

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065155.D
 Acq On : 11 Feb 2020 20:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:59:57 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	469835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	230676	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
35) Dibromofluoromethane	7.92	113	226909	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
50) Toluene-d8	10.34	98	850857	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.64	95	279317	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	193402	49.466	ug/l	99
3) Chloromethane	2.21	50	259566	56.397	ug/l	95
4) Vinyl Chloride	2.35	62	258874	53.185	ug/l	98
5) Bromomethane	2.77	94	156745	49.665	ug/l	98
6) Chloroethane	2.92	64	163960	54.304	ug/l	99
7) Trichlorofluoromethane	3.27	101	374803	52.912	ug/l	98
8) Diethyl Ether	3.70	74	118268	58.159	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222757	51.441	ug/l	99
10) Methyl Iodide	4.29	142	261360	52.879	ug/l	98
11) Tert butyl alcohol	5.26	59	68531	280.889	ug/l	99
12) 1,1-Dichloroethene	4.06	96	214979	51.836	ug/l	99
13) Acrolein	3.93	56	77877	259.514	ug/l	97
14) Allyl chloride	4.71	41	377591	54.781	ug/l	99
15) Acrylonitrile	5.43	53	269609	303.259	ug/l	99
16) Acetone	4.17	43	219399	219.758	ug/l	98
17) Carbon Disulfide	4.40	76	700626	52.615	ug/l	98
18) Methyl Acetate	4.73	43	123818	59.360	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	542792	59.185	ug/l	97
20) Methylene Chloride	4.96	84	260377	60.020	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	255734	54.502	ug/l	98
22) Diisopropyl ether	6.37	45	779548	59.959	ug/l	98
23) Vinyl Acetate	6.31	43	2253800	311.009	ug/l	99
24) 1,1-Dichloroethane	6.27	63	454503	57.755	ug/l	98
25) 2-Butanone	7.22	43	338570	284.296	ug/l	96
26) 2,2-Dichloropropane	7.21	77	363301	51.505	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	287487	57.672	ug/l	97
28) Bromochloromethane	7.55	49	179954	60.324	ug/l	99
29) Tetrahydrofuran	7.57	42	222225	308.567	ug/l	99
30) Chloroform	7.71	83	460436	58.761	ug/l	99
31) Cyclohexane	7.98	56	390580	49.168	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	403119	55.228	ug/l	99
36) 1,1-Dichloropropene	8.11	75	351275	52.414	ug/l	100
37) Ethyl Acetate	7.30	43	156802	57.269	ug/l	98
38) Carbon Tetrachloride	8.10	117	360790	52.709	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	410723	49.650	ug/l	98
40) Benzene	8.36	78	1022806	55.265	ug/l	98
41) Methacrylonitrile	7.54	41	100748	66.791	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	296781	56.279	ug/l	99
43) Isopropyl Acetate	8.46	43	299356	57.156	ug/l	98
44) Trichloroethene	9.11	130	279454	52.606	ug/l	96
45) 1,2-Dichloropropane	9.39	63	257928	58.127	ug/l	97
46) Dibromomethane	9.48	93	137606	59.015	ug/l	99
47) Bromodichloromethane	9.67	83	364645	59.352	ug/l	97
48) Methyl methacrylate	9.46	41	144319	57.262	ug/l	98
49) 1,4-Dioxane	9.47	88	33138	1199.899	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	773966	300.217	ug/l	99
52) Toluene	10.41	92	659848	55.862	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	344886	57.656	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	410190	57.335	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	188925	59.071	ug/l	97
56) Ethyl methacrylate	10.67	69	242212	59.854	ug/l	98
57) 1,3-Dichloropropane	10.95	76	326781	58.106	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	329768	252.399	ug/l	99
59) 2-Hexanone	10.99	43	517711	283.511	ug/l	98
60) Dibromochloromethane	11.14	129	247827	59.825	ug/l	99
61) 1,2-Dibromoethane	11.25	107	183276	58.647	ug/l	99
64) Tetrachloroethene	10.88	164	237135	50.221	ug/l	99
65) Chlorobenzene	11.68	112	692490	54.484	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	266420	56.795	ug/l	99
67) Ethyl Benzene	11.75	91	1249248	54.100	ug/l	97
68) m/p-Xylenes	11.86	106	956646	108.545	ug/l	100
69) o-Xylene	12.18	106	434575	54.756	ug/l	98
70) Styrene	12.20	104	789517	57.237	ug/l	99
71) Bromoform	12.37	173	145561	57.650	ug/l #	100
73) Isopropylbenzene	12.48	105	1142055	51.697	ug/l	100
74) N-amyl acetate	12.30	43	275430	57.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	197749	56.876	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	261705	107.396	ug/l #	100
77) Bromobenzene	12.77	156	285157	53.575	ug/l	98
78) n-propylbenzene	12.83	91	1356847	52.447	ug/l	99
79) 2-Chlorotoluene	12.91	91	764962	53.046	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	956680	52.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	66055	54.212	ug/l	100
82) 4-Chlorotoluene	13.01	91	807126	53.292	ug/l	100
83) tert-Butylbenzene	13.23	119	787315	50.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	970906	54.112	ug/l	98
85) sec-Butylbenzene	13.41	105	1103782	51.831	ug/l	100
86) p-Isopropyltoluene	13.53	119	1042033	52.664	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	539296	54.117	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	530455	53.481	ug/l	99
89) n-Butylbenzene	13.86	91	939180	51.426	ug/l	100
90) Hexachloroethane	14.12	117	200159	53.422	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	469272	54.977	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	31193	54.959	ug/l	95

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

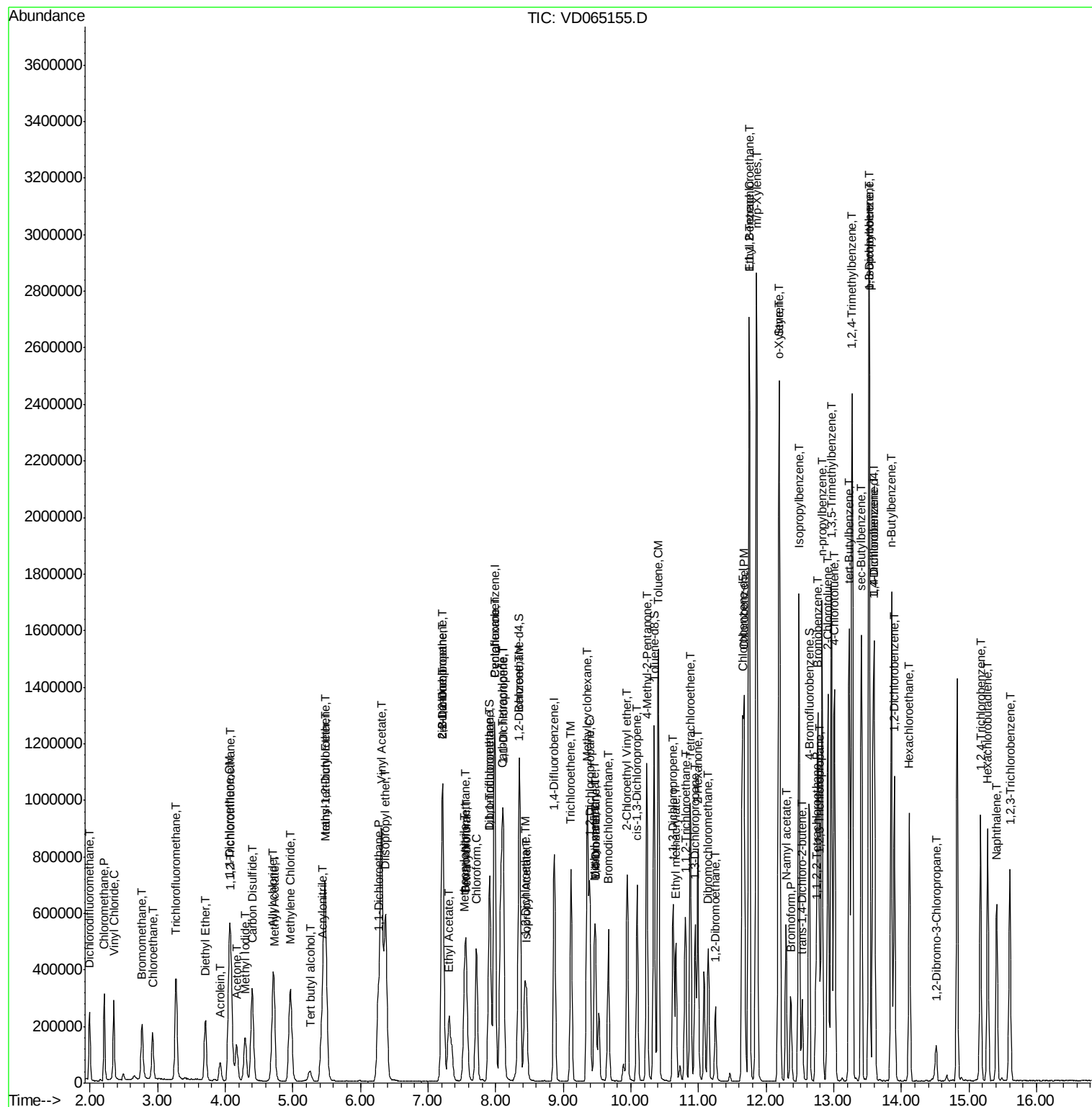
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	321309	52.667	ug/l	98
94) Hexachlorobutadiene	15.28	225	181339	48.341	ug/l	99
95) Naphthalene	15.41	128	549360	54.177	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	275779	52.847	ug/l	99

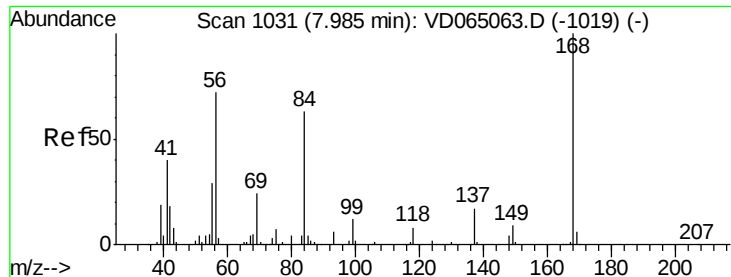
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

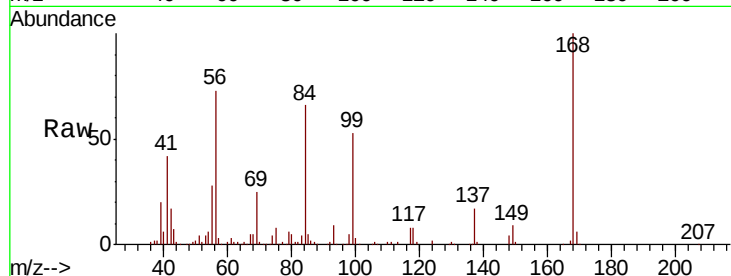
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 469835

Ion Ratio Lower Upper

168 100

99 53.3 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

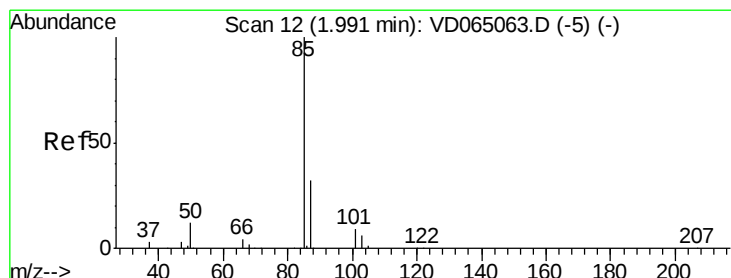
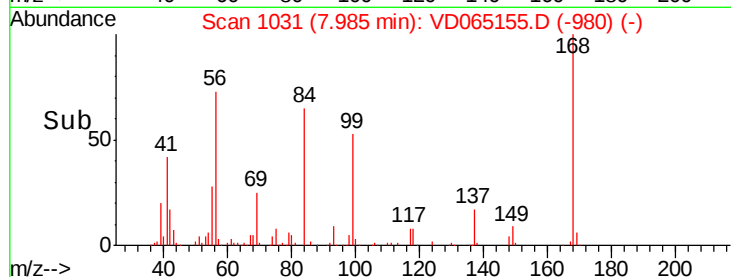
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.466 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065155.D

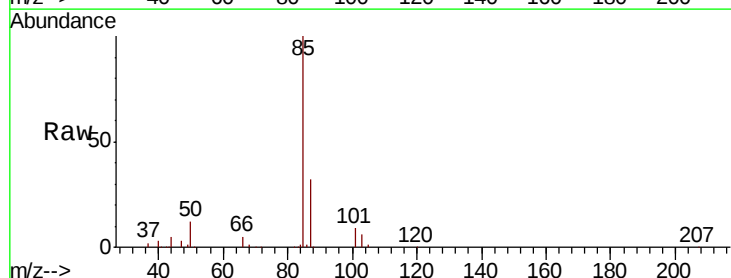
Acq: 11 Feb 2020 20:27

Tgt Ion: 85 Resp: 193402

Ion Ratio Lower Upper

85 100

87 32.2 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

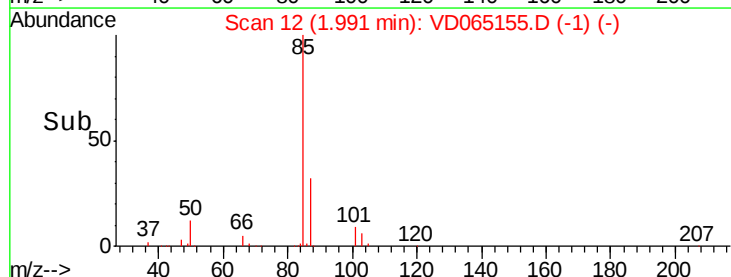
150000

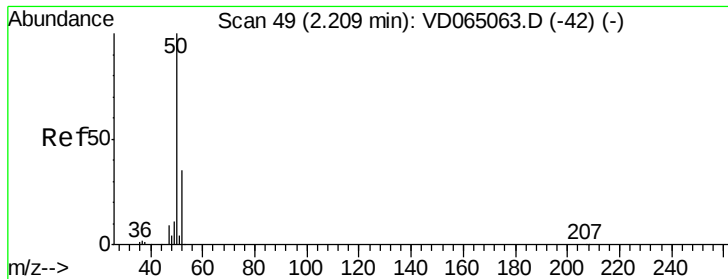
100000

50000

0

Time-->





#3

Chloromethane

Concen: 56.397 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

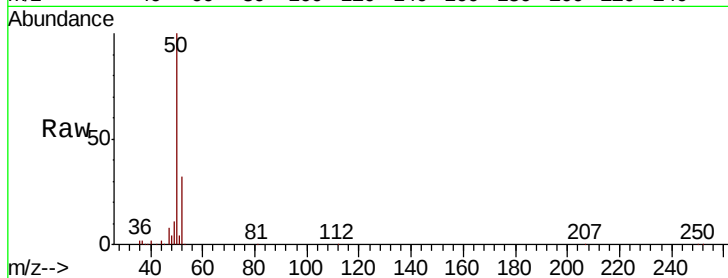
ClientSampleId :

Tot Ion: 50 Resp: 259566

Ion Ratio Lower Upper

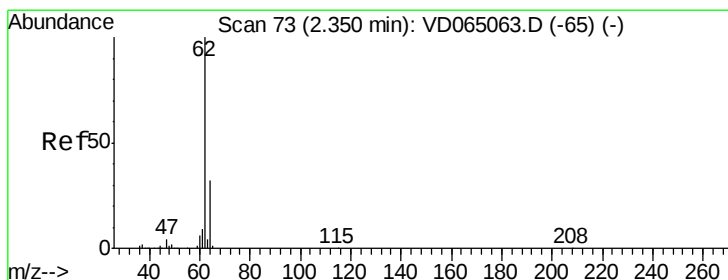
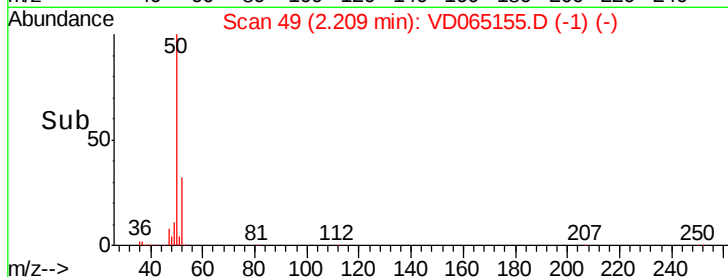
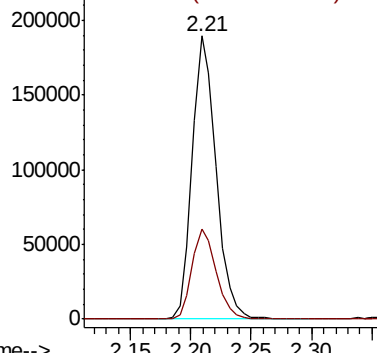
50 100

52 31.9 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: 53.185 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065155.D

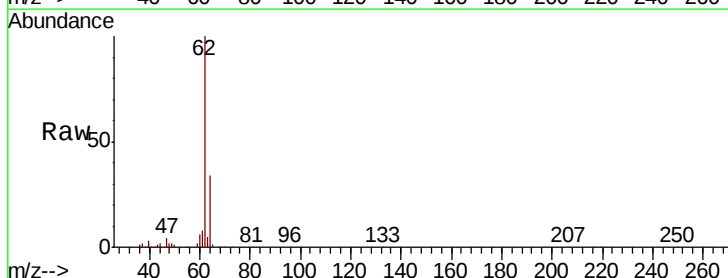
Acq: 11 Feb 2020 20:27

Tgt Ion: 62 Resp: 258874

Ion Ratio Lower Upper

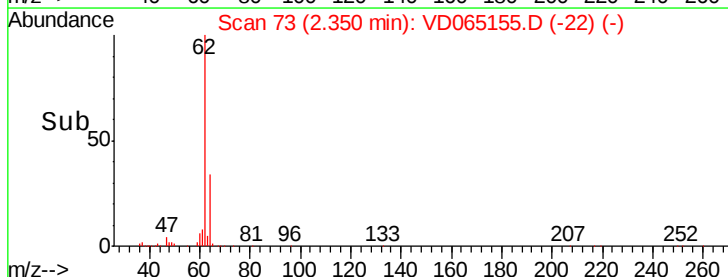
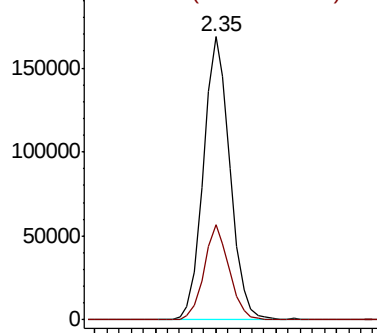
62 100

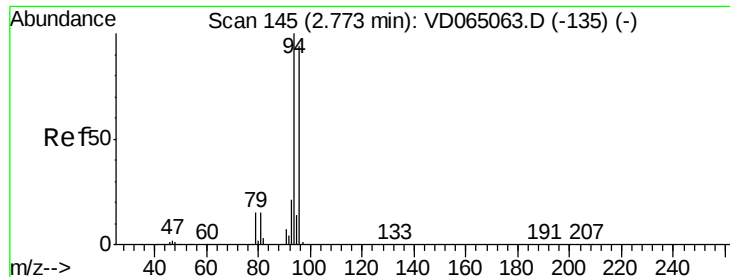
64 33.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.665 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

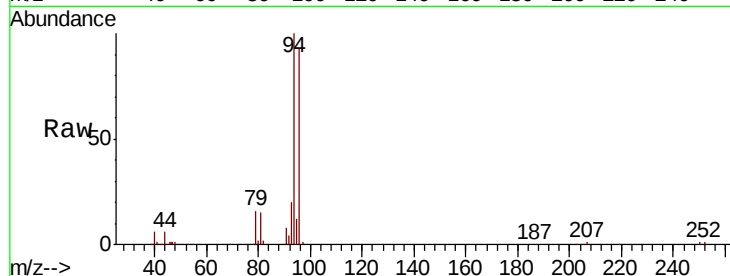
ClientSampleId :

Tot Ion: 94 Resp: 156745

Ion Ratio Lower Upper

94 100

96 92.6 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

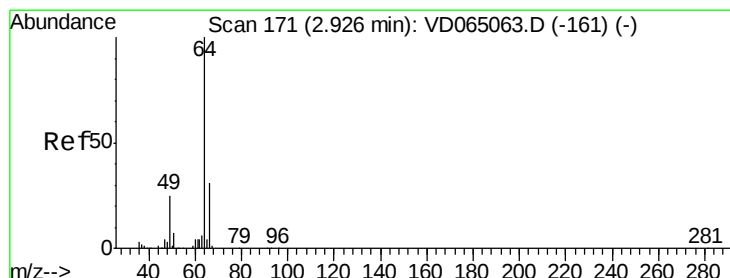
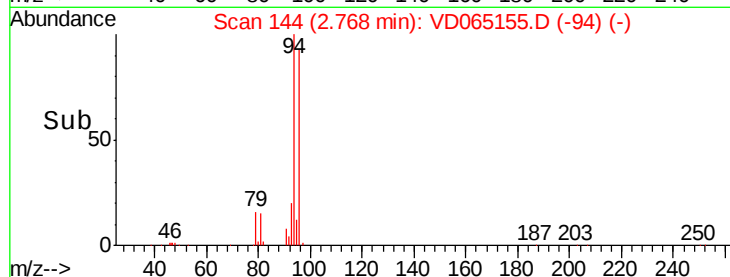
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 54.304 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065155.D

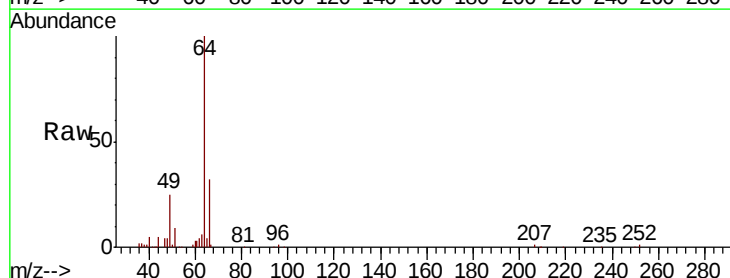
Acq: 11 Feb 2020 20:27

Tgt Ion: 64 Resp: 163960

Ion Ratio Lower Upper

64 100

66 31.7 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

80000

60000

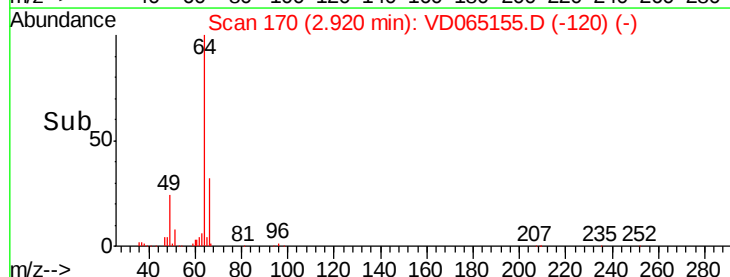
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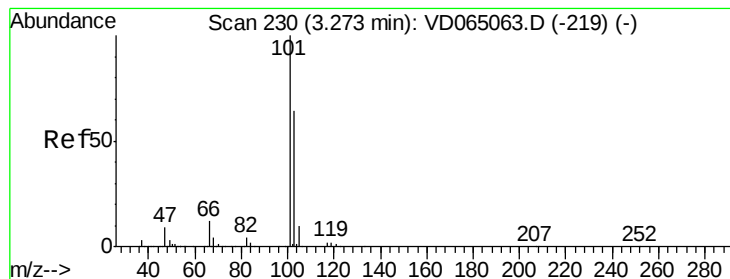
20000

0

Time-->

2.85 2.90 2.95 3.00





#7

Trichlorofluoromethane

Concen: 52.912 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

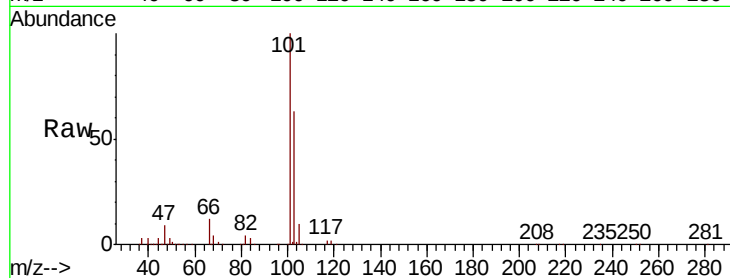
ClientSampleId :

Tot Ion:101 Resp: 374803

Ion Ratio Lower Upper

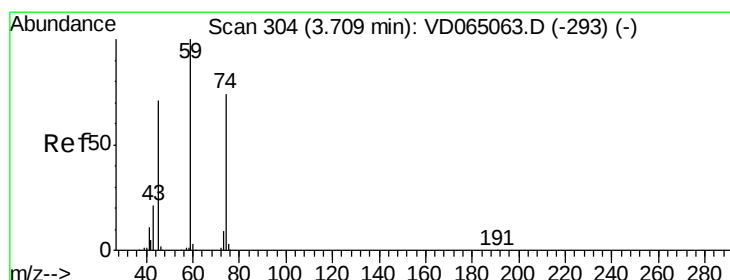
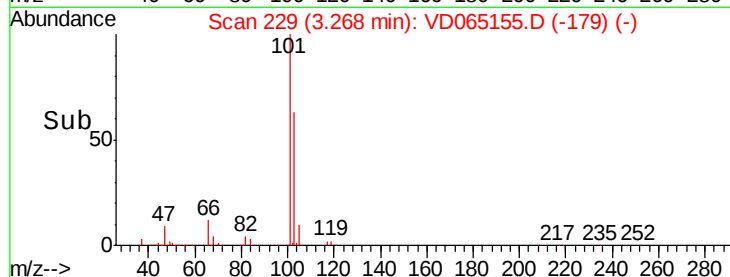
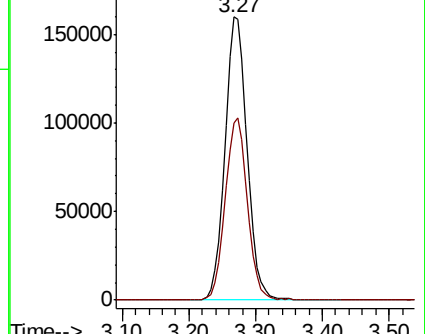
101 100

103 62.6 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 58.159 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065155.D

