

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065387.D
 Acq On : 03 Mar 2020 11:47
 Operator : VA/SY
 Sample : VD0303SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 04:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	460684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	668745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	608472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	194441	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	7.92	113	206277	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.34	98	803067	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.64	95	257525	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68889	17.829	ug/l	96
3) Chloromethane	2.21	50	89430	18.184	ug/l	97
4) Vinyl Chloride	2.35	62	91139	18.224	ug/l	98
5) Bromomethane	2.76	94	58926	19.488	ug/l	98
6) Chloroethane	2.92	64	57436	18.815	ug/l	96
7) Trichlorofluoromethane	3.27	101	144973	20.248	ug/l	100
8) Diethyl Ether	3.71	74	44543	20.610	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	95725	21.171	ug/l	99
10) Methyl Iodide	4.30	142	96793	20.618	ug/l	99
11) Tert butyl alcohol	5.24	59	28859	116.531	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	85977	20.129	ug/l	94
13) Acrolein	3.92	56	32142	86.867	ug/l	100
14) Allyl chloride	4.71	41	136172	19.632	ug/l	97
15) Acrylonitrile	5.43	53	101600	106.181	ug/l	99
16) Acetone	4.16	43	89930	88.769	ug/l	99
17) Carbon Disulfide	4.40	76	263451	18.398	ug/l	99
18) Methyl Acetate	4.71	43	52940	23.235	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	179003	20.097	ug/l	99
20) Methylene Chloride	4.96	84	105376	20.660	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	98524	20.291	ug/l	97
22) Diisopropyl ether	6.37	45	273309	20.440	ug/l	98
23) Vinyl Acetate	6.31	43	717620	97.351	ug/l	98
24) 1,1-Dichloroethane	6.27	63	168171	20.277	ug/l	97
25) 2-Butanone	7.23	43	120485	93.999	ug/l	98
26) 2,2-Dichloropropane	7.21	77	147711	20.527	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102281	19.886	ug/l	98
28) Bromochloromethane	7.55	49	56622	18.402	ug/l	96
29) Tetrahydrofuran	7.57	42	78107	104.001	ug/l	100
30) Chloroform	7.71	83	172129	20.600	ug/l	99
31) Cyclohexane	7.98	56	158428	19.442	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	156514	20.936	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137032	21.059	ug/l	99
37) Ethyl Acetate	7.30	43	54857	20.167	ug/l	99
38) Carbon Tetrachloride	8.10	117	145590	21.979	ug/l	95

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 MSVOA_D
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Quant Time: Mar 04 04:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157404	20.576	ug/l	98
40) Benzene	8.36	78	390923	21.285	ug/l	98
41) Methacrylonitrile	7.57	41	76850	48.929	ug/l #	21
42) 1,2-Dichloroethane	8.43	62	107223	21.236	ug/l	98
43) Isopropyl Acetate	8.46	43	102162	20.653	ug/l	98
44) Trichloroethene	9.11	130	110500	21.705	ug/l	95
45) 1,2-Dichloropropane	9.39	63	96876	21.212	ug/l	95
46) Dibromomethane	9.48	93	50884	21.655	ug/l	98
47) Bromodichloromethane	9.67	83	134168	21.666	ug/l	99
48) Methyl methacrylate	9.46	41	47389	20.726	ug/l	92
49) 1,4-Dioxane	9.47	88	11106	402.982	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	267565	106.496	ug/l	100
52) Toluene	10.41	92	252055	22.171	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122763	21.388	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	147845	21.330	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	73784	22.309	ug/l	98
56) Ethyl methacrylate	10.67	69	81071	21.237	ug/l	98
57) 1,3-Dichloropropane	10.95	76	123973	22.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	117957	98.010	ug/l	98
59) 2-Hexanone	10.99	43	184576	102.628	ug/l	96
60) Dibromochloromethane	11.14	129	92664	21.890	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69166	22.088	ug/l	99
64) Tetrachloroethene	10.88	164	96396	22.337	ug/l	93
65) Chlorobenzene	11.67	112	264710	21.679	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	100859	22.135	ug/l	98
67) Ethyl Benzene	11.75	91	456770	21.359	ug/l	99
68) m/p-Xylenes	11.86	106	363911	44.478	ug/l	97
69) o-Xylene	12.18	106	156340	21.568	ug/l	99
70) Styrene	12.20	104	287843	22.366	ug/l	99
71) Bromoform	12.37	173	56631	22.397	ug/l #	97
73) Isopropylbenzene	12.48	105	433390	21.210	ug/l	100
74) N-amyl acetate	12.30	43	90076	19.839	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	79543	21.570	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	100517	38.278	ug/l #	100
77) Bromobenzene	12.77	156	109470	21.575	ug/l	99
78) n-propylbenzene	12.83	91	532027	21.667	ug/l	98
79) 2-Chlorotoluene	12.91	91	294891	21.437	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	367625	21.844	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25268	20.776	ug/l	94
82) 4-Chlorotoluene	13.01	91	312131	21.373	ug/l	99
83) tert-Butylbenzene	13.23	119	302244	21.428	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	359988	21.371	ug/l	99
85) sec-Butylbenzene	13.41	105	433740	21.340	ug/l	100
86) p-Isopropyltoluene	13.53	119	402299	21.644	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	211770	21.589	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	207381	21.421	ug/l	97
89) n-Butylbenzene	13.86	91	363494	21.223	ug/l	100
90) Hexachloroethane	14.12	117	81862	21.691	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	181828	21.589	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11838	20.831	ug/l	99

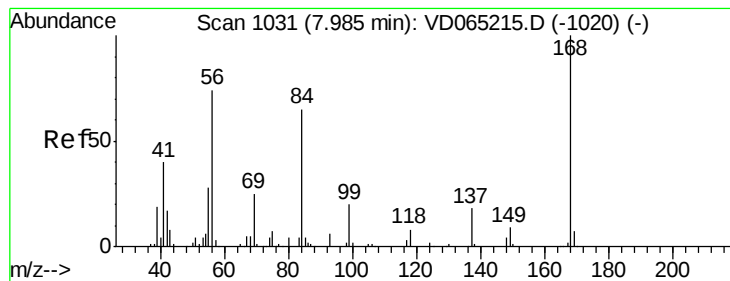
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	120678	21.905	ug/l	99
94) Hexachlorobutadiene	15.28	225	79588	22.520	ug/l	99
95) Naphthalene	15.41	128	190126	21.229	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	106131	22.058	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

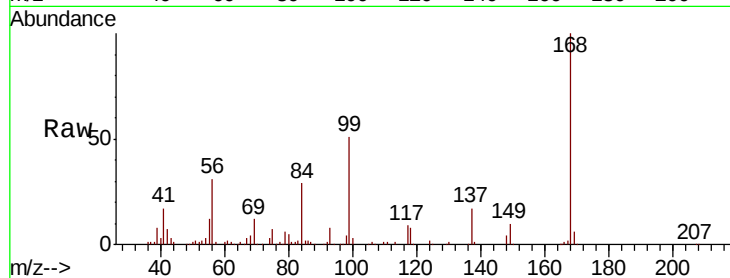
ClientSampleId :

Tot Ion:168 Resp: 460684

Ion Ratio Lower Upper

168 100

99 50.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

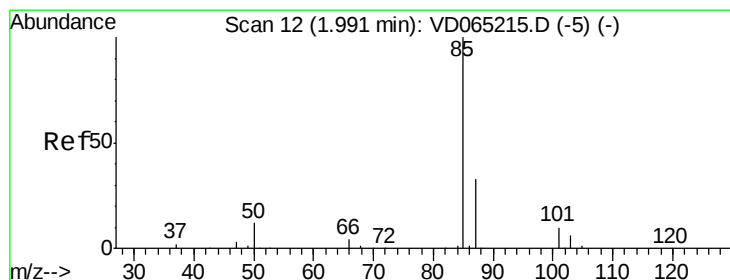
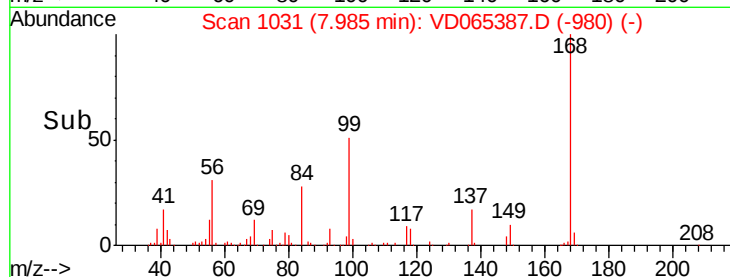
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.829 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065387.D

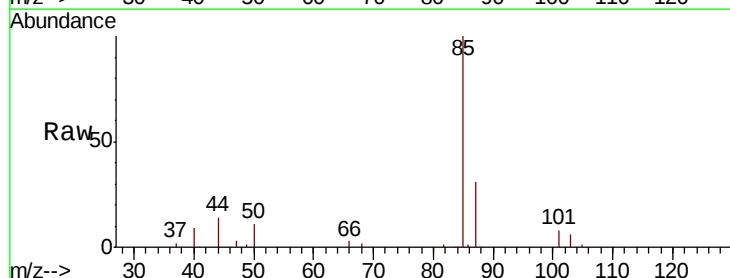
Acq: 03 Mar 2020 11:47

Tgt Ion: 85 Resp: 68889

Ion Ratio Lower Upper

85 100

87 30.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

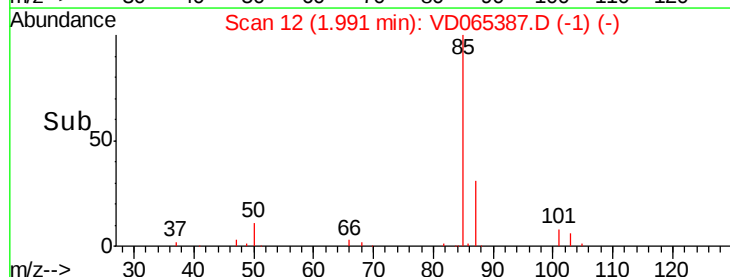
20000

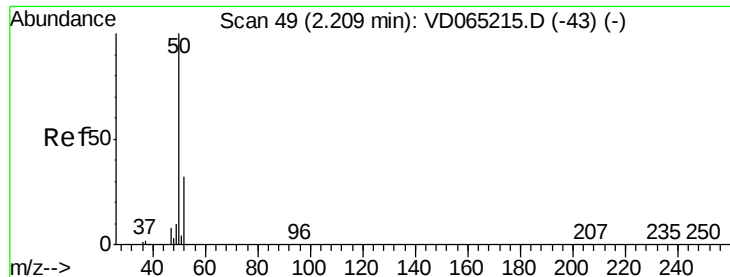
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.184 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

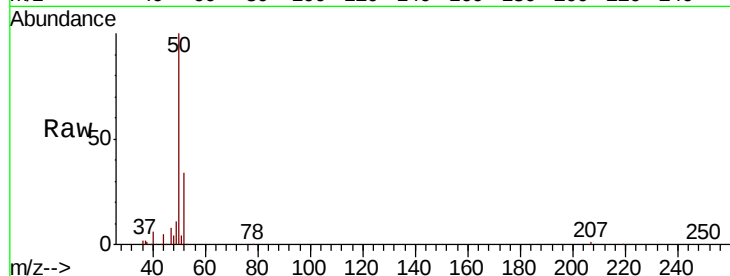
ClientSampleId :

Tot Ion: 50 Resp: 89430

Ion Ratio Lower Upper

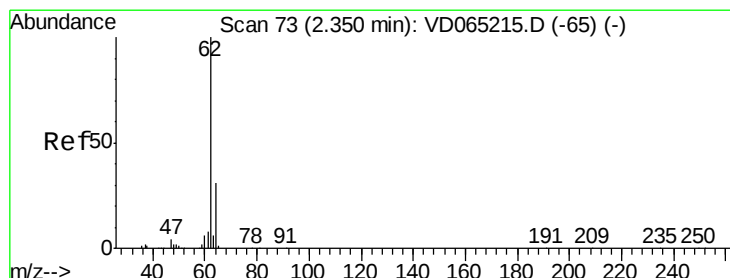
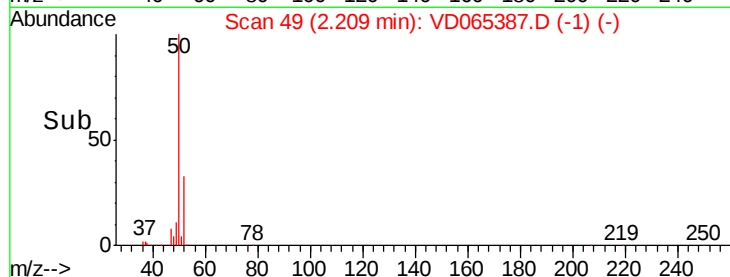
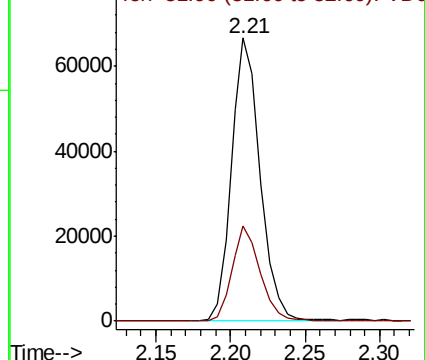
50 100

52 33.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.224 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065387.D

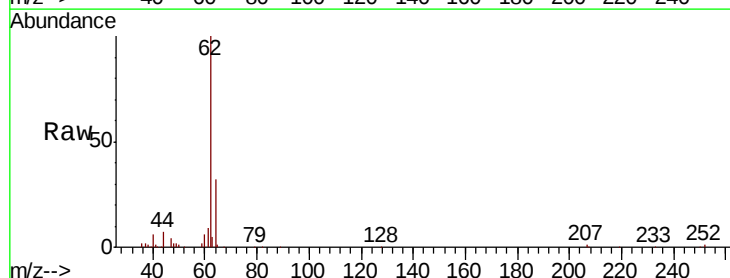
Acq: 03 Mar 2020 11:47

Tgt Ion: 62 Resp: 91139

Ion Ratio Lower Upper

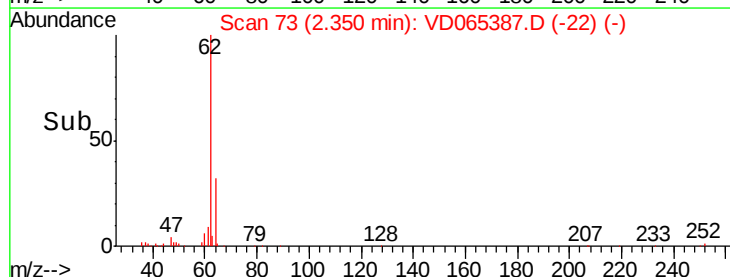
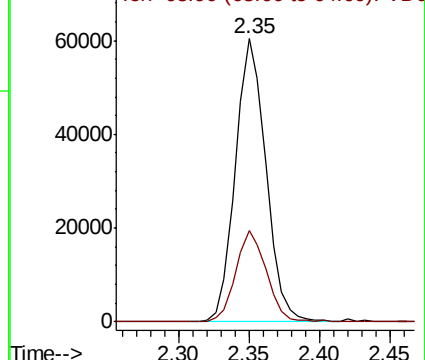
62 100

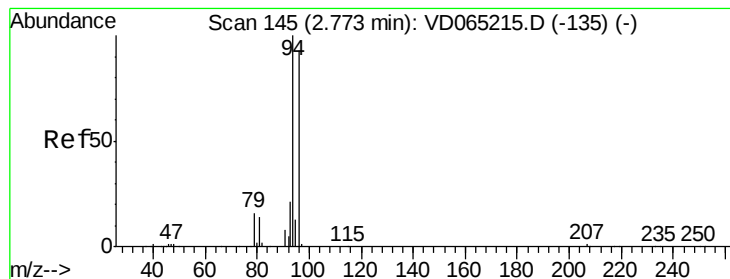
64 32.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.488 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

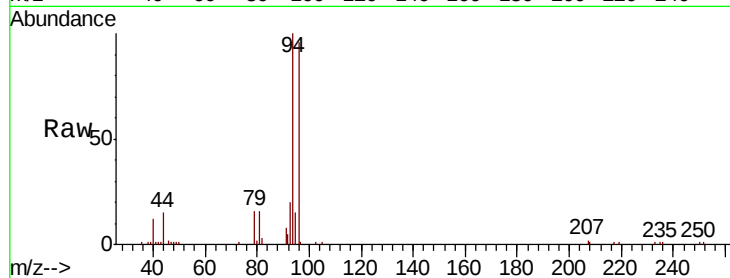
ClientSampled :

Tot Ion: 94 Resp: 58926

Ion Ratio Lower Upper

94 100

96 94.8 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

10000

5000

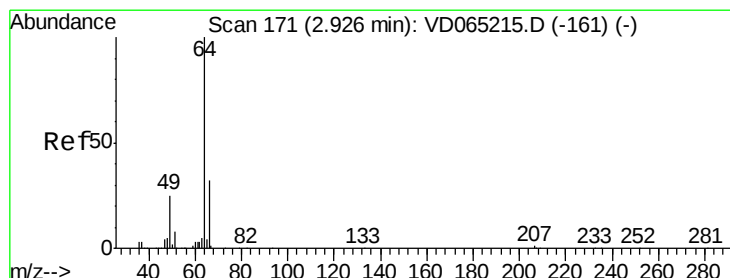
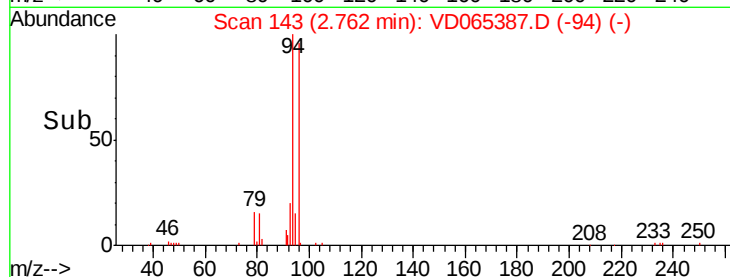
0

Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 18.815 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065387.D

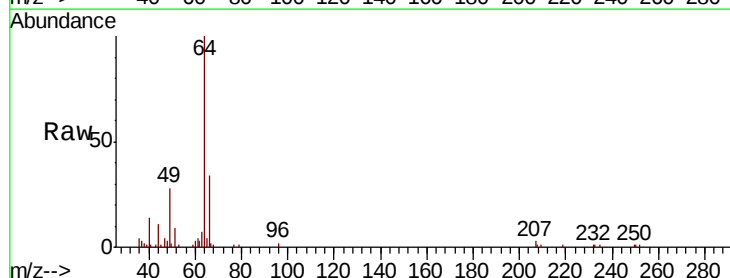
Acq: 03 Mar 2020 11:47

Tgt Ion: 64 Resp: 57436

Ion Ratio Lower Upper

64 100

66 34.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

25000

20000

15000

10000

5000

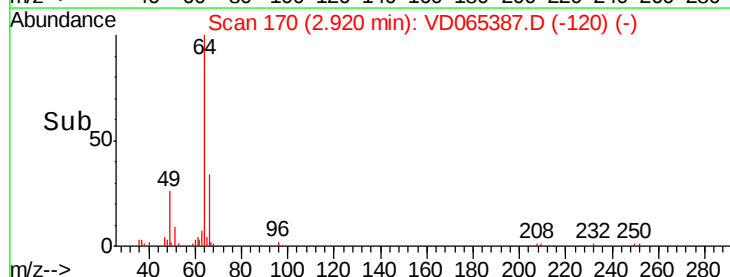
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Time-->

2.80

2.90

3.00



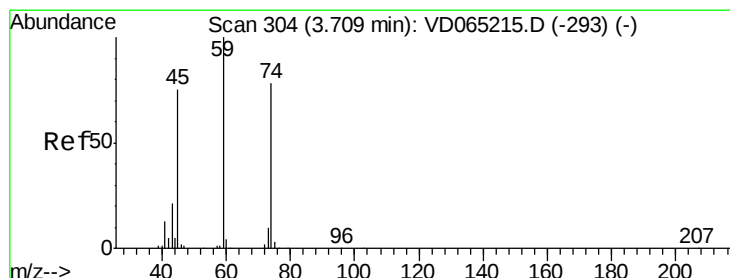
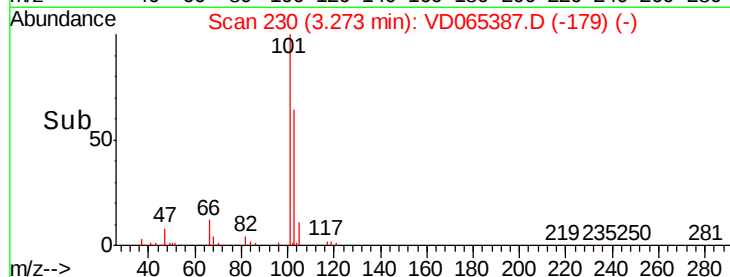
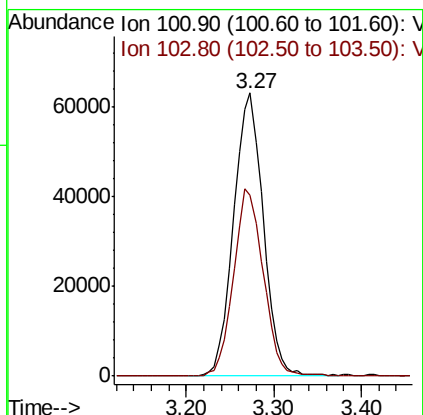
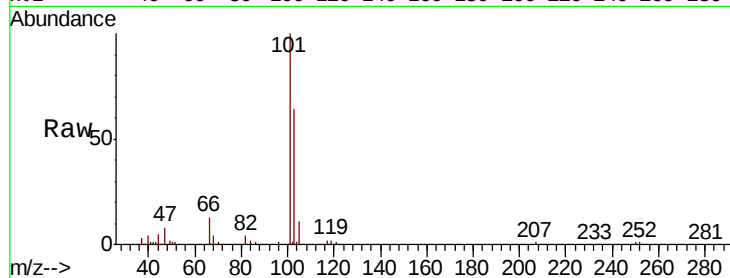


#7

Trichlorofluoromethane
 Concen: 20.248 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

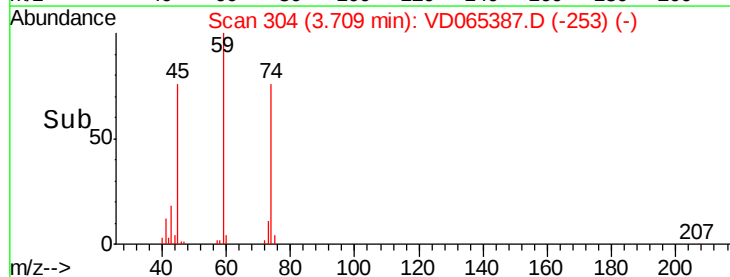
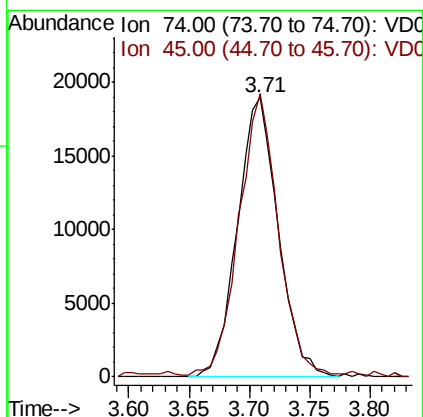
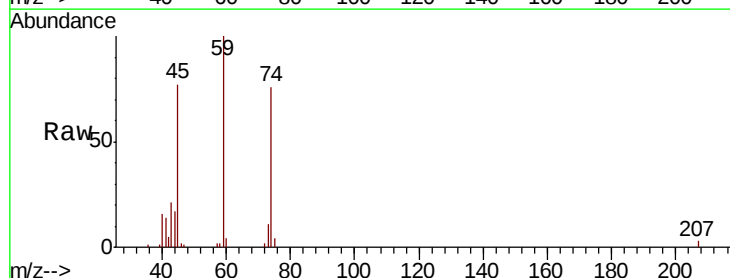
Tot Ion:101 Resp: 144973
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.7 76.1

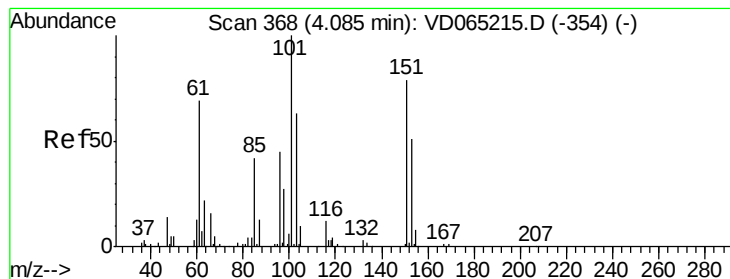


#8

Diethyl Ether
 Concen: 20.610 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Tgt Ion: 74 Resp: 44543
 Ion Ratio Lower Upper
 74 100
 45 96.1 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.171 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

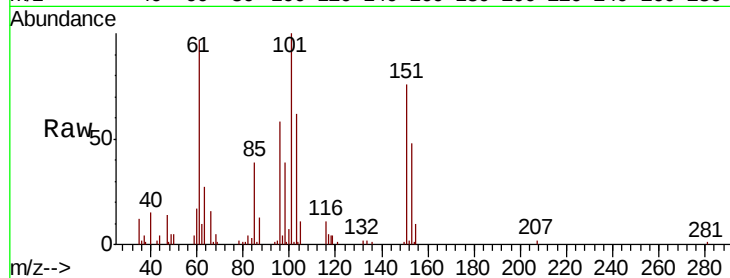
Tot Ion:101 Resp: 95725

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

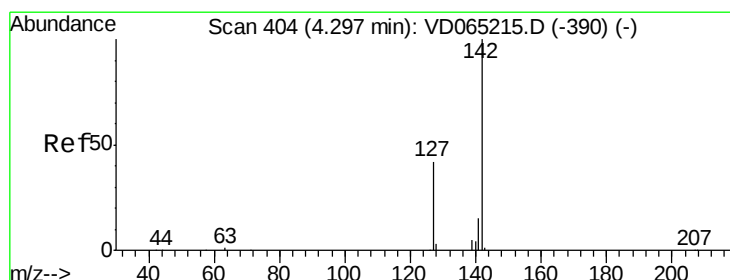
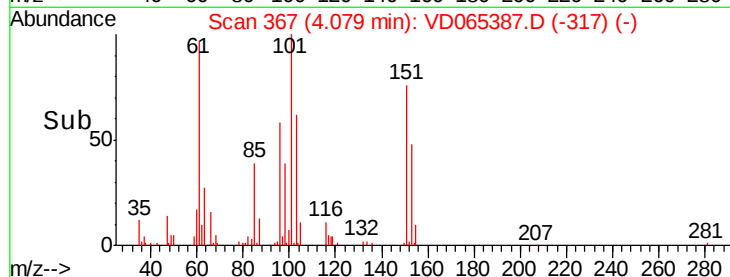
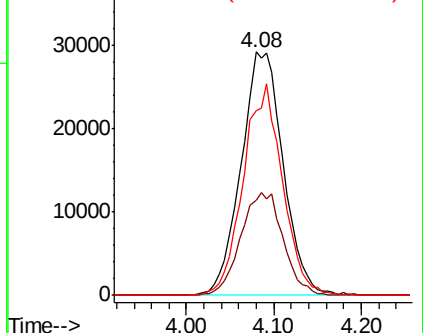
151 80.7 63.5 95.3



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: 20.618 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

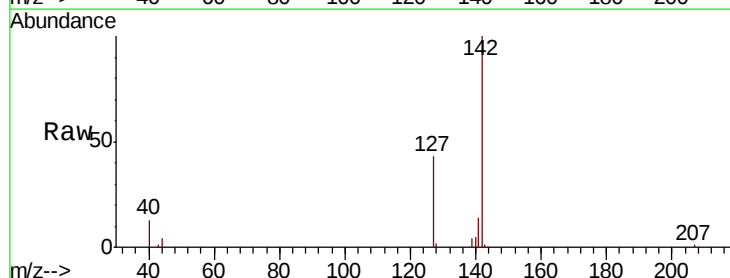
Tgt Ion:142 Resp: 96793

Ion Ratio Lower Upper

142 100

127 42.7 33.8 50.8

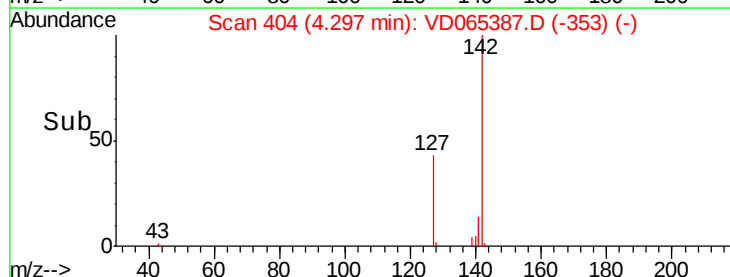
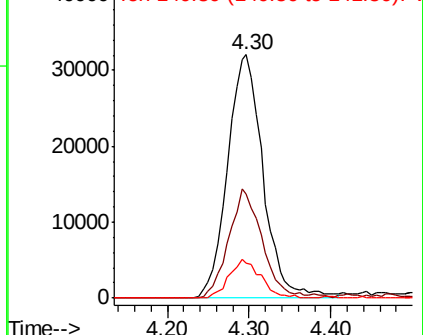
141 14.1 11.7 17.5

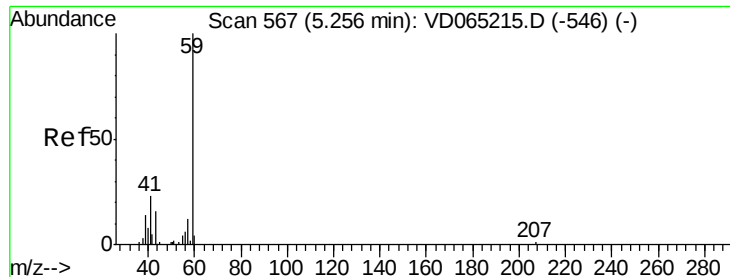


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



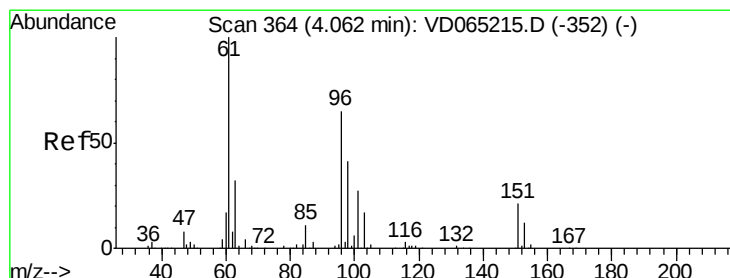
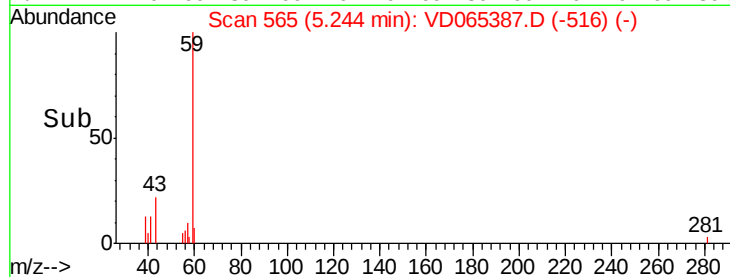
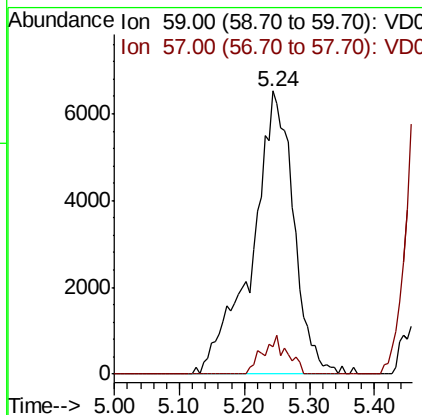
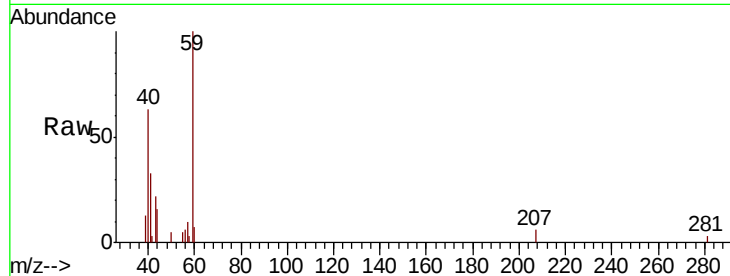


