

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065144.D
 Acq On : 11 Feb 2020 12:15
 Operator : VA/SY
 Sample : VD0211SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:57:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	454489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	682309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	225337	58.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.68%	
35) Dibromofluoromethane	7.92	113	221712	58.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.48%	
50) Toluene-d8	10.34	98	874627	57.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.44%	
62) 4-Bromofluorobenzene	12.64	95	275671	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77299	20.438	ug/l	98
3) Chloromethane	2.21	50	103166	23.172	ug/l	97
4) Vinyl Chloride	2.35	62	106179	22.551	ug/l	97
5) Bromomethane	2.76	94	65664	21.508	ug/l	95
6) Chloroethane	2.92	64	65670	22.484	ug/l	93
7) Trichlorofluoromethane	3.27	101	152601	22.270	ug/l	98
8) Diethyl Ether	3.71	74	41354	21.023	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89695	21.412	ug/l	99
10) Methyl Iodide	4.29	142	90764	18.984	ug/l	98
11) Tert butyl alcohol	5.25	59	28797	122.016	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	83739	20.873	ug/l	92
13) Acrolein	3.93	56	26485	91.238	ug/l	97
14) Allyl chloride	4.71	41	136793	20.516	ug/l	98
15) Acrylonitrile	5.43	53	92975	108.110	ug/l	97
16) Acetone	4.17	43	93107	96.408	ug/l	94
17) Carbon Disulfide	4.40	76	278122	21.591	ug/l	98
18) Methyl Acetate	4.73	43	48877	24.223	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	177665	20.026	ug/l	98
20) Methylene Chloride	4.97	84	102184	21.808	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	96100	21.172	ug/l	93
22) Diisopropyl ether	6.37	45	275063	21.871	ug/l	93
23) Vinyl Acetate	6.31	43	705566	100.651	ug/l	100
24) 1,1-Dichloroethane	6.26	63	169807	22.306	ug/l	99
25) 2-Butanone	7.22	43	120787	104.849	ug/l	93
26) 2,2-Dichloropropane	7.21	77	146035	21.403	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102508	21.258	ug/l	99
28) Bromochloromethane	7.55	49	58016	20.105	ug/l	99
29) Tetrahydrofuran	7.57	42	73709	105.803	ug/l	97
30) Chloroform	7.71	83	168825	22.273	ug/l	96
31) Cyclohexane	7.98	56	158749	20.659	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	154191	21.838	ug/l	98
36) 1,1-Dichloropropene	8.11	75	135920	21.423	ug/l	99
37) Ethyl Acetate	7.30	43	53630	20.691	ug/l	100
38) Carbon Tetrachloride	8.10	117	143160	22.093	ug/l	96

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 Sample : VD0211SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:57:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	150420	19.208	ug/l	96
40) Benzene	8.35	78	376377	21.483	ug/l	99
41) Methacrylonitrile	7.53	41	31006	21.714	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	106937	21.421	ug/l	97
43) Isopropyl Acetate	8.46	43	100515	20.273	ug/l	98
44) Trichloroethene	9.11	130	103698	20.621	ug/l	93
45) 1,2-Dichloropropane	9.39	63	93532	22.266	ug/l	92
46) Dibromomethane	9.48	93	49466	22.410	ug/l	97
47) Bromodichloromethane	9.67	83	128648	22.119	ug/l	100
48) Methyl methacrylate	9.46	41	47391	19.863	ug/l	96
49) 1,4-Dioxane	9.47	88	11247	430.192	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	254653	104.345	ug/l	99
52) Toluene	10.41	92	242694	21.704	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	121002	21.368	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	145249	21.446	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65783	21.727	ug/l	96
56) Ethyl methacrylate	10.67	69	75993	19.837	ug/l	96
57) 1,3-Dichloropropane	10.95	76	114945	21.590	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124421	88.223	ug/l	99
59) 2-Hexanone	10.99	43	181561	105.030	ug/l	98
60) Dibromochloromethane	11.14	129	85948	21.917	ug/l	99
61) 1,2-Dibromoethane	11.25	107	64170	21.691	ug/l	100
64) Tetrachloroethene	10.88	164	96435	21.434	ug/l	98
65) Chlorobenzene	11.67	112	253240	20.911	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	94372	21.113	ug/l	100
67) Ethyl Benzene	11.75	91	449670	20.437	ug/l	100
68) m/p-Xylenes	11.86	106	349193	41.581	ug/l	98
69) o-Xylene	12.18	106	152204	20.127	ug/l	100
70) Styrene	12.20	104	270695	20.595	ug/l	100
71) Bromoform	12.37	173	49895	20.739	ug/l #	98
73) Isopropylbenzene	12.48	105	409330	19.597	ug/l	99
74) N-amyl acetate	12.30	43	86913	19.144	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	70733	21.516	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	93767	40.696	ug/l #	100
77) Bromobenzene	12.77	156	101890	20.246	ug/l	96
78) n-propylbenzene	12.83	91	501749	20.512	ug/l	100
79) 2-Chlorotoluene	12.91	91	280857	20.598	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	347361	20.327	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22562	19.584	ug/l	98
82) 4-Chlorotoluene	13.01	91	297306	20.761	ug/l	99
83) tert-Butylbenzene	13.23	119	280567	19.031	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	341614	20.136	ug/l	100
85) sec-Butylbenzene	13.41	105	403631	20.046	ug/l	99
86) p-Isopropyltoluene	13.53	119	373018	19.938	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	198454	21.062	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	193812	20.666	ug/l	99
89) n-Butylbenzene	13.86	91	348089	20.158	ug/l	98
90) Hexachloroethane	14.12	117	74066	20.907	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	159595	19.775	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11165	20.805	ug/l	99

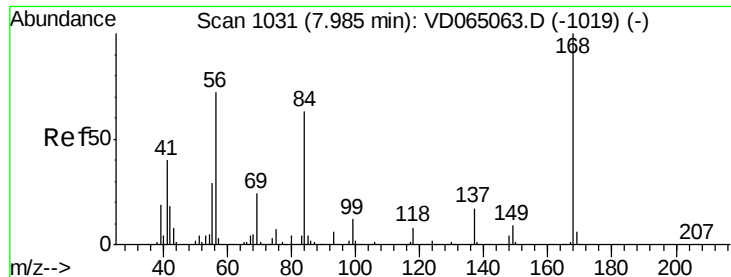
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021120\
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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110728	19.196	ug/l	100
94) Hexachlorobutadiene	15.28	225	70582	19.900	ug/l	100
95) Naphthalene	15.41	128	175915	18.348	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	95308	19.316	ug/l	97

(#) = 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: VD065144.D

Acq: 11 Feb 2020 12:15

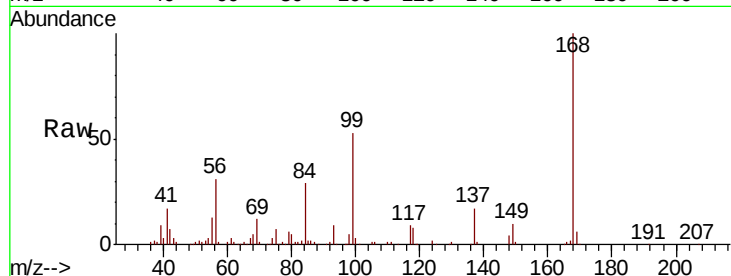
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 454489

Ion Ratio Lower Upper

168 100

99 53.0 41.0 61.6



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

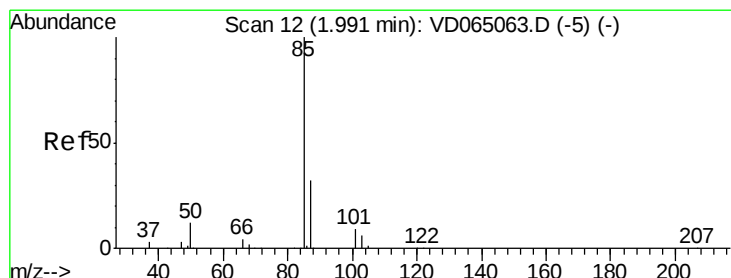
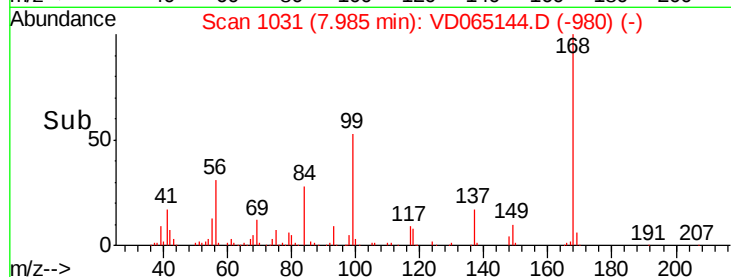
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.438 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065144.D

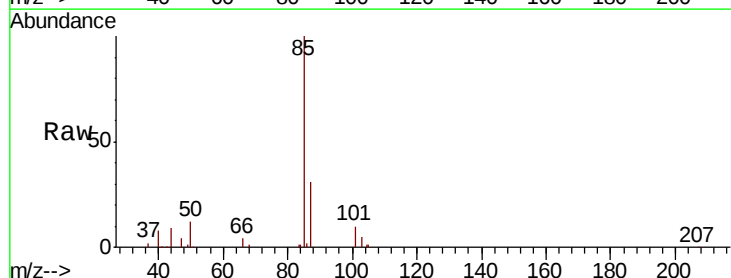
Acq: 11 Feb 2020 12:15

Tgt Ion: 85 Resp: 77299

Ion Ratio Lower Upper

85 100

87 30.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

20000

10000

0

1.90

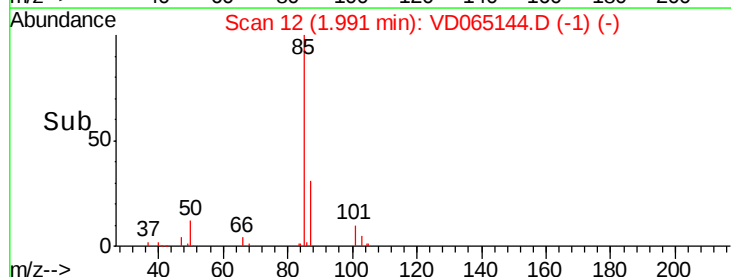
1.95

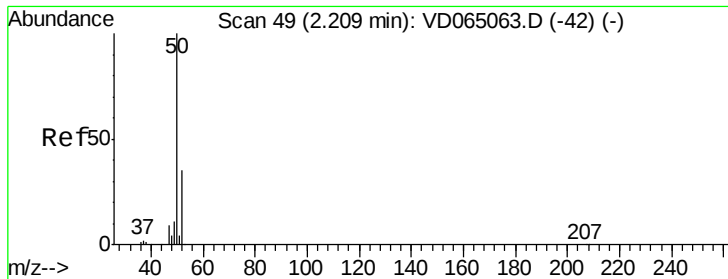
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 23.172 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

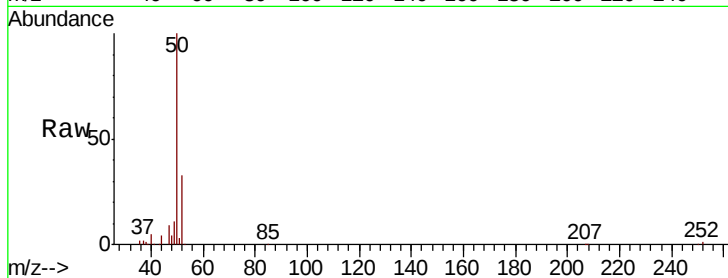
ClientSampleId :

Tot Ion: 50 Resp: 103166

Ion Ratio Lower Upper

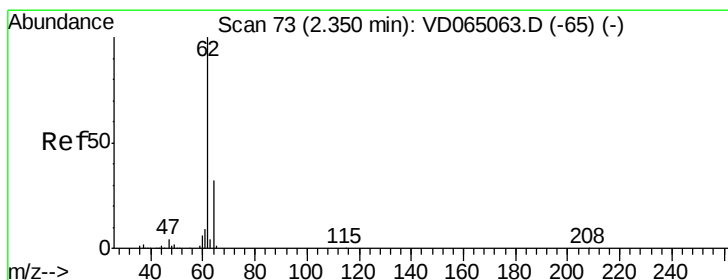
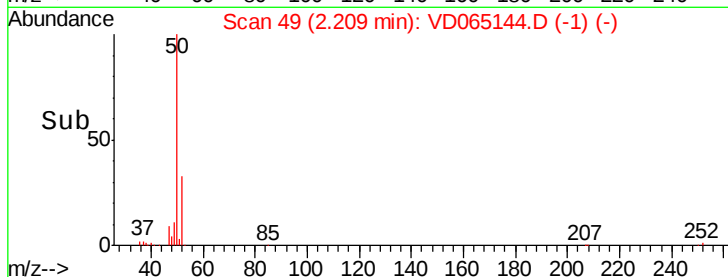
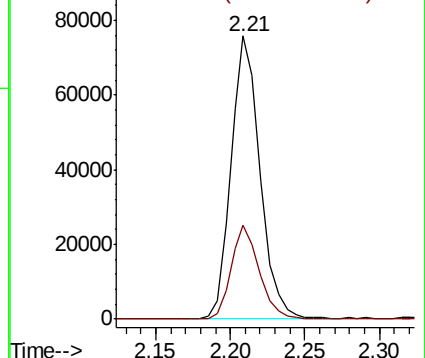
50 100

52 33.2 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.551 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065144.D

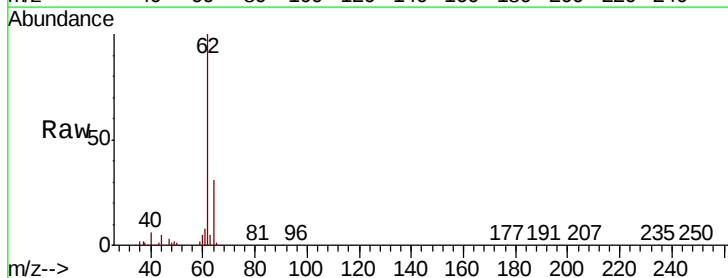
Acq: 11 Feb 2020 12:15

Tgt Ion: 62 Resp: 106179

Ion Ratio Lower Upper

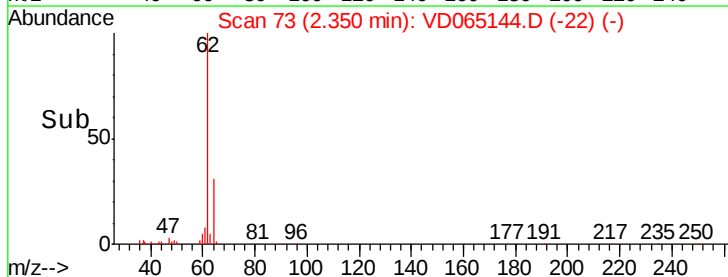
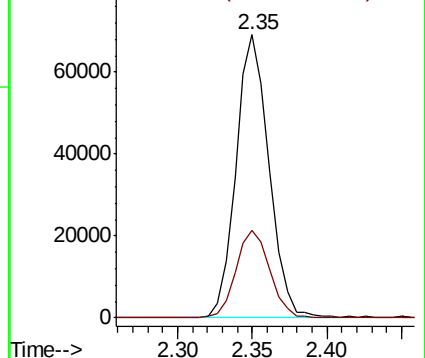
62 100

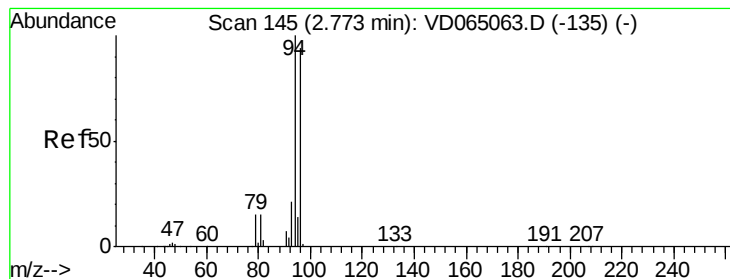
64 30.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.508 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

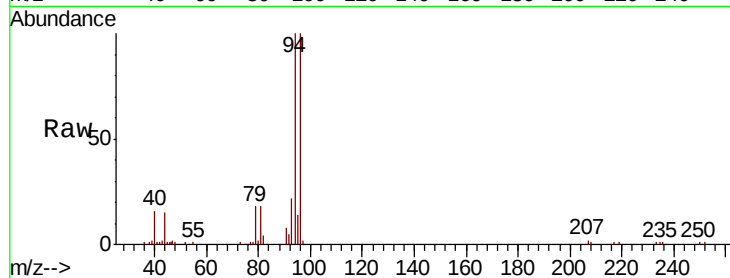
ClientSampleId :

Tot Ion: 94 Resp: 65664

Ion Ratio Lower Upper

94 100

96 98.6 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

25000

20000

15000

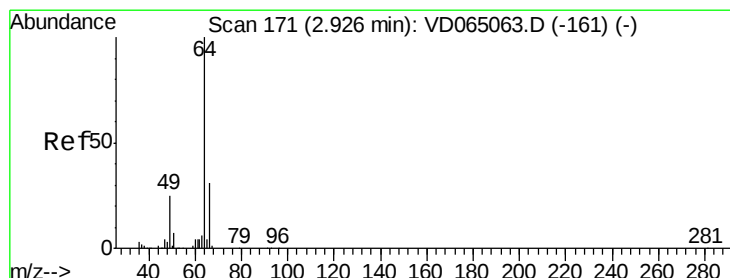
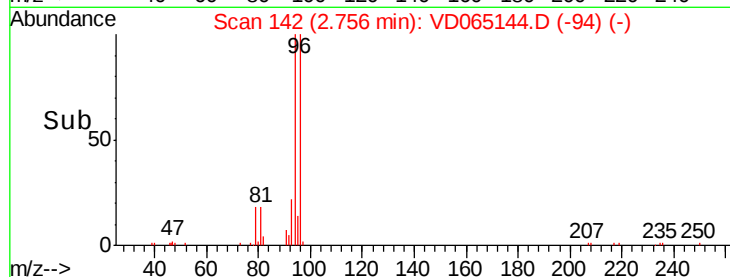
10000

5000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 22.484 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065144.D

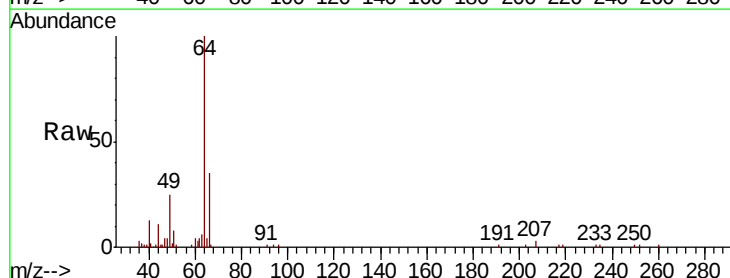
Acq: 11 Feb 2020 12:15

Tgt Ion: 64 Resp: 65670

Ion Ratio Lower Upper

64 100

66 35.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

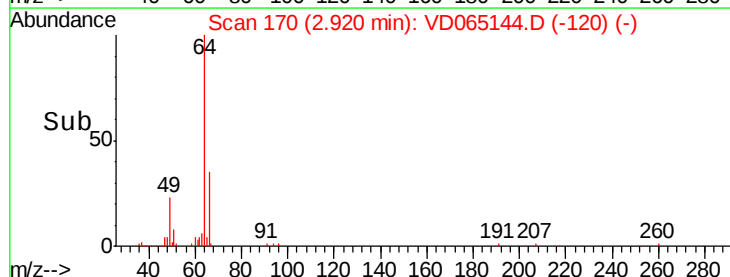
20000

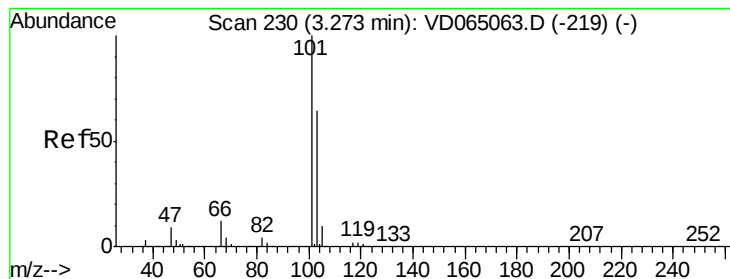
10000

0

2.85 2.90 2.95 3.00

Time-->



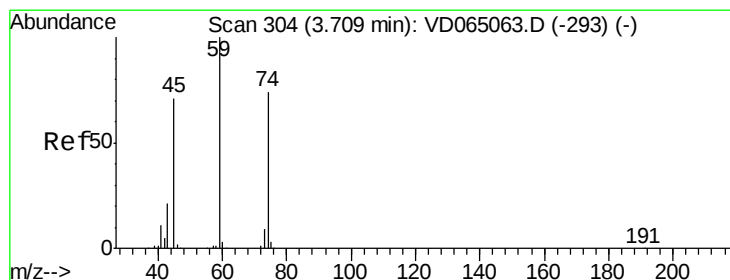
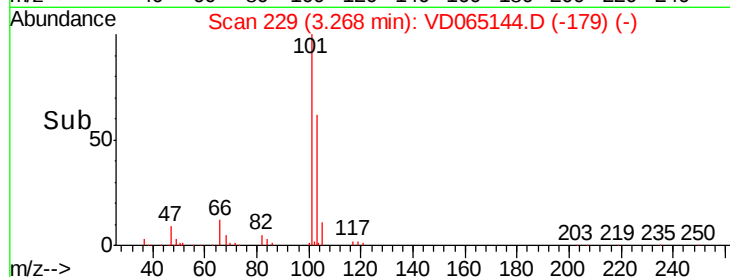
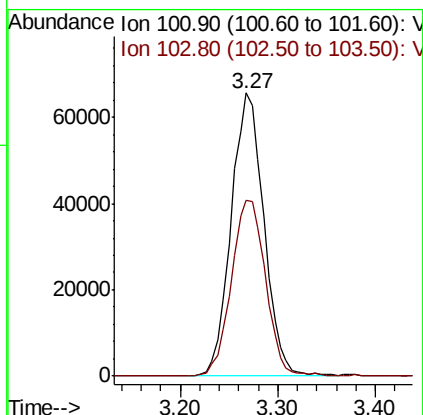
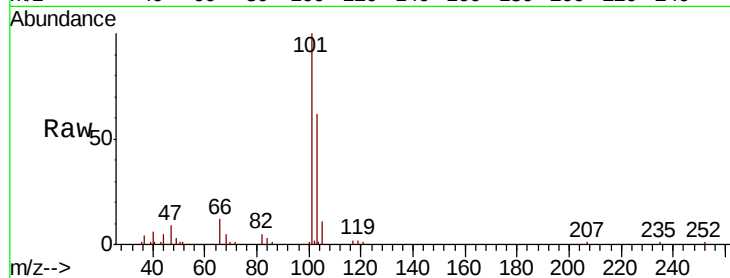


#7

Trichlorofluoromethane
 Concen: 22.270 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

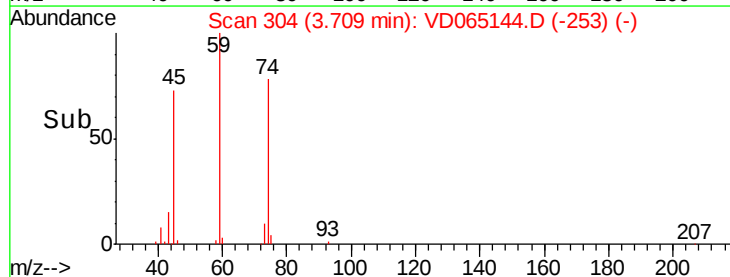
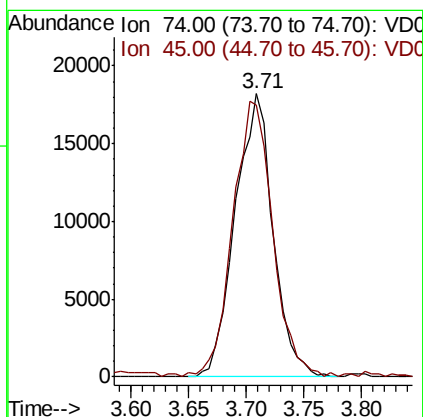
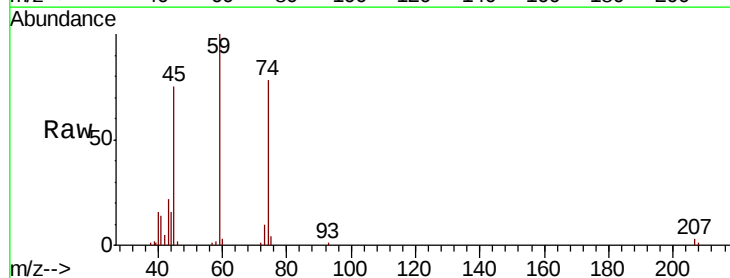
Tot Ion:101 Resp: 152601
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.0 76.6

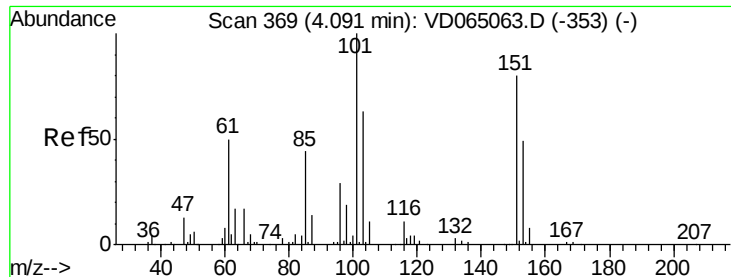


#8

Diethyl Ether
 Concen: 21.023 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion: 74 Resp: 41354
 Ion Ratio Lower Upper
 74 100
 45 103.1 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.412 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

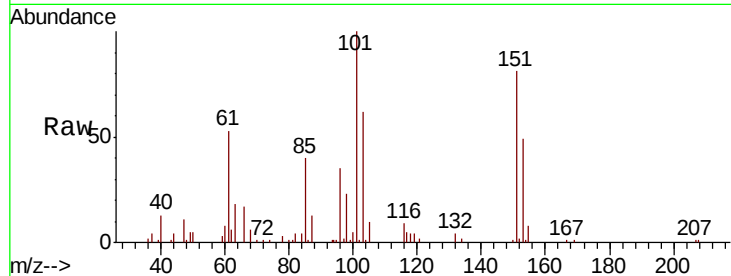
Tot Ion:101 Resp: 89695

Ion Ratio Lower Upper

101 100

85 43.7 34.0 51.0

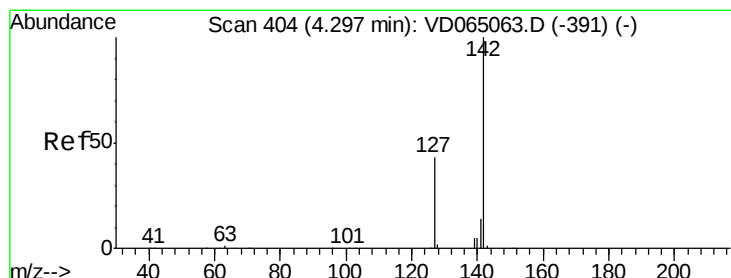
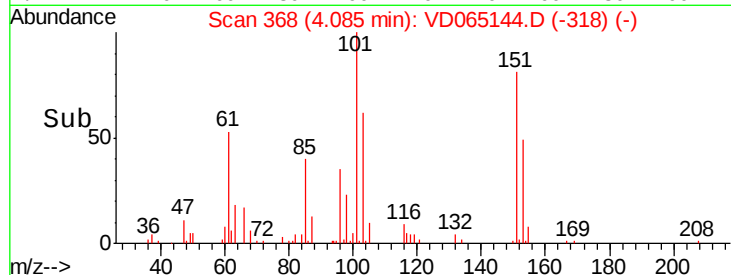
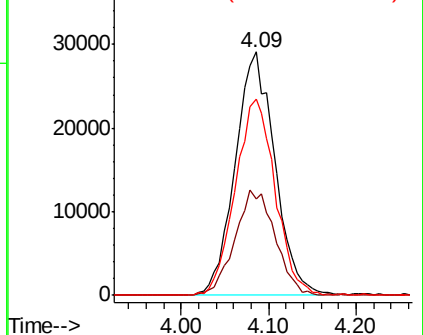
151 80.8 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.984 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

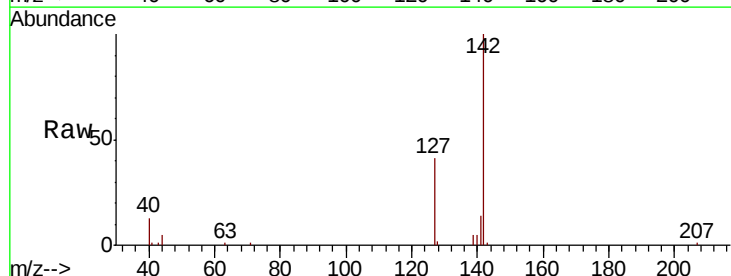
Tgt Ion:142 Resp: 90764

Ion Ratio Lower Upper

142 100

127 44.2 34.0 51.0

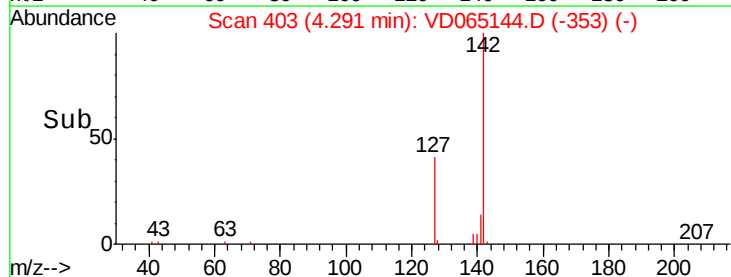
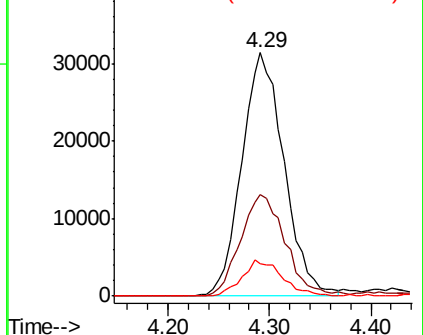
141 14.2 11.6 17.4

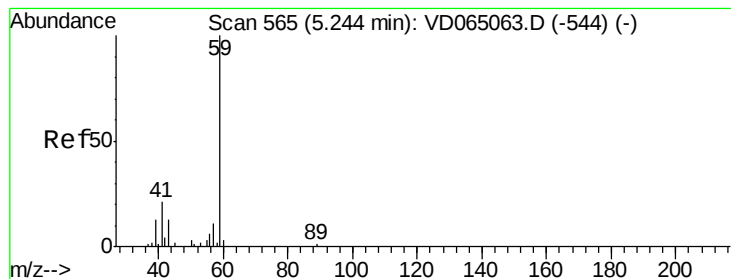


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



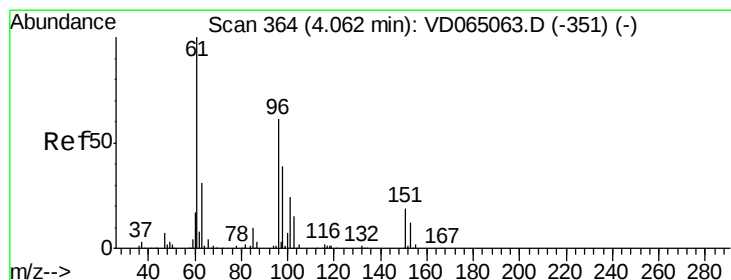
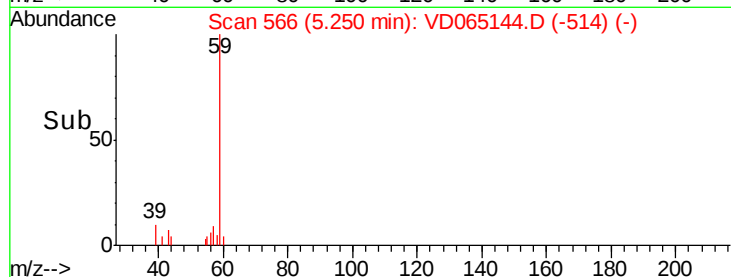
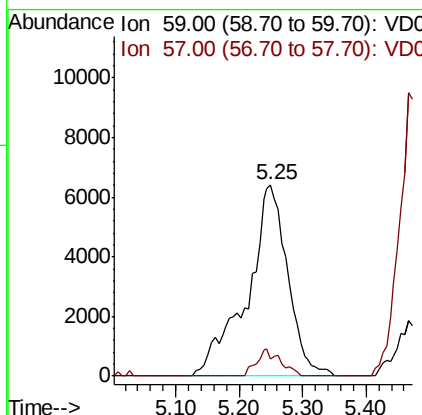
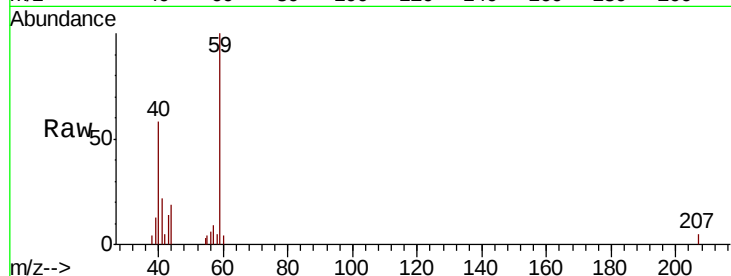