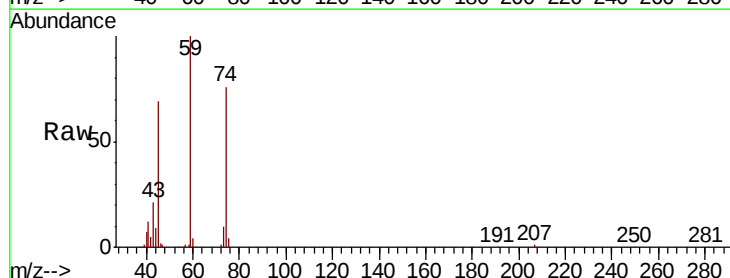
Acq: 11 Feb 2020 20:27

Tgt Ion: 74 Resp: 118268

Ion Ratio Lower Upper

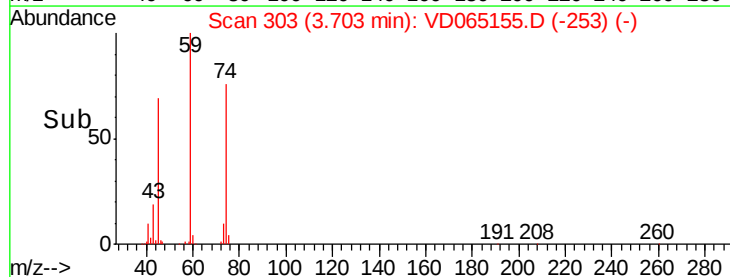
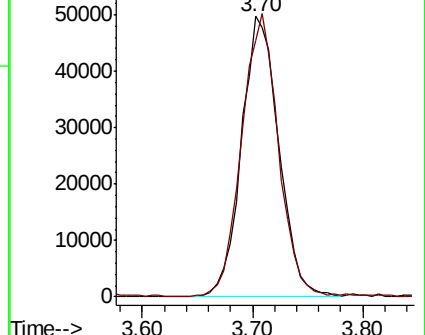
74 100

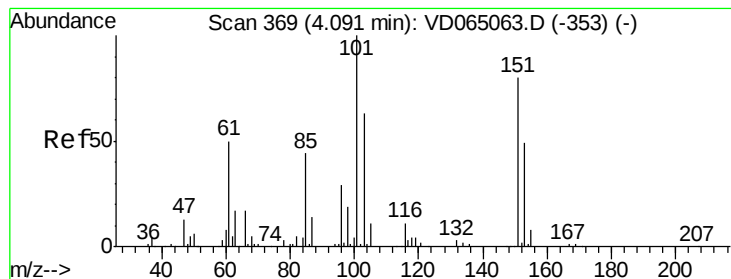
45 98.6 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.441 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065155.D

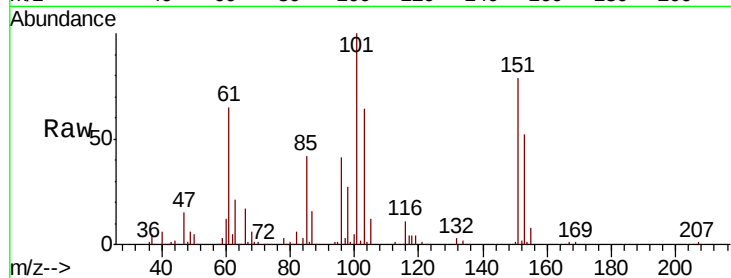
Acq: 11 Feb 2020 20:27

Instrument :

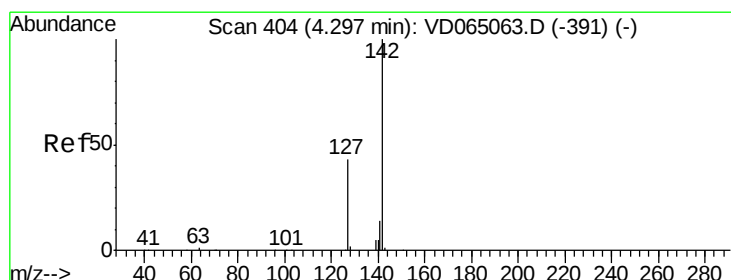
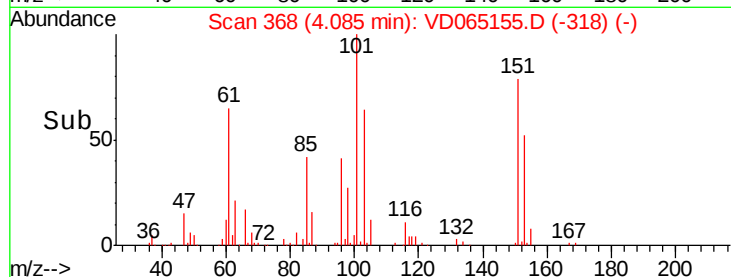
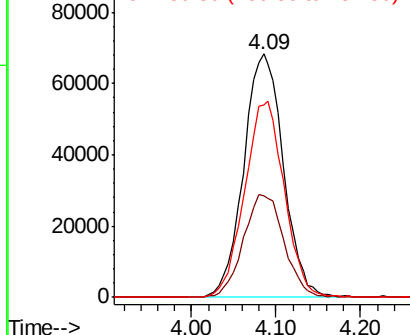
MSVOA_D

ClientSampleId :

Tot Ion:	101	Resp:	222757
Ion	Ratio	Lower	Upper
101	100		
85	43.1	34.0	51.0
151	80.9	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: 52.879 ug/l

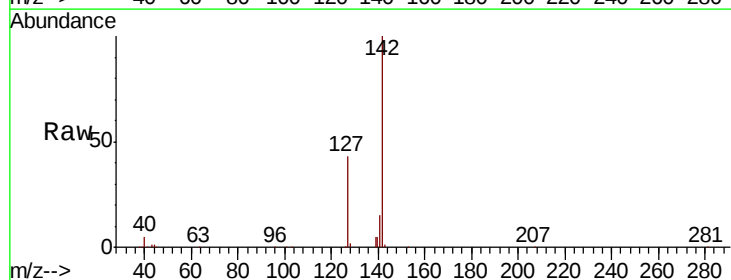
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

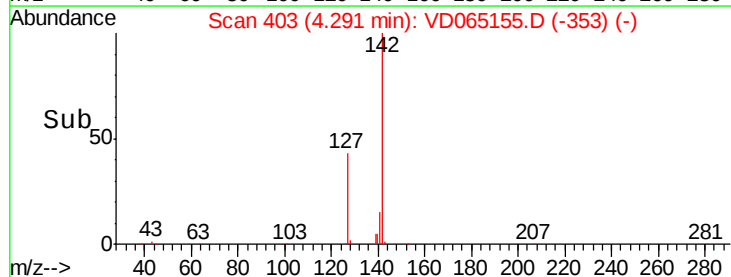
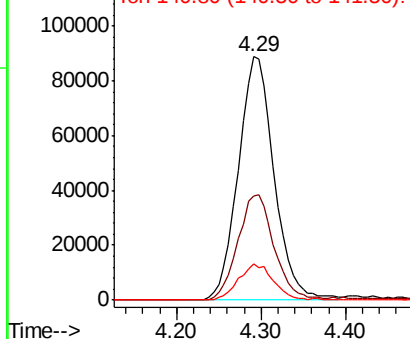
Lab File: VD065155.D

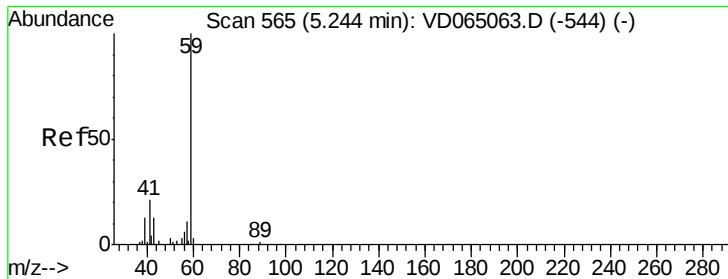
Acq: 11 Feb 2020 20:27

Tgt Ion:	142	Resp:	261360
Ion	Ratio	Lower	Upper
142	100		
127	43.8	34.0	51.0
141	14.4	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



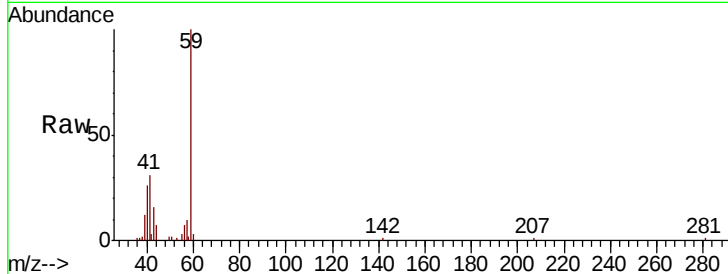


#11

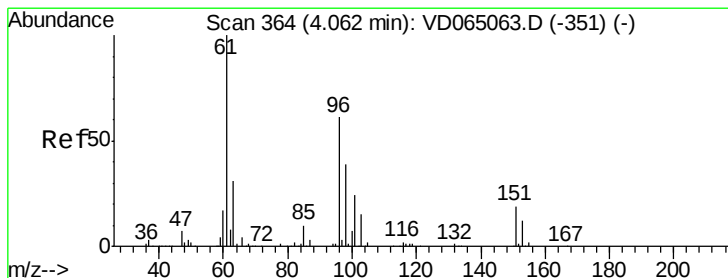
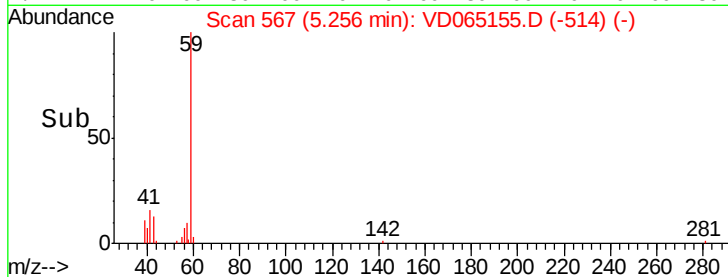
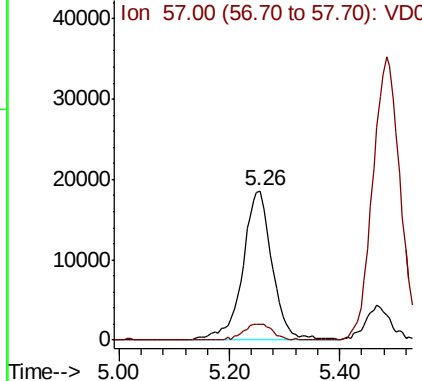
Tert butyl alcohol
Concen: 280.889 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 68531
Ion Ratio Lower Upper
59 100
57 10.6 8.8 13.2



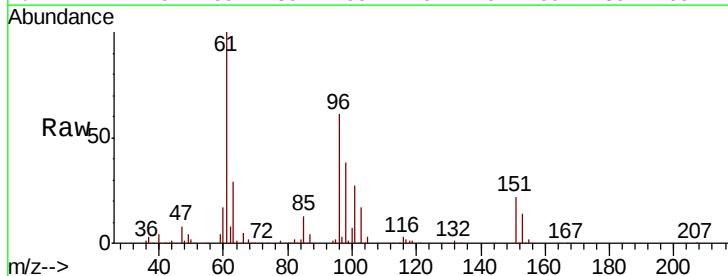
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



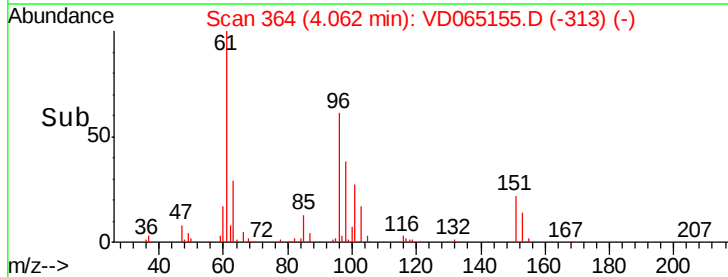
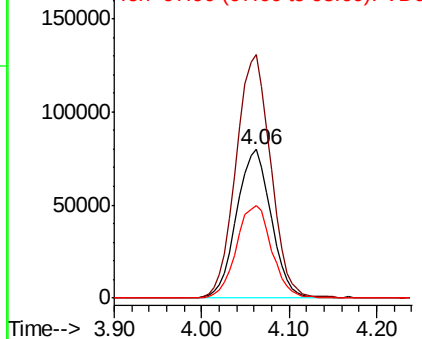
#12

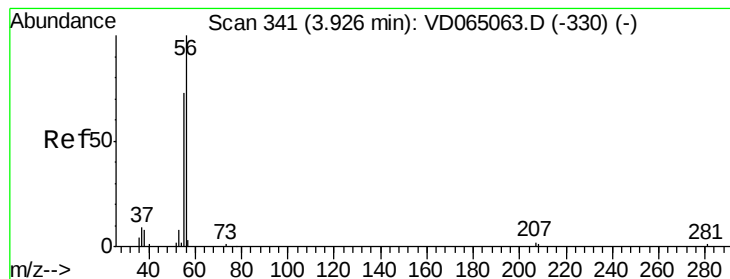
1,1-Dichloroethene
Concen: 51.836 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 96 Resp: 214979
Ion Ratio Lower Upper
96 100
61 163.9 131.4 197.2
98 62.2 51.1 76.7



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





#13

Acrolein

Concen: 259.514 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

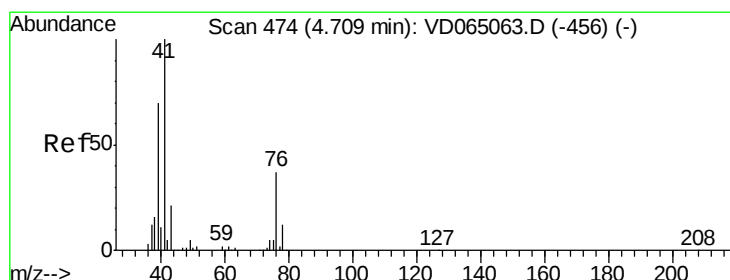
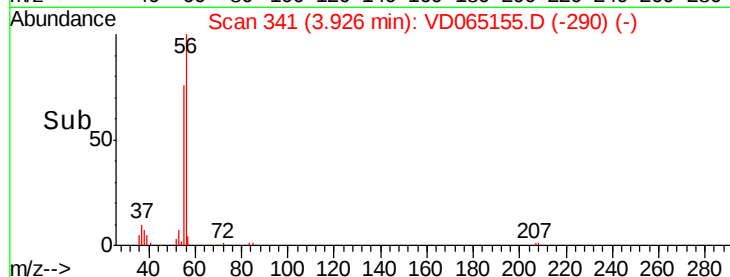
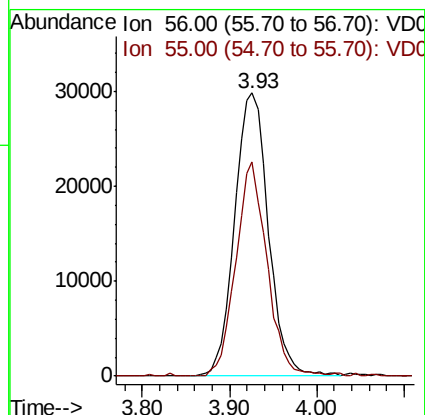
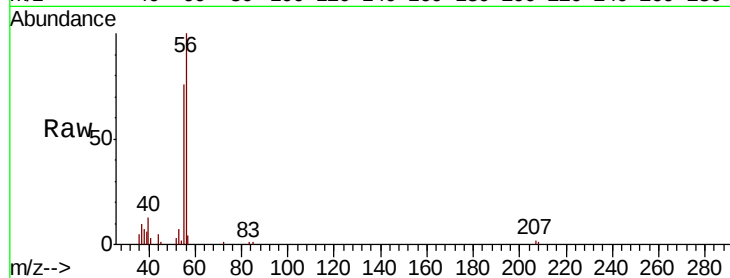
ClientSampleId :

Tot Ion: 56 Resp: 77877

Ion Ratio Lower Upper

56 100

55 69.9 58.2 87.2



#14

Allyl chloride

Concen: 54.781 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

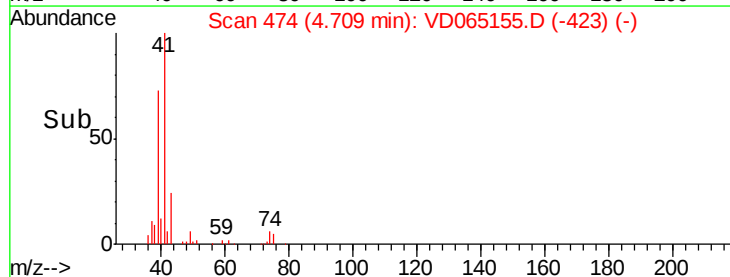
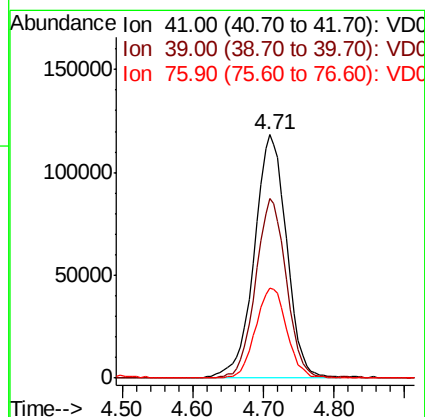
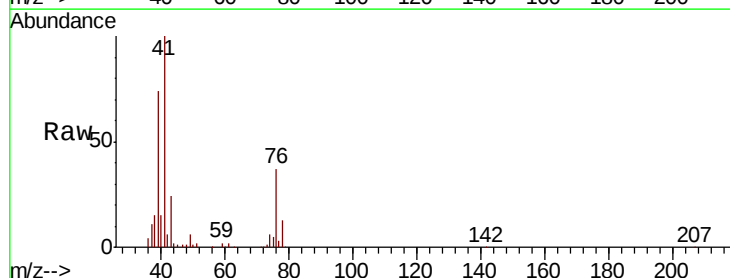
Tgt Ion: 41 Resp: 377591

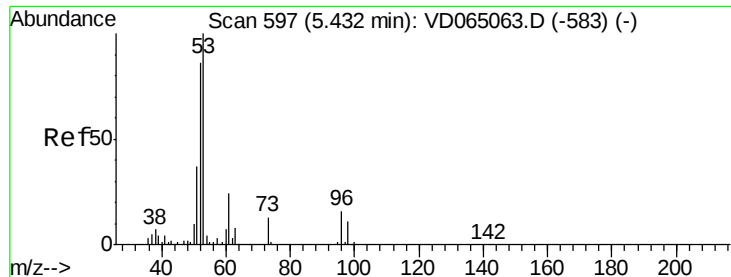
Ion Ratio Lower Upper

41 100

39 70.5 57.1 85.7

76 35.9 28.0 42.0





#15

Acrylonitrile

Concen: 303.259 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampled :

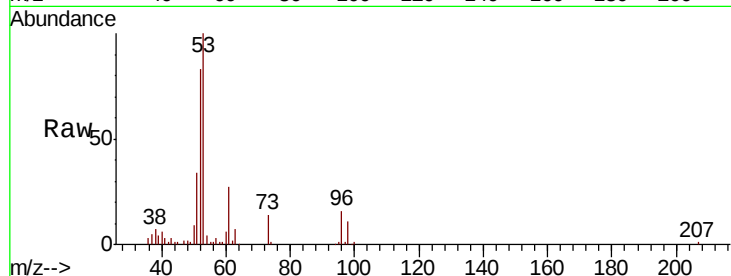
Tot Ion: 53 Resp: 269609

Ion Ratio Lower Upper

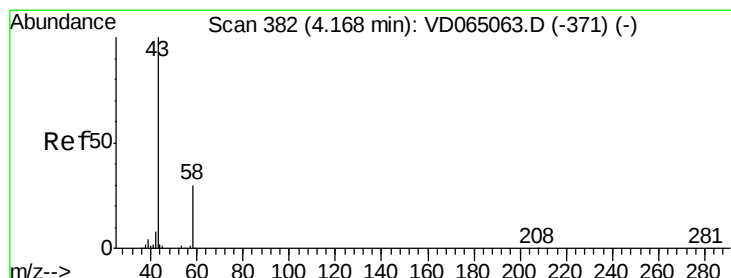
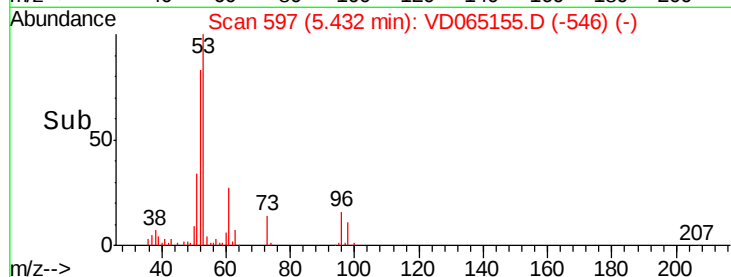
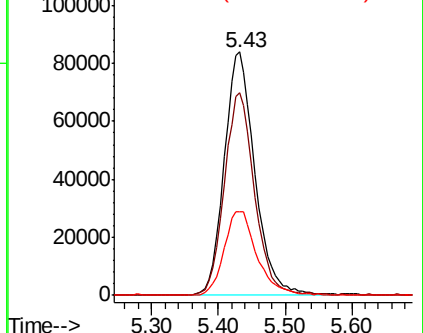
53 100

52 81.7 66.2 99.2

51 37.2 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: 219.758 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065155.D

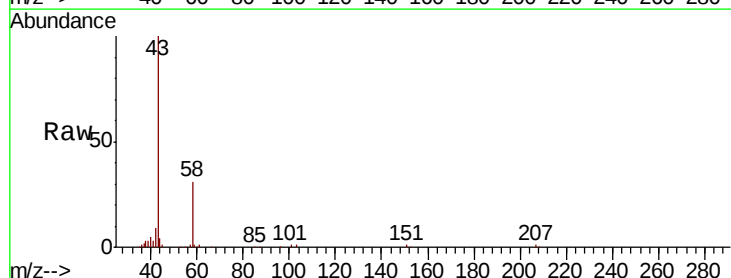
Acq: 11 Feb 2020 20:27

Tgt Ion: 43 Resp: 219399

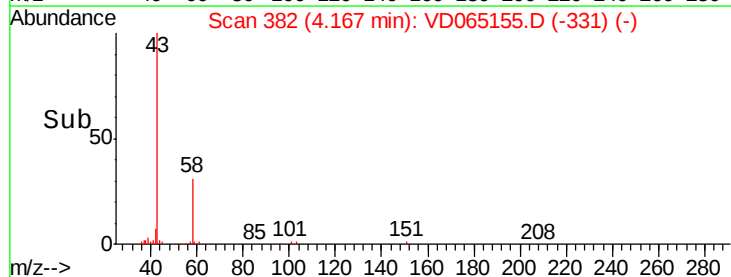
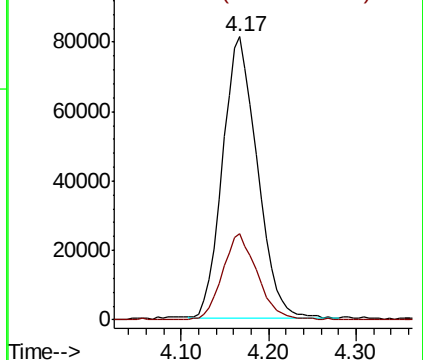
Ion Ratio Lower Upper

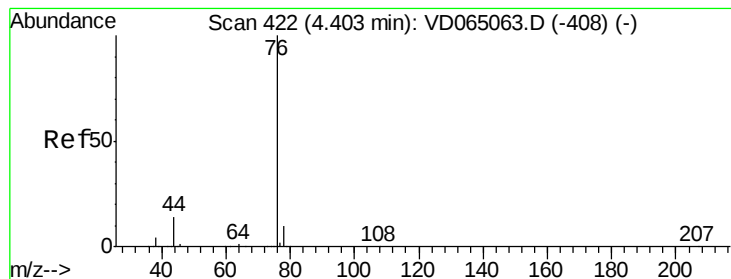
43 100

58 30.7 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: 52.615 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

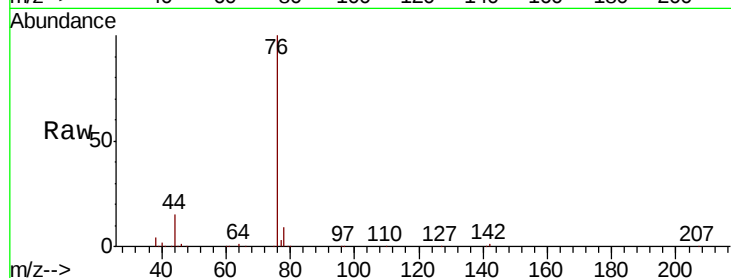
ClientSampleId :

Tot Ion: 76 Resp: 700626

Ion Ratio Lower Upper

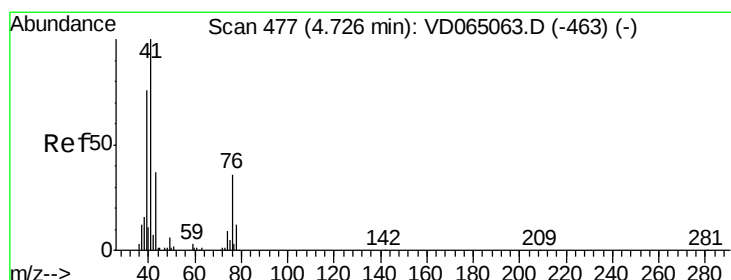
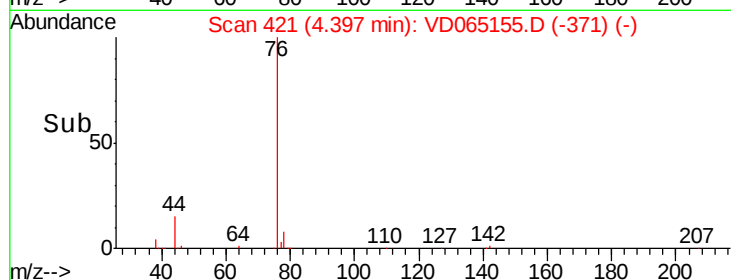
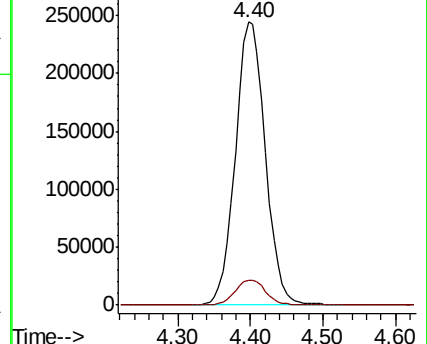
76 100