#11

Tert butyl alcohol
Concen: 116.531 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :

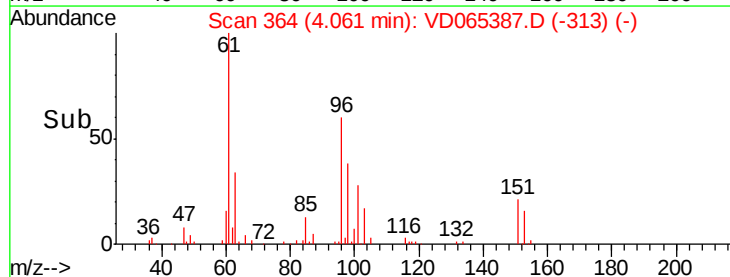
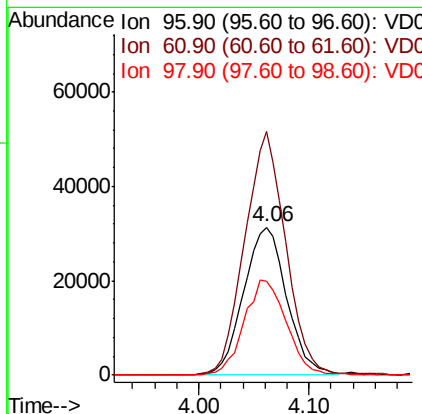
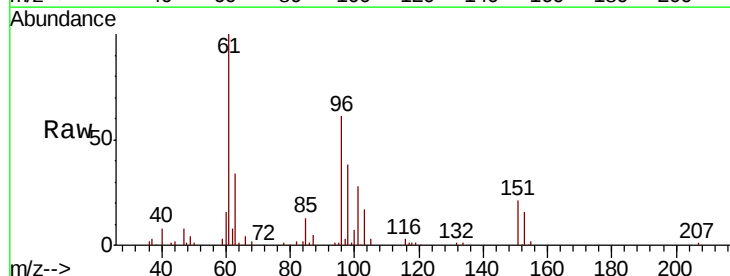
Tot Ion: 59 Resp: 28859
Ion Ratio Lower Upper
59 100
57 7.9 8.4 12.6#

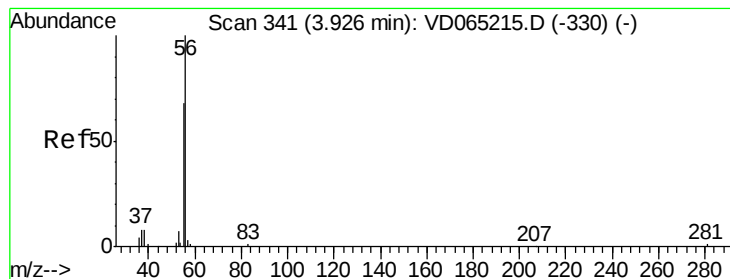


#12

1,1-Dichloroethene
Concen: 20.129 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion: 96 Resp: 85977
Ion Ratio Lower Upper
96 100
61 164.7 123.3 184.9
98 63.3 51.0 76.4





#13

Acrolein

Concen: 86.867 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

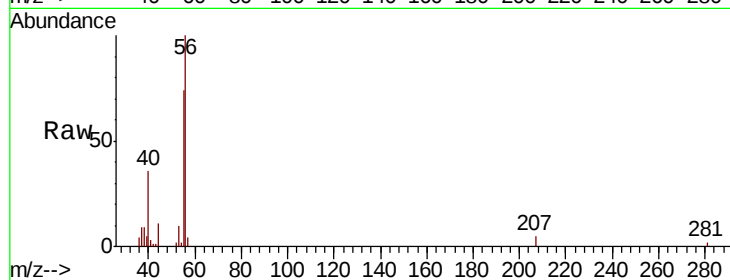
ClientSampleId :

Tot Ion: 56 Resp: 32142

Ion Ratio Lower Upper

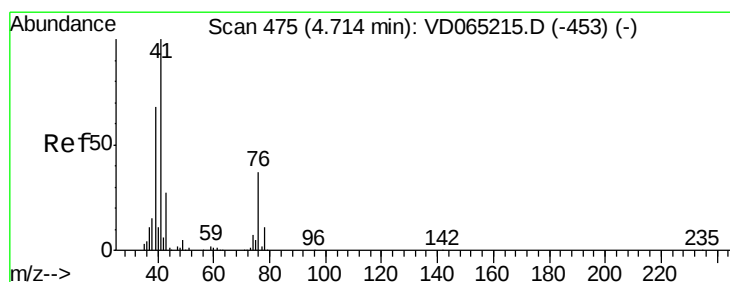
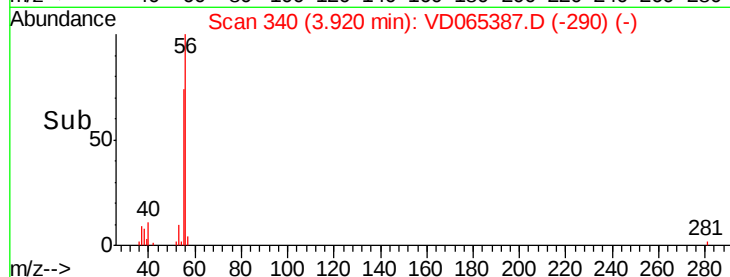
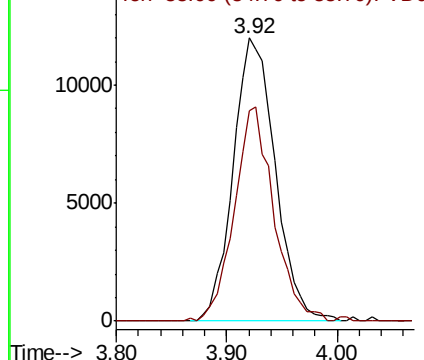
56 100

55 70.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.632 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

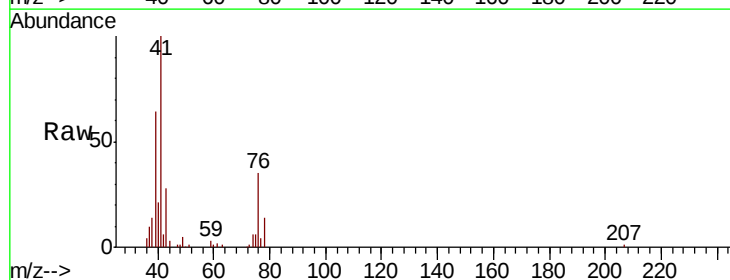
Tgt Ion: 41 Resp: 136172

Ion Ratio Lower Upper

41 100

39 64.0 53.8 80.6

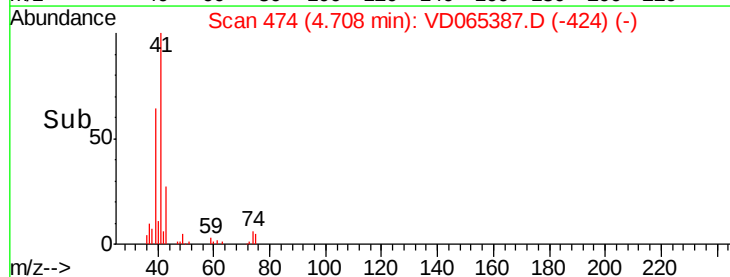
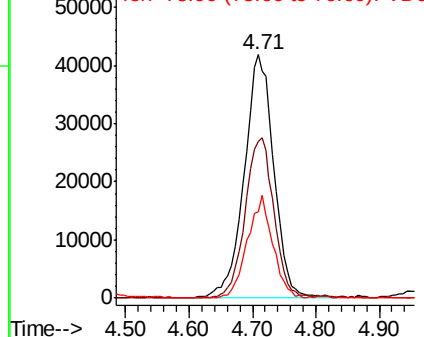
76 36.1 28.7 43.1

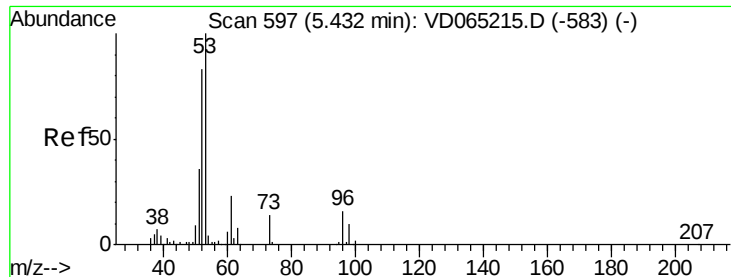


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 106.181 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampled :

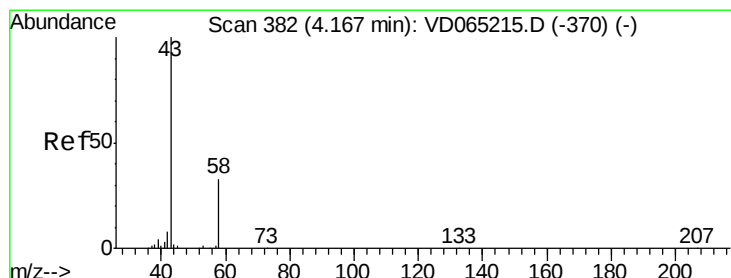
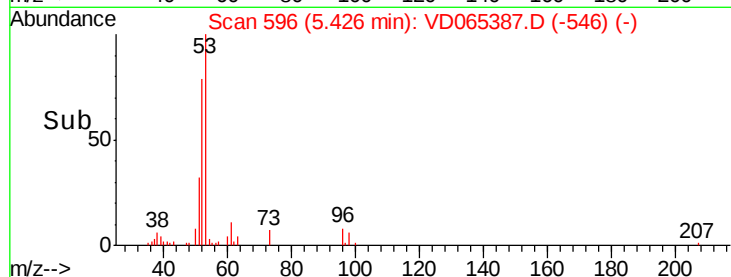
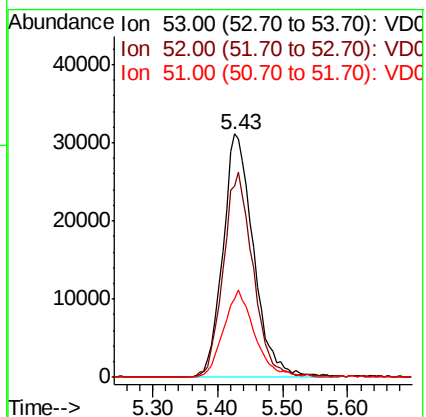
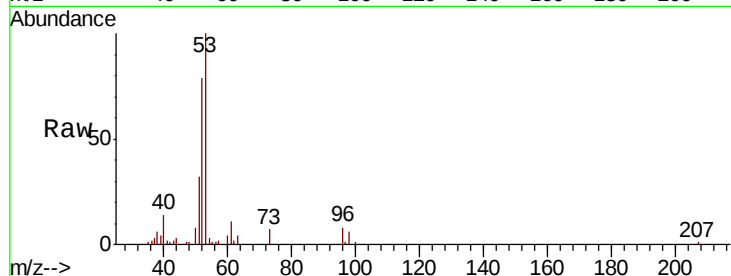
Tot Ion: 53 Resp: 101600

Ion Ratio Lower Upper

53 100

52 80.9 65.4 98.2

51 36.4 29.5 44.3



#16

Acetone

Concen: 88.769 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065387.D

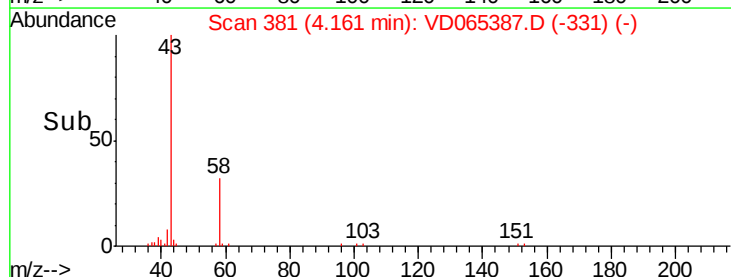
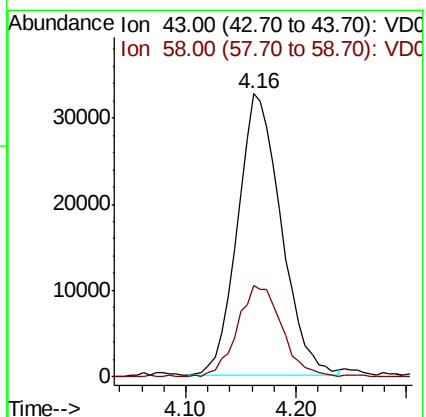
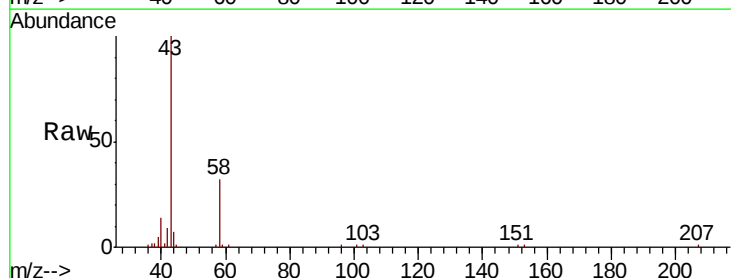
Acq: 03 Mar 2020 11:47

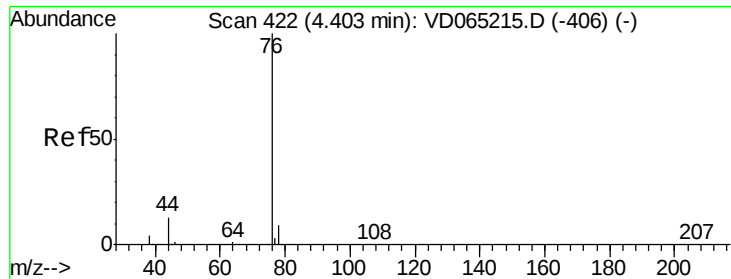
Tgt Ion: 43 Resp: 89930

Ion Ratio Lower Upper

43 100

58 32.3 26.2 39.2

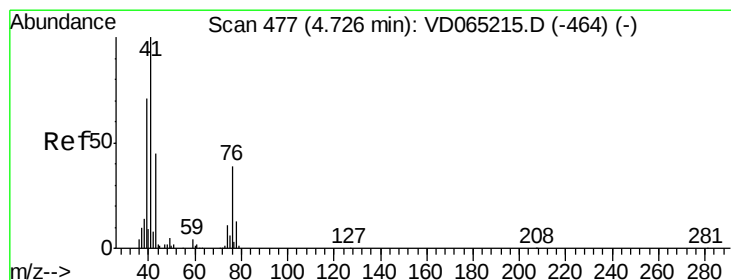
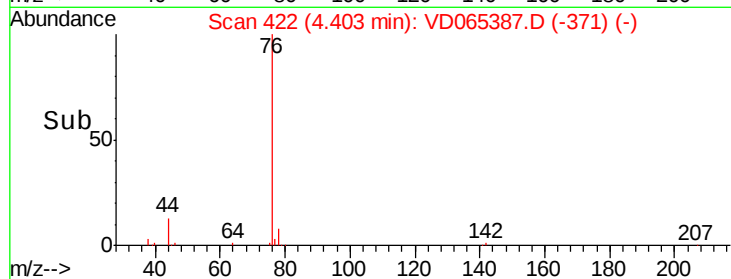
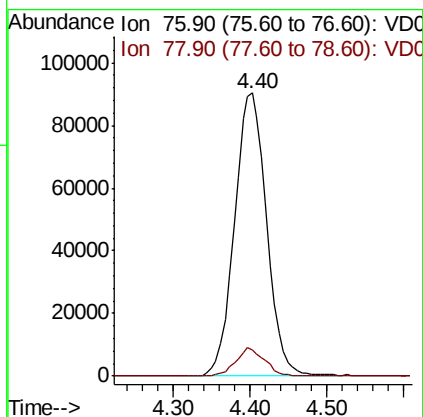
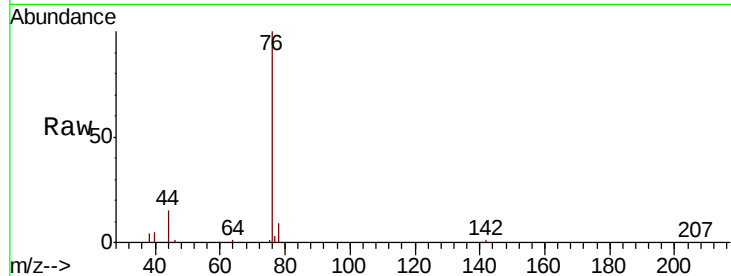




#17
Carbon Disulfide
Concen: 18.398 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

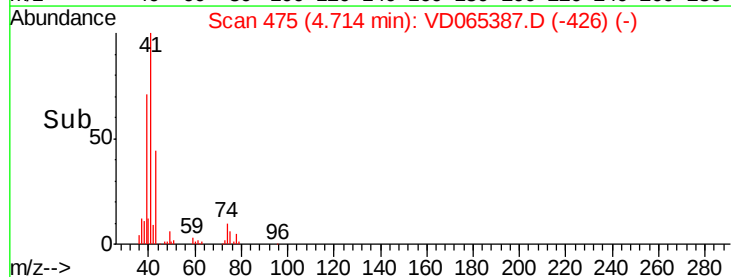
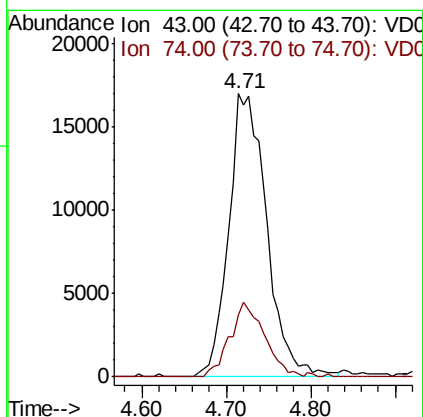
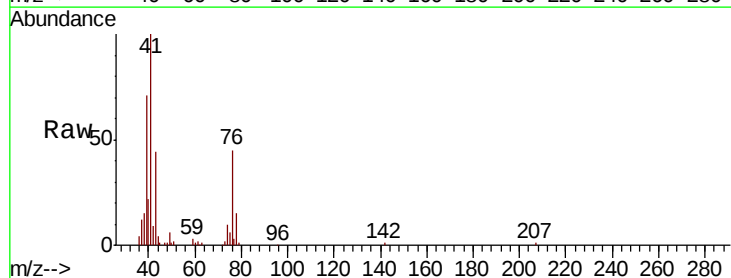
Instrument :
MSVOA_D
ClientSampleId :

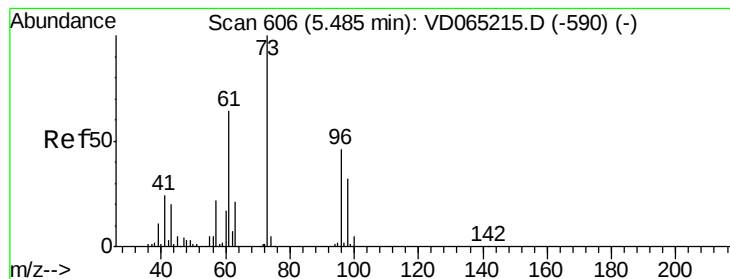
Tot Ion: 76 Resp: 263451
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 23.235 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion: 43 Resp: 52940
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2



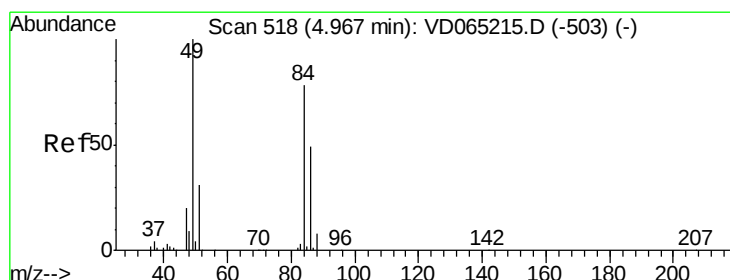
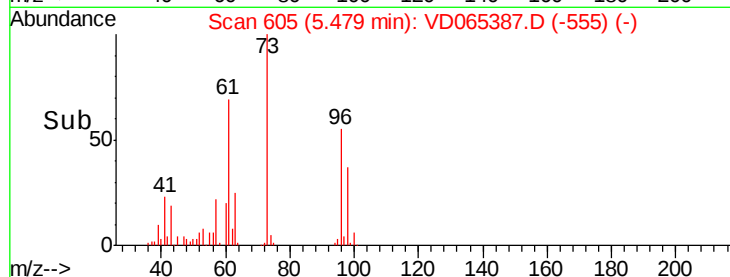
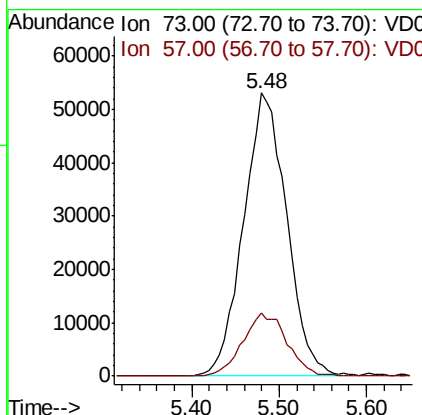
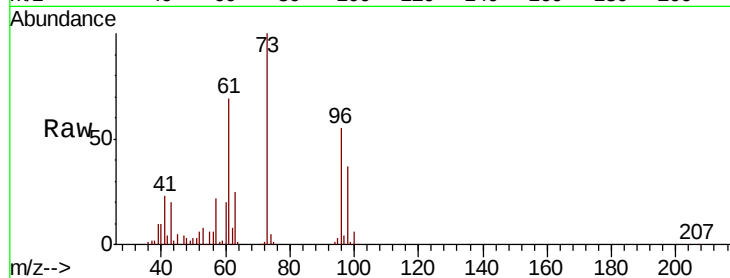


#19

Methyl tert-butyl Ether
 Concen: 20.097 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleID :

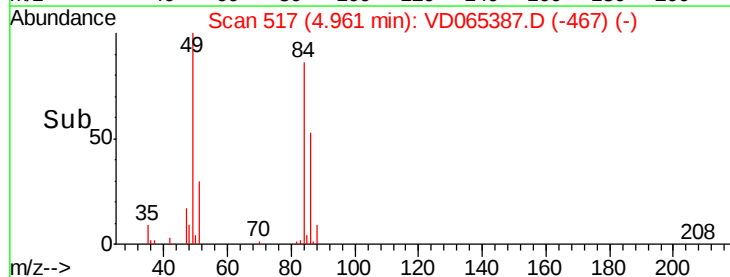
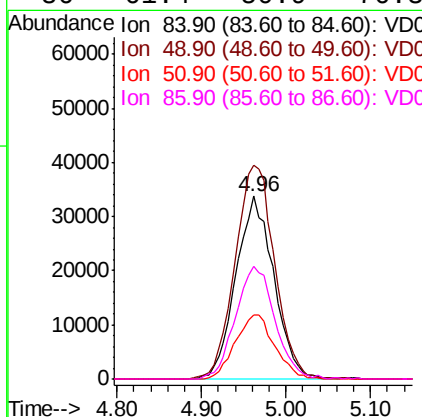
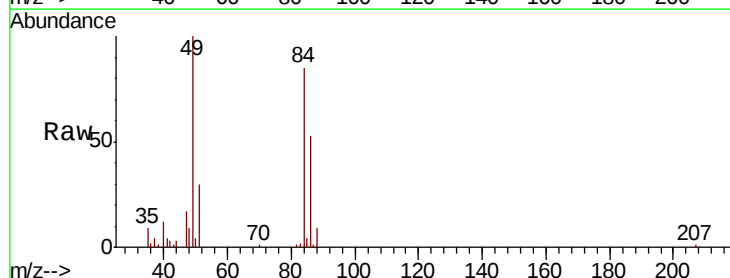
Tot Ion: 73 Resp: 179003
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.3 25.9

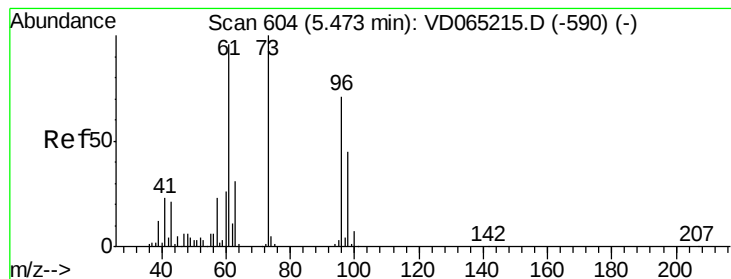


#20

Methylene Chloride
 Concen: 20.660 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Tgt Ion: 84 Resp: 105376
 Ion Ratio Lower Upper
 84 100
 49 117.0 103.1 154.7
 51 35.4 31.7 47.5
 86 61.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.291 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

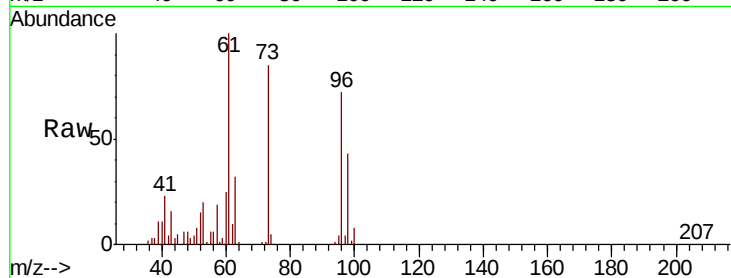
Tot Ion: 96 Resp: 98524

Ion Ratio Lower Upper

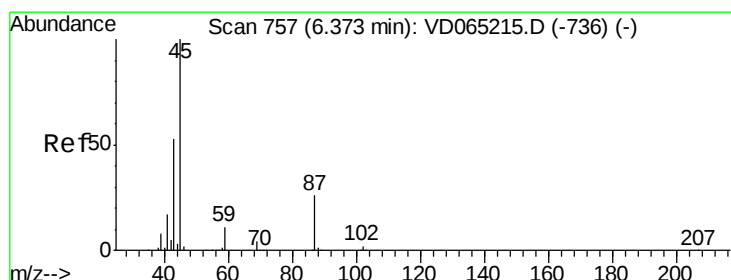
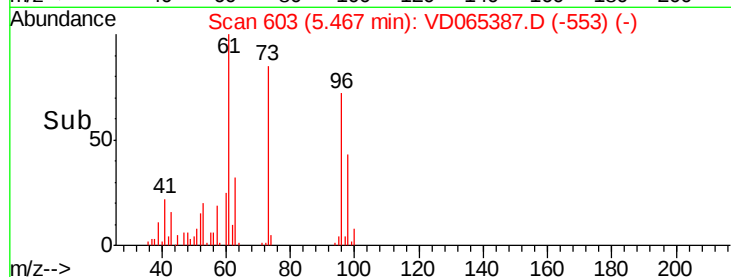
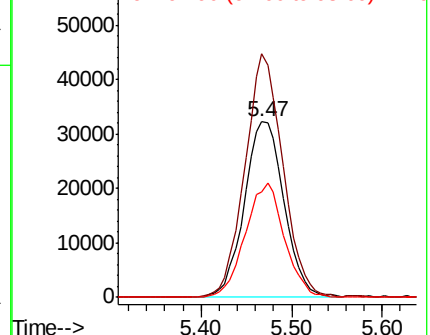
96 100

61 138.6 108.3 162.5

98 60.2 50.7 76.1



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



#22

Diisopropyl ether

Concen: 20.440 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Tgt Ion: 45 Resp: 273309

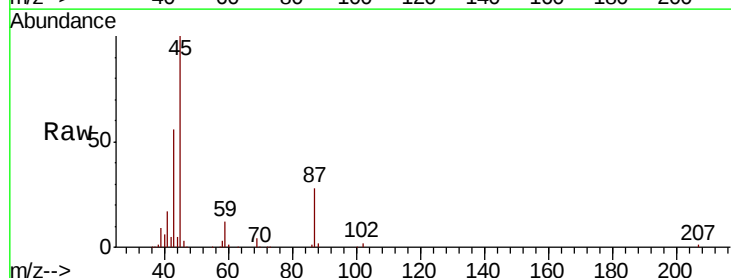
Ion Ratio Lower Upper

45 100

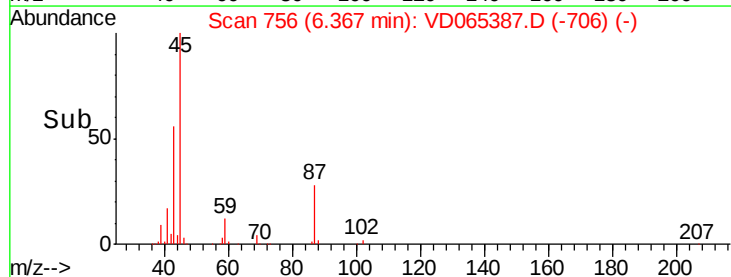
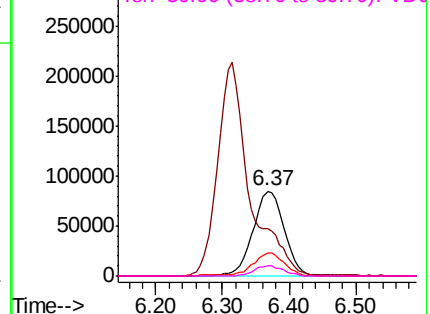
43 55.0 42.6 64.0

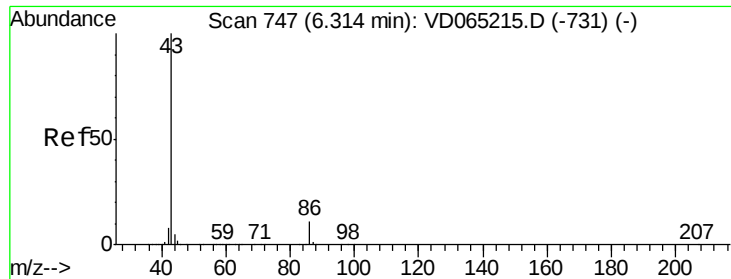
87 27.8 21.2 31.8

59 11.6 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 97.351 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

