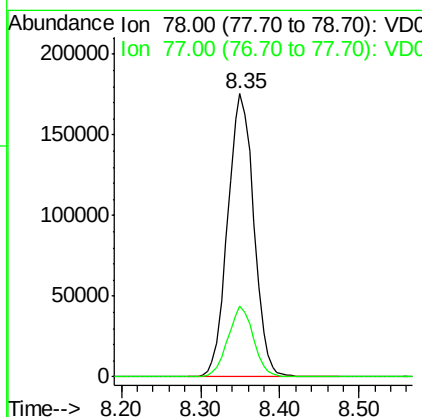
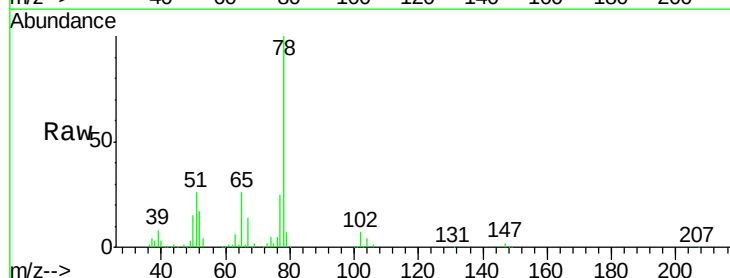
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

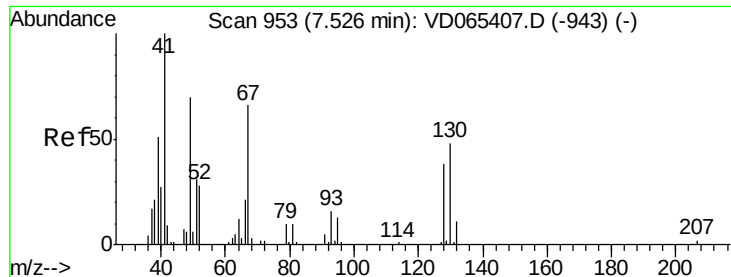
Tgt Ion: 83 Resp: 159478
Ion Ratio Lower Upper
83 100
55 77.2 57.1 85.7
98 47.5 37.8 56.8



#40
Benzene
Concen: 22.41 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 78 Resp: 400851
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0

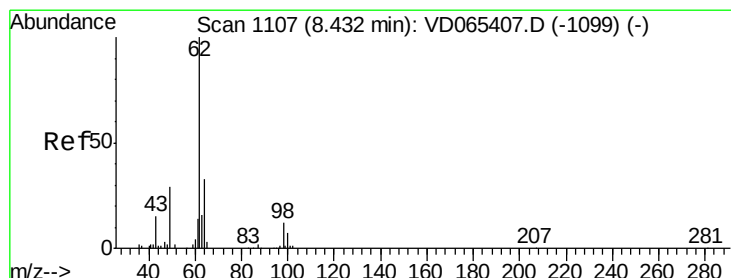
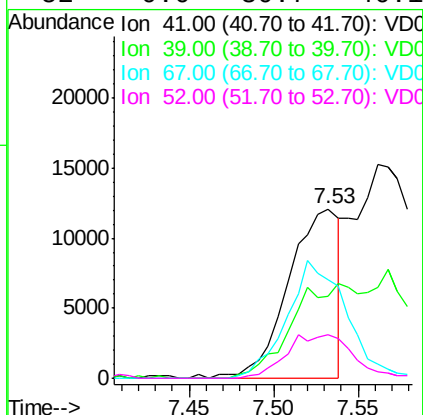
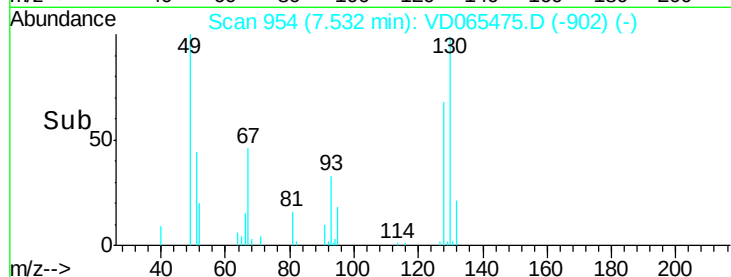
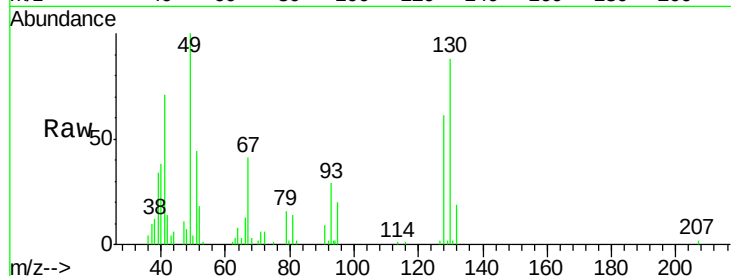




#41
Methacrylonitrile
Concen: 19.40 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

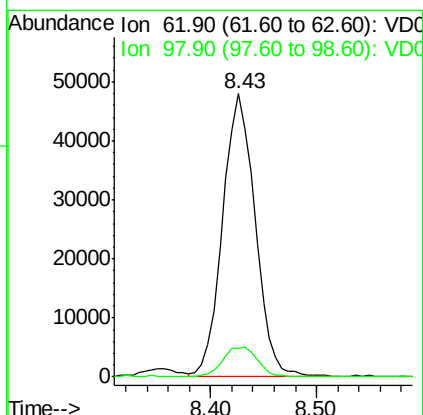
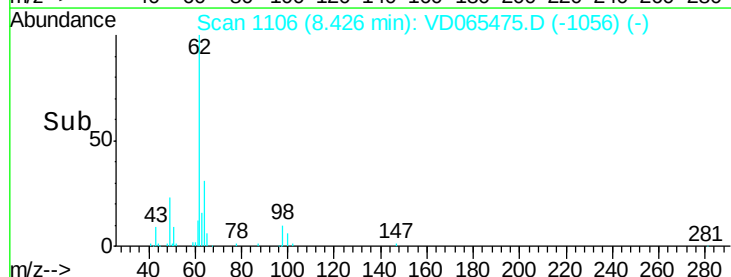
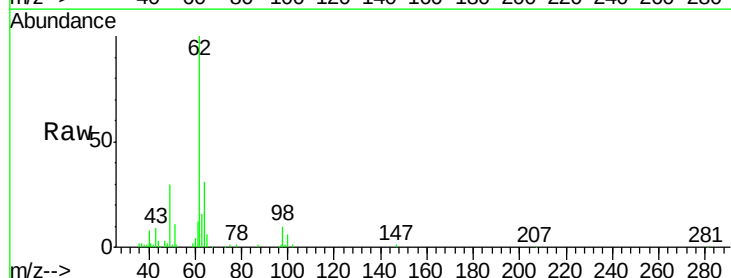
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

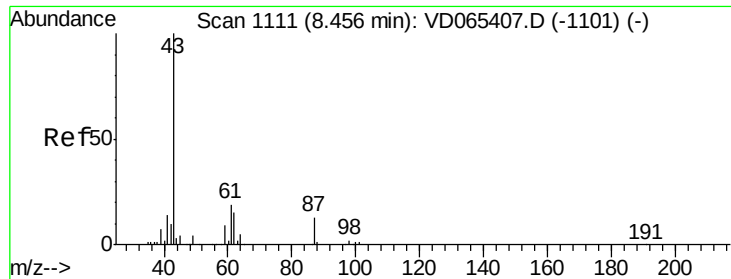
Tgt Ion: 41 Resp: 25371
Ion Ratio Lower Upper
41 100
39 70.9 55.0 82.6
67 0.0 70.3 105.5#
52 0.0 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 22.03 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 62 Resp: 102915
Ion Ratio Lower Upper
62 100
98 11.1 0.0 21.4





#43

Isopropyl Acetate

Concen: 20.15 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

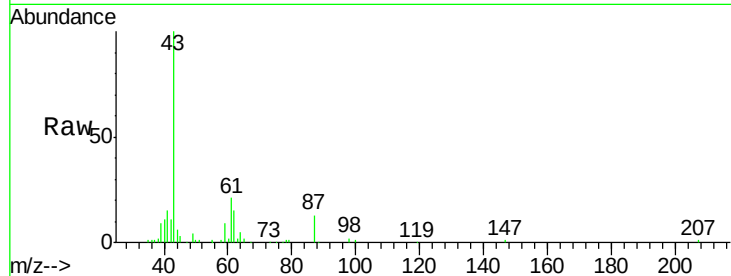
Tgt Ion: 43 Resp: 92012

Ion Ratio Lower Upper

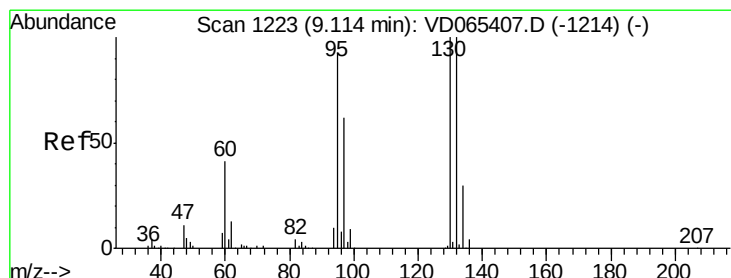
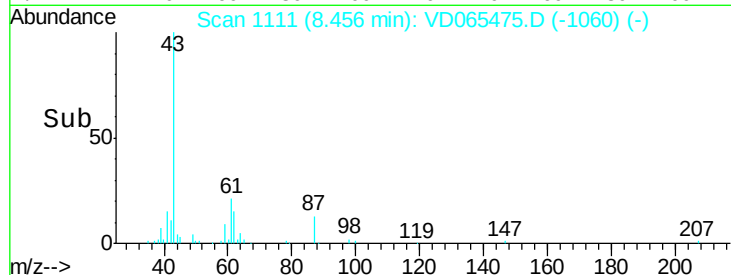
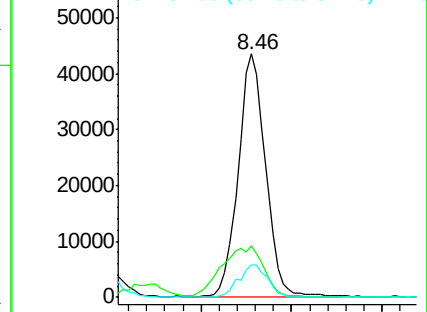
43 100

61 32.1 25.0 37.6

87 13.8 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.62 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065475.D

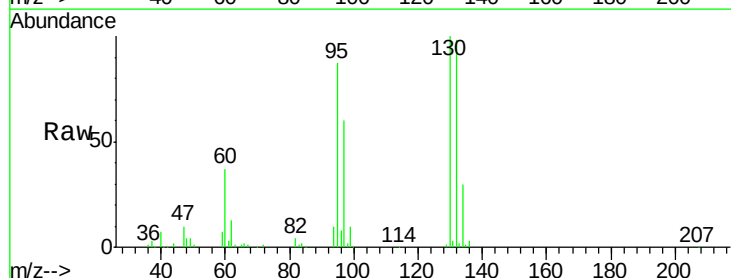
Acq: 11 Mar 2020 12:09

Tgt Ion: 130 Resp: 109206

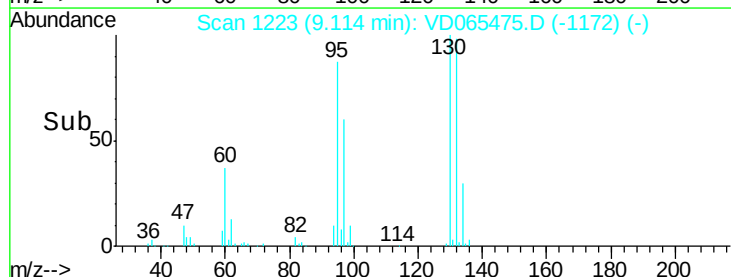
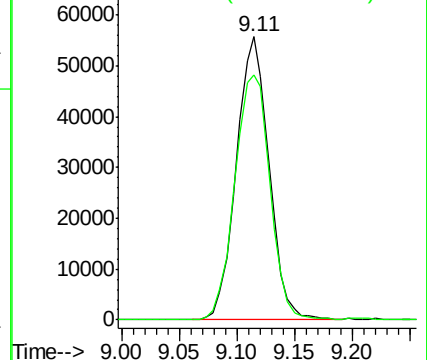
Ion Ratio Lower Upper

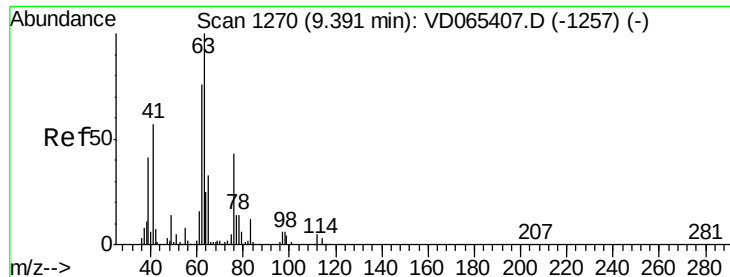
130 100

95 86.3 0.0 186.0



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

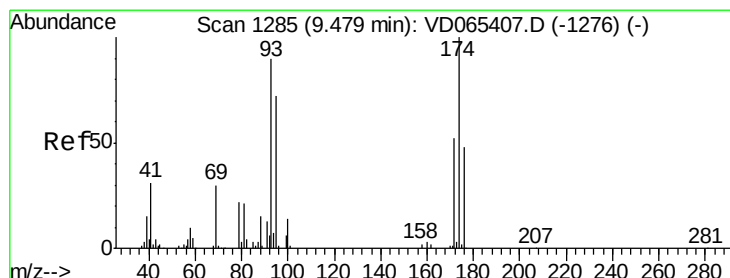
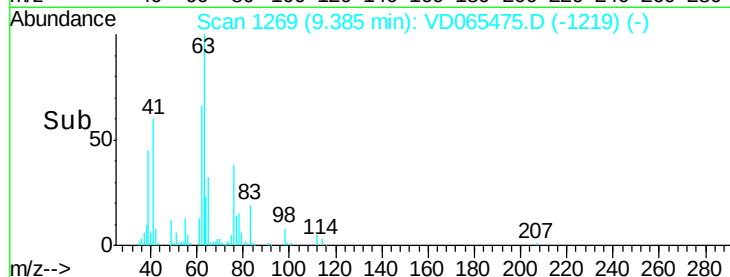
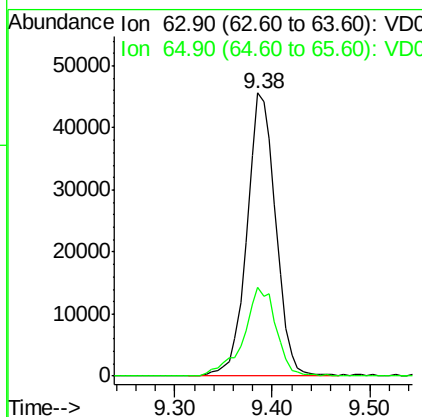
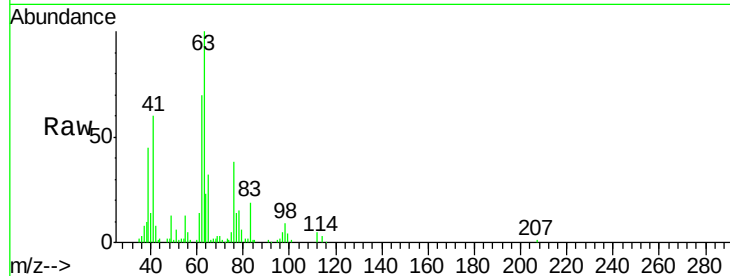




#45
 1,2-Dichloropropane
 Concen: 21.87 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

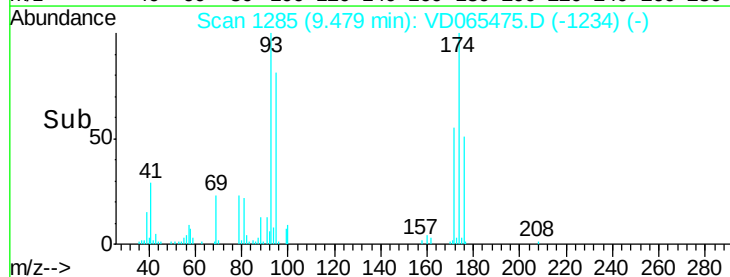
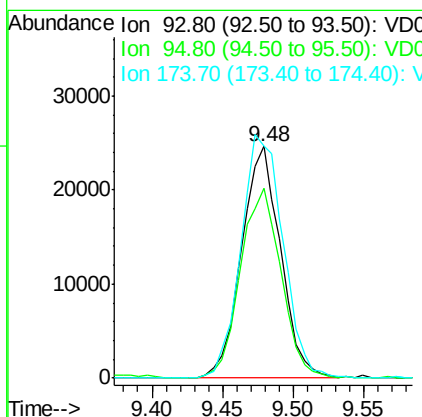
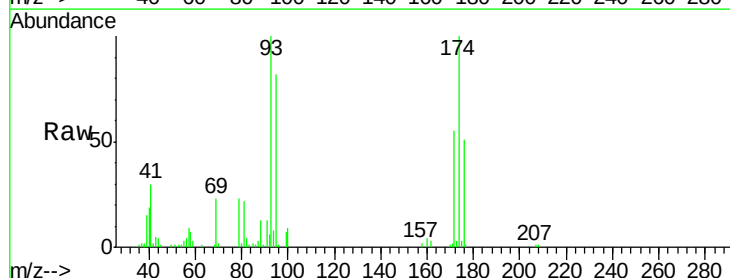
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

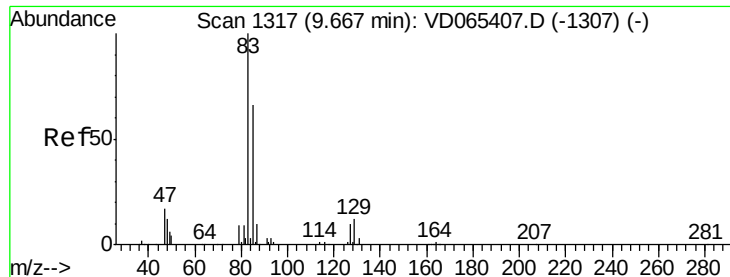
Tgt Ion: 63 Resp: 94777
 Ion Ratio Lower Upper
 63 100
 65 31.5 26.4 39.6



#46
 Dibromomethane
 Concen: 21.21 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion: 93 Resp: 47686
 Ion Ratio Lower Upper
 93 100
 95 85.2 65.0 97.6
 174 114.0 88.3 132.5