#11

Tert butyl alcohol
 Concen: 122.016 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampled :

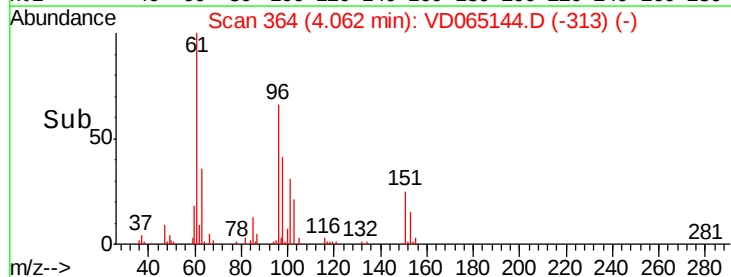
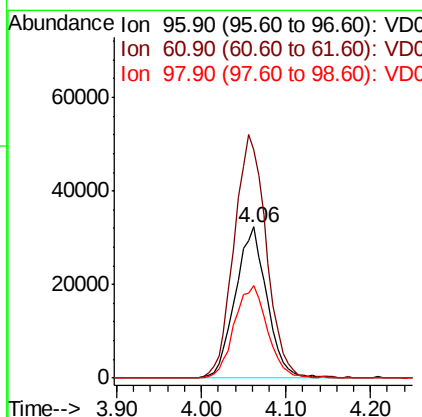
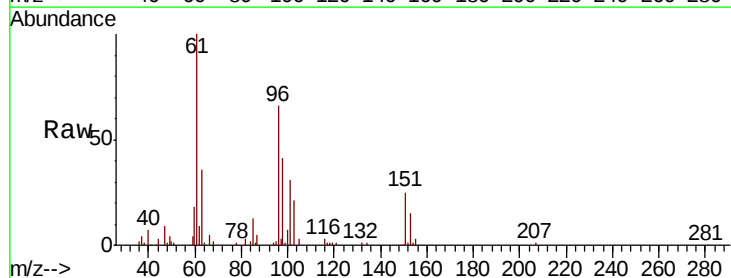
Tot Ion: 59 Resp: 28797
 Ion Ratio Lower Upper
 59 100
 57 8.2 8.8 13.2#

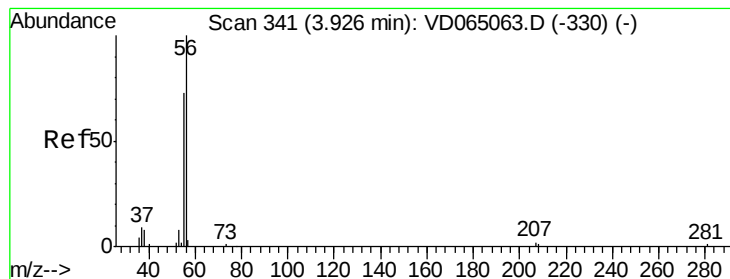


#12

1,1-Dichloroethene
 Concen: 20.873 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion: 96 Resp: 83739
 Ion Ratio Lower Upper
 96 100
 61 151.6 131.4 197.2
 98 61.6 51.1 76.7





#13

Acrolein

Concen: 91.238 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

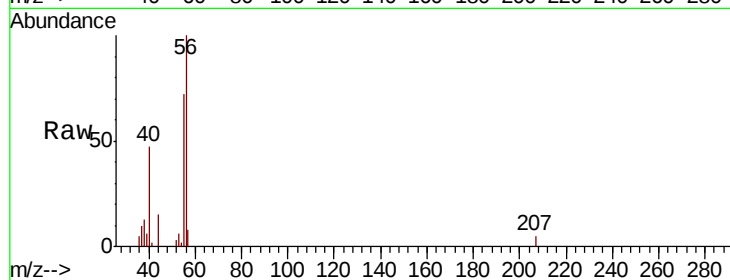
ClientSampleId :

Tot Ion: 56 Resp: 26485

Ion Ratio Lower Upper

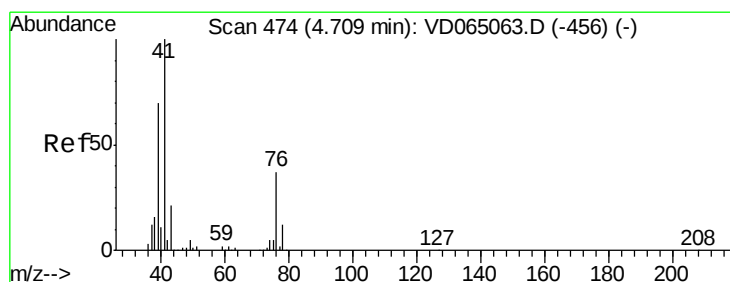
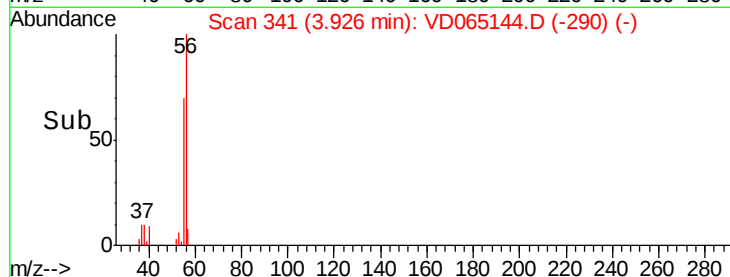
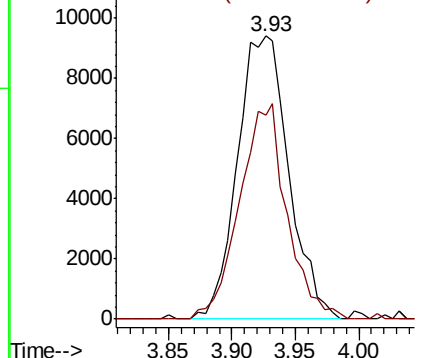
56 100

55 70.2 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.516 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

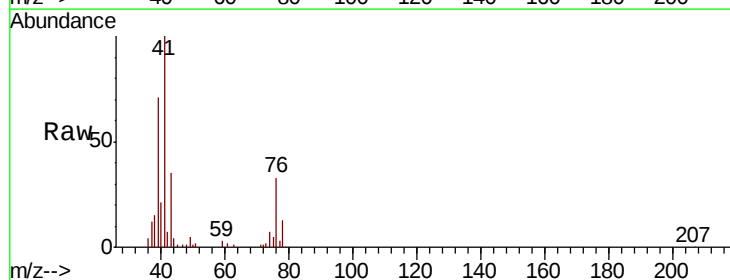
Tgt Ion: 41 Resp: 136793

Ion Ratio Lower Upper

41 100

39 72.7 57.1 85.7

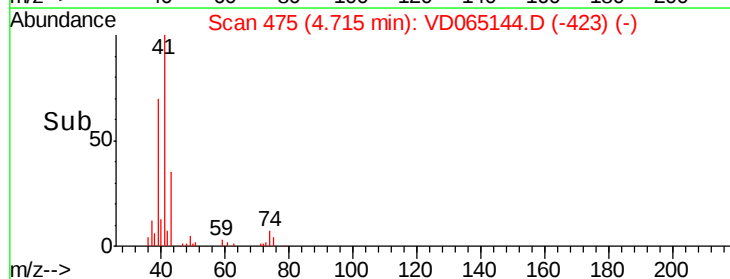
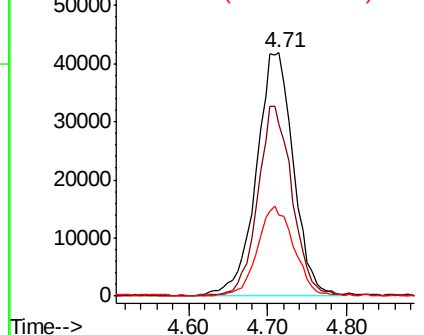
76 36.2 28.0 42.0

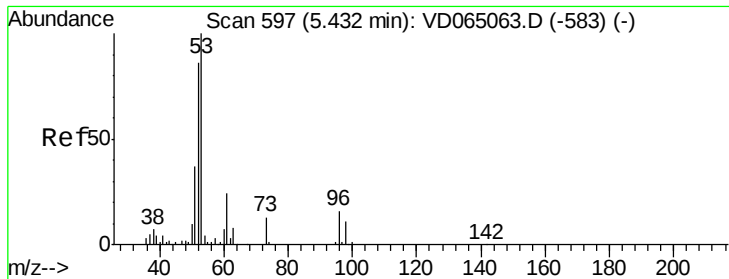


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 108.110 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

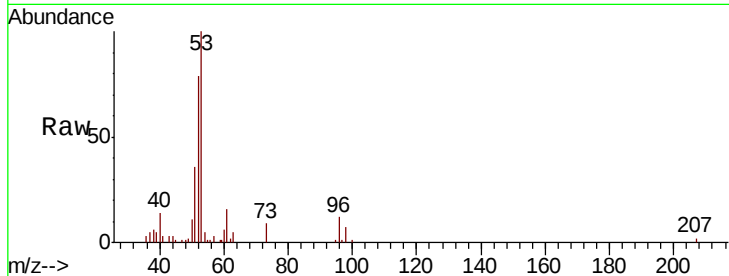
Tot Ion: 53 Resp: 92975

Ion Ratio Lower Upper

53 100

52 79.4 66.2 99.2

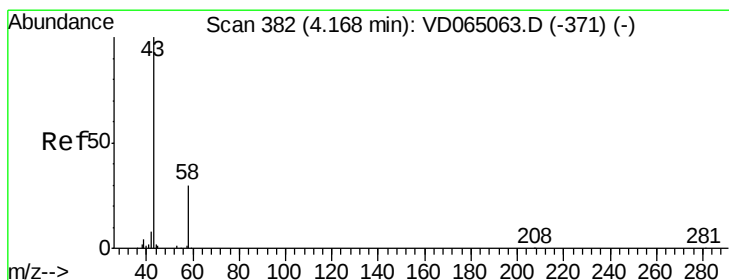
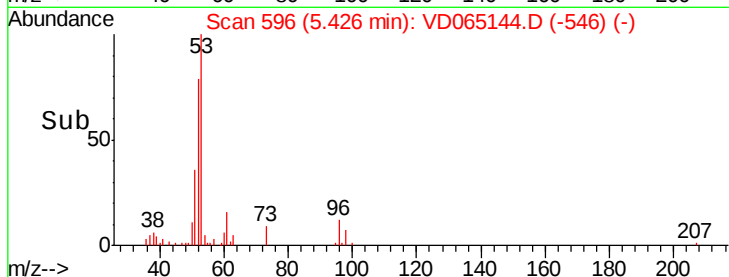
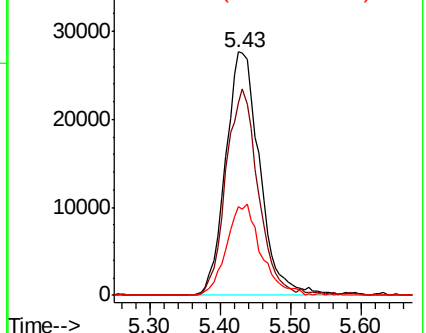
51 37.6 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 96.408 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065144.D

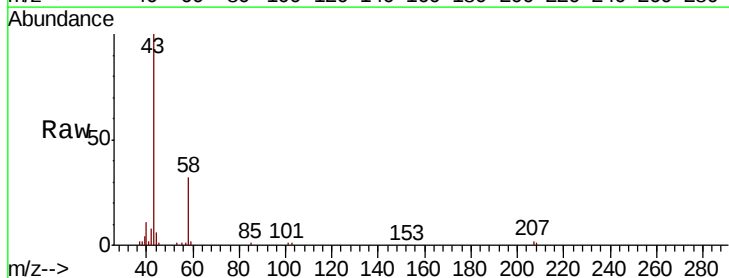
Acq: 11 Feb 2020 12:15

Tgt Ion: 43 Resp: 93107

Ion Ratio Lower Upper

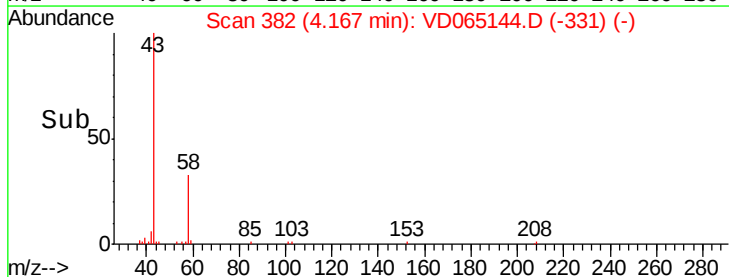
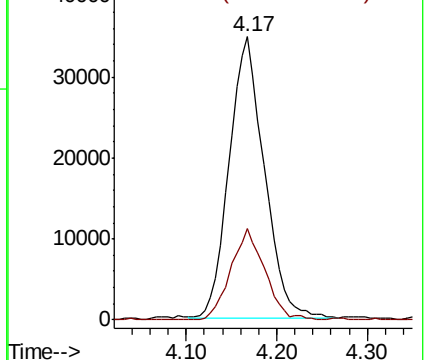
43 100

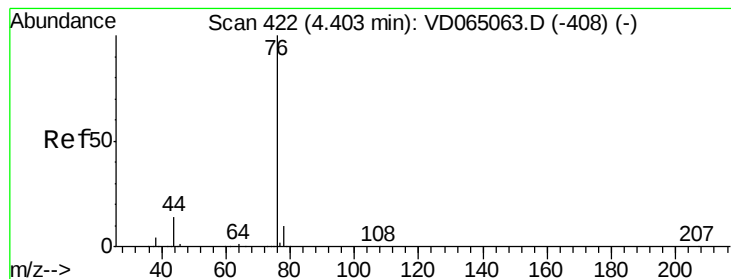
58 32.7 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 21.591 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

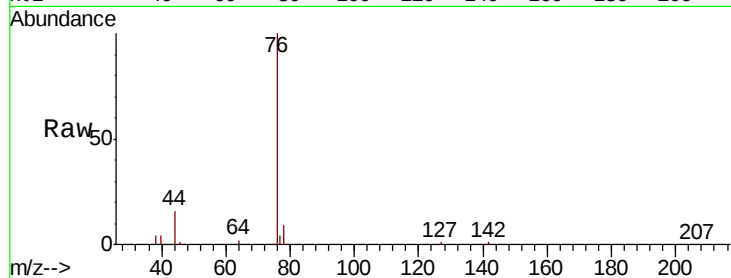
ClientSampleId :

Tot Ion: 76 Resp: 278122

Ion Ratio Lower Upper

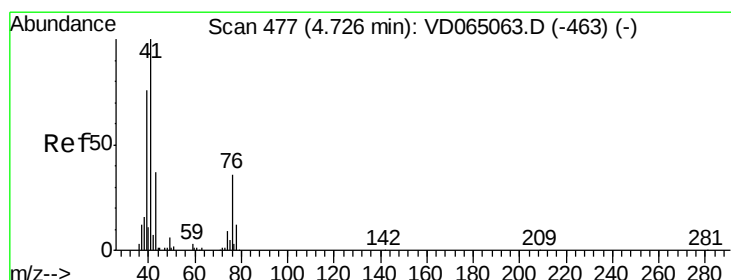
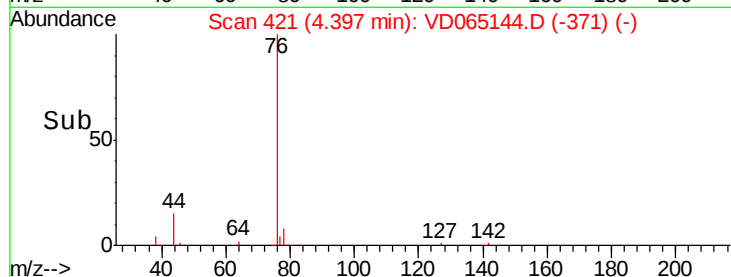
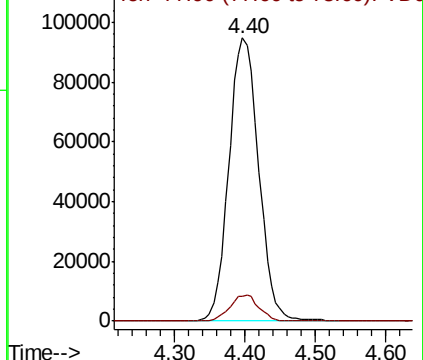
76 100

78 8.9 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 24.223 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065144.D

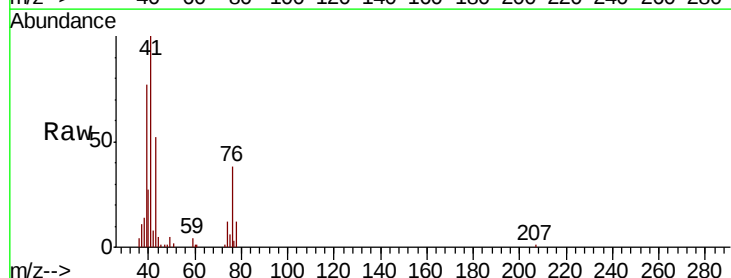
Acq: 11 Feb 2020 12:15

Tgt Ion: 43 Resp: 48877

Ion Ratio Lower Upper

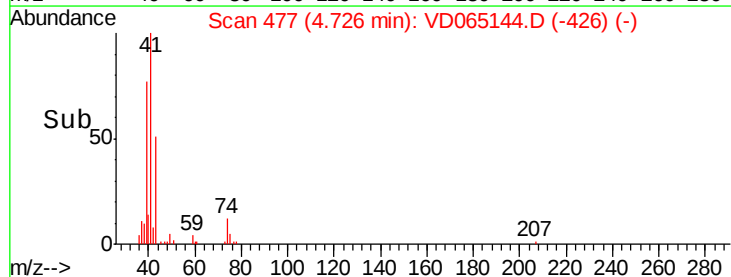
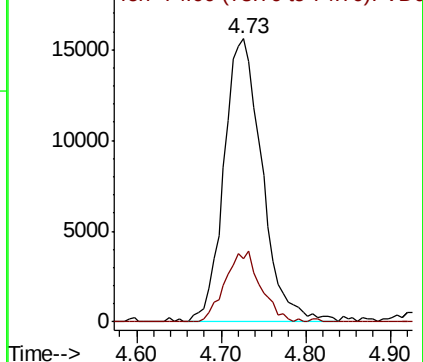
43 100

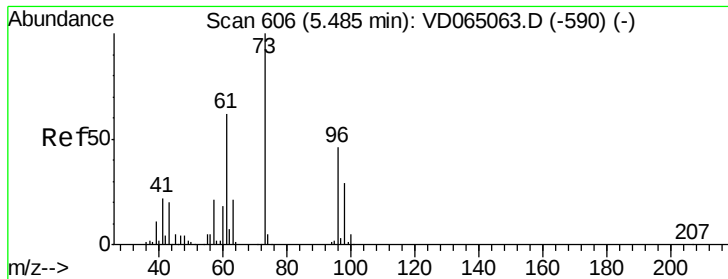
74 23.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

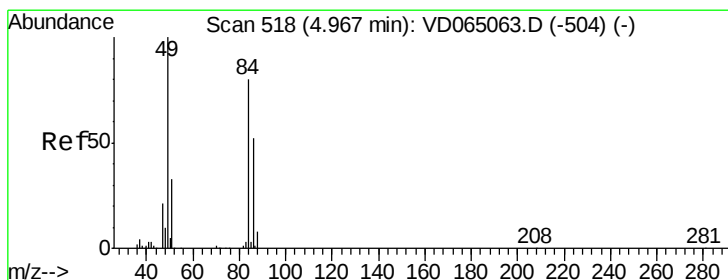
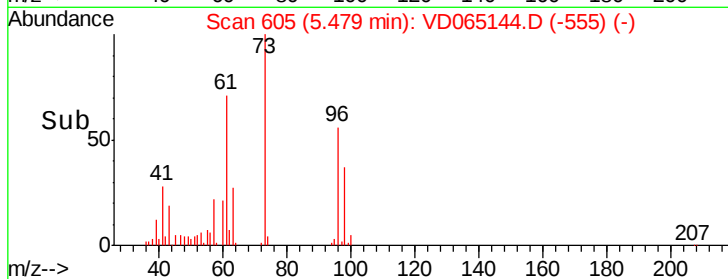
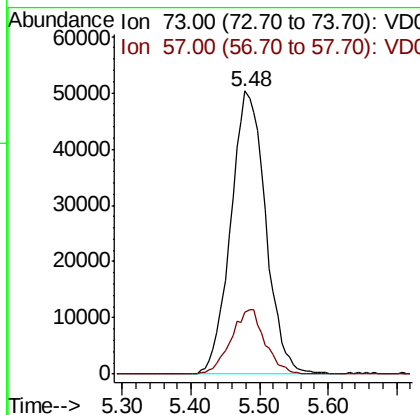
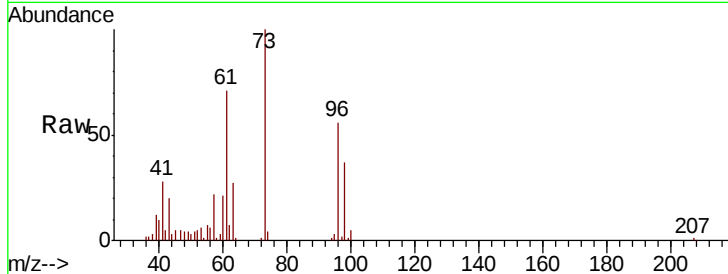




#19
Methvl tert-butvl Ether
Concen: 20.026 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

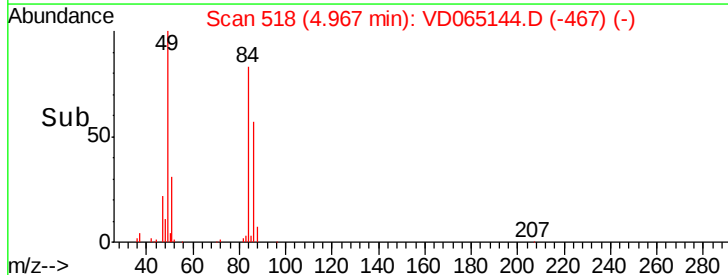
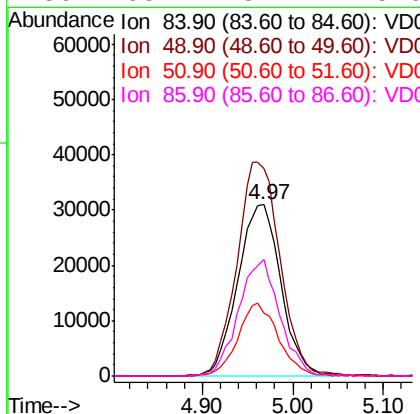
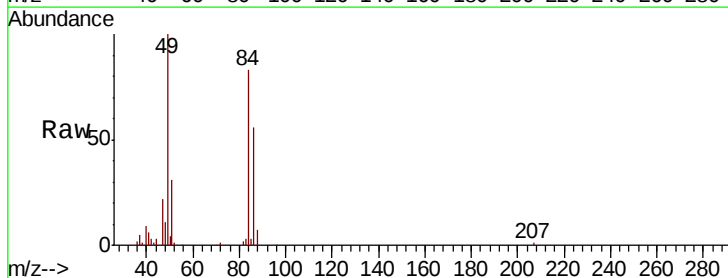
Instrument :
MSVOA_D
ClientSampled :

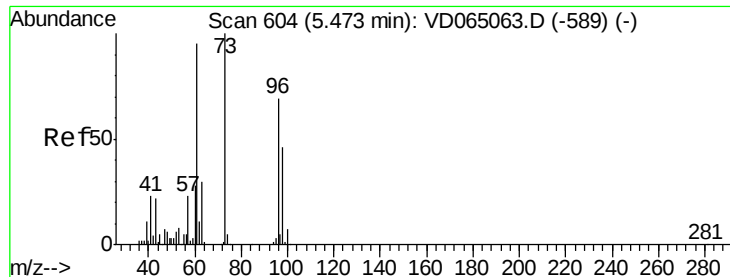
Tot Ion: 73 Resp: 177665
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2



#20
Methylene Chloride
Concen: 21.808 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion: 84 Resp: 102184
Ion Ratio Lower Upper
84 100
49 120.6 100.4 150.6
51 37.0 32.7 49.1
86 68.1 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.172 ug/l

RT: 5.47 min Scan# 603

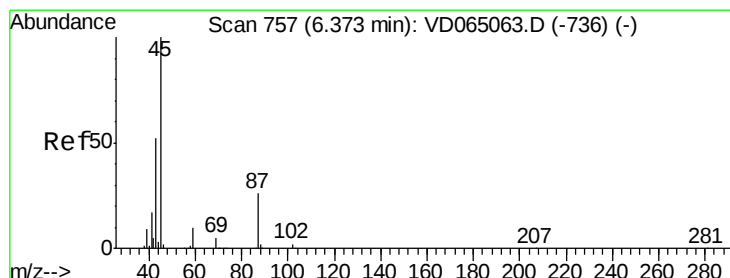
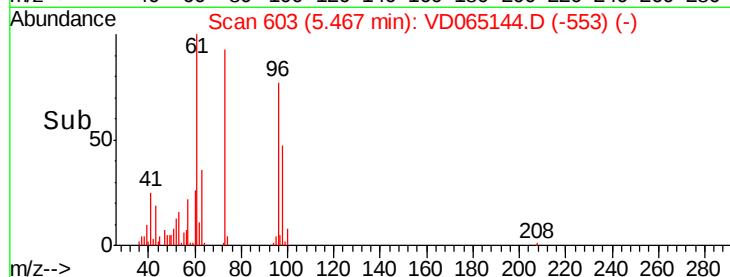
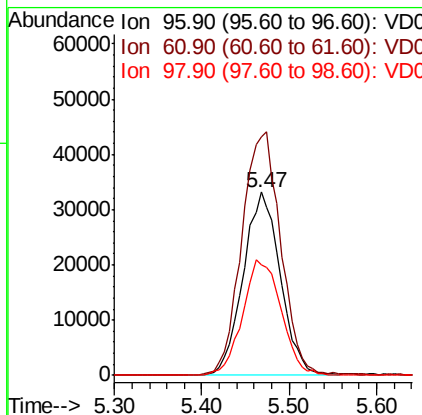
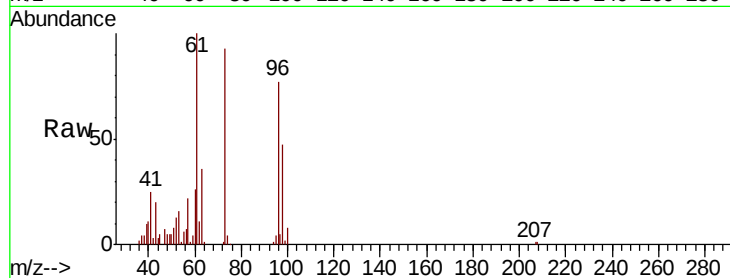
Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	96	Resp:	96100
Ion	Ratio	Lower	Upper
96	100		
61	130.1	109.5	164.3
98	60.5	53.7	80.5



#22

Diisopropyl ether

Concen: 21.871 ug/l

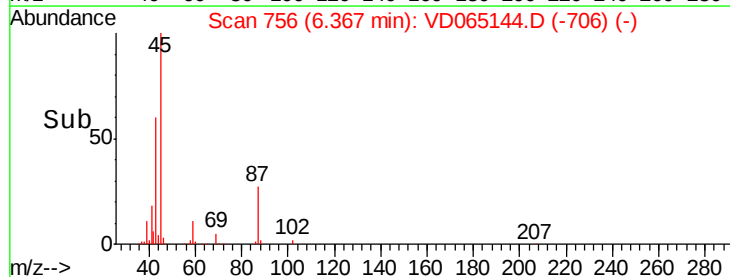
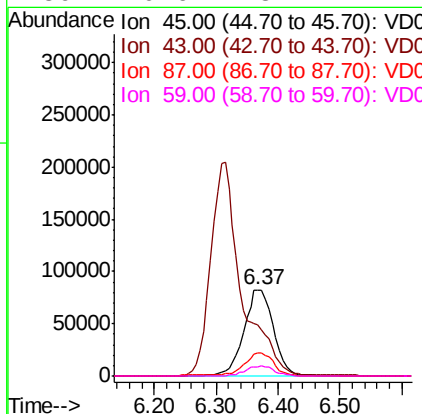
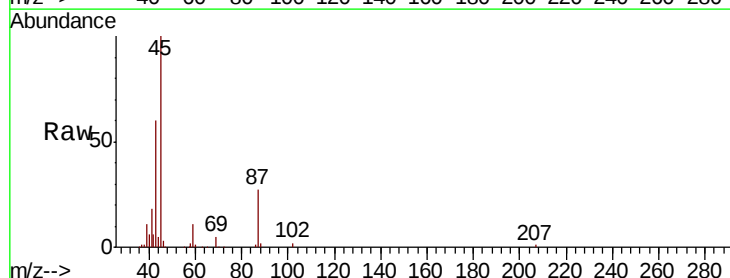
RT: 6.37 min Scan# 756

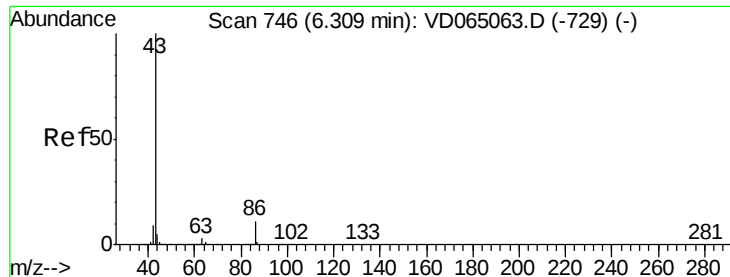
Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion:	45	Resp:	275063
Ion	Ratio	Lower	Upper
45	100		
43	58.9	41.3	61.9
87	27.1	21.0	31.6
59	10.6	8.2	12.4