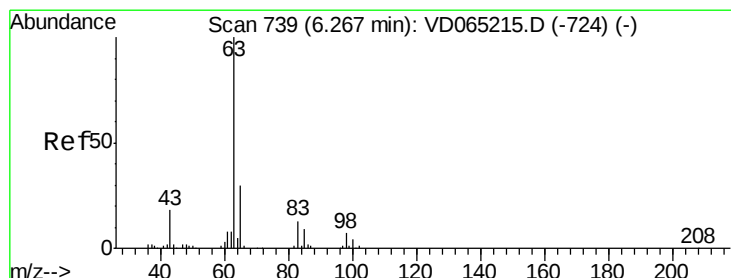
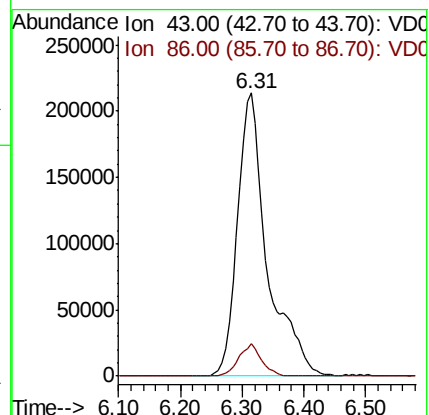
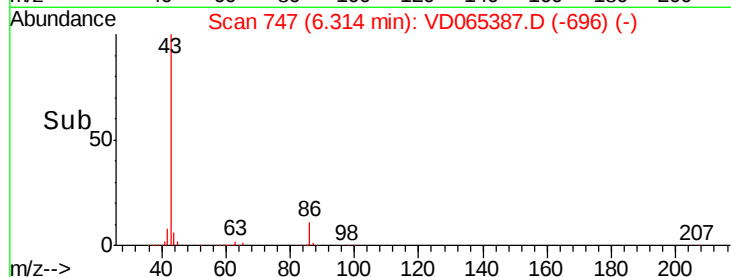
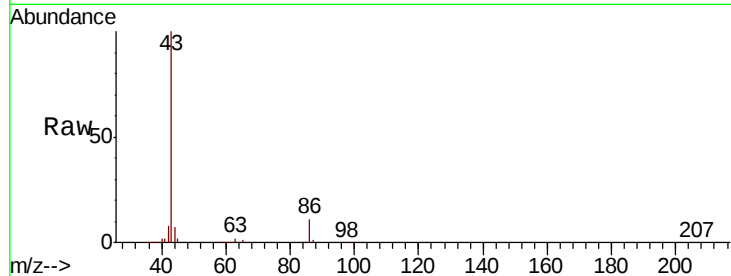
ClientSampleId :

Tot Ion: 43 Resp: 717620

Ion Ratio Lower Upper

43 100

86 11.3 8.6 12.8



#24

1,1-Dichloroethane

Concen: 20.277 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

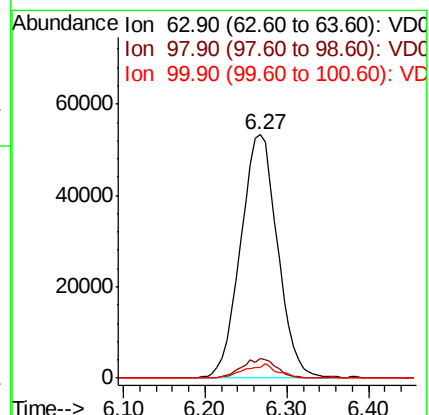
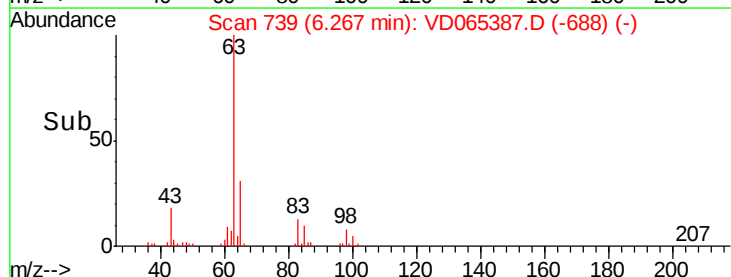
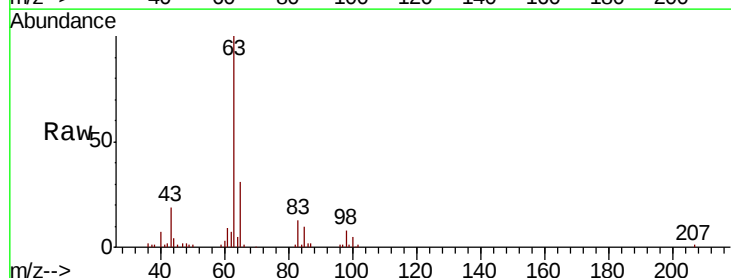
Tgt Ion: 63 Resp: 168171

Ion Ratio Lower Upper

63 100

98 8.2 3.4 10.1

100 4.6 2.3 6.8

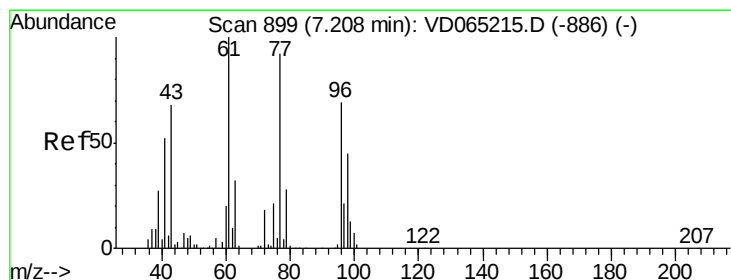
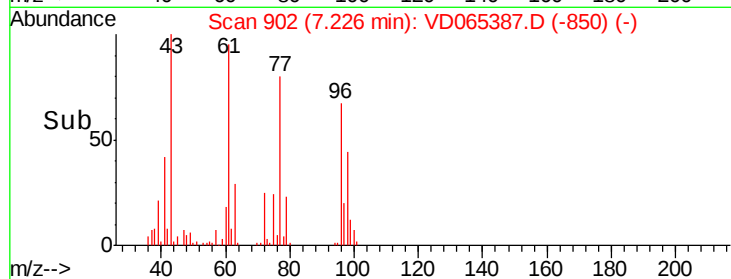
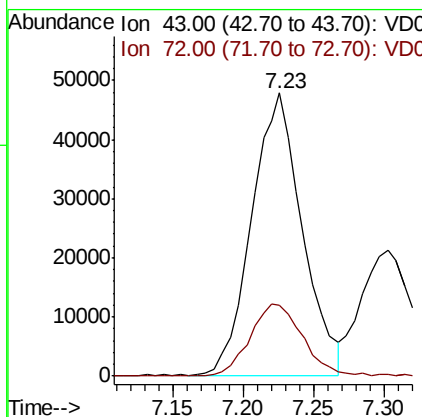
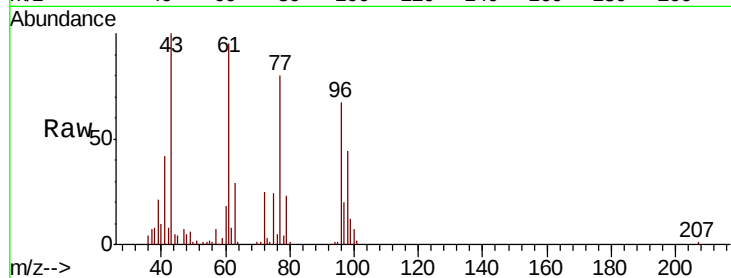




#25
2-Butanone
Concen: 93.999 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

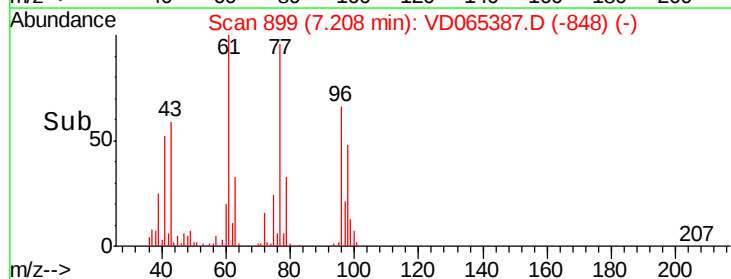
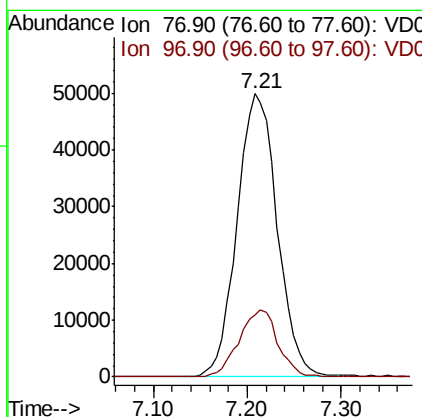
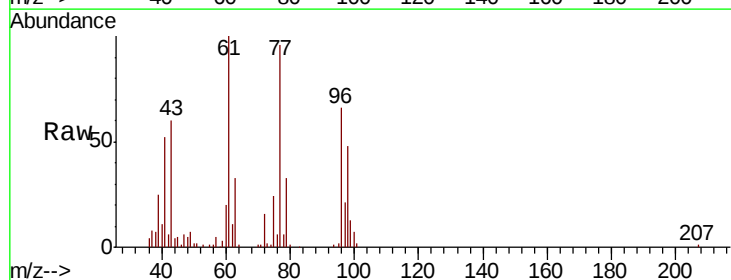
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 120485
Ion Ratio Lower Upper
43 100
72 25.0 20.9 31.3



#26
2,2-Dichloropropane
Concen: 20.527 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion: 77 Resp: 147711
Ion Ratio Lower Upper
77 100
97 22.8 11.7 35.1



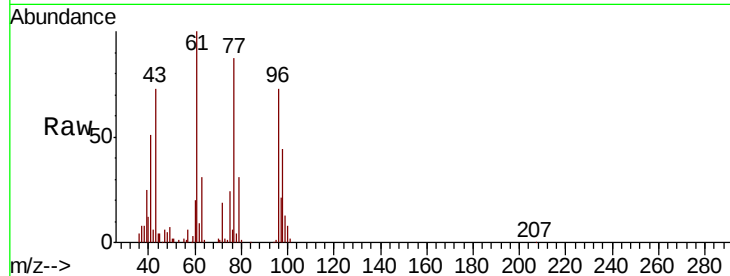


#27

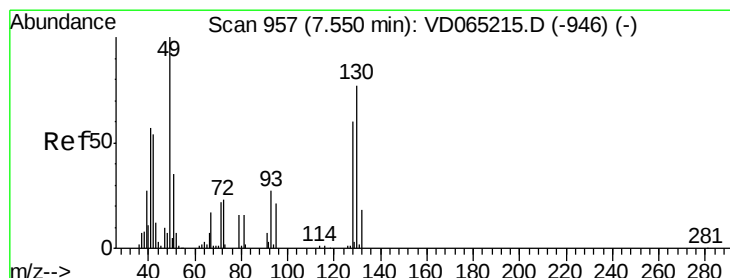
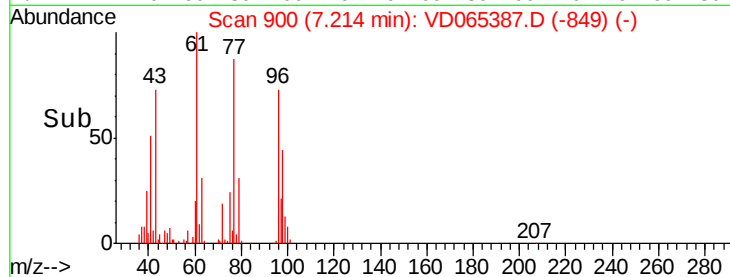
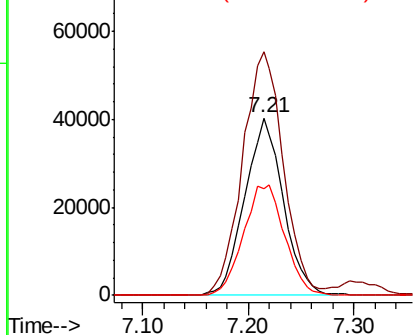
cis-1,2-Dichloroethene
 Concen: 19.886 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	102281
Ion Ratio	Lower	Upper	
96	100		
61	145.2	0.0	286.0
98	66.5	0.0	127.8



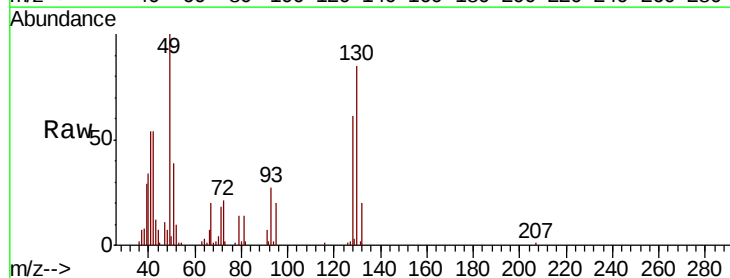
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



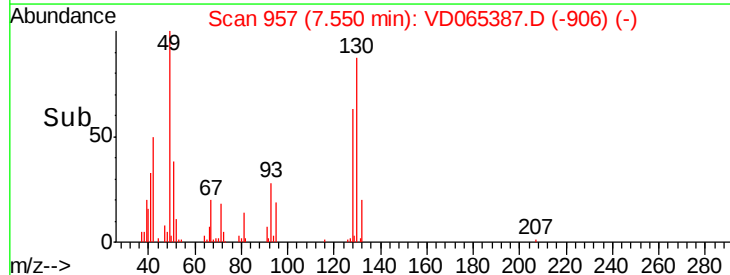
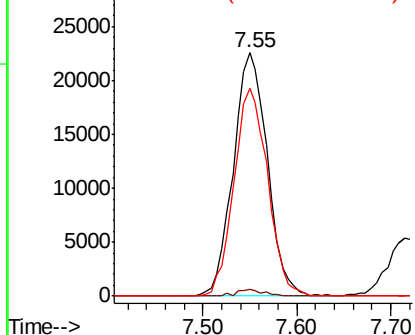
#28

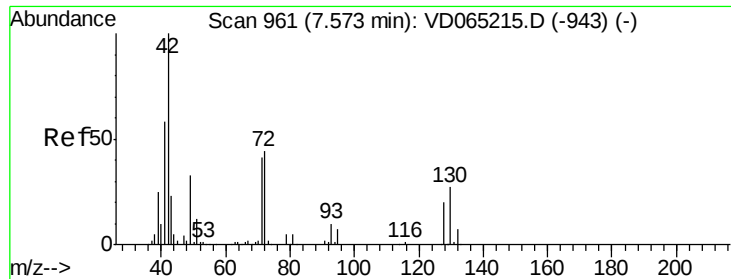
Bromochloromethane
 Concen: 18.402 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Tgt Ion	49	Resp	56622
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.6
130	84.5	64.7	97.1



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

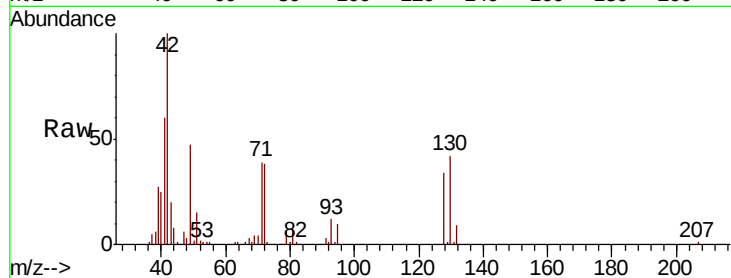




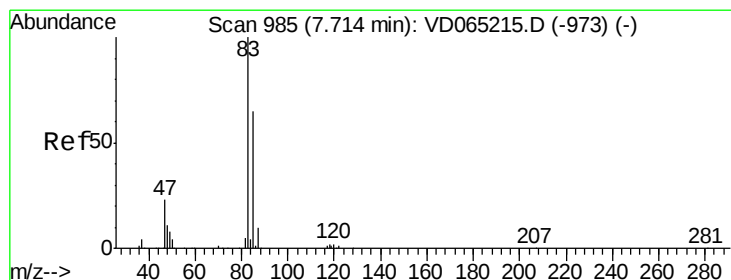
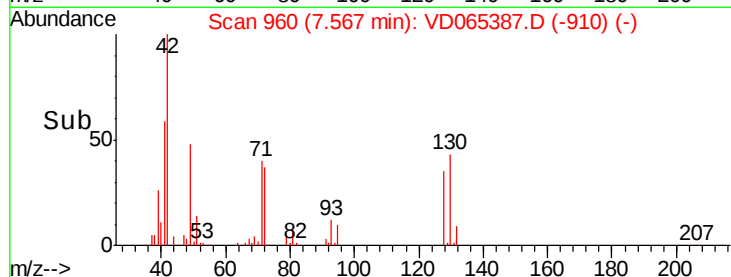
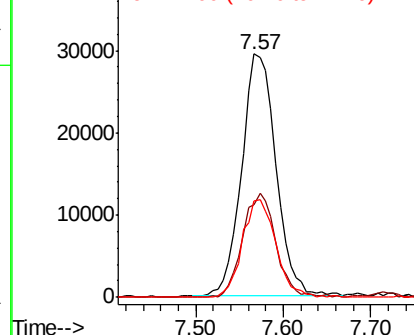
#29
Tetrahydrofuran
Concen: 104.001 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 78107
Ion Ratio Lower Upper
42 100
72 41.8 33.7 50.5
71 39.2 31.4 47.2

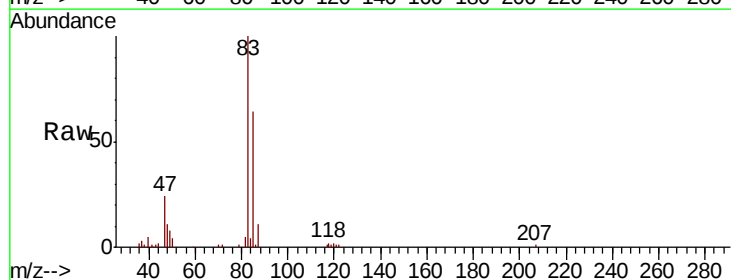


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

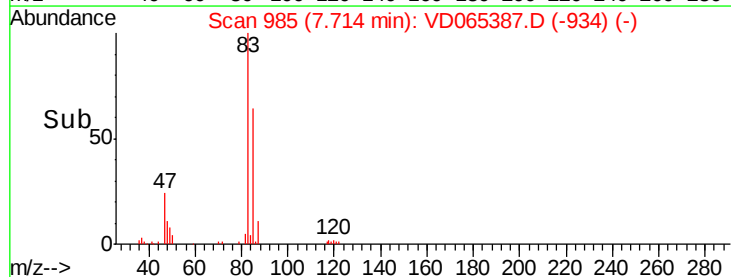
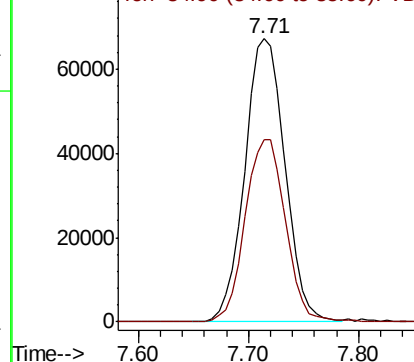


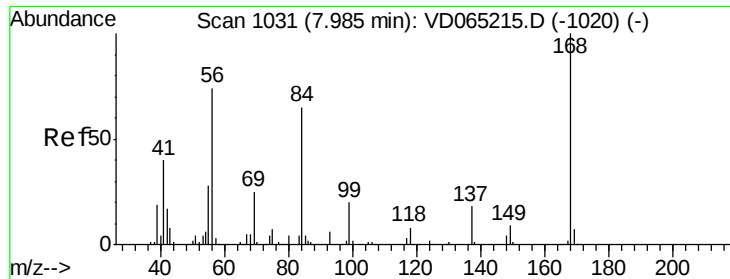
#30
Chloroform
Concen: 20.600 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion: 83 Resp: 172129
Ion Ratio Lower Upper
83 100
85 64.2 52.3 78.5



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

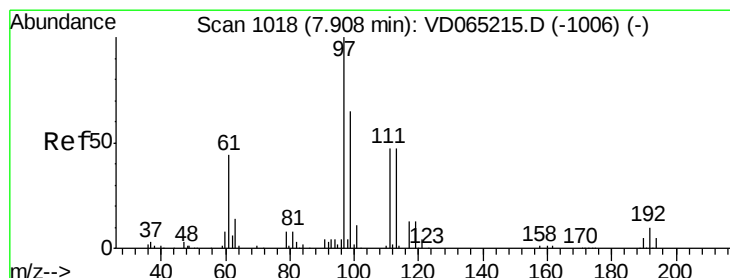
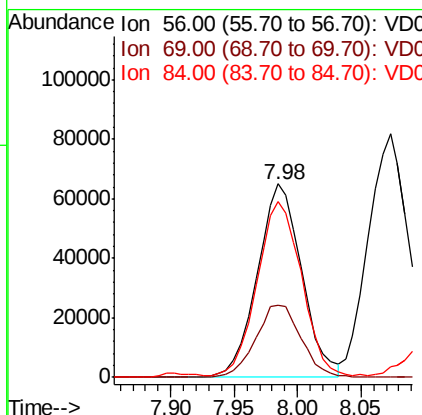
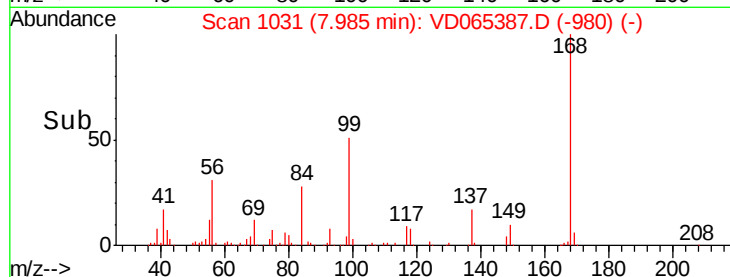
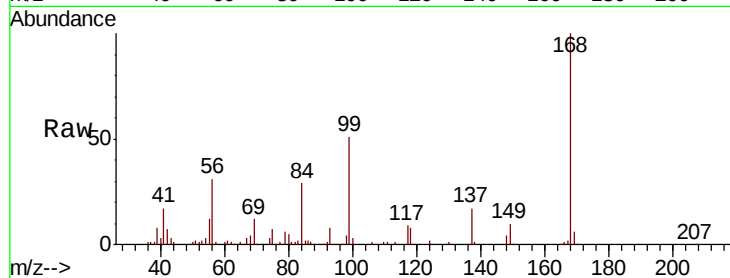




#31
Cyclohexane
Concen: 19.442 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

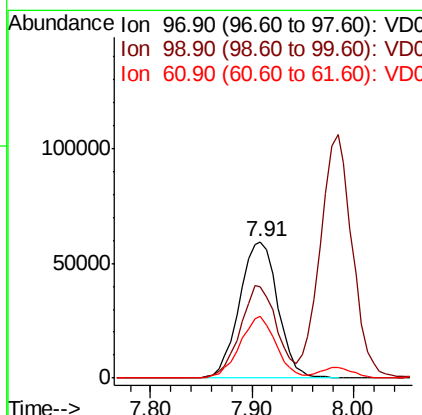
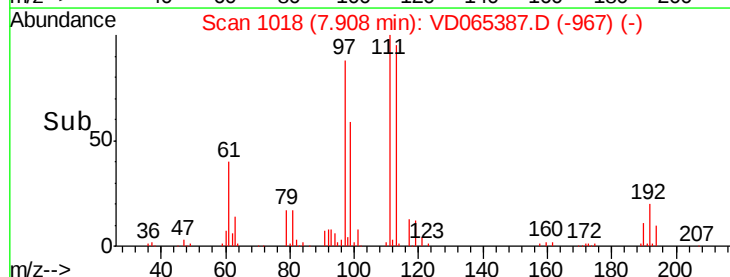
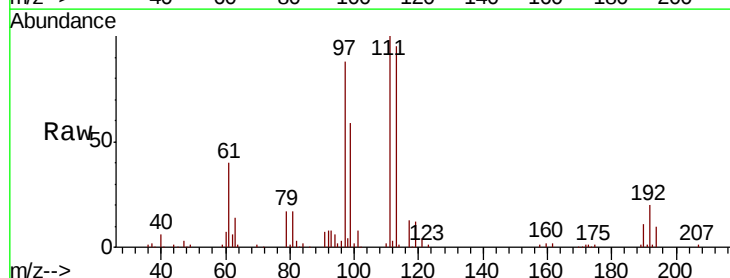
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 158428
Ion Ratio Lower Upper
56 100
69 36.9 27.4 41.0
84 89.6 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 20.936 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion: 97 Resp: 156514
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.2
61 42.5 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 46.917 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

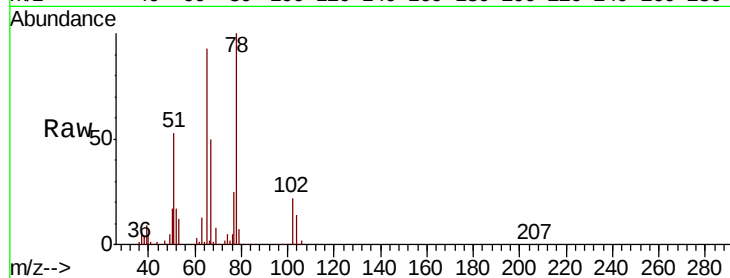
ClientSampleId :

Tot Ion: 65 Resp: 194441

Ion Ratio Lower Upper

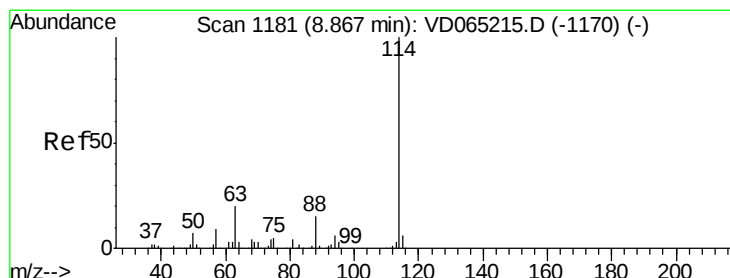
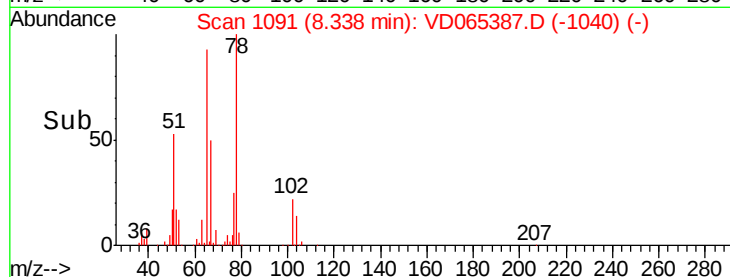
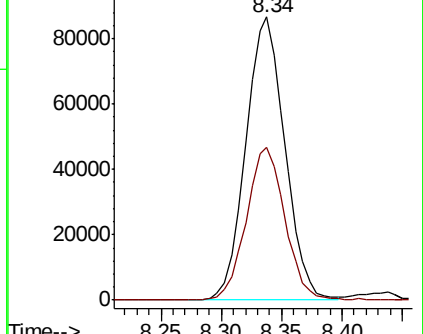
65 100

67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

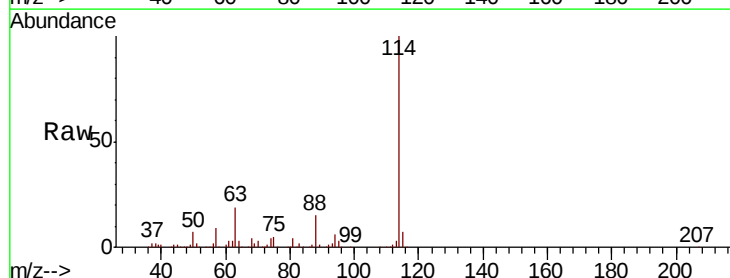
Tgt Ion: 114 Resp: 668745

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

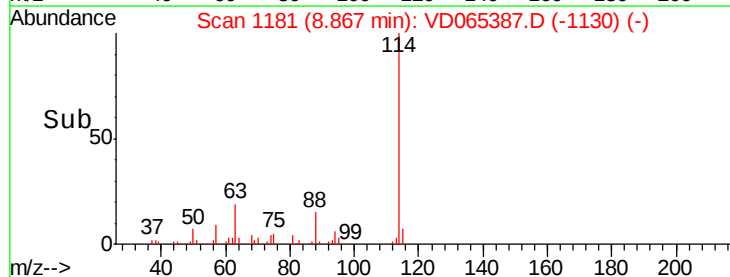
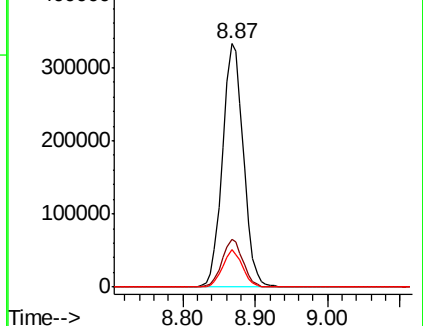
88 15.4 0.0 30.4

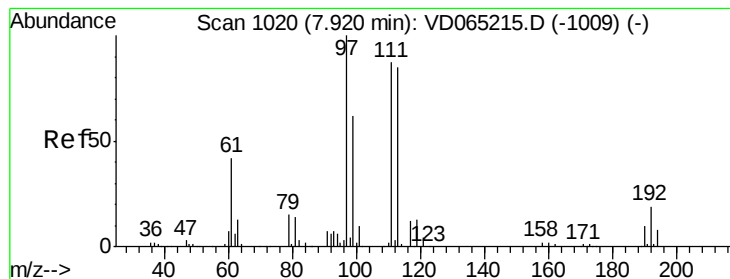


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.588 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampled :

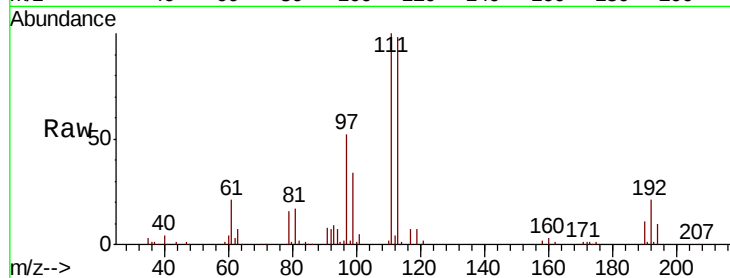
Tot Ion:113 Resp: 206277

Ion Ratio Lower Upper

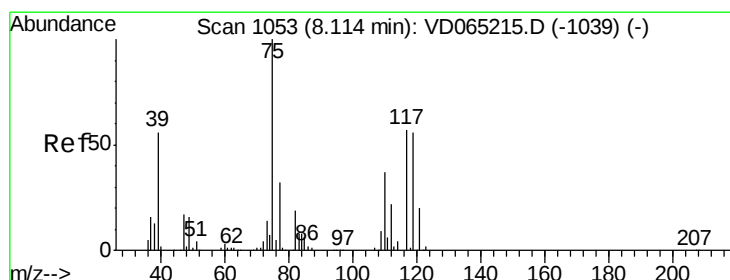
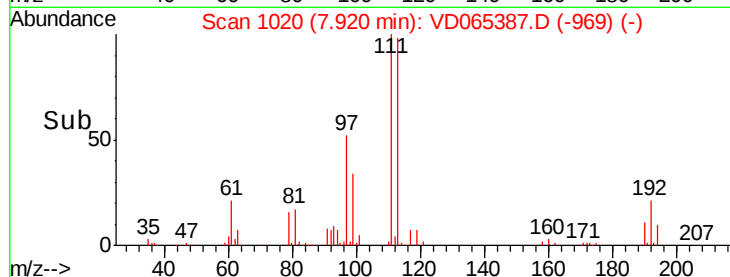
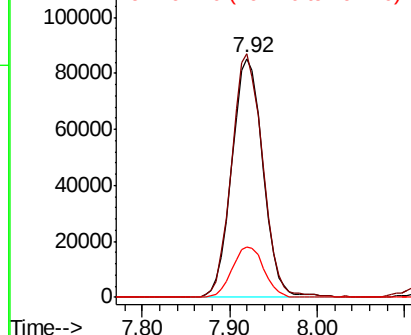
113 100