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: 59.360 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065155.D

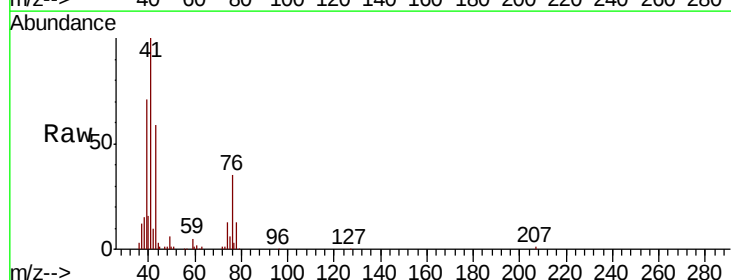
Acq: 11 Feb 2020 20:27

Tgt Ion: 43 Resp: 123818

Ion Ratio Lower Upper

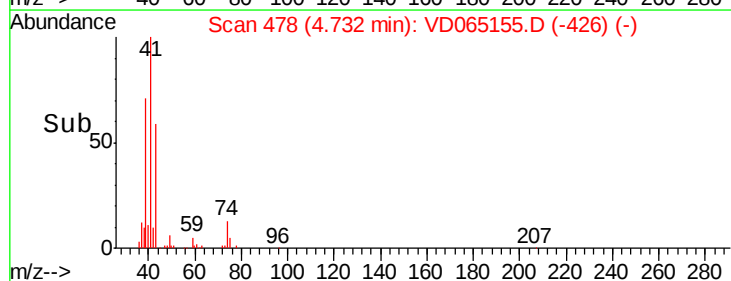
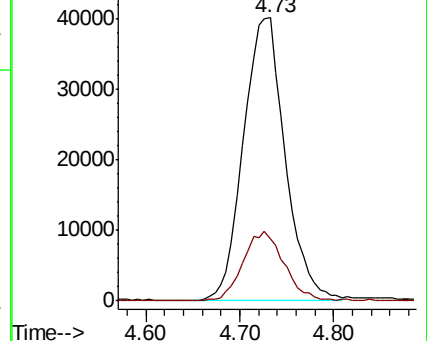
43 100

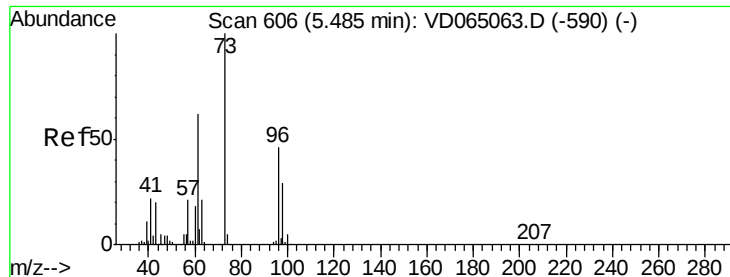
74 24.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

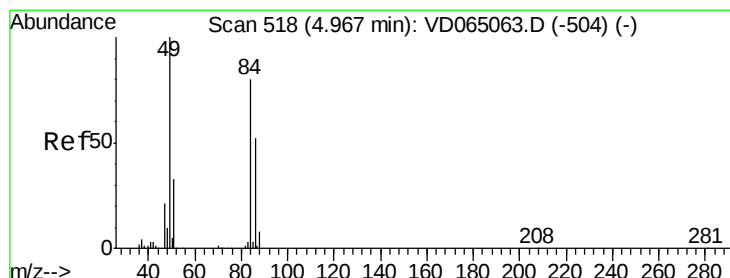
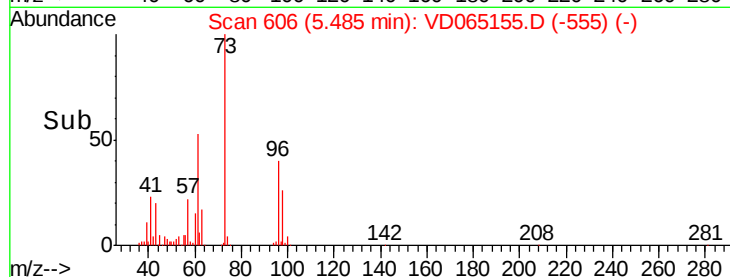
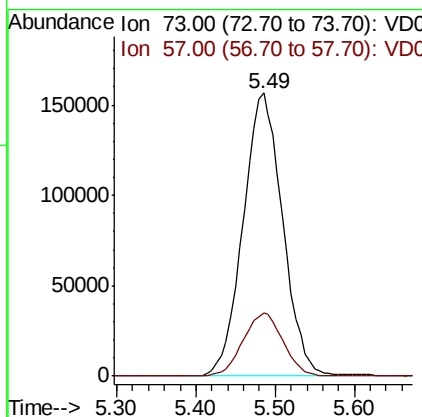
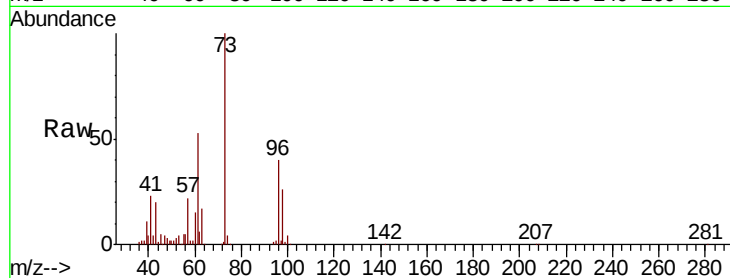




#19
Methvl tert-butvl Ether
Concen: 59.185 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

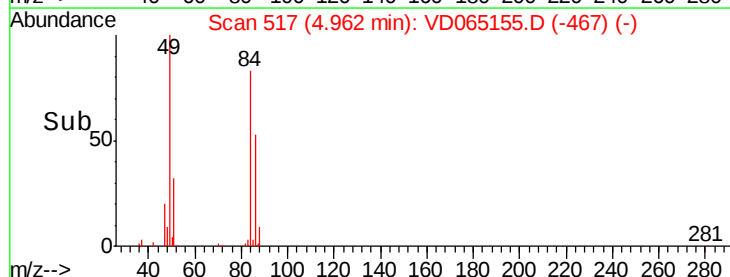
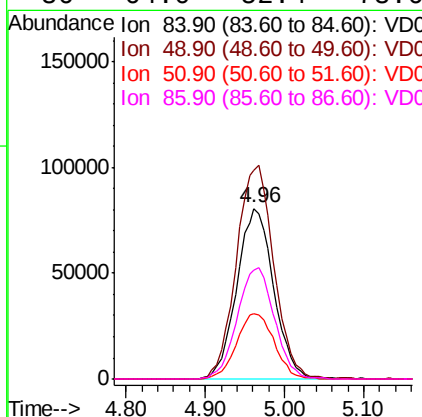
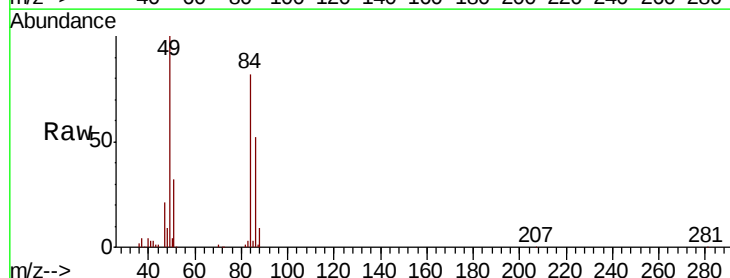
Instrument :
MSVOA_D
ClientSampleId :

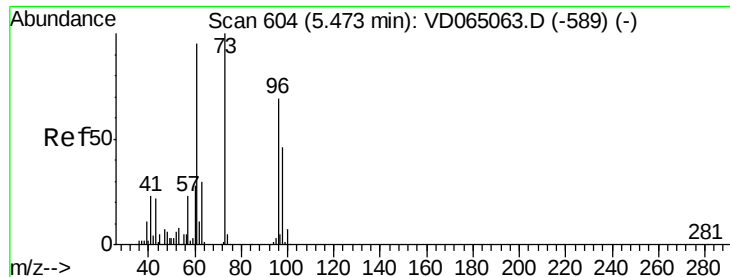
Tot Ion: 73 Resp: 542792
Ion Ratio Lower Upper
73 100
57 22.5 16.8 25.2



#20
Methylene Chloride
Concen: 60.020 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 84 Resp: 260377
Ion Ratio Lower Upper
84 100
49 122.0 100.4 150.6
51 38.6 32.7 49.1
86 64.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 54.502 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

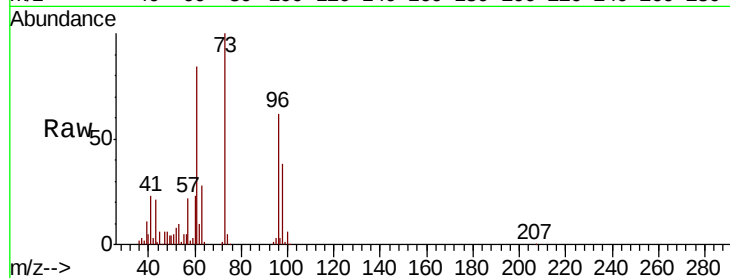
Tot Ion: 96 Resp: 255734

Ion Ratio Lower Upper

96 100

61 136.0 109.5 164.3

98 62.3 53.7 80.5

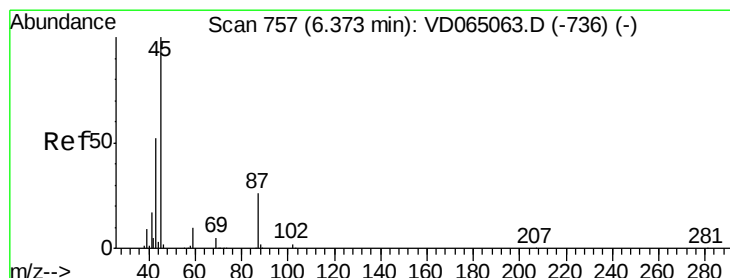
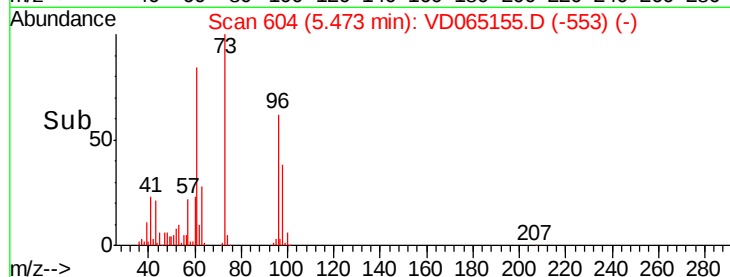
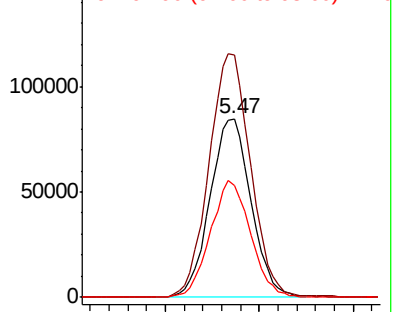


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 59.959 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Tgt Ion: 45 Resp: 779548

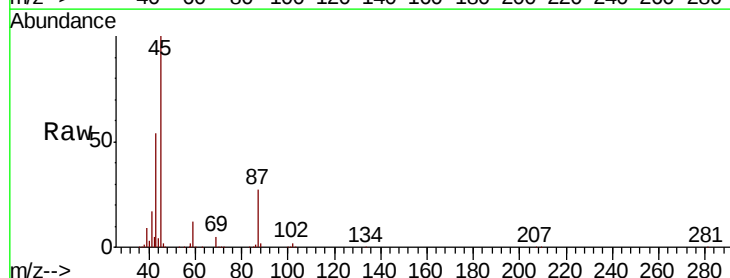
Ion Ratio Lower Upper

45 100

43 53.5 41.3 61.9

87 26.9 21.0 31.6

59 11.5 8.2 12.4



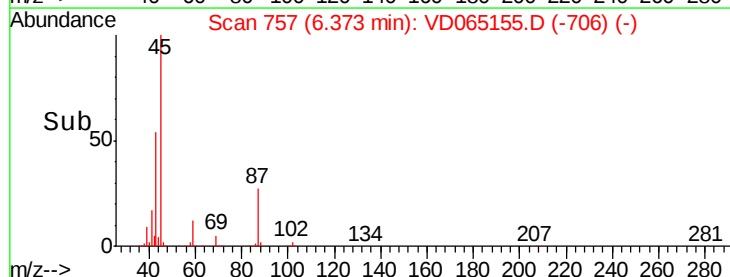
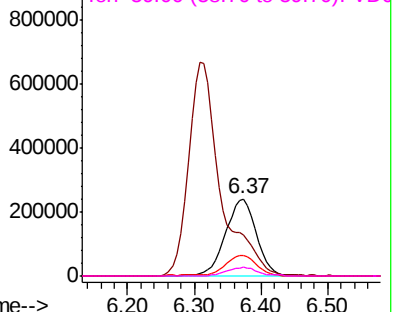
Abundance

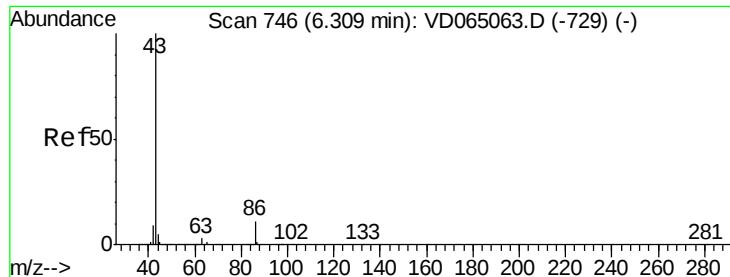
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 311.009 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

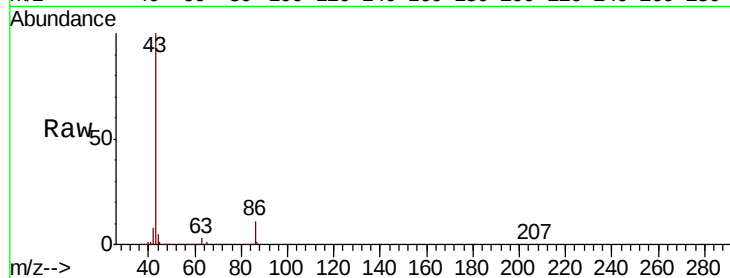
ClientSampleId :

Tot Ion: 43 Resp: 2253800

Ion Ratio Lower Upper

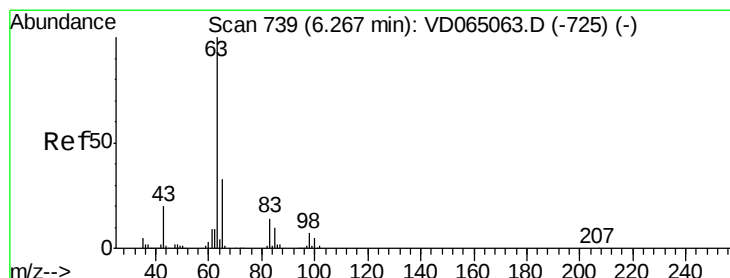
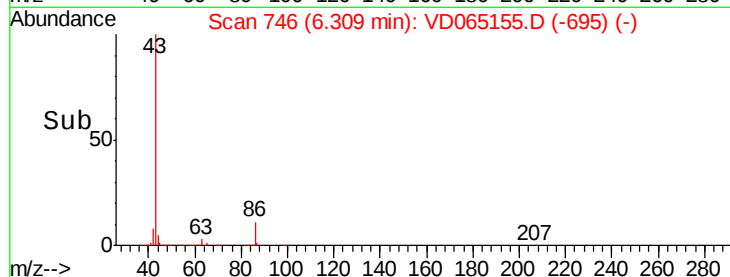
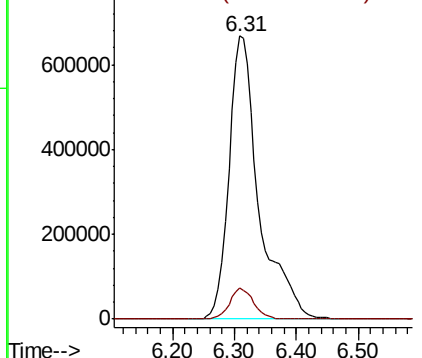
43 100

86 10.9 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 57.755 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

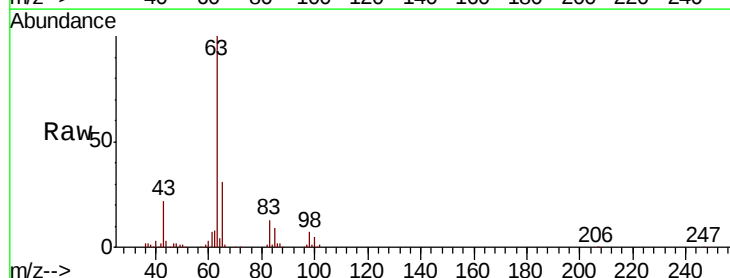
Tgt Ion: 63 Resp: 454503

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

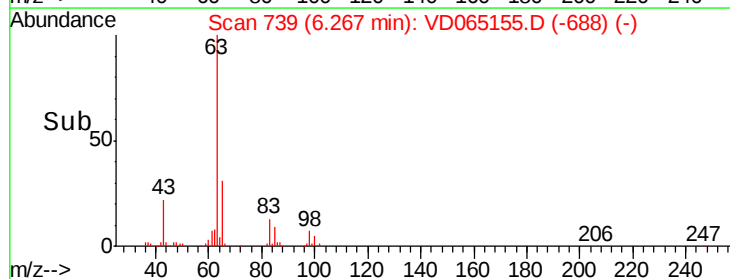
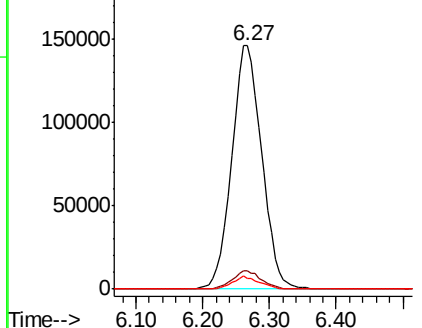
100 4.5 2.5 7.6

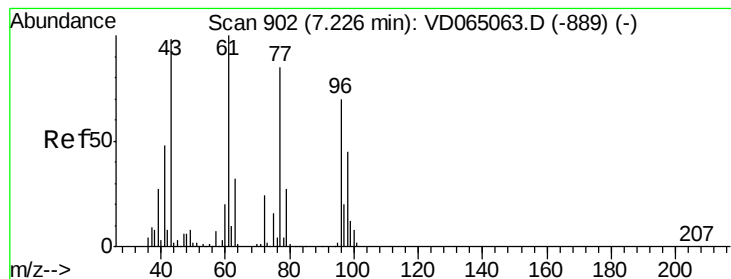


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 284.296 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

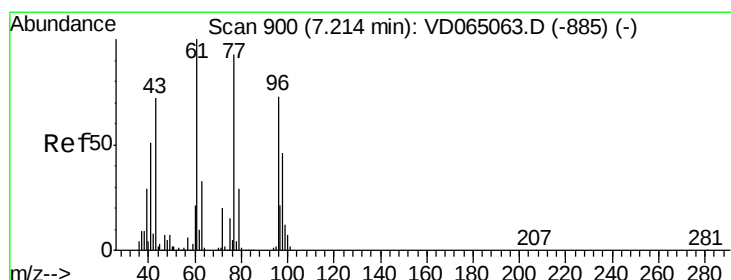
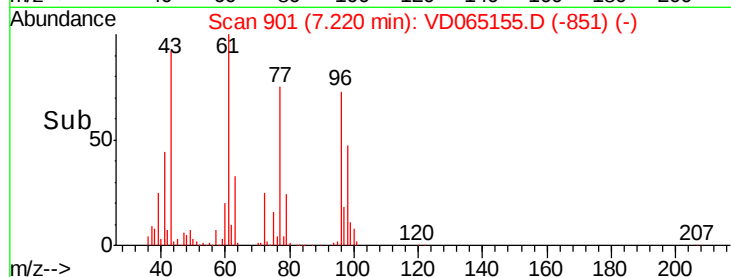
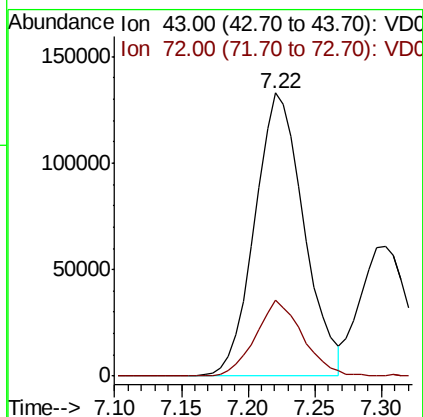
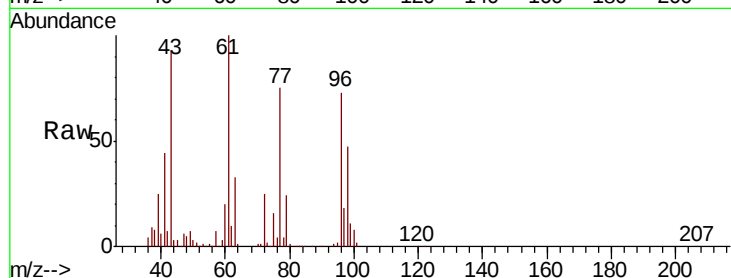
ClientSampleId :

Tot Ion: 43 Resp: 338570

Ion Ratio Lower Upper

43 100

72 27.0 19.9 29.9



#26

2,2-Dichloropropane

Concen: 51.505 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065155.D

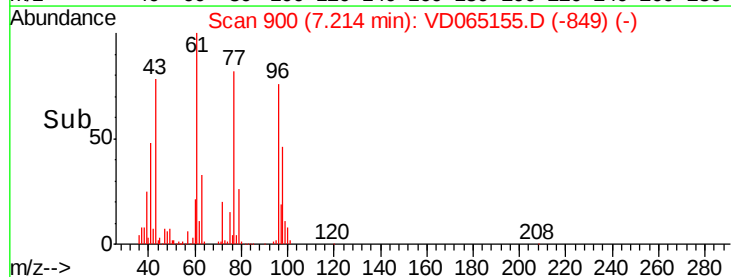
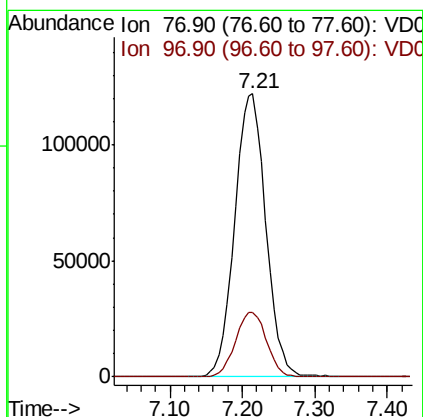
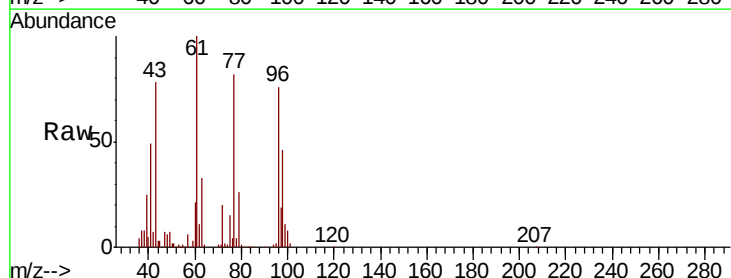
Acq: 11 Feb 2020 20:27

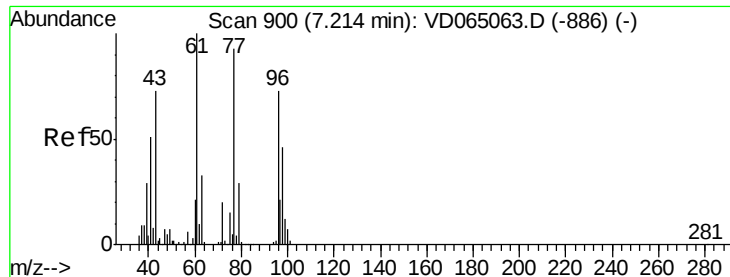
Tgt Ion: 77 Resp: 363301

Ion Ratio Lower Upper

77 100

97 23.0 10.9 32.6



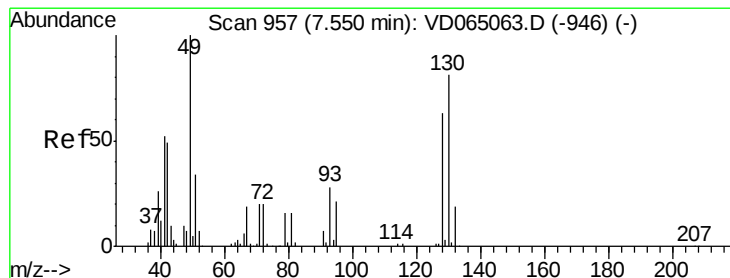
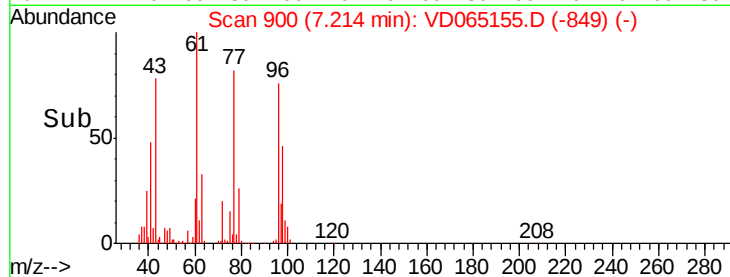
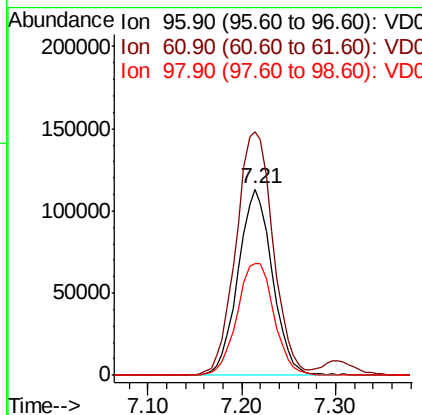
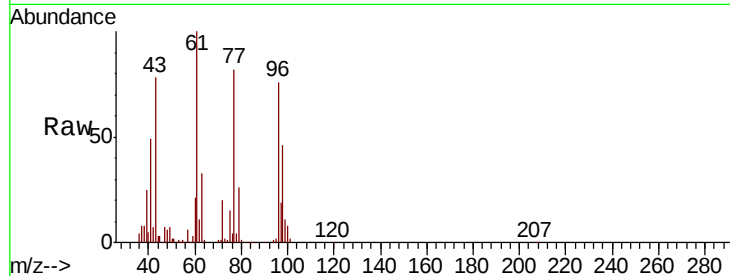