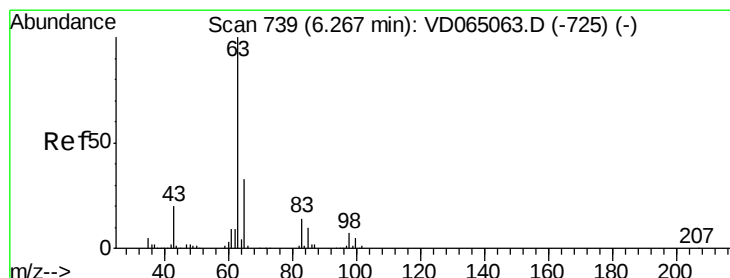
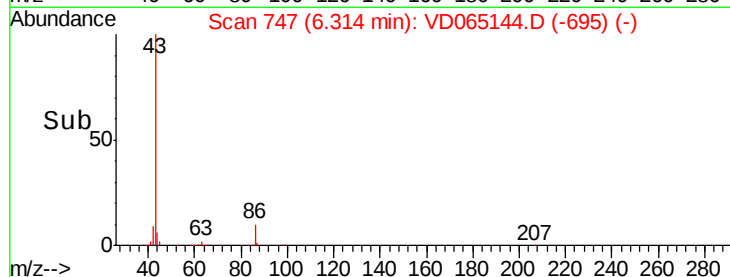
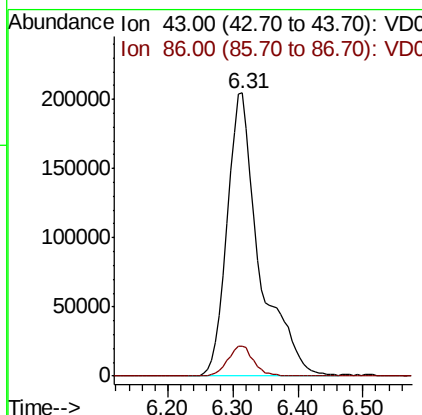
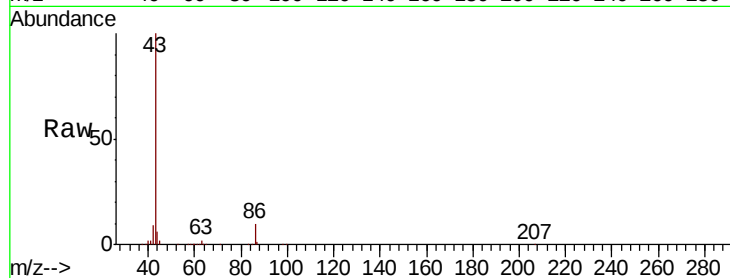




#23
 Vinyl Acetate
 Concen: 100.651 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

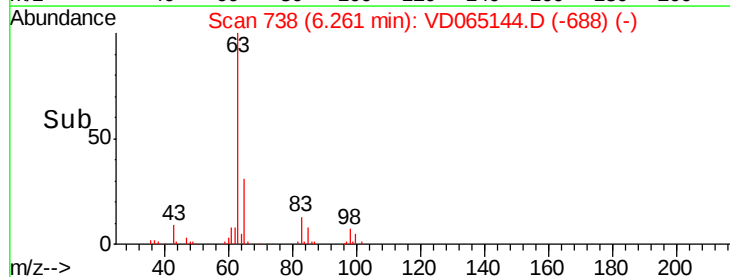
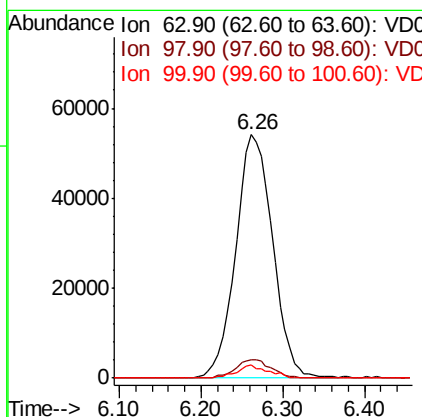
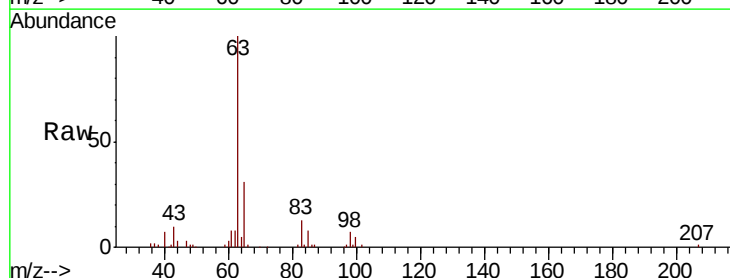
Instrument :
 MSVOA_D
 ClientSampled :

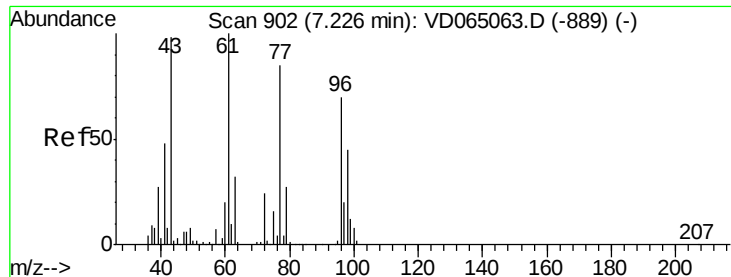
Tot Ion: 43 Resp: 705566
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 22.306 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion: 63 Resp: 169807
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.5 10.4
 100 5.3 2.5 7.6





#25

2-Butanone

Concen: 104.849 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

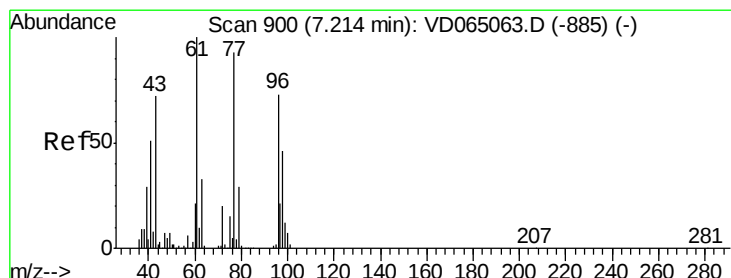
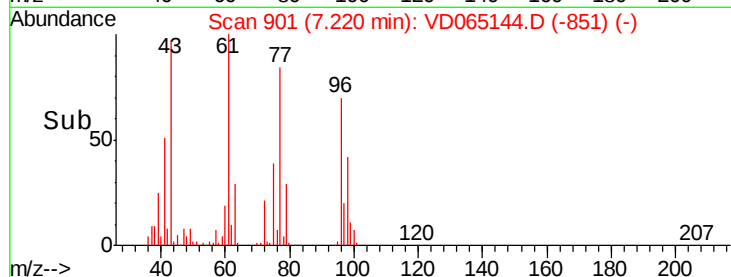
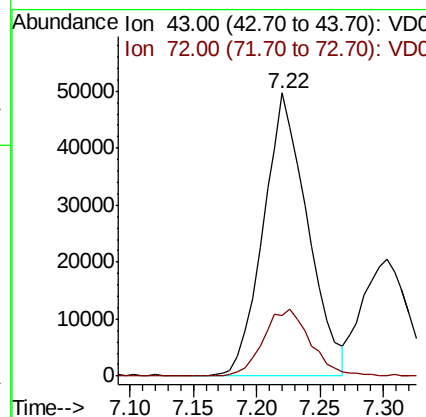
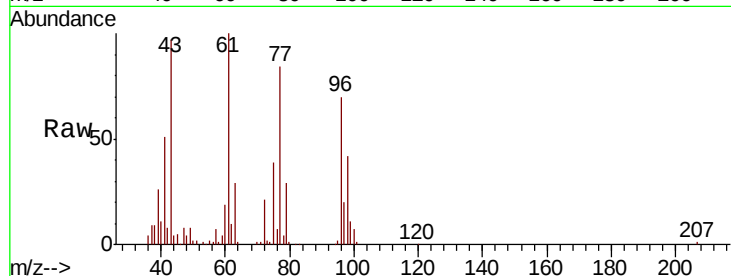
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 120787

Ion Ratio Lower Upper

43 100

72 21.6 19.9 29.9



#26

2,2-Dichloropropane

Concen: 21.403 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065144.D

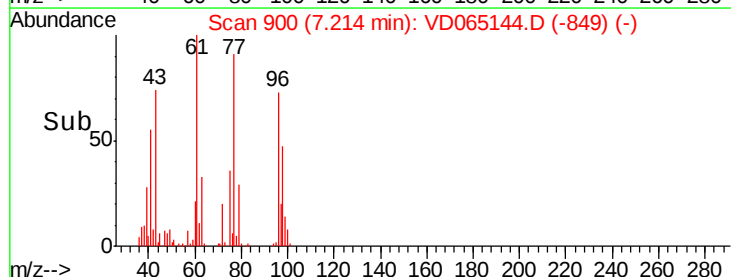
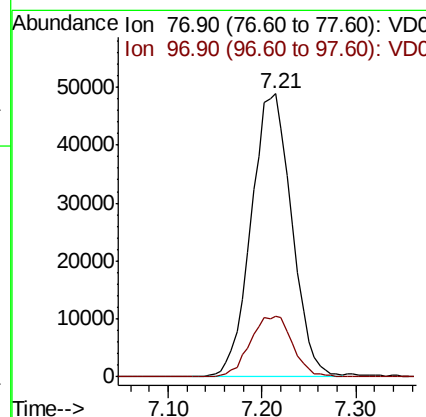
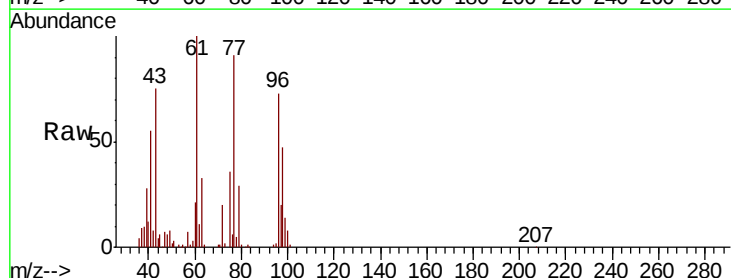
Acq: 11 Feb 2020 12:15

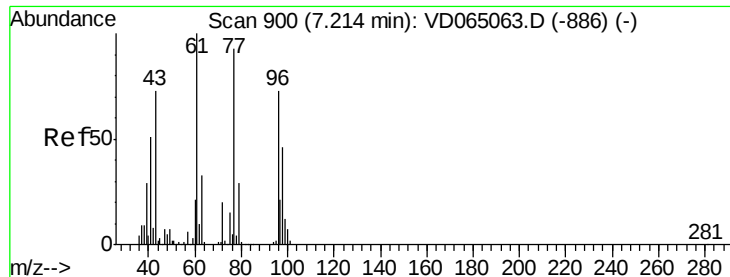
Tgt Ion: 77 Resp: 146035

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.6



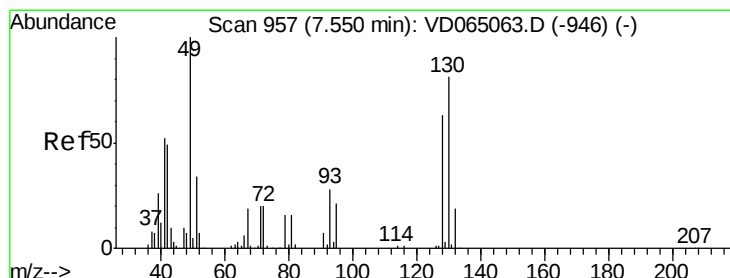
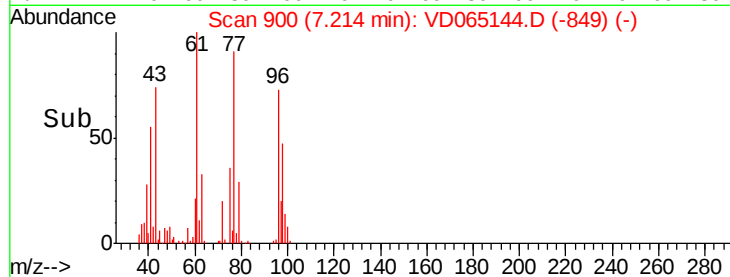
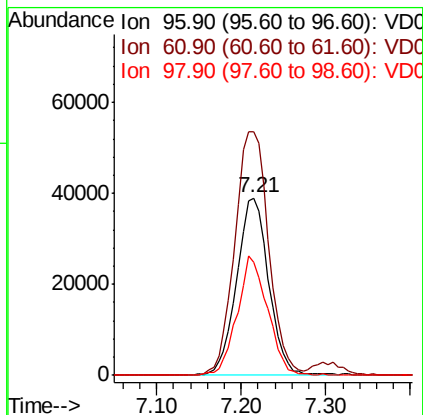
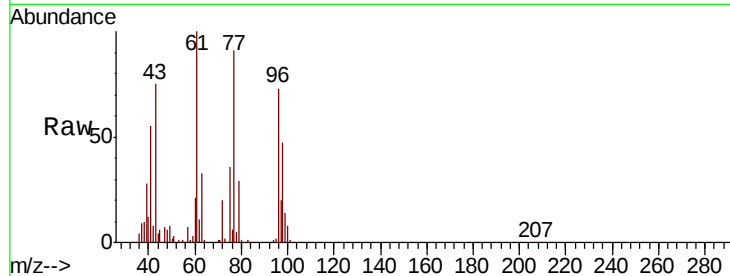


#27

cis-1,2-Dichloroethene
 Concen: 21.258 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

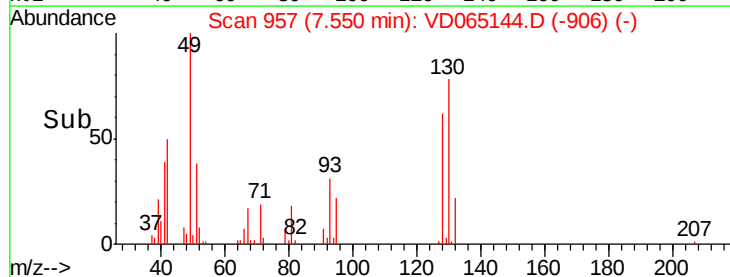
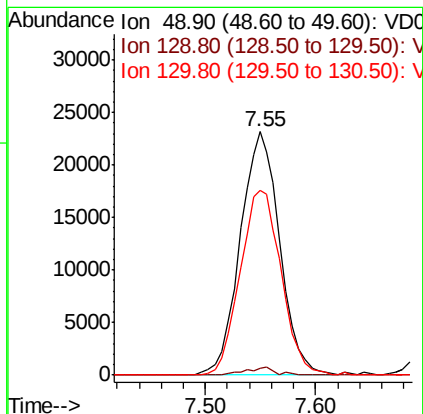
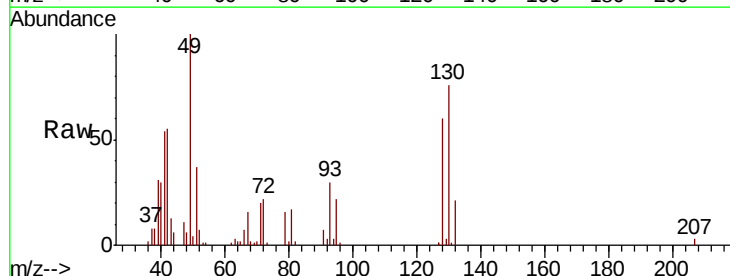
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	292.8
98	63.6	0.0	128.8

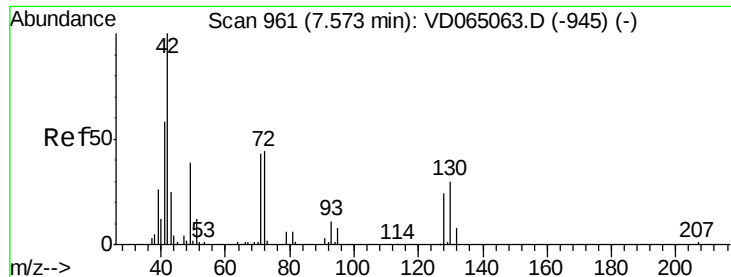


#28

Bromochloromethane
 Concen: 20.105 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	78.8	63.8	95.8





#29

Tetrahydrofuran

Concen: 105.803 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

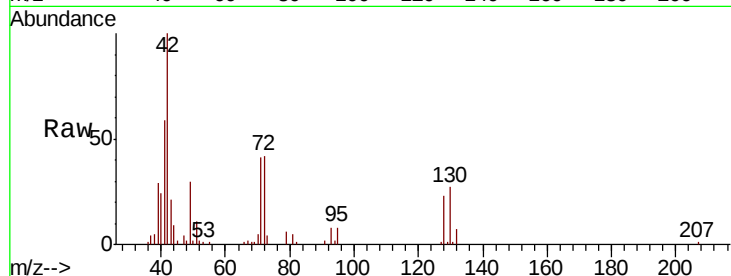
Tot Ion: 42 Resp: 73709

Ion Ratio Lower Upper

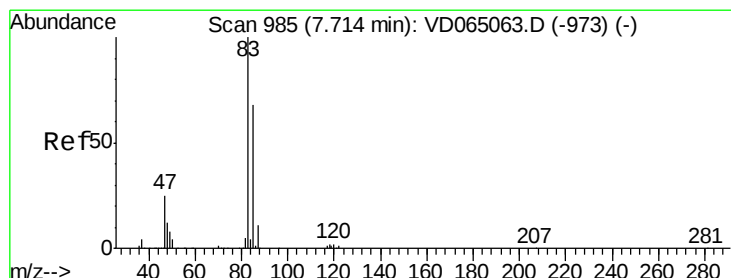
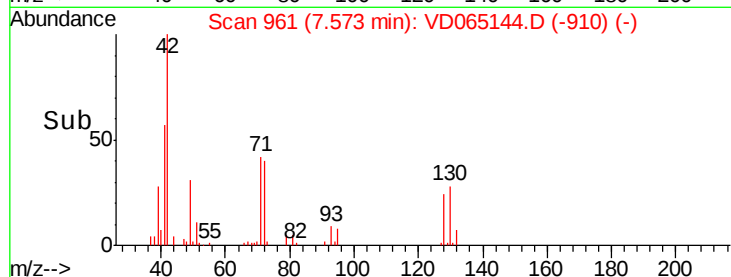
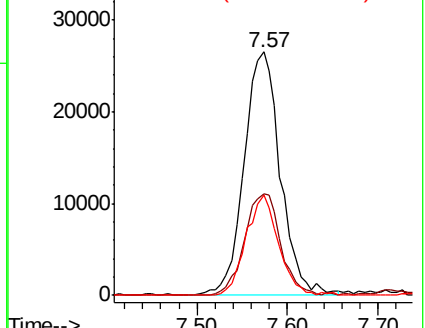
42 100

72 41.4 34.2 51.4

71 36.7 31.8 47.6



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: 22.273 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065144.D

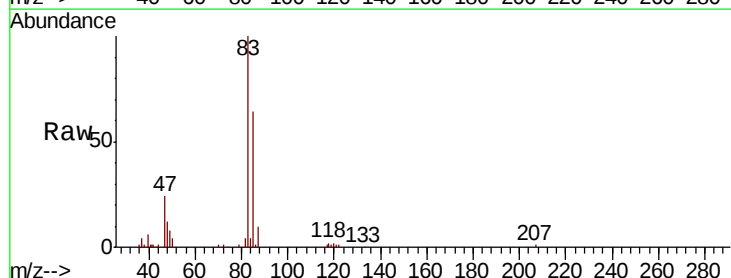
Acq: 11 Feb 2020 12:15

Tgt Ion: 83 Resp: 168825

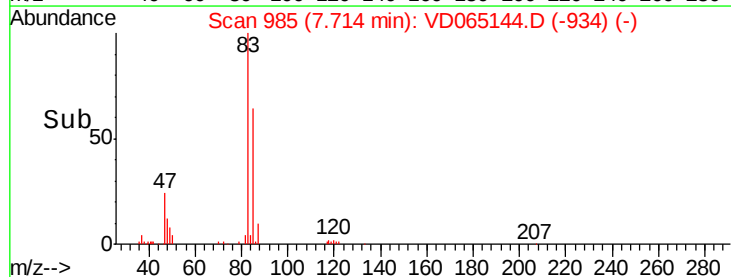
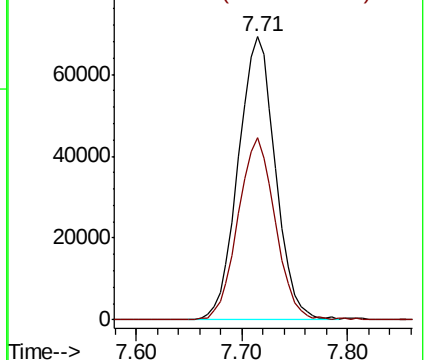
Ion Ratio Lower Upper

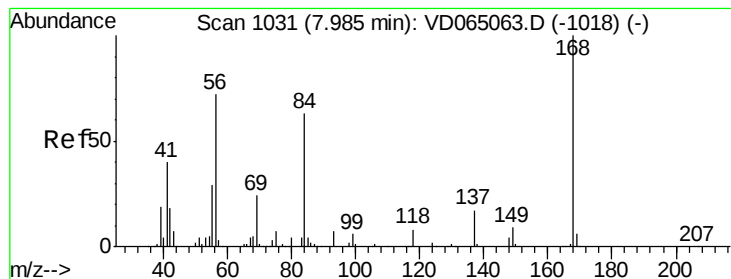
83 100

85 64.4 54.2 81.4



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





#31

Cyclohexane

Concen: 20.659 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

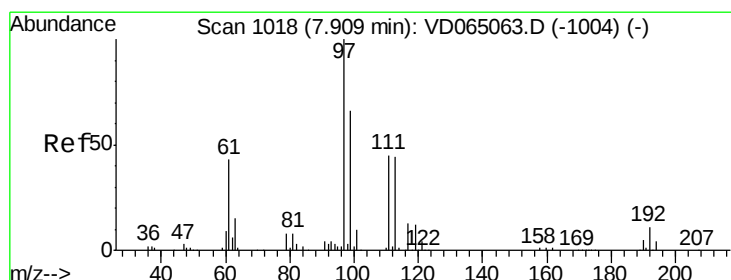
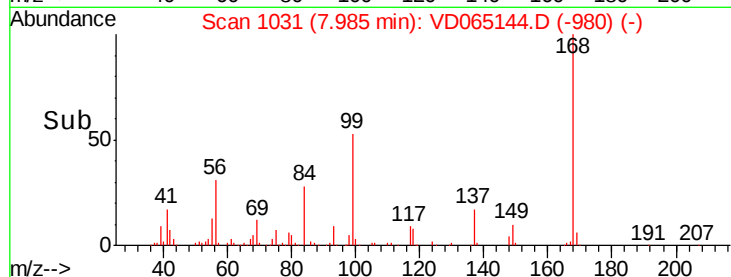
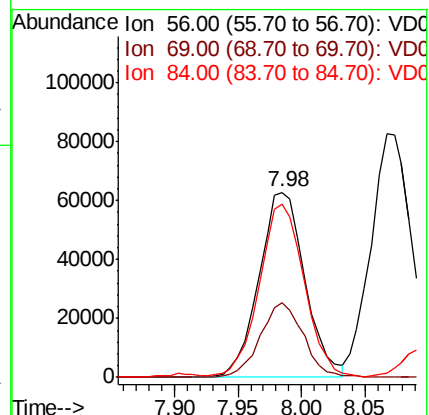
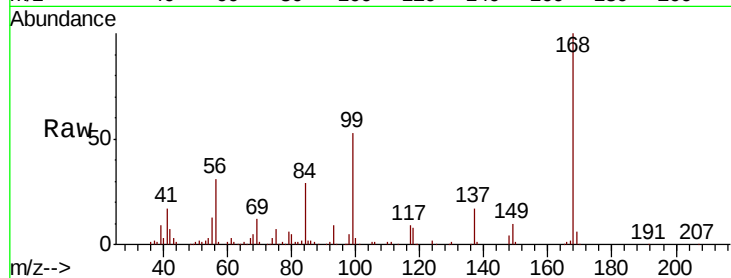
Tot Ion: 56 Resp: 158749

Ion Ratio Lower Upper

56 100

69 40.5 26.6 40.0#

84 92.1 70.6 106.0



#32

1,1,1-Trichloroethane

Concen: 21.838 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

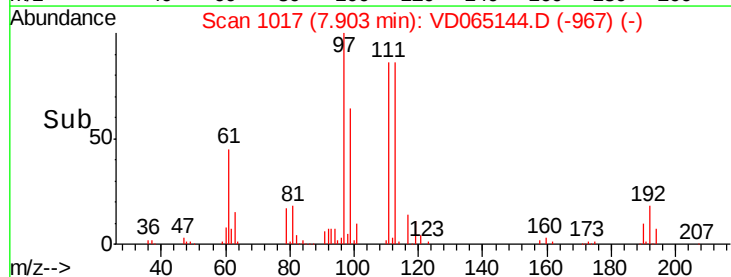
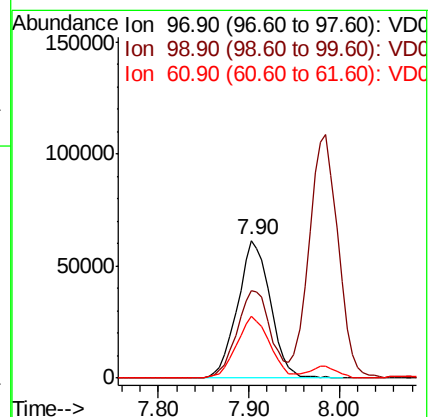
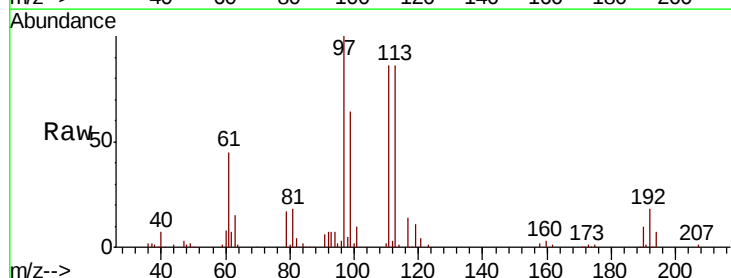
Tgt Ion: 97 Resp: 154191

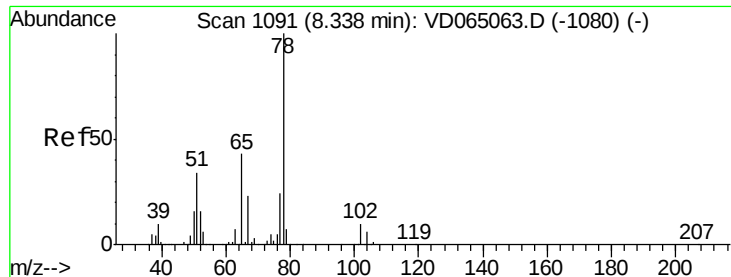
Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

61 44.9 34.8 52.2

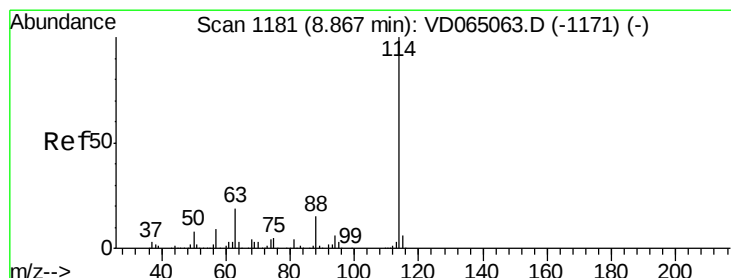
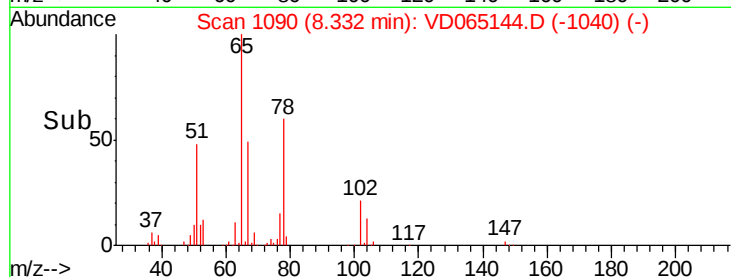
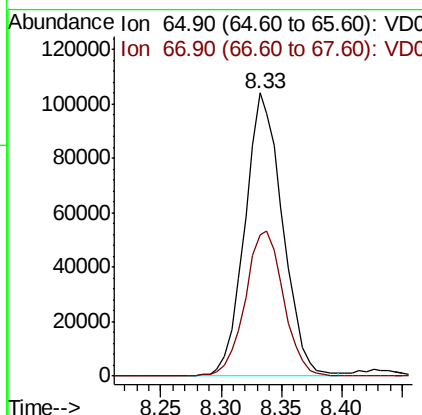
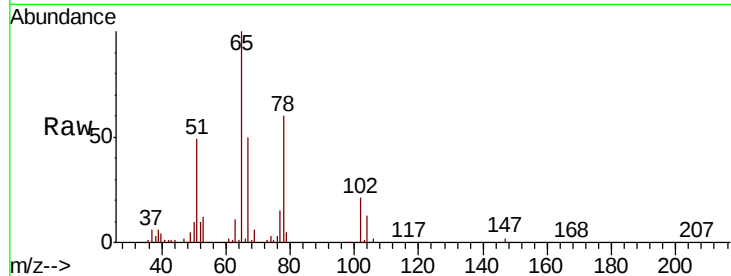




#33
 1,2-Dichloroethane-d4
 Concen: 58.336 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

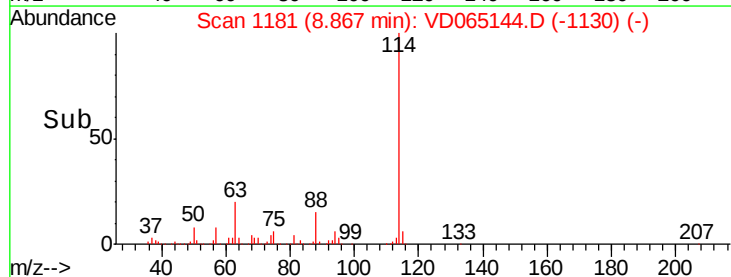
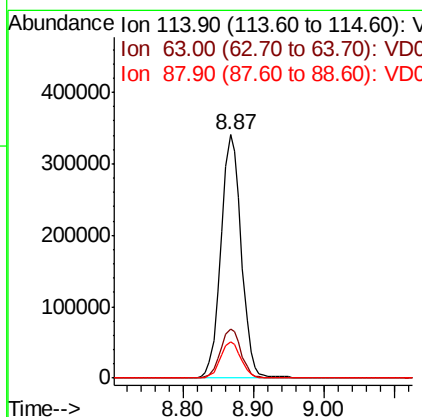
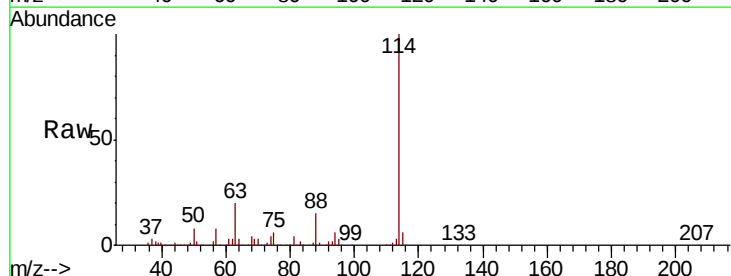
Instrument :
 MSVOA_D
 ClientSampleID :

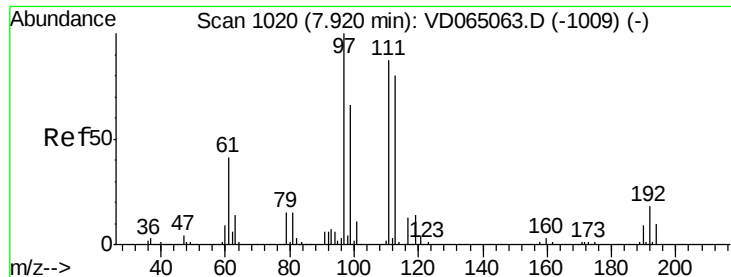
Tot Ion: 65 Resp: 225337
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion: 114 Resp: 682309
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.8
 88 14.7 0.0 29.6