111 101.7 82.9 124.3

192 21.6 17.3 25.9



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: 21.059 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

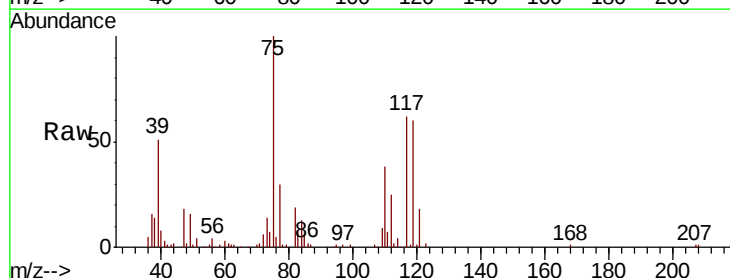
Tgt Ion: 75 Resp: 137032

Ion Ratio Lower Upper

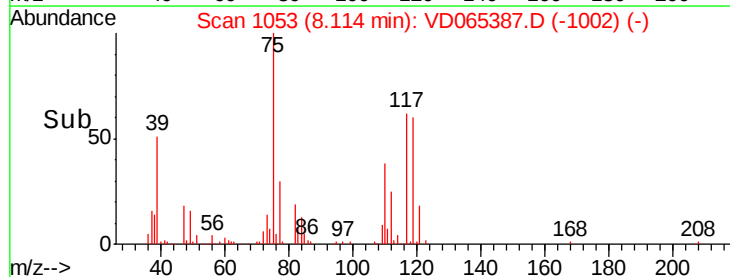
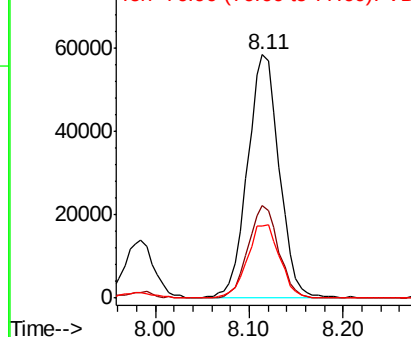
75 100

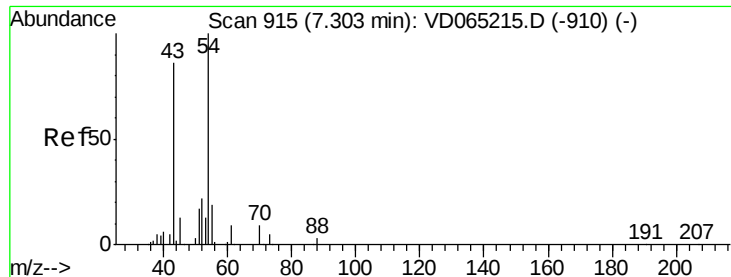
110 36.6 17.9 53.7

77 30.8 25.1 37.7



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

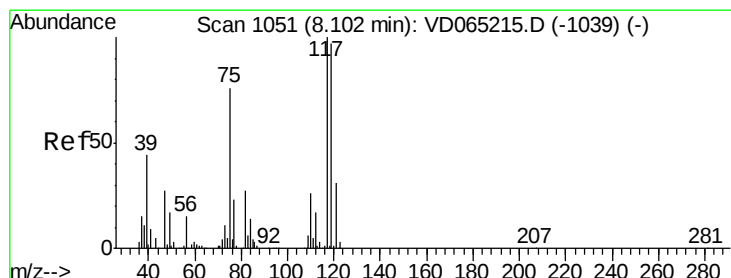
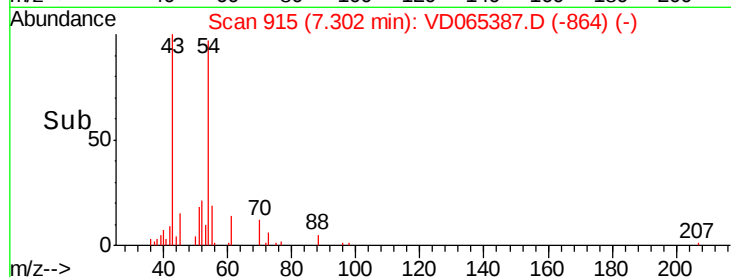
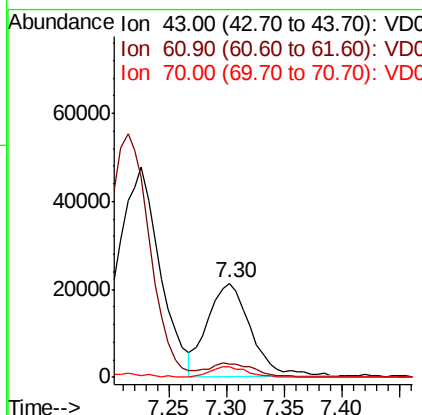
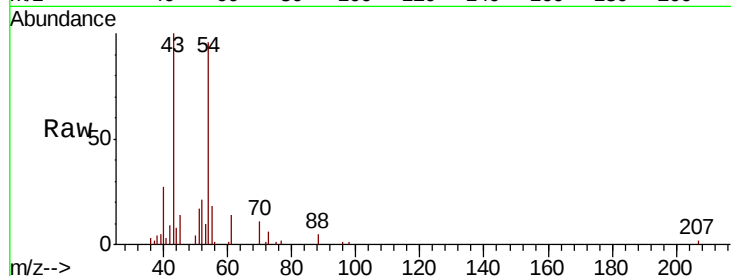




#37
Ethyl Acetate
Concen: 20.167 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

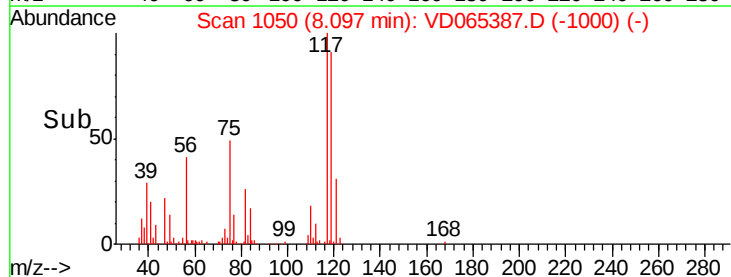
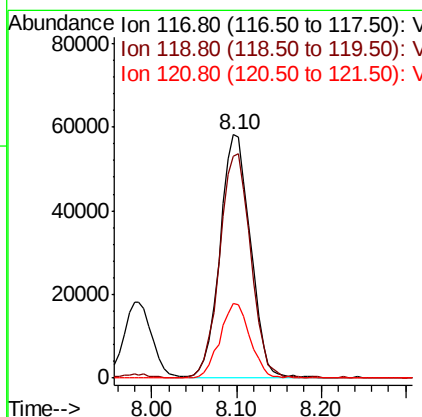
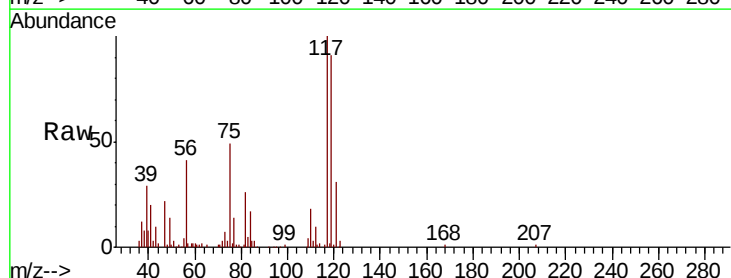
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 54857
Ion Ratio Lower Upper
43 100
61 14.9 11.2 16.8
70 10.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.979 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion: 117 Resp: 145590
Ion Ratio Lower Upper
117 100
119 91.1 77.6 116.4
121 30.7 24.8 37.2

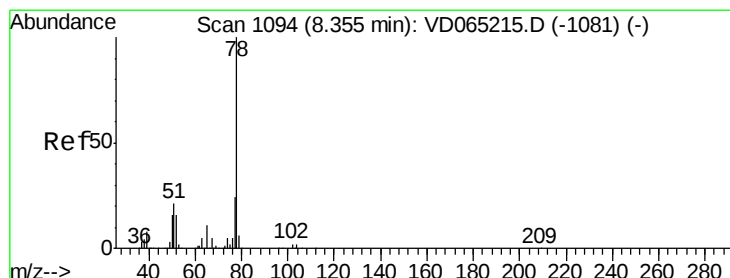
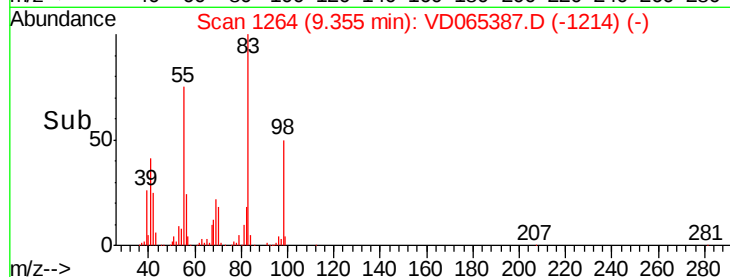
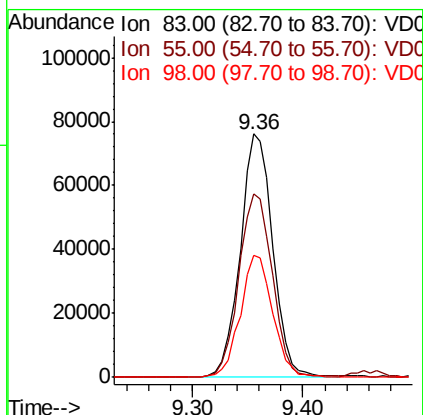
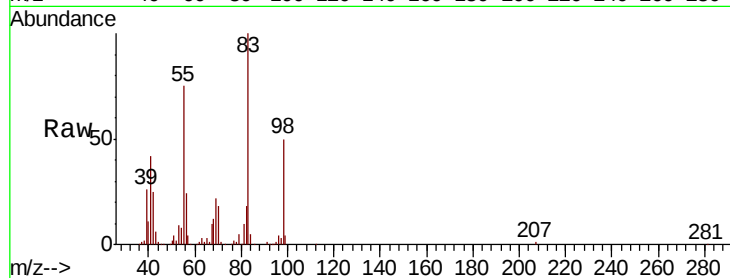




#39
Methvlcvclohexane
Concen: 20.576 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

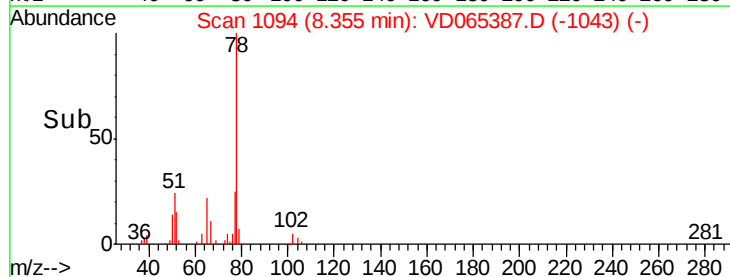
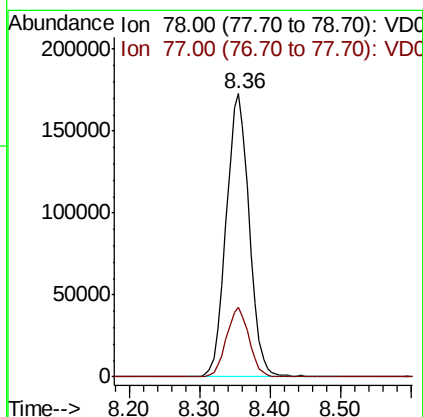
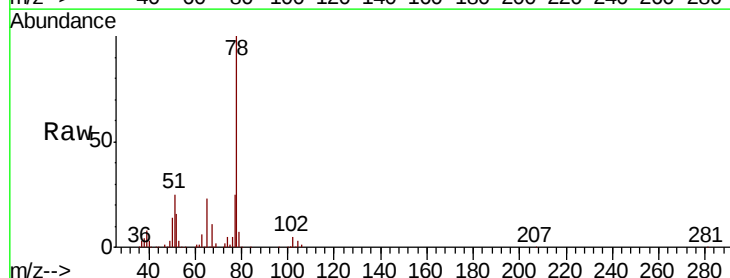
Instrument :
MSVOA_D
ClientSampleId :

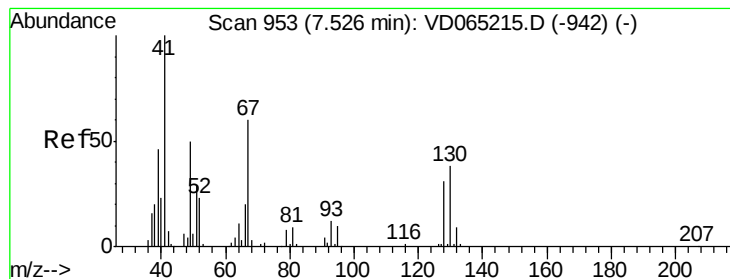
Tot Ion: 83 Resp: 157404
Ion Ratio Lower Upper
83 100
55 75.2 61.8 92.6
98 50.2 39.4 59.0



#40
Benzene
Concen: 21.285 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion: 78 Resp: 390923
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.6





#41

Methacrylonitrile

Concen: 48.929 ug/l

RT: 7.57 min Scan# 960

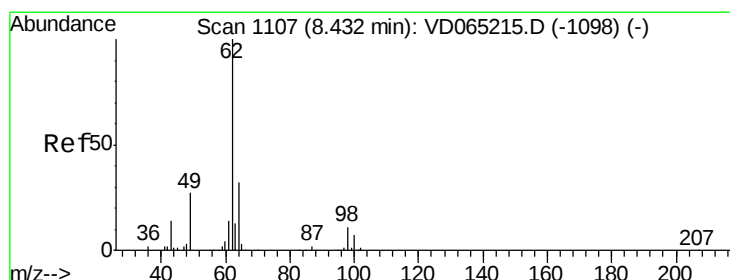
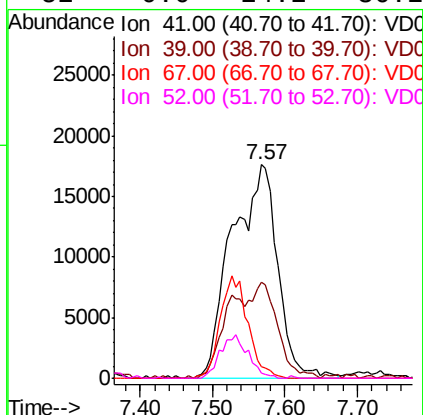
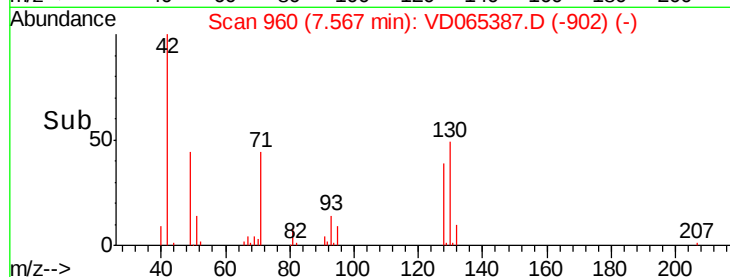
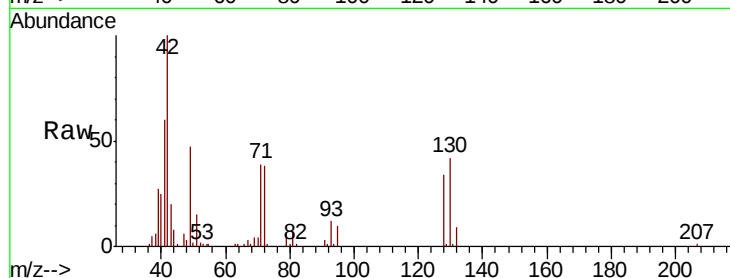
Delta R.T. 0.04 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	76850
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.1	72.1#
67	0.0	58.9	88.3#
52	0.0	24.2	36.2#



#42

1,2-Dichloroethane

Concen: 21.236 ug/l

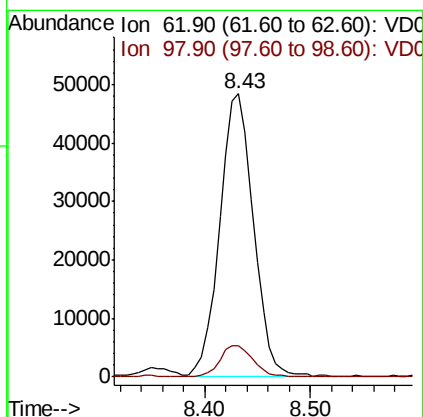
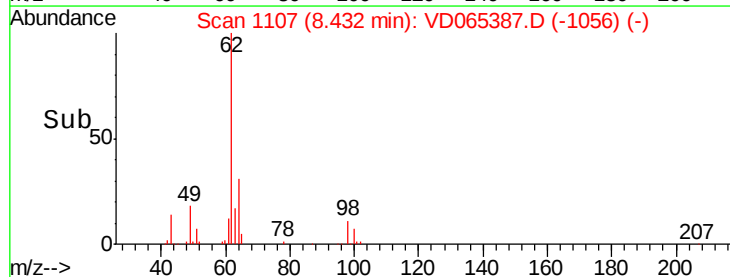
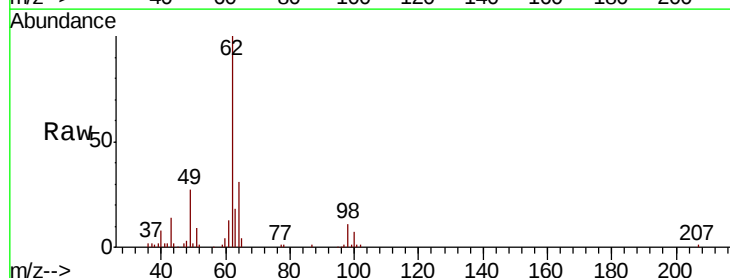
RT: 8.43 min Scan# 1107

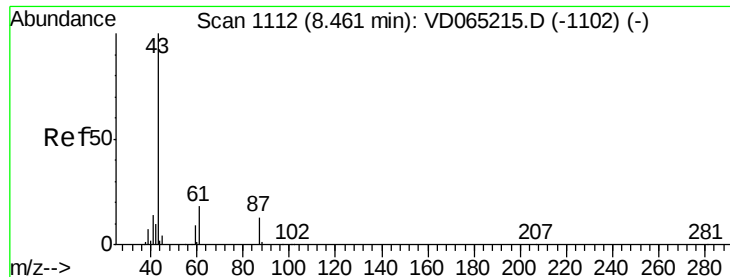
Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Tgt Ion:	62	Resp:	107223
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 20.653 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

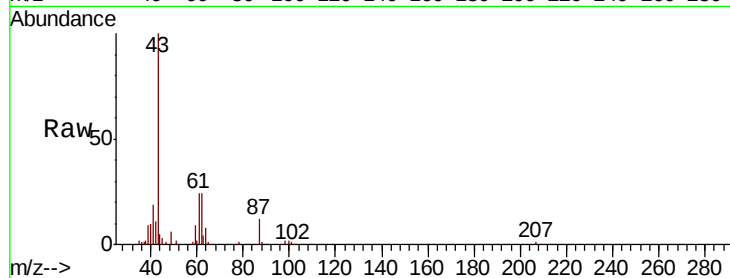
Tot Ion: 43 Resp: 102162

Ion Ratio Lower Upper

43 100

61 32.1 24.6 36.8

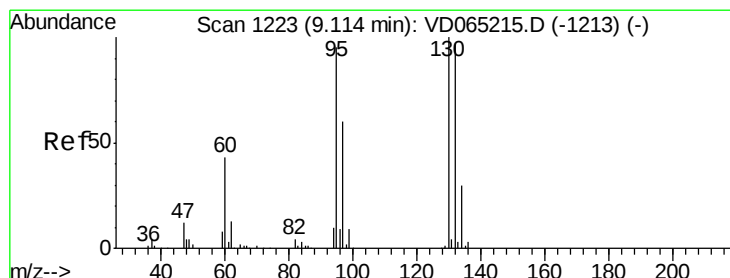
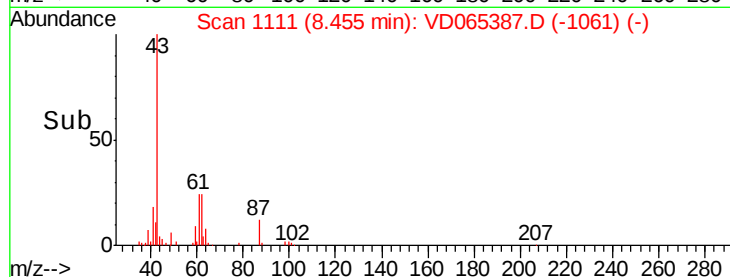
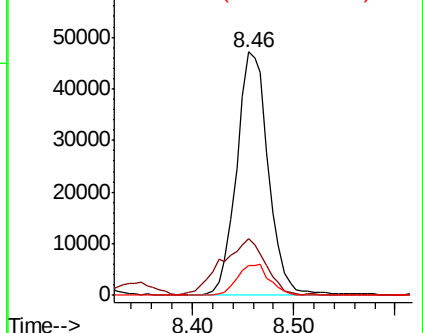
87 13.0 10.6 16.0



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: 21.705 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065387.D

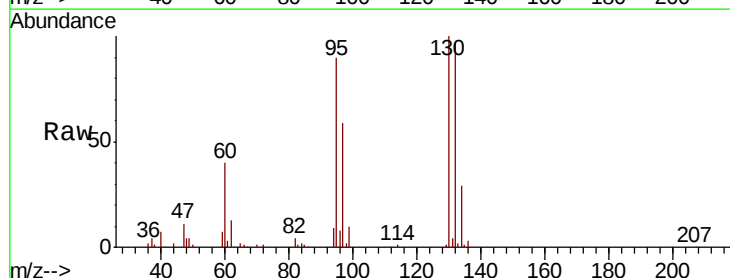
Acq: 03 Mar 2020 11:47

Tgt Ion:130 Resp: 110500

Ion Ratio Lower Upper

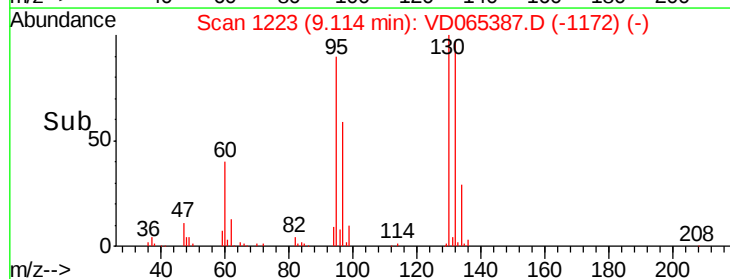
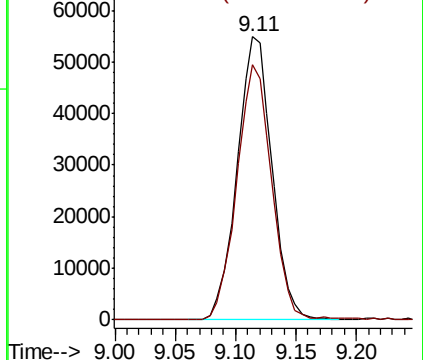
130 100

95 90.3 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.212 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

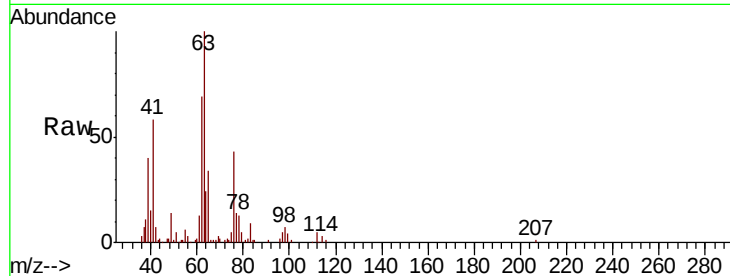
ClientSampled :

Tot Ion: 63 Resp: 96876

Ion Ratio Lower Upper

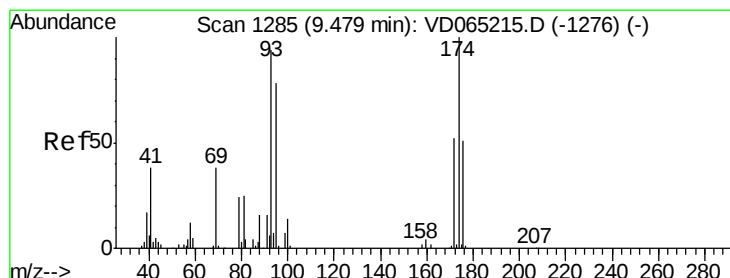
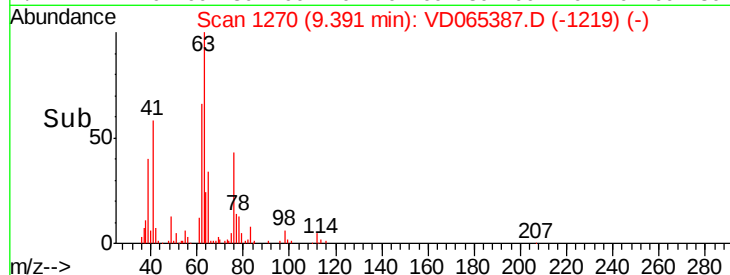
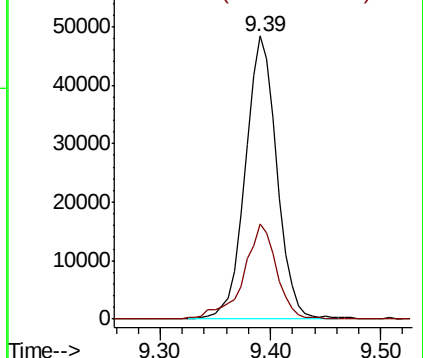
63 100

65 33.8 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.655 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

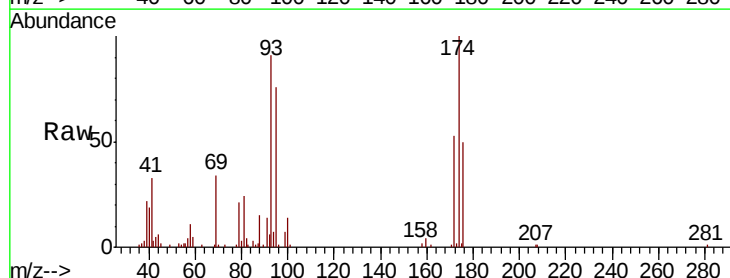
Tgt Ion: 93 Resp: 50884

Ion Ratio Lower Upper

93 100

95 81.3 65.8 98.6

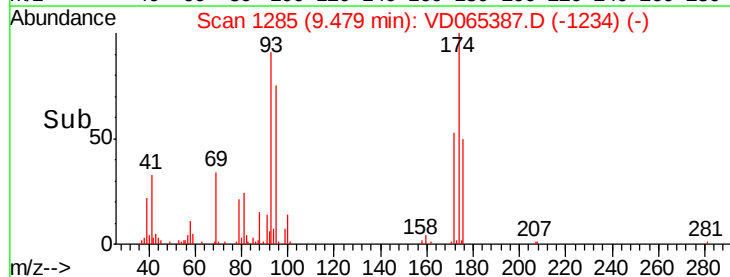
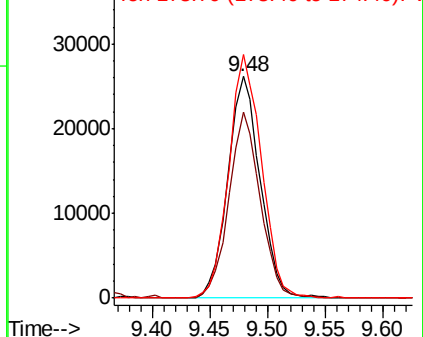
174 110.6 86.8 130.2

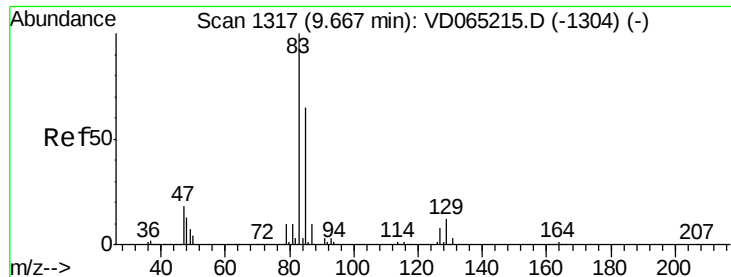


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.666 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

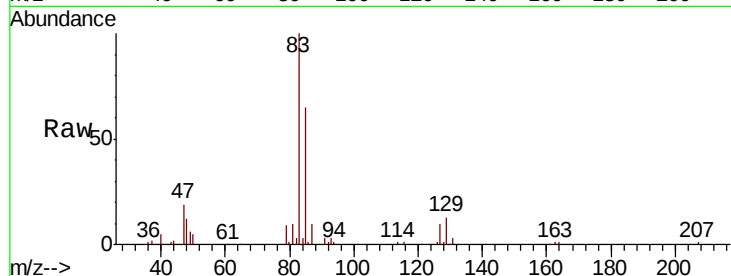
Tot Ion: 83 Resp: 134168

Ion Ratio Lower Upper

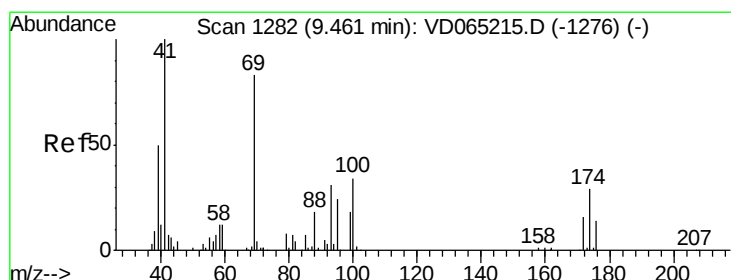
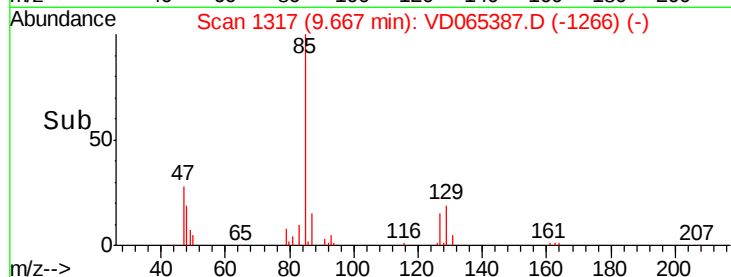
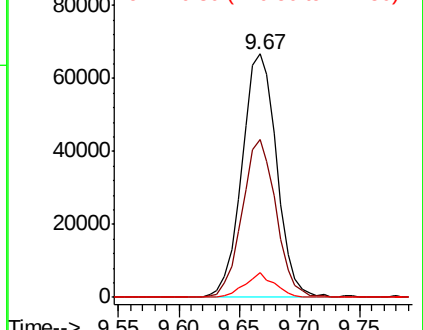
83 100

85 64.8 52.0 78.0

127 10.0 6.7 10.1



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: 20.726 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