#47

Bromodichloromethane

Concen: 21.96 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

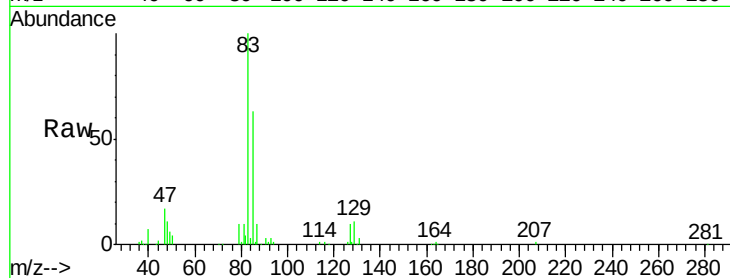
Tgt Ion: 83 Resp: 128410

Ion Ratio Lower Upper

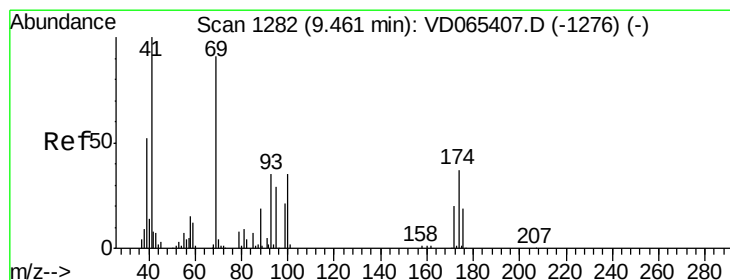
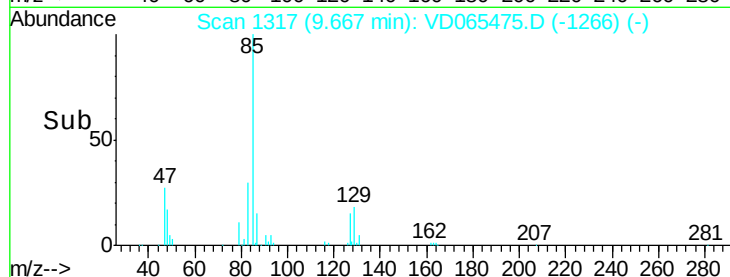
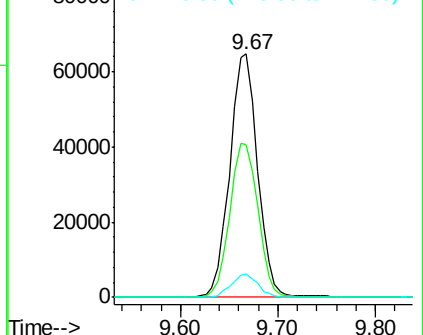
83 100

85 62.5 52.8 79.2

127 9.5 8.0 12.0



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



#48

Methyl methacrylate

Concen: 19.57 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

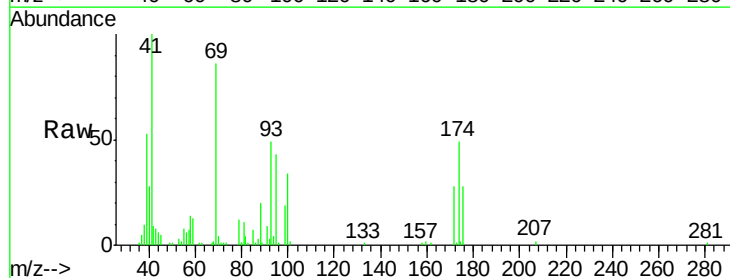
Tgt Ion: 41 Resp: 42026

Ion Ratio Lower Upper

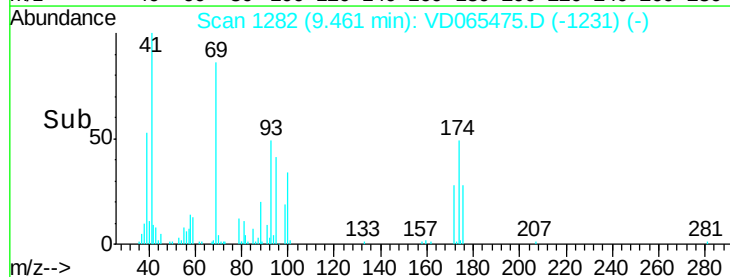
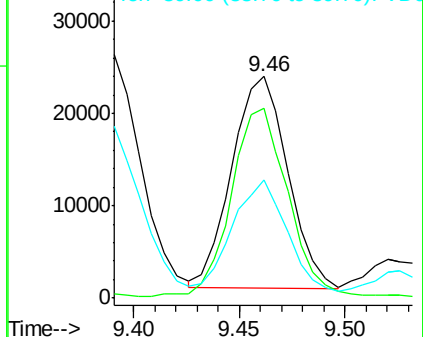
41 100

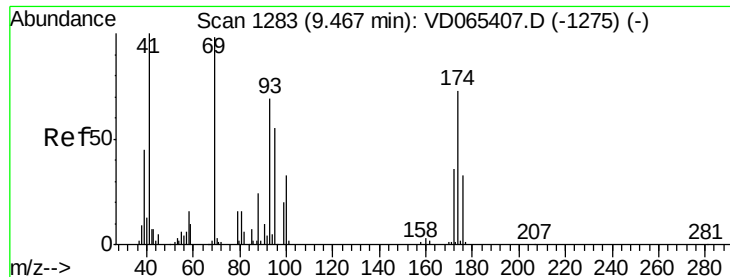
69 93.6 72.5 108.7

39 57.8 41.6 62.4



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

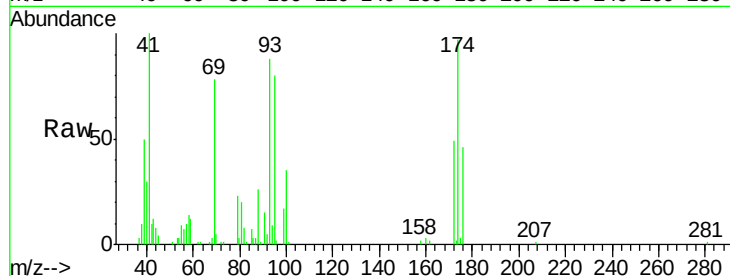




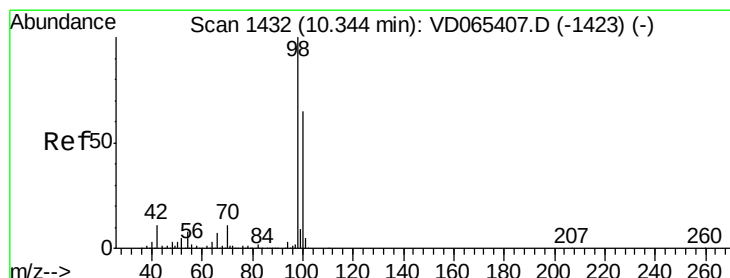
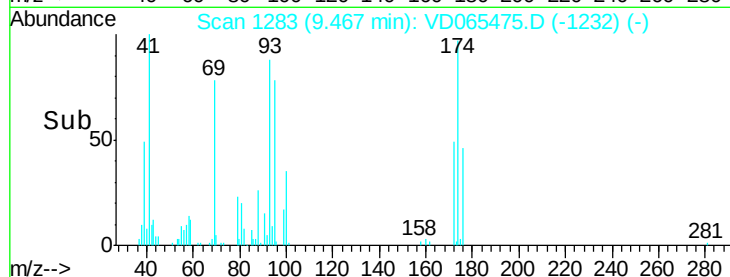
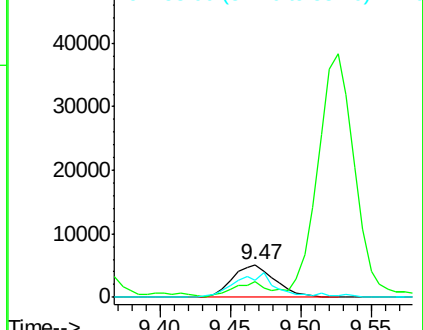
#49
1,4-Dioxane
Concen: 423.59 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tgt Ion: 88 Resp: 10891
Ion Ratio Lower Upper
88 100
43 33.1 24.5 36.7
58 69.8 54.5 81.7

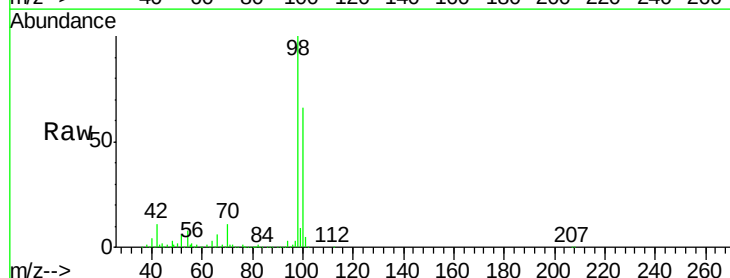


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

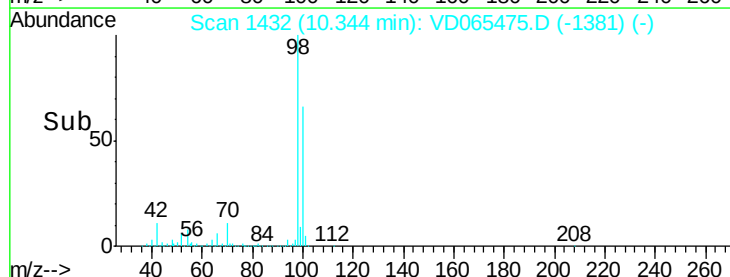
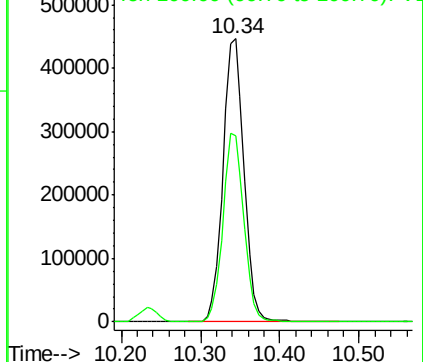


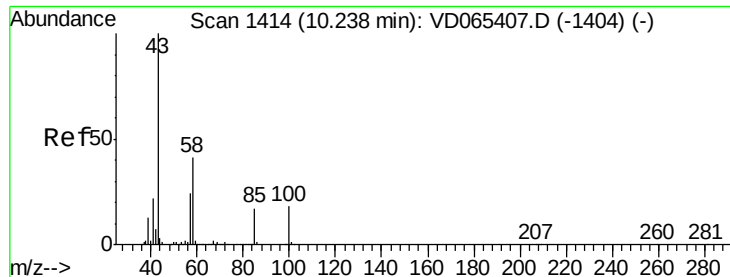
#50
Toluene-d8
Concen: 51.70 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 98 Resp: 818766
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2



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

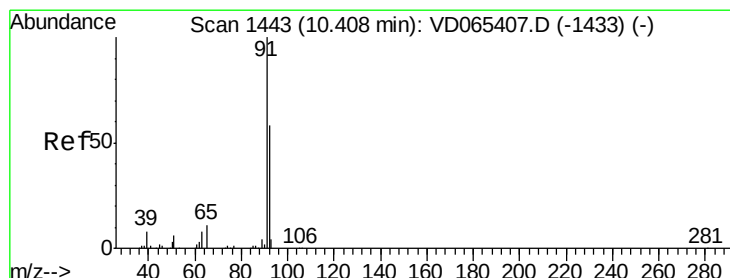
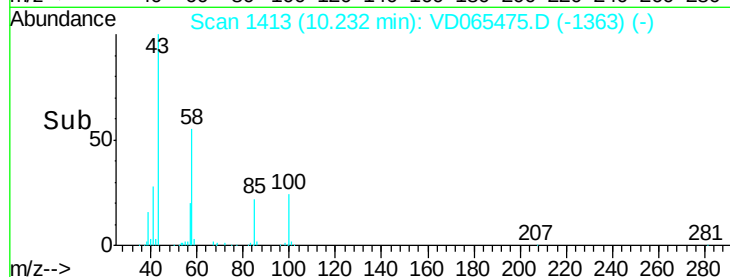
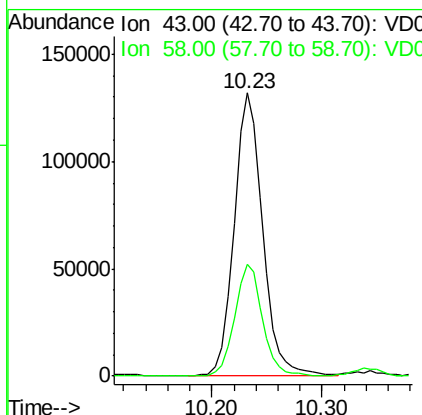
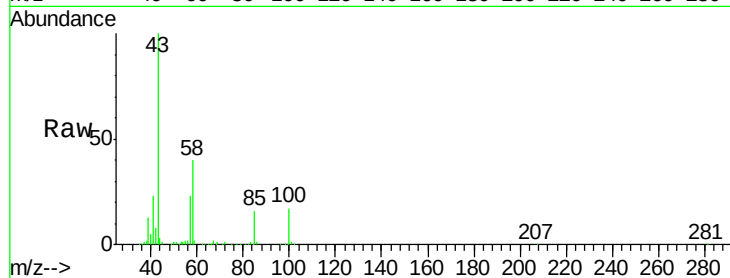




#51
4-Methyl-2-Pentanone
Concen: 104.17 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

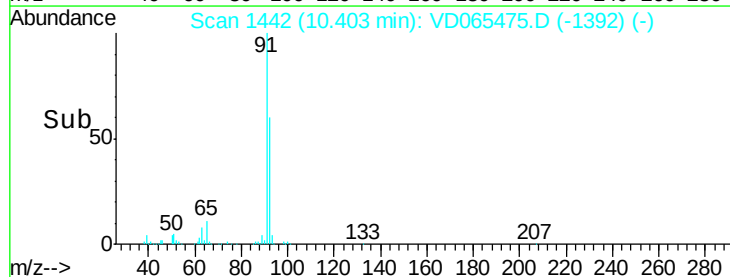
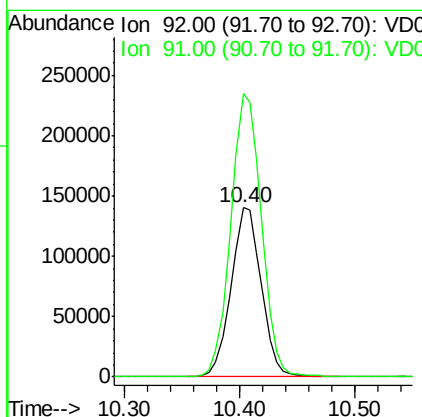
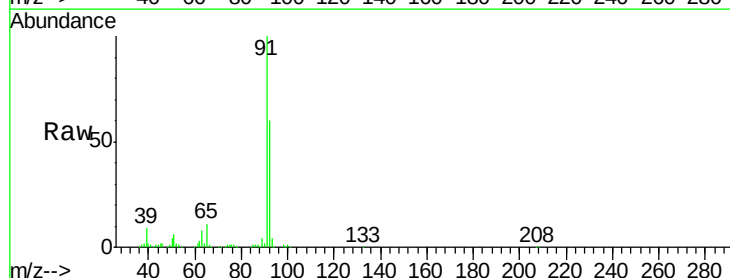
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

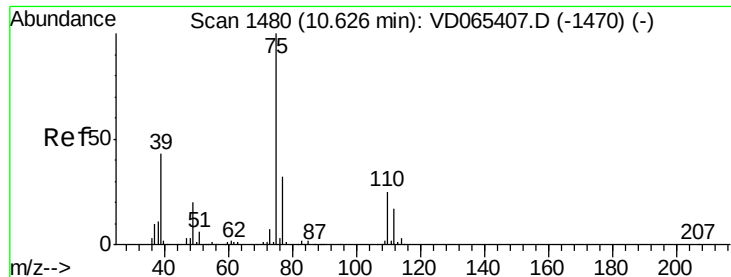
Tgt Ion: 43 Resp: 239373
Ion Ratio Lower Upper
43 100
58 38.5 31.8 47.6



#52
Toluene
Concen: 22.50 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 92 Resp: 253521
Ion Ratio Lower Upper
92 100
91 170.3 137.8 206.8

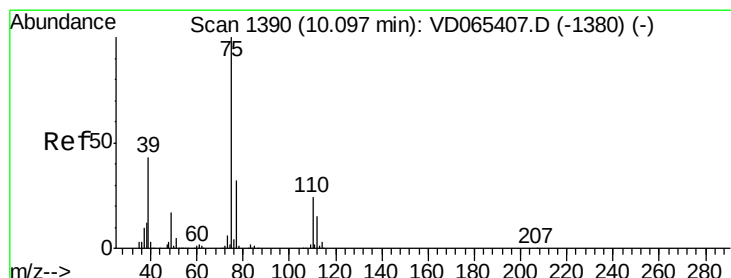
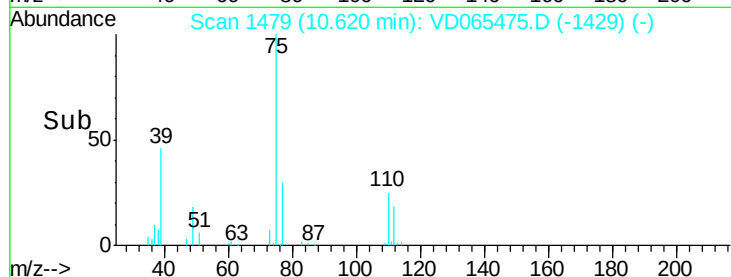
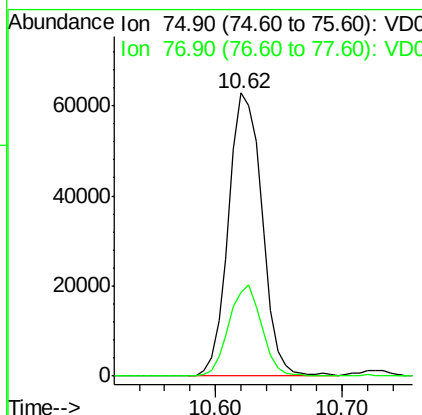
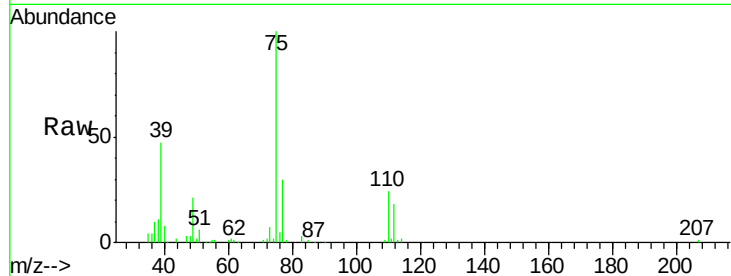




#53
t-1,3-Dichloropropene
Concen: 21.08 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