#27

cis-1,2-Dichloroethene
Concen: 57.672 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :

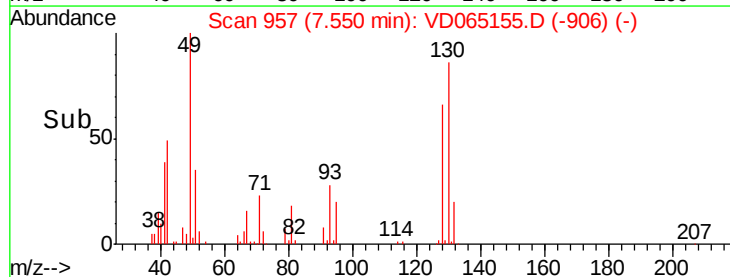
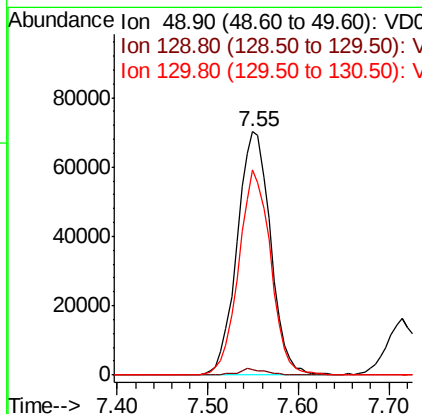
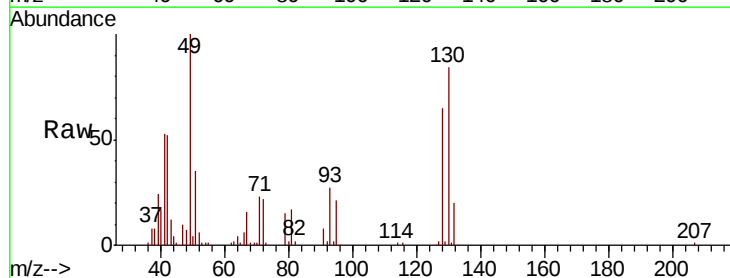
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	292.8
98	64.5	0.0	128.8

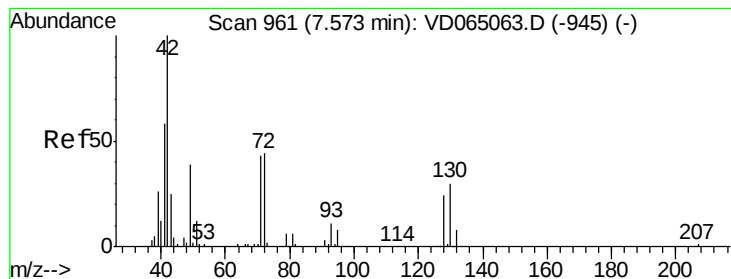


#28

Bromochloromethane
Concen: 60.324 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	80.7	63.8	95.8





#29

Tetrahydrofuran

Concen: 308.567 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

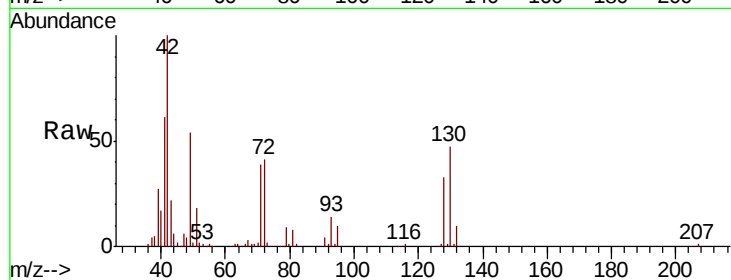
Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

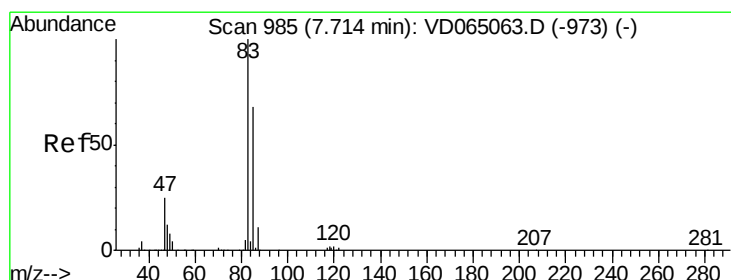
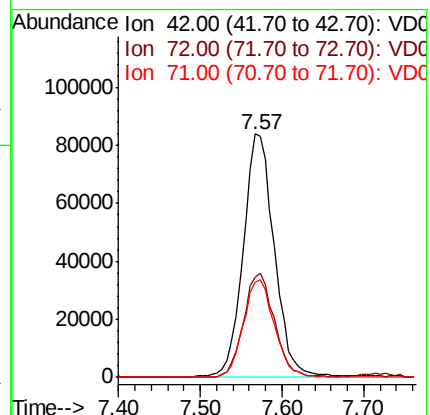
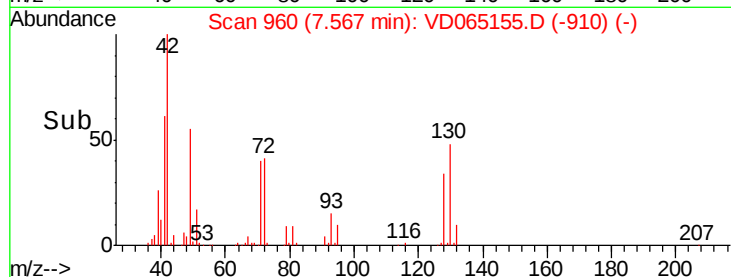
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 222225

Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.2	51.4
71	39.9	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: 58.761 ug/l

RT: 7.71 min Scan# 985

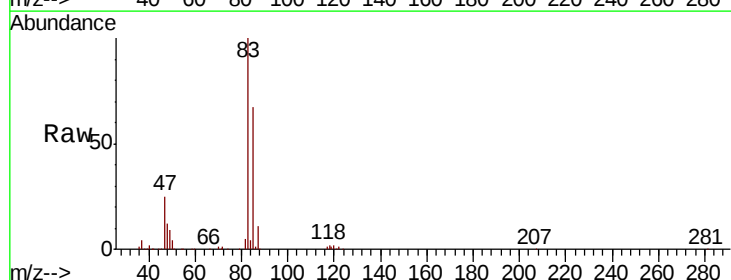
Delta R.T. -0.00 min

Lab File: VD065155.D

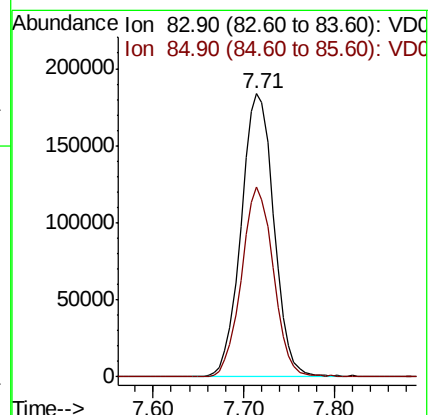
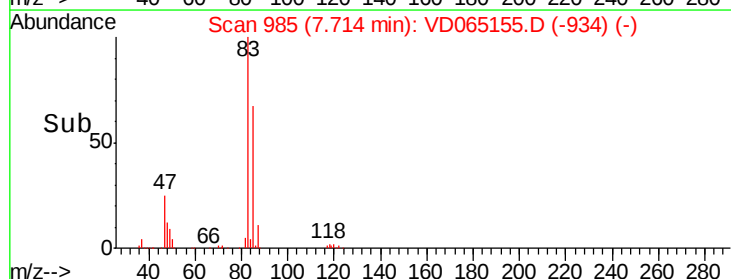
Acq: 11 Feb 2020 20:27

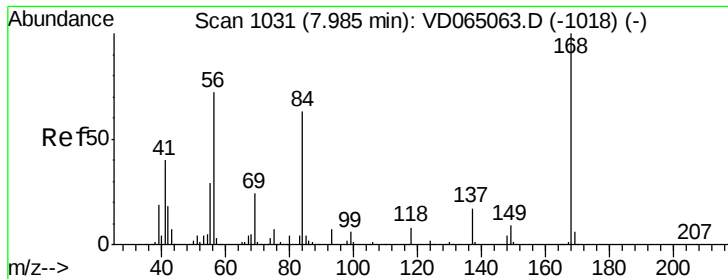
Tgt Ion: 83 Resp: 460436

Ion	Ratio	Lower	Upper
83	100		
85	66.9	54.2	81.4



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

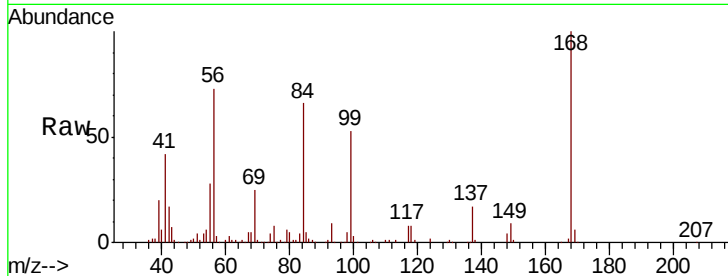




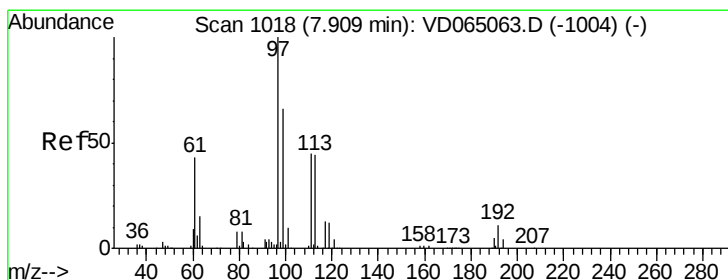
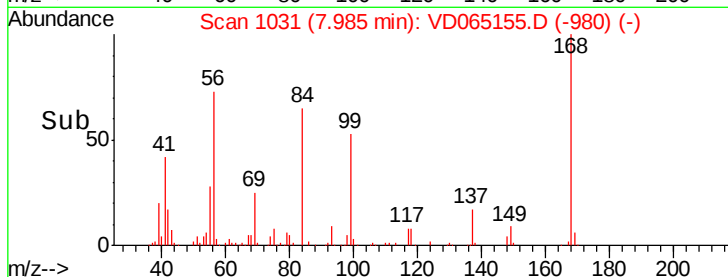
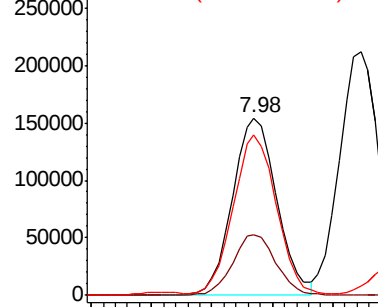
#31
Cyclohexane
Concen: 49.168 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 390580
Ion Ratio Lower Upper
56 100
69 34.5 26.6 40.0
84 88.6 70.6 106.0

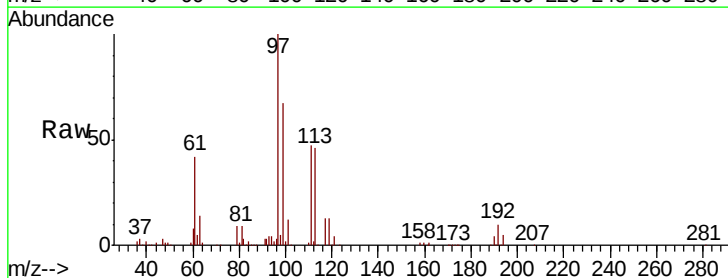


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

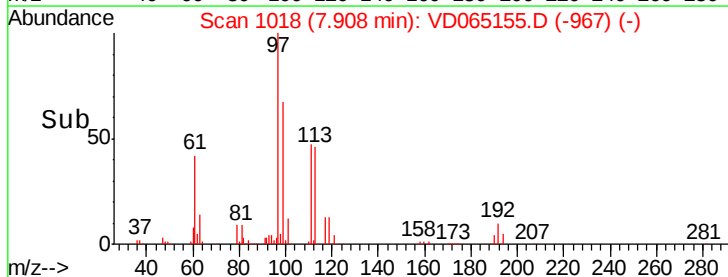
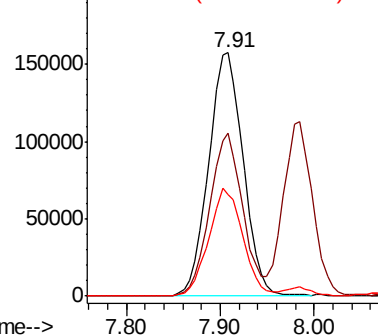


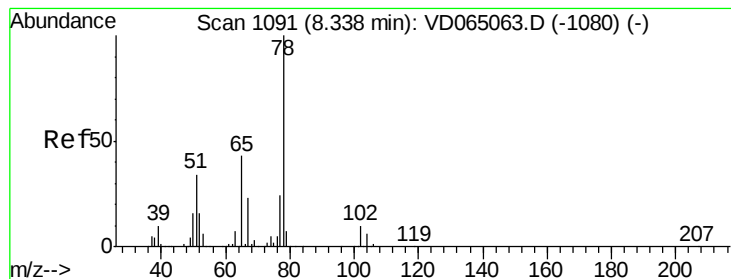
#32
1,1,1-Trichloroethane
Concen: 55.228 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 97 Resp: 403119
Ion Ratio Lower Upper
97 100
99 63.4 51.5 77.3
61 43.4 34.8 52.2



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





#33

1,2-Dichloroethane-d4

Concen: 57.767 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

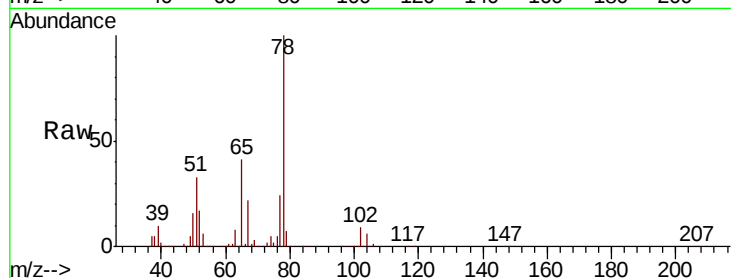
ClientSampled :

Tot Ion: 65 Resp: 230676

Ion Ratio Lower Upper

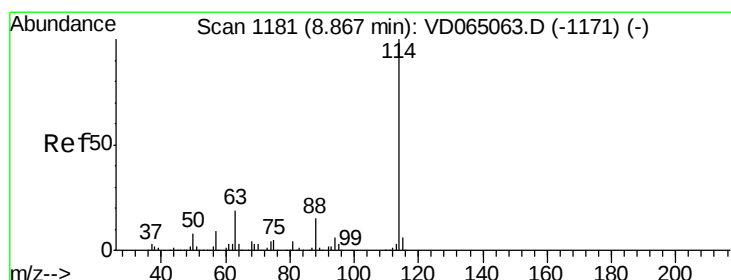
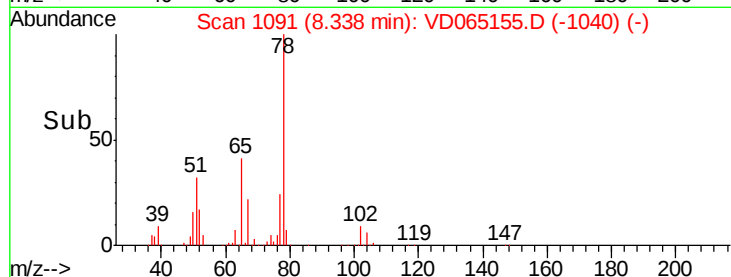
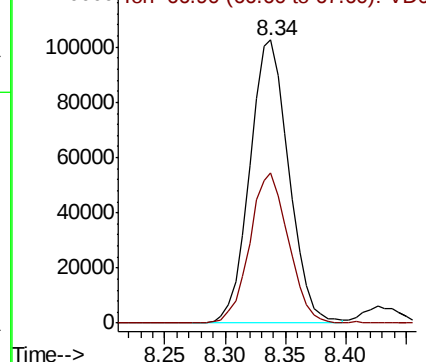
65 100

67 52.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

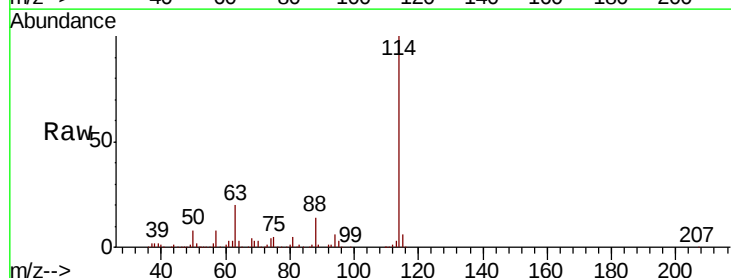
Tgt Ion: 114 Resp: 720756

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

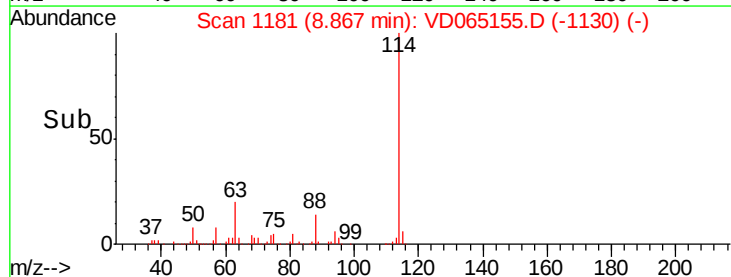
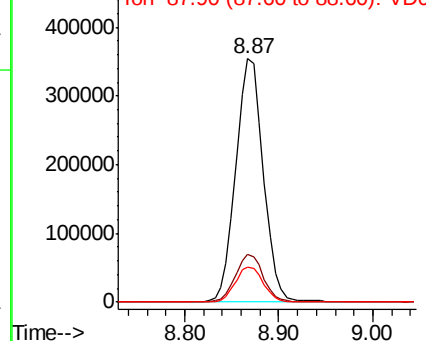
88 14.4 0.0 29.6

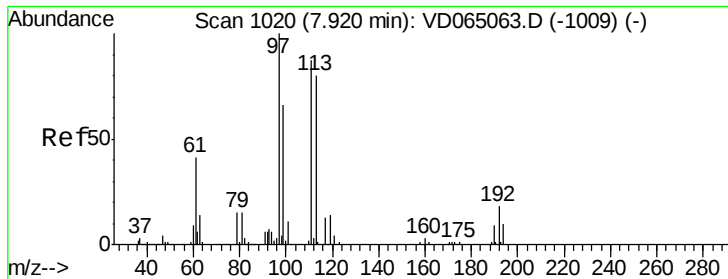


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

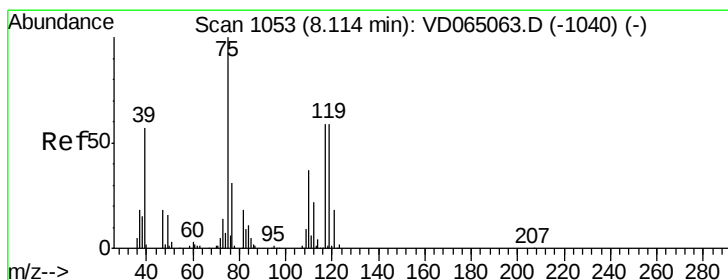
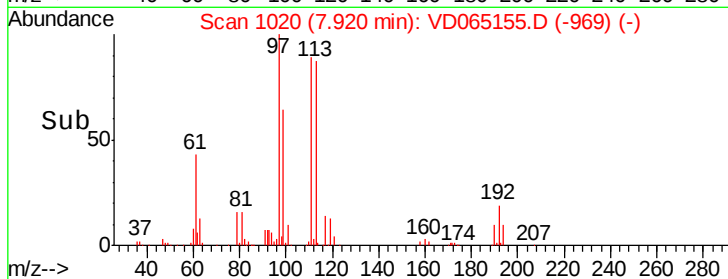
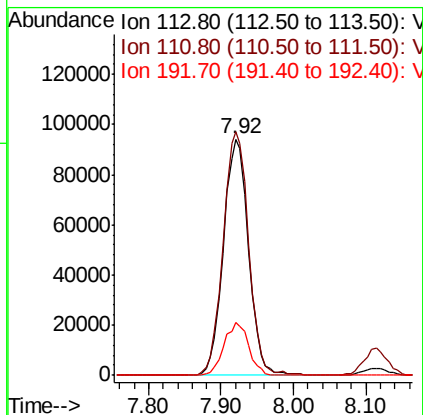
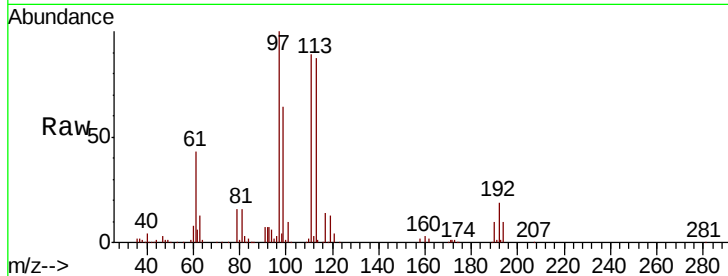




#35
 Dibromofluoromethane
 Concen: 56.426 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

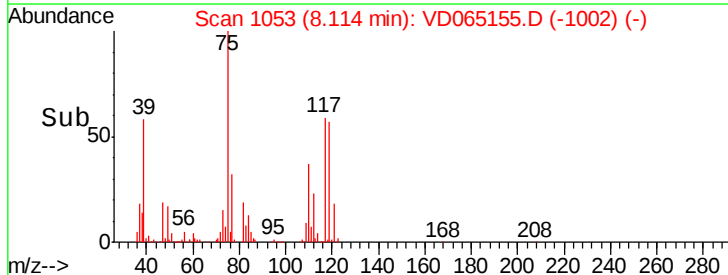
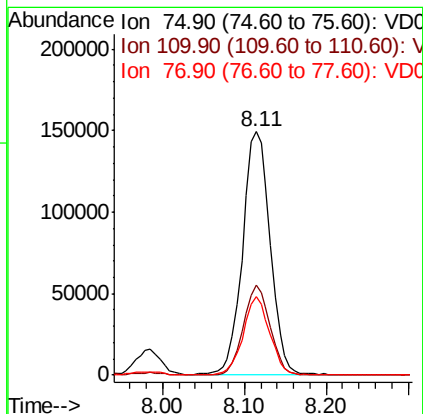
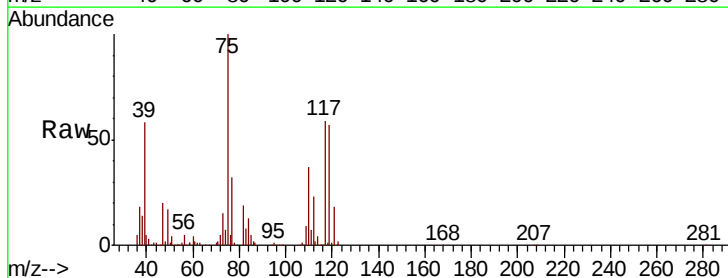
Instrument :
 MSVOA_D
 ClientSampleId :

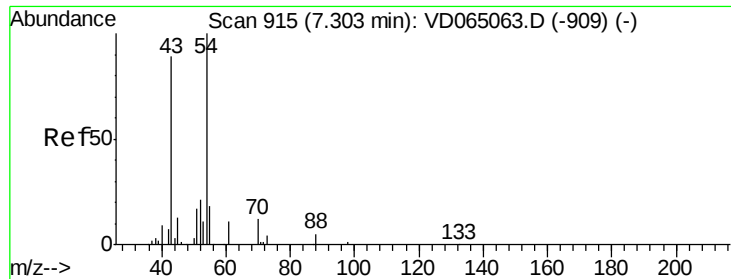
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	21.8	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 52.414 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.1	54.3
77	31.0	24.7	37.1

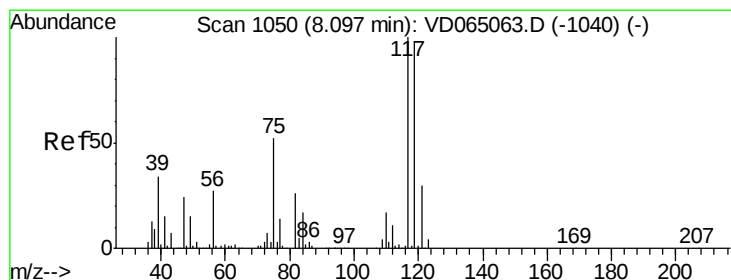
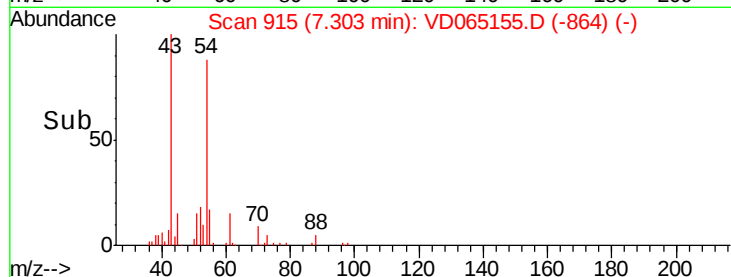
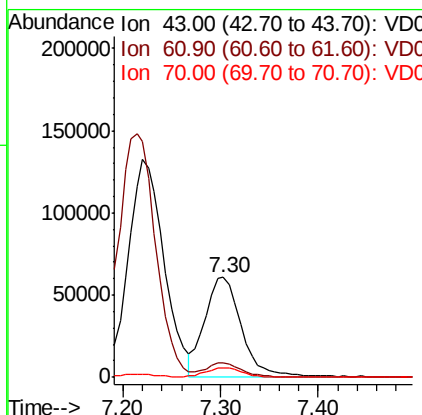
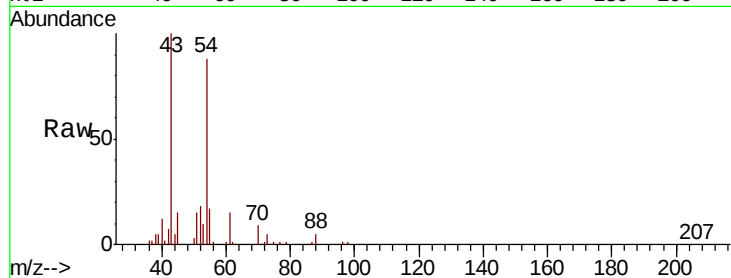