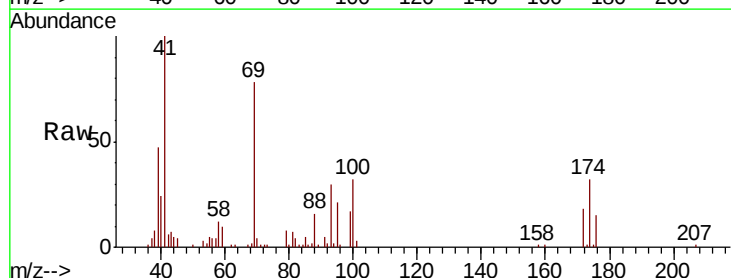
Tgt Ion: 41 Resp: 47389

Ion Ratio Lower Upper

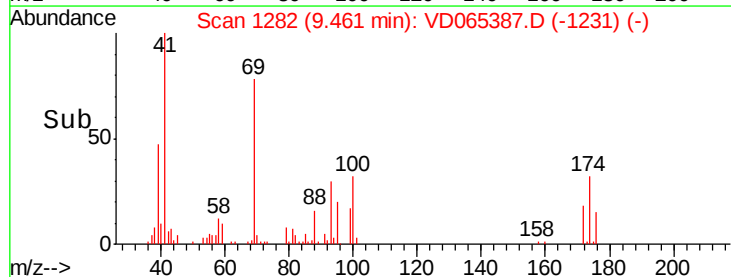
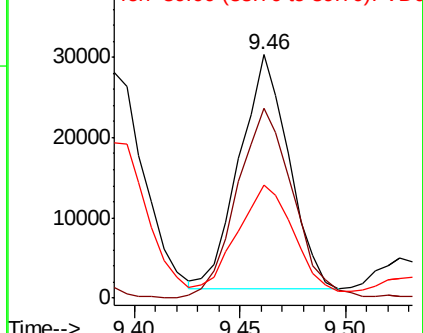
41 100

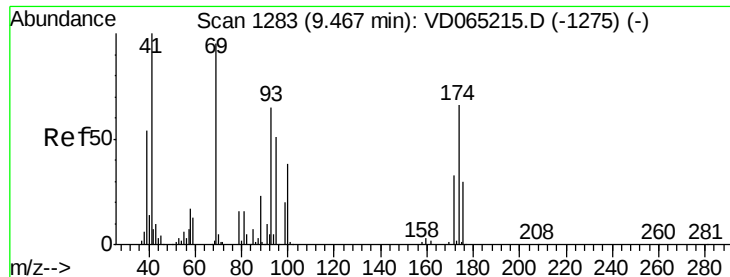
69 92.7 68.2 102.2

39 58.7 42.0 63.0



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

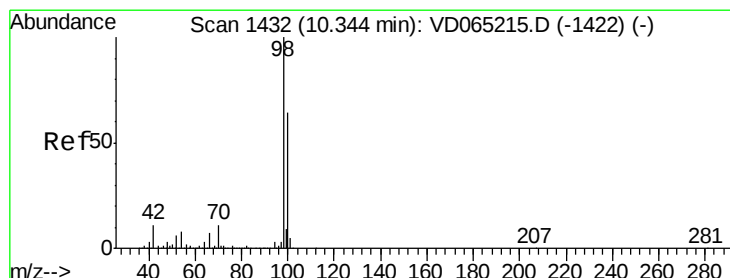
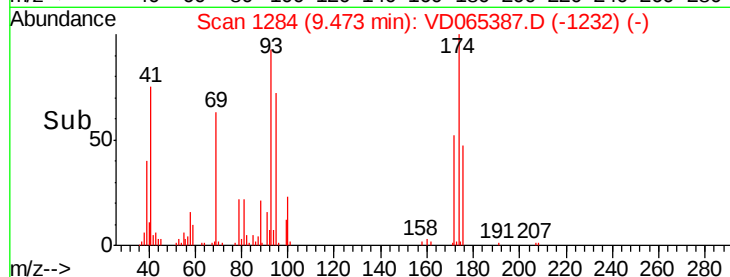
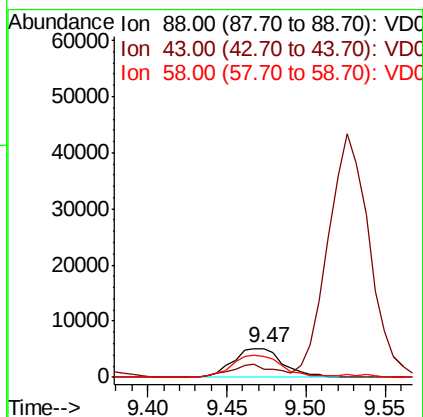
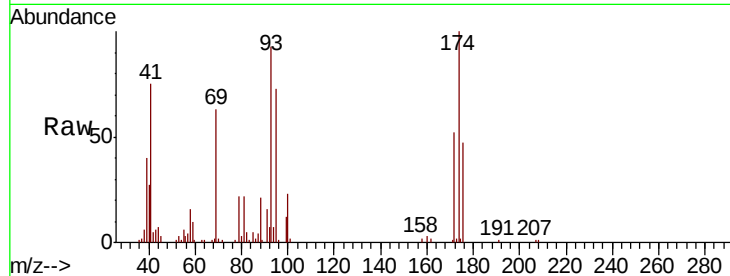




#49
1,4-Dioxane
Concen: 402.982 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

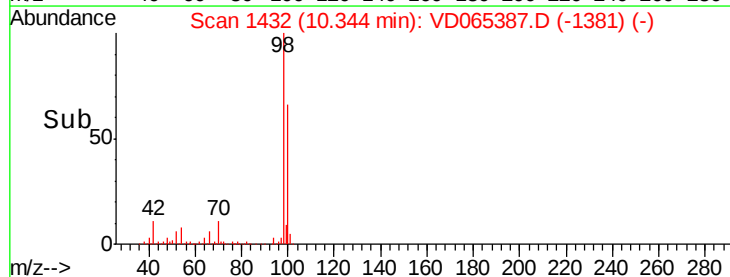
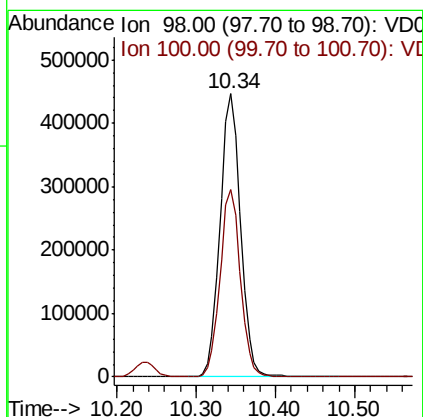
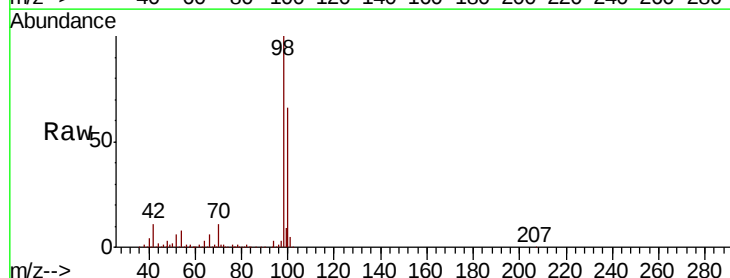
Instrument :
MSVOA_D
ClientSampleId :

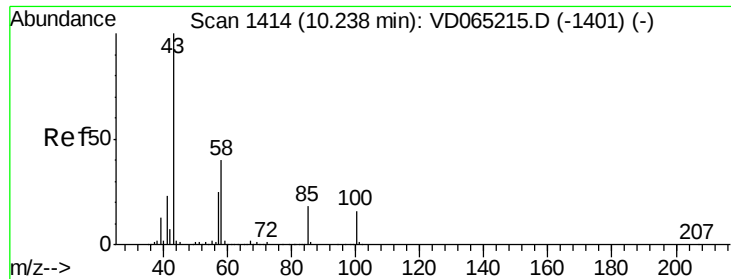
Tot Ion: 88 Resp: 11106
Ion Ratio Lower Upper
88 100
43 41.9 28.5 42.7
58 77.8 58.6 87.8



#50
Toluene-d8
Concen: 51.517 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion: 98 Resp: 803067
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 106.496 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

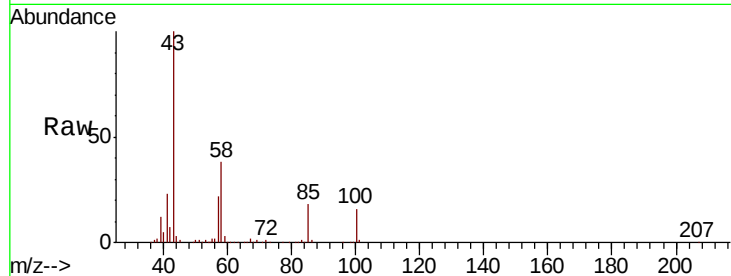
ClientSampleId :

Tot Ion: 43 Resp: 267565

Ion Ratio Lower Upper

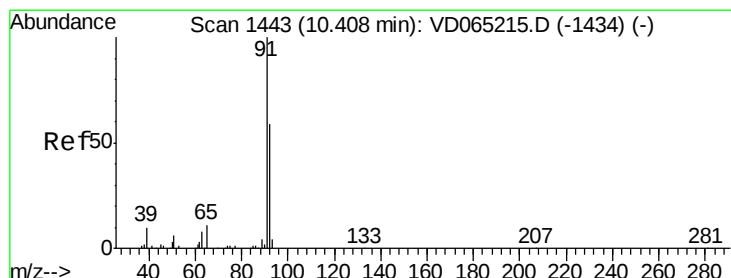
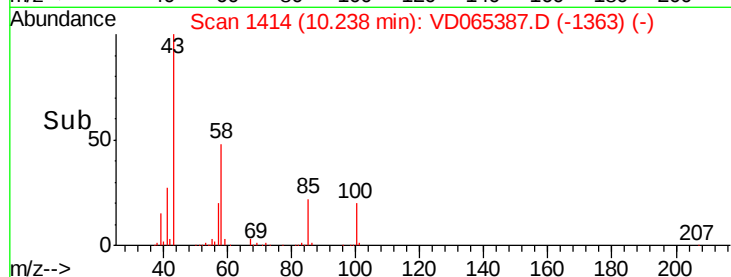
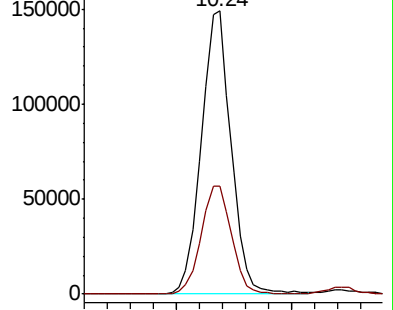
43 100

58 39.0 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.171 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065387.D

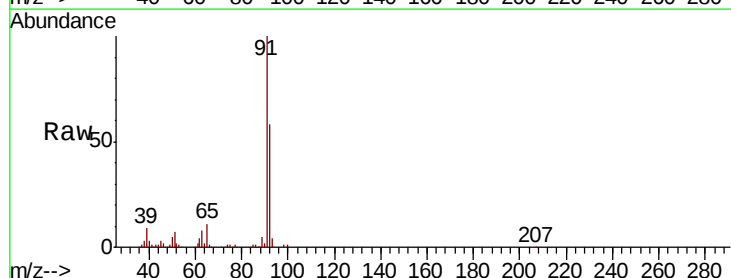
Acq: 03 Mar 2020 11:47

Tgt Ion: 92 Resp: 252055

Ion Ratio Lower Upper

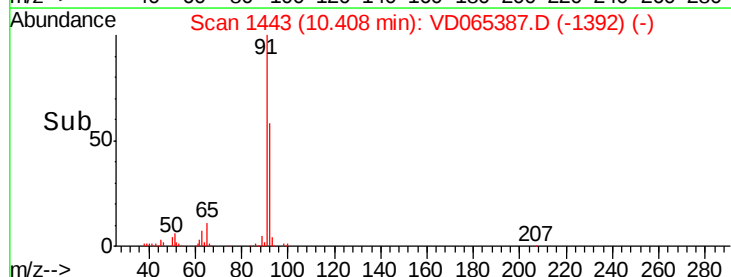
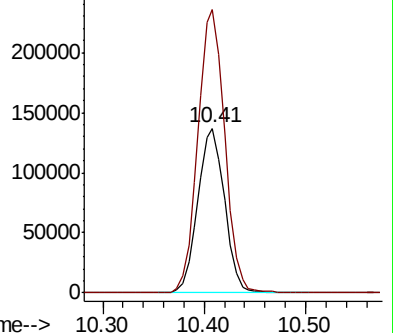
92 100

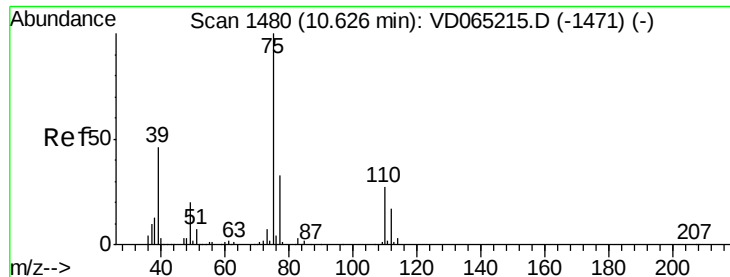
91 172.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.388 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

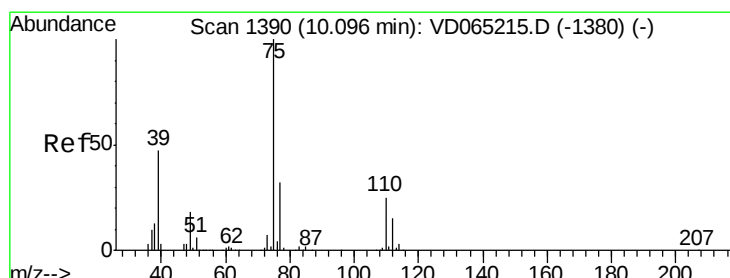
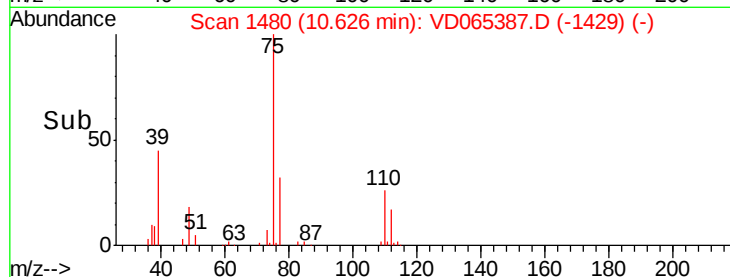
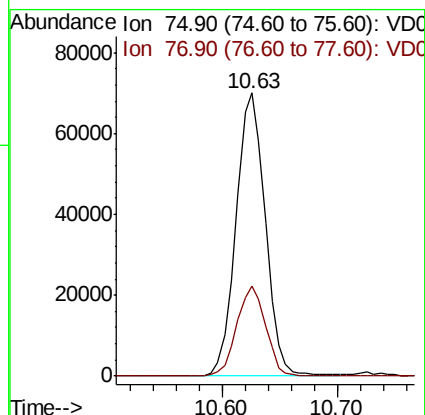
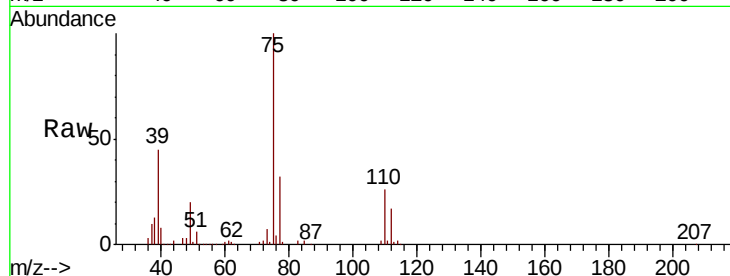
ClientSampleId :

Tot Ion: 75 Resp: 122763

Ion Ratio Lower Upper

75 100

77 31.9 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 21.330 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

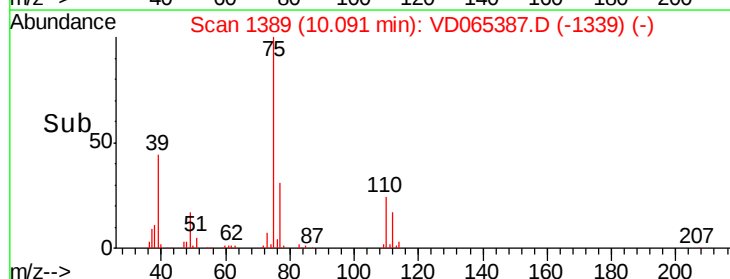
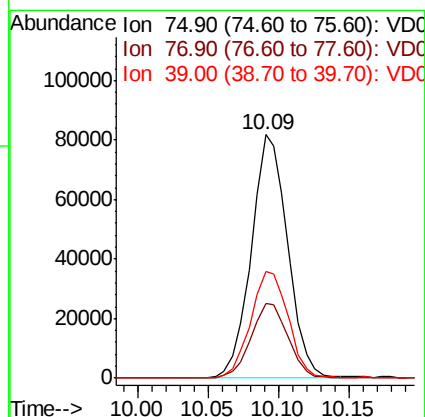
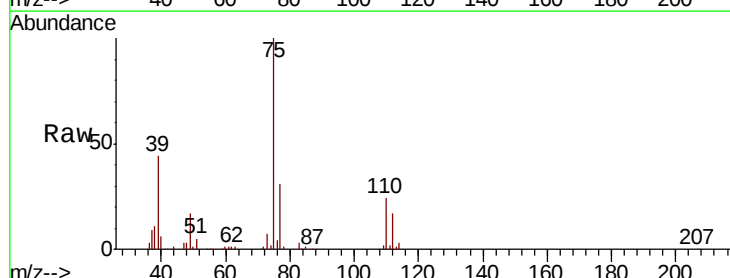
Tgt Ion: 75 Resp: 147845

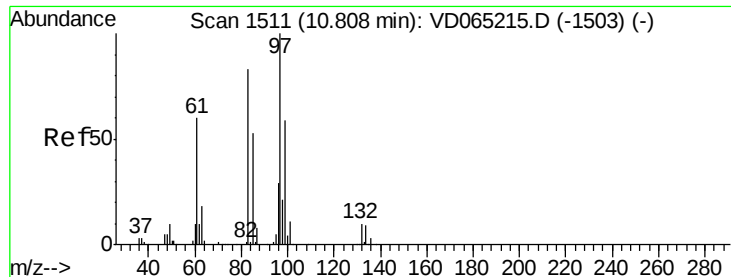
Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.8

39 43.7 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 22.309 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 73784

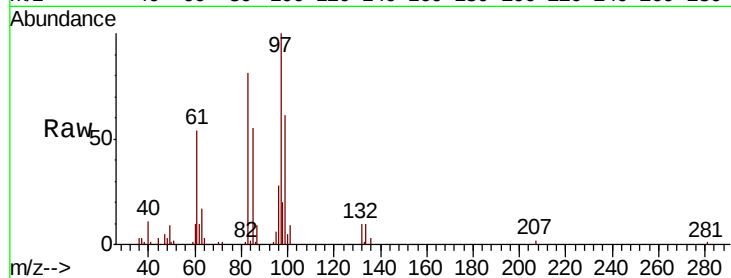
Ion Ratio Lower Upper

97 100

83 81.1 66.7 100.1

85 54.6 42.4 63.6

99 61.3 47.5 71.3

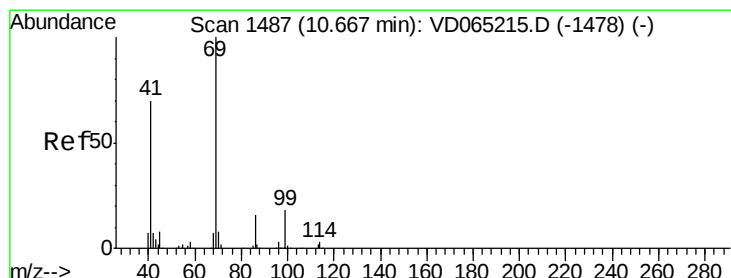
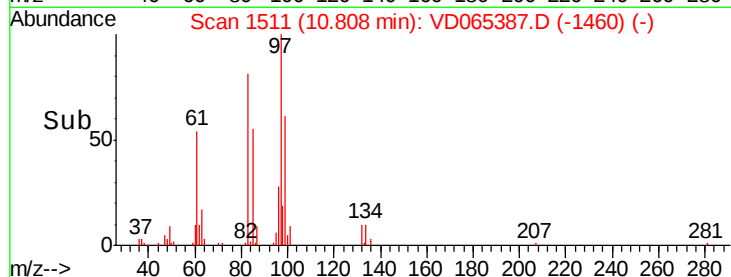
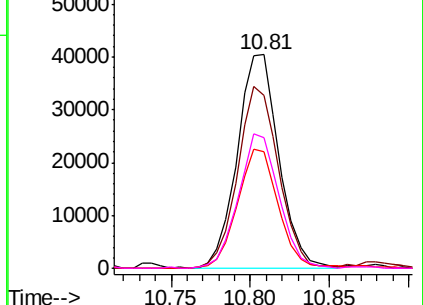


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.237 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

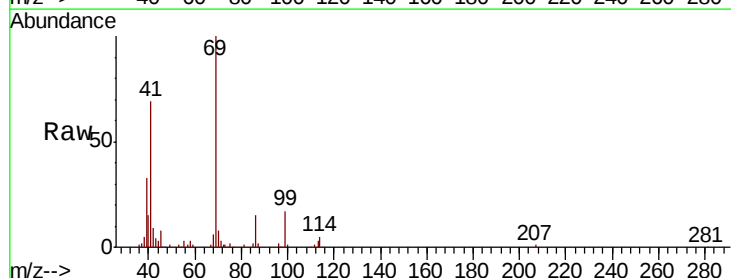
Tgt Ion: 69 Resp: 81071

Ion Ratio Lower Upper

69 100

41 68.4 54.6 81.8

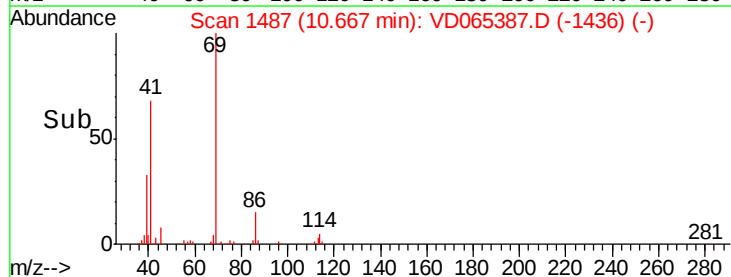
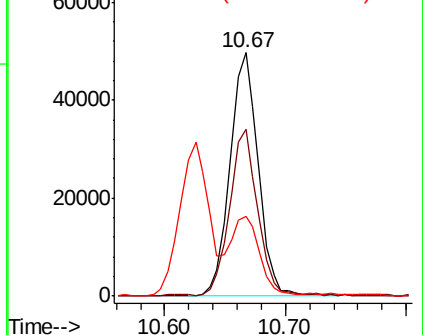
39 30.5 26.5 39.7

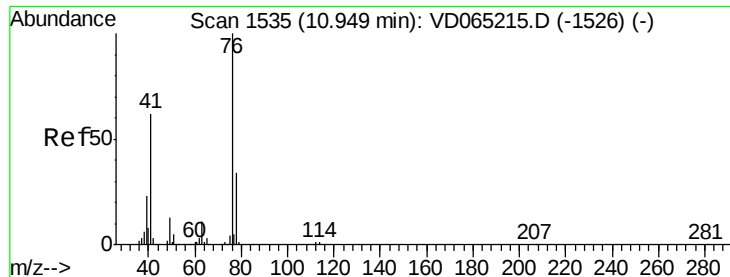


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 22.024 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

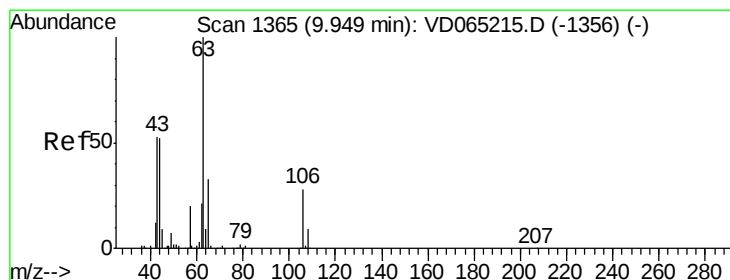
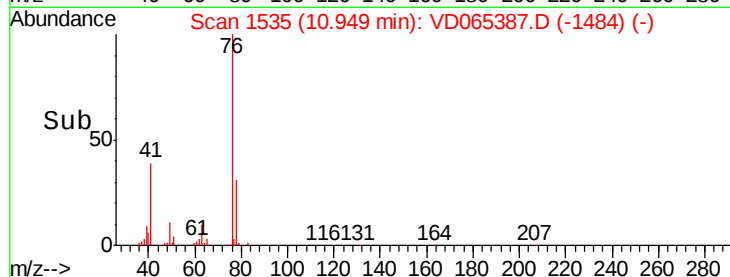
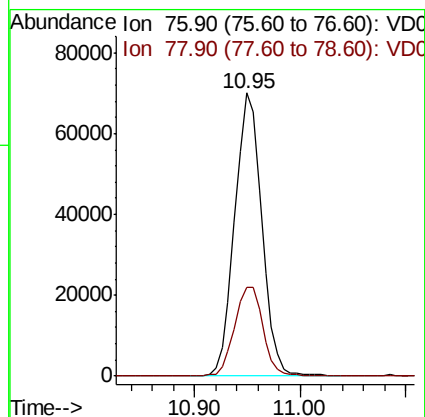
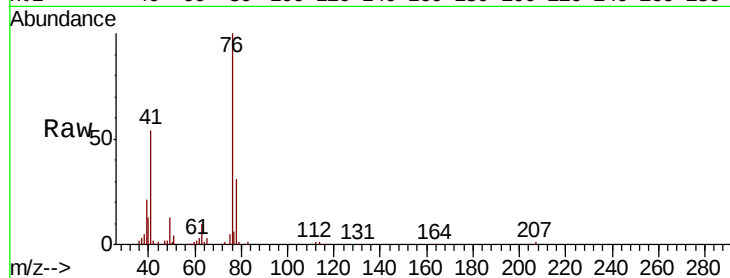
ClientSampleId :

Tot Ion: 76 Resp: 123973

Ion Ratio Lower Upper

76 100

78 32.8 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 98.010 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065387.D

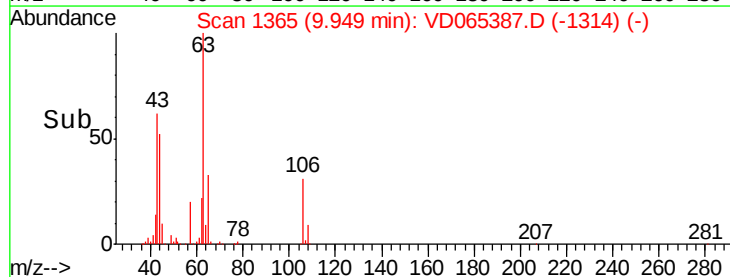
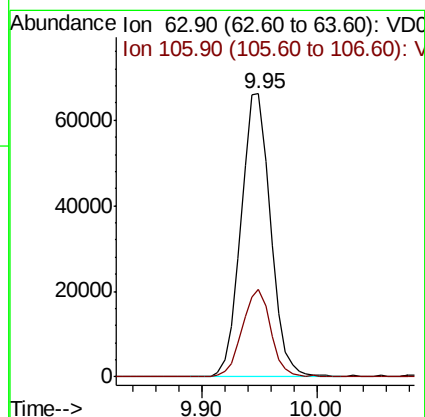
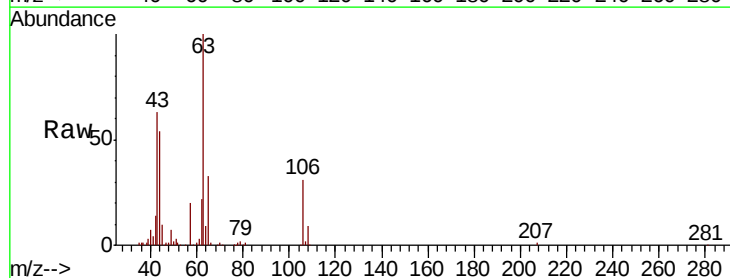
Acq: 03 Mar 2020 11:47

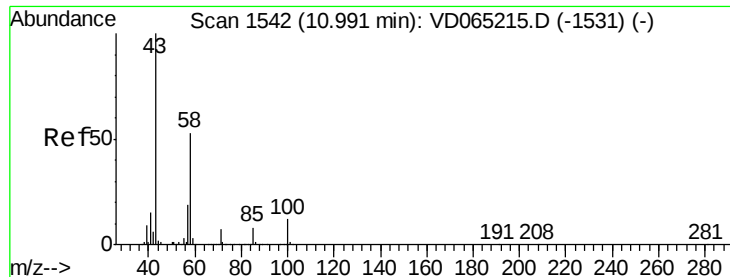
Tgt Ion: 63 Resp: 117957

Ion Ratio Lower Upper

63 100

106 29.8 22.8 34.2

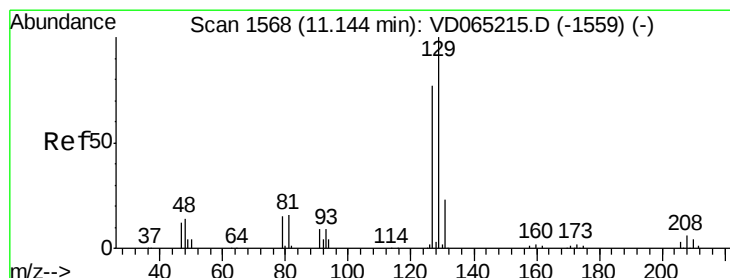
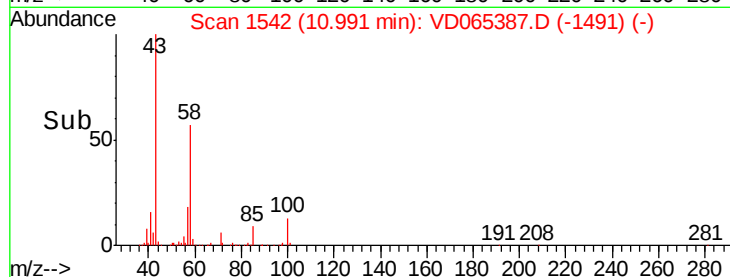
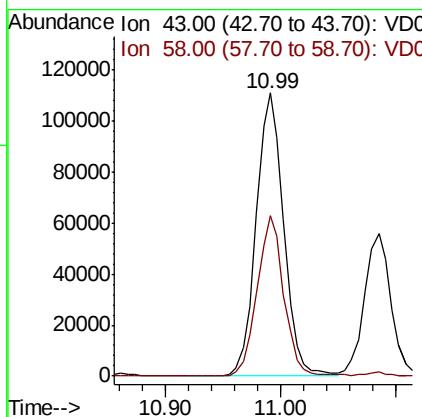
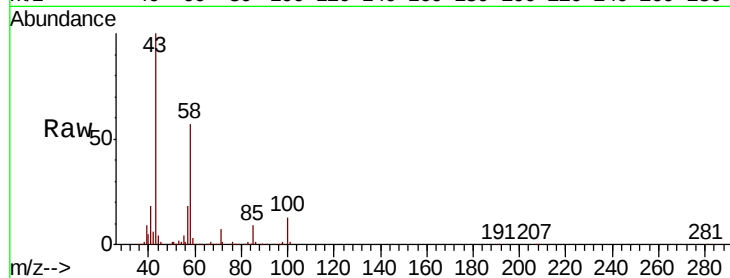




#59
2-Hexanone
Concen: 102.628 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