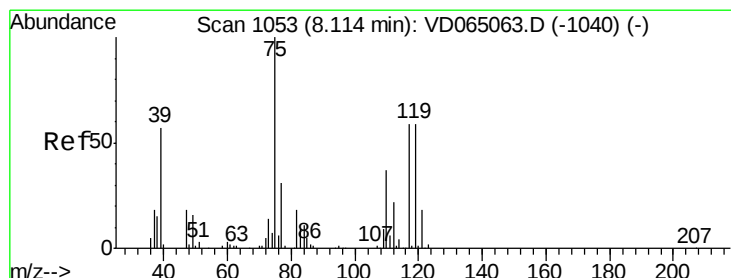
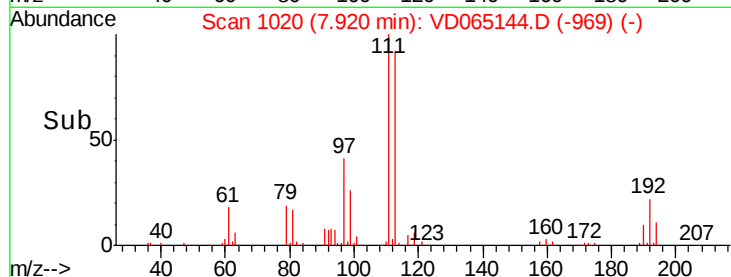
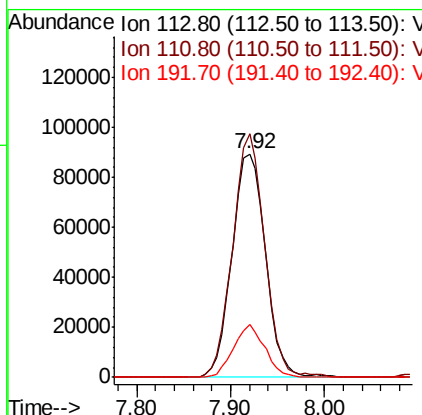
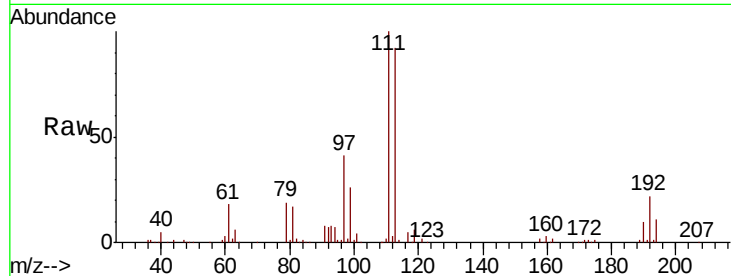




#35
 Dibromofluoromethane
 Concen: 58.240 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

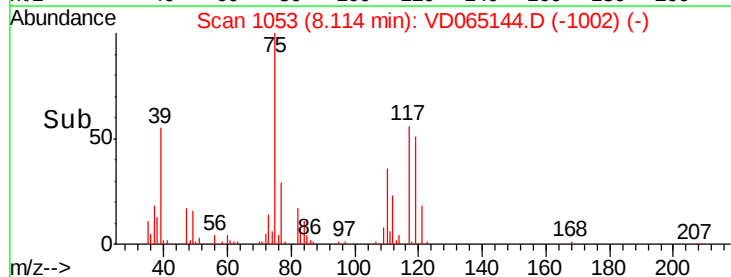
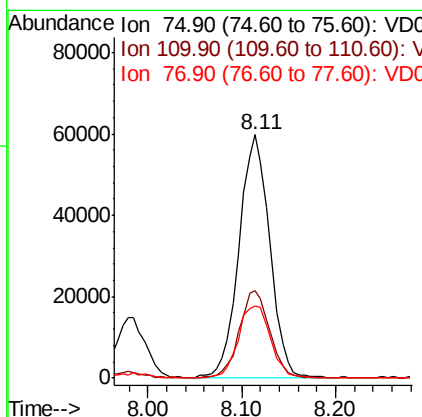
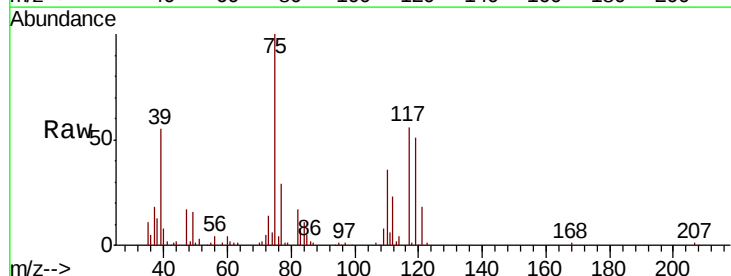
Instrument :
 MSVOA_D
 ClientSampleId :

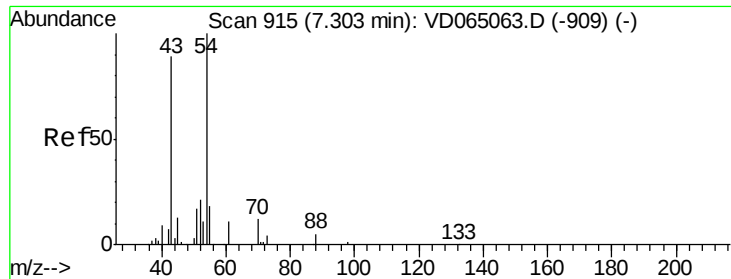
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	22.1	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 21.423 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.3
77	31.2	24.7	37.1

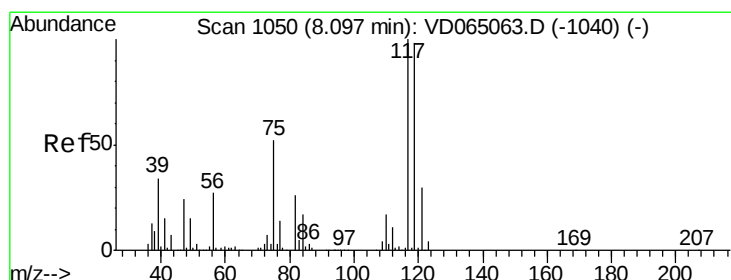
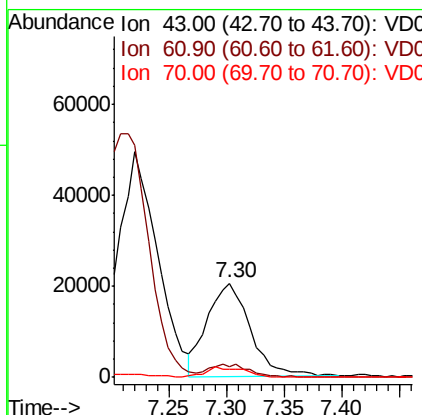
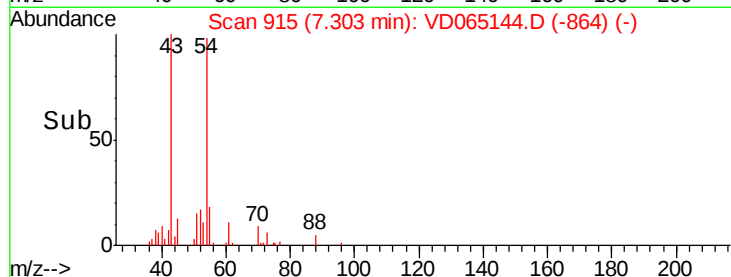
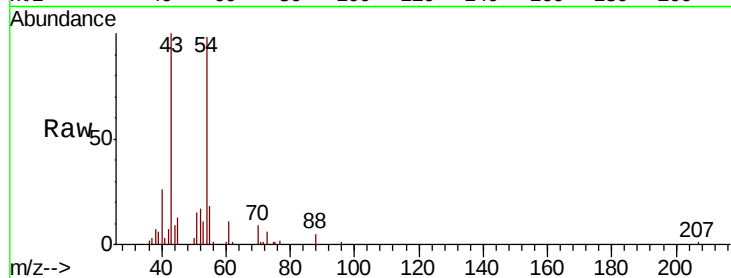




#37
Ethyl Acetate
Concen: 20.691 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

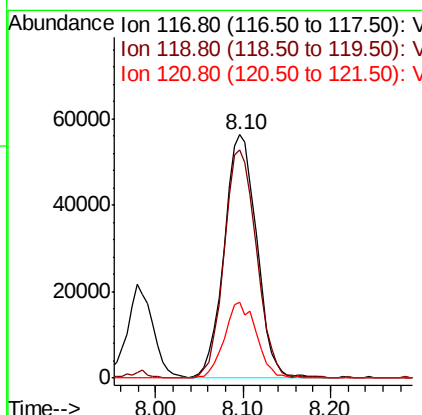
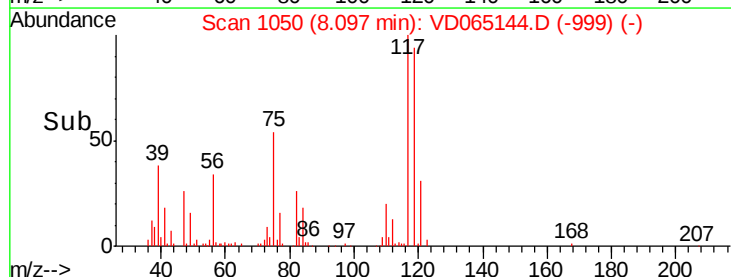
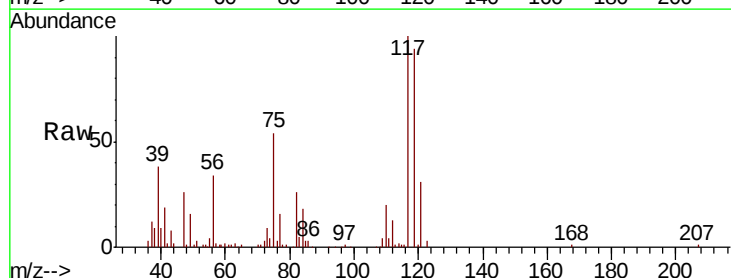
Instrument :
MSVOA_D
ClientSampleId :

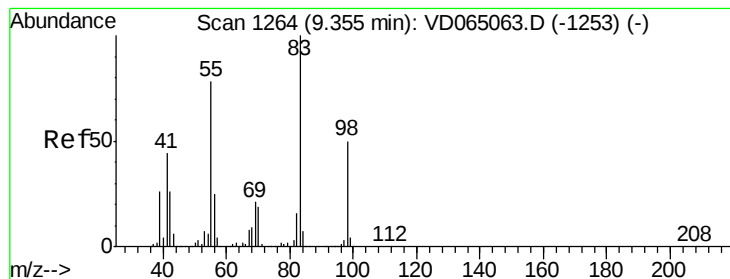
Tot Ion: 43 Resp: 53630
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.4
70 10.3 8.2 12.2



#38
Carbon Tetrachloride
Concen: 22.093 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion: 117 Resp: 143160
Ion Ratio Lower Upper
117 100
119 93.6 78.5 117.7
121 31.2 23.8 35.6





#39

Methylvlcvclohexane

Concen: 19.208 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

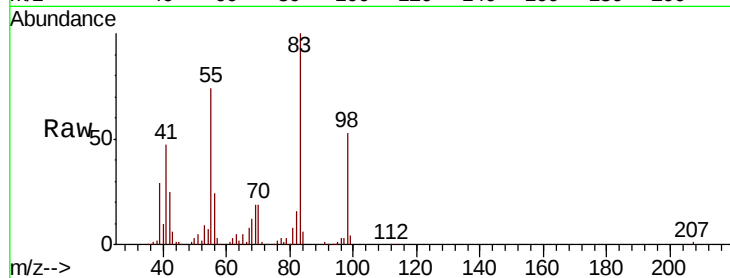
Tot Ion: 83 Resp: 150420

Ion Ratio Lower Upper

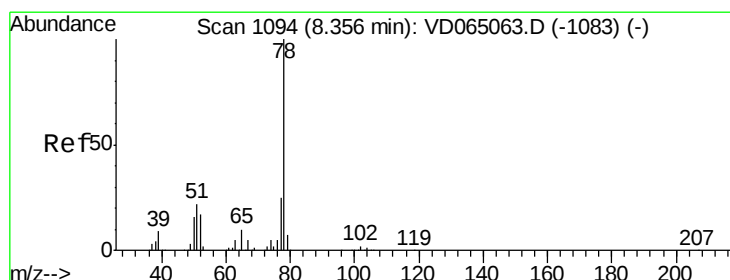
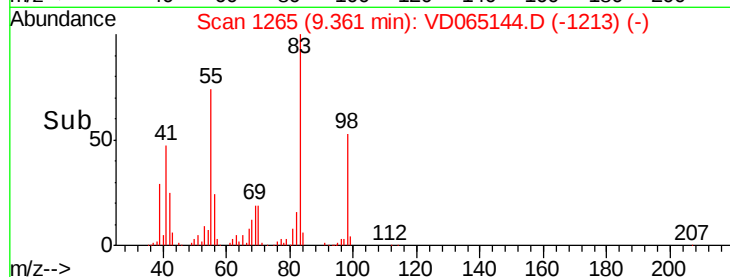
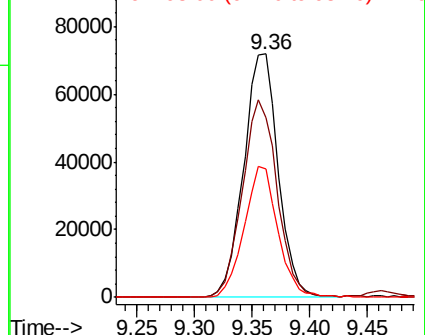
83 100

55 73.7 62.0 93.0

98 52.6 39.9 59.9



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



#40

Benzene

Concen: 21.483 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD065144.D

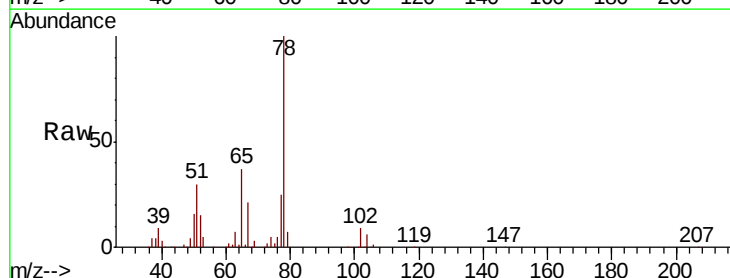
Acq: 11 Feb 2020 12:15

Tgt Ion: 78 Resp: 376377

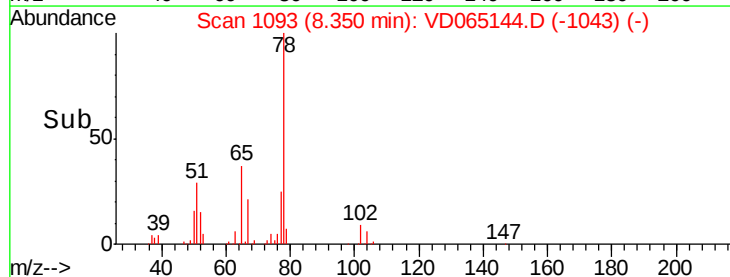
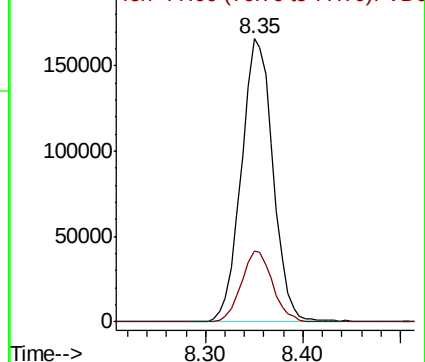
Ion Ratio Lower Upper

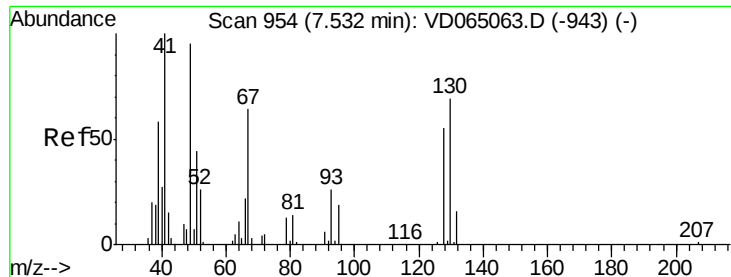
78 100

77 24.9 19.6 29.4



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





#41

Methacrylonitrile

Concen: 21.714 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 31006

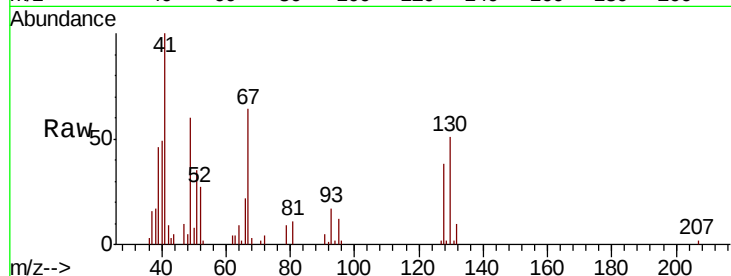
Ion Ratio Lower Upper

41 100

39 54.5 55.4 83.0#

67 71.1 59.0 88.6

52 31.2 25.4 38.0

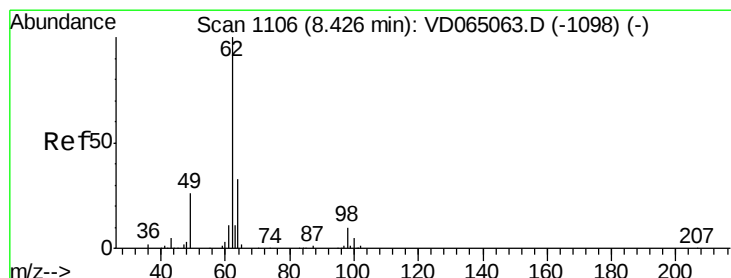
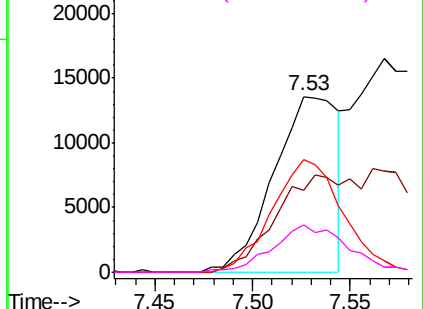
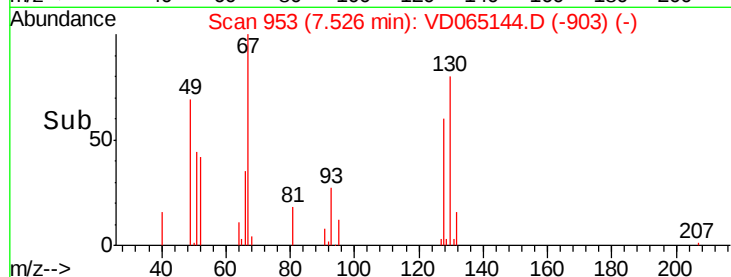


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.421 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065144.D

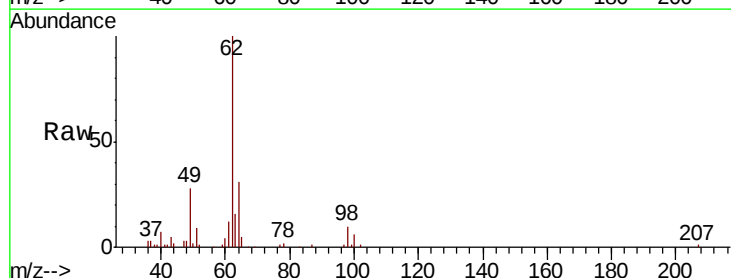
Acq: 11 Feb 2020 12:15

Tgt Ion: 62 Resp: 106937

Ion Ratio Lower Upper

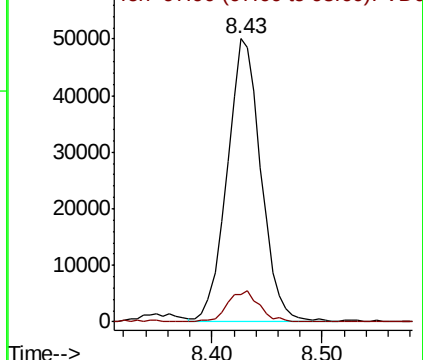
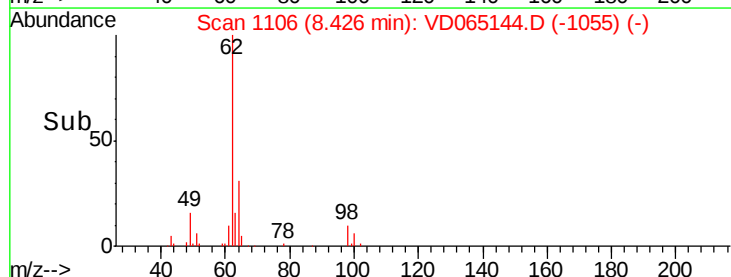
62 100

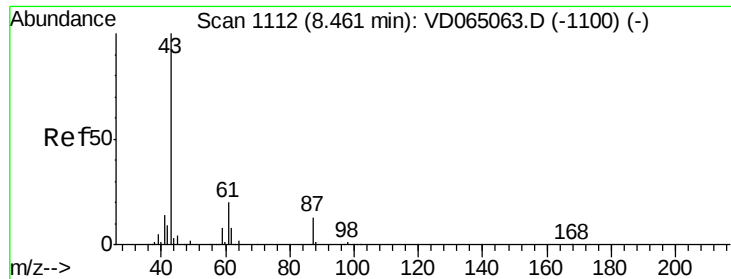
98 10.2 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.273 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

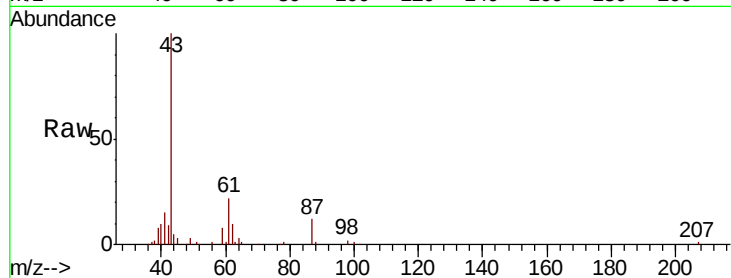
Tot Ion: 43 Resp: 100515

Ion Ratio Lower Upper

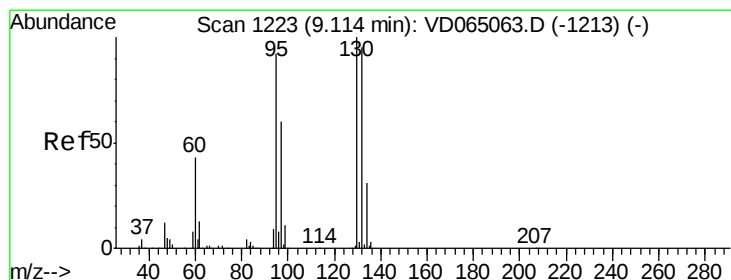
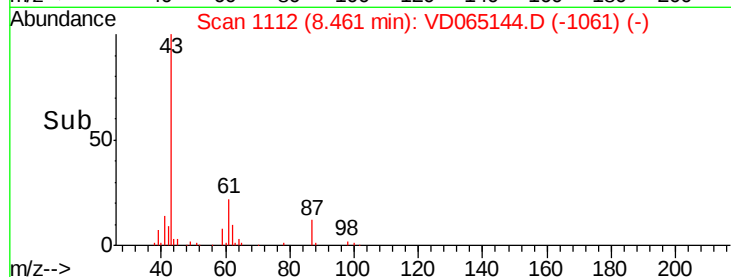
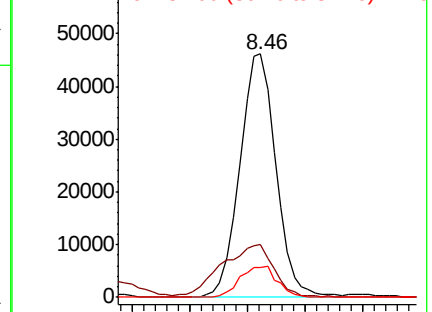
43 100

61 31.4 24.0 36.0

87 13.0 10.2 15.4



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



#44

Trichloroethene

Concen: 20.621 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065144.D

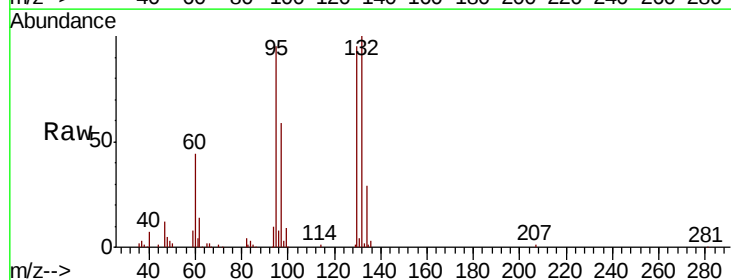
Acq: 11 Feb 2020 12:15

Tgt Ion: 130 Resp: 103698

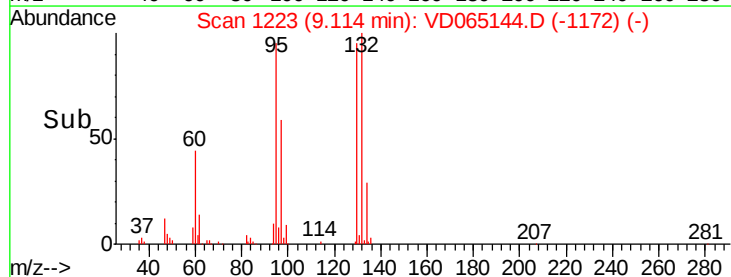
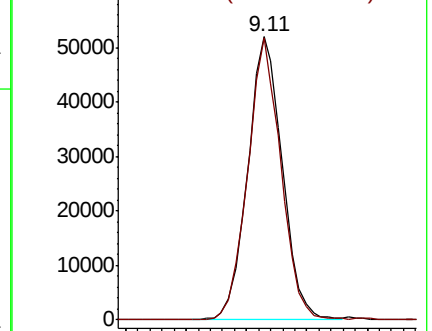
Ion Ratio Lower Upper

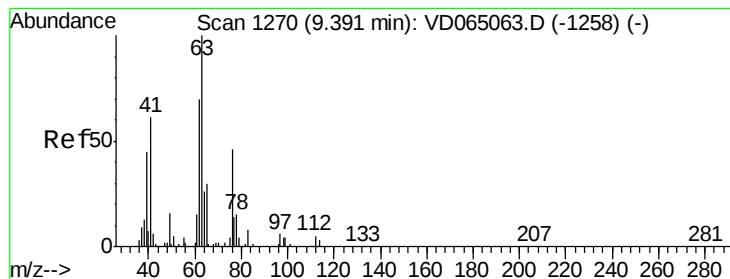
130 100

95 99.5 0.0 185.0



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





#45

1,2-Dichloropropane

Concen: 22.266 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

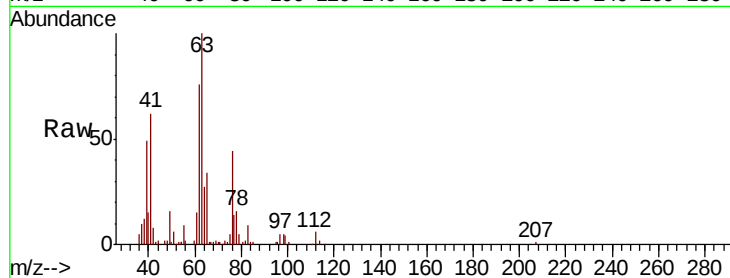
ClientSampleId :

Tot Ion: 63 Resp: 93532

Ion Ratio Lower Upper

63 100

65 34.2 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

50000

40000

30000

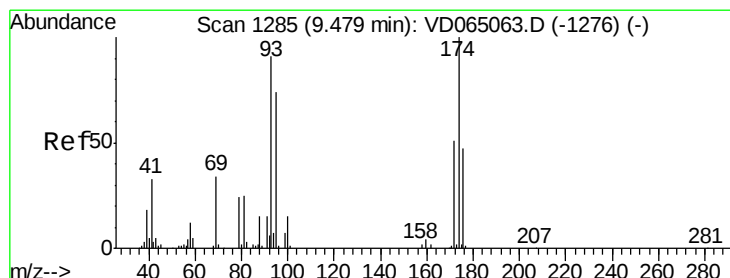
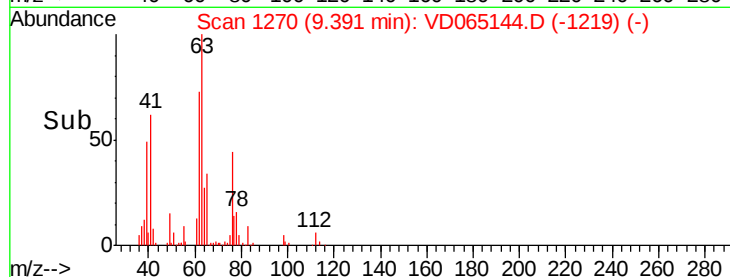
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 22.410 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

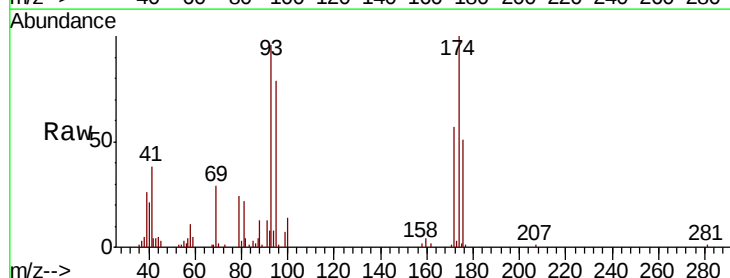
Tgt Ion: 93 Resp: 49466

Ion Ratio Lower Upper

93 100

95 82.2 66.5 99.7

174 107.0 89.8 134.8



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): VDC

9.48

30000

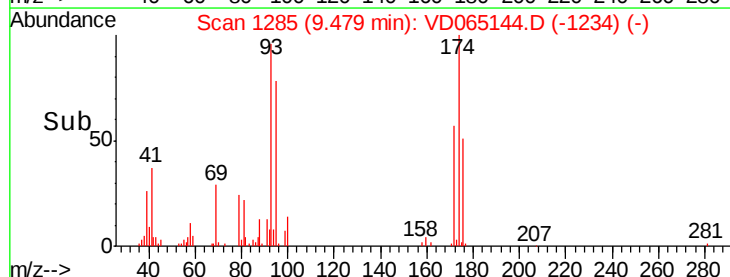
20000

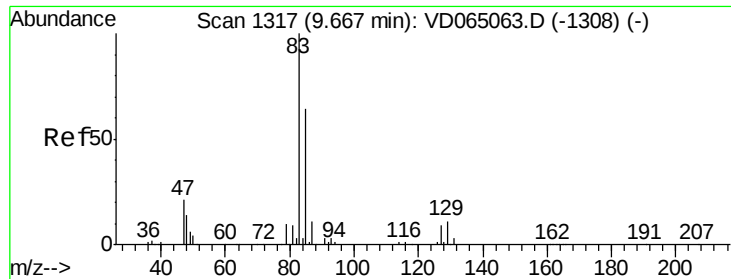
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 22.119 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