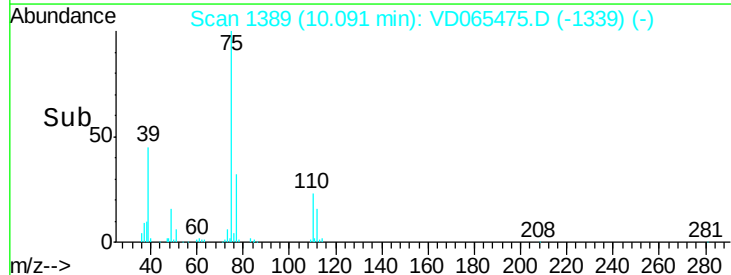
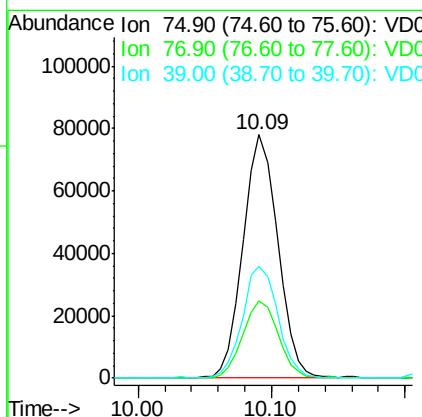
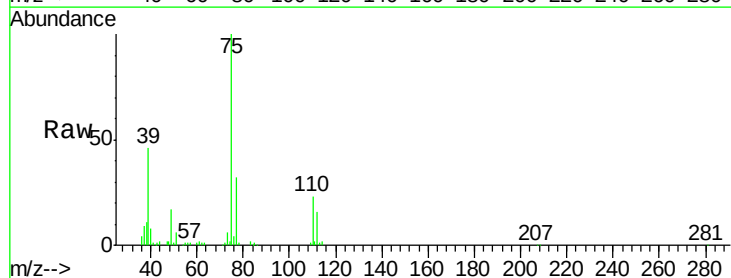
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

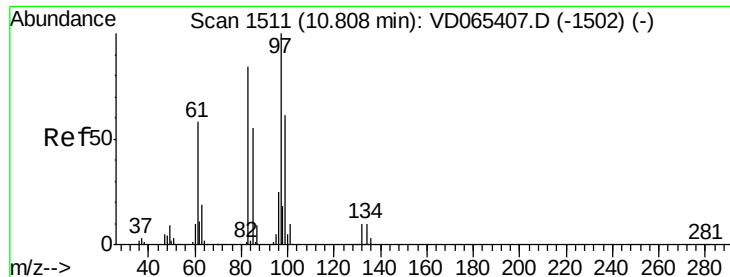
Tgt Ion: 75 Resp: 115186
Ion Ratio Lower Upper
75 100
77 29.7 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 21.33 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 75 Resp: 141071
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 45.3 34.6 52.0

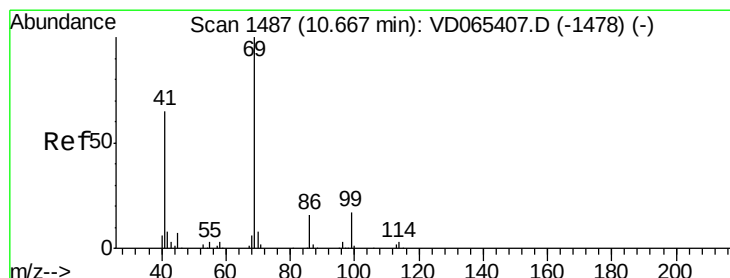
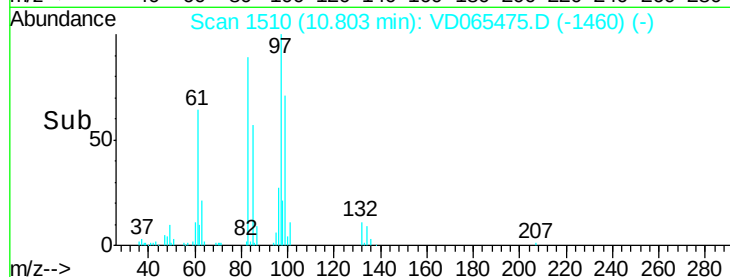
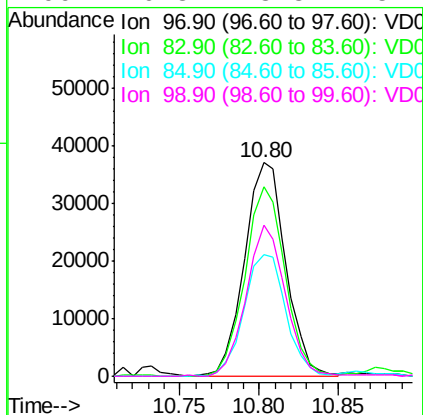
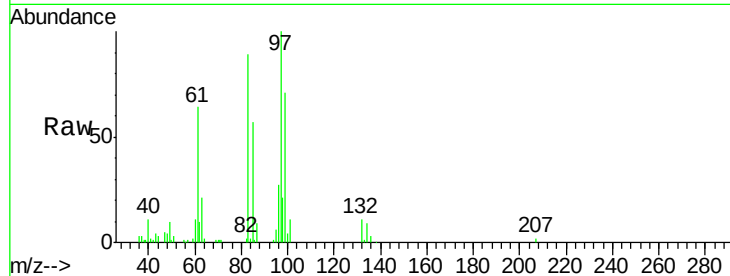




#55
 1,1,2-Trichloroethane
 Concen: 21.11 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

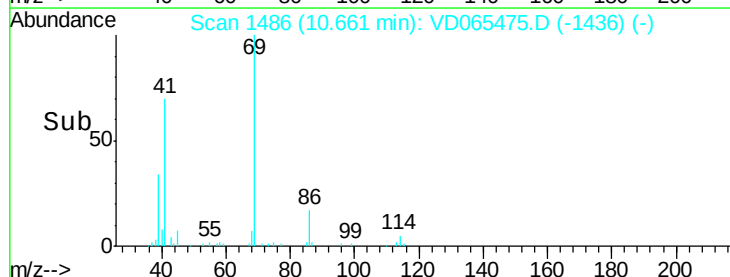
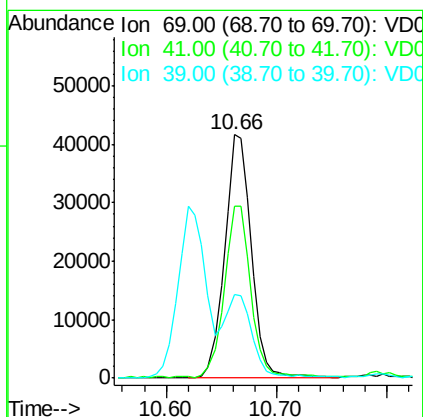
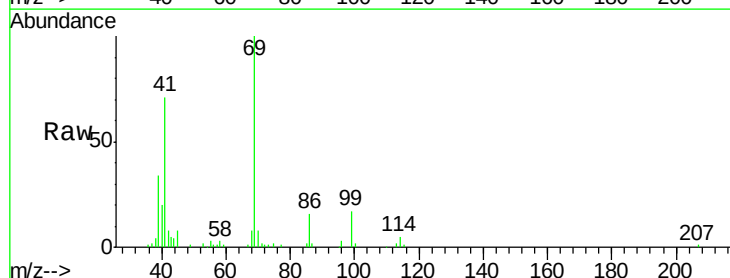
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

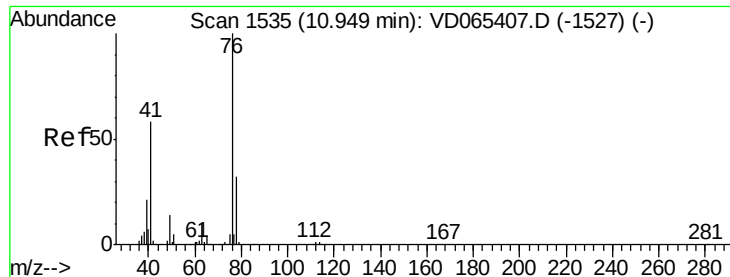
Tgt Ion: 97 Resp: 67200
 Ion Ratio Lower Upper
 97 100
 83 89.0 67.4 101.0
 85 57.2 43.8 65.8
 99 70.3 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 19.62 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion: 69 Resp: 70411
 Ion Ratio Lower Upper
 69 100
 41 69.6 53.0 79.6
 39 31.2 26.0 39.0





#57

1,3-Dichloropropane

Concen: 21.81 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

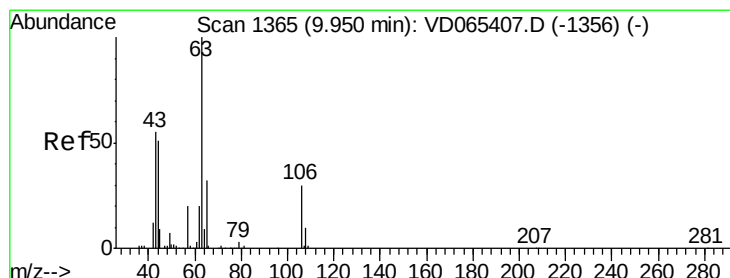
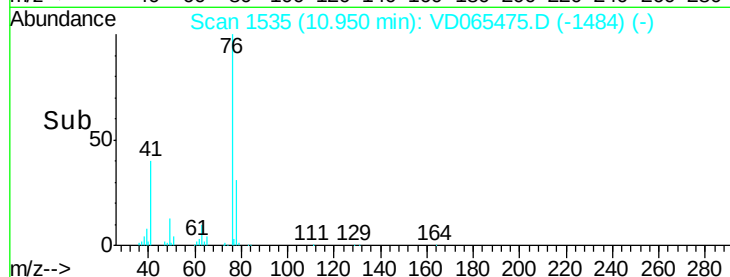
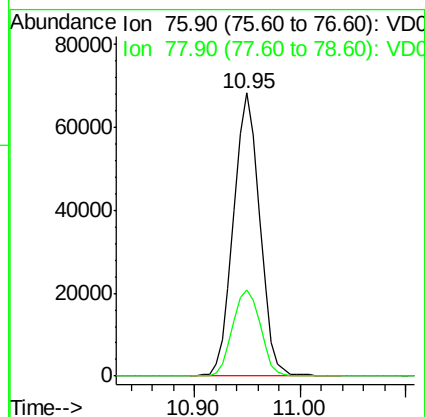
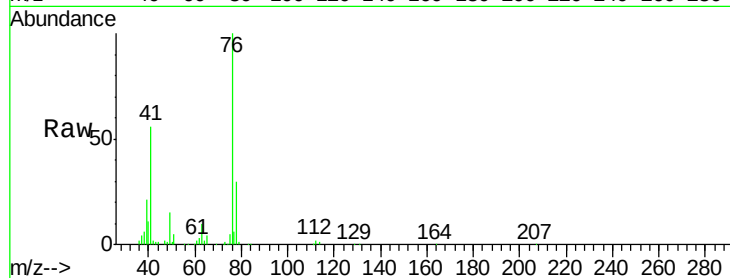
VD0311SBS01

Tgt Ion: 76 Resp: 117502

Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 105.99 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065475.D

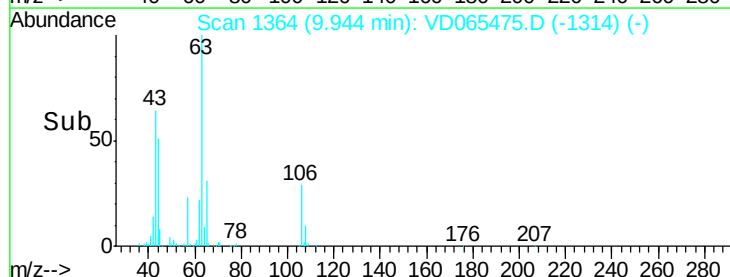
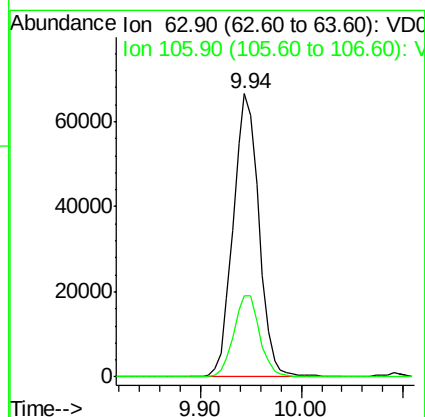
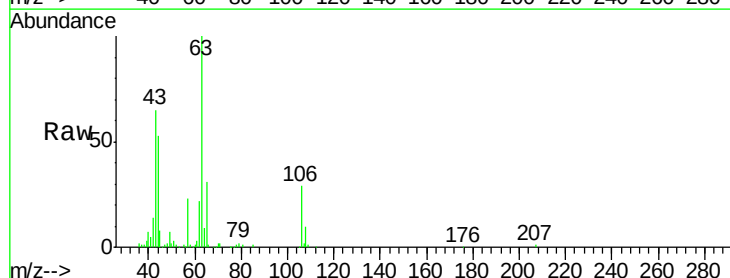
Acq: 11 Mar 2020 12:09

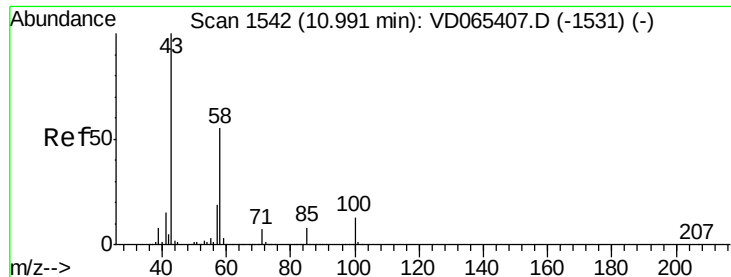
Tgt Ion: 63 Resp: 117466

Ion Ratio Lower Upper

63 100

106 28.8 23.3 34.9

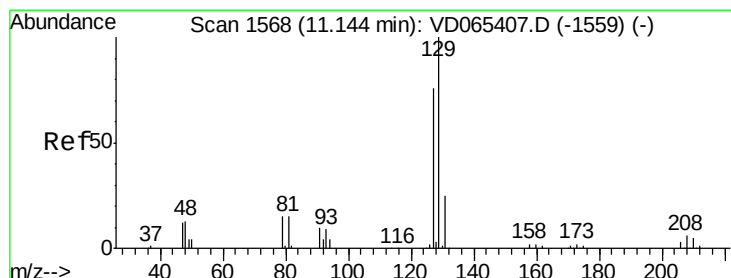
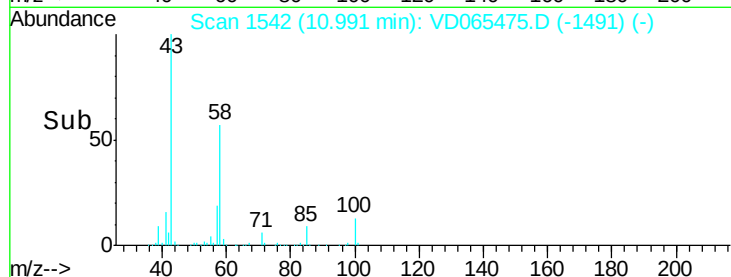
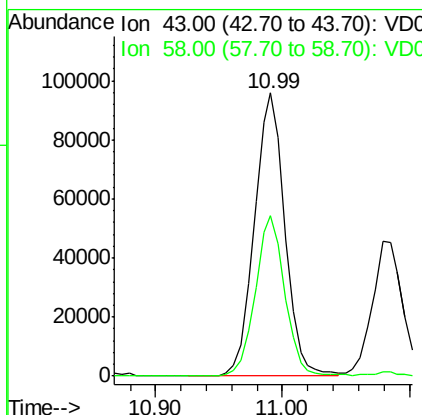
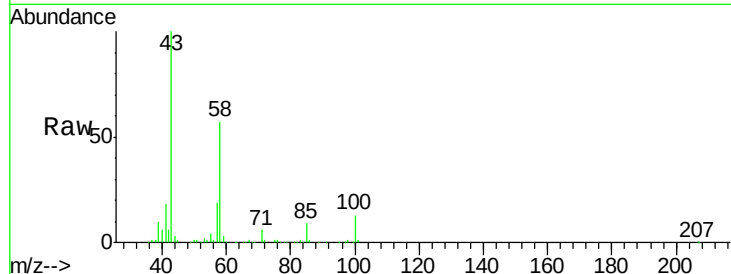




#59
2-Hexanone
Concen: 101.04 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

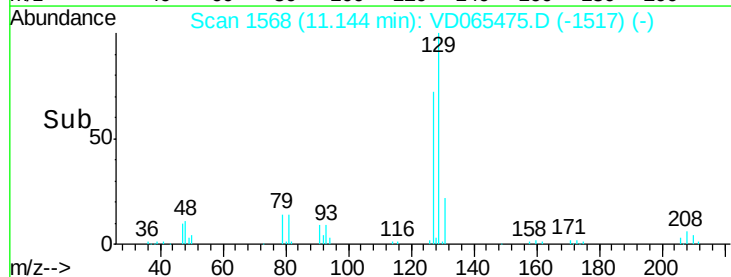
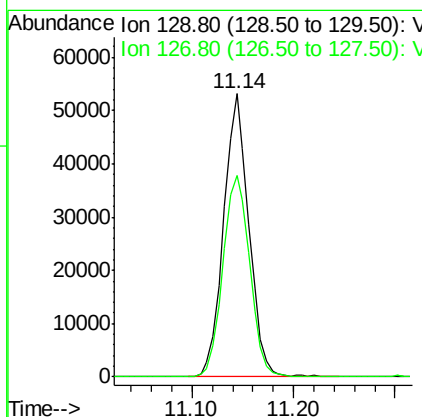
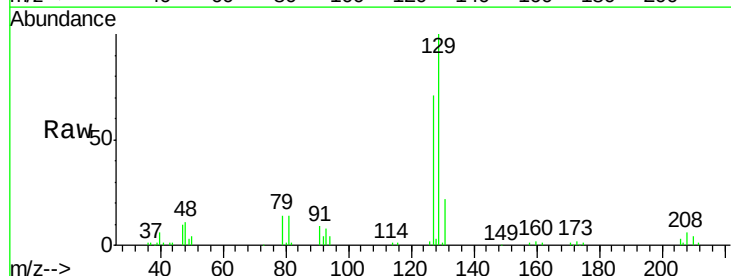
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

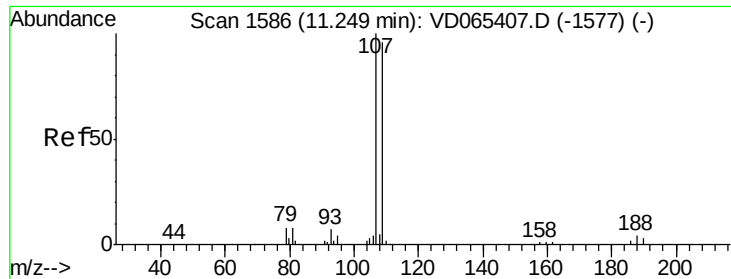
Tgt Ion: 43 Resp: 160722
Ion Ratio Lower Upper
43 100
58 54.7 27.4 82.2