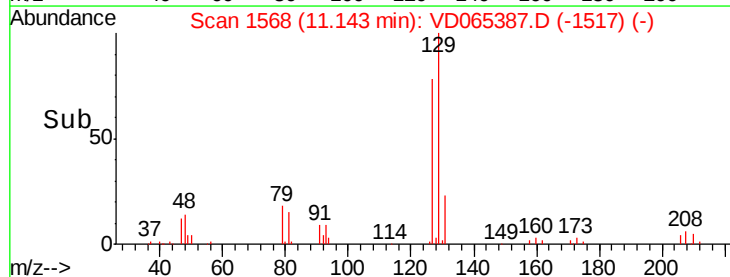
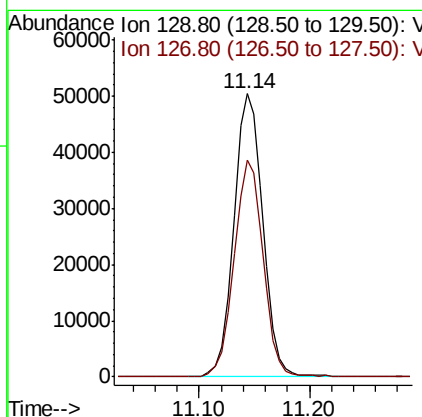
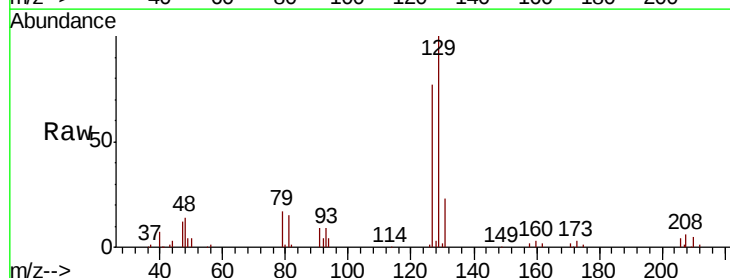
Instrument :
MSVOA_D
ClientSampleId :

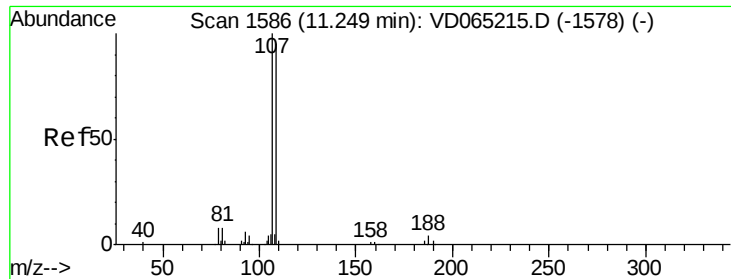
Tot Ion: 43 Resp: 184576
Ion Ratio Lower Upper
43 100
58 55.2 26.3 78.8



#60
Dibromochloromethane
Concen: 21.890 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion: 129 Resp: 92664
Ion Ratio Lower Upper
129 100
127 76.9 38.7 116.1

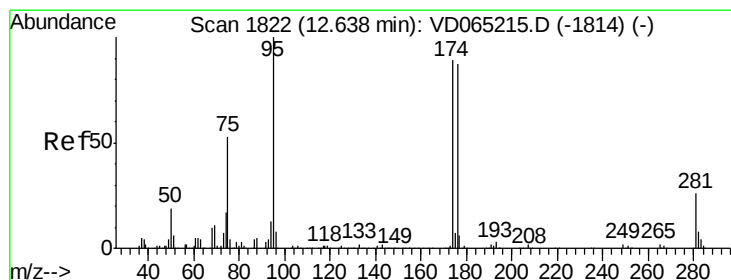
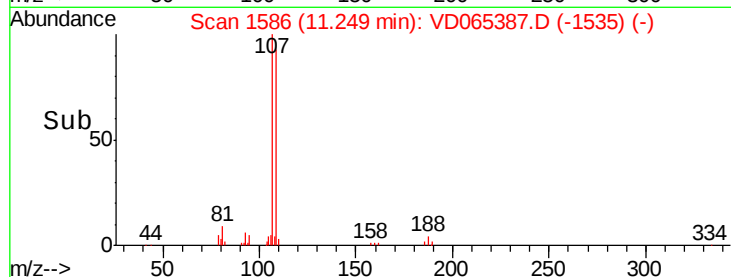
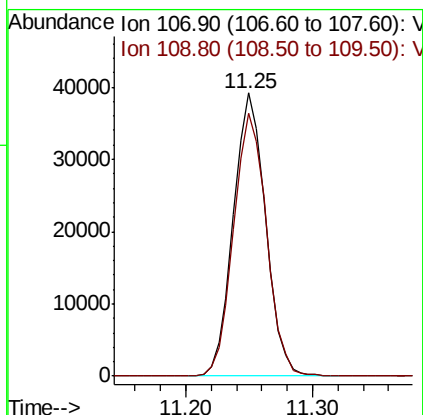
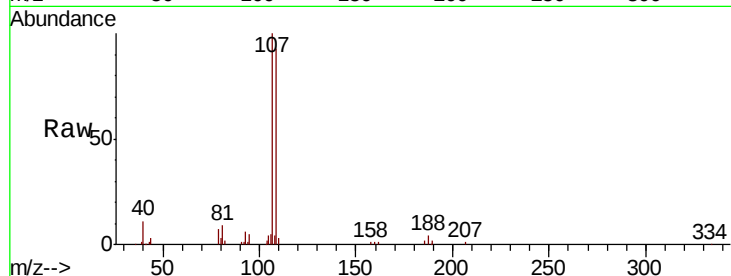




#61
 1,2-Dibromoethane
 Concen: 22.088 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

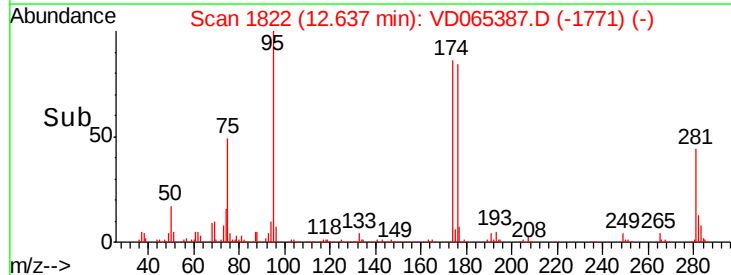
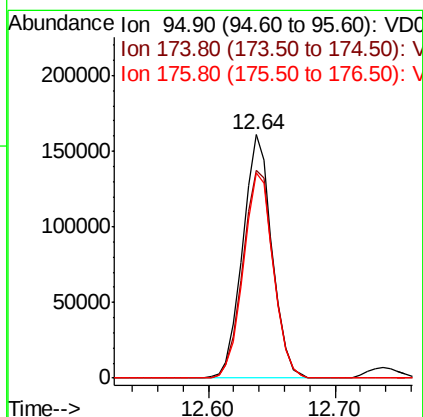
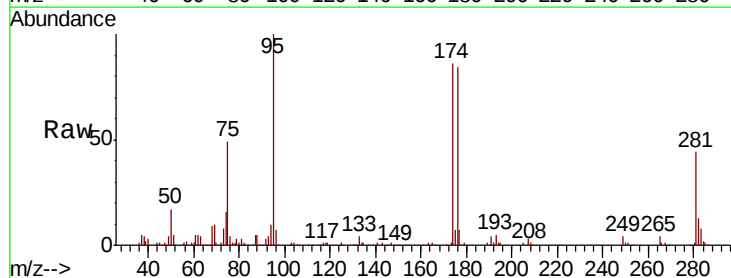
Instrument :
 MSVOA_D
 ClientSampleId :

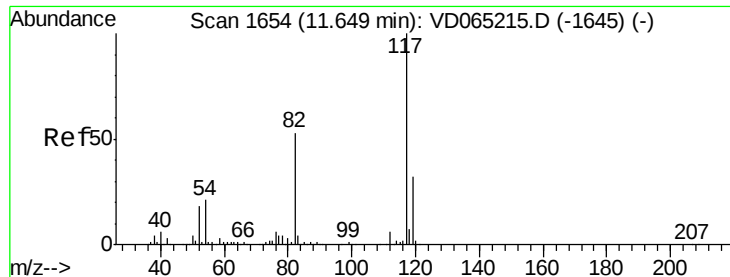
Tot Ion: 107 Resp: 69166
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 52.149 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Tgt Ion: 95 Resp: 257525
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.0
 176 86.4 0.0 174.4

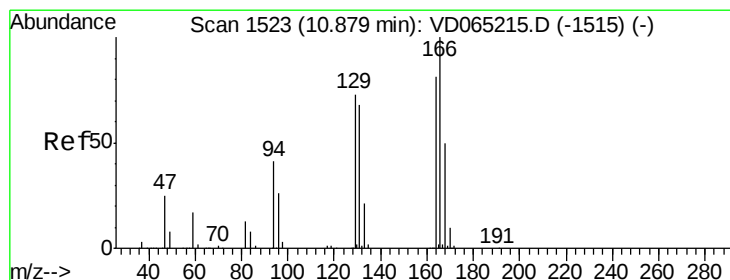
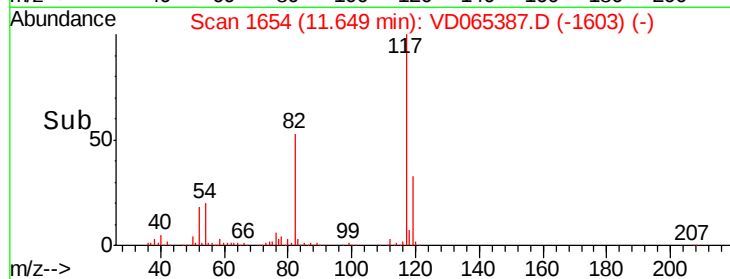
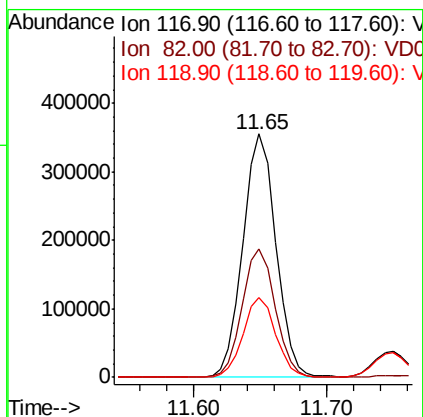
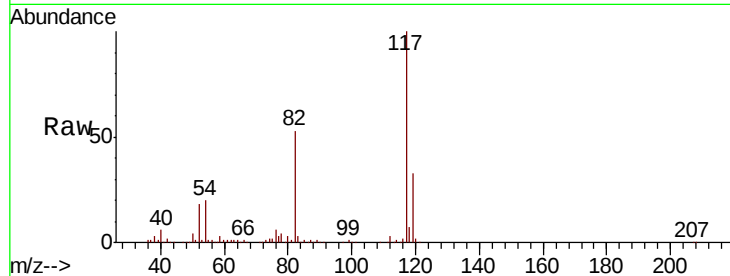




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

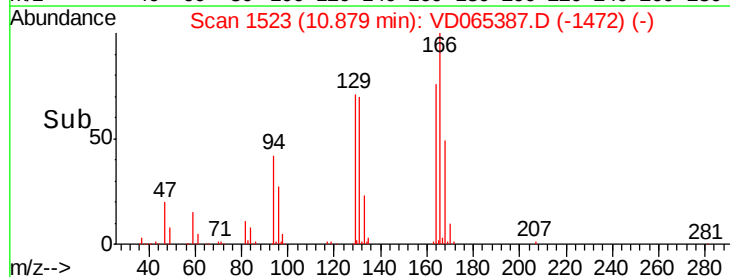
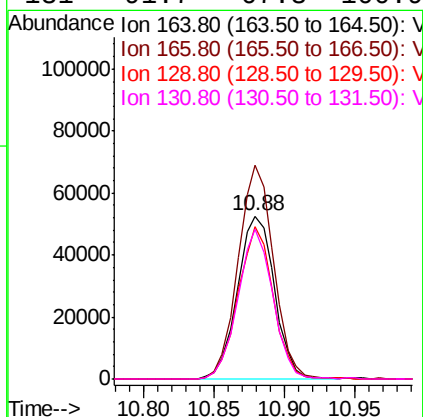
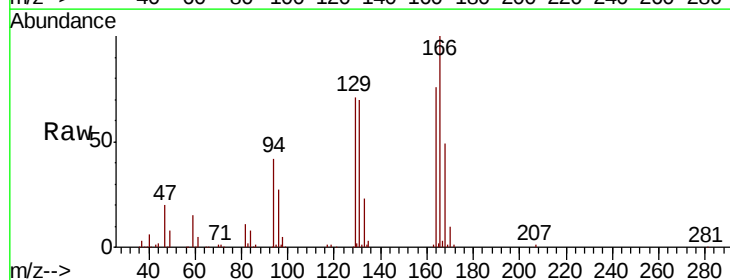
Instrument :
MSVOA_D
ClientSampled :

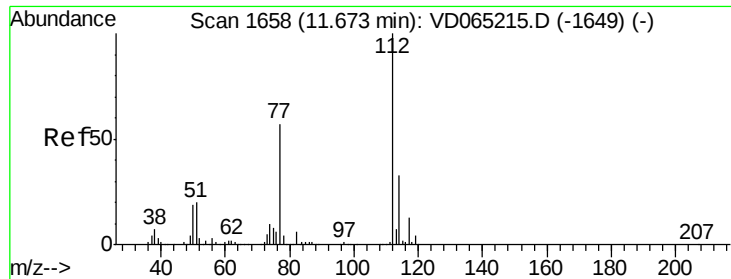
Tot Ion:117 Resp: 608472
Ion Ratio Lower Upper
117 100
82 52.7 42.7 64.1
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 22.337 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion:164 Resp: 96396
Ion Ratio Lower Upper
164 100
166 131.1 98.4 147.6
129 93.2 71.6 107.4
131 91.7 67.3 100.9

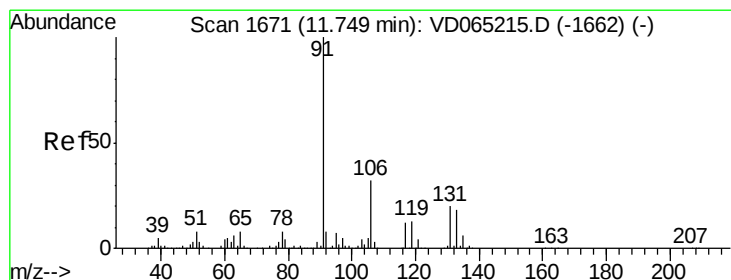
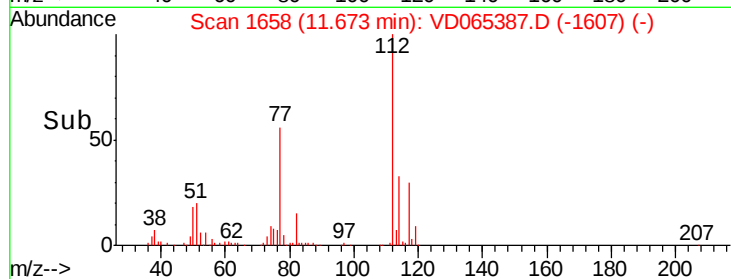
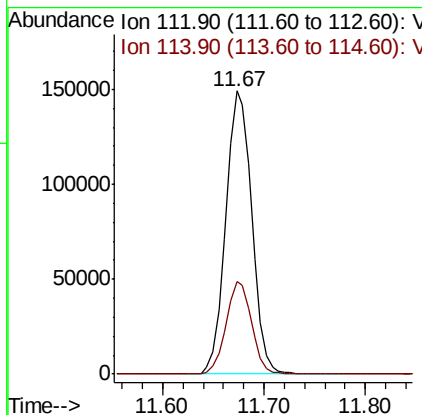
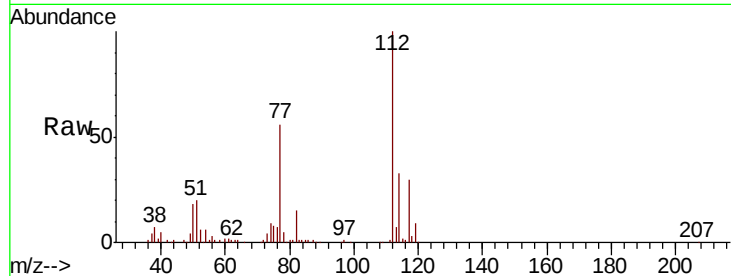




#65
Chlorobenzene
Concen: 21.679 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

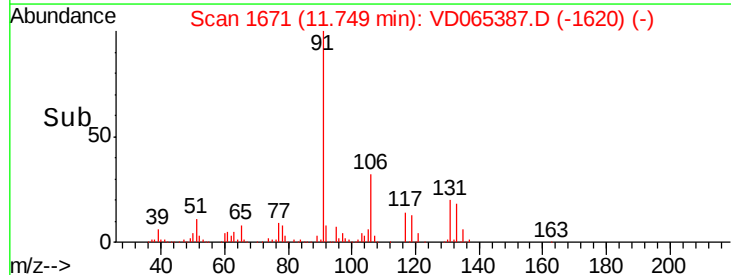
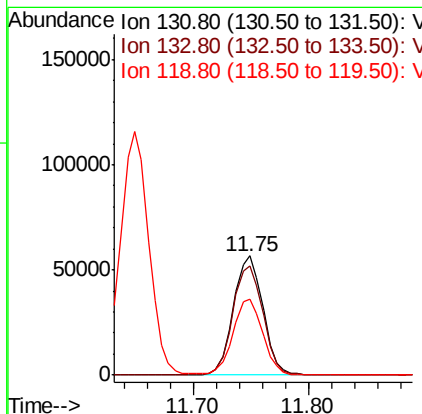
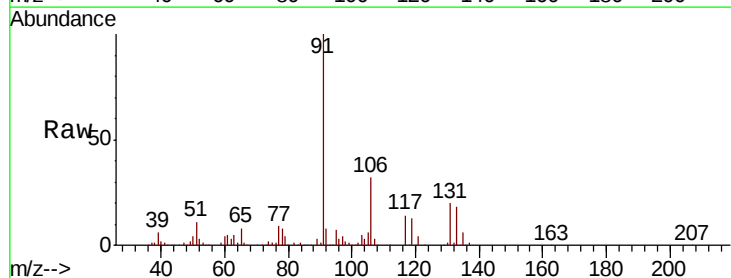
Instrument :
MSVOA_D
ClientSampleId :

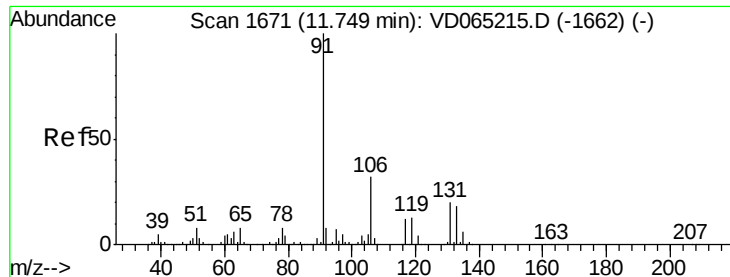
Tot Ion:112 Resp: 264710
Ion Ratio Lower Upper
112 100
114 32.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.135 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion:131 Resp: 100859
Ion Ratio Lower Upper
131 100
133 93.3 47.7 143.1
119 64.3 32.7 98.1





#67

Ethyl Benzene

Concen: 21.359 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

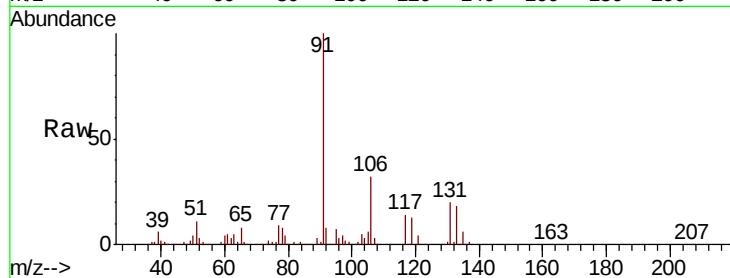
ClientSampled :

Tot Ion: 91 Resp: 456770

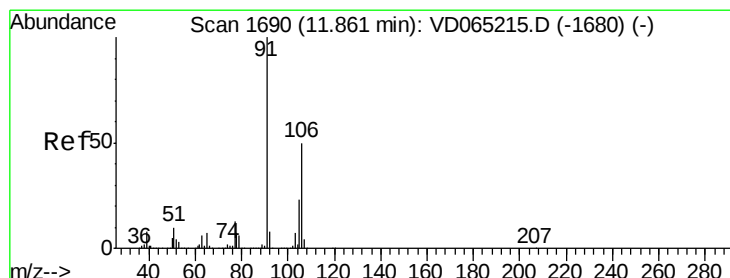
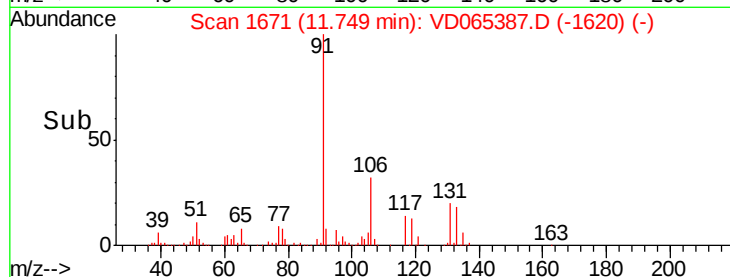
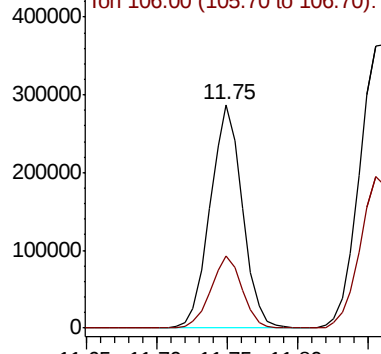
Ion Ratio Lower Upper

91 100

106 32.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 44.478 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065387.D

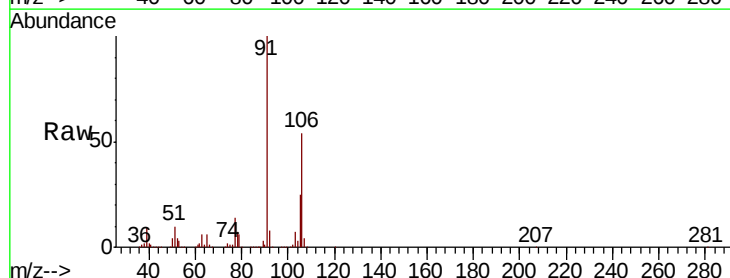
Acq: 03 Mar 2020 11:47

Tgt Ion: 106 Resp: 363911

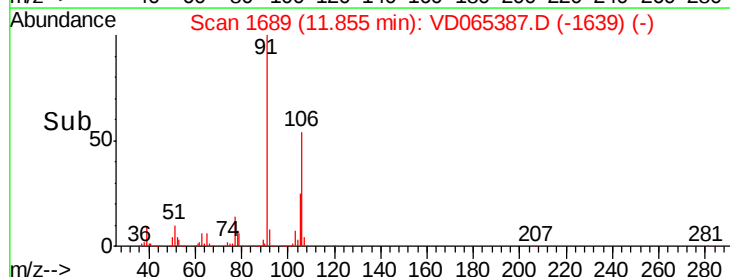
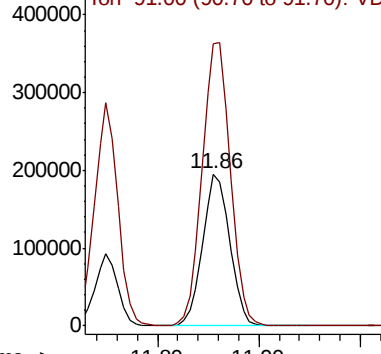
Ion Ratio Lower Upper

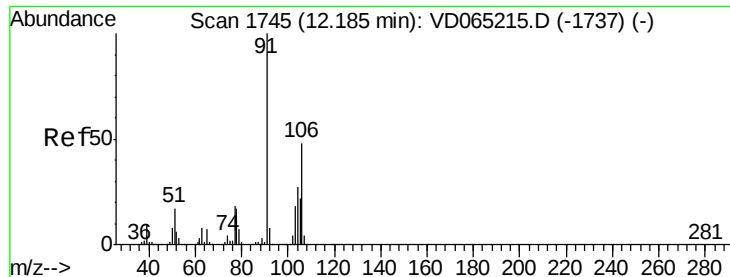
106 100

91 193.6 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

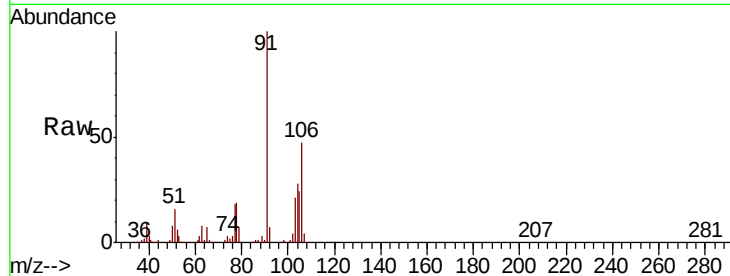




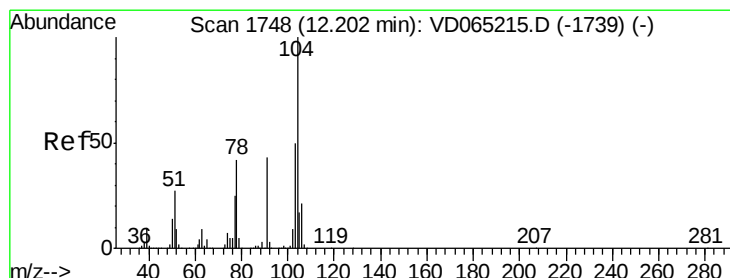
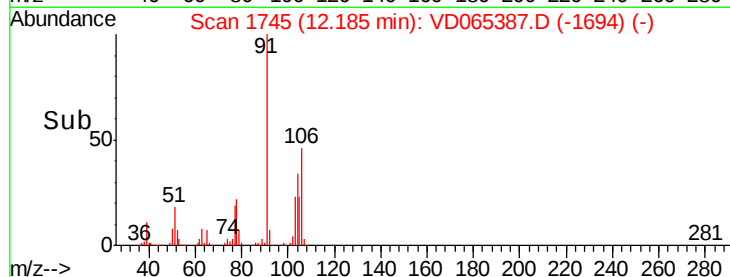
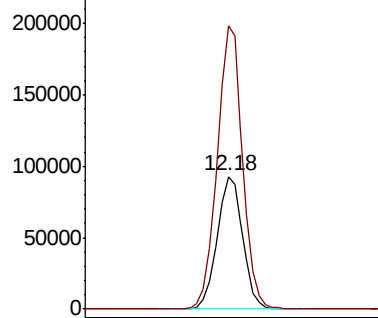
#69
o-Xylene
Concen: 21.568 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 156340
Ion Ratio Lower Upper
106 100
91 211.1 104.7 313.9

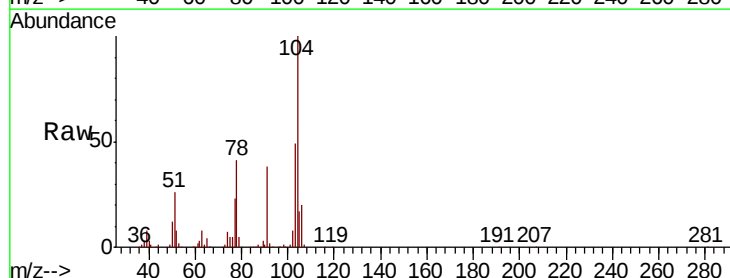


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

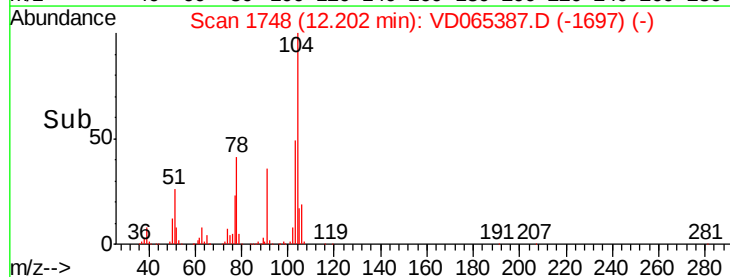
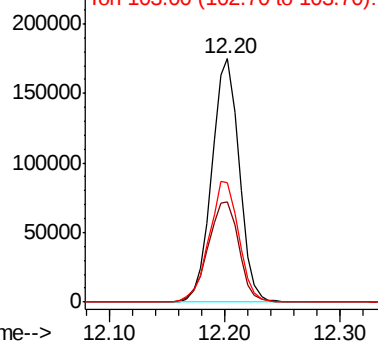


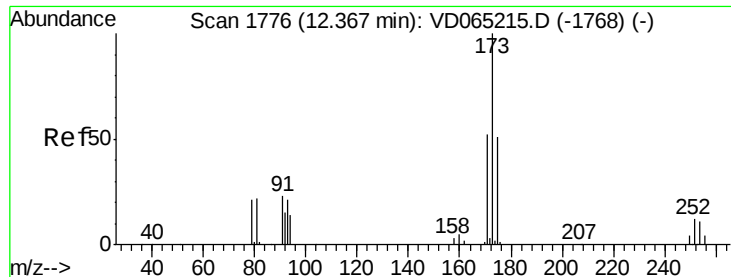
#70
Styrene
Concen: 22.366 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion:104 Resp: 287843
Ion Ratio Lower Upper
104 100
78 46.3 37.8 56.6
103 53.9 43.4 65.2



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





#71

Bromoform

Concen: 22.397 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

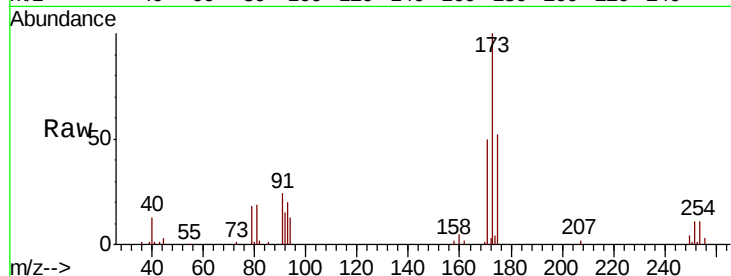
Tot Ion:173 Resp: 56631

Ion Ratio Lower Upper

173 100

175 50.7 24.4 73.4

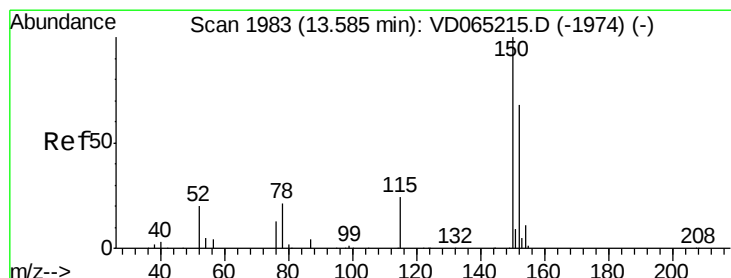
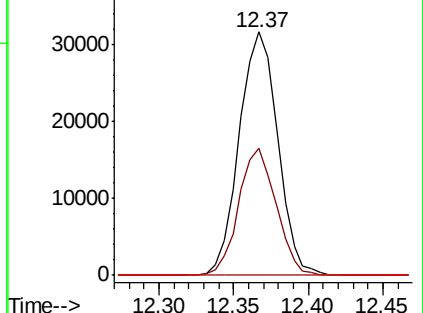
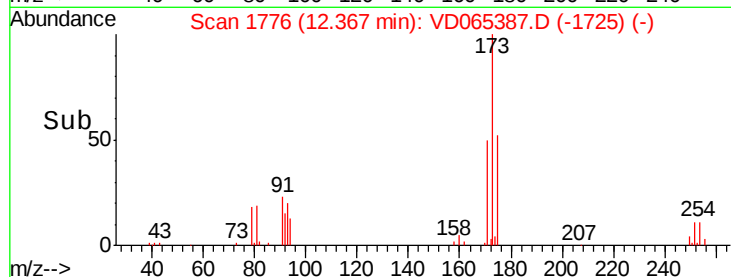
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