#37
Ethyl Acetate
Concen: 57.269 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

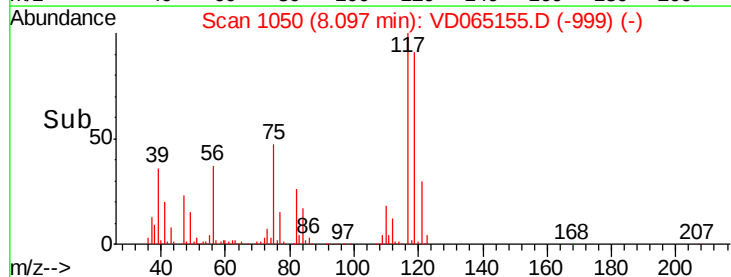
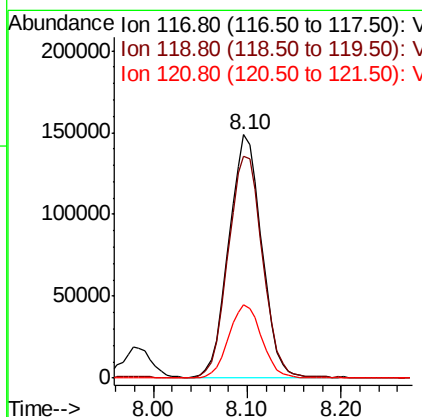
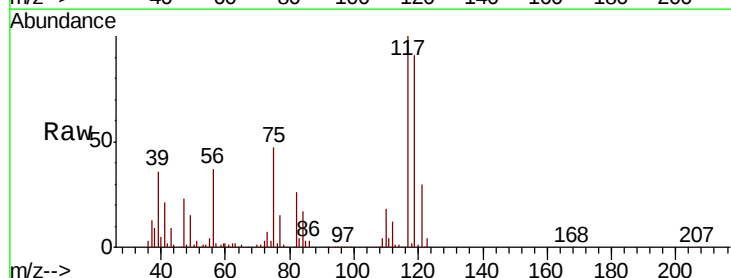
Instrument :
MSVOA_D
ClientSampleId :

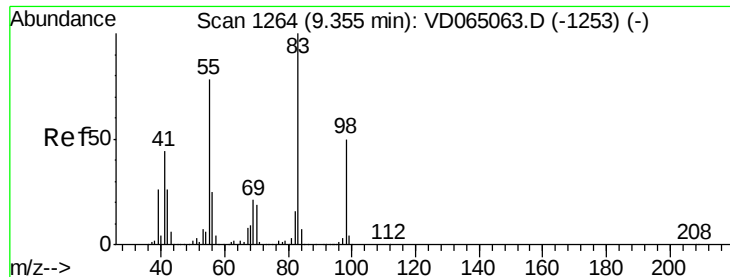
Tot Ion: 43 Resp: 156802
Ion Ratio Lower Upper
43 100
61 14.5 11.0 16.4
70 9.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 52.709 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 117 Resp: 360790
Ion Ratio Lower Upper
117 100
119 91.1 78.5 117.7
121 30.0 23.8 35.6

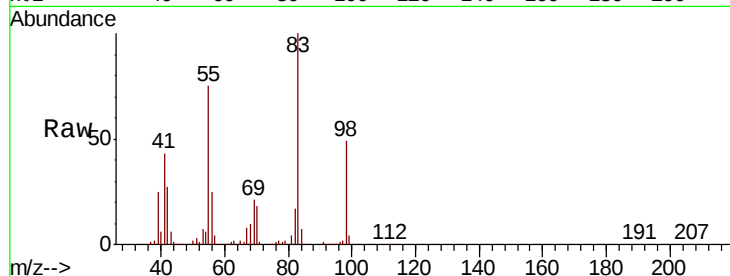




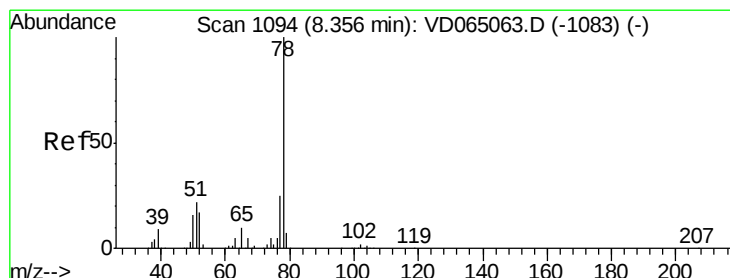
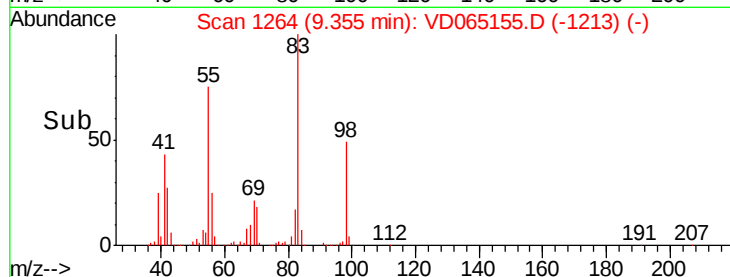
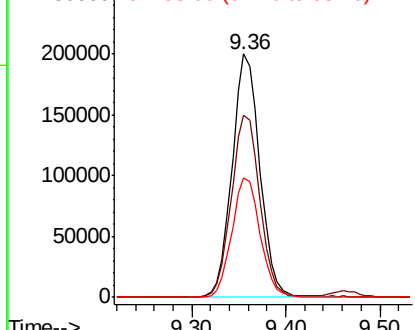
#39
Methvlcvclohexane
Concen: 49.650 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 410723
Ion Ratio Lower Upper
83 100
55 74.8 62.0 93.0
98 49.0 39.9 59.9

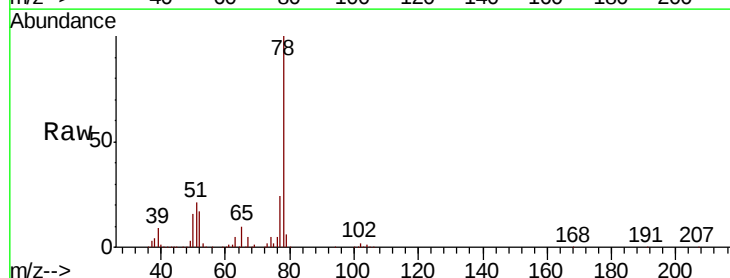


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

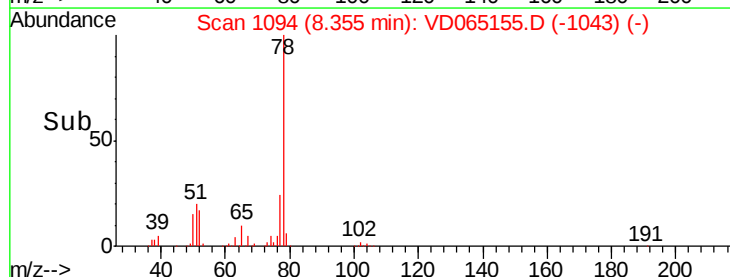
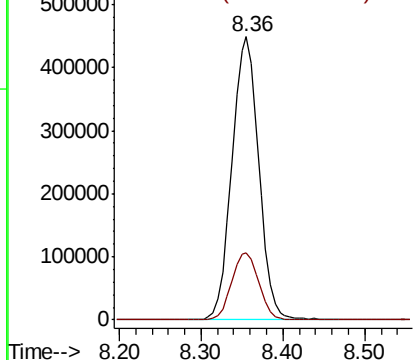


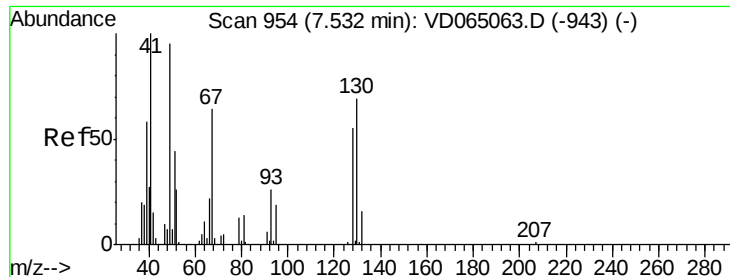
#40
Benzene
Concen: 55.265 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 78 Resp: 1022806
Ion Ratio Lower Upper
78 100
77 23.7 19.6 29.4



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

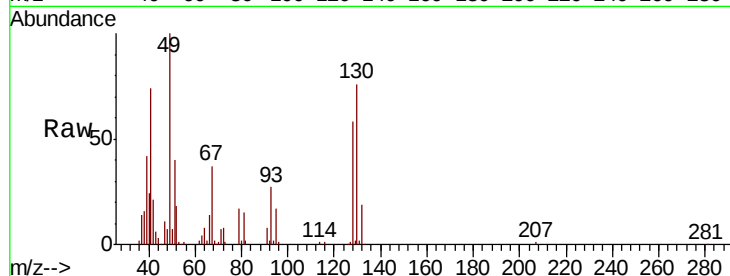




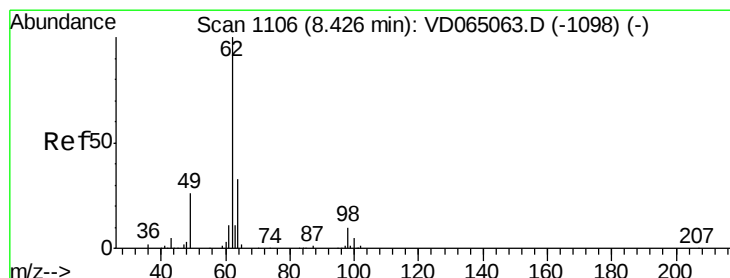
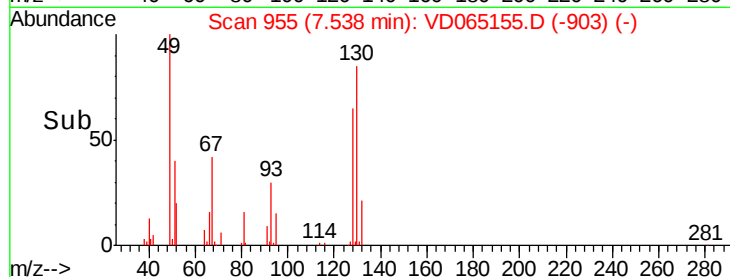
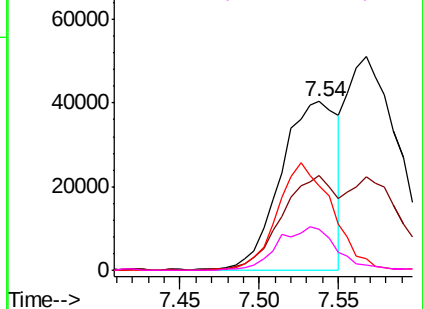
#41
Methacrylonitrile
Concen: 66.791 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 100748
Ion Ratio Lower Upper
41 100
39 53.4 55.4 83.0#
67 62.0 59.0 88.6
52 26.6 25.4 38.0

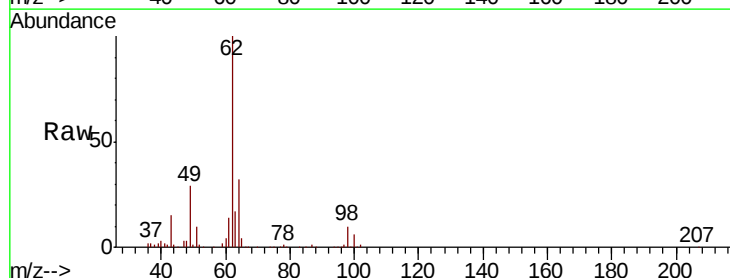


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

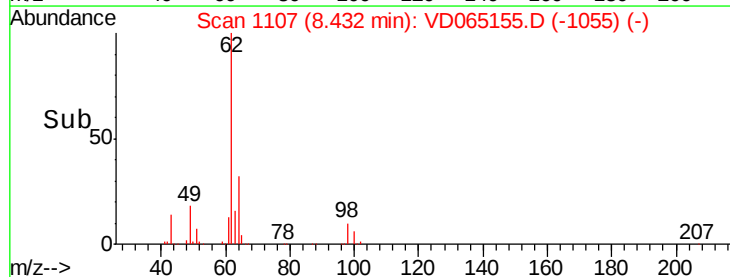
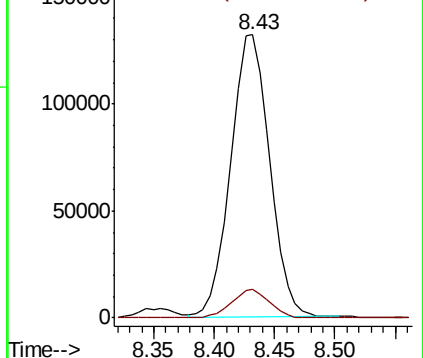


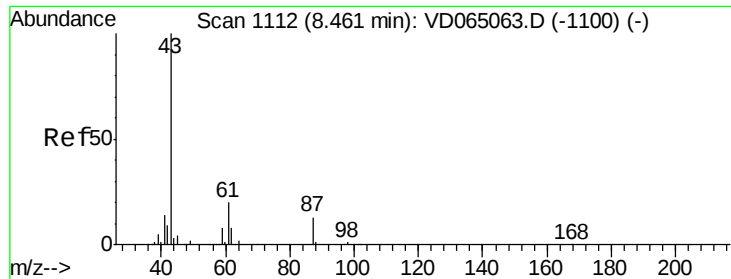
#42
1,2-Dichloroethane
Concen: 56.279 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 62 Resp: 296781
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC

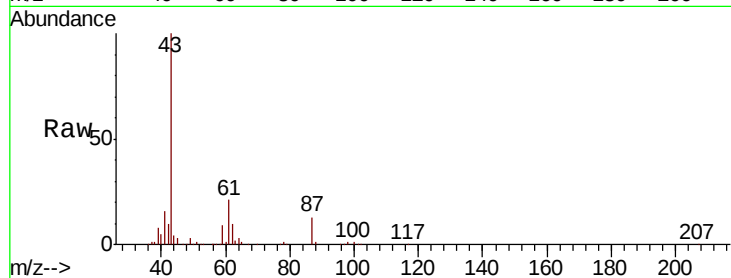




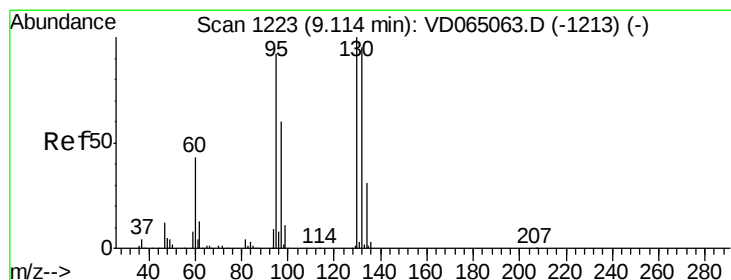
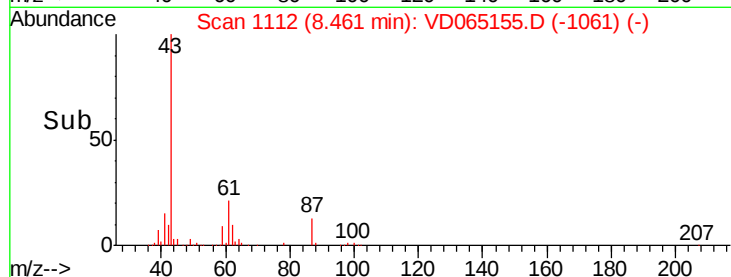
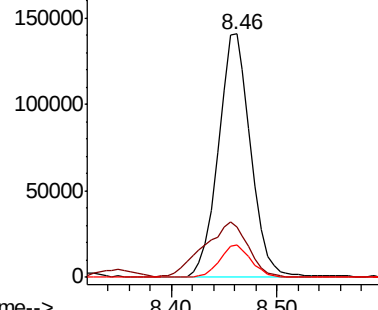
#43
Isopropyl Acetate
Concen: 57.156 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	43	Resp	299356
Ion Ratio	Lower	Upper	
43	100		
61	31.4	24.0	36.0
87	12.9	10.2	15.4

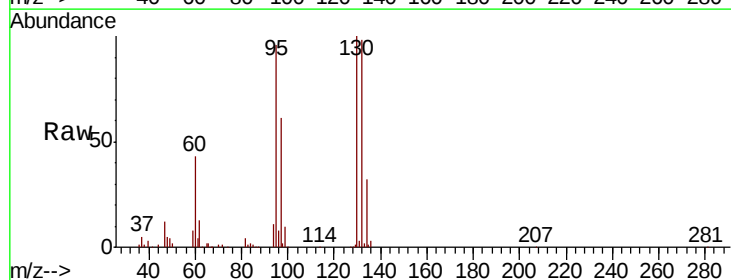


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

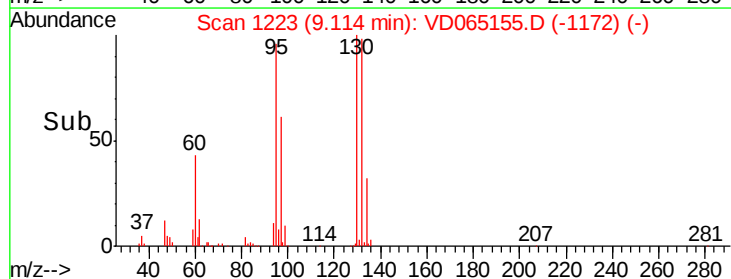
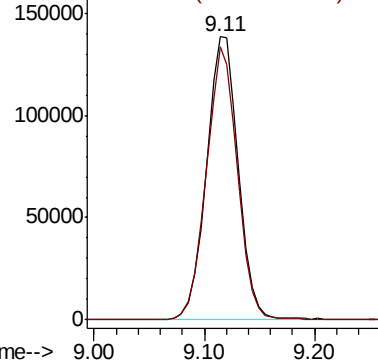


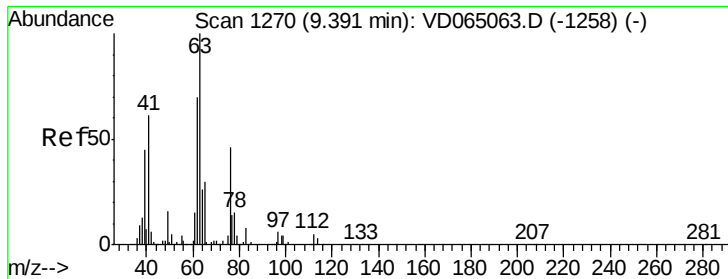
#44
Trichloroethene
Concen: 52.606 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	130	Resp	279454
Ion Ratio	Lower	Upper	
130	100		
95	96.3	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: 58.127 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

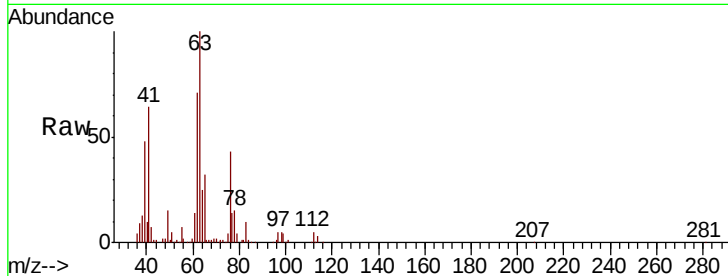
ClientSampled :

Tot Ion: 63 Resp: 257928

Ion Ratio Lower Upper

63 100

65 31.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

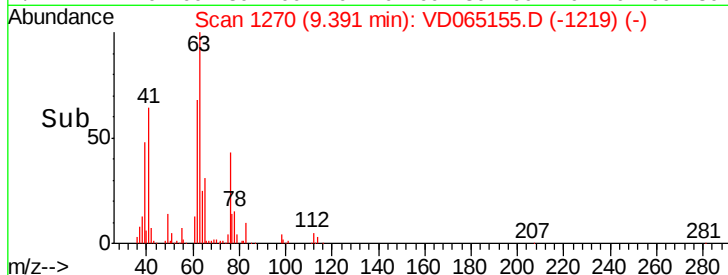
150000

100000

50000

0

Time-->



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

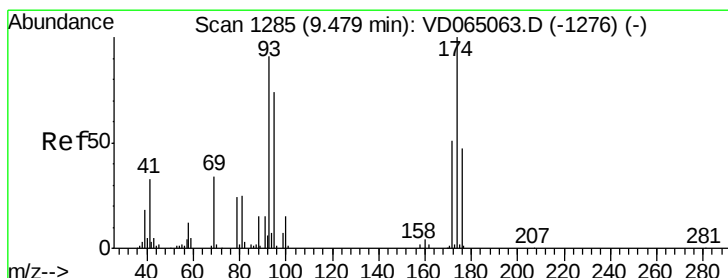
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 59.015 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

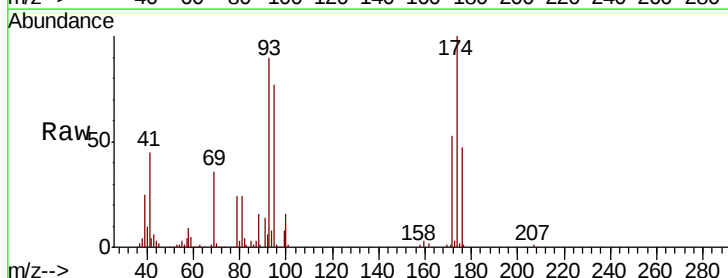
Tgt Ion: 93 Resp: 137606

Ion Ratio Lower Upper

93 100

95 82.6 66.5 99.7

174 110.6 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

100000

80000

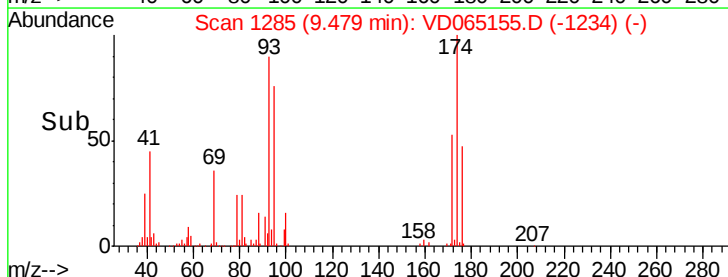
60000

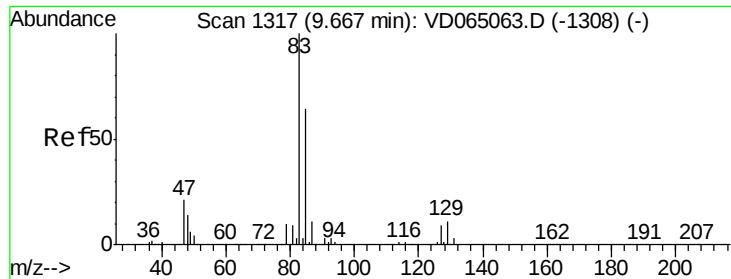
40000

20000

0

Time-->

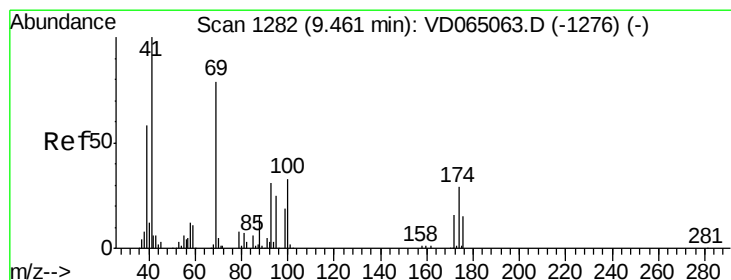
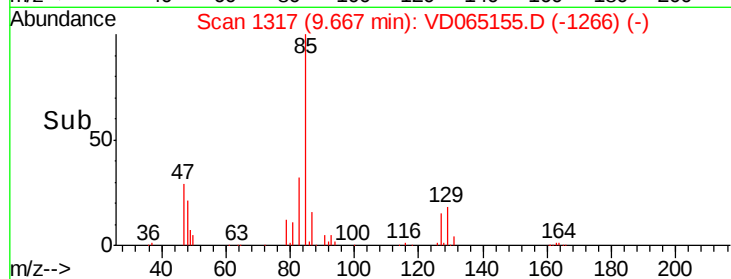
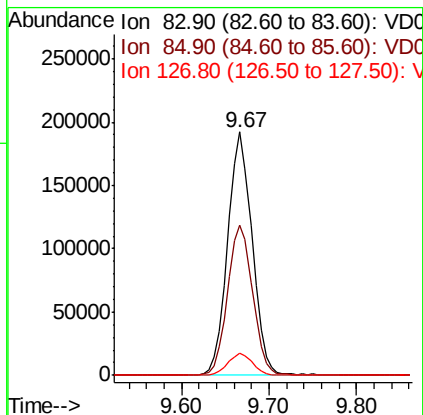
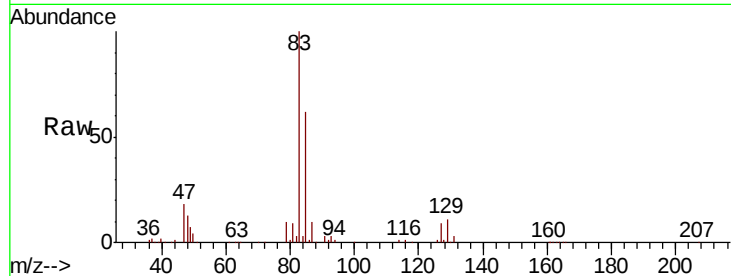




#47
Bromodichloromethane
Concen: 59.352 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