#60
Dibromochloromethane
Concen: 22.42 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 129 Resp: 91474
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5

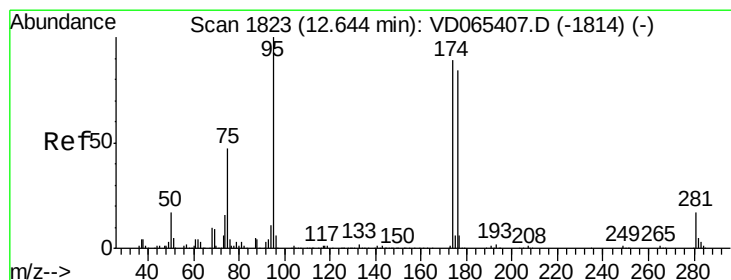
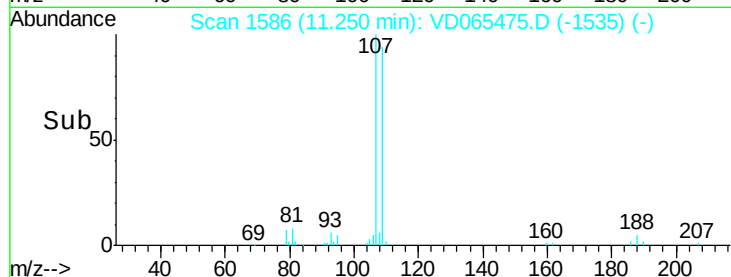
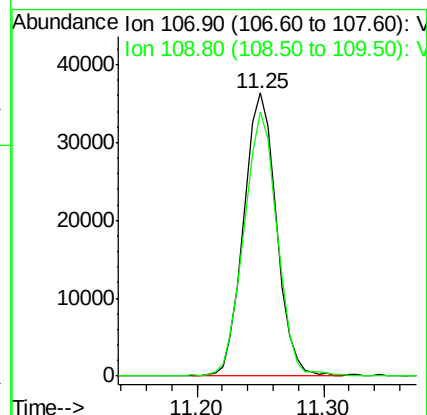
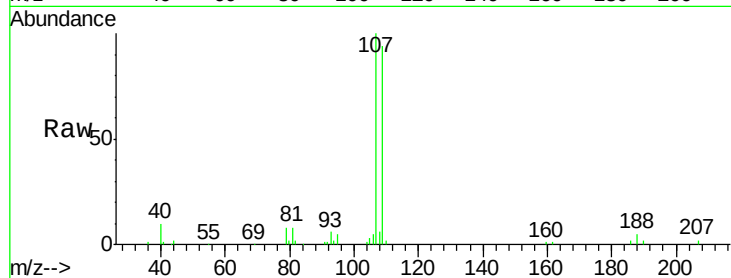




#61
 1,2-Dibromoethane
 Concen: 21.49 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

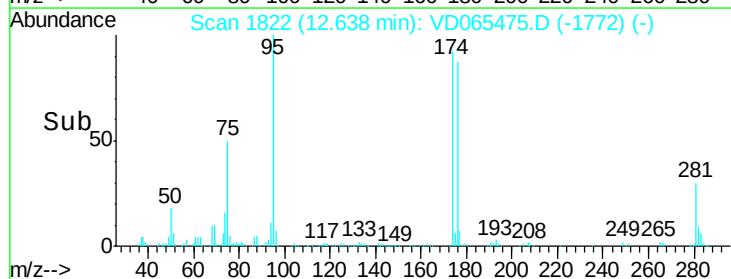
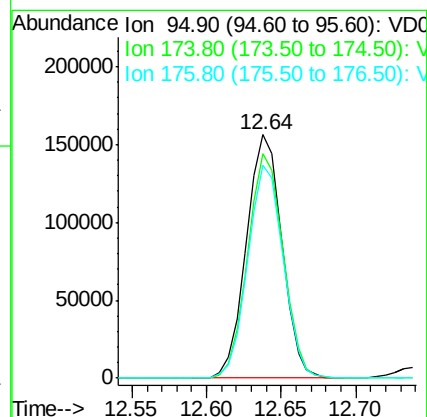
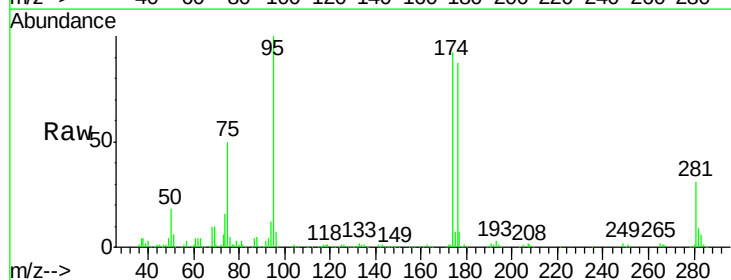
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

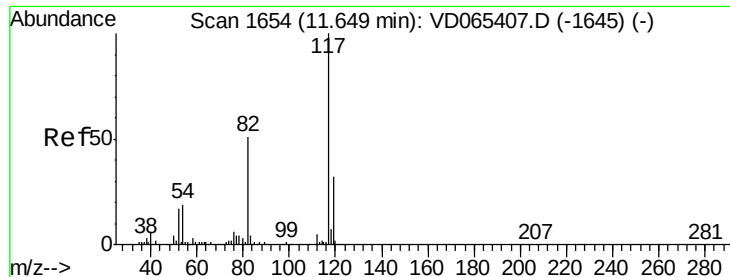
Tgt Ion: 107 Resp: 65247
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 52.62 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion: 95 Resp: 257233
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 176.8
 176 87.2 0.0 171.4

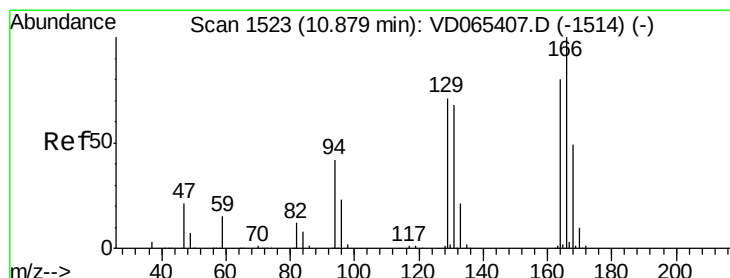
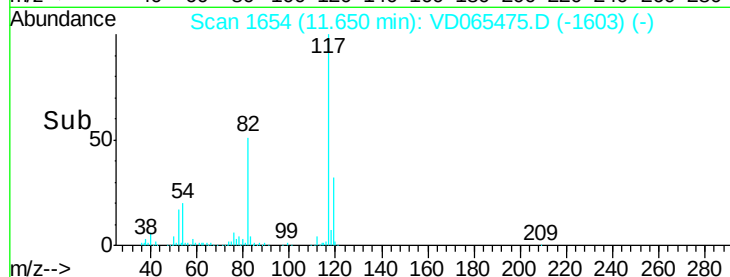
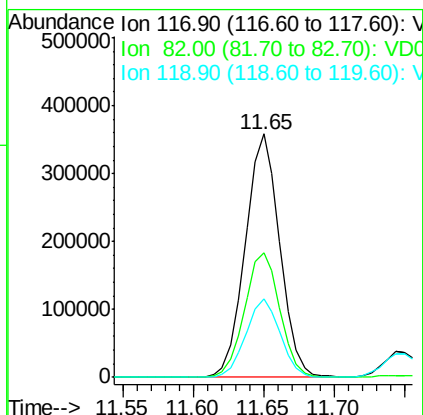
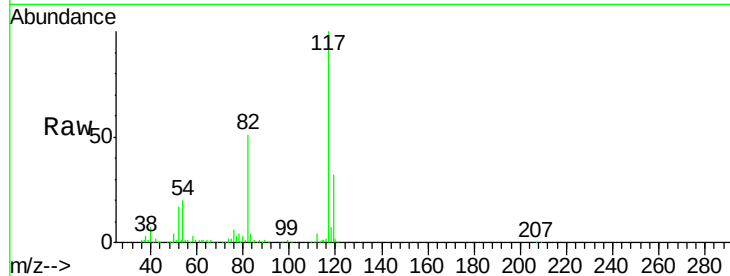




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

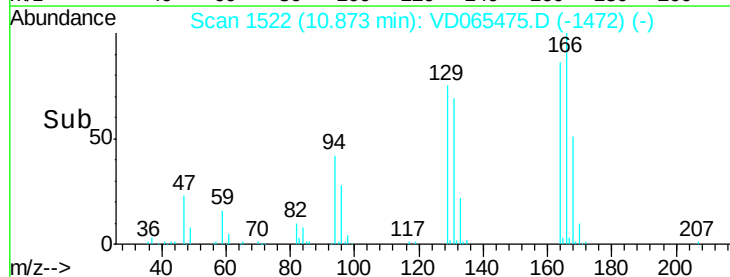
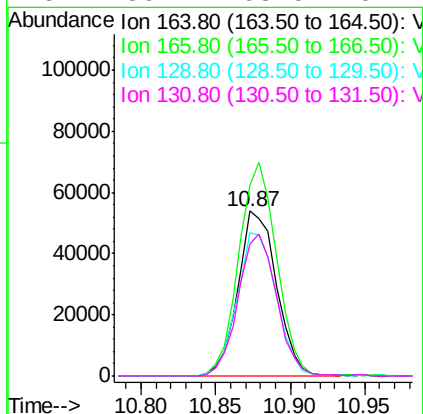
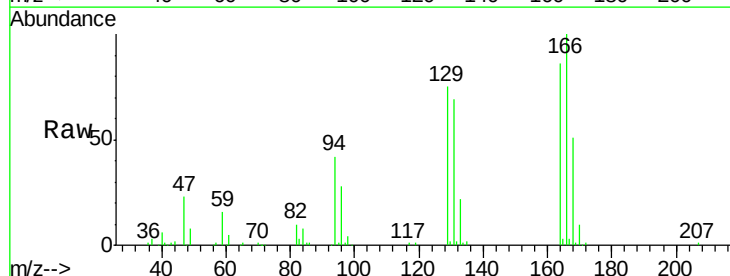
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

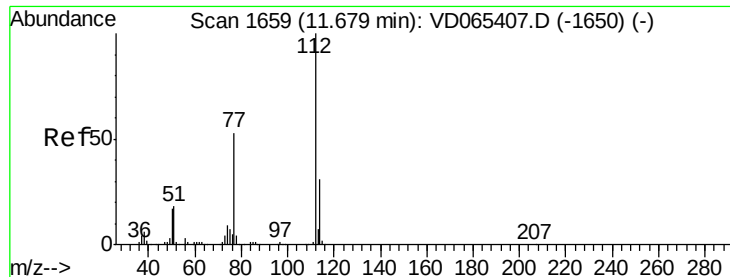
Tgt Ion:117 Resp: 614186
Ion Ratio Lower Upper
117 100
82 51.1 40.6 60.8
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 22.05 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion:164 Resp: 97045
Ion Ratio Lower Upper
164 100
166 115.9 100.5 150.7
129 86.9 71.5 107.3
131 80.2 68.5 102.7

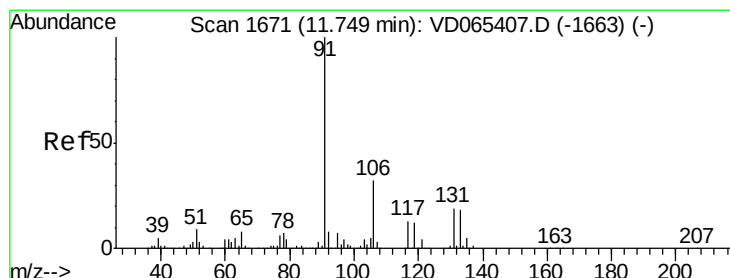
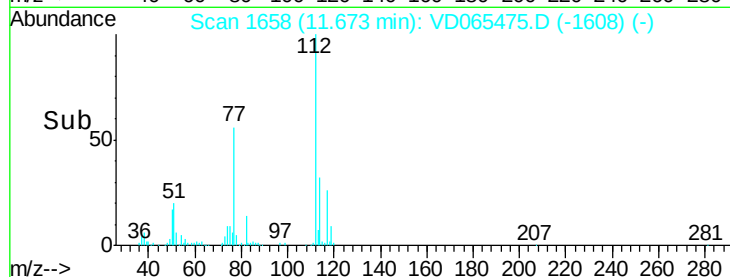
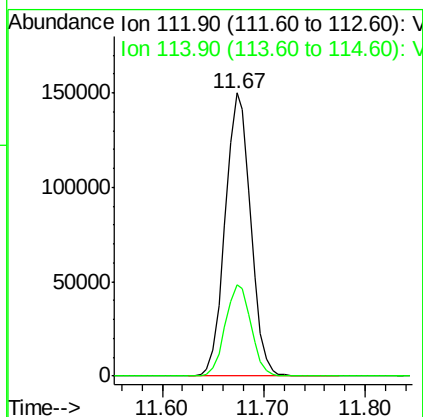
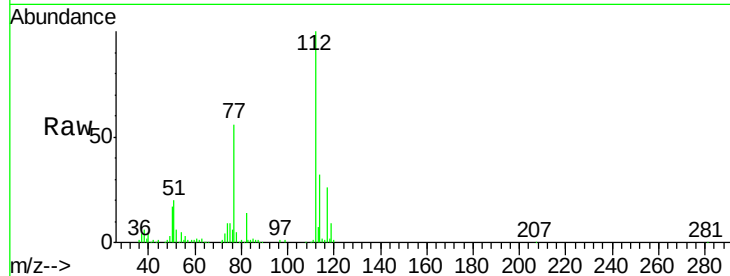




#65
Chlorobenzene
Concen: 21.49 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

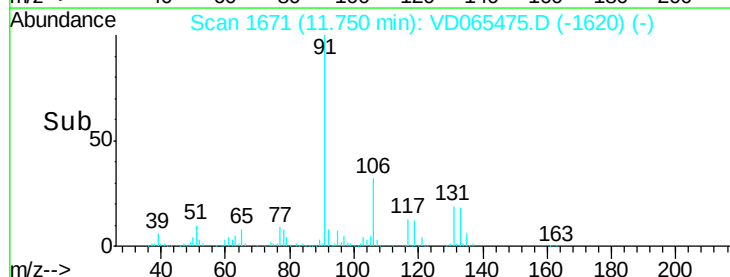
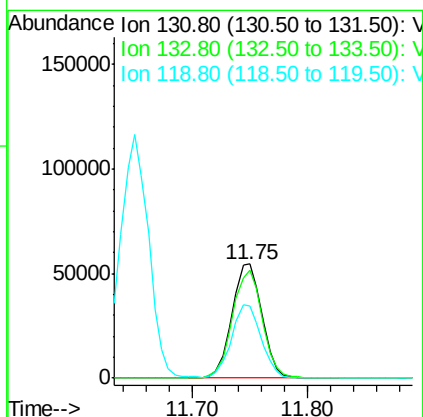
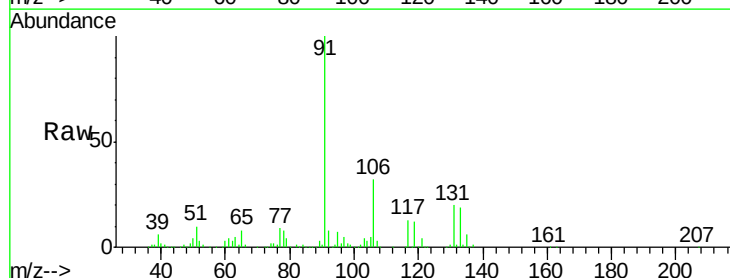
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

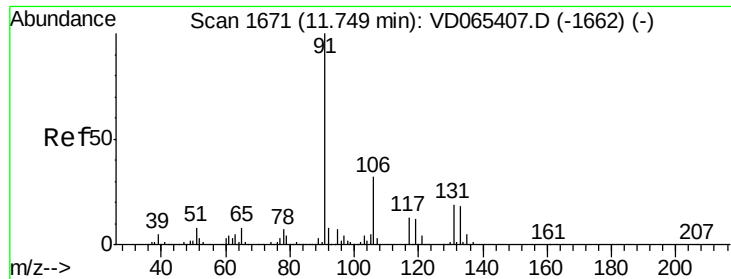
Tgt Ion:112 Resp: 261217
Ion Ratio Lower Upper
112 100
114 32.4 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.18 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion:131 Resp: 98161
Ion Ratio Lower Upper
131 100
133 93.9 49.2 147.6
119 63.7 33.3 99.8





#67

Ethyl Benzene

Concen: 21.42 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

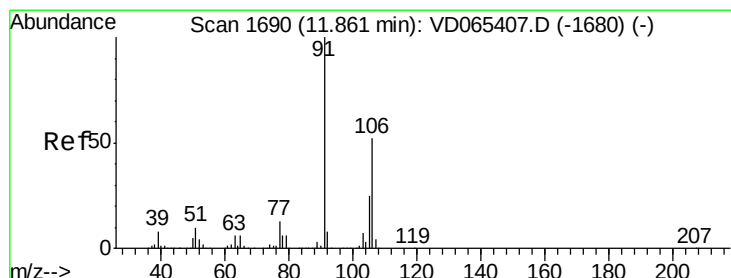
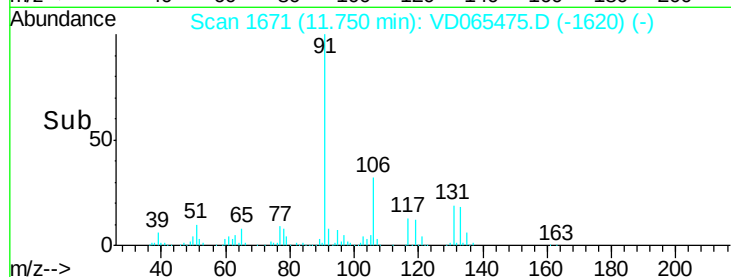
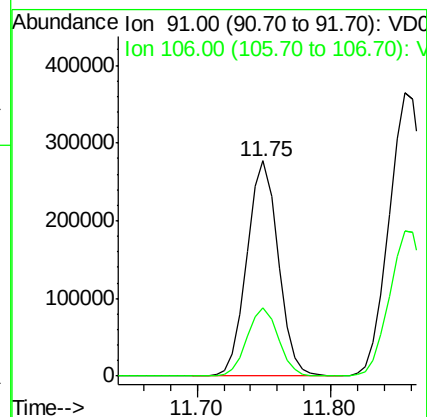
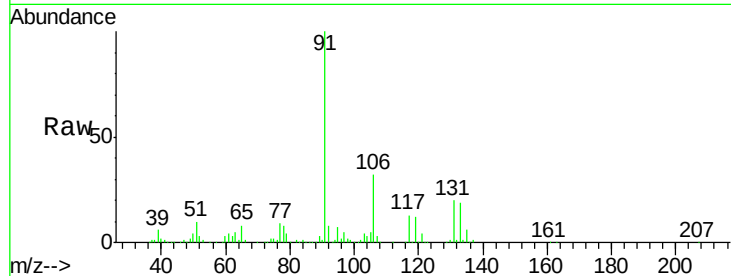
VD0311SBS01