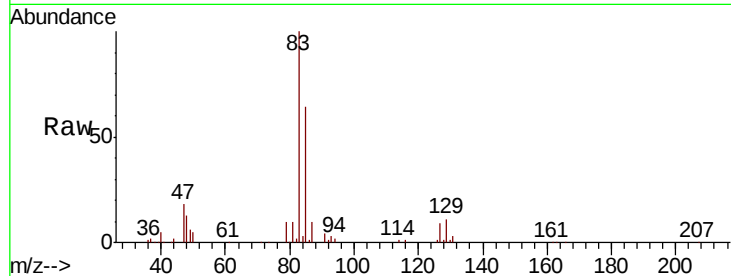
Tot Ion: 83 Resp: 128648

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.6

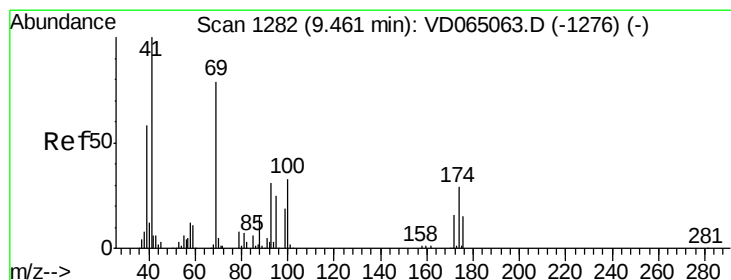
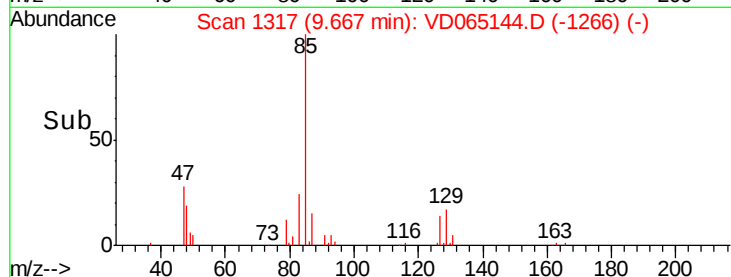
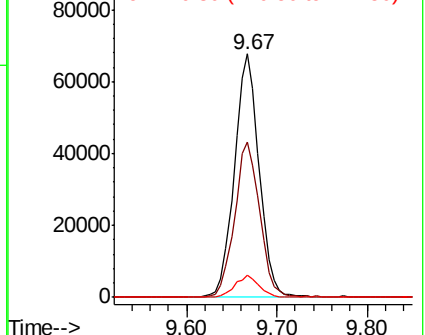
127 9.0 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.863 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

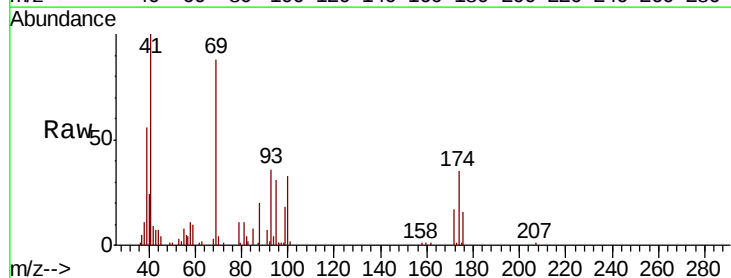
Tgt Ion: 41 Resp: 47391

Ion Ratio Lower Upper

41 100

69 88.3 67.5 101.3

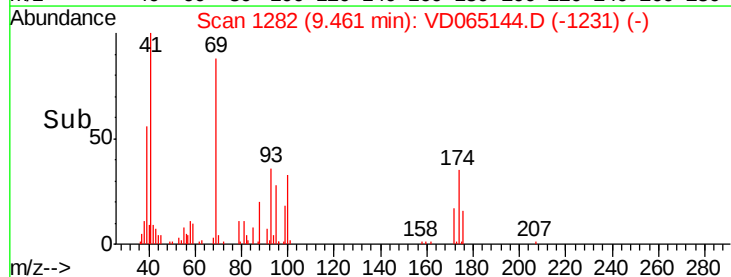
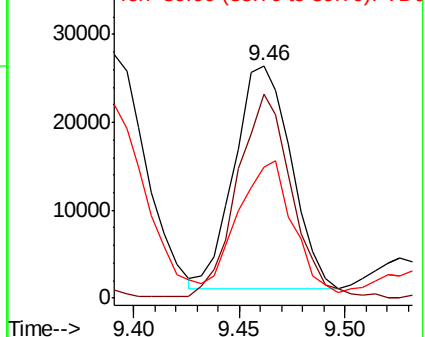
39 56.1 47.0 70.4

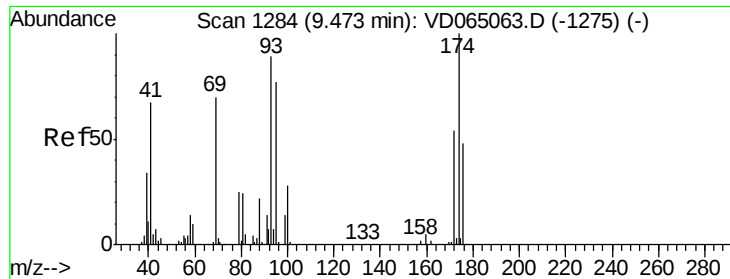


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

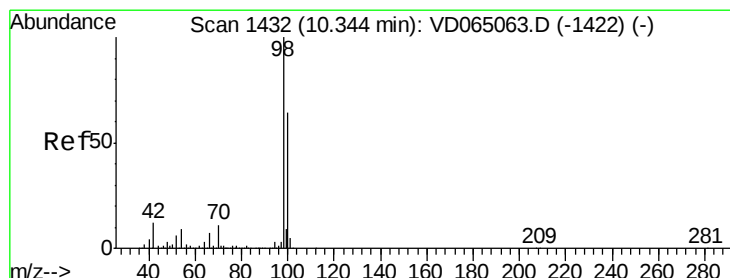
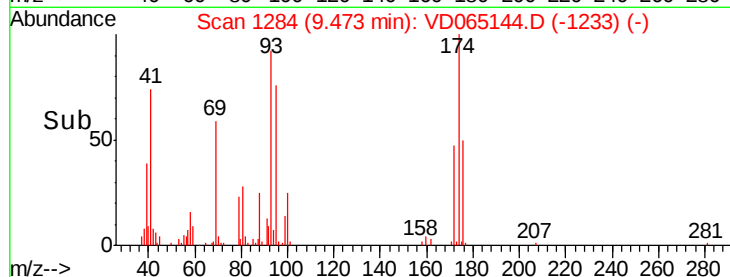
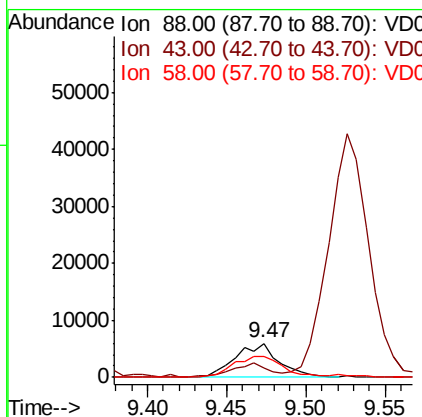
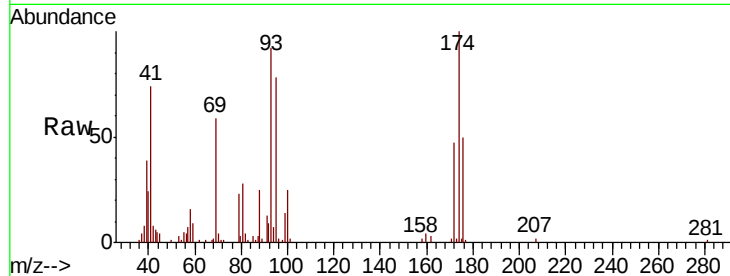




#49
1,4-Dioxane
Concen: 430.192 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

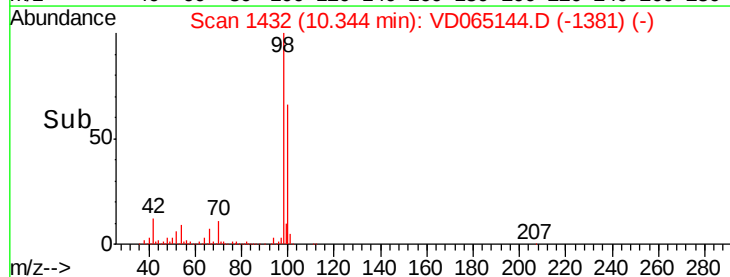
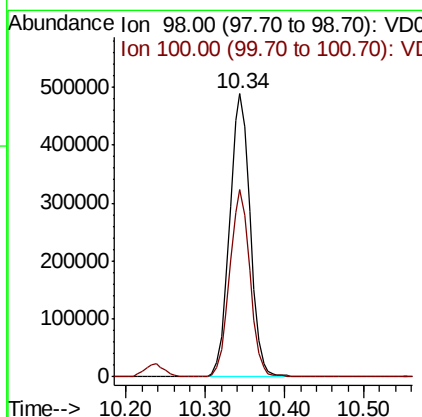
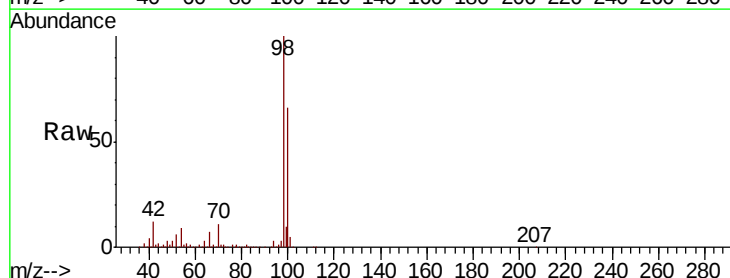
Instrument :
MSVOA_D
ClientSampleId :

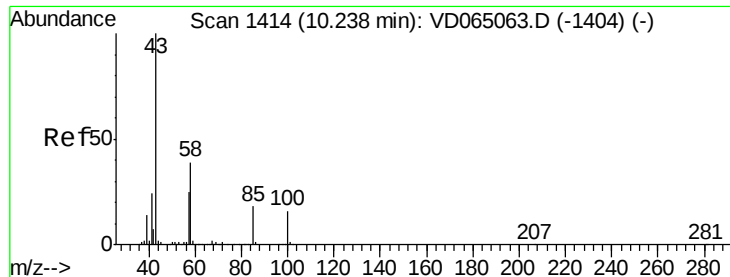
Tot Ion: 88 Resp: 11247
Ion Ratio Lower Upper
88 100
43 36.1 27.7 41.5
58 75.7 55.5 83.3



#50
Toluene-d8
Concen: 57.722 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion: 98 Resp: 874627
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1

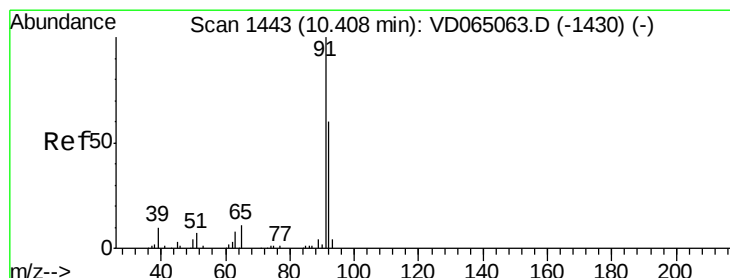
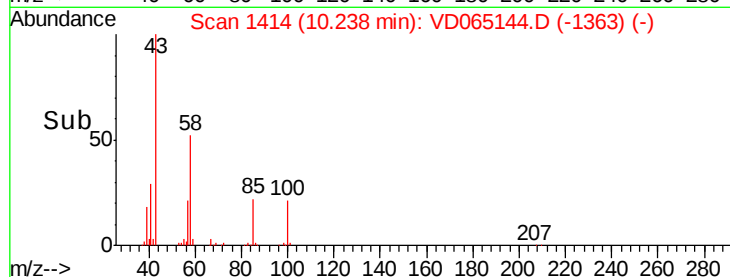
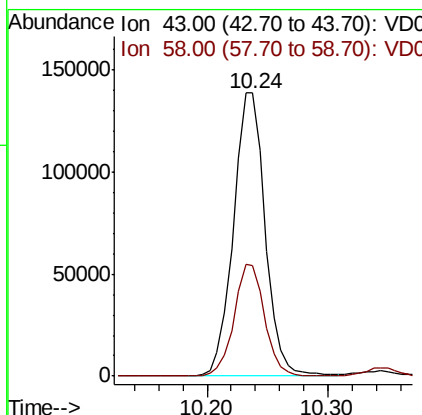
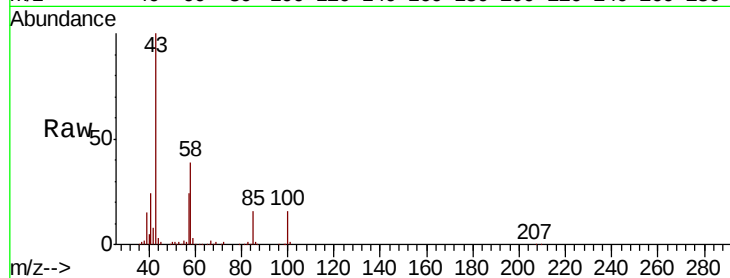




#51
 4-Methyl-2-Pentanone
 Concen: 104.345 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

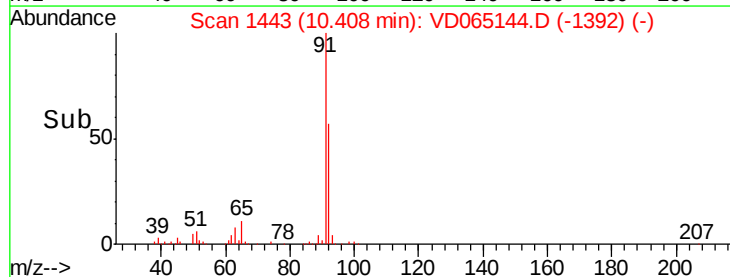
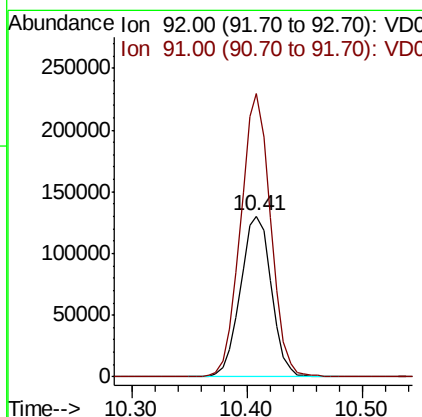
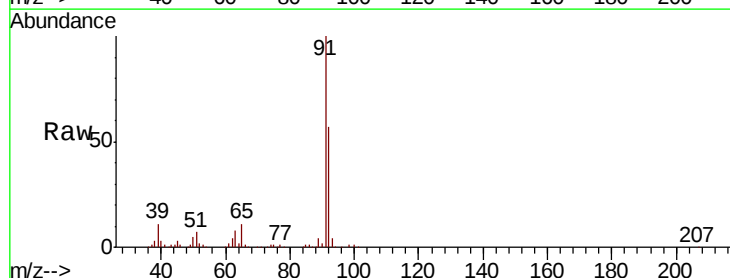
Instrument :
 MSVOA_D
 ClientSampled :

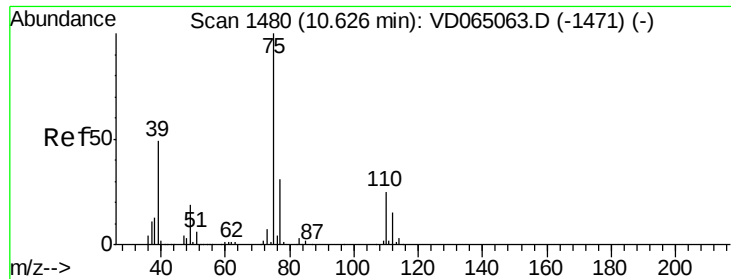
Tot Ion: 43 Resp: 254653
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.2 45.2



#52
 Toluene
 Concen: 21.704 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion: 92 Resp: 242694
 Ion Ratio Lower Upper
 92 100
 91 171.4 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 21.368 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

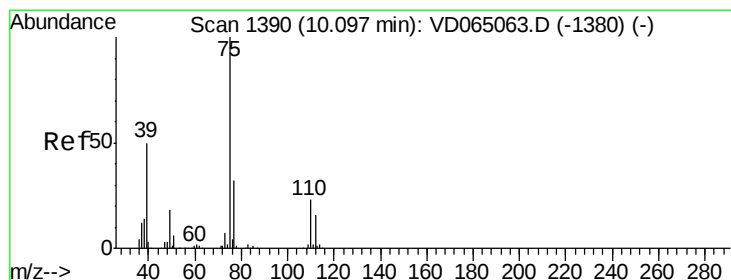
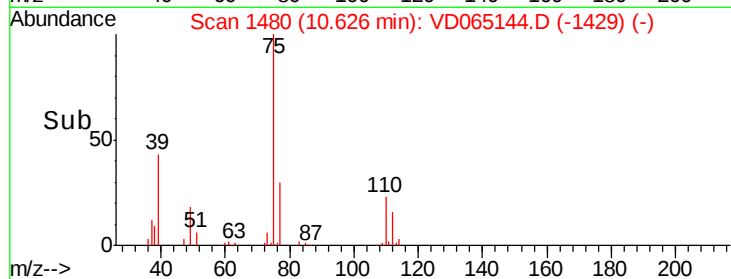
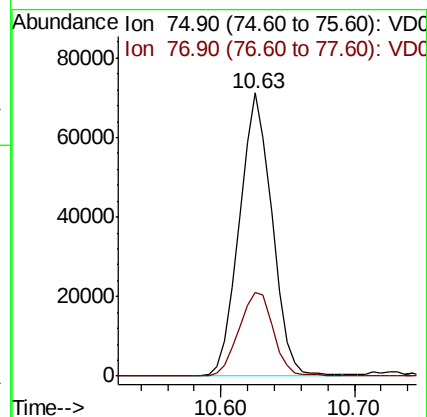
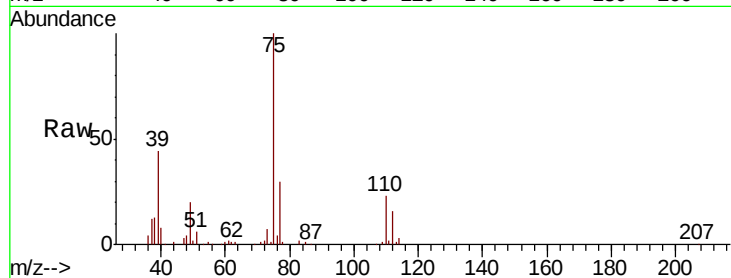
ClientSampleId :

Tot Ion: 75 Resp: 121002

Ion Ratio Lower Upper

75 100

77 29.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.446 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

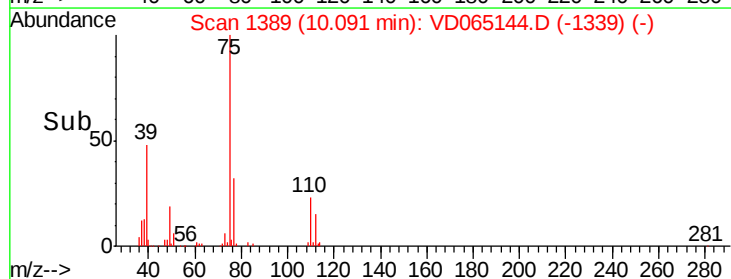
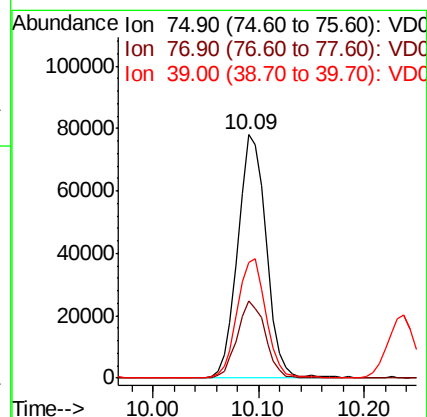
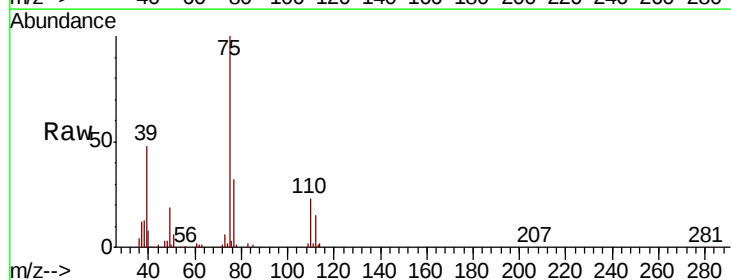
Tgt Ion: 75 Resp: 145249

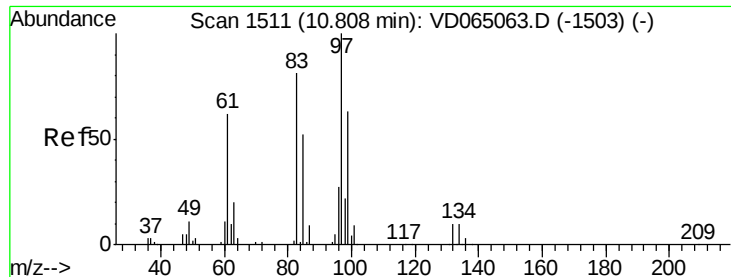
Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9

39 47.4 40.3 60.5

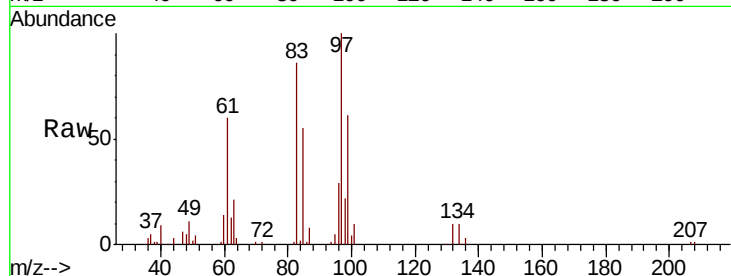




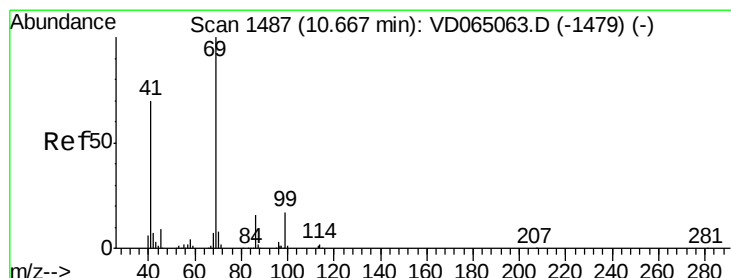
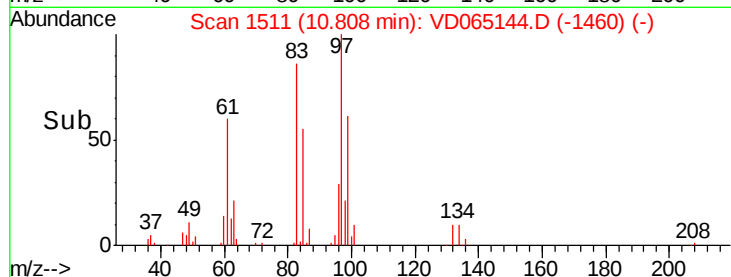
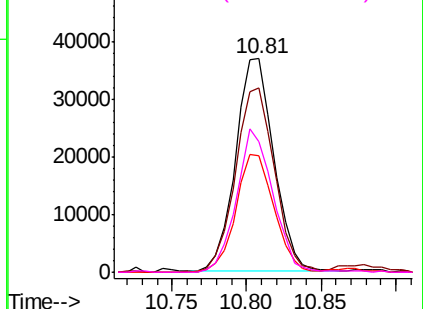
#55
 1,1,2-Trichloroethane
 Concen: 21.727 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	65783
Ion	Ratio	Lower	Upper
97	100		
83	86.1	64.8	97.2
85	54.7	41.2	61.8
99	61.1	50.3	75.5

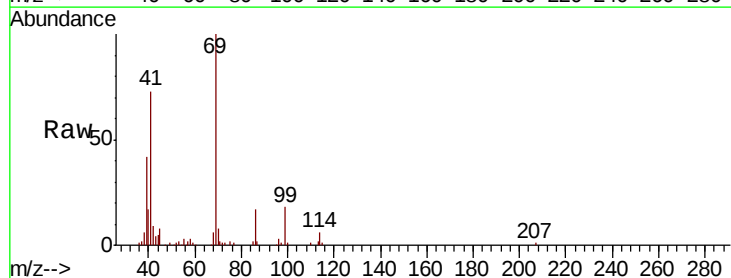


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

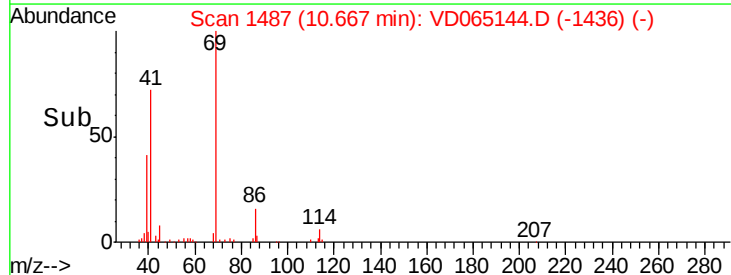
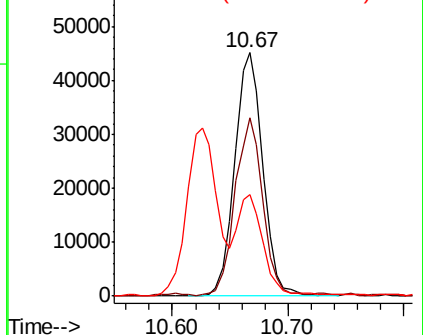


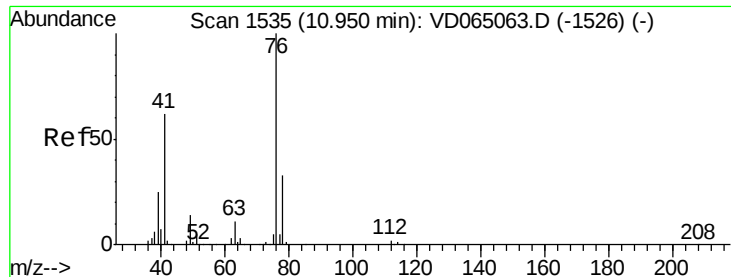
#56
 Ethyl methacrylate
 Concen: 19.837 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion:	69	Resp:	75993
Ion	Ratio	Lower	Upper
69	100		
41	72.6	55.9	83.9
39	39.9	29.4	44.0



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: 21.590 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

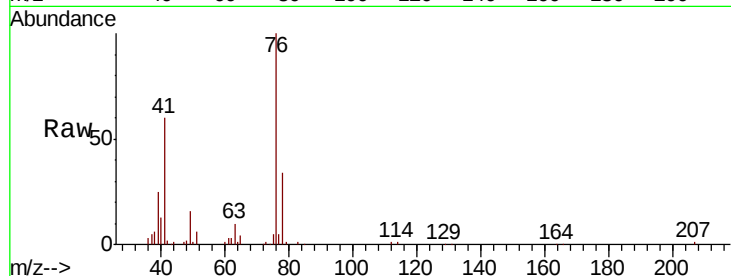
ClientSampleId :

Tot Ion: 76 Resp: 114945

Ion Ratio Lower Upper

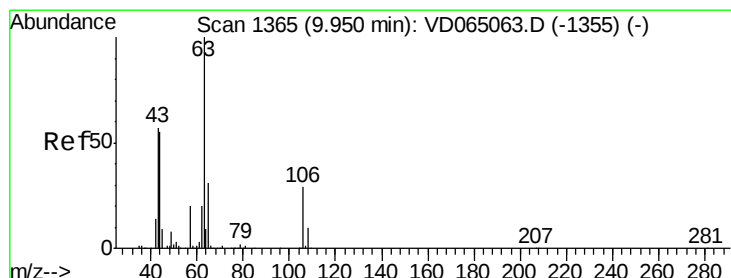
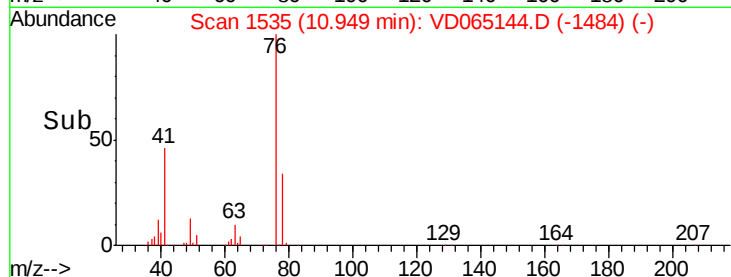
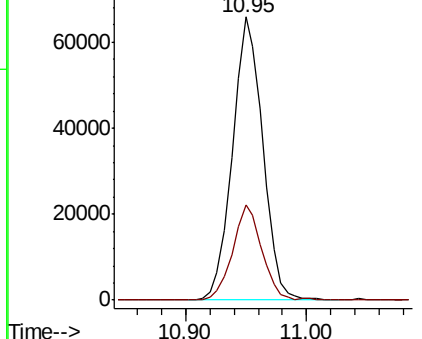
76 100

78 32.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 88.223 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065144.D

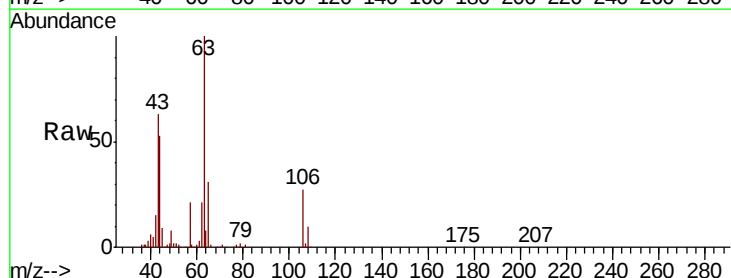
Acq: 11 Feb 2020 12:15

Tgt Ion: 63 Resp: 124421

Ion Ratio Lower Upper

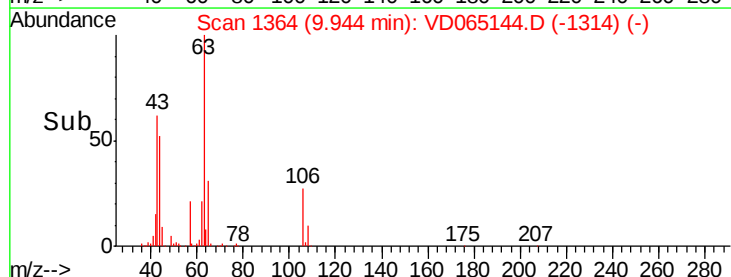
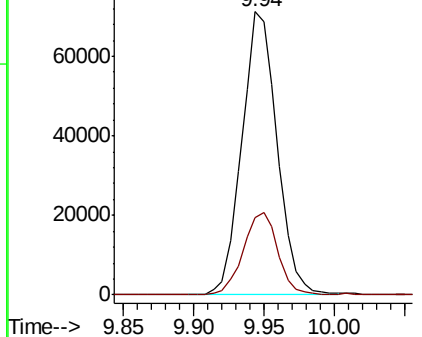
63 100

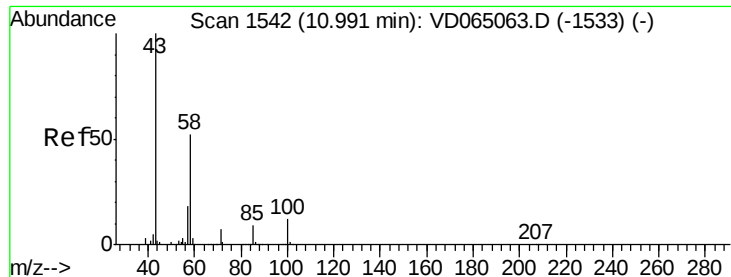
106 28.4 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