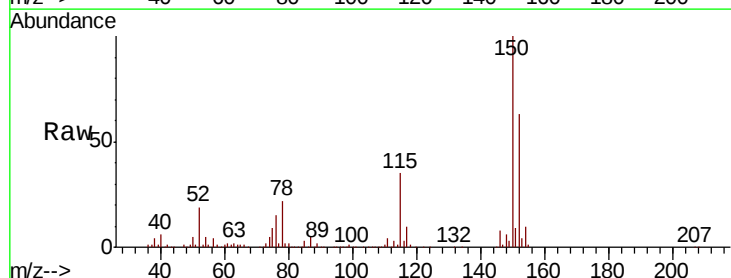
Tgt Ion:152 Resp: 308636

Ion Ratio Lower Upper

152 100

115 55.0 27.6 82.8

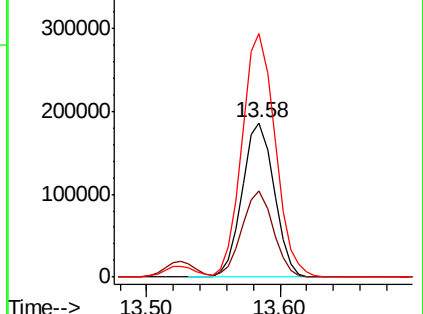
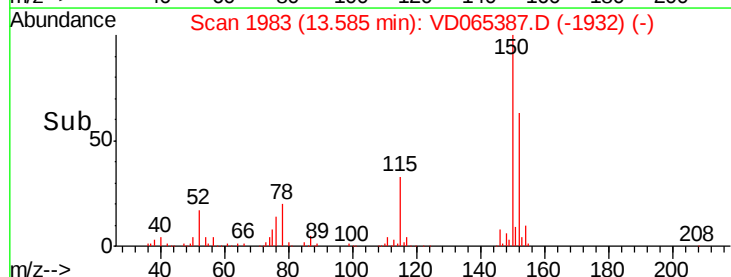
150 163.8 0.0 347.4

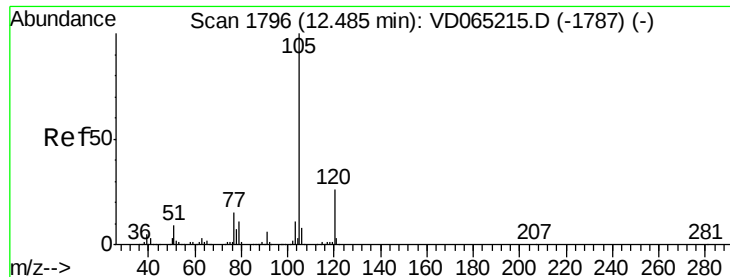


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.210 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

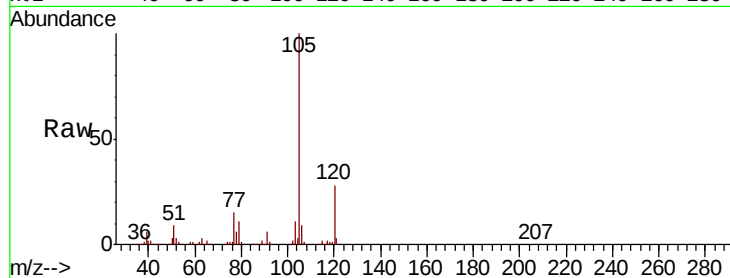
ClientSampleId :

Tot Ion:105 Resp: 433390

Ion Ratio Lower Upper

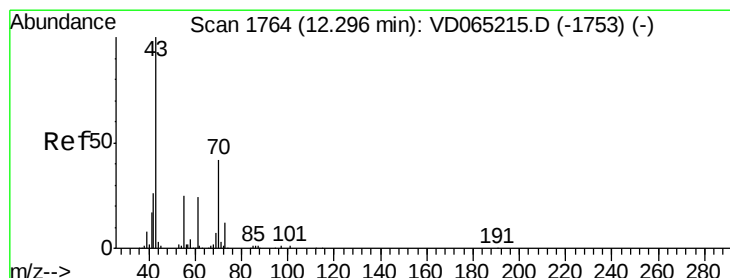
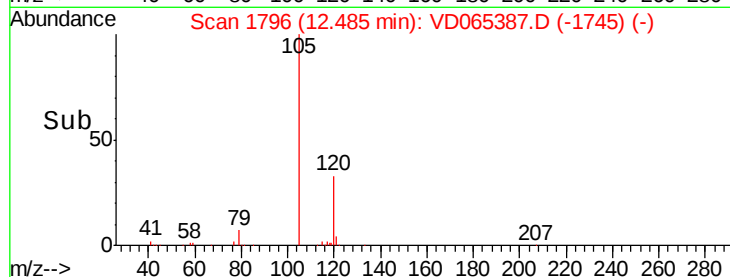
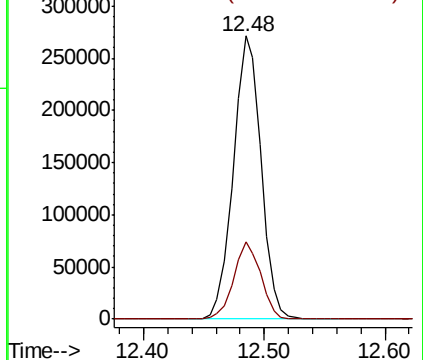
105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.839 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Tgt Ion: 43 Resp: 90076

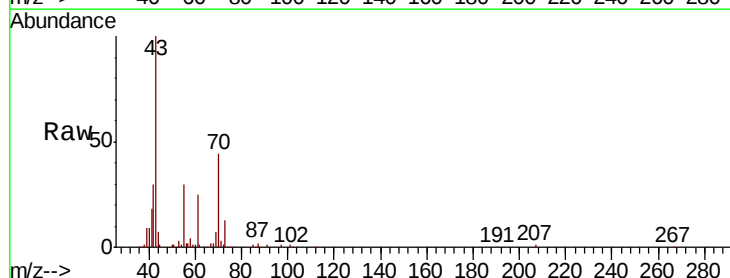
Ion Ratio Lower Upper

43 100

70 45.6 33.7 50.5

55 29.2 20.7 31.1

61 25.2 19.0 28.4

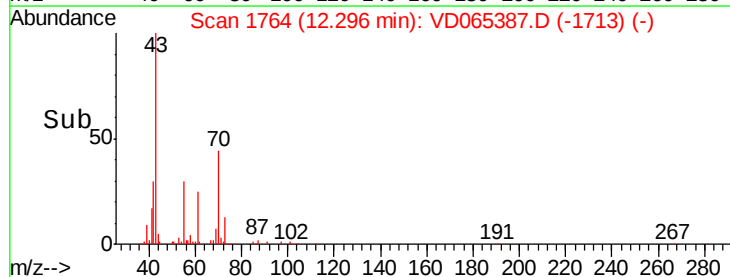
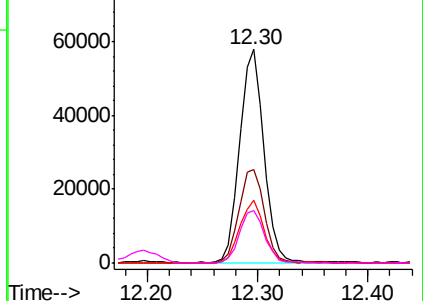


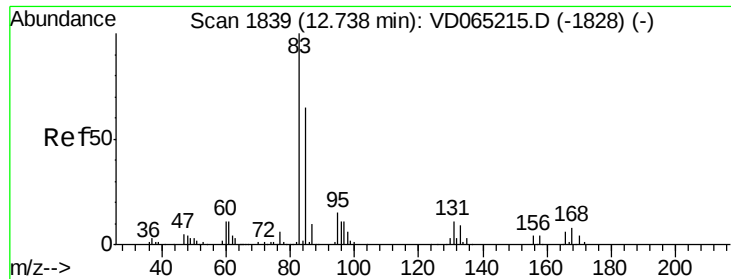
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.570 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

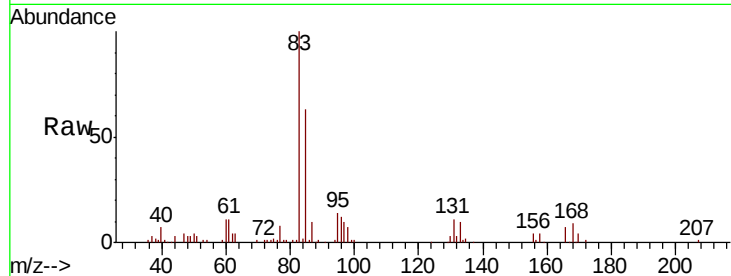
Tot Ion: 83 Resp: 79543

Ion Ratio Lower Upper

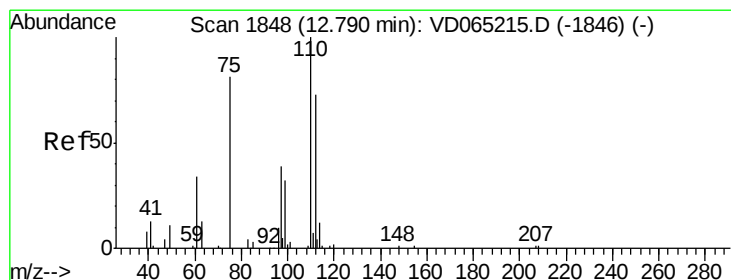
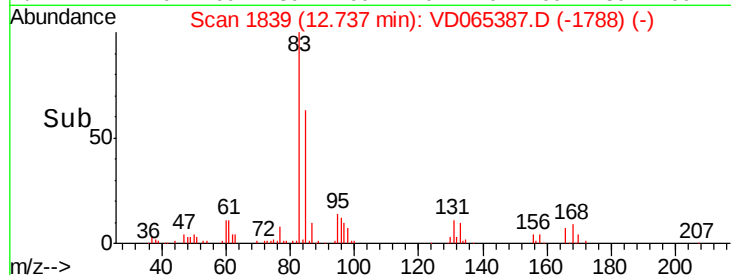
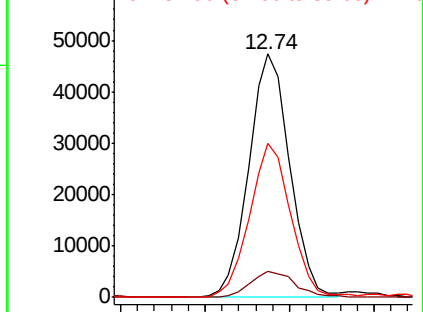
83 100

131 11.5 5.4 16.2

85 64.1 31.6 94.8



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



#76

1,2,3-Trichloropropane

Concen: 38.278 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065387.D

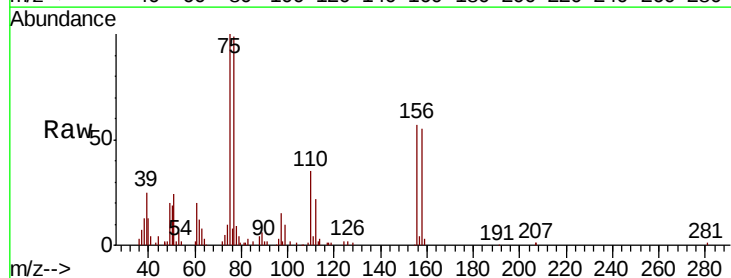
Acq: 03 Mar 2020 11:47

Tgt Ion: 75 Resp: 100517

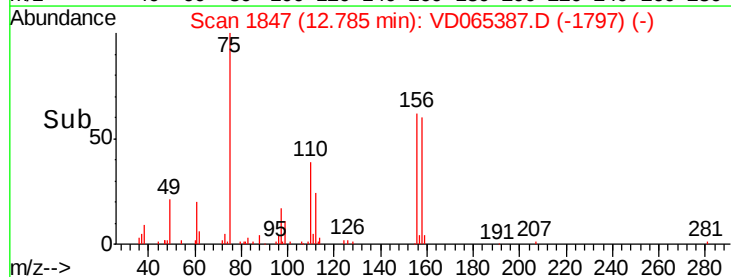
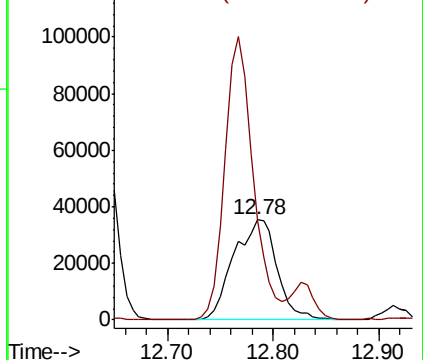
Ion Ratio Lower Upper

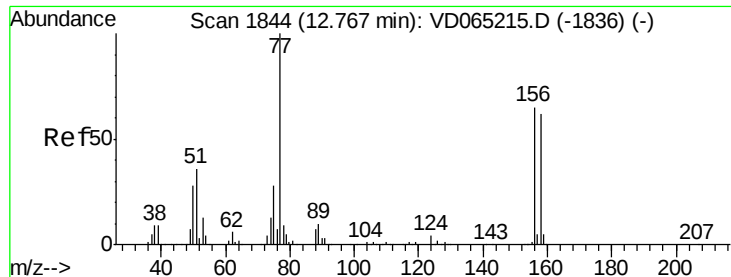
75 100

77 186.4 0.0 0.0#



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





#77

Bromobenzene

Concen: 21.575 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampled :

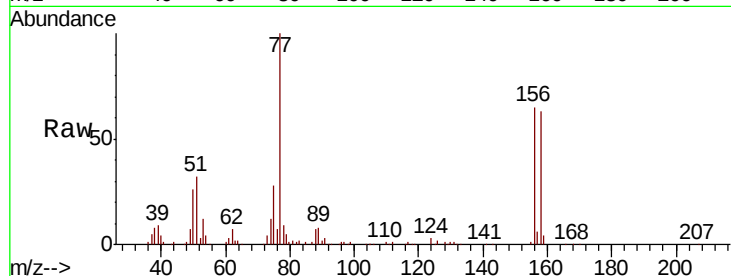
Tot Ion:156 Resp: 109470

Ion Ratio Lower Upper

156 100

77 171.2 86.6 259.7

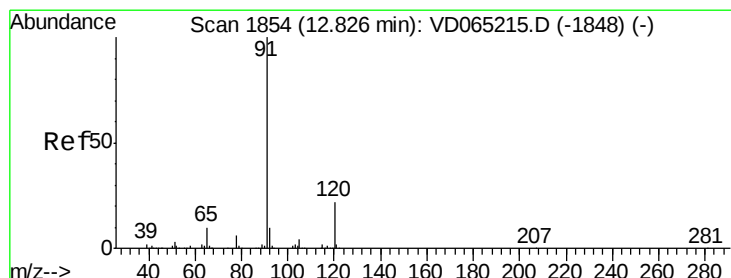
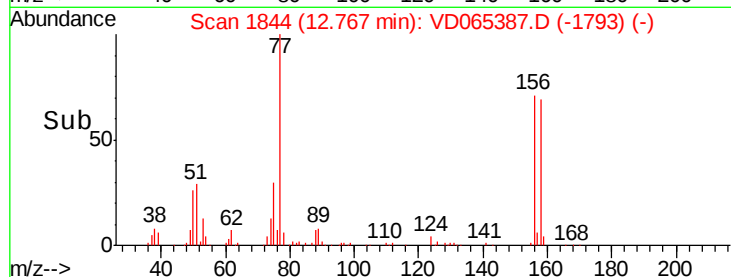
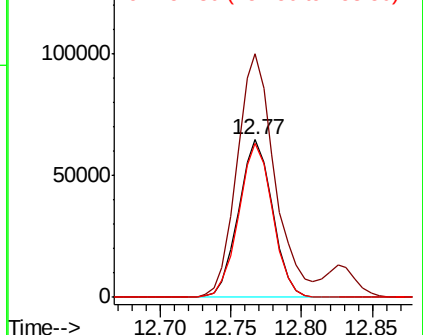
158 97.1 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.667 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065387.D

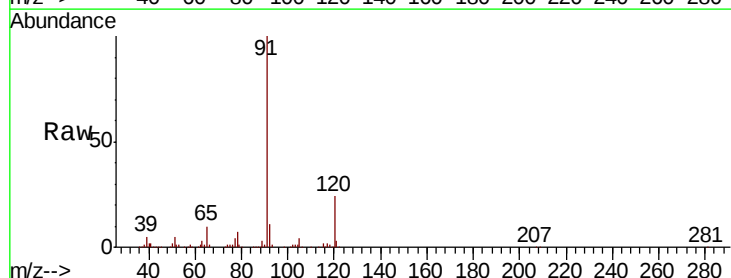
Acq: 03 Mar 2020 11:47

Tgt Ion: 91 Resp: 532027

Ion Ratio Lower Upper

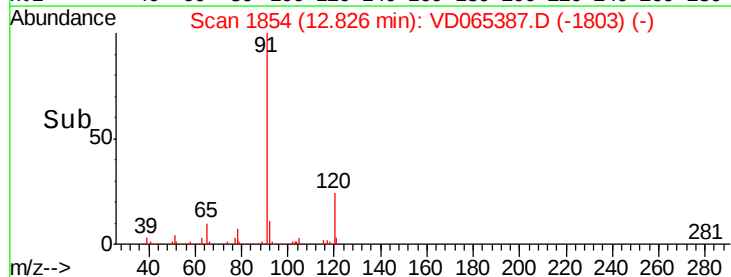
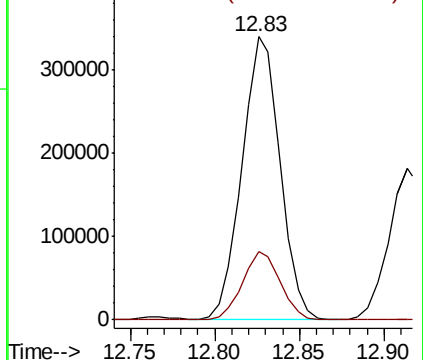
91 100

120 24.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.437 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

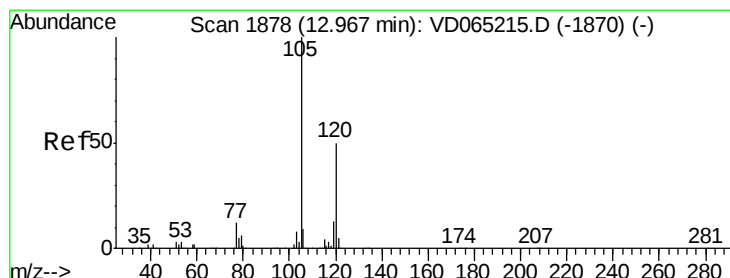
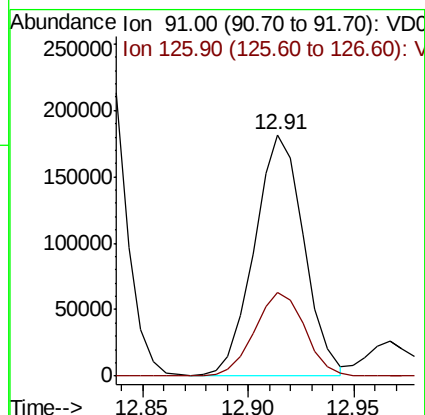
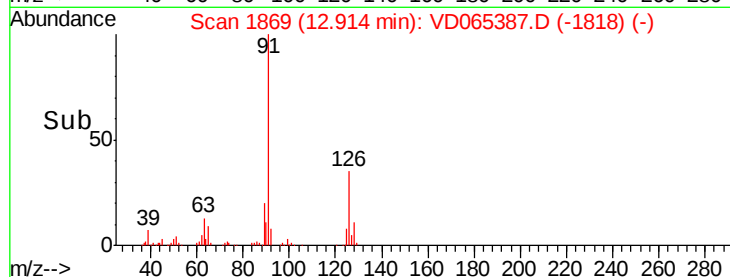
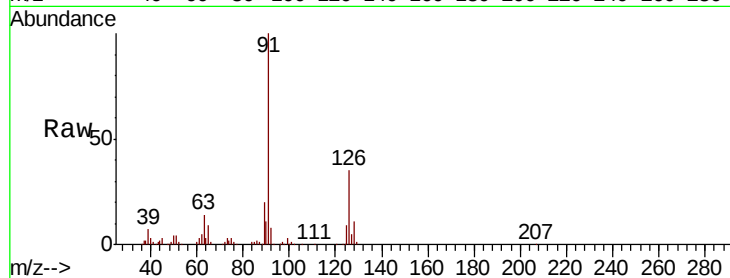
ClientSampled :

Tot Ion: 91 Resp: 294891

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 21.844 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065387.D

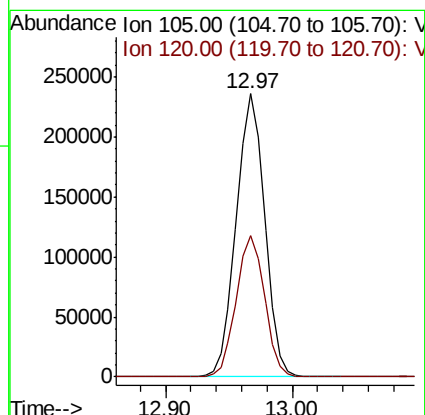
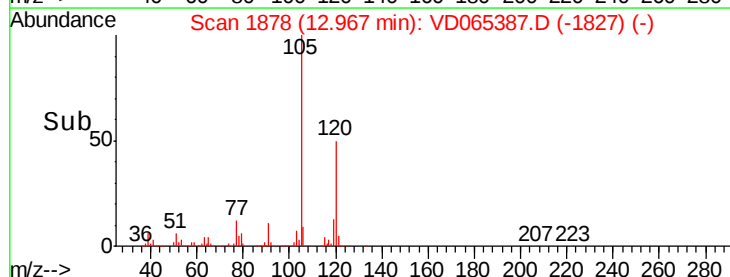
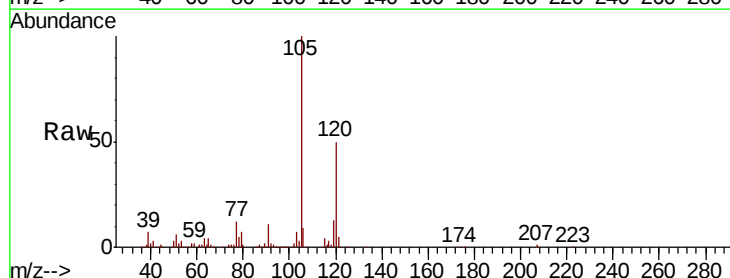
Acq: 03 Mar 2020 11:47

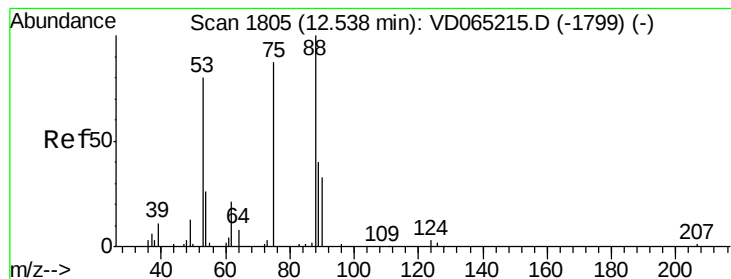
Tgt Ion: 105 Resp: 367625

Ion Ratio Lower Upper

105 100

120 49.6 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.776 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

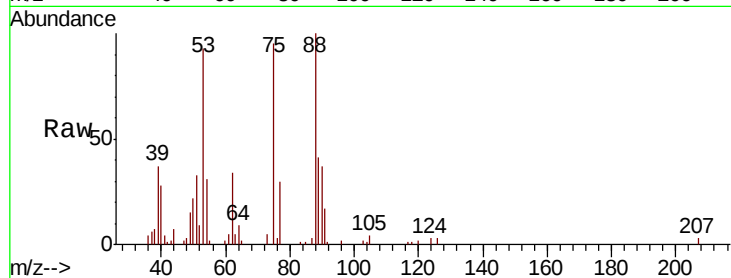
Tot Ion: 75 Resp: 25268

Ion Ratio Lower Upper

75 100

53 90.0 77.6 116.4

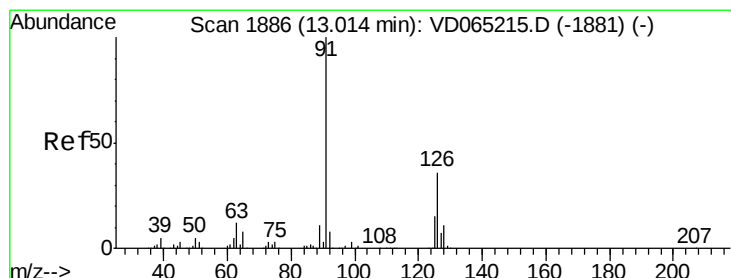
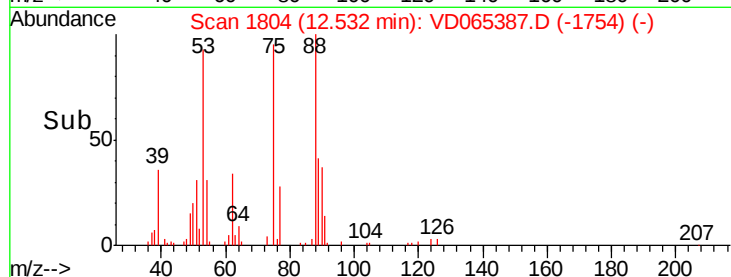
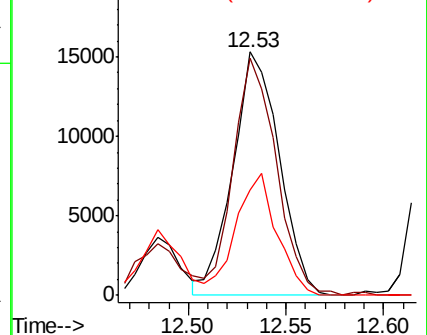
89 44.4 37.2 55.8



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: 21.373 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065387.D

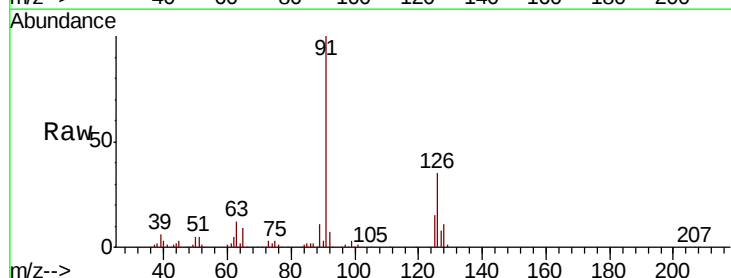
Acq: 03 Mar 2020 11:47

Tgt Ion: 91 Resp: 312131

Ion Ratio Lower Upper

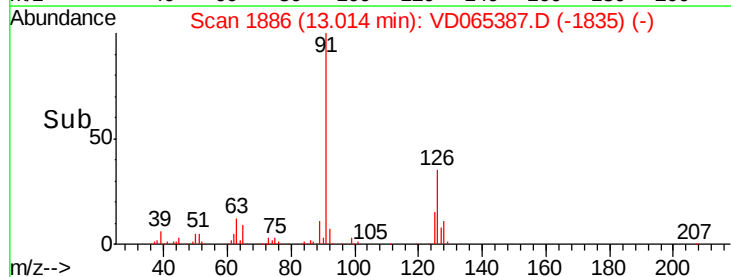
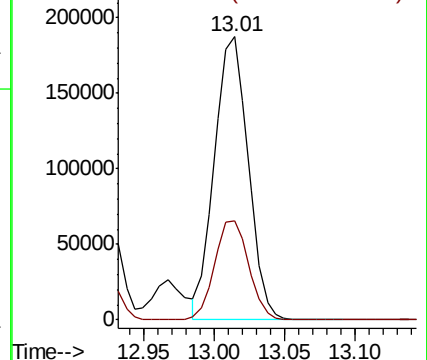
91 100

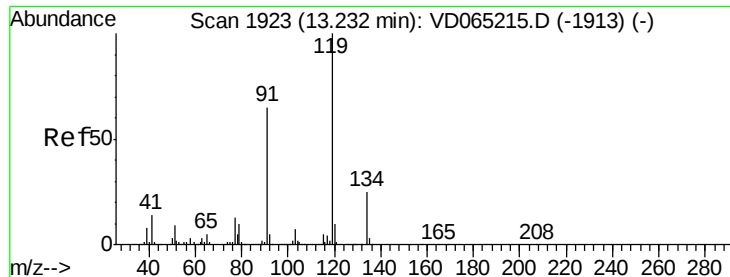
126 35.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

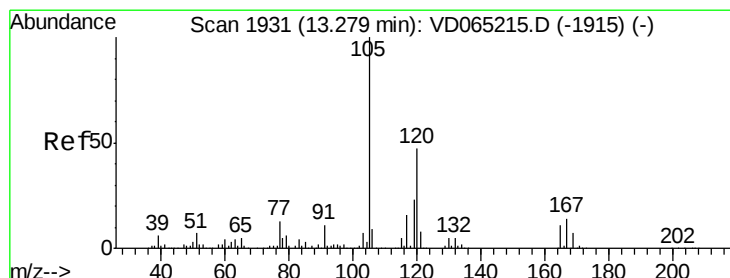
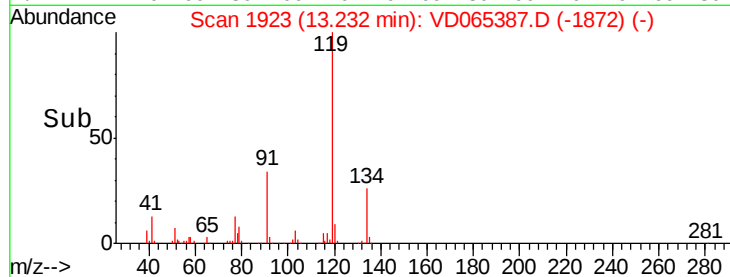
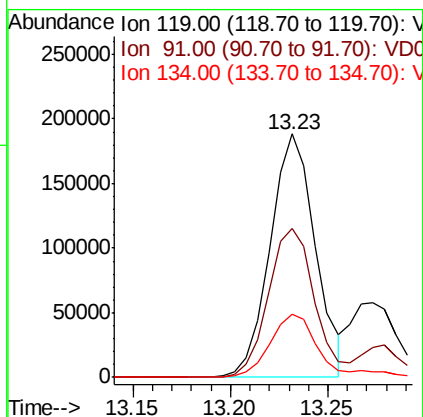
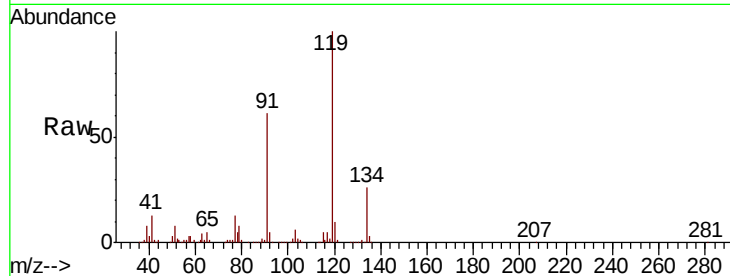