Tgt Ion: 91 Resp: 449934

Ion Ratio Lower Upper

91 100

106 31.5 25.2 37.8



#68

m/p-Xylenes

Concen: 43.98 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065475.D

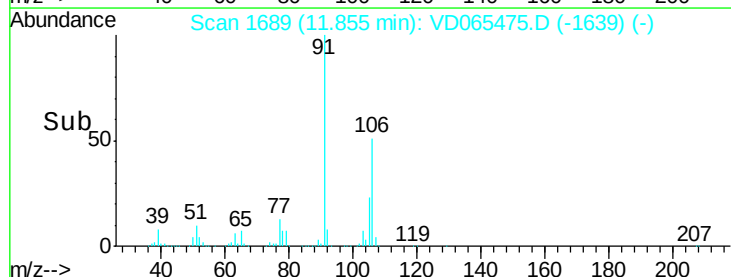
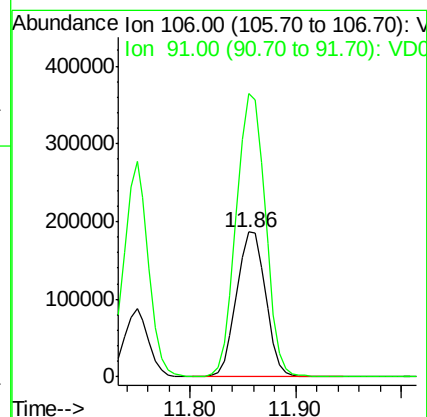
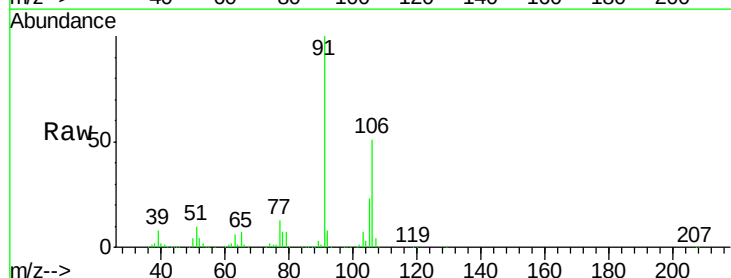
Acq: 11 Mar 2020 12:09

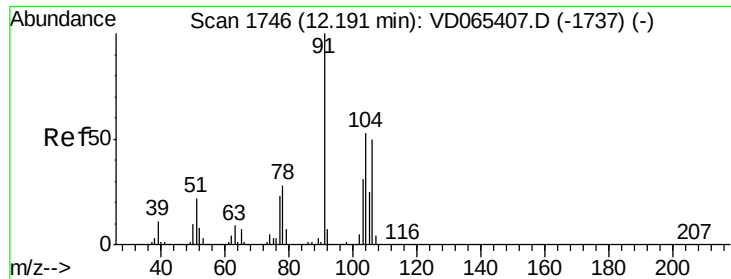
Tgt Ion: 106 Resp: 356149

Ion Ratio Lower Upper

106 100

91 196.1 155.9 233.9

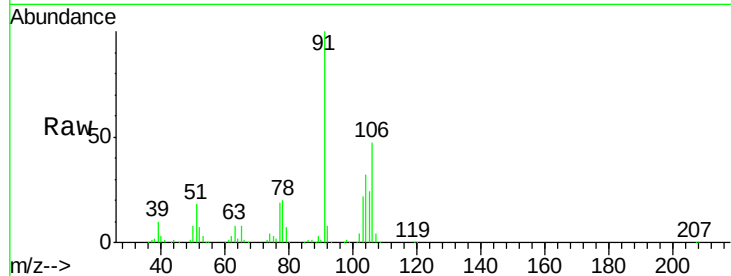




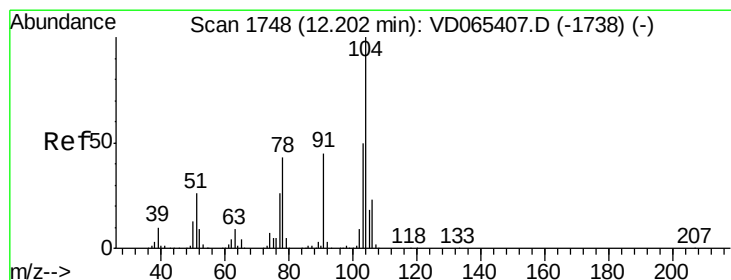
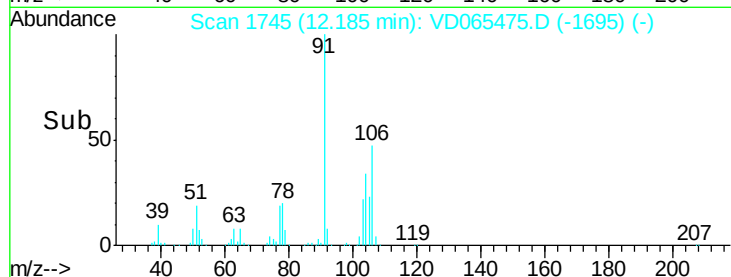
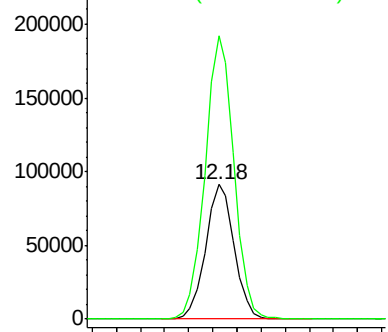
#69
o-Xylene
Concen: 21.15 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tgt Ion:106 Resp: 150628
Ion Ratio Lower Upper
106 100
91 211.3 103.5 310.3

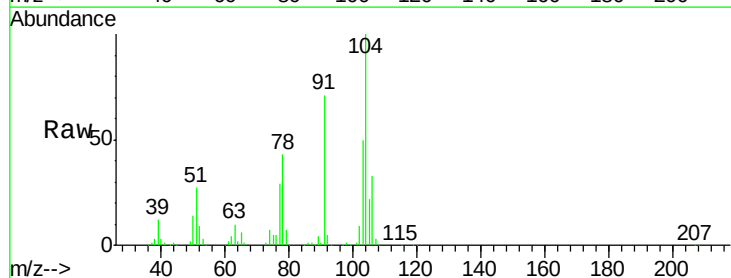


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

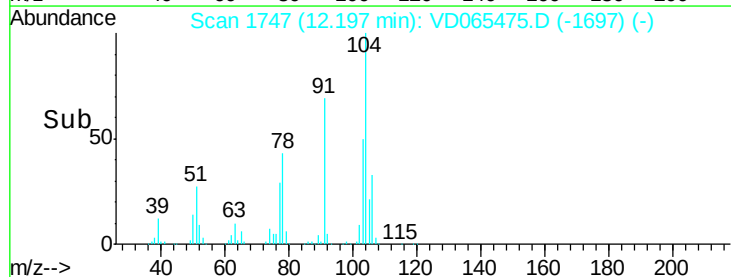
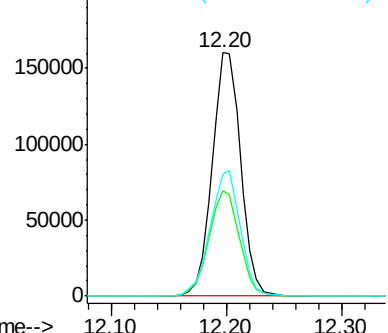


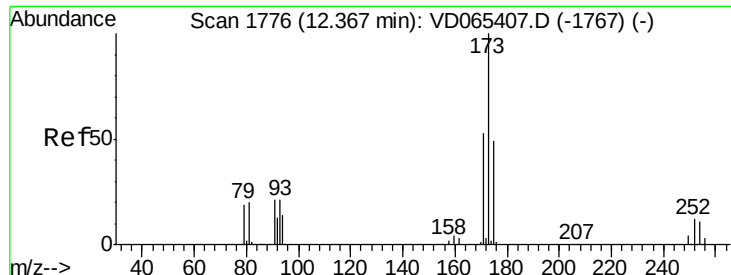
#70
Styrene
Concen: 21.90 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion:104 Resp: 274599
Ion Ratio Lower Upper
104 100
78 46.5 37.7 56.5
103 54.6 43.6 65.4



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





#71

Bromoform

Concen: 21.58 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

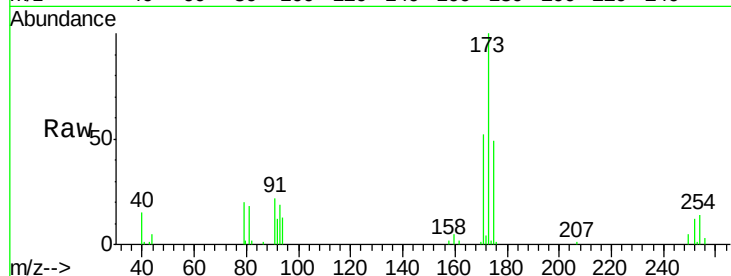
Tgt Ion:173 Resp: 53658

Ion Ratio Lower Upper

173 100

175 48.9 24.3 73.0

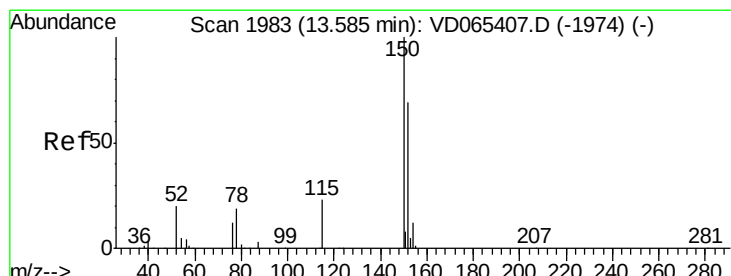
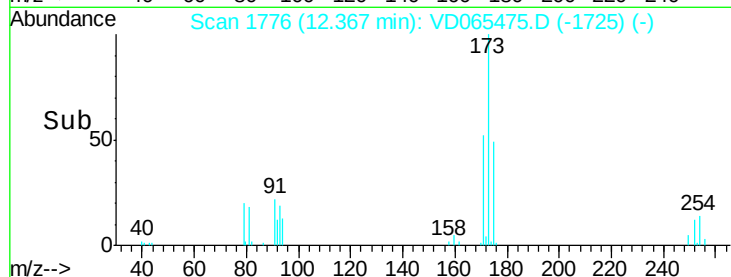
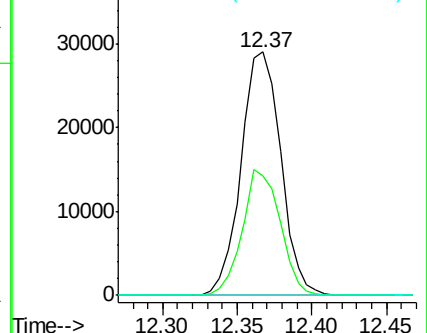
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

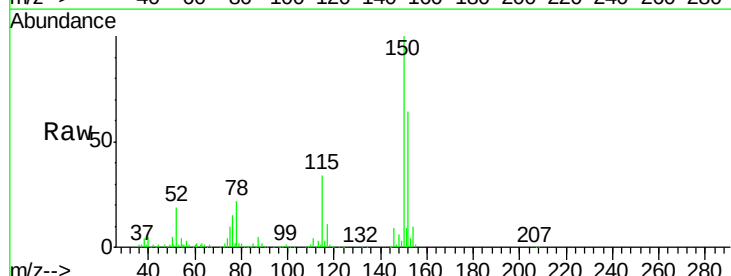
Tgt Ion:152 Resp: 310675

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.8

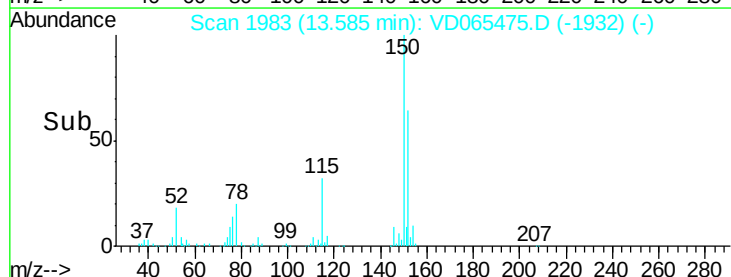
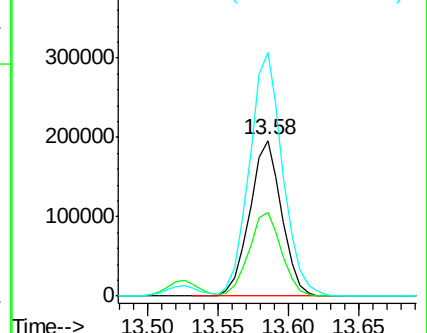
150 162.9 0.0 345.0

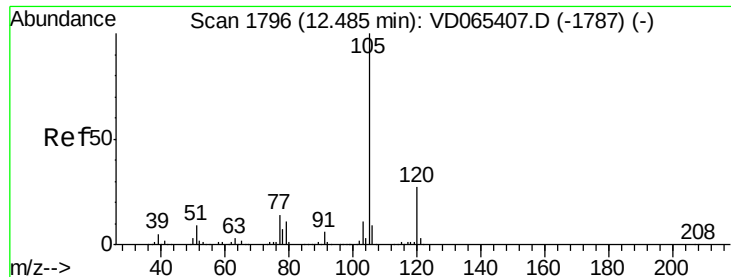


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.83 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

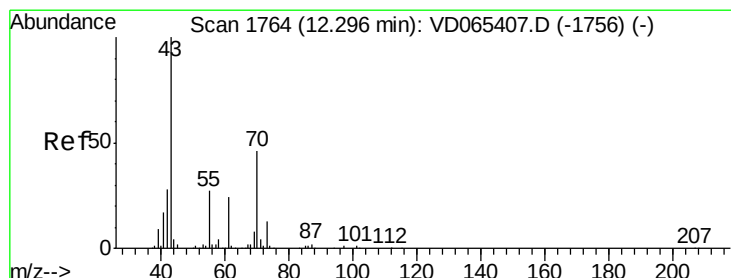
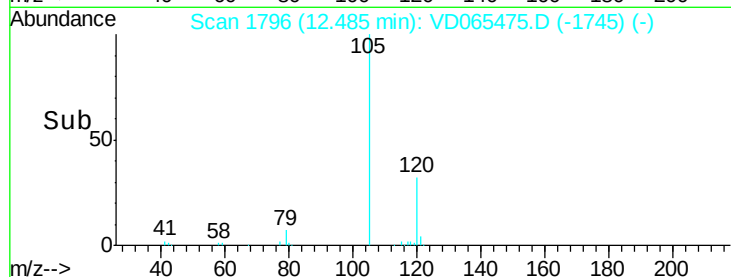
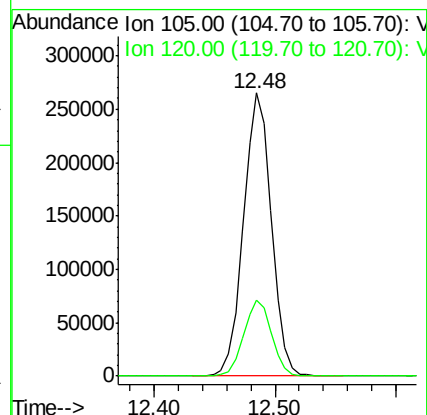
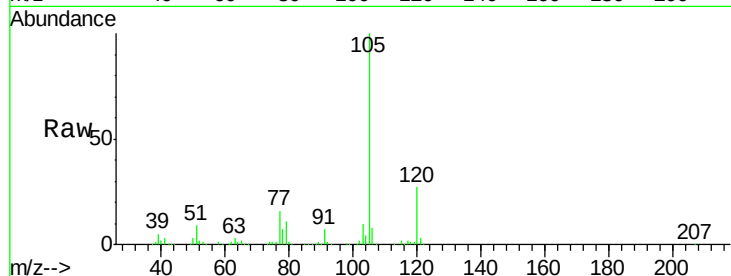
VD0311SBS01

Tgt Ion: 105 Resp: 425749

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#74

N-ethyl acetate

Concen: 19.06 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion: 43 Resp: 79740

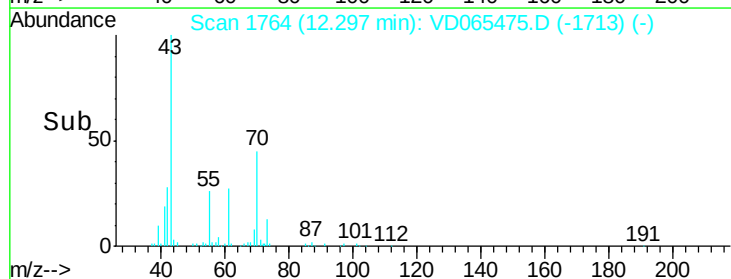
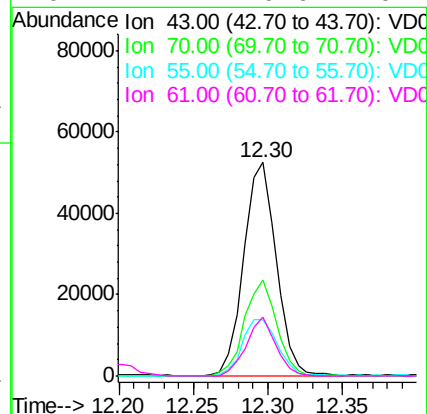
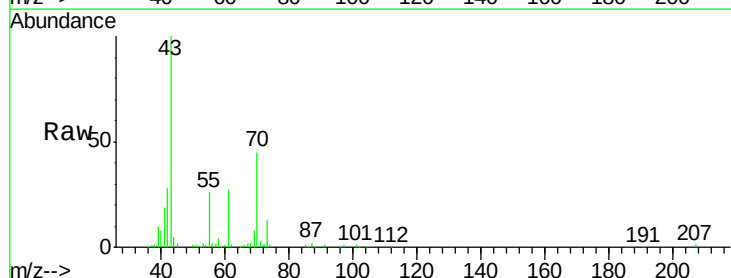
Ion Ratio Lower Upper

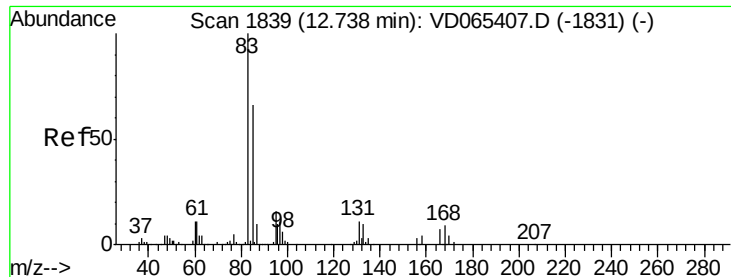
43 100

70 44.3 36.1 54.1

55 28.8 21.6 32.4

61 24.4 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.21 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