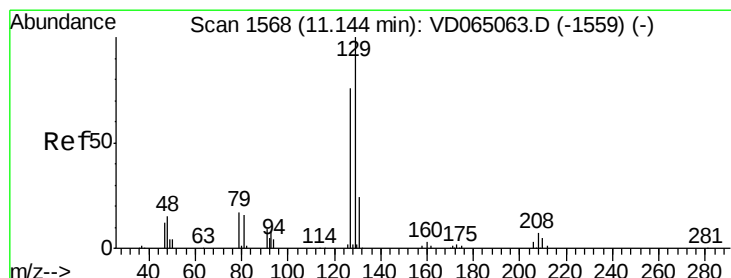
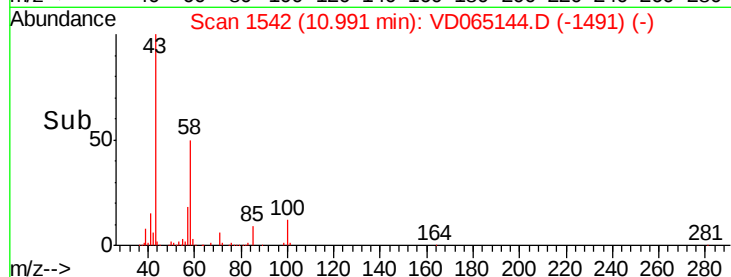
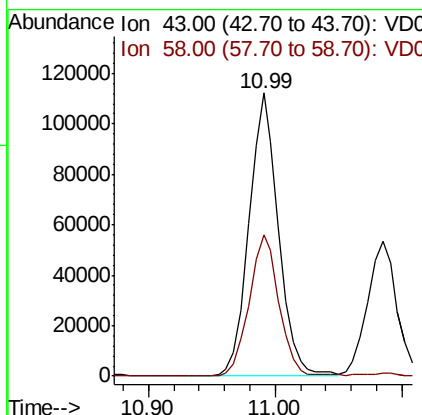
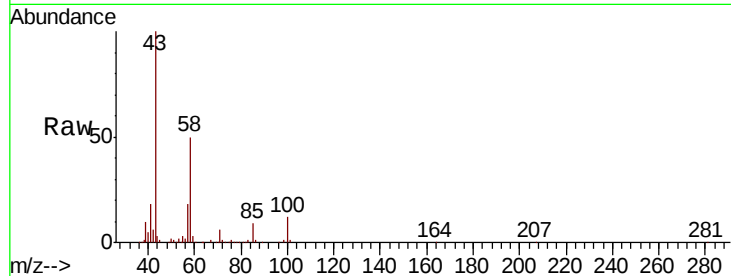




#59
2-Hexanone
Concen: 105.030 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

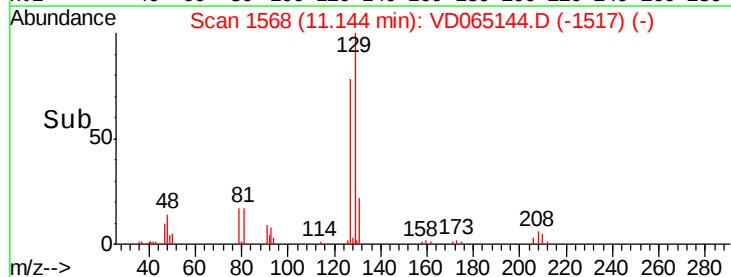
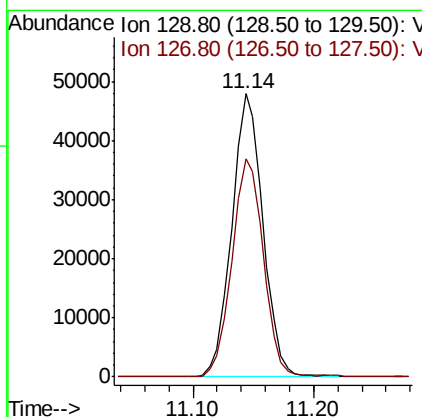
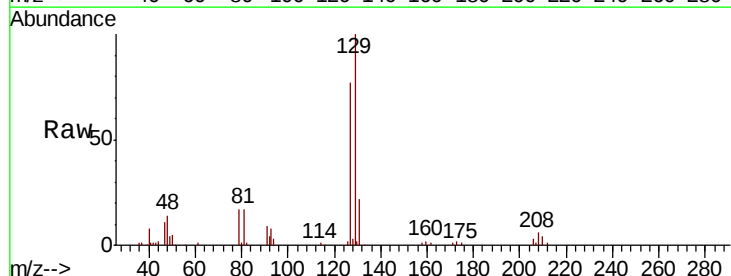
Instrument :
MSVOA_D
ClientSampleId :

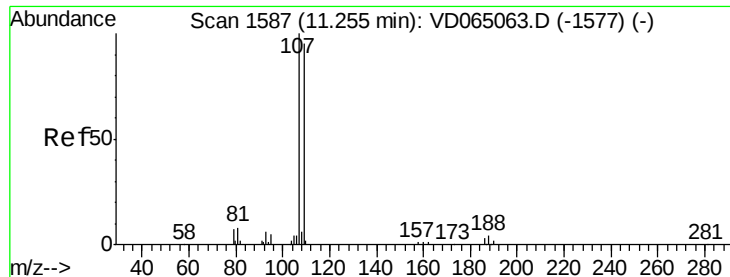
Tot Ion: 43 Resp: 181561
Ion Ratio Lower Upper
43 100
58 50.7 26.2 78.6



#60
Dibromochloromethane
Concen: 21.917 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion: 129 Resp: 85948
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9

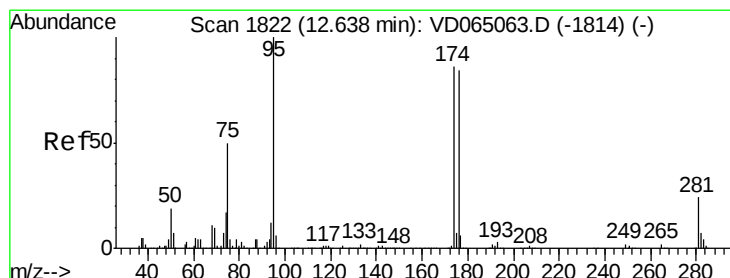
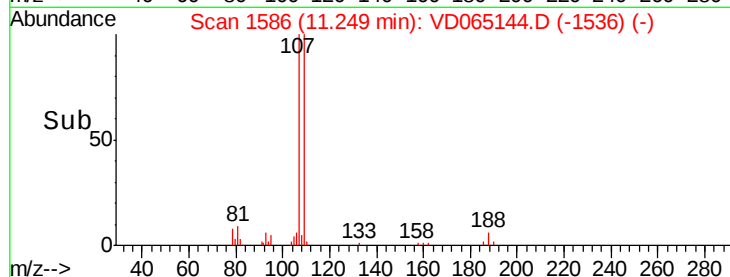
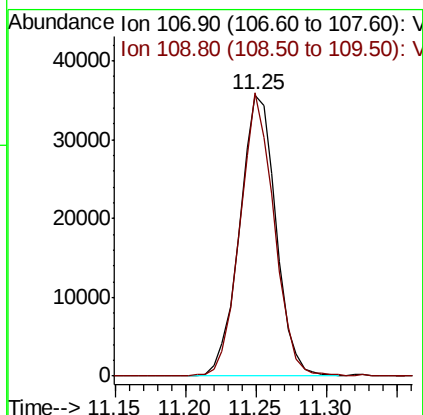
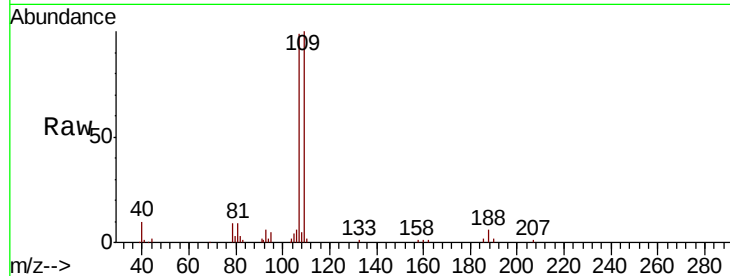




#61
 1,2-Dibromoethane
 Concen: 21.691 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

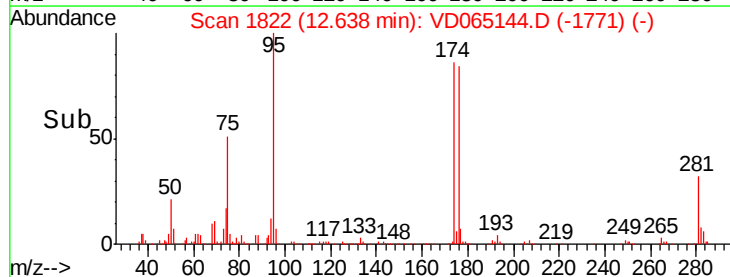
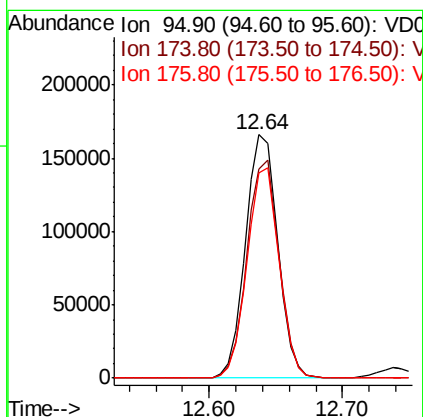
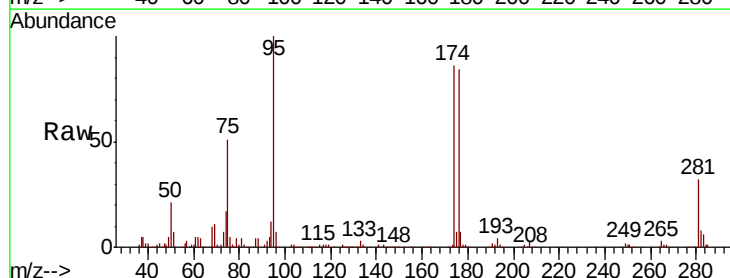
Instrument :
 MSVOA_D
 ClientSampleId :

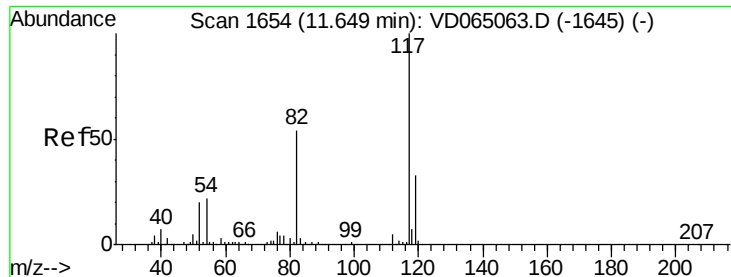
Tot Ion:107 Resp: 64170
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 57.417 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion: 95 Resp: 275671
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 180.0
 176 86.0 0.0 173.2

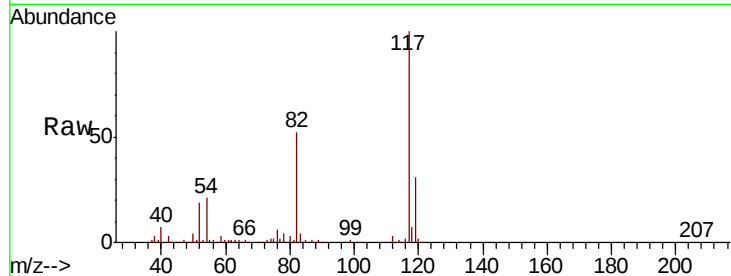




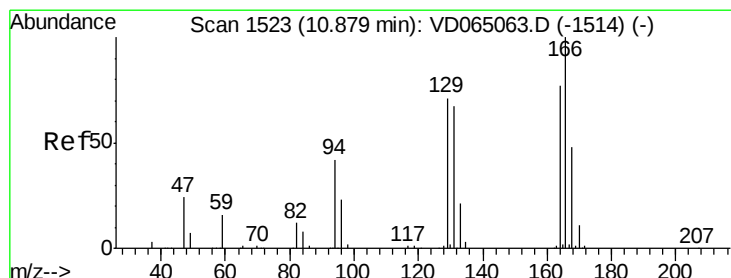
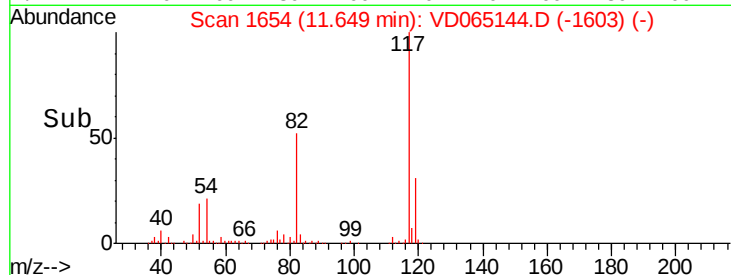
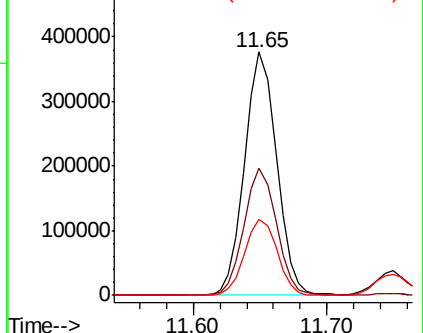
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 626144
Ion Ratio Lower Upper
117 100
82 52.0 43.1 64.7
119 31.1 26.0 39.0

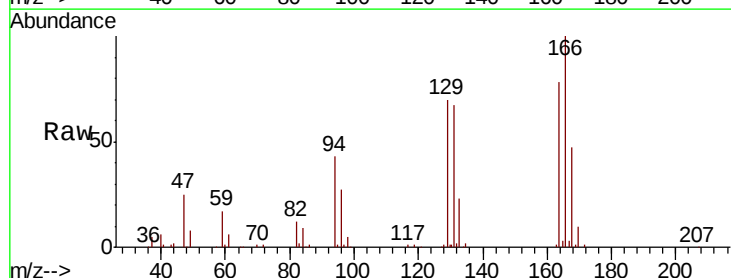


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

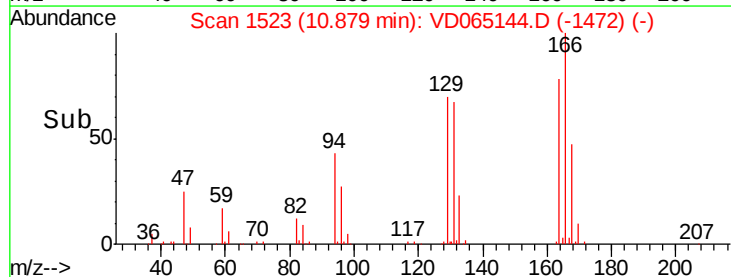
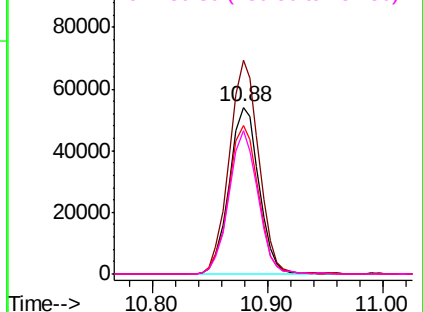


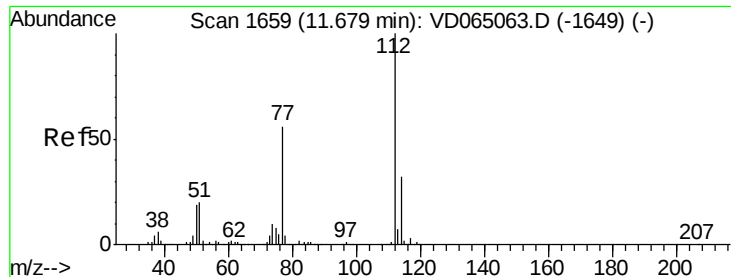
#64
Tetrachloroethene
Concen: 21.434 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion:164 Resp: 96435
Ion Ratio Lower Upper
164 100
166 127.9 103.5 155.3
129 89.2 73.3 109.9
131 85.7 69.8 104.6



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

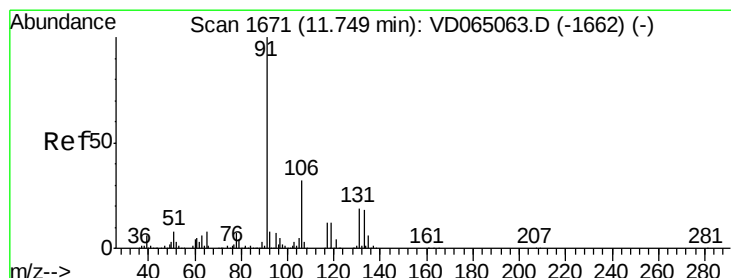
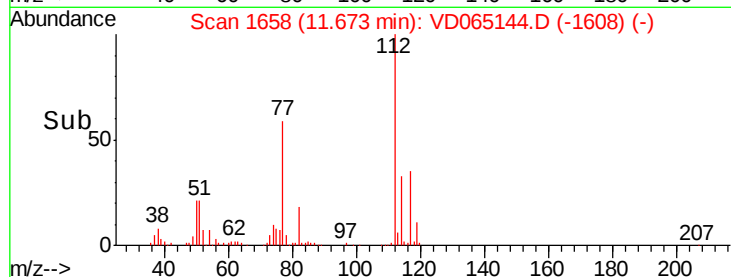
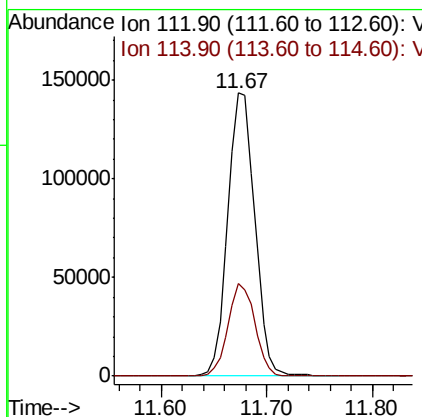
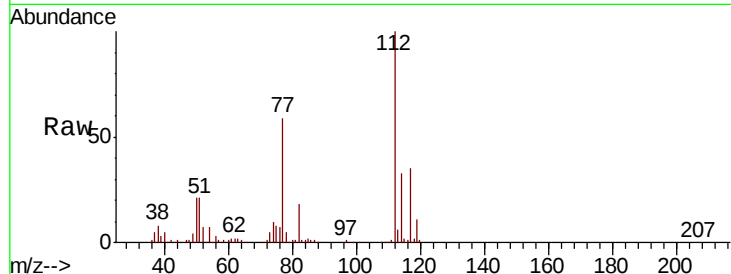




#65
Chlorobenzene
Concen: 20.911 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

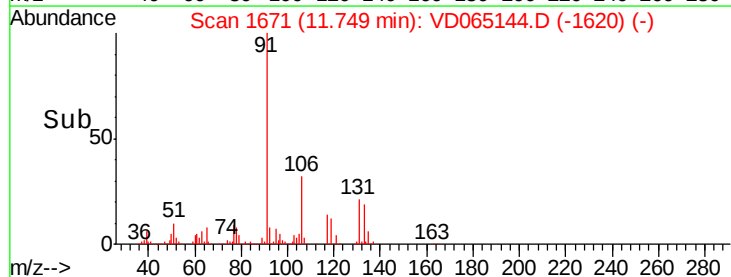
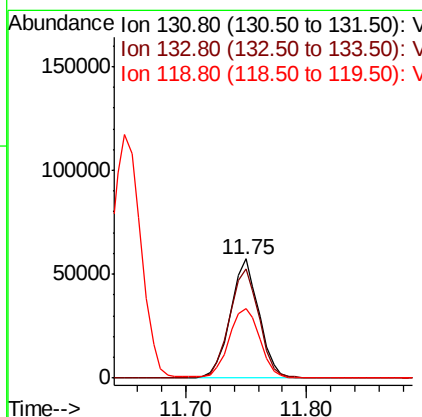
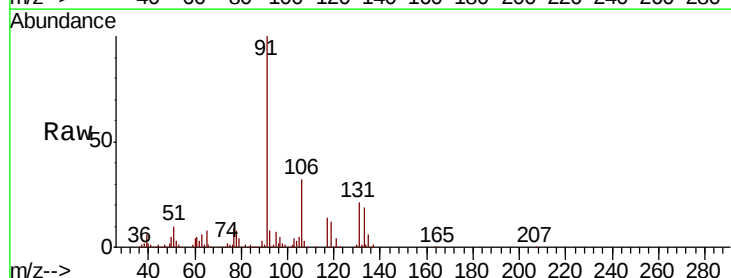
Instrument :
MSVOA_D
ClientSampleID :

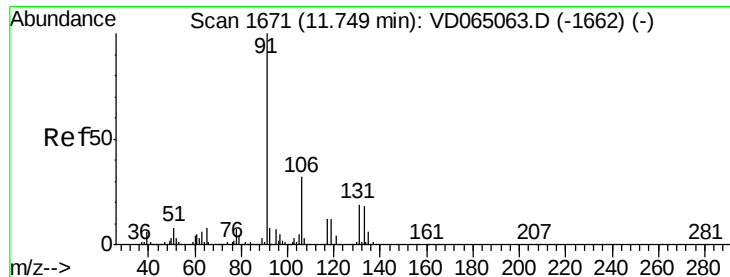
Tot Ion:112 Resp: 253240
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.113 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion:131 Resp: 94372
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 63.2 31.3 93.8





#67

Ethyl Benzene

Concen: 20.437 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

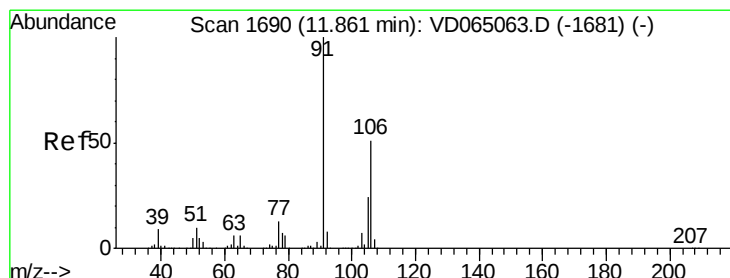
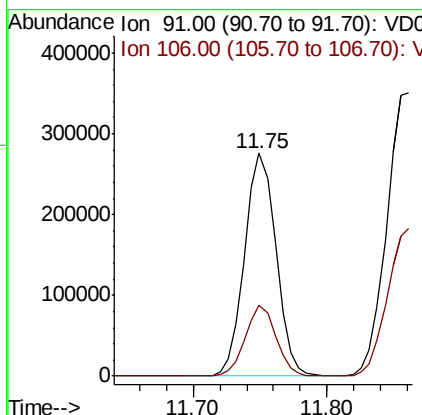
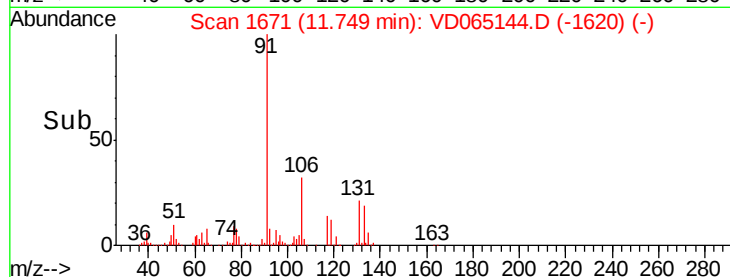
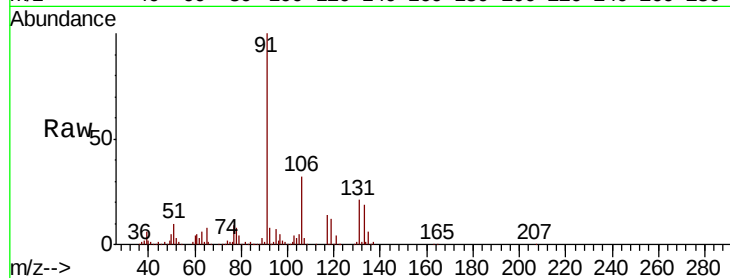
ClientSampleId :

Tot Ion: 91 Resp: 449670

Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.2



#68

m/p-Xylenes

Concen: 41.581 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065144.D

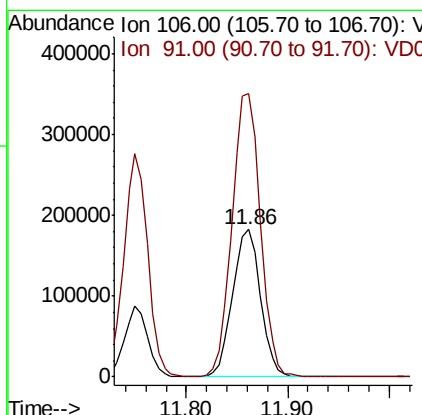
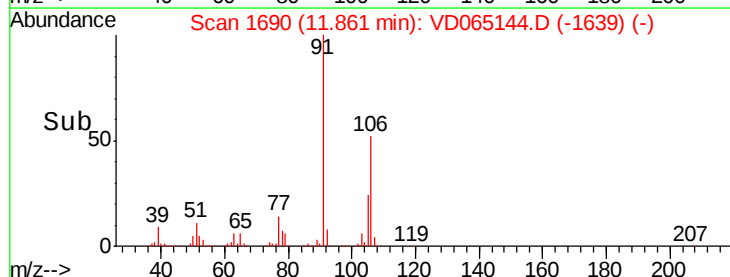
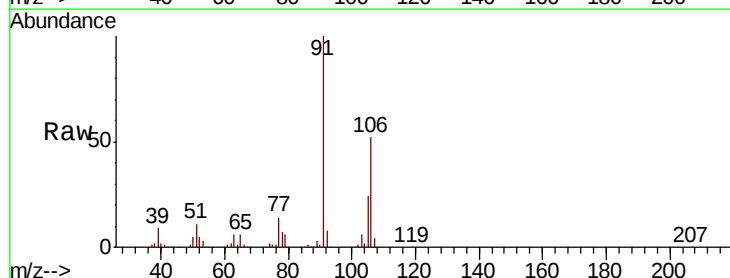
Acq: 11 Feb 2020 12:15

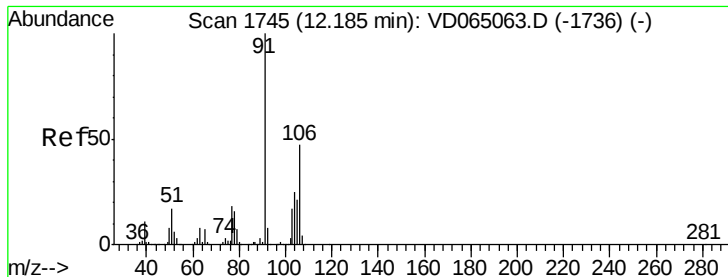
Tgt Ion: 106 Resp: 349193

Ion Ratio Lower Upper

106 100

91 195.2 158.9 238.3

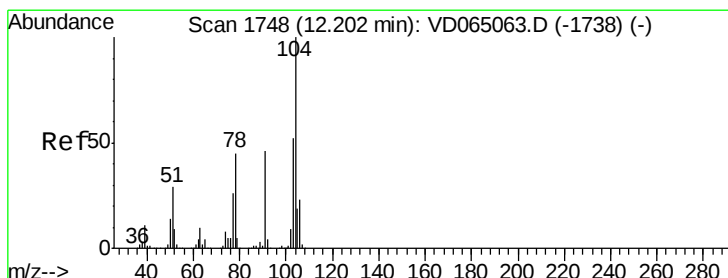
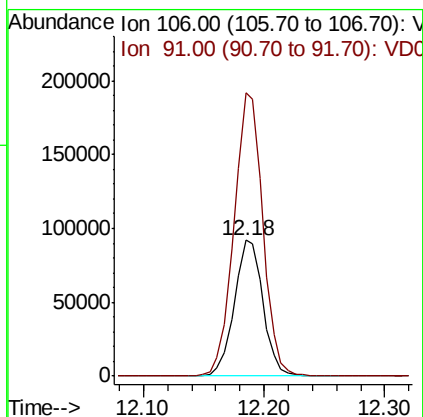
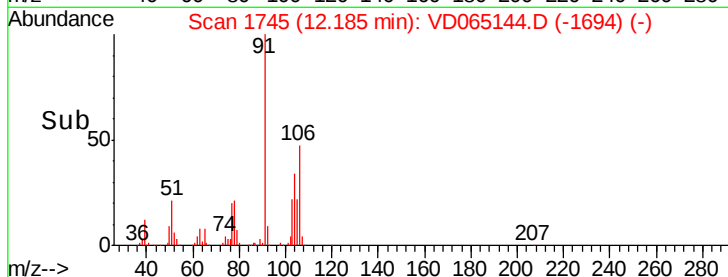
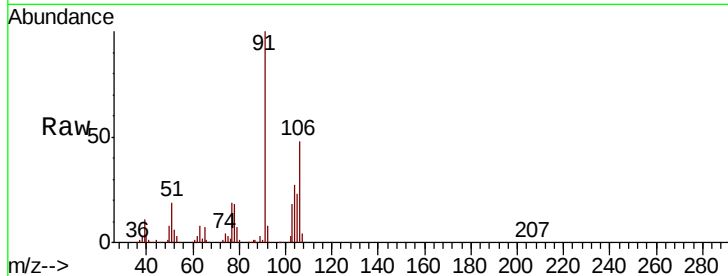




#69
o-Xylene
Concen: 20.127 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

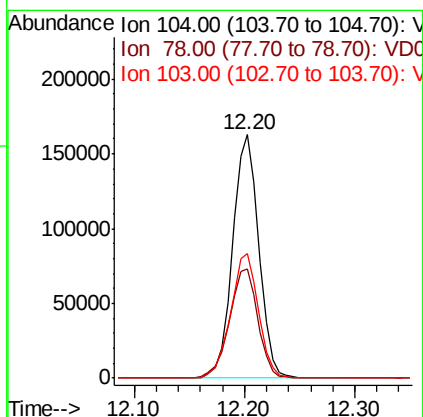
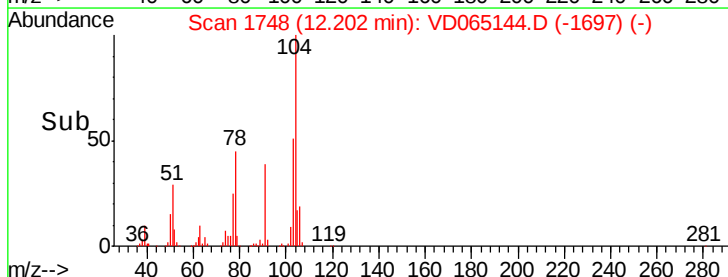
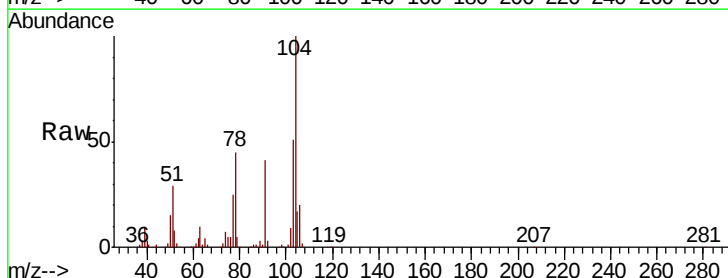
Instrument :
MSVOA_D
ClientSampleId :

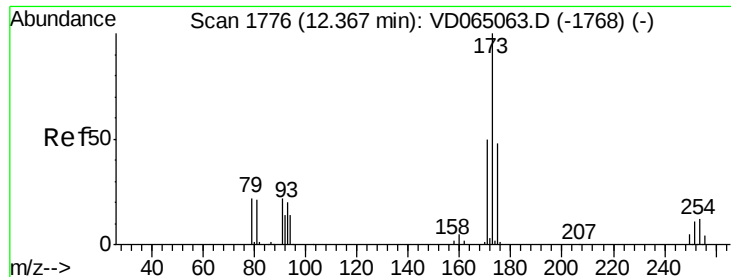
Tot Ion:106 Resp: 152204
Ion Ratio Lower Upper
106 100
91 209.7 104.7 313.9



#70
Styrene
Concen: 20.595 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion:104 Resp: 270695
Ion Ratio Lower Upper
104 100
78 48.5 38.5 57.7
103 54.7 43.8 65.8