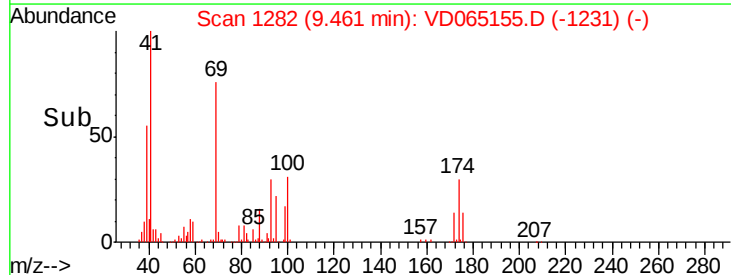
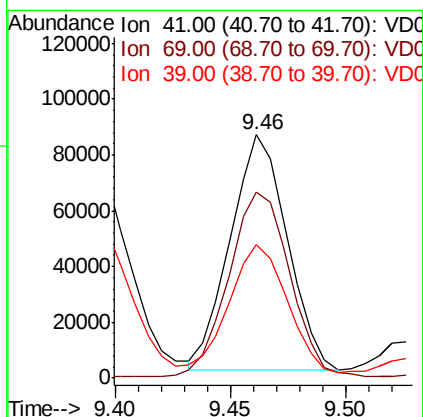
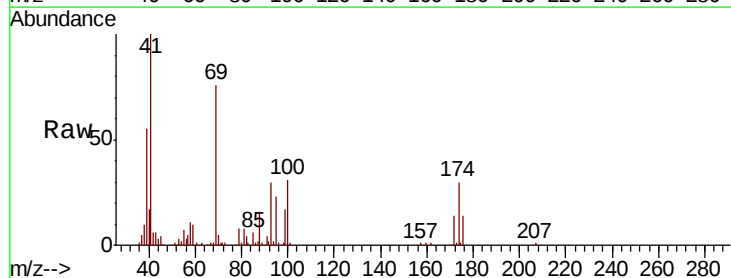
Instrument :
MSVOA_D
ClientSampled :

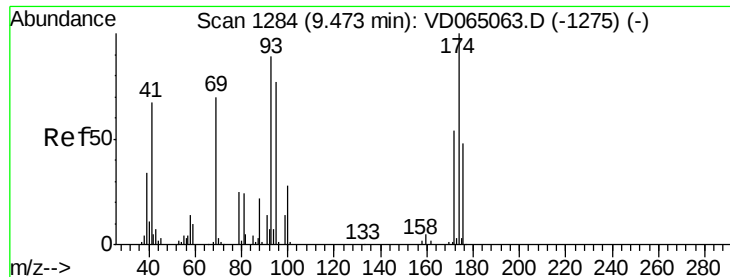
Tot Ion	83	Resp	364645
Ion Ratio	100		
Lower	51.0		
Upper	76.6		
85	61.6		
127	8.9		
	7.3		
	10.9		



#48
Methyl methacrylate
Concen: 57.262 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	41	Resp	144319
Ion Ratio	100		
Lower	67.5		
Upper	101.3		
69	86.1		
39	60.5		
	47.0		
	70.4		

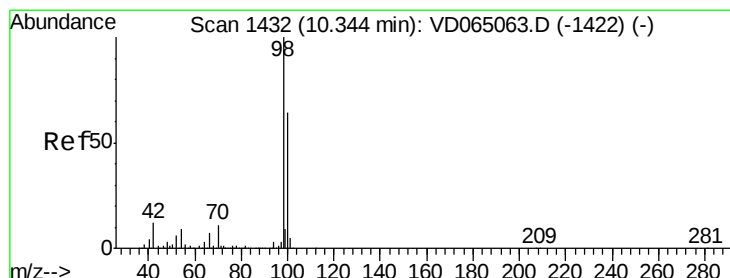
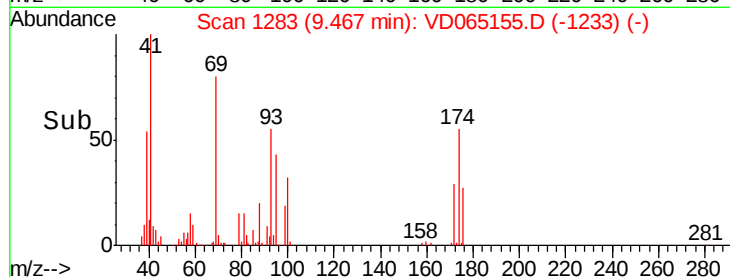
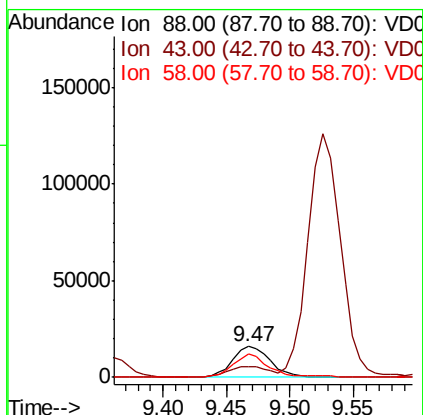
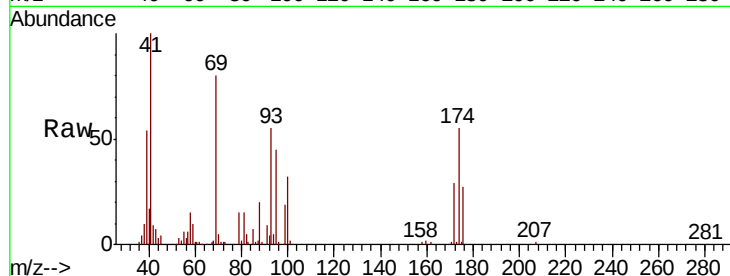




#49
1,4-Dioxane
Concen: 1199.899 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

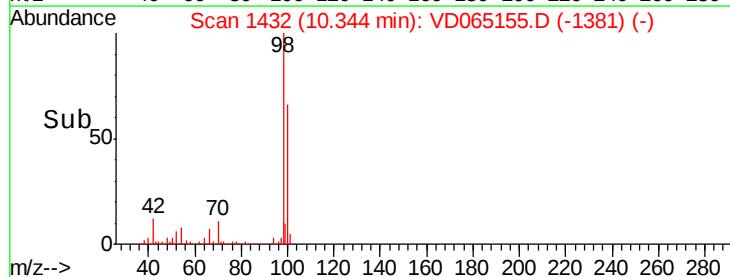
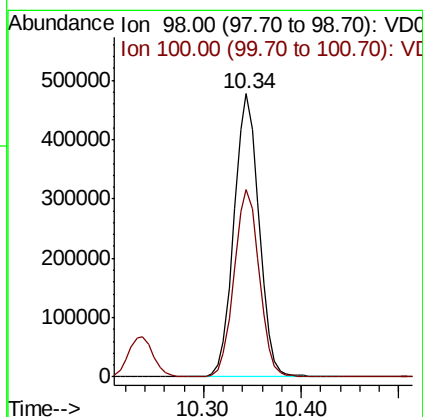
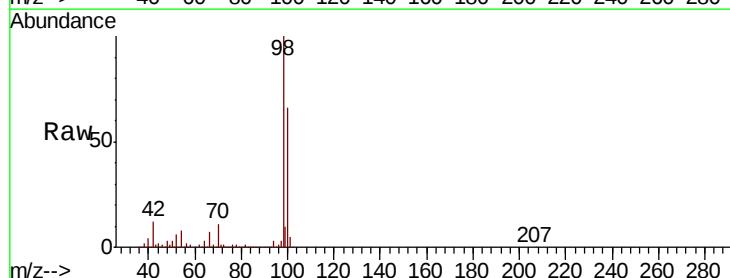
Instrument :
MSVOA_D
ClientSampleId :

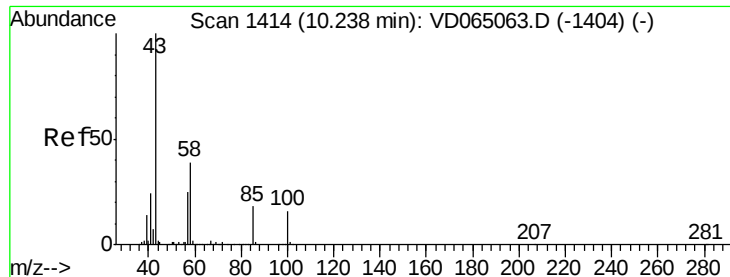
Tot Ion: 88 Resp: 33138
Ion Ratio Lower Upper
88 100
43 36.1 27.7 41.5
58 69.6 55.5 83.3



#50
Toluene-d8
Concen: 53.158 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 98 Resp: 850857
Ion Ratio Lower Upper
98 100
100 66.5 52.1 78.1

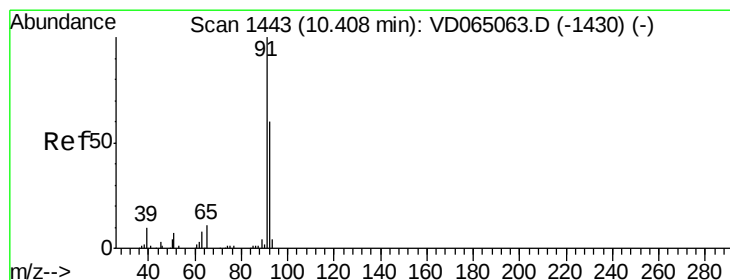
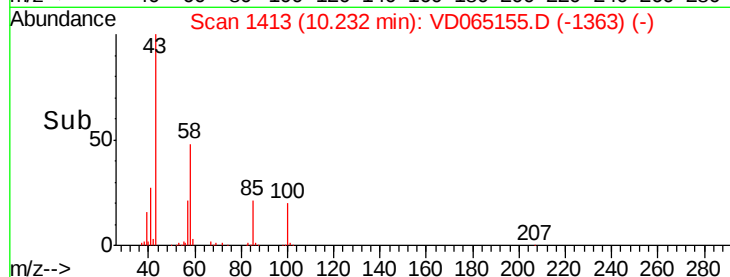
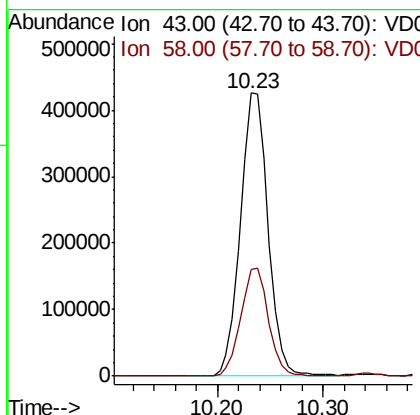
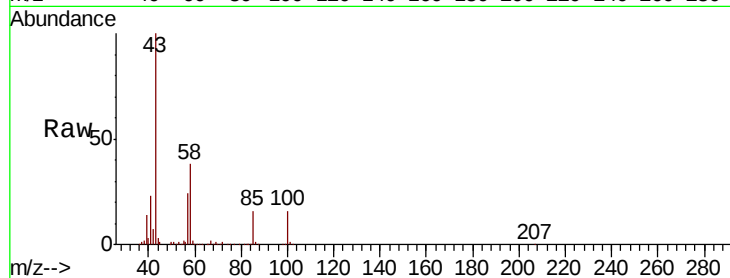




#51
 4-Methyl-2-Pentanone
 Concen: 300.217 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

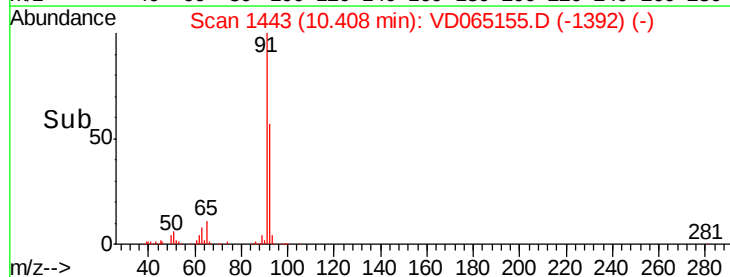
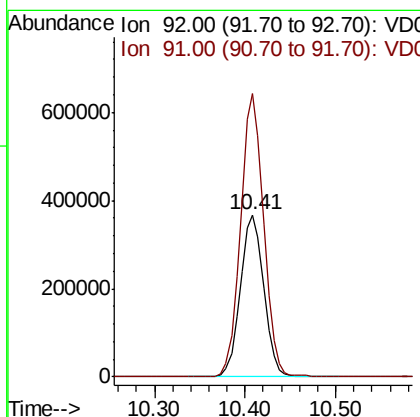
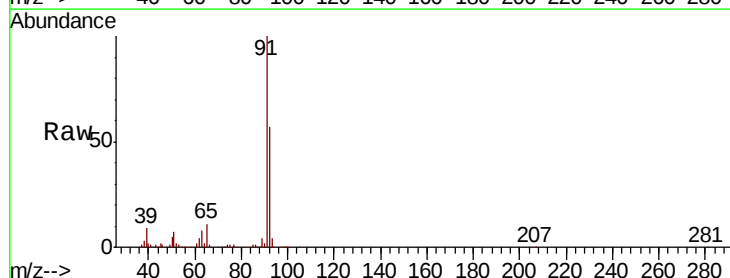
Instrument :
 MSVOA_D
 ClientSampleID :

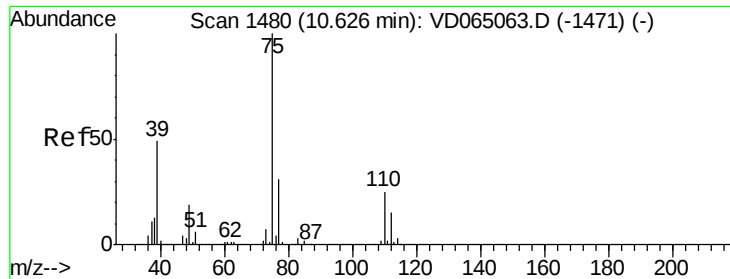
Tot Ion: 43 Resp: 773966
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.2 45.2



#52
 Toluene
 Concen: 55.862 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion: 92 Resp: 659848
 Ion Ratio Lower Upper
 92 100
 91 172.2 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 57.656 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

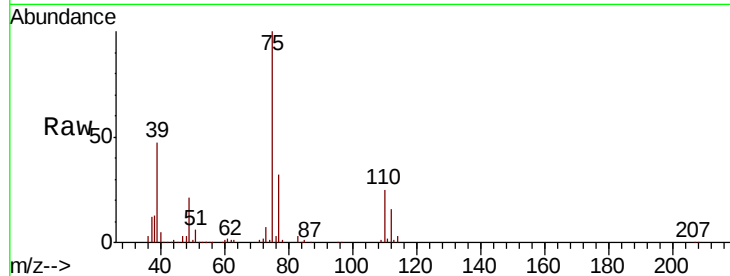
ClientSampled :

Tot Ion: 75 Resp: 344886

Ion Ratio Lower Upper

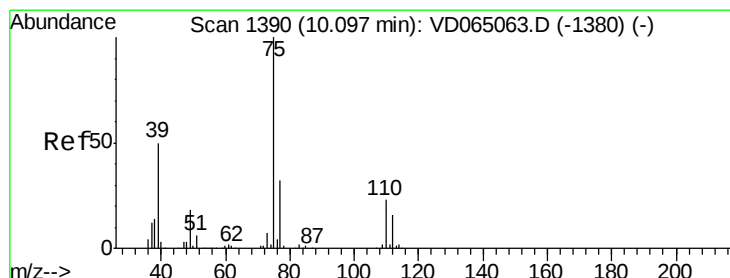
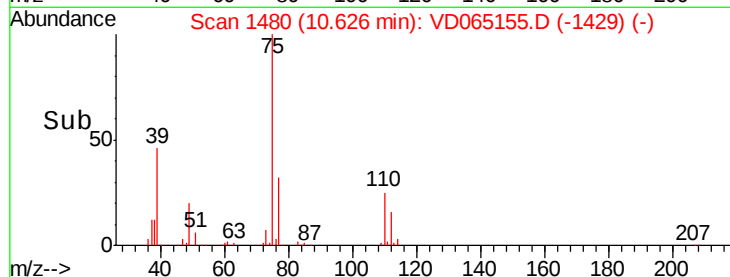
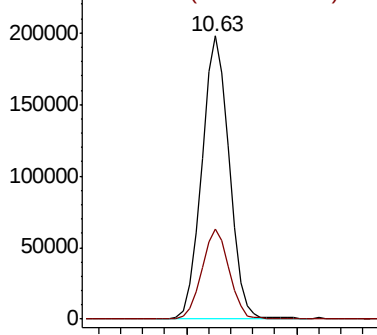
75 100

77 31.7 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 57.335 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

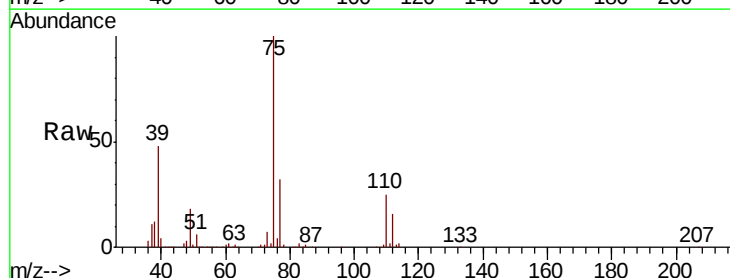
Tgt Ion: 75 Resp: 410190

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

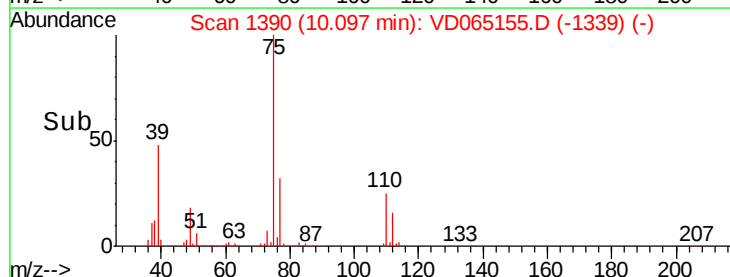
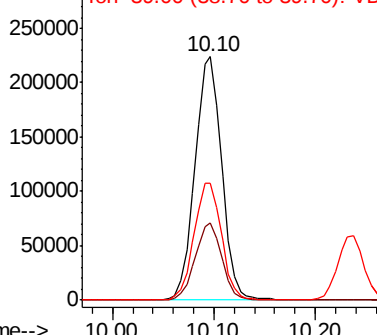
39 48.0 40.3 60.5

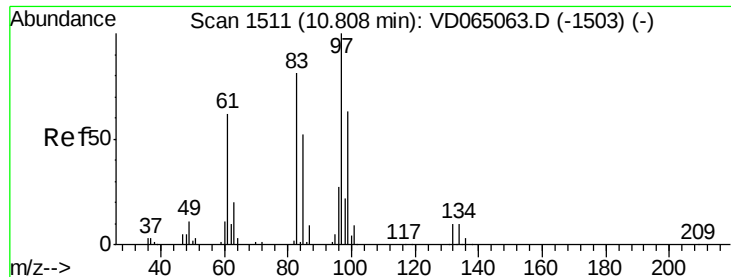


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

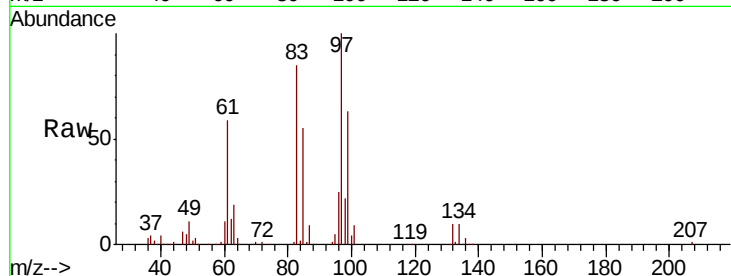




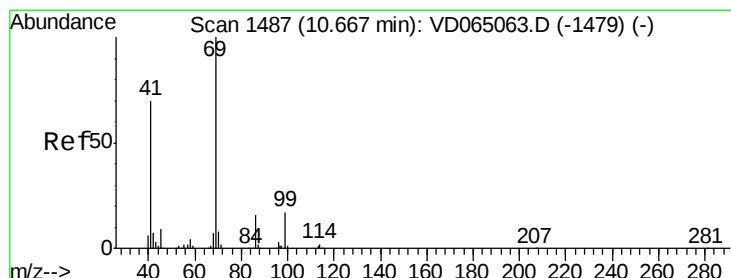
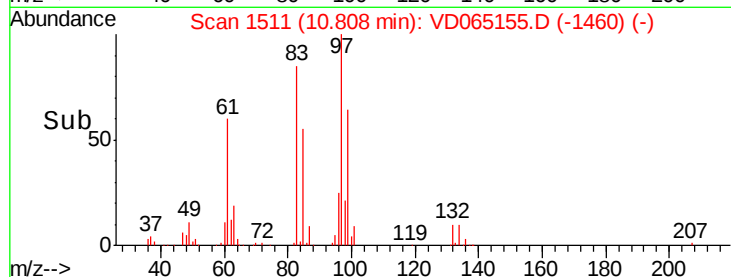
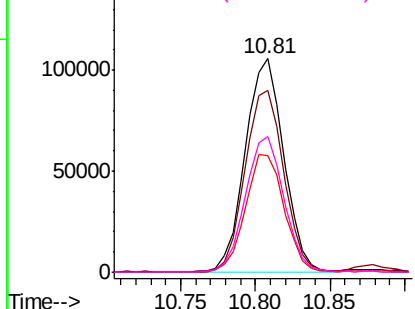
#55
 1,1,2-Trichloroethane
 Concen: 59.071 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	188925
Ion	Ratio	Lower	Upper
97	100		
83	84.9	64.8	97.2
85	54.8	41.2	61.8
99	63.5	50.3	75.5

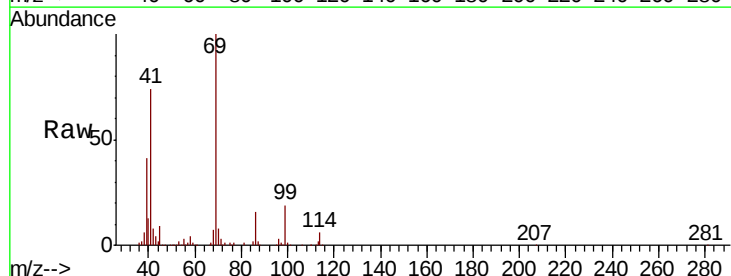


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

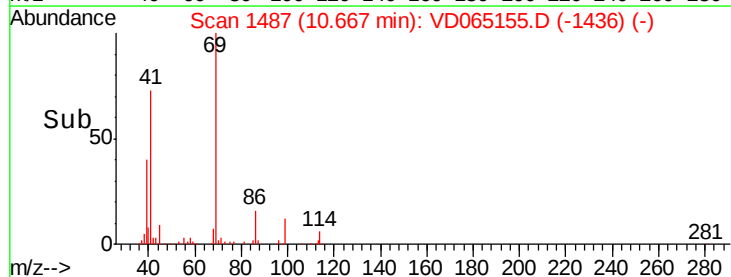
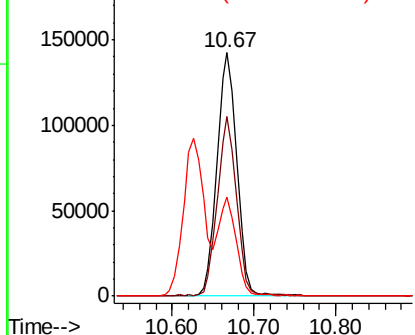


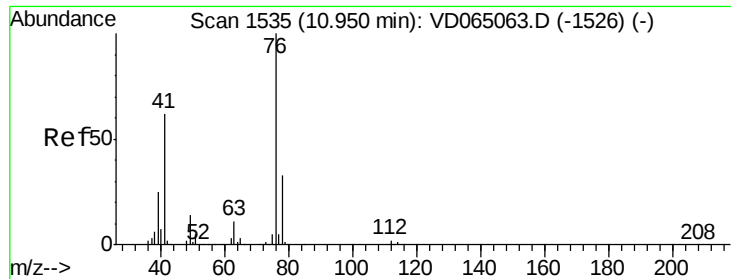
#56
 Ethyl methacrylate
 Concen: 59.854 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion:	69	Resp:	242212
Ion	Ratio	Lower	Upper
69	100		
41	72.0	55.9	83.9
39	35.3	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: 58.106 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

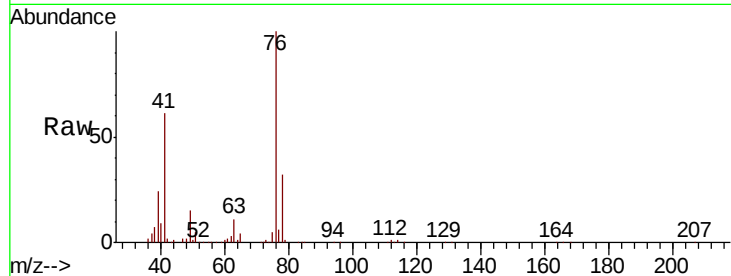
ClientSampleId :

Tot Ion: 76 Resp: 326781

Ion Ratio Lower Upper

76 100

78 33.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

200000

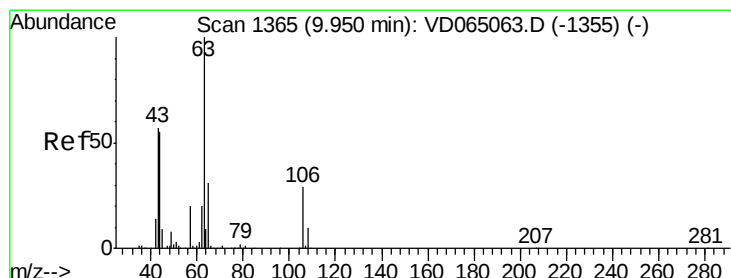
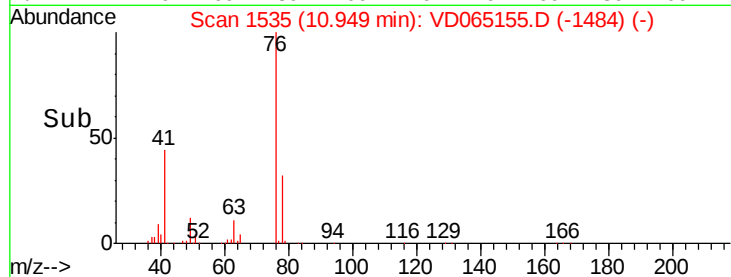
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 252.399 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065155.D