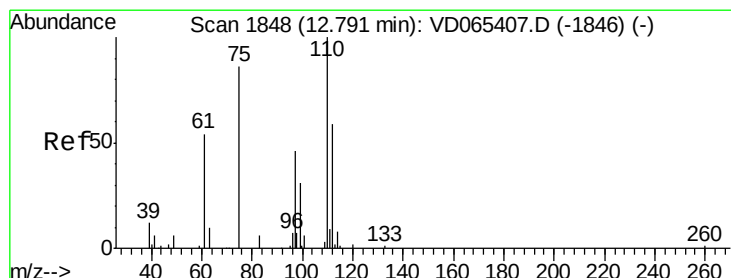
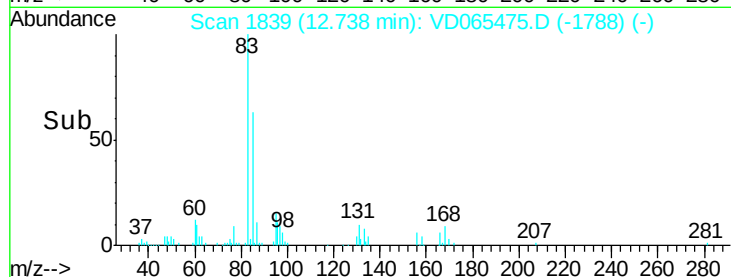
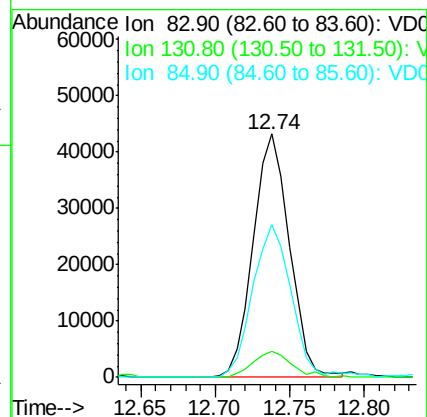
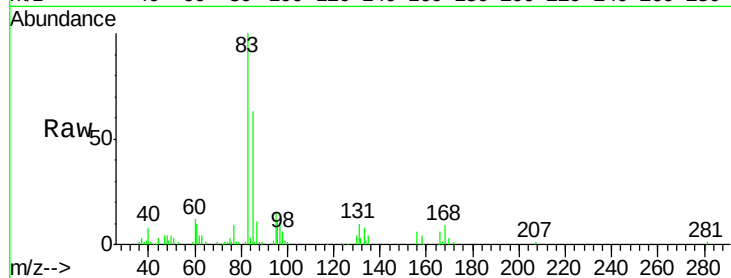
Tgt Ion: 83 Resp: 72606

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

85 67.2 33.0 98.9



#76

1,2,3-Trichloropropane

Concen: 38.38 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065475.D

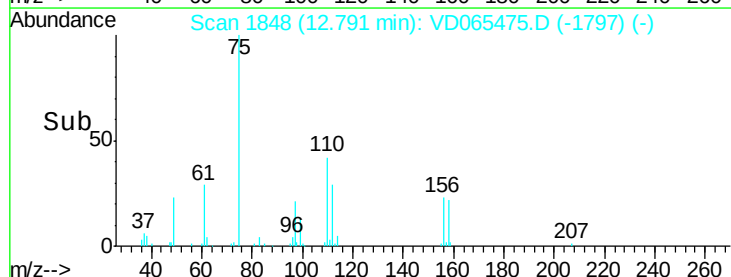
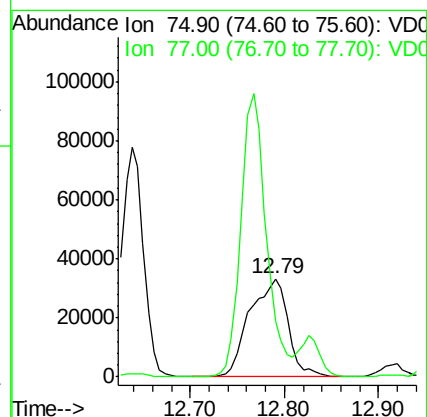
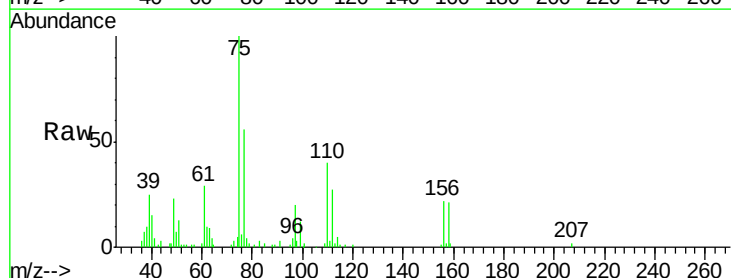
Acq: 11 Mar 2020 12:09

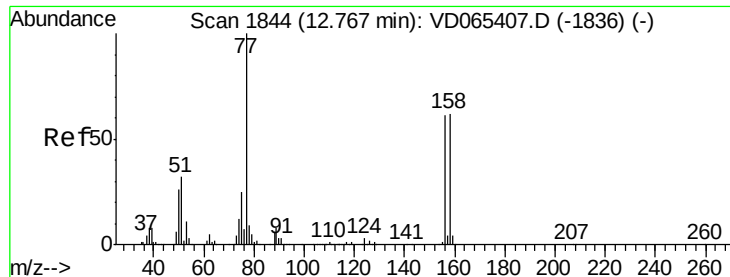
Tgt Ion: 75 Resp: 94084

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.22 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

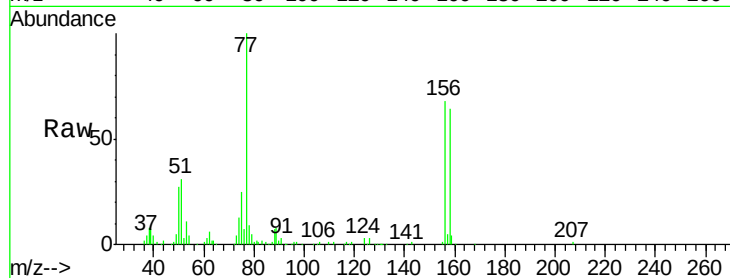
Tgt Ion:156 Resp: 107736

Ion Ratio Lower Upper

156 100

77 168.3 84.9 254.6

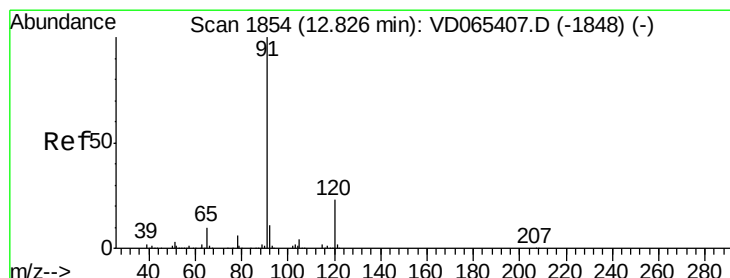
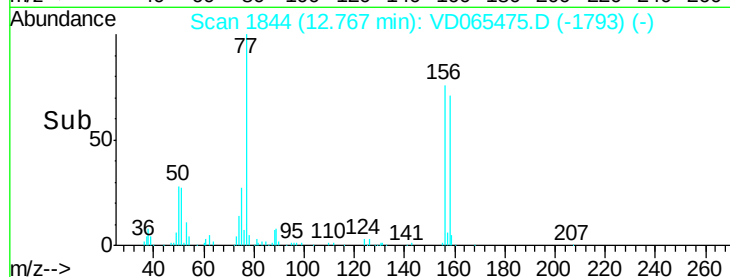
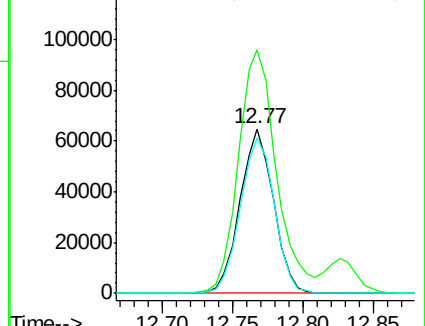
158 96.7 49.0 147.2



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: 21.40 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065475.D

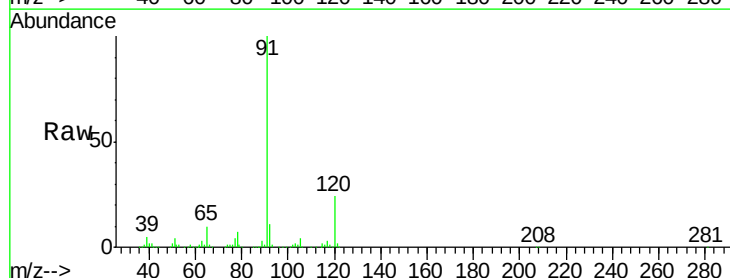
Acq: 11 Mar 2020 12:09

Tgt Ion: 91 Resp: 518826

Ion Ratio Lower Upper

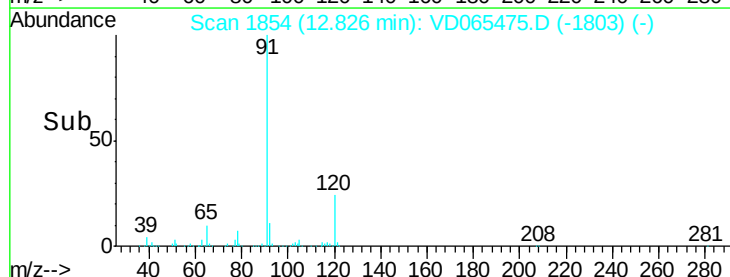
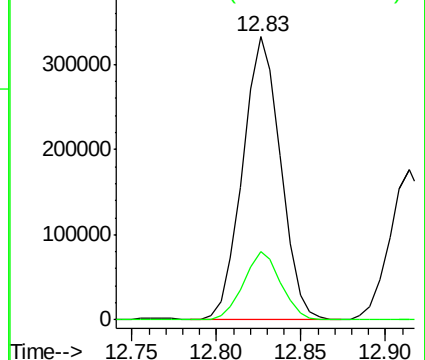
91 100

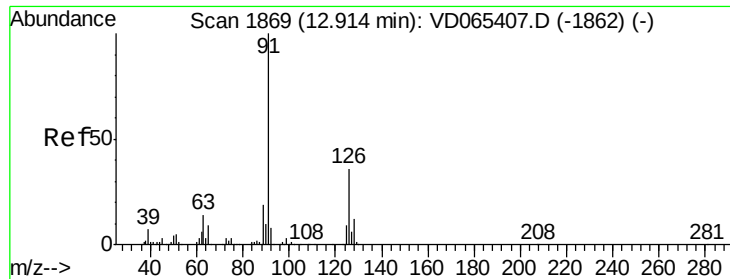
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.93 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

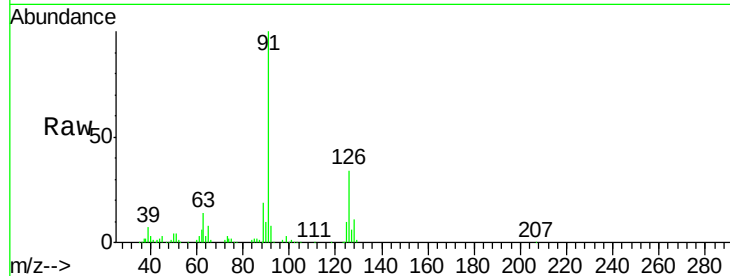
VD0311SBS01

Tgt Ion: 91 Resp: 286038

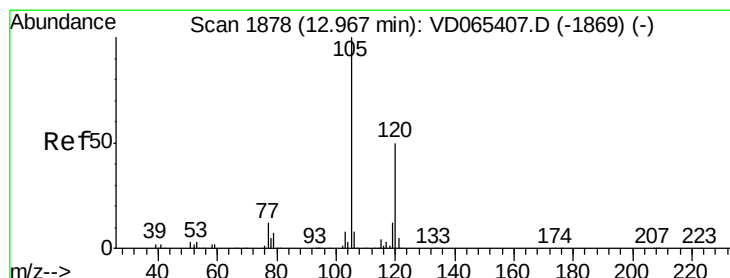
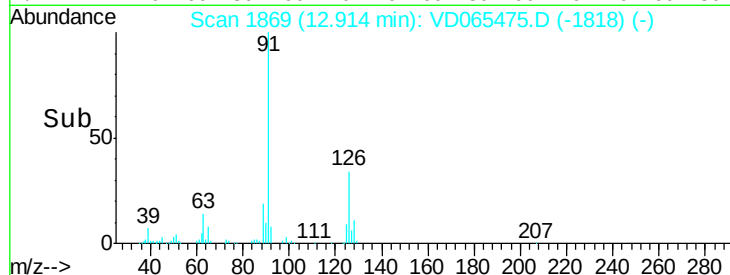
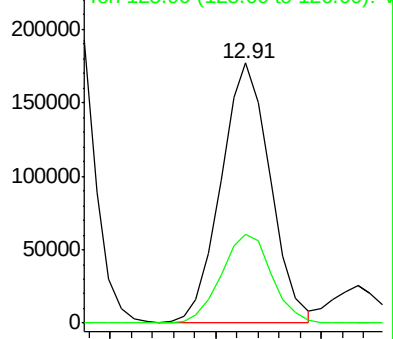
Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.32 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065475.D

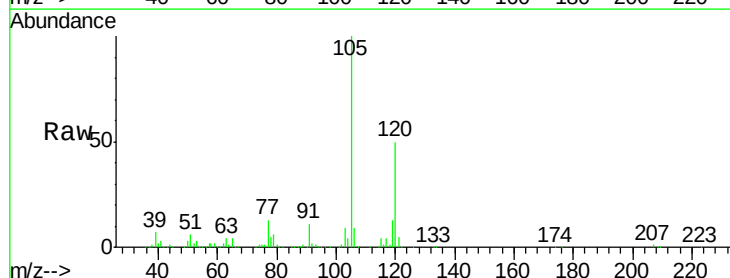
Acq: 11 Mar 2020 12:09

Tgt Ion: 105 Resp: 358124

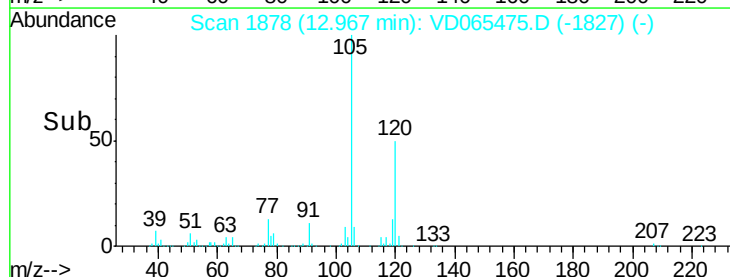
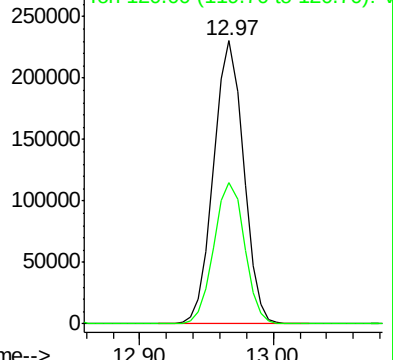
Ion Ratio Lower Upper

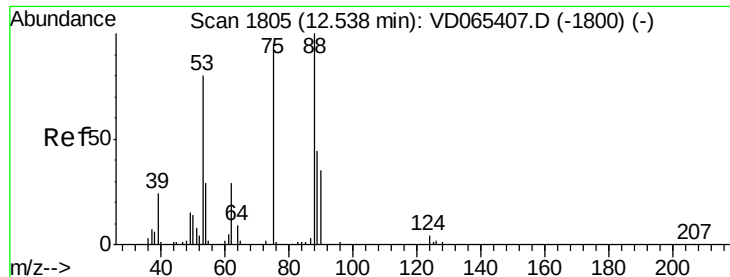
105 100

120 51.3 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.37 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

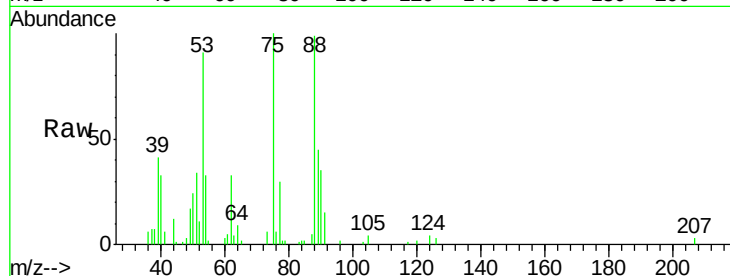
Tgt Ion: 75 Resp: 22498

Ion Ratio Lower Upper

75 100

53 91.2 71.3 106.9

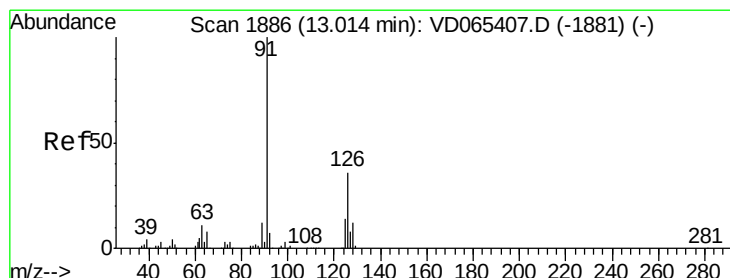
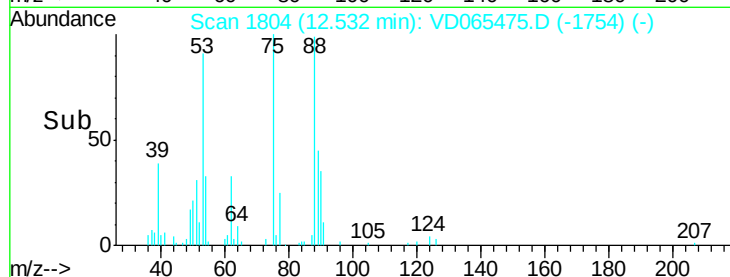
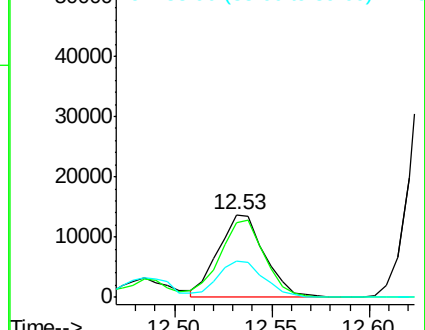
89 44.4 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.74 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065475.D