#71

Bromoform

Concen: 20.739 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

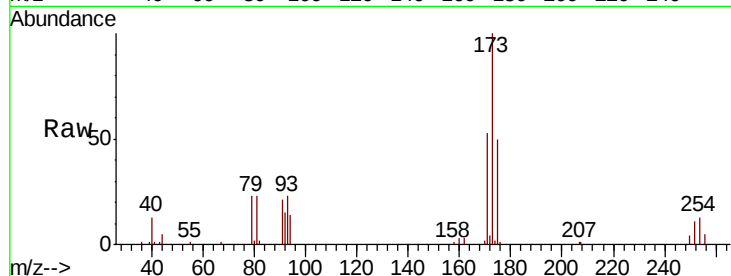
Tot Ion:173 Resp: 49895

Ion Ratio Lower Upper

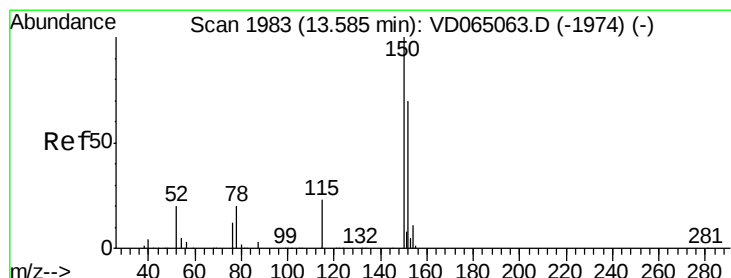
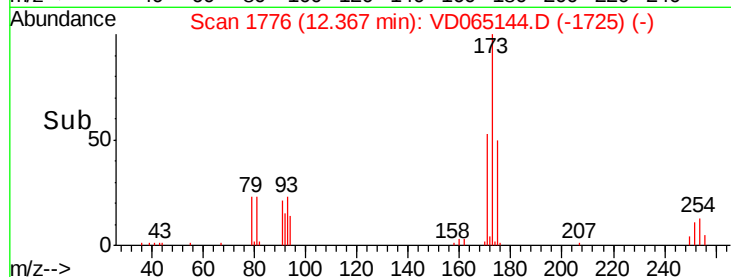
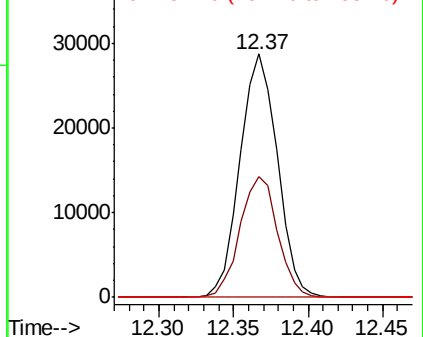
173 100

175 50.0 24.3 72.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

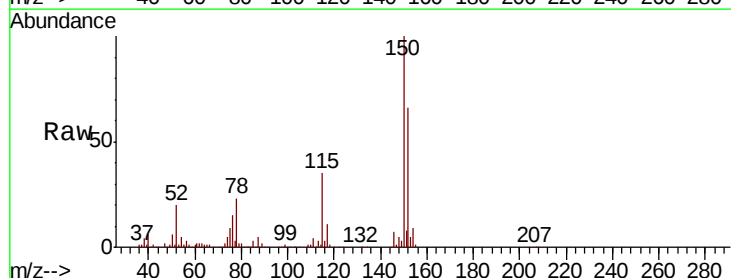
Tgt Ion:152 Resp: 304326

Ion Ratio Lower Upper

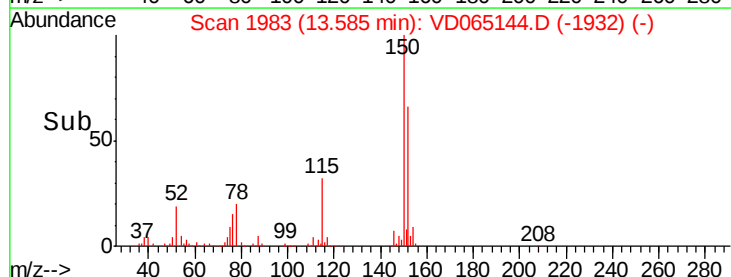
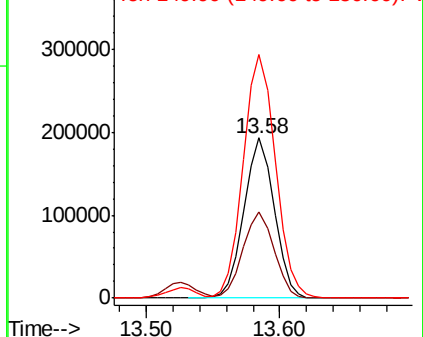
152 100

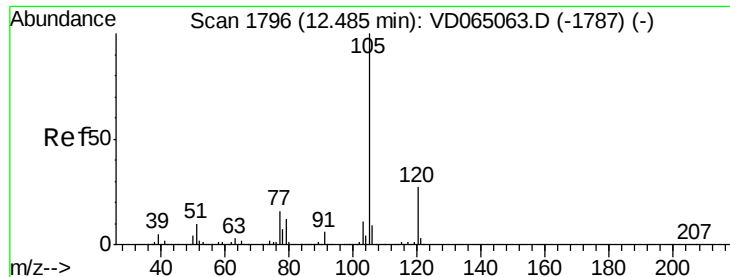
115 55.0 27.5 82.4

150 161.6 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.597 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

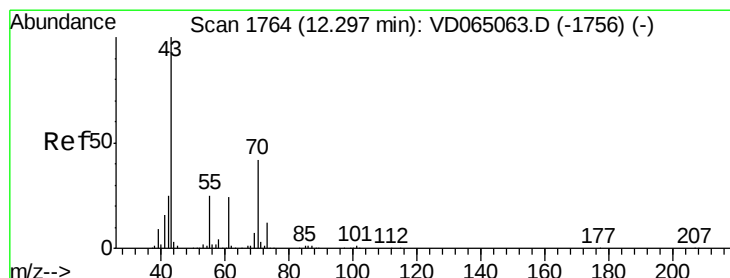
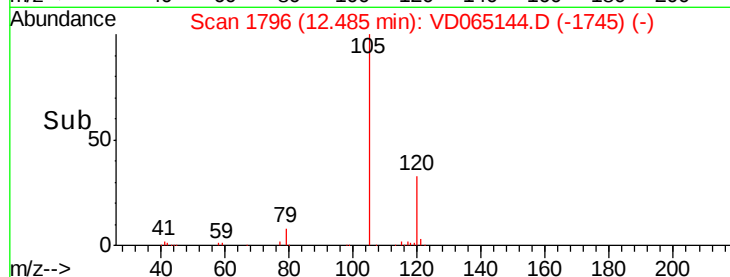
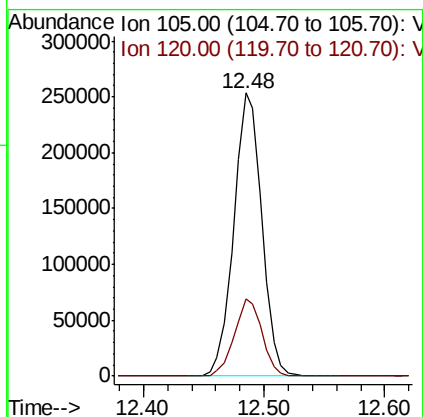
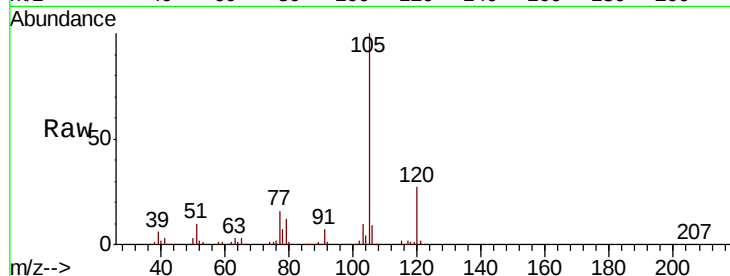
ClientSampled :

Tot Ion:105 Resp: 409330

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



#74

N-ethyl acetate

Concen: 19.144 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion: 43 Resp: 86913

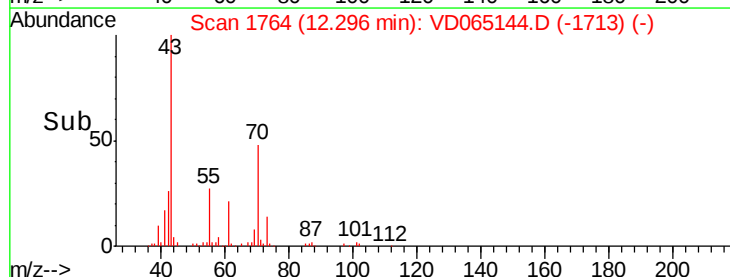
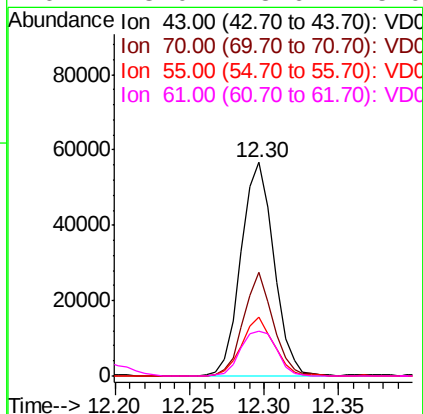
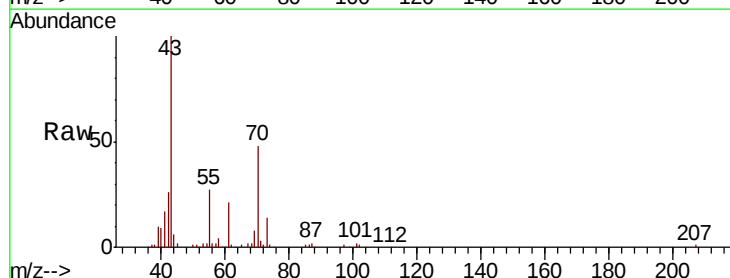
Ion Ratio Lower Upper

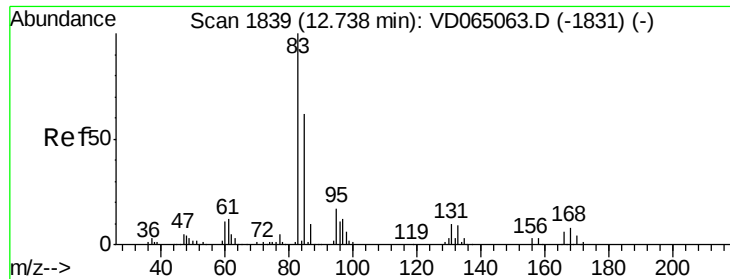
43 100

70 43.8 33.5 50.3

55 26.6 19.4 29.2

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.516 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampled :

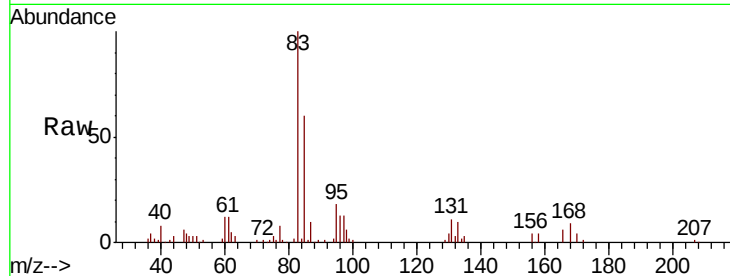
Tot Ion: 83 Resp: 70733

Ion Ratio Lower Upper

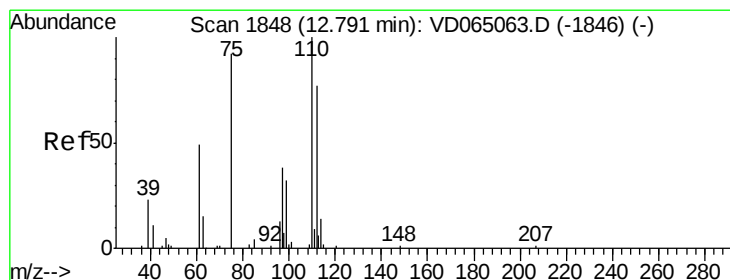
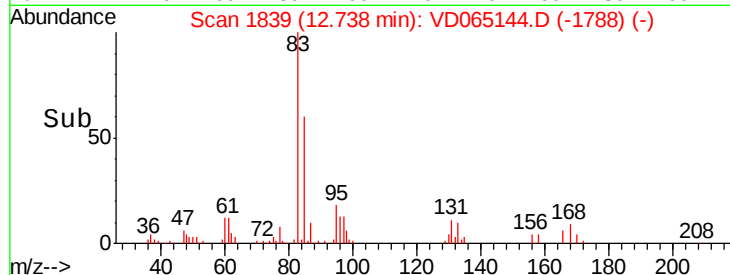
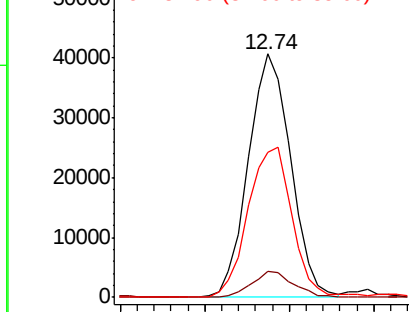
83 100

131 10.9 5.5 16.4

85 64.4 31.8 95.4



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



#76

1,2,3-Trichloropropane

Concen: 40.696 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065144.D

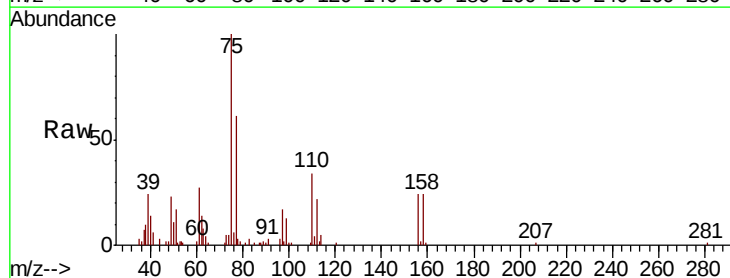
Acq: 11 Feb 2020 12:15

Tgt Ion: 75 Resp: 93767

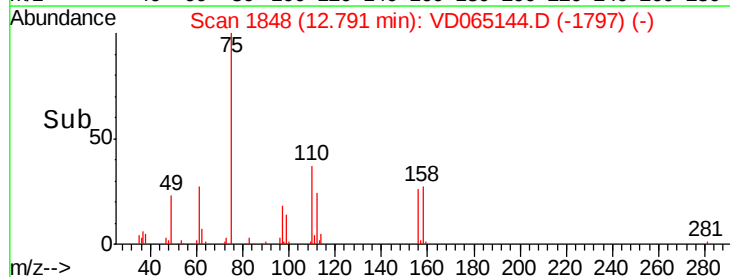
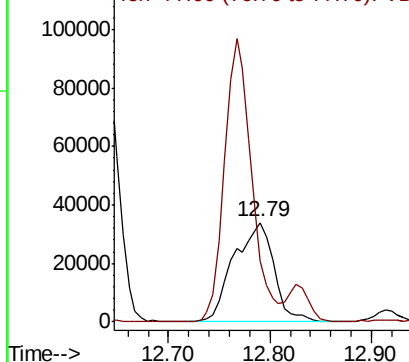
Ion Ratio Lower Upper

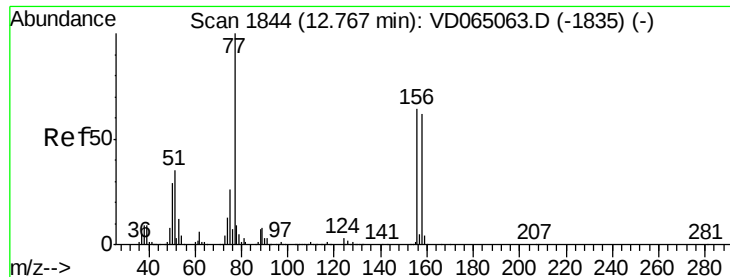
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.246 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

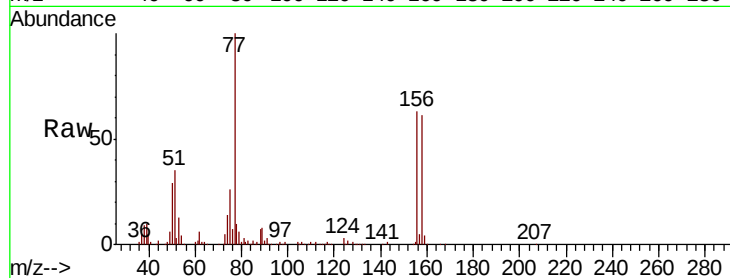
Tot Ion:156 Resp: 101890

Ion Ratio Lower Upper

156 100

77 176.6 85.6 256.8

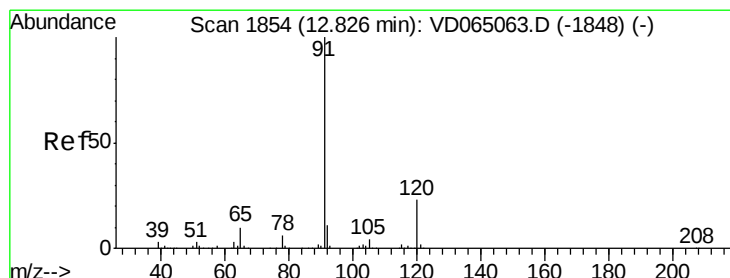
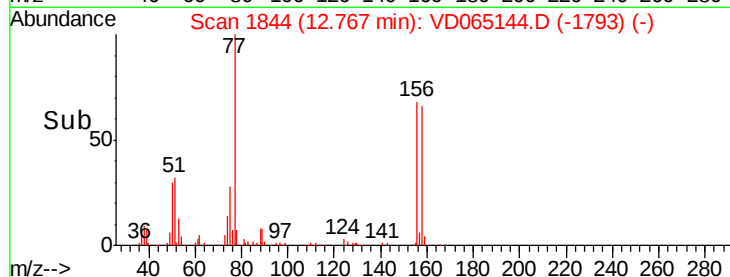
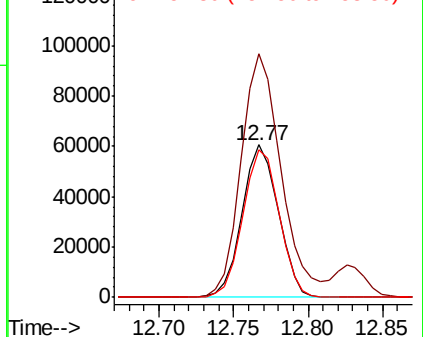
158 97.6 47.4 142.2



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: 20.512 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065144.D

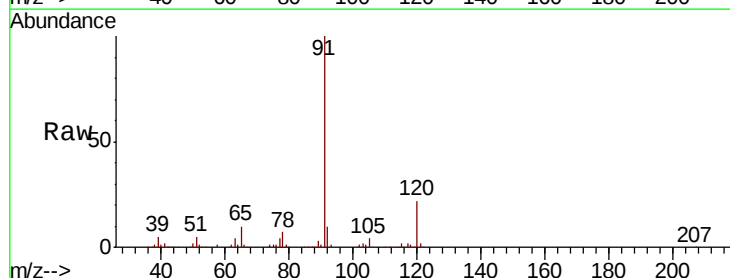
Acq: 11 Feb 2020 12:15

Tgt Ion: 91 Resp: 501749

Ion Ratio Lower Upper

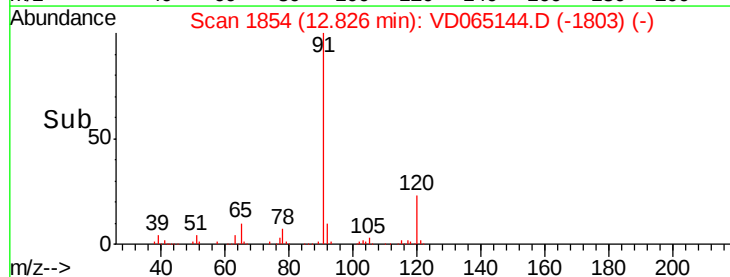
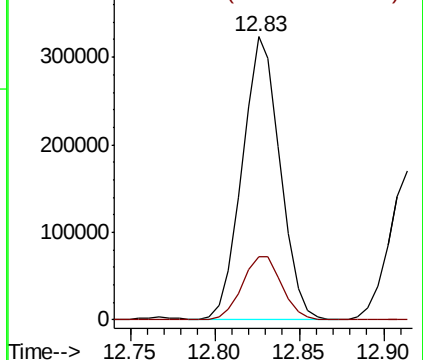
91 100

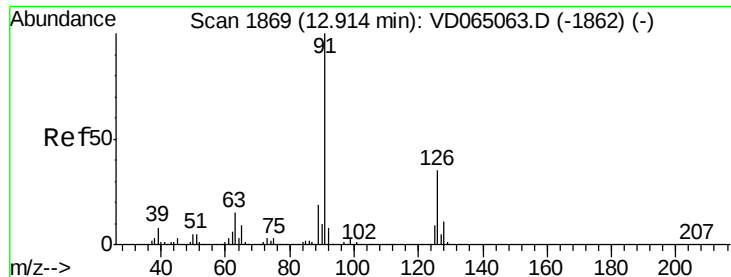
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

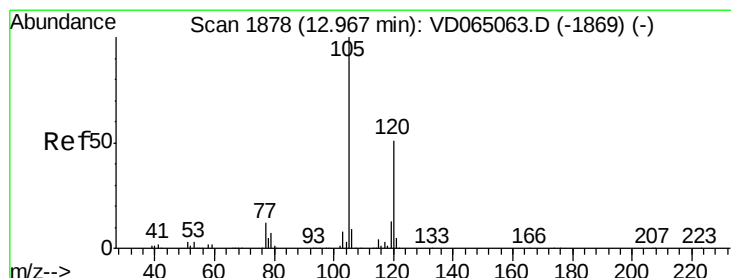
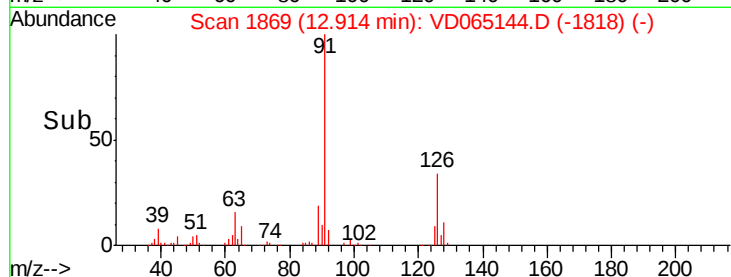
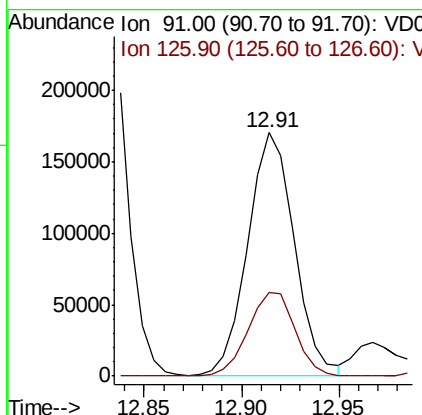
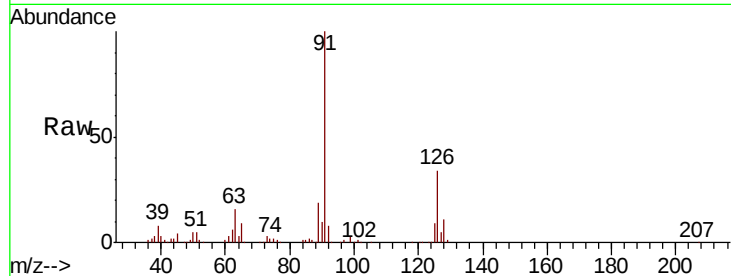




#79
 2-Chlorotoluene
 Concen: 20.598 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

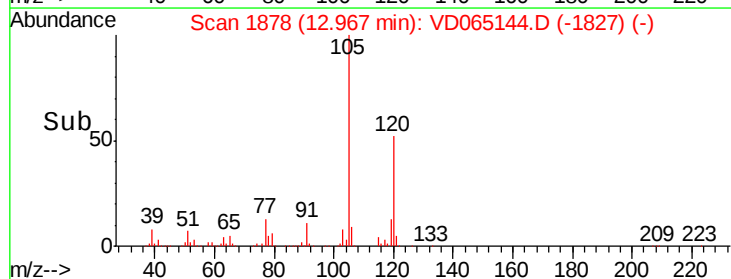
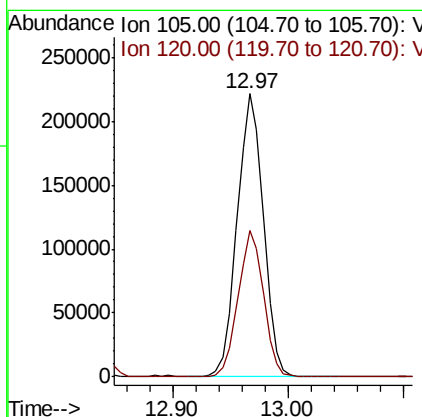
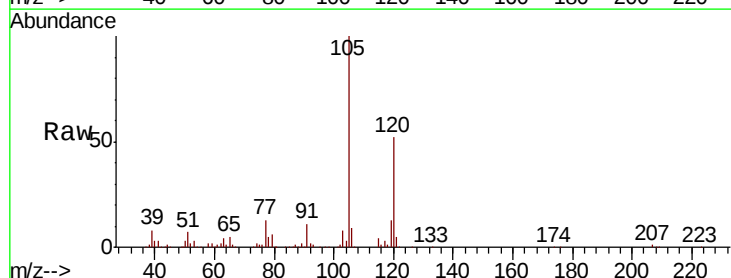
Instrument :
 MSVOA_D
 ClientSampleID :

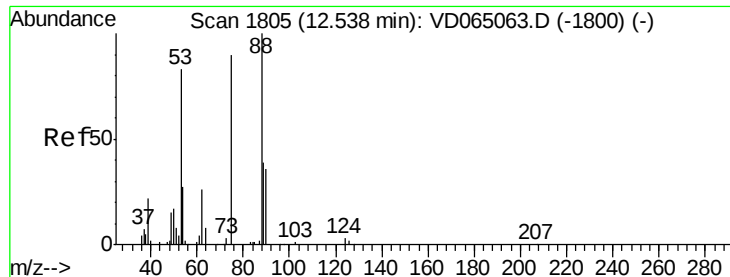
Tot Ion: 91 Resp: 280857
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.327 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion: 105 Resp: 347361
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.584 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

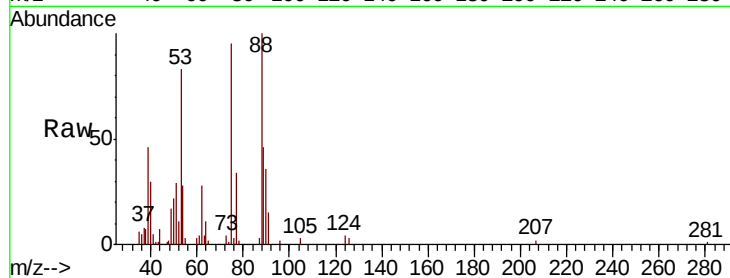
Tot Ion: 75 Resp: 22562

Ion Ratio Lower Upper

75 100

53 99.6 78.5 117.7

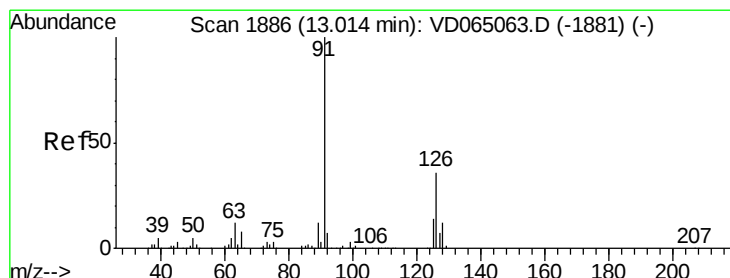
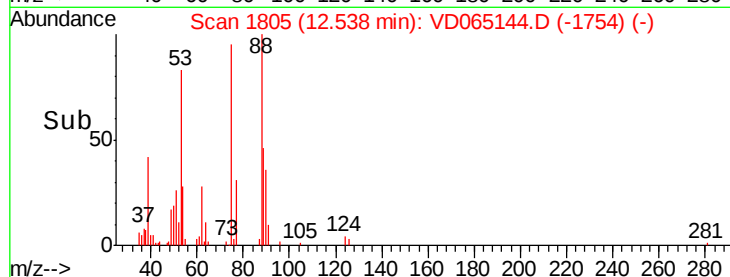
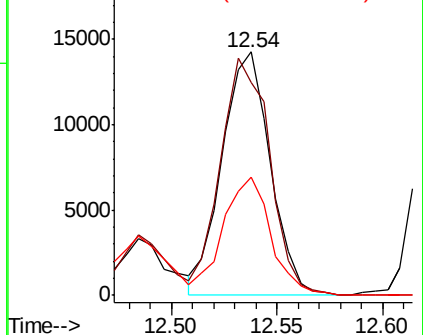
89 48.4 37.0 55.4



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: 20.761 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065144.D

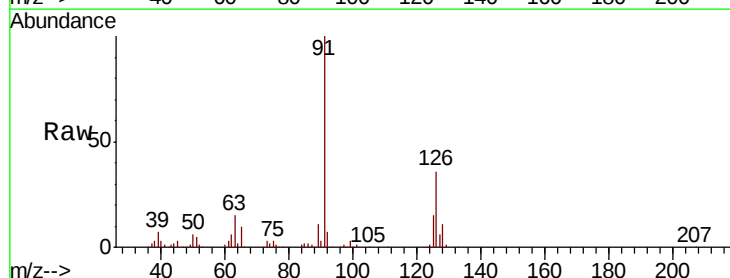
Acq: 11 Feb 2020 12:15

Tgt Ion: 91 Resp: 297306

Ion Ratio Lower Upper

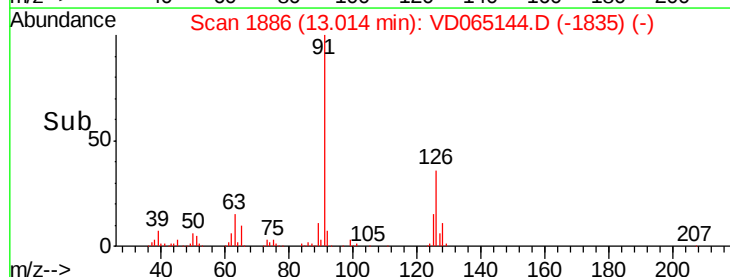
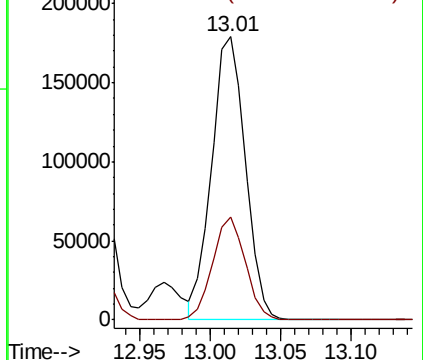
91 100

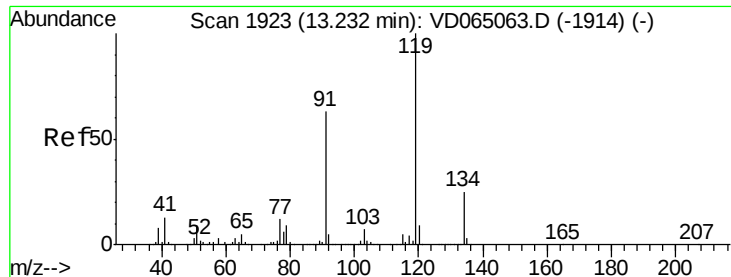
126 35.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