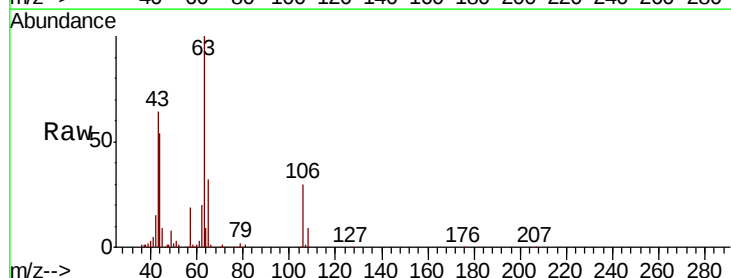
Acq: 11 Feb 2020 20:27

Tgt Ion: 63 Resp: 329768

Ion Ratio Lower Upper

63 100

106 28.7 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

200000

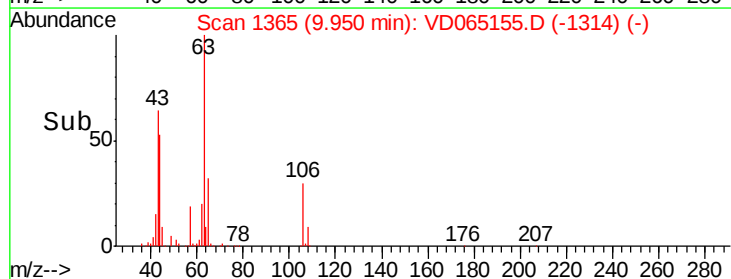
150000

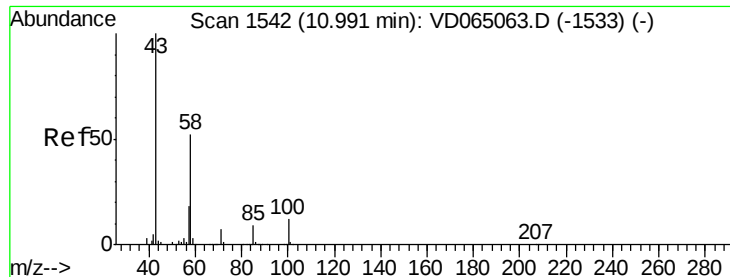
100000

50000

0

Time-->

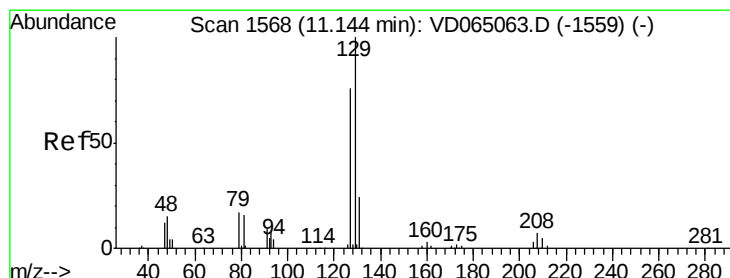
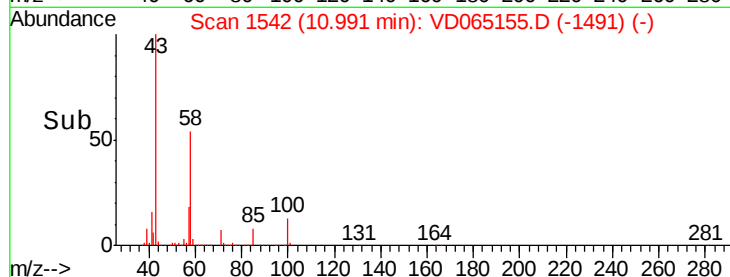
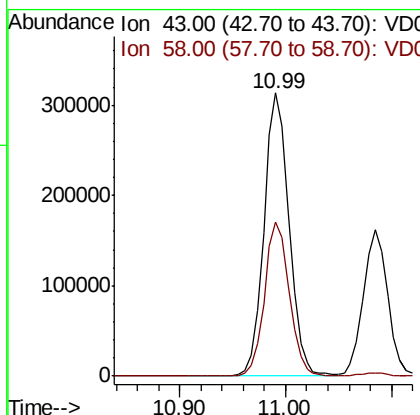
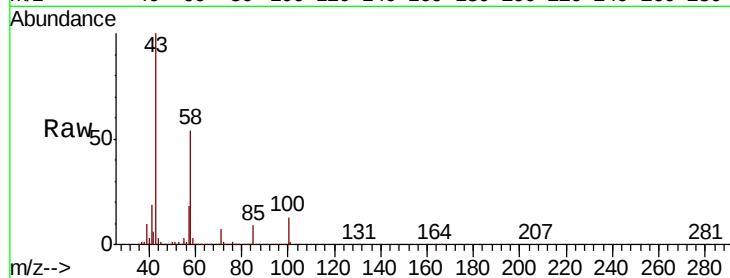




#59
2-Hexanone
Concen: 283.511 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

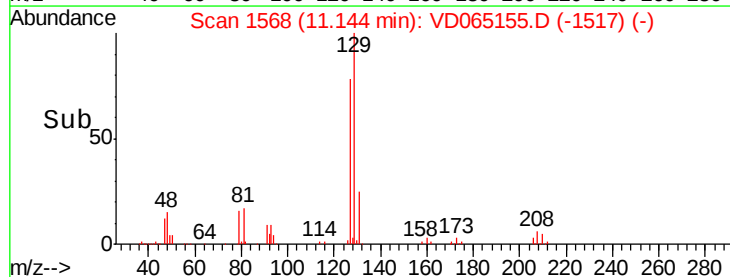
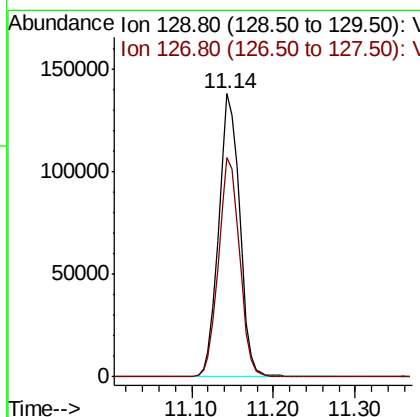
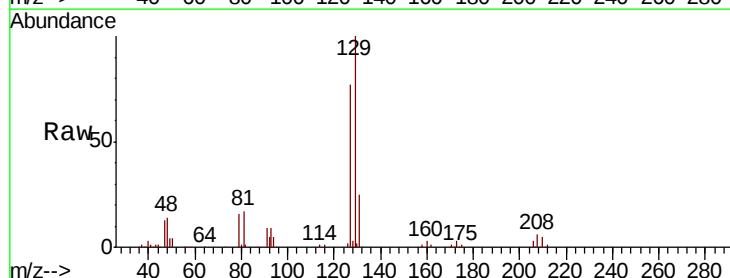
Instrument :
MSVOA_D
ClientSampleId :

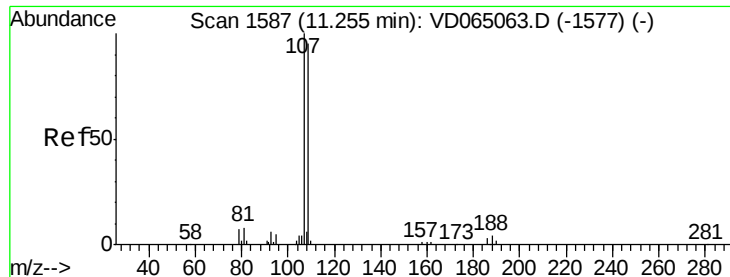
Tot Ion: 43 Resp: 517711
Ion Ratio Lower Upper
43 100
58 53.6 26.2 78.6



#60
Dibromochloromethane
Concen: 59.825 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 129 Resp: 247827
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9

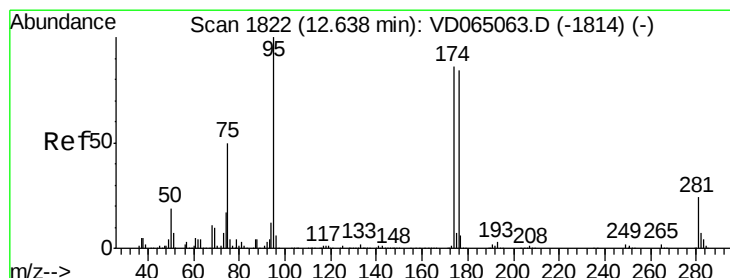
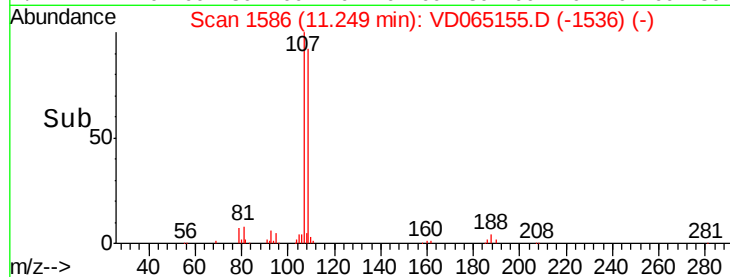
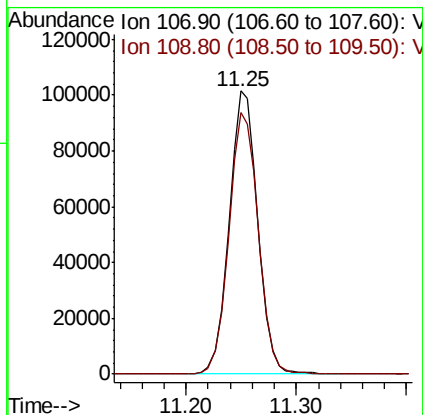
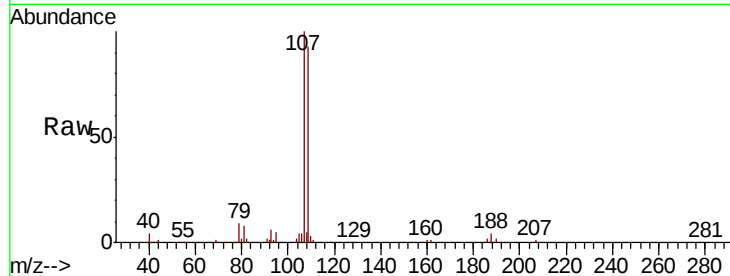




#61
 1,2-Dibromoethane
 Concen: 58.647 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

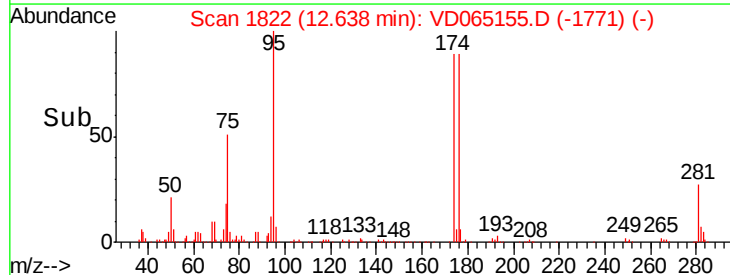
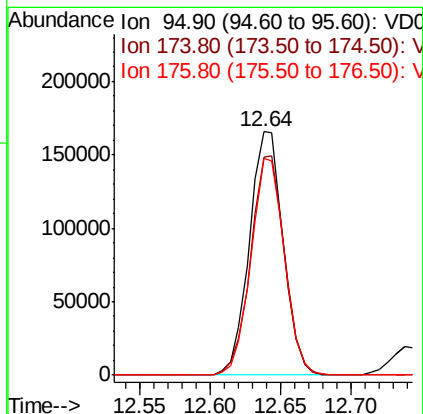
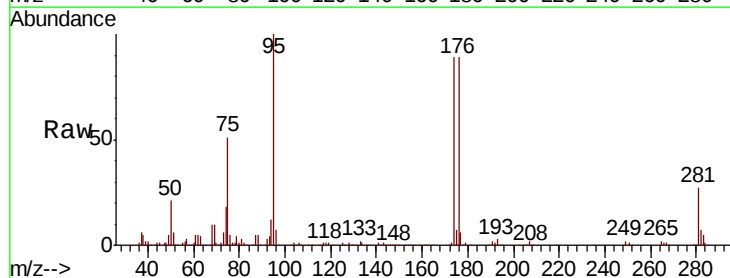
Instrument :
 MSVOA_D
 ClientSampled :

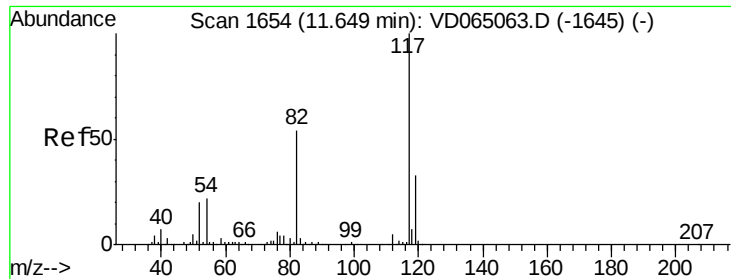
Tot Ion: 107 Resp: 183276
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 55.073 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion: 95 Resp: 279317
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 180.0
 176 88.0 0.0 173.2

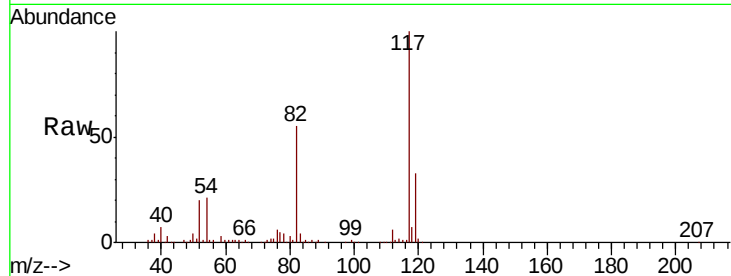




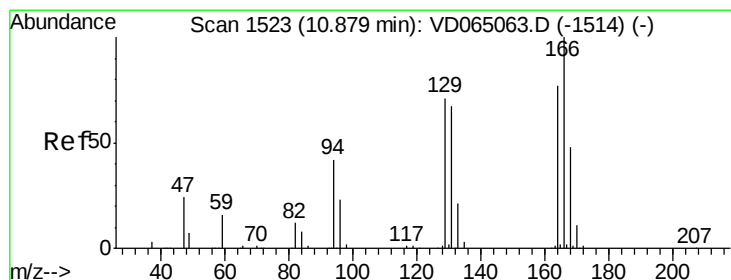
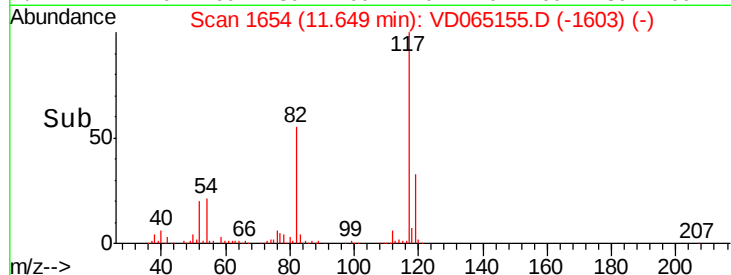
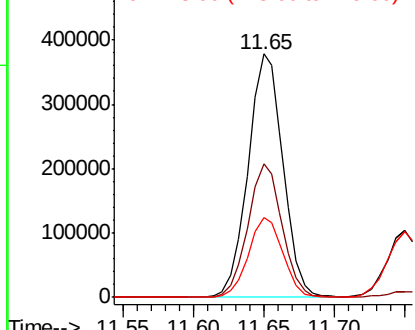
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 657127
Ion Ratio Lower Upper
117 100
82 54.8 43.1 64.7
119 32.8 26.0 39.0

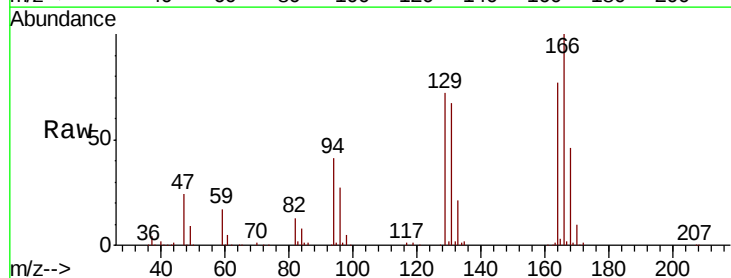


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

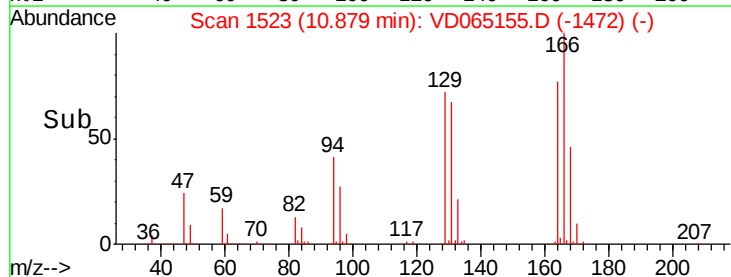
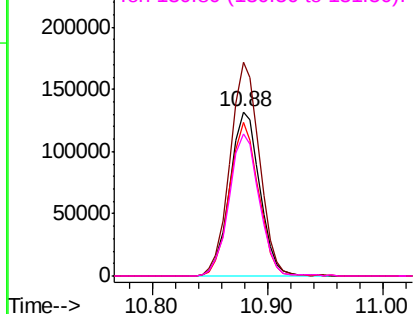


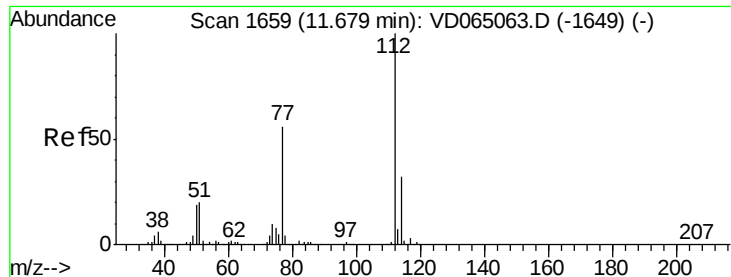
#64
Tetrachloroethene
Concen: 50.221 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion:164 Resp: 237135
Ion Ratio Lower Upper
164 100
166 130.4 103.5 155.3
129 93.4 73.3 109.9
131 86.9 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

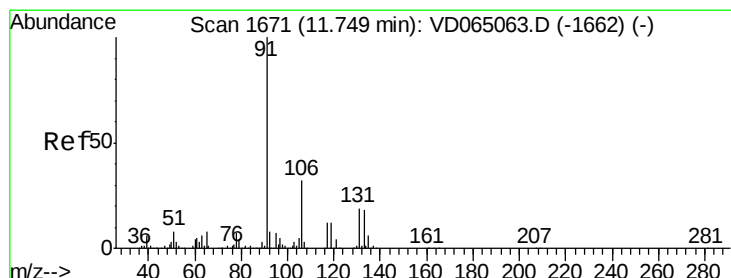
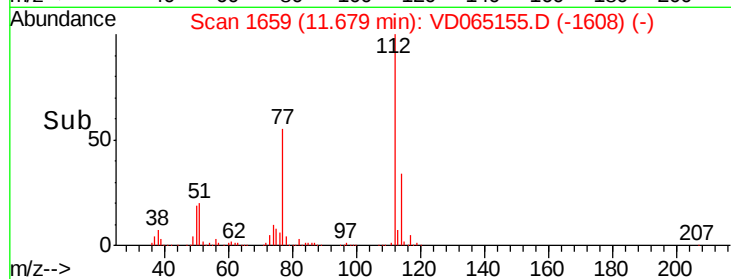
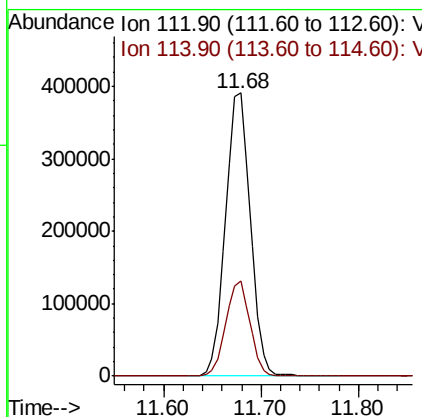
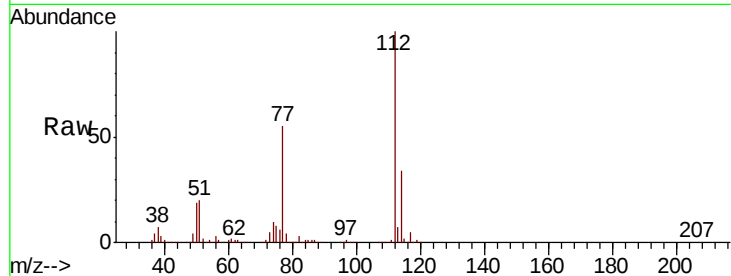




#65
Chlorobenzene
Concen: 54.484 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

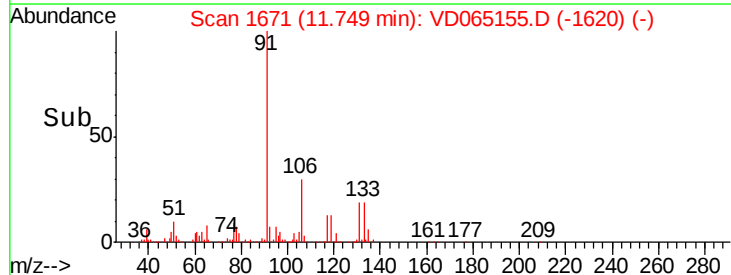
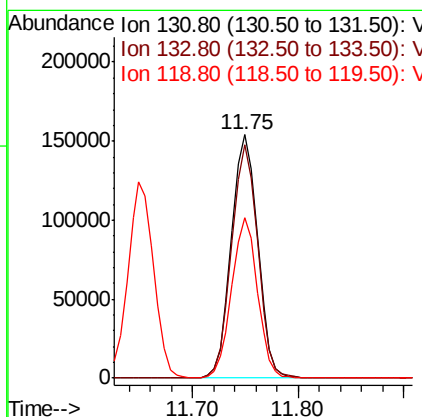
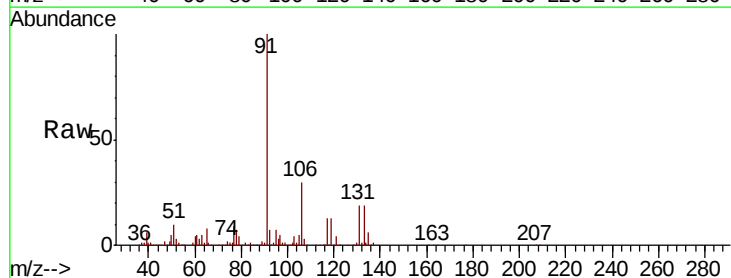
Instrument :
MSVOA_D
ClientSampled :

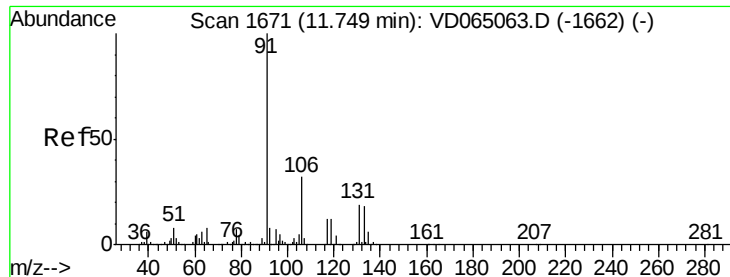
Tot Ion:112 Resp: 692490
Ion Ratio Lower Upper
112 100
114 33.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 56.795 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion:131 Resp: 266420
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 64.6 31.3 93.8





#67

Ethyl Benzene

Concen: 54.100 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

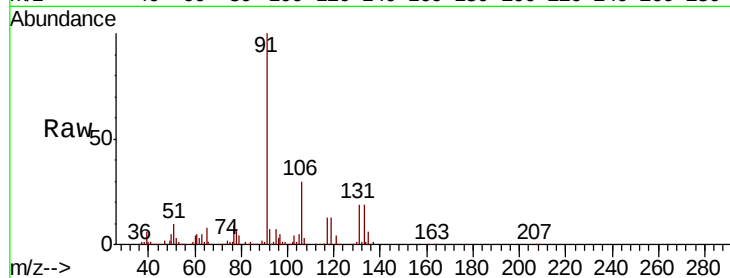
ClientSampleId :

Tot Ion: 91 Resp: 1249248

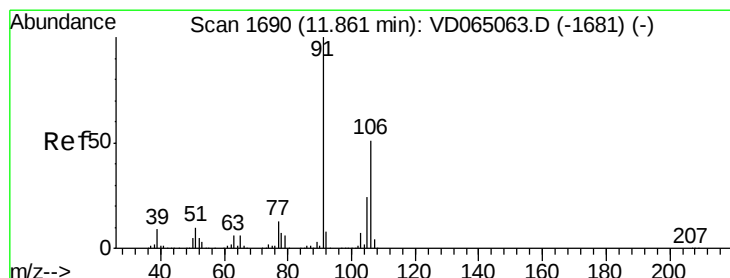
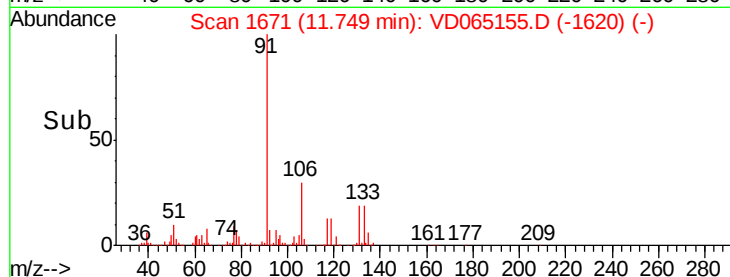
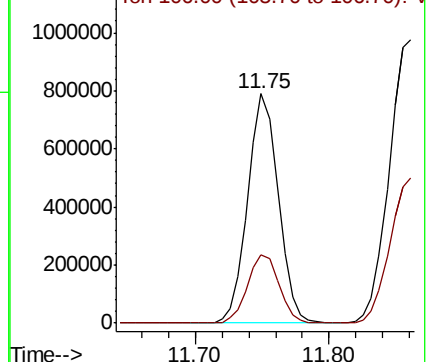
Ion Ratio Lower Upper

91 100

106 29.9 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 108.545 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065155.D