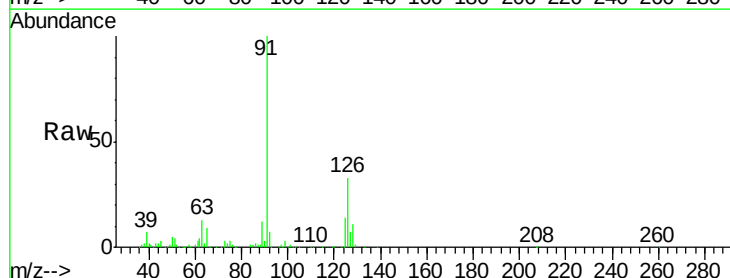
Acq: 11 Mar 2020 12:09

Tgt Ion: 91 Resp: 312199

Ion Ratio Lower Upper

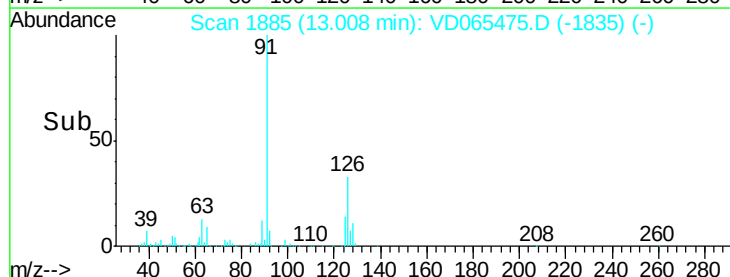
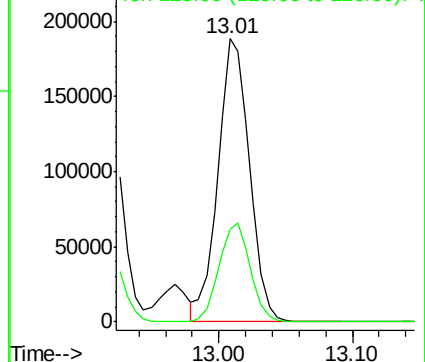
91 100

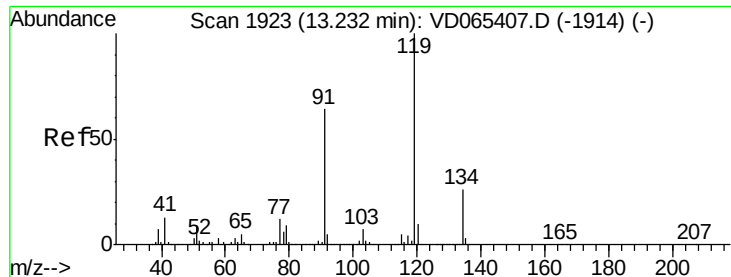
126 34.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

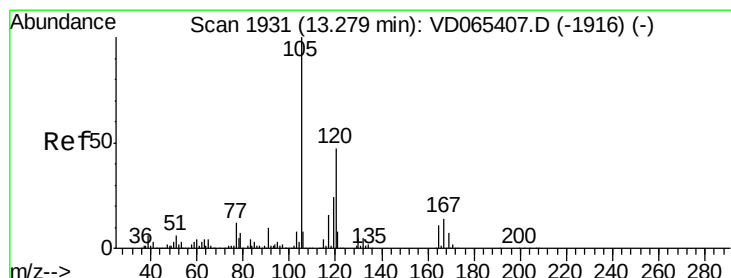
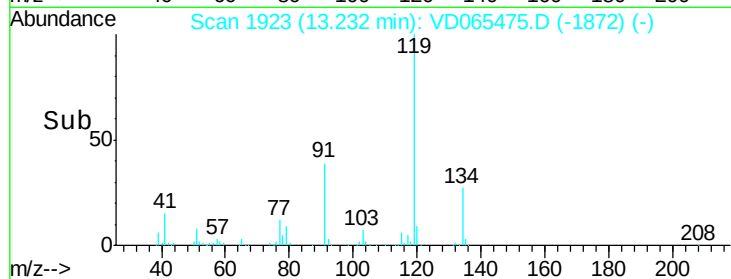
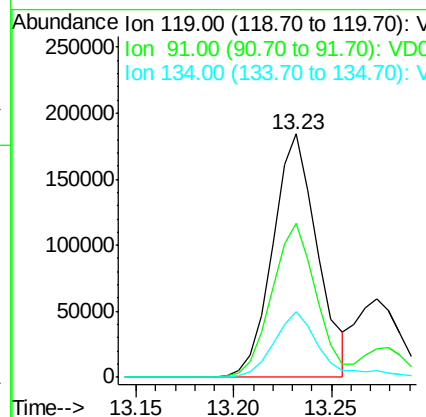
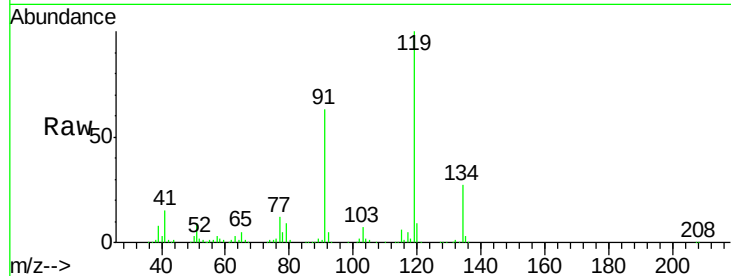




#83
 tert-Butylbenzene
 Concen: 20.55 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

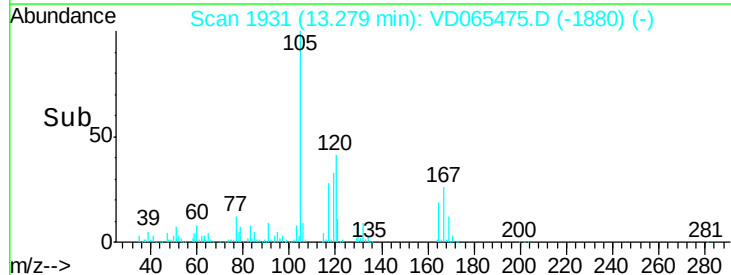
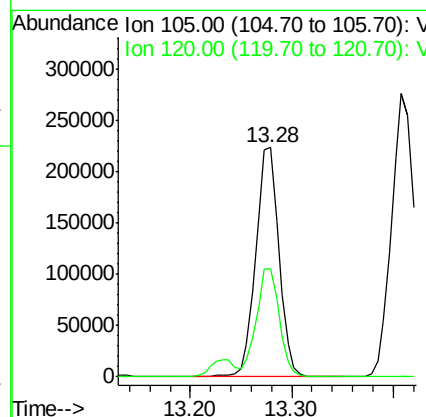
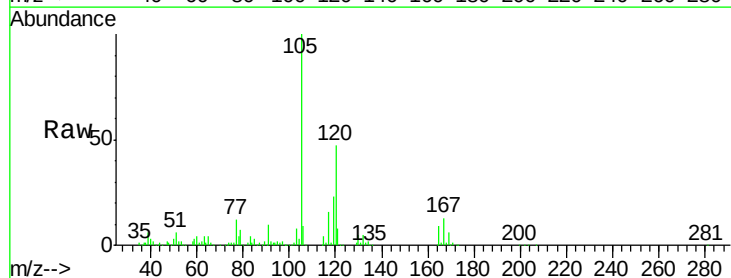
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

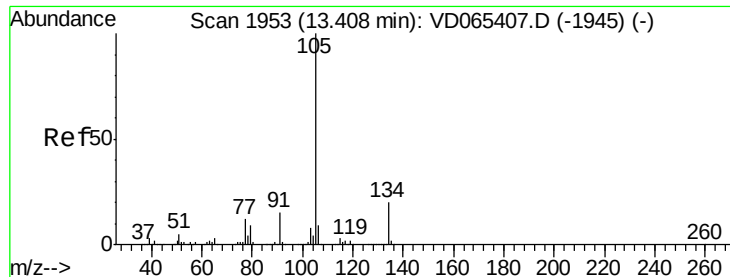
Tgt Ion:119 Resp: 292049
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.6 95.0
 134 28.2 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.62 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion:105 Resp: 358044
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 21.31 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

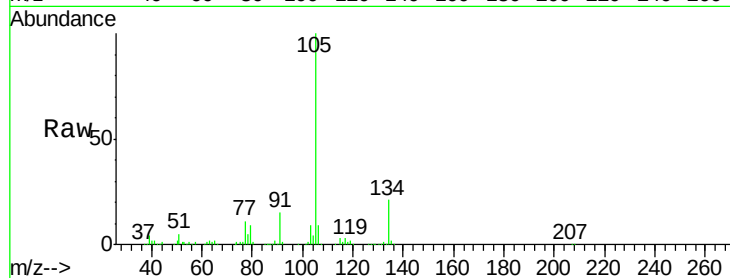
VD0311SBS01

Tgt Ion:105 Resp: 432405

Ion Ratio Lower Upper

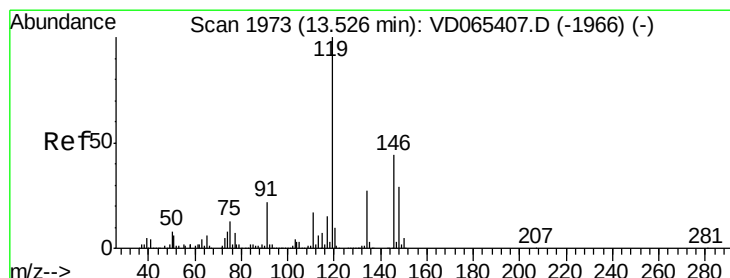
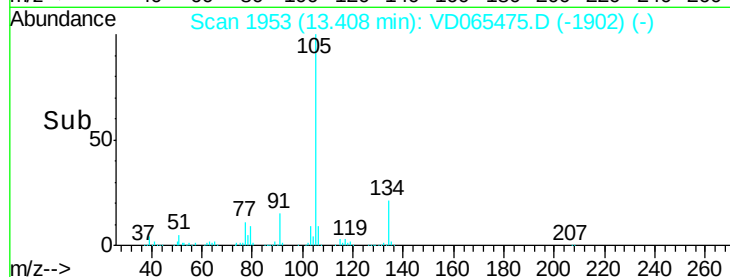
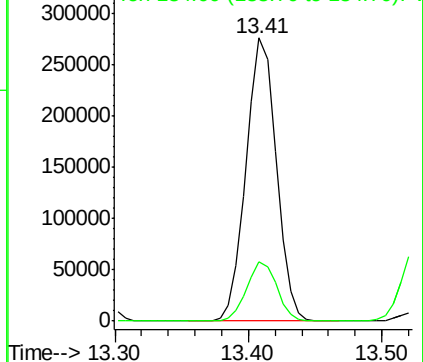
105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.12 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

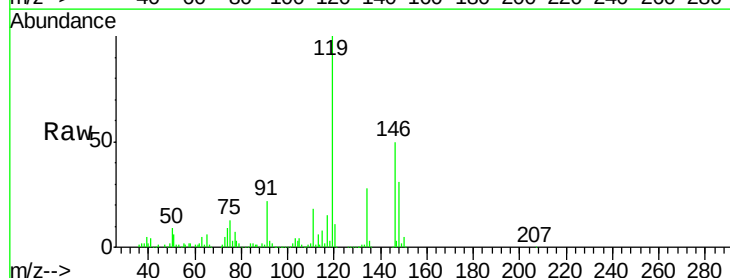
Tgt Ion:119 Resp: 390975

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

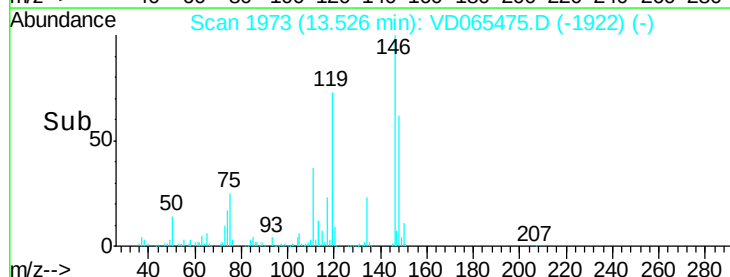
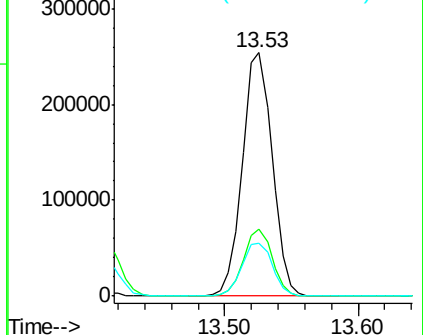
91 22.3 10.9 32.6

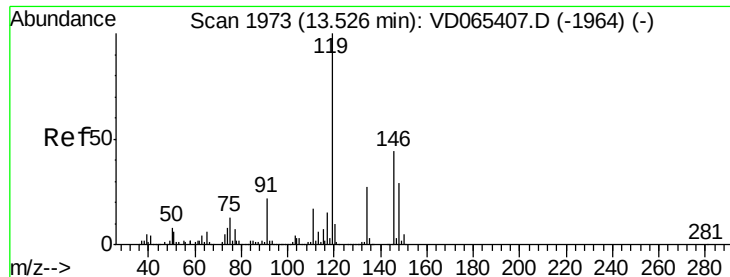


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

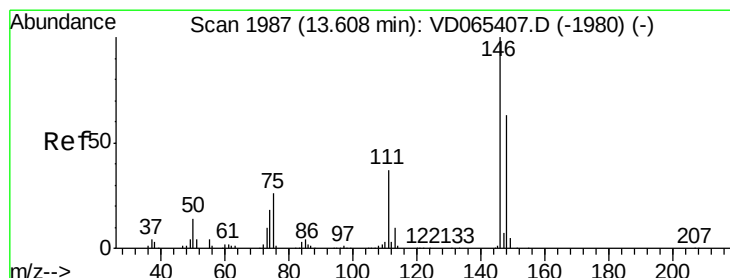
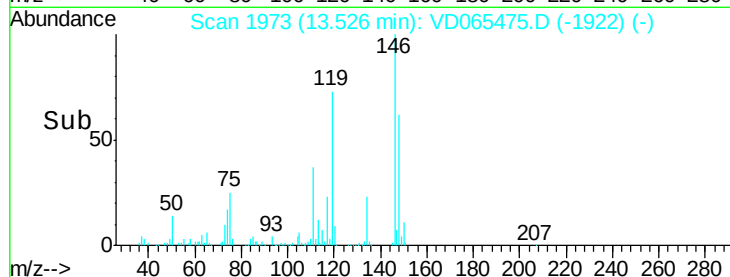
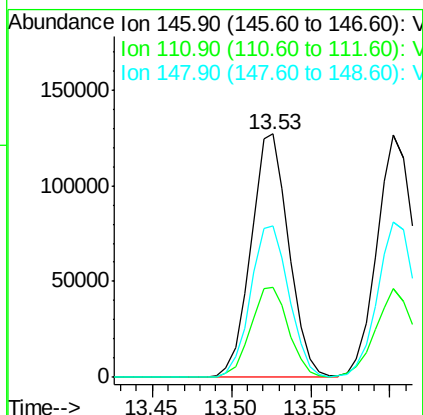
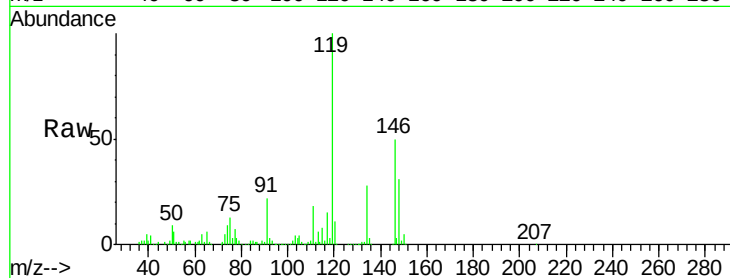




#87
 1,3-Dichlorobenzene
 Concen: 21.60 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

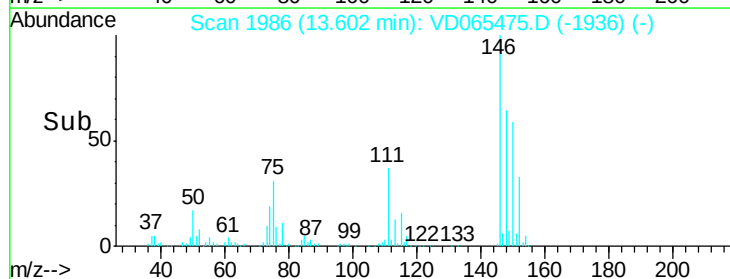
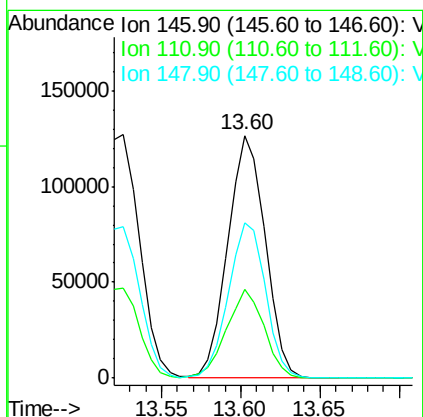
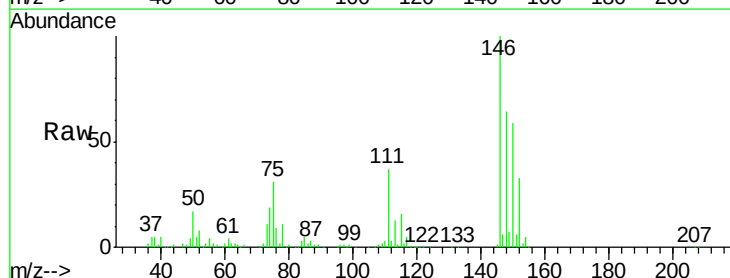
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

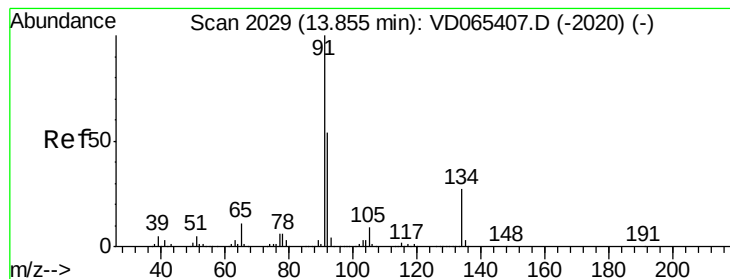
Tgt Ion:146 Resp: 210790
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.1 57.1
 148 63.1 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.37 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion:146 Resp: 207517
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.5 55.5
 148 63.4 32.0 96.0