#83
 tert-Butylbenzene
 Concen: 21.428 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

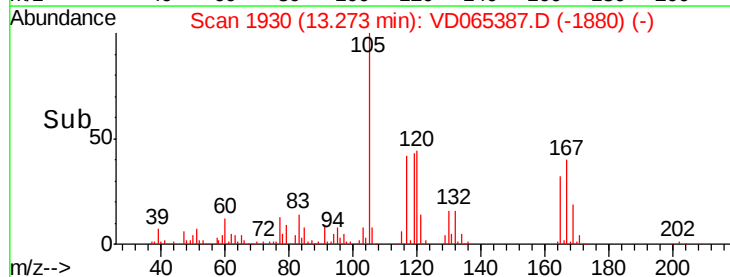
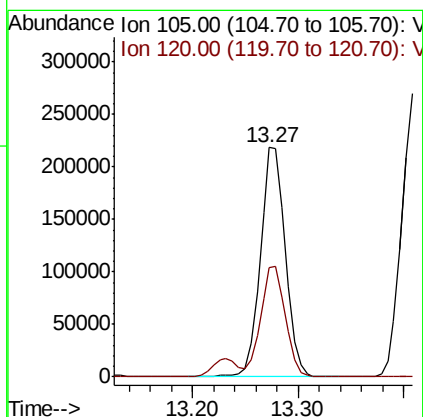
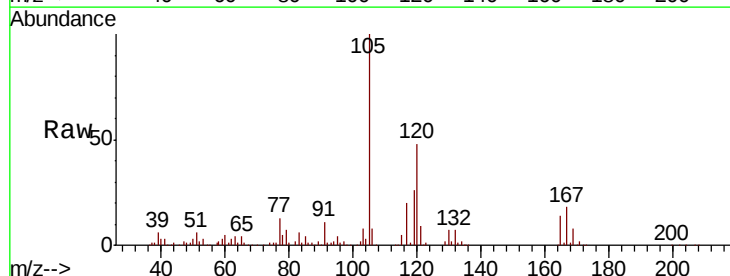
Instrument :
 MSVOA_D
 ClientSampleID :

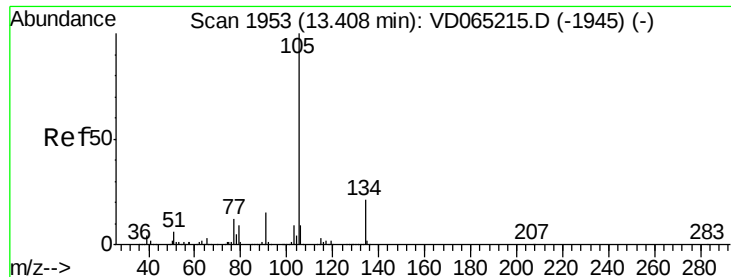
Tot Ion:119 Resp: 302244
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.9 95.5
 134 28.3 13.8 41.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.371 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Tgt Ion:105 Resp: 359988
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.3 69.9





#85

sec-Butylbenzene

Concen: 21.340 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

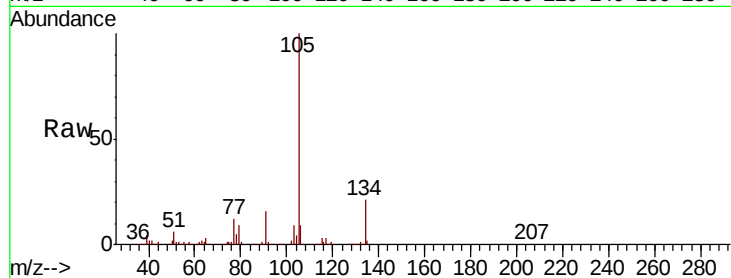
ClientSampleId :

Tot Ion:105 Resp: 433740

Ion Ratio Lower Upper

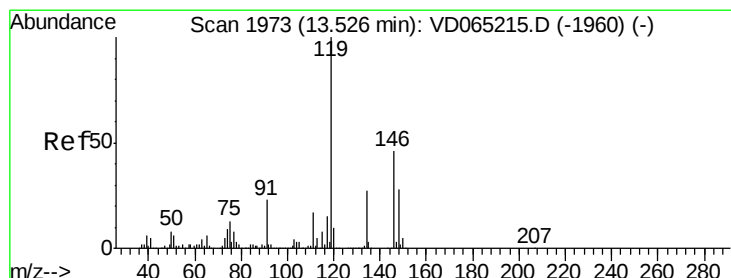
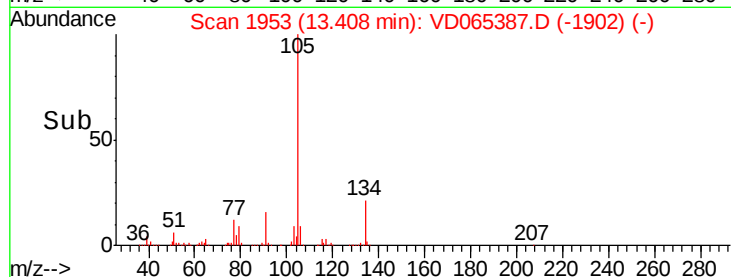
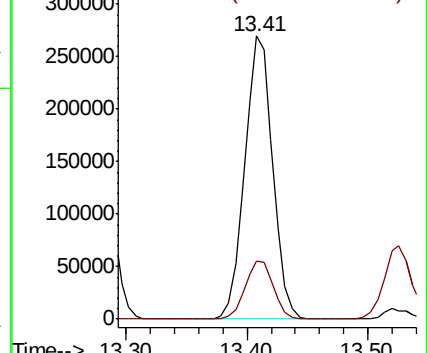
105 100

134 20.8 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: 21.644 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

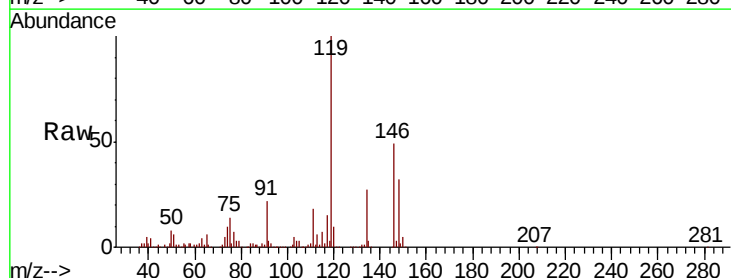
Tgt Ion:119 Resp: 402299

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

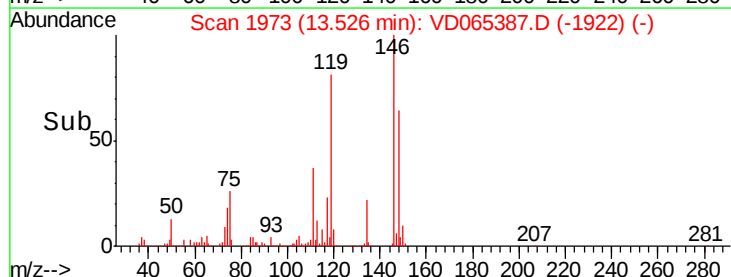
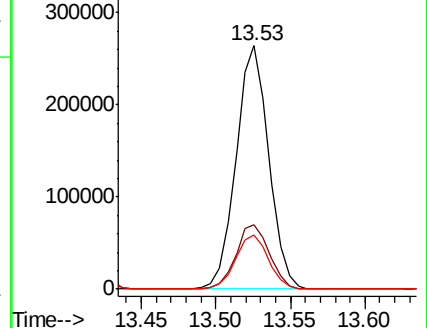
91 22.2 11.1 33.1

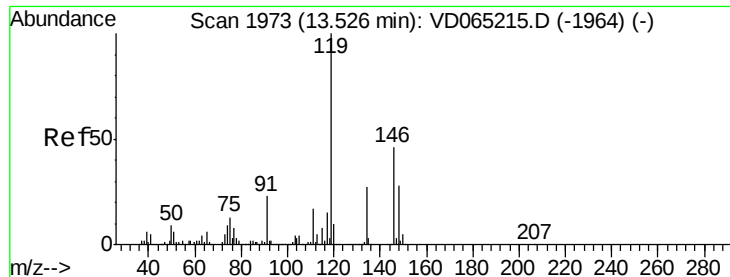


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

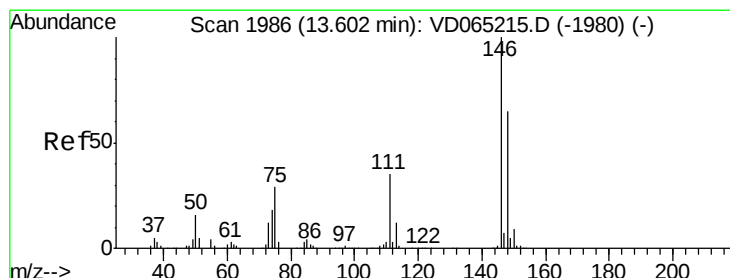
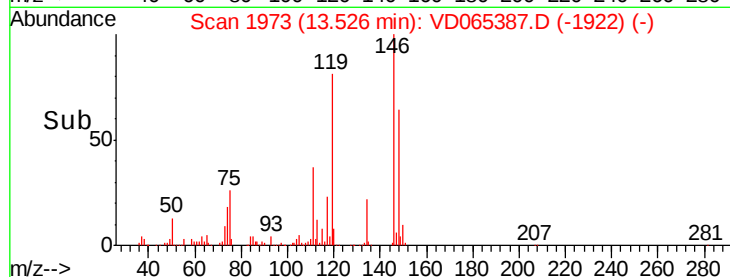
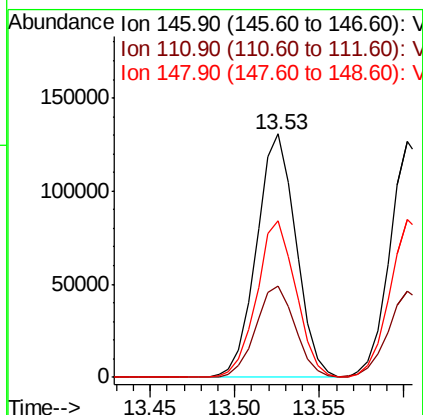
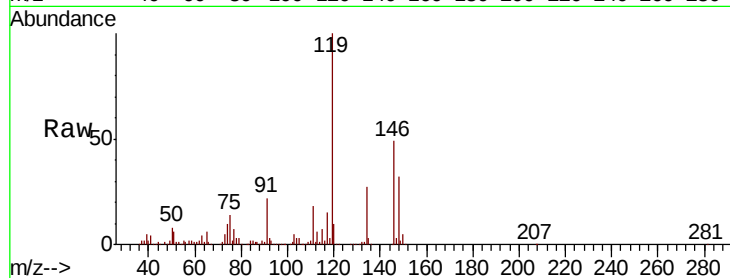




#87
 1,3-Dichlorobenzene
 Concen: 21.589 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

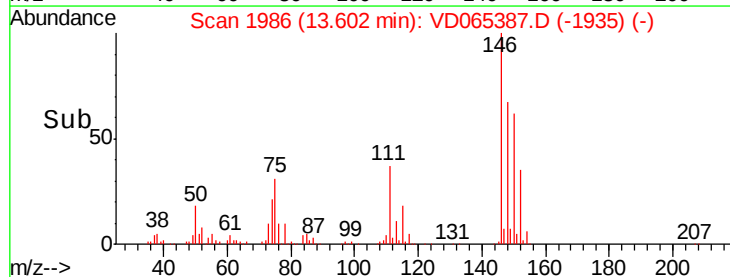
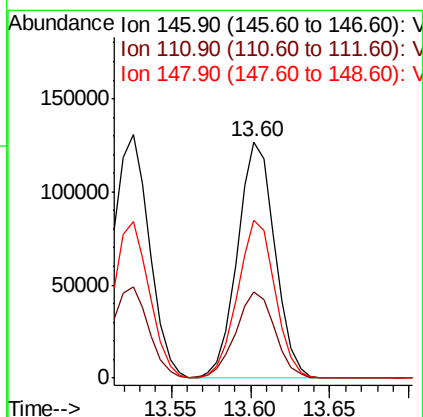
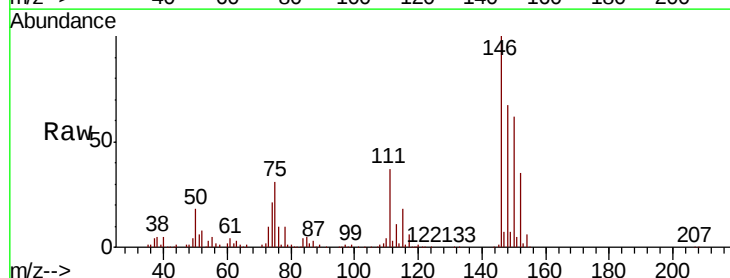
Instrument :
 MSVOA_D
 ClientSampleId :

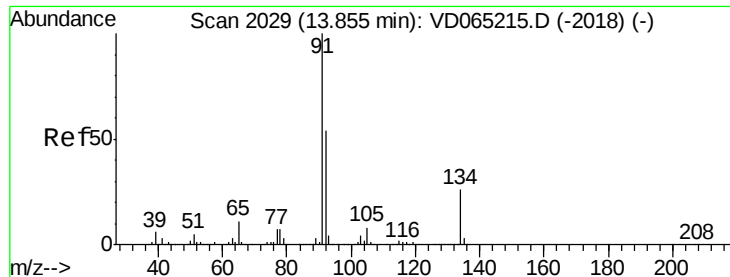
Tot Ion:146 Resp: 211770
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.8
 148 63.8 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.421 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Tgt Ion:146 Resp: 207381
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.4 55.2
 148 66.8 32.1 96.5





#89

n-Butylbenzene

Concen: 21.223 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065387.D

Acq: 03 Mar 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

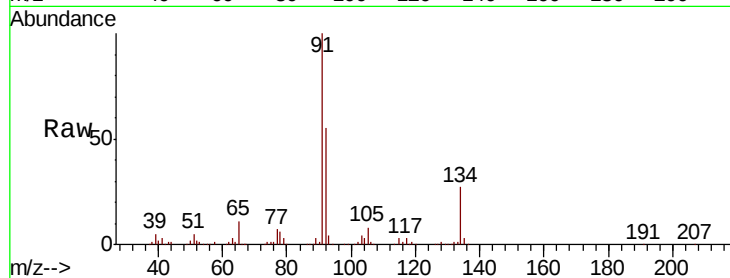
Tot Ion: 91 Resp: 363494

Ion Ratio Lower Upper

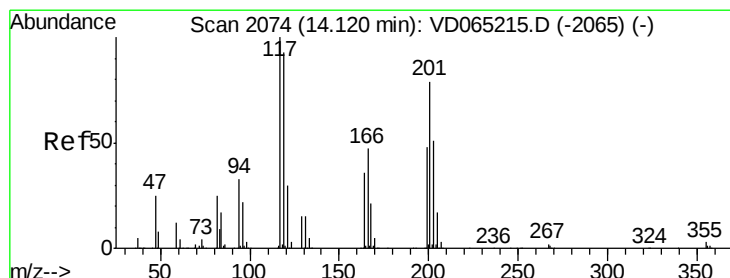
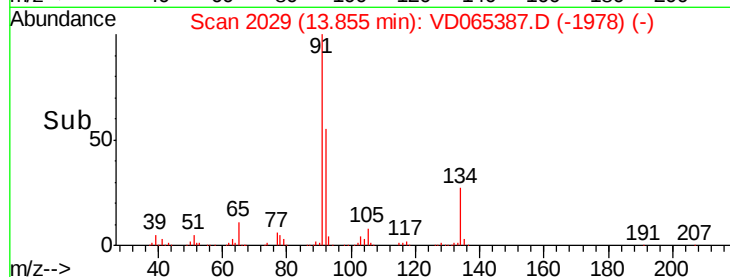
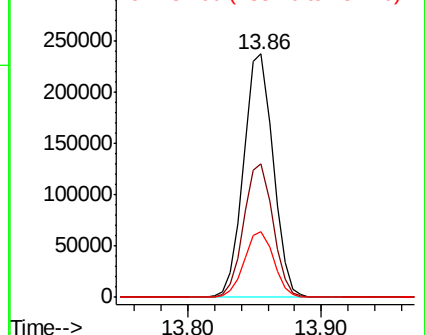
91 100

92 54.2 27.0 80.8

134 26.8 13.5 40.4



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): V



#90

Hexachloroethane

Concen: 21.691 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065387.D

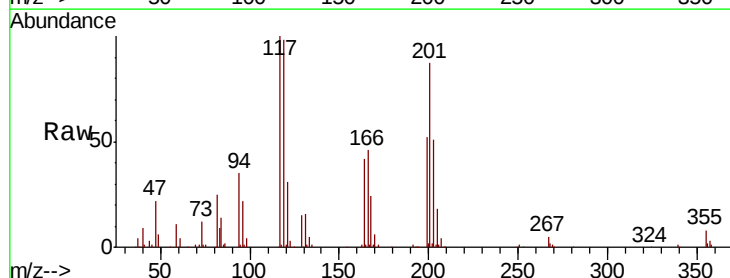
Acq: 03 Mar 2020 11:47

Tgt Ion: 117 Resp: 81862

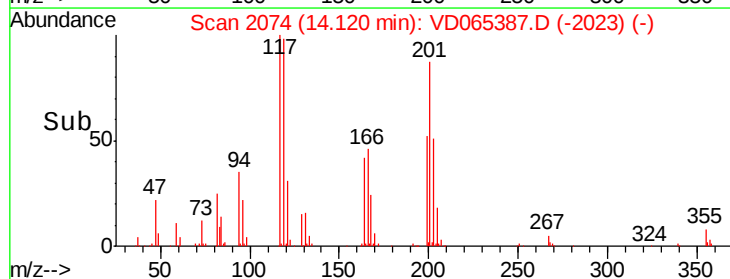
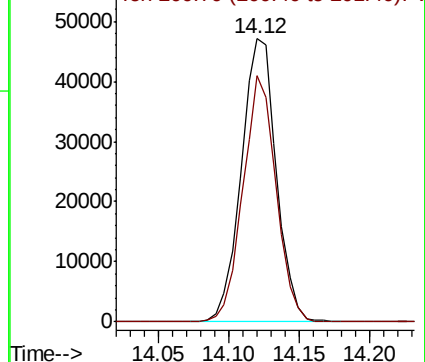
Ion Ratio Lower Upper

117 100

201 82.3 41.3 124.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

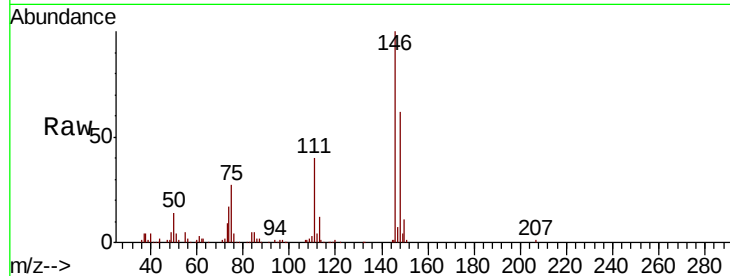




#91
 1,2-Dichlorobenzene
 Concen: 21.589 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	63.2	32.0	96.2

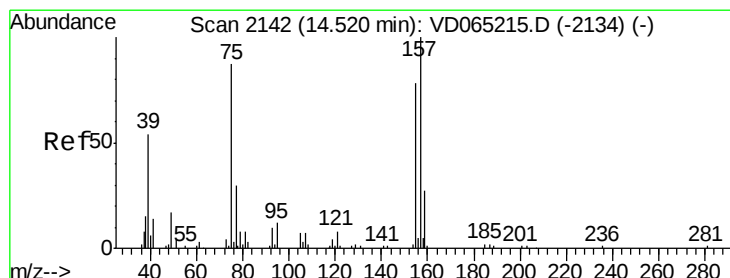
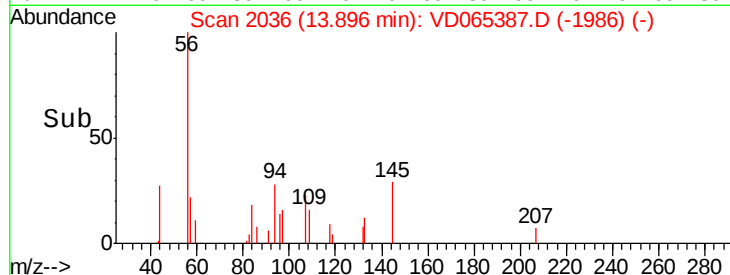
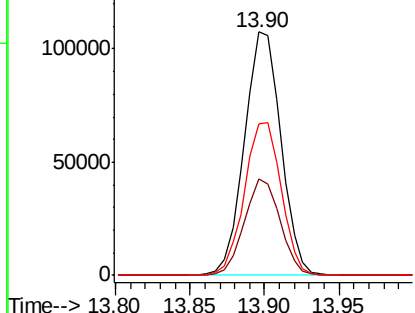


Abundance

Ion 145.90 (145.60 to 146.60): V

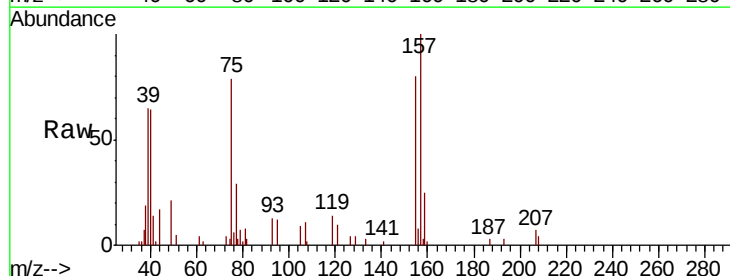
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.831 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	42.3	126.9
157	113.5	56.7	170.1

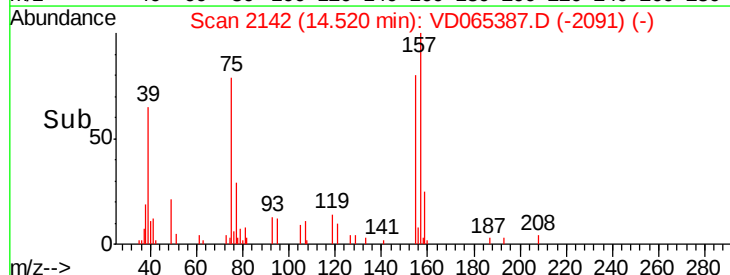
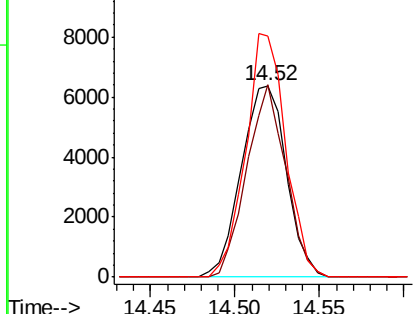


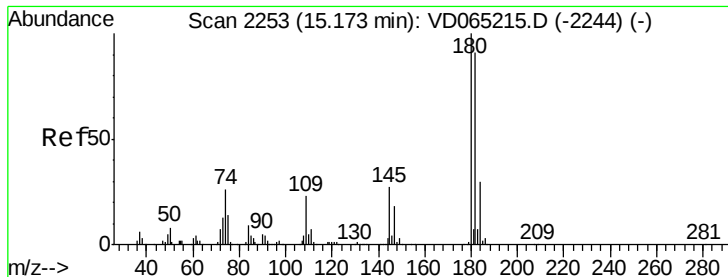
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

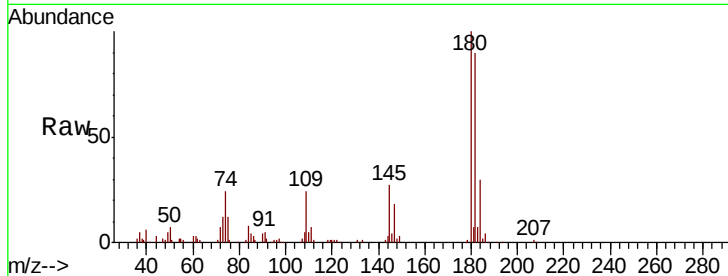




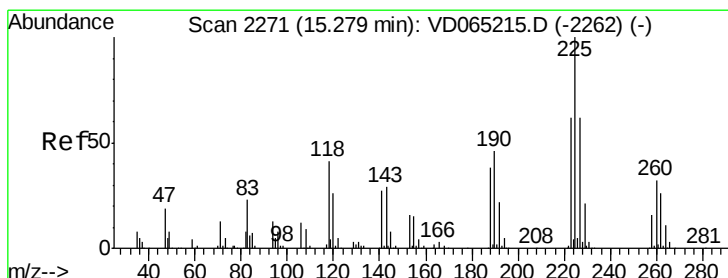
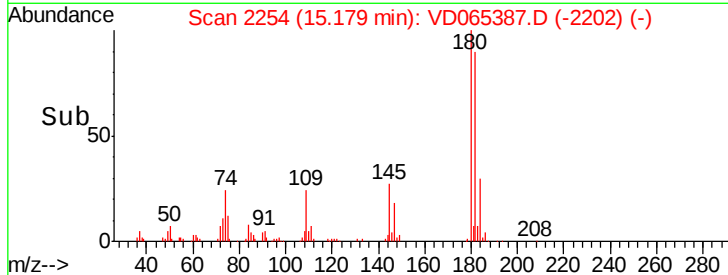
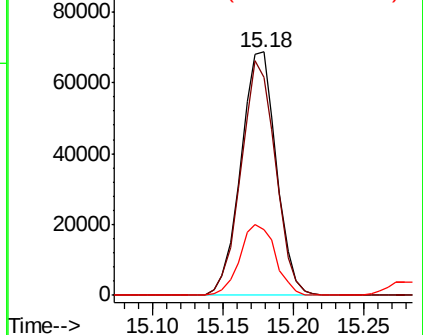
#93
 1,2,4-Trichlorobenzene
 Concen: 21.905 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.6
145	29.3	13.9	41.7

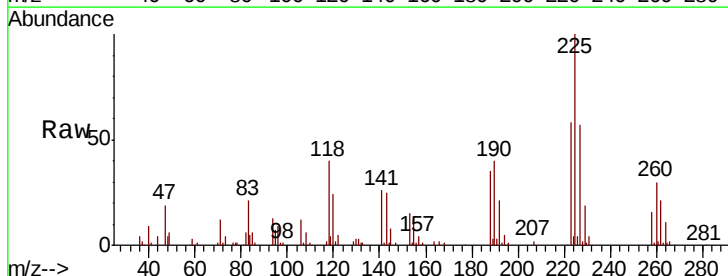


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

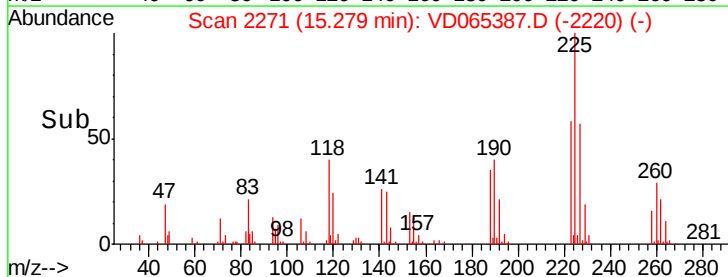
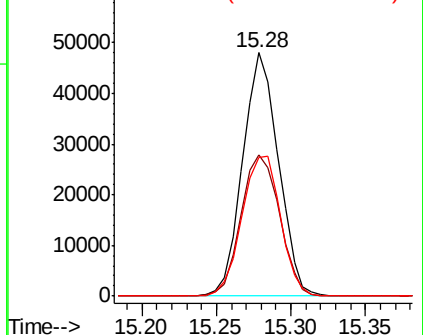


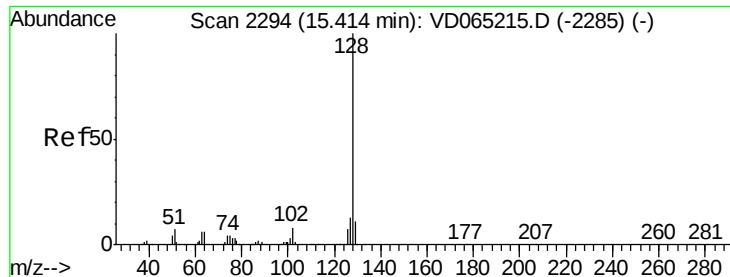
#94
 Hexachlorobutadiene
 Concen: 22.520 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065387.D
 Acq: 03 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	62.1	31.7	95.1



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

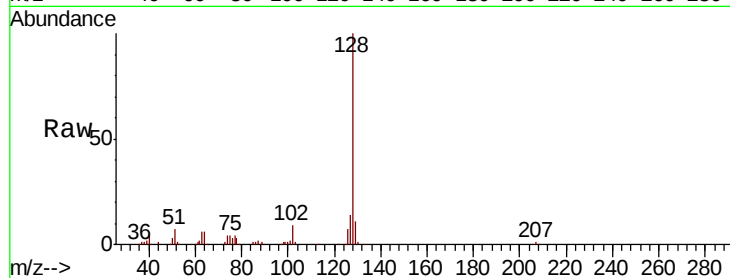




#95
Naphthalene
Concen: 21.229 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.7	8.8	13.2

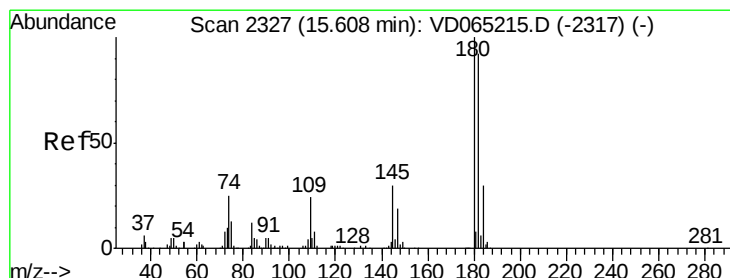
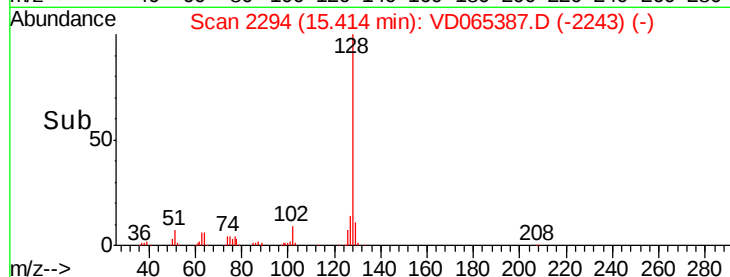
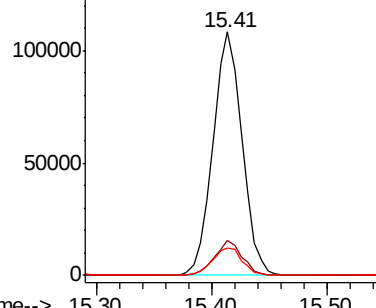


Abundance

Ion 128.00 (127.70 to 128.70): V

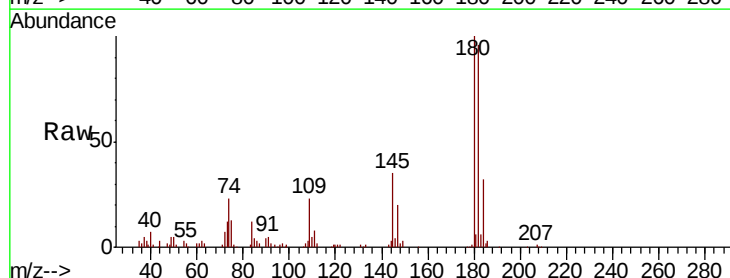
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.058 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065387.D
Acq: 03 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.6
145	31.7	15.4	46.1



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