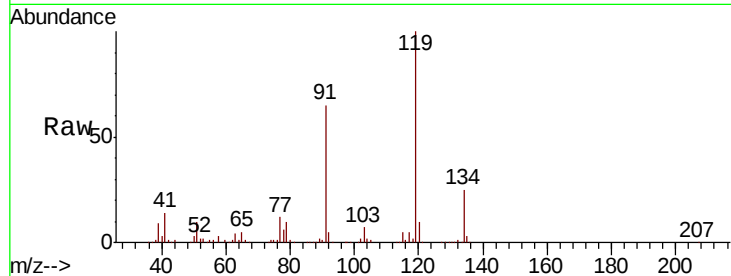




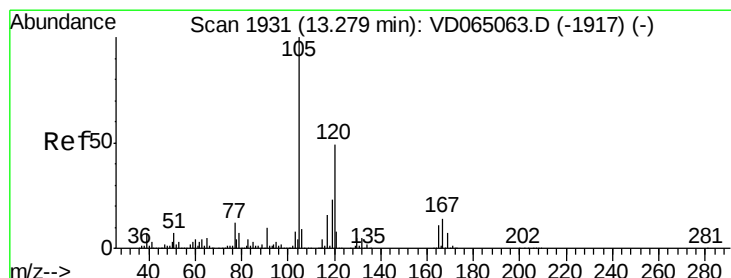
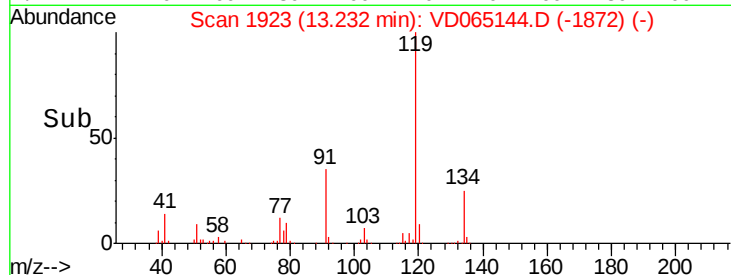
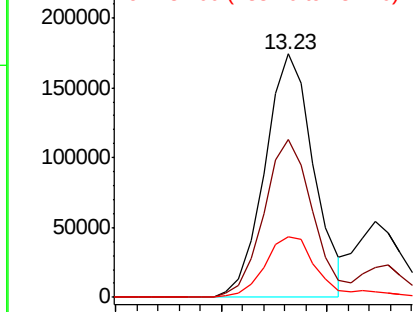
#83
tert-Butylbenzene
Concen: 19.031 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:119 Resp: 280567
Ion Ratio Lower Upper
119 100
91 65.2 32.3 96.9
134 27.8 13.8 41.3

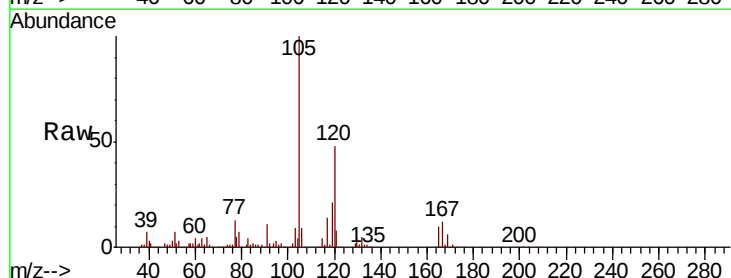


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

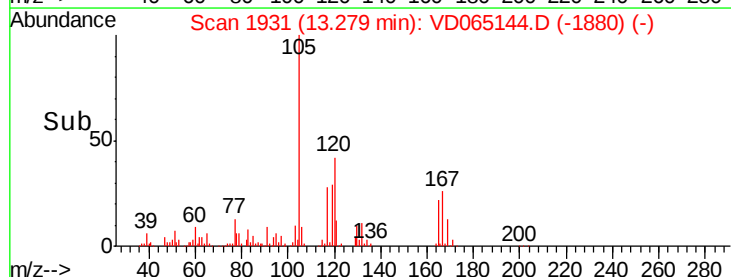
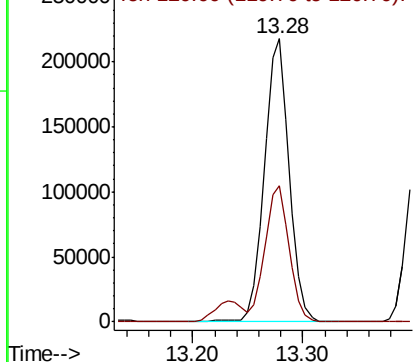


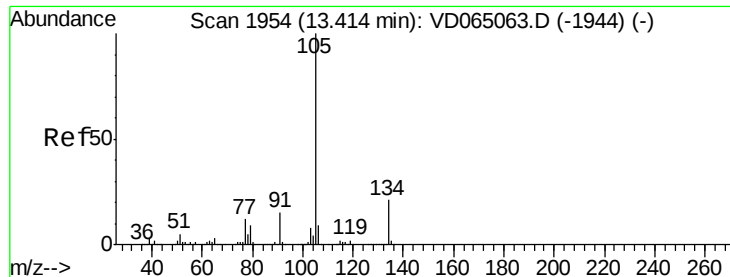
#84
1,2,4-Trimethylbenzene
Concen: 20.136 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion:105 Resp: 341614
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.046 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

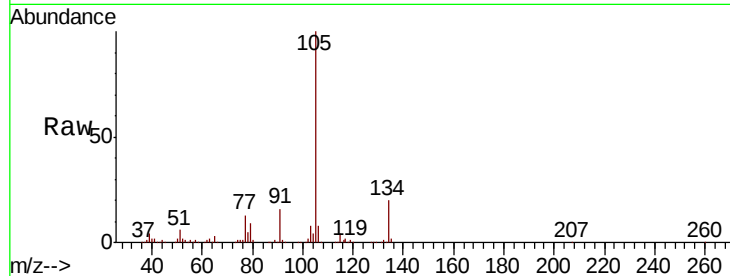
ClientSampleId :

Tot Ion:105 Resp: 403631

Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

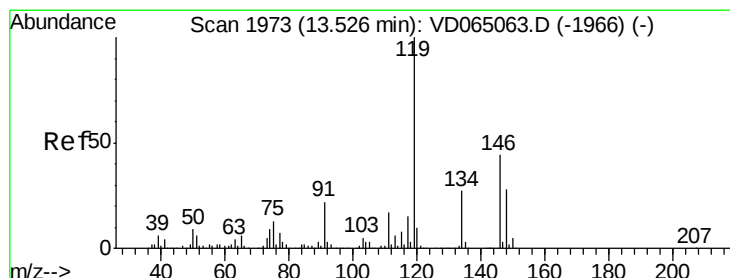
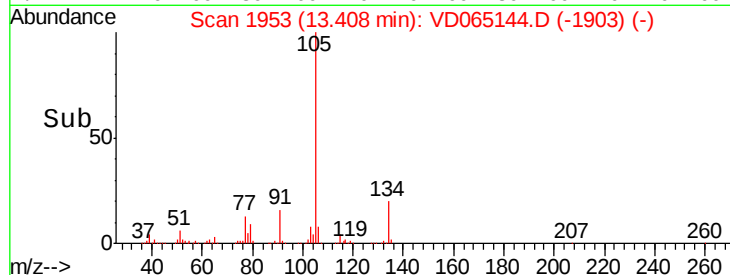
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.938 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

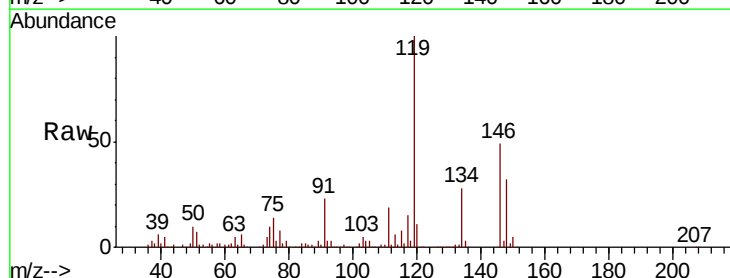
Tgt Ion:119 Resp: 373018

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 23.1 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

300000

250000

200000

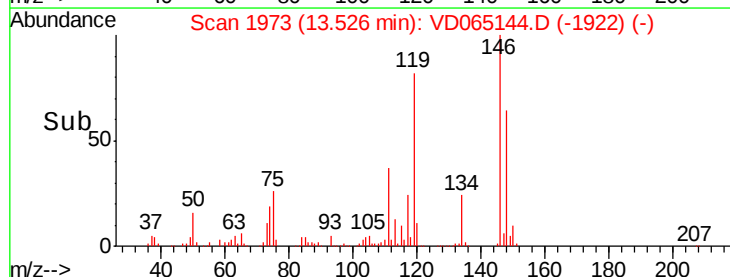
150000

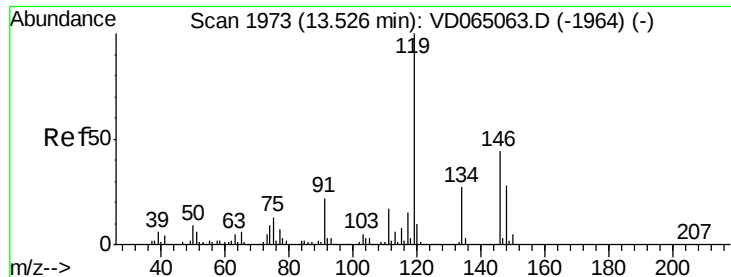
100000

50000

0

Time-->

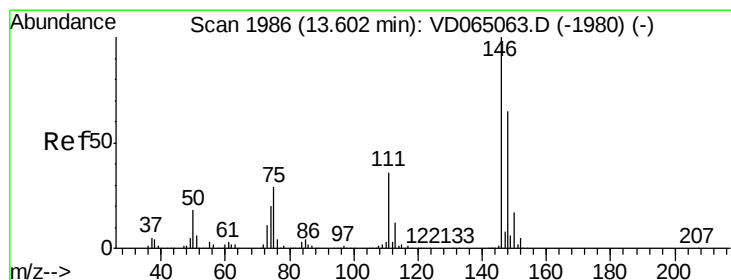
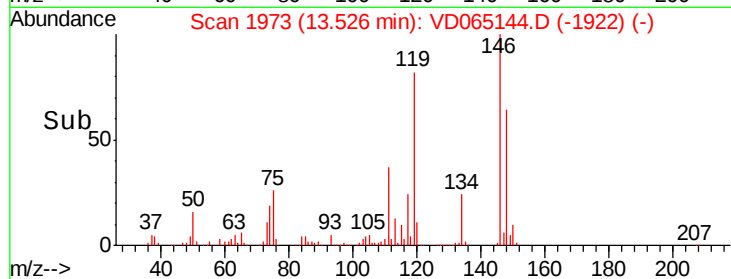
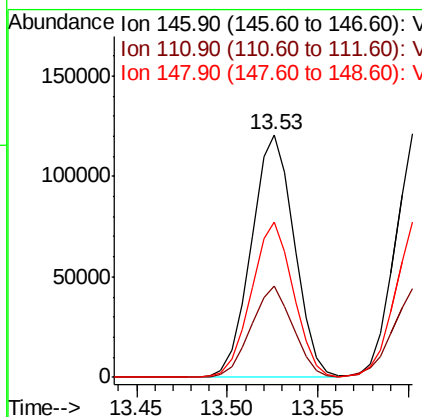
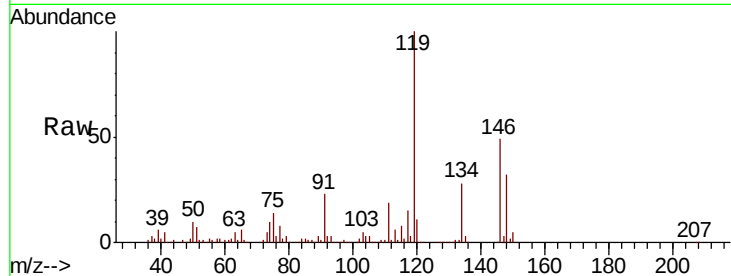




#87
 1,3-Dichlorobenzene
 Concen: 21.062 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

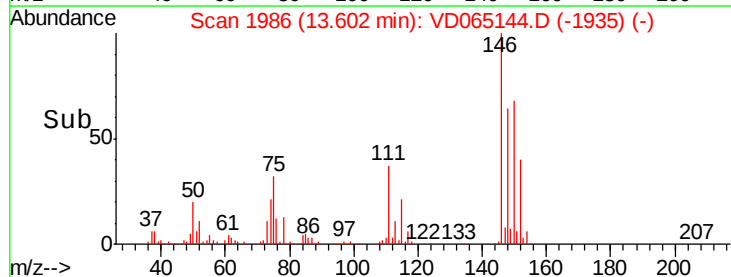
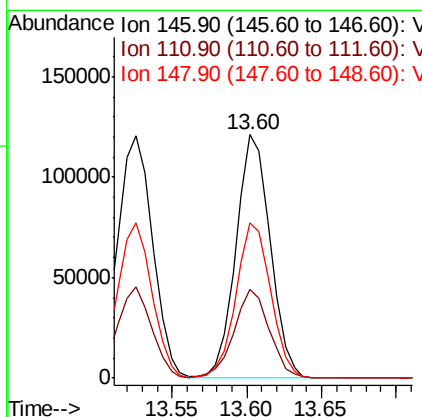
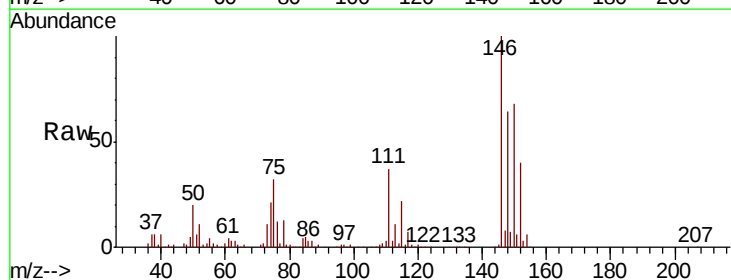
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 198454
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.4 58.4
 148 62.8 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.666 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion:146 Resp: 193812
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.5 55.5
 148 64.5 32.7 98.1

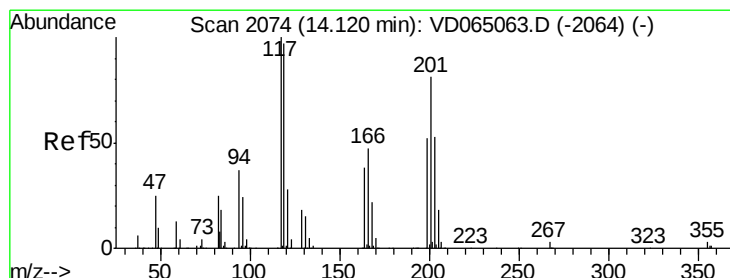
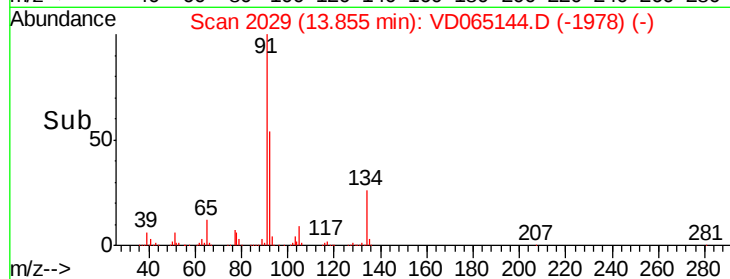
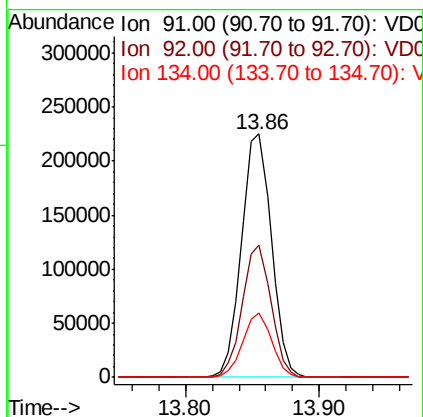
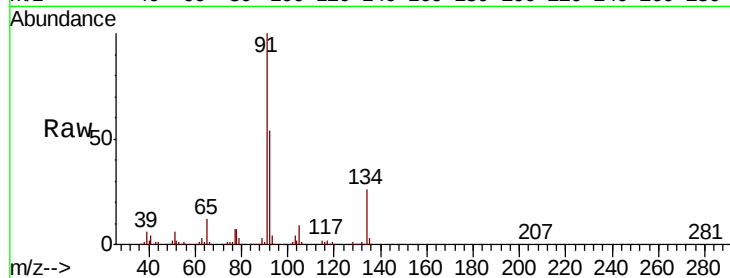




#89
n-Butylbenzene
Concen: 20.158 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

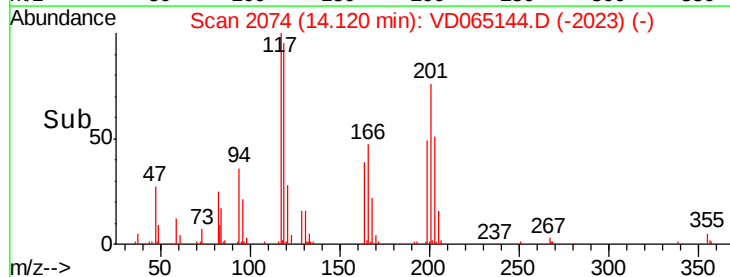
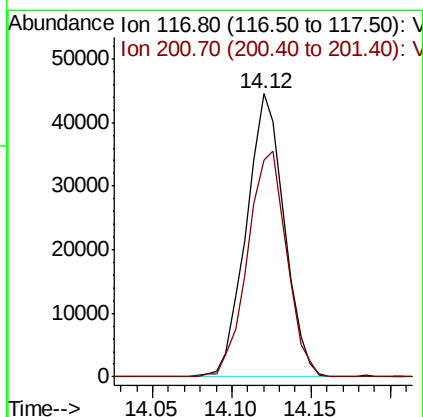
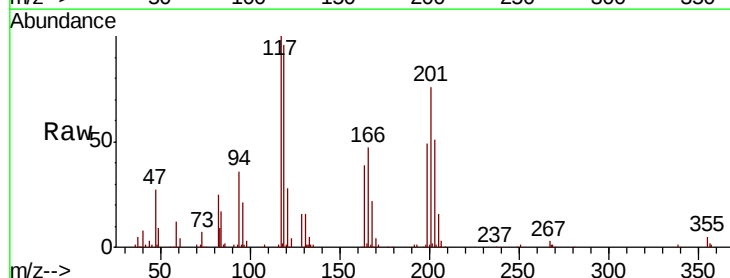
Instrument :
MSVOA_D
ClientSampleID :

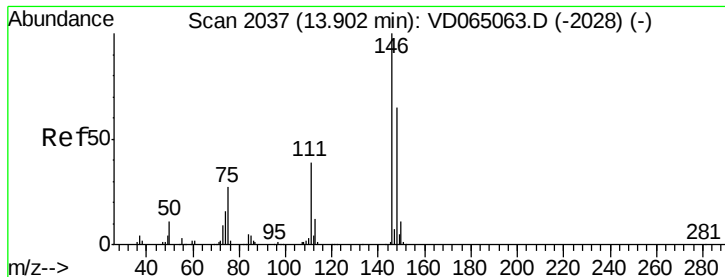
Tot Ion: 91 Resp: 348089
Ion Ratio Lower Upper
91 100
92 52.3 26.7 80.1
134 25.6 13.4 40.2



#90
Hexachloroethane
Concen: 20.907 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion: 117 Resp: 74066
Ion Ratio Lower Upper
117 100
201 82.3 42.5 127.6

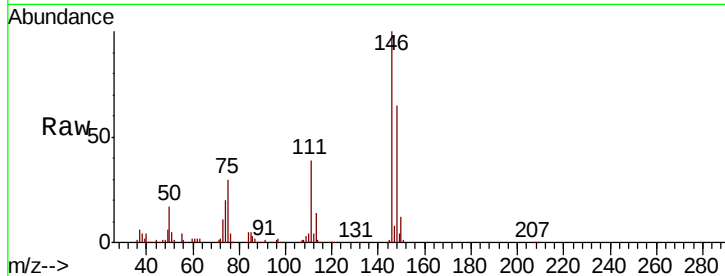




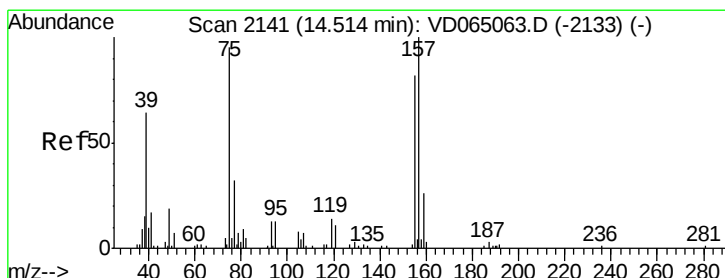
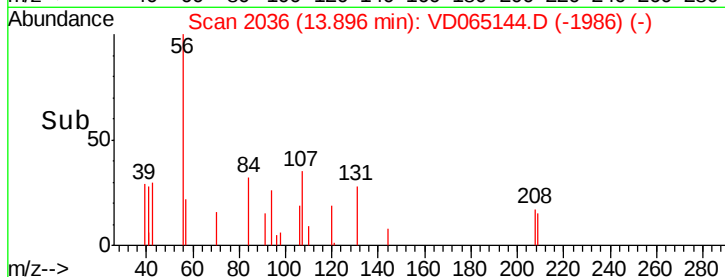
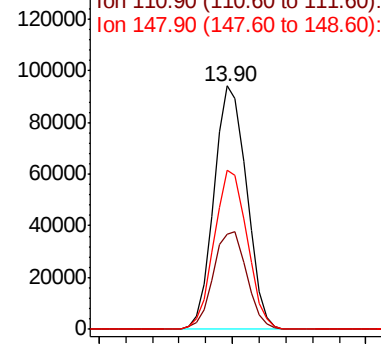
#91
 1,2-Dichlorobenzene
 Concen: 19.775 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.7	59.1
148	66.2	31.9	95.5

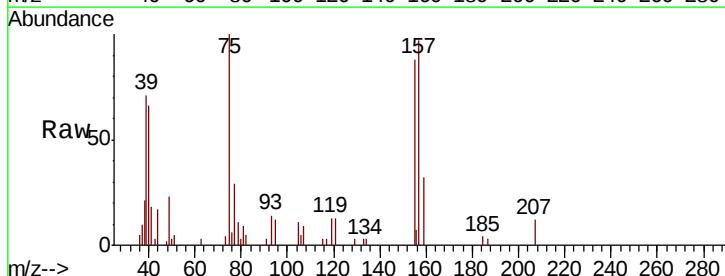


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

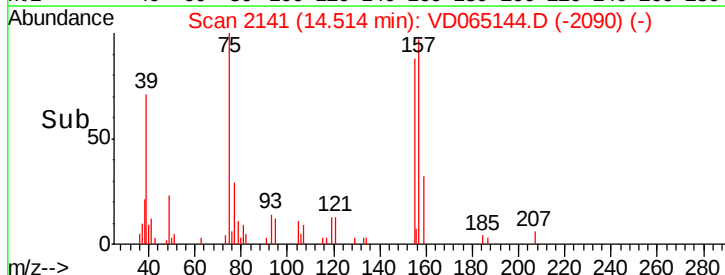
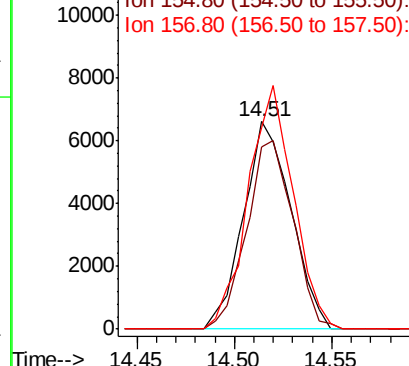


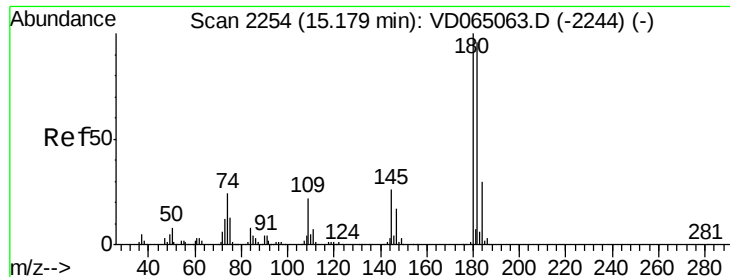
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.805 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	43.4	130.1
157	111.4	55.8	167.3



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

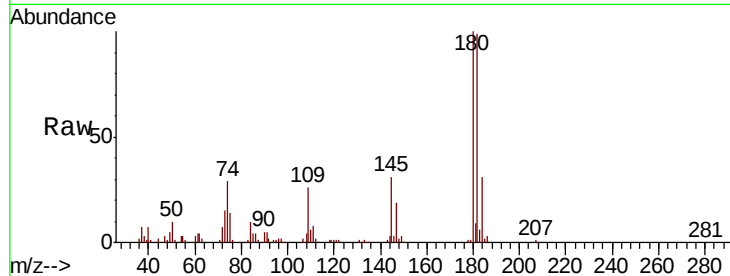




#93
 1,2,4-Trichlorobenzene
 Concen: 19.196 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	28.7	14.1	42.4

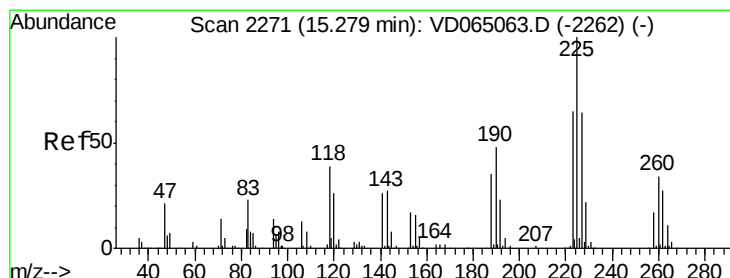
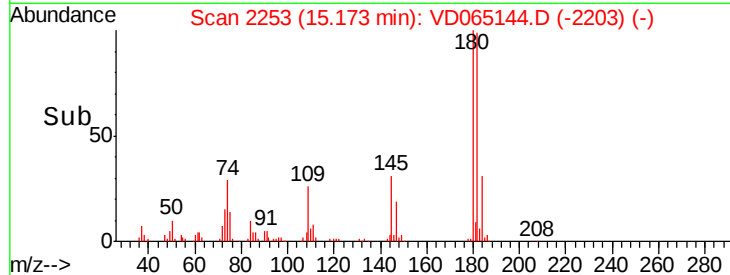
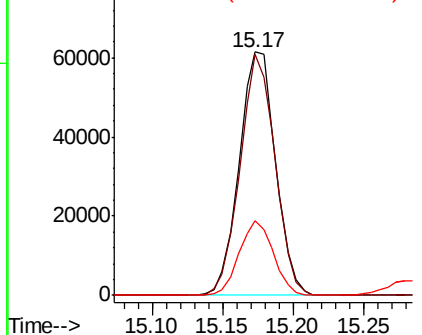


Abundance

Ion 179.80 (179.50 to 180.50): V

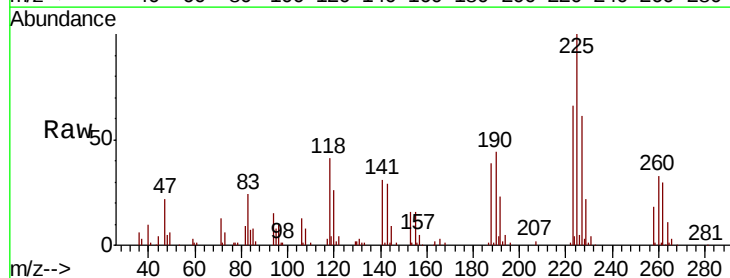
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.900 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	63.4	31.8	95.3

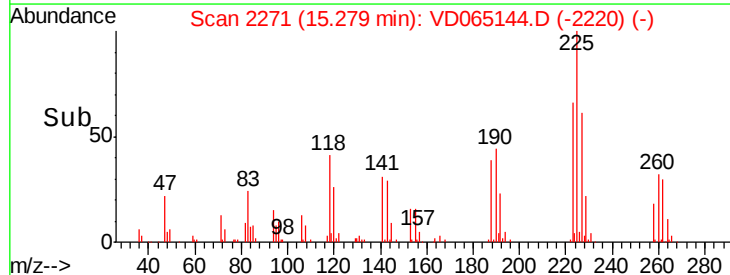
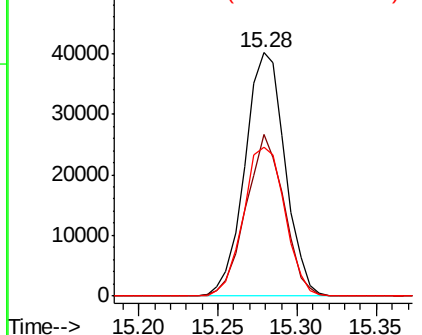


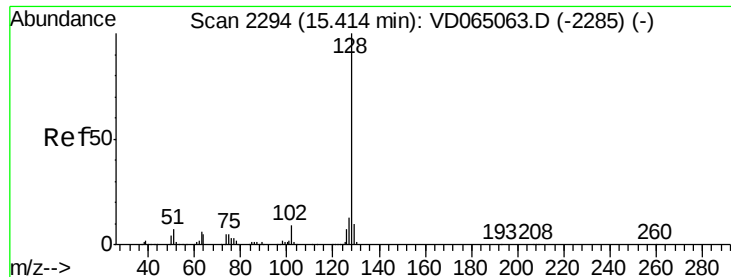
Abundance

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

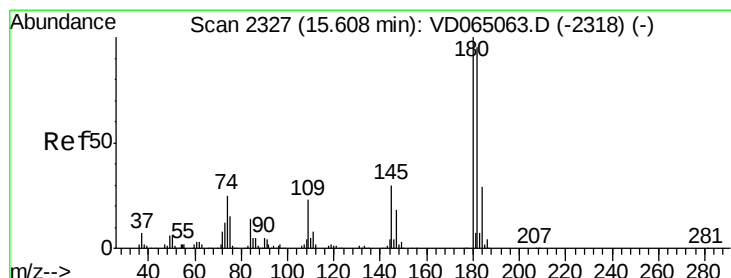
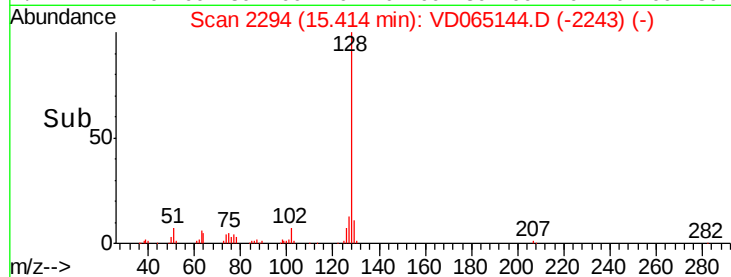
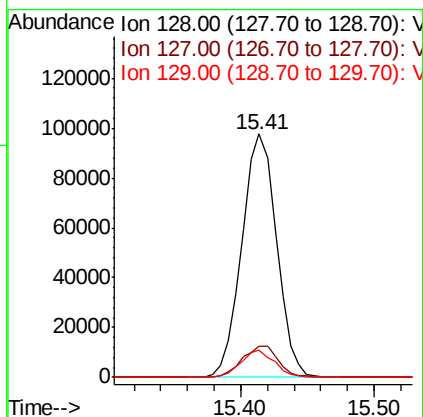
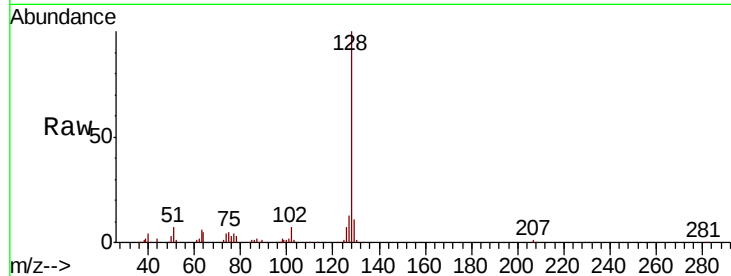




#95
Naphthalene
Concen: 18.348 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 175915
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.316 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion:180 Resp: 95308
Ion Ratio Lower Upper
180 100
182 97.6 47.1 141.4
145 30.7 14.9 44.9