#89

n-Butylbenzene

Concen: 20.90 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

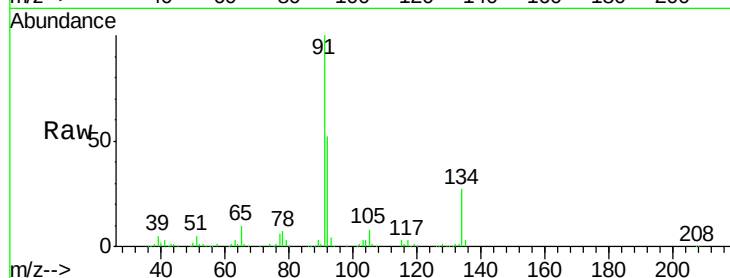
Tgt Ion: 91 Resp: 357756

Ion Ratio Lower Upper

91 100

92 52.8 26.8 80.4

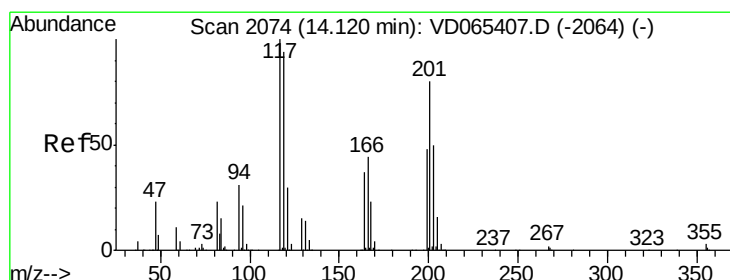
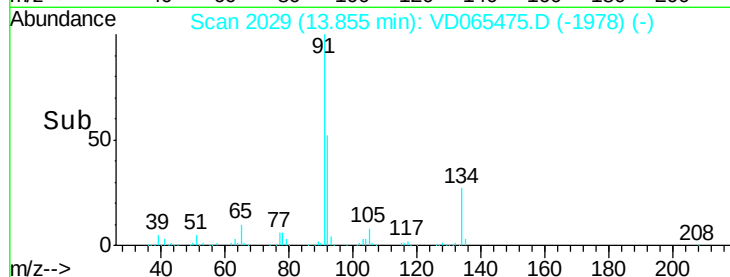
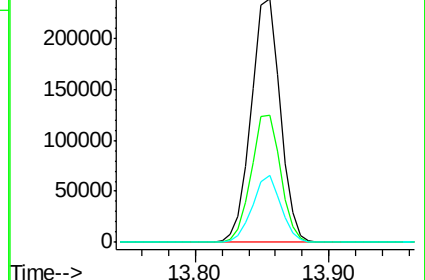
134 26.9 13.4 40.2



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: 21.14 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065475.D

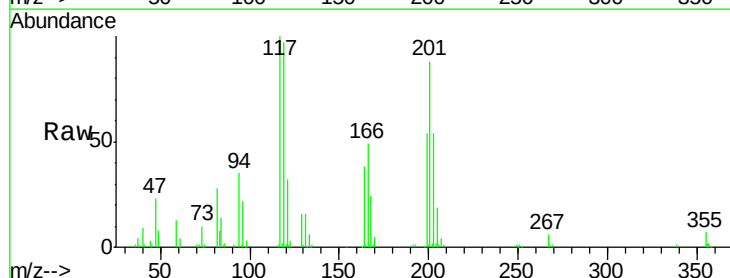
Acq: 11 Mar 2020 12:09

Tgt Ion: 117 Resp: 80576

Ion Ratio Lower Upper

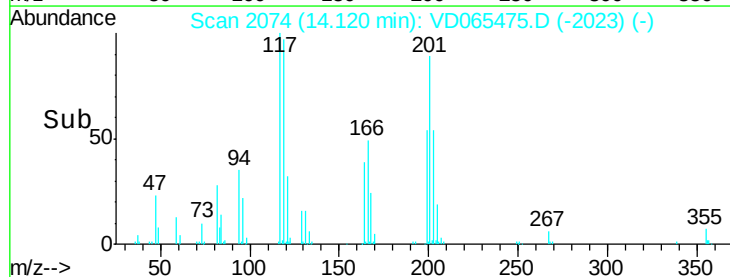
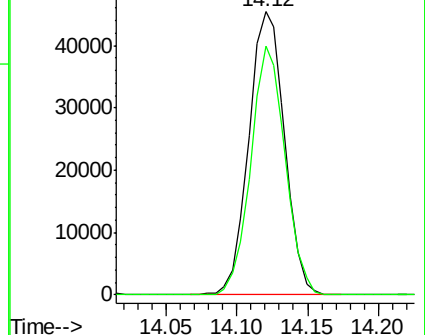
117 100

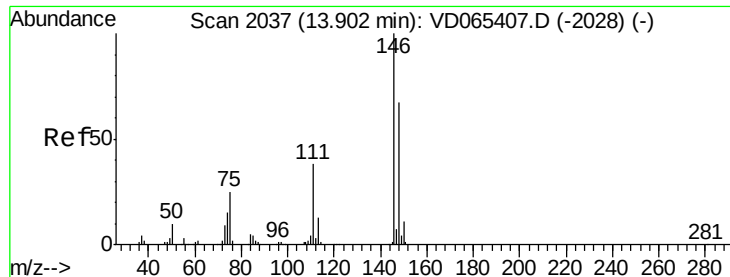
201 84.5 41.9 125.6



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

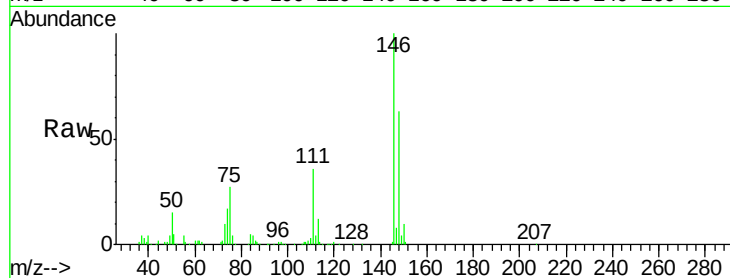




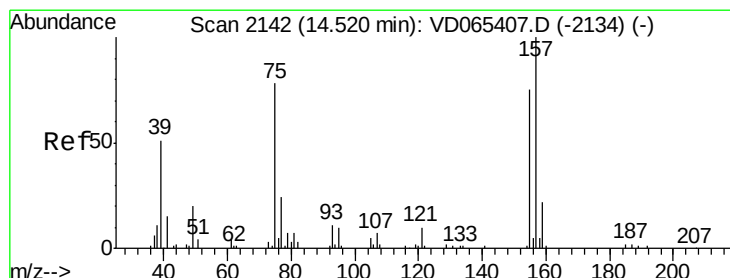
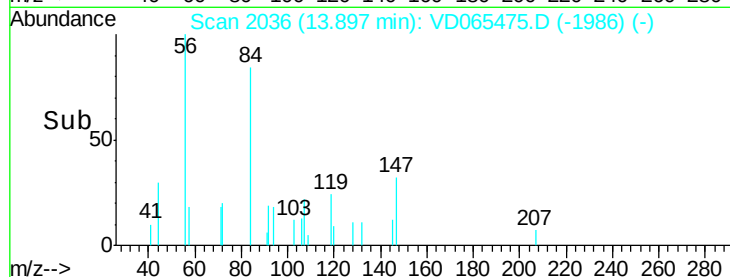
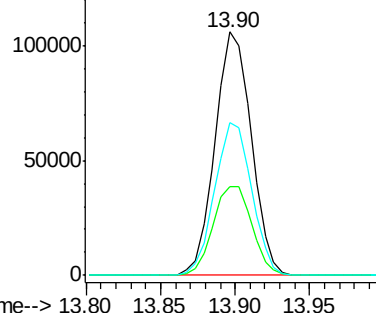
#91
 1,2-Dichlorobenzene
 Concen: 21.51 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.3
148	64.1	32.6	97.8

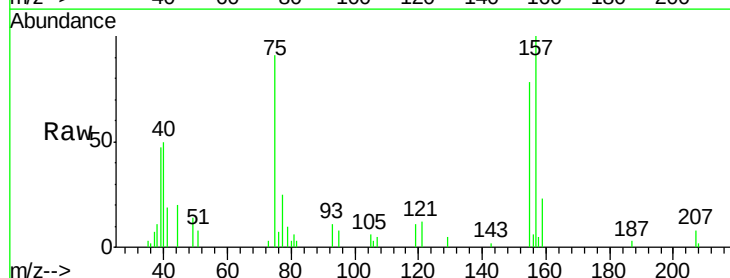


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

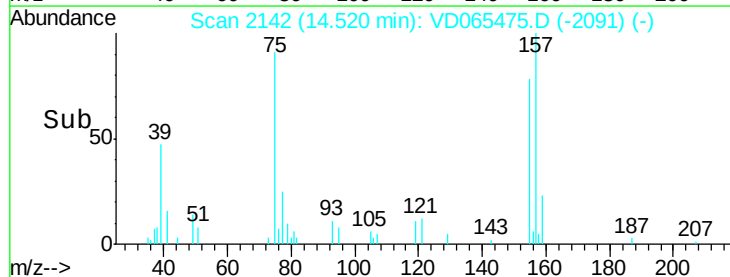
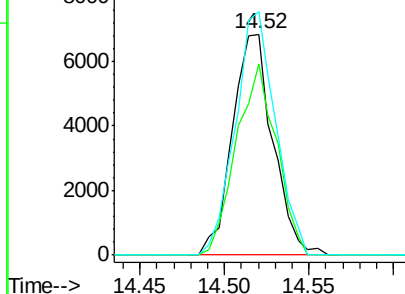


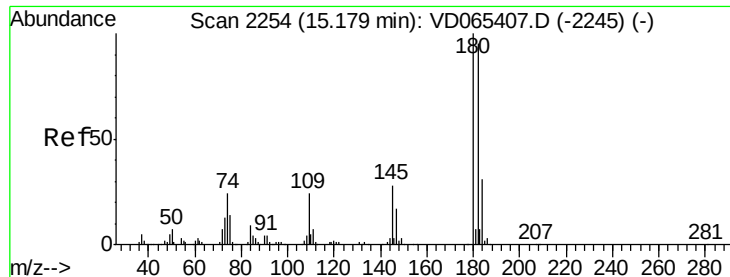
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.82 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	46.4	139.1
157	109.8	60.2	180.4



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

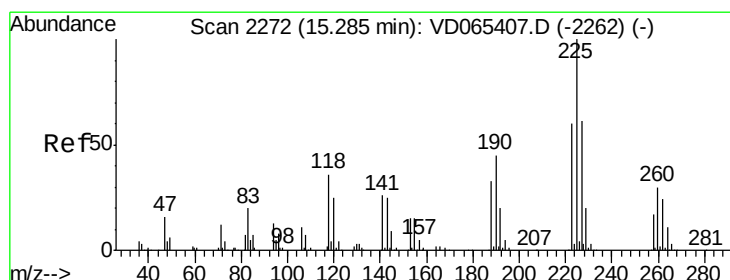
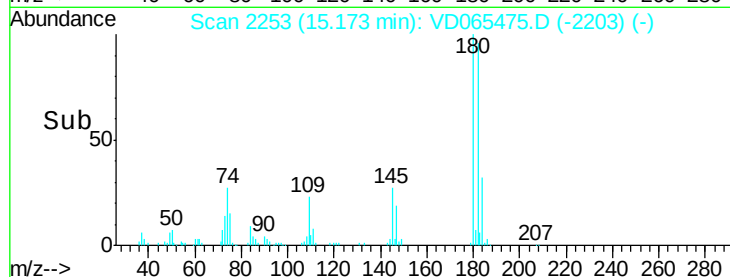
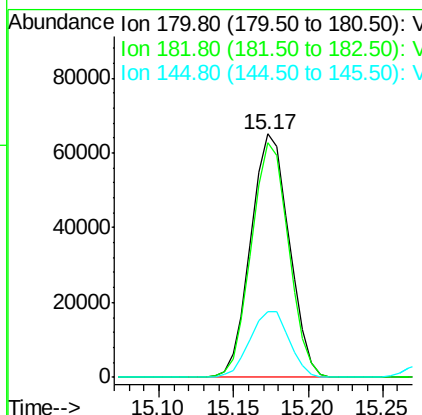
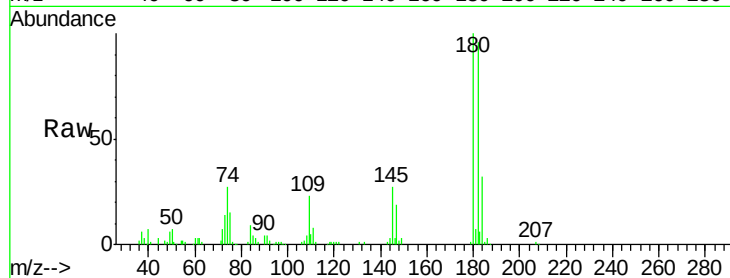




#93
 1,2,4-Trichlorobenzene
 Concen: 20.61 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

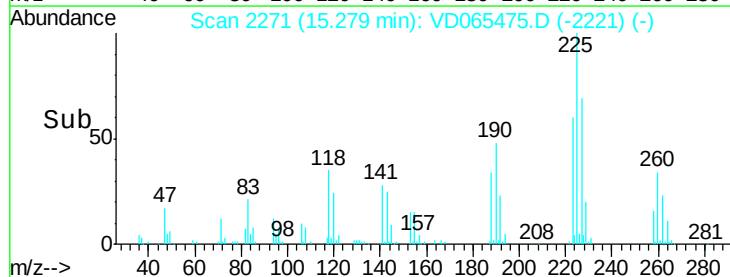
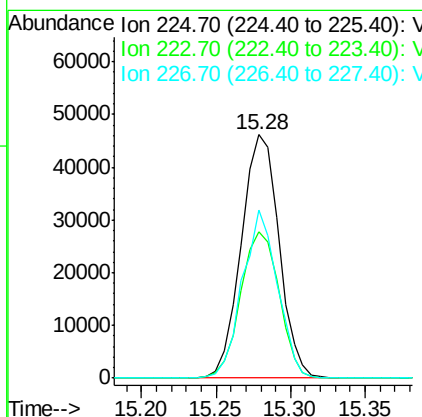
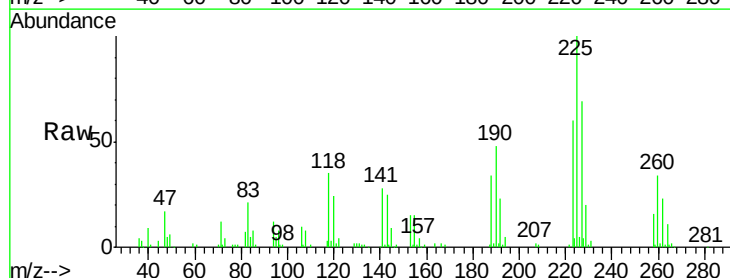
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

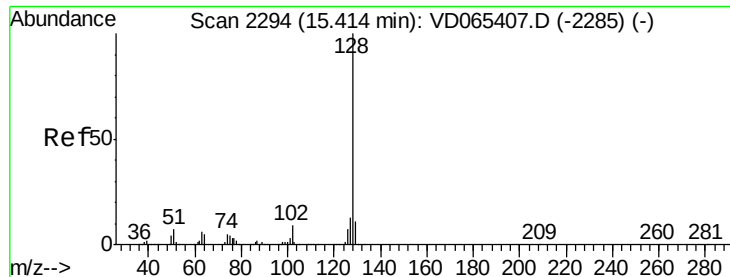
Tgt Ion:180 Resp: 116014
 Ion Ratio Lower Upper
 180 100
 182 93.4 48.3 144.9
 145 27.8 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 21.91 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion:225 Resp: 81064
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.9 92.5
 227 63.8 31.6 94.7





#95

Naphthalene

Concen: 19.99 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

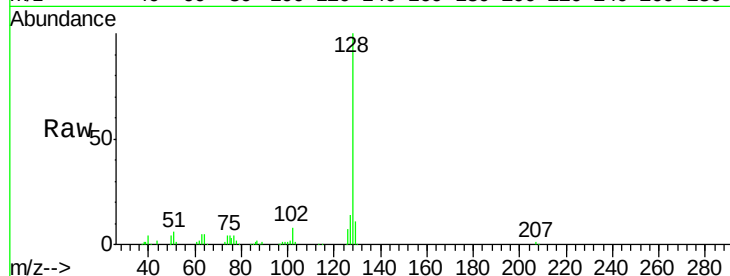
Tgt Ion:128 Resp: 171437

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

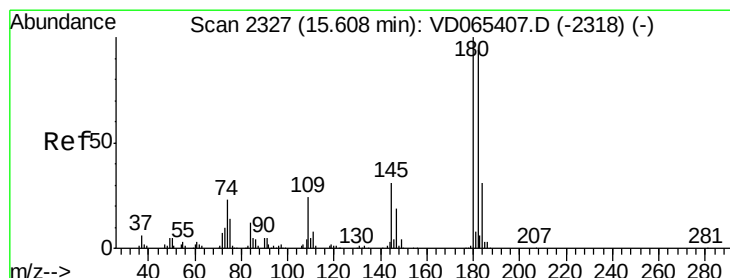
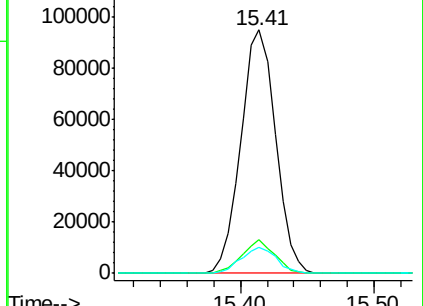
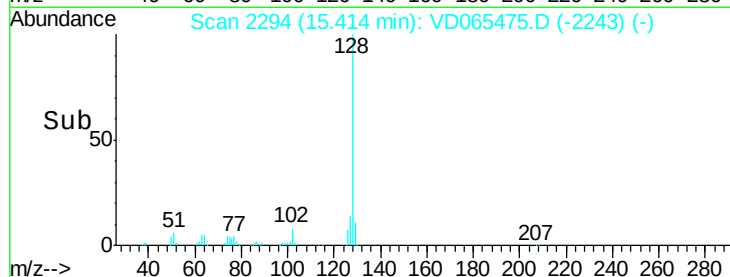
129 10.7 8.7 13.1



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: 20.90 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

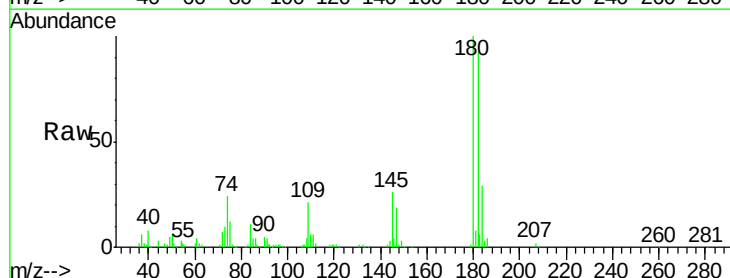
Tgt Ion:180 Resp: 101683

Ion Ratio Lower Upper

180 100

182 93.5 46.9 140.6

145 29.2 15.0 45.1



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