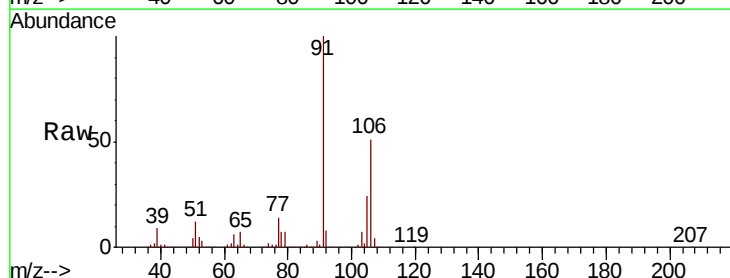
Acq: 11 Feb 2020 20:27

Tgt Ion: 106 Resp: 956646

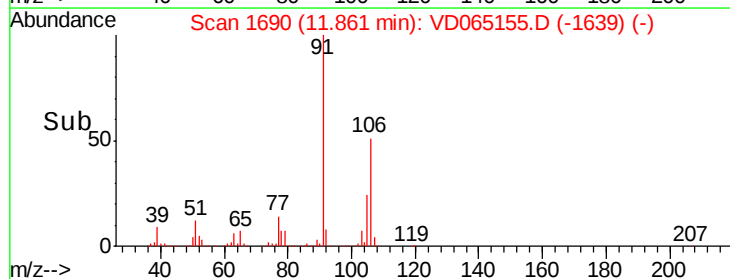
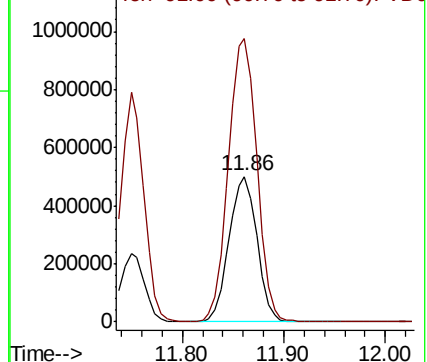
Ion Ratio Lower Upper

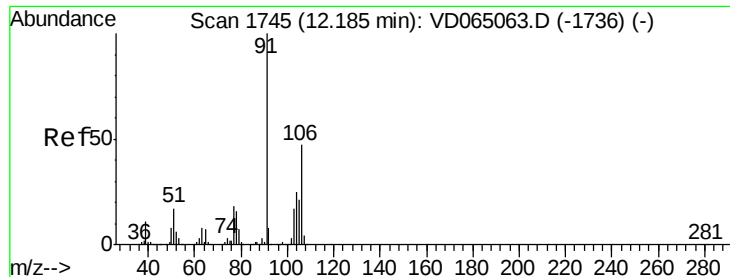
106 100

91 198.8 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

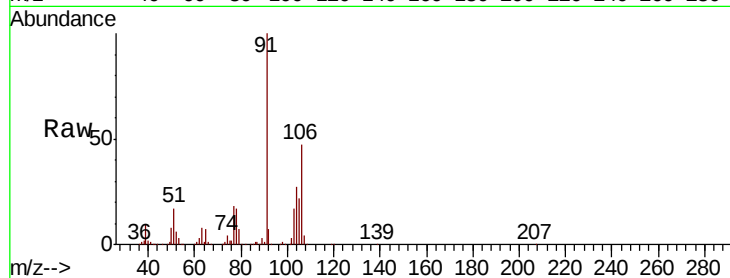




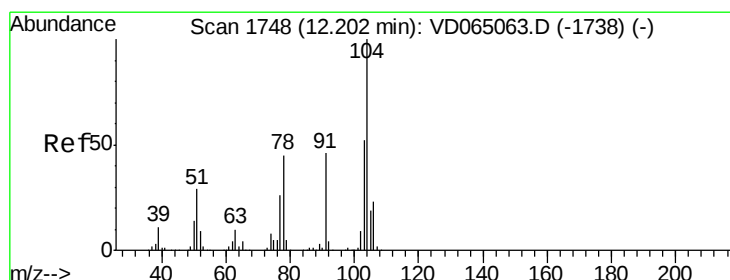
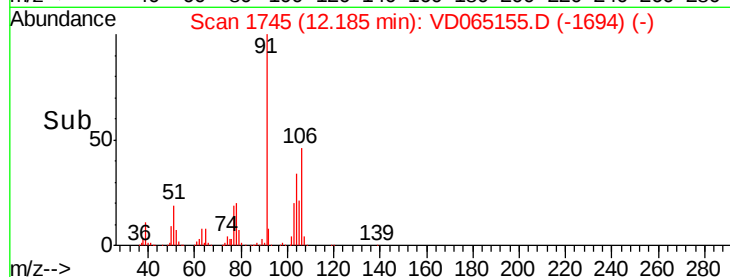
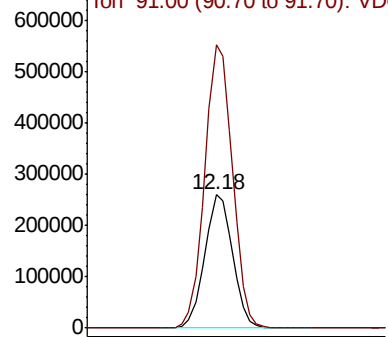
#69
o-Xylene
Concen: 54.756 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 434575
Ion Ratio Lower Upper
106 100
91 211.7 104.7 313.9

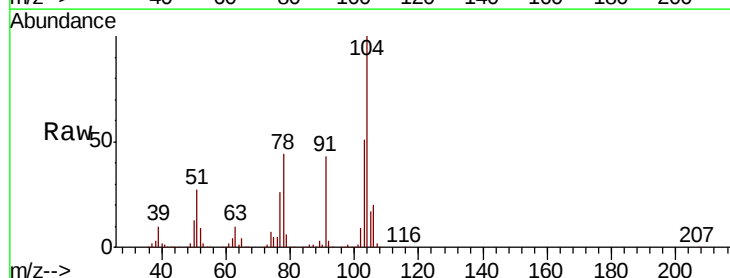


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

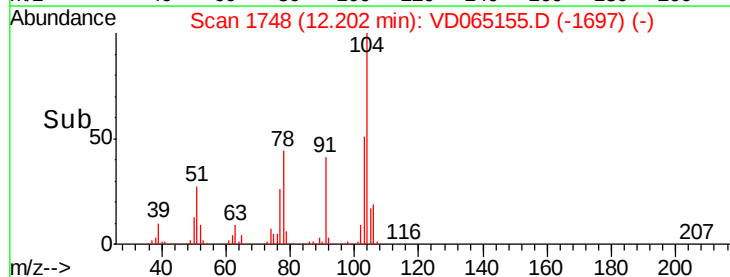
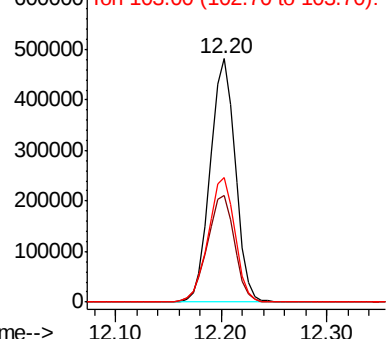


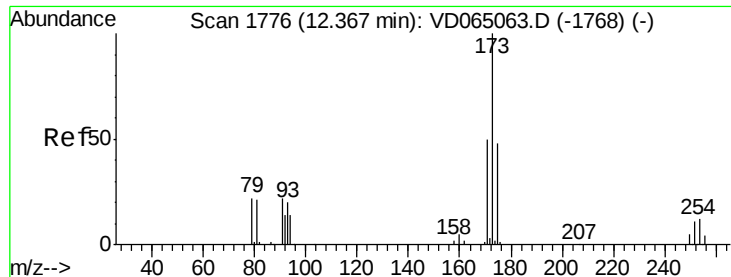
#70
Styrene
Concen: 57.237 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion:104 Resp: 789517
Ion Ratio Lower Upper
104 100
78 47.5 38.5 57.7
103 54.3 43.8 65.8



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

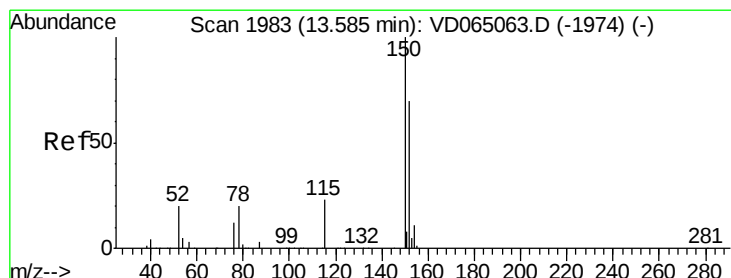
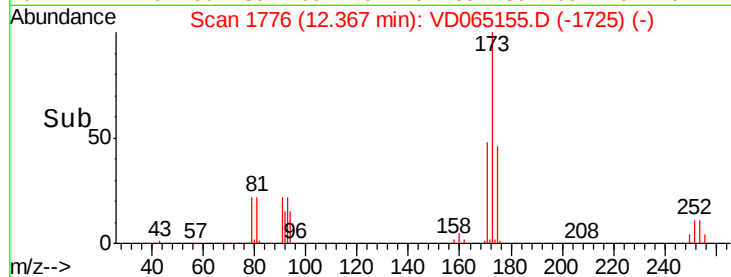
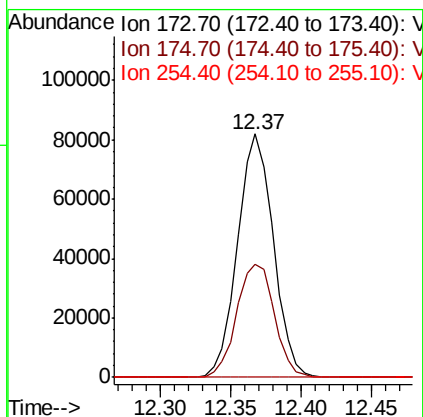
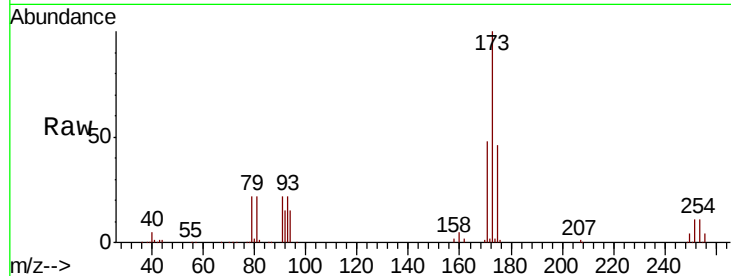




#71
Bromoform
Concen: 57.650 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

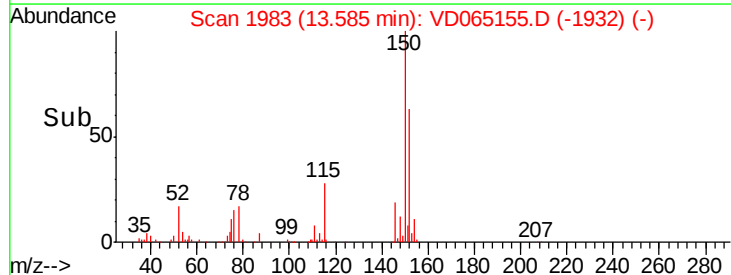
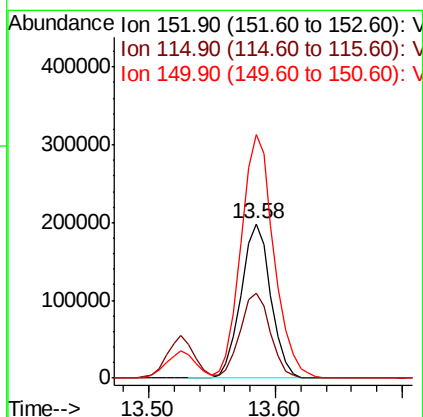
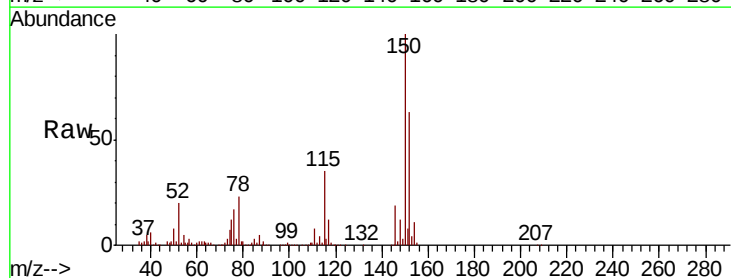
Instrument :
MSVOA_D
ClientSampled :

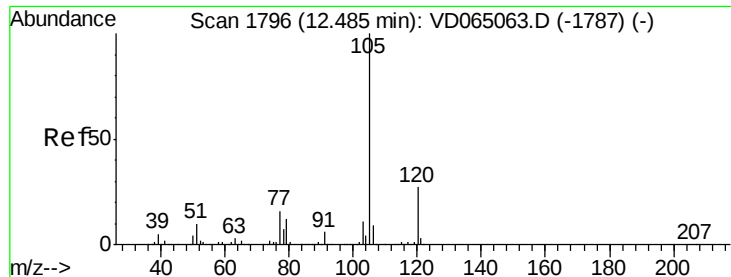
Tot Ion:173 Resp: 145561
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion:152 Resp: 321861
Ion Ratio Lower Upper
152 100
115 55.9 27.5 82.4
150 174.2 0.0 343.2





#73

Isopropylbenzene

Concen: 51.697 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

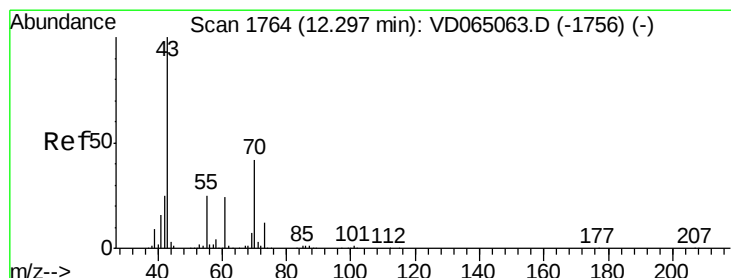
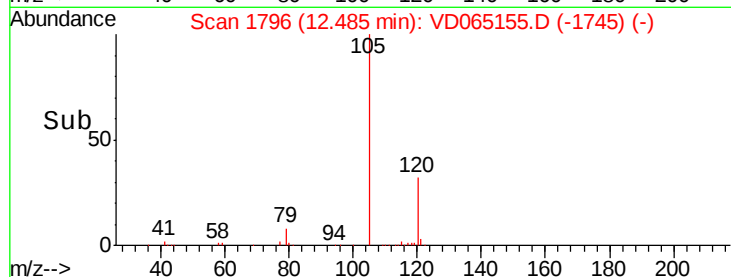
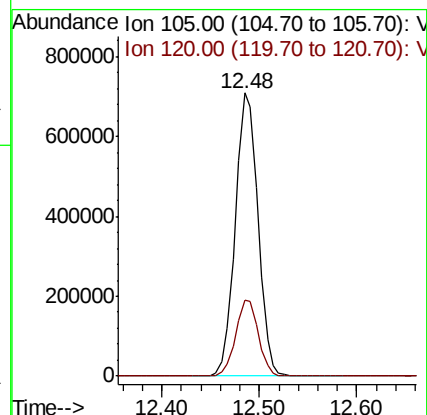
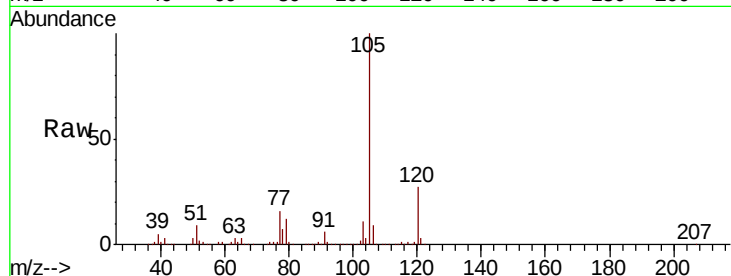
ClientSampleId :

Tot Ion:105 Resp: 1142055

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 57.361 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Tgt Ion: 43 Resp: 275430

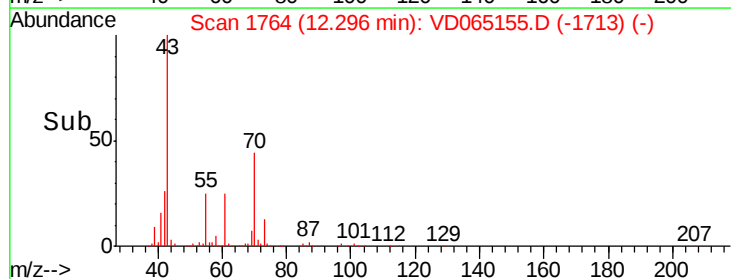
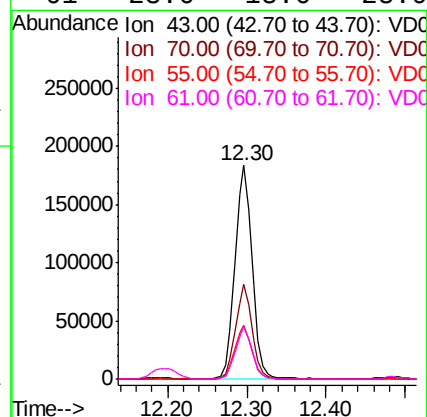
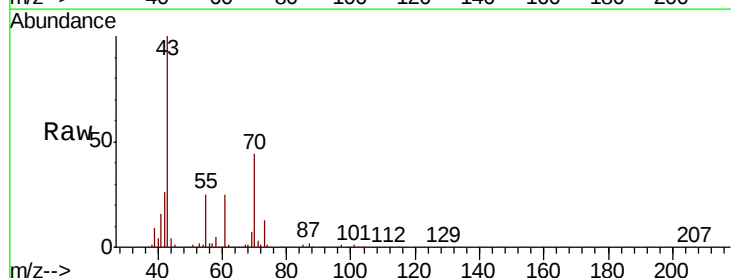
Ion Ratio Lower Upper

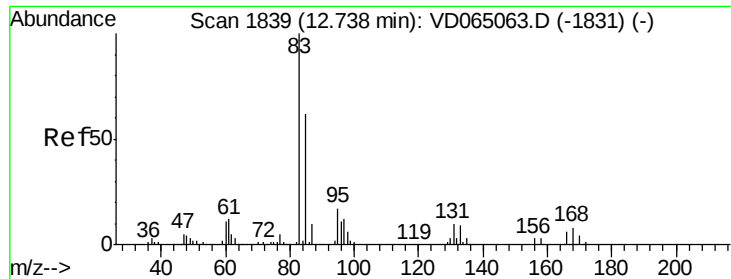
43 100

70 42.0 33.5 50.3

55 25.0 19.4 29.2

61 23.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.876 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

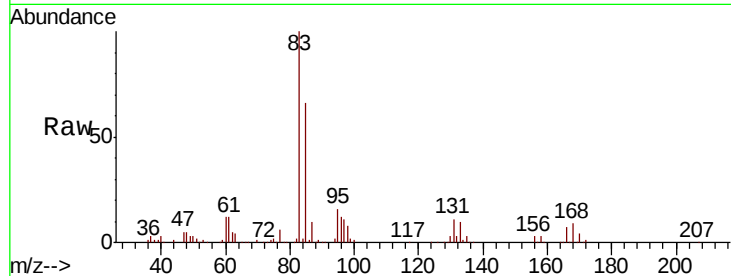
Tot Ion: 83 Resp: 197749

Ion Ratio Lower Upper

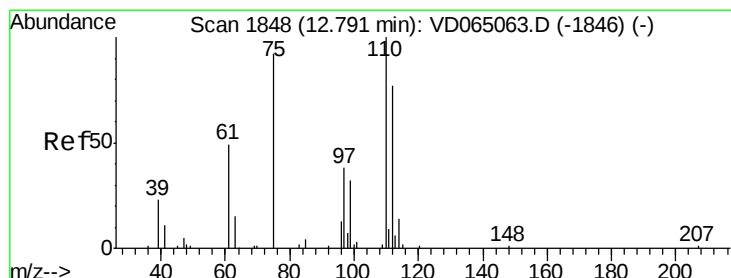
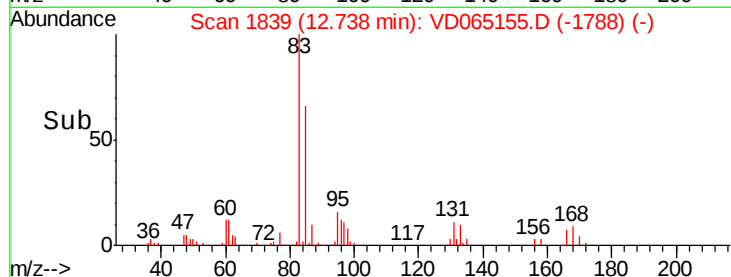
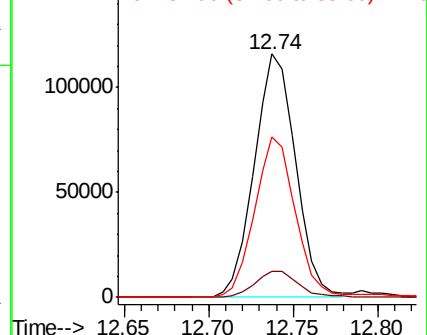
83 100

131 11.4 5.5 16.4

85 64.2 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: 107.396 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065155.D

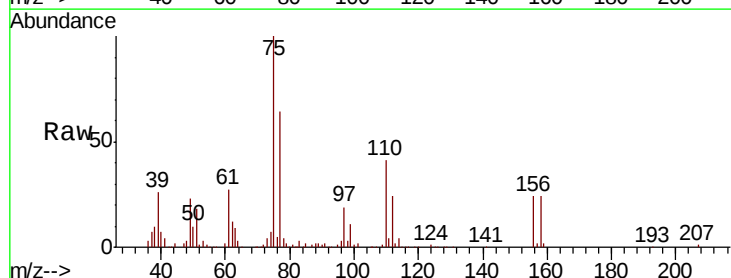
Acq: 11 Feb 2020 20:27

Tgt Ion: 75 Resp: 261705

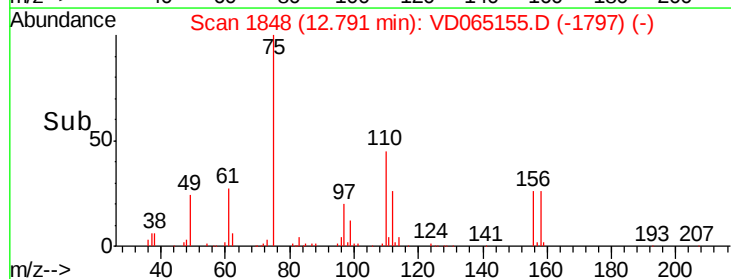
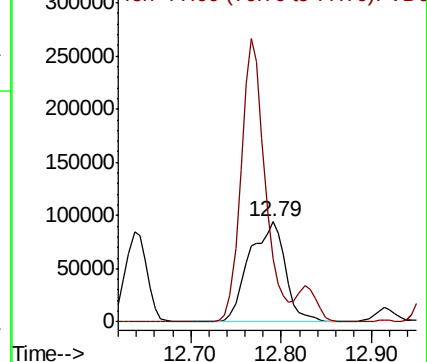
Ion Ratio Lower Upper

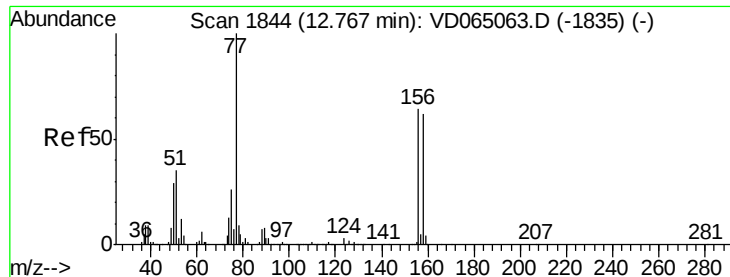
75 100

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: 53.575 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

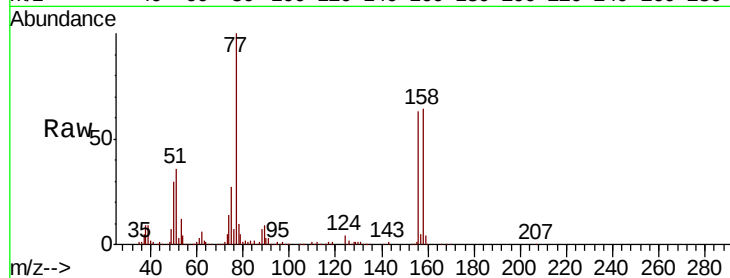
Tot Ion:156 Resp: 285157

Ion Ratio Lower Upper

156 100

77 172.3 85.6 256.8

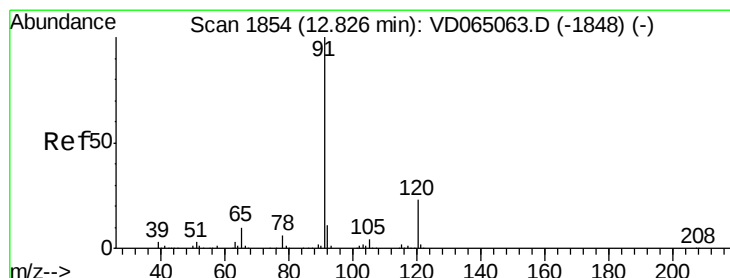
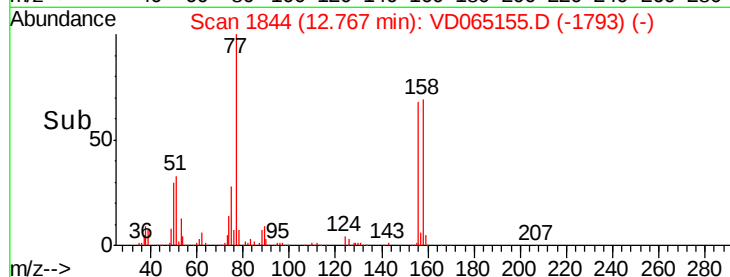
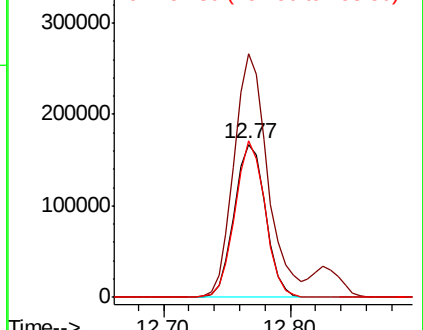
158 98.1 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.447 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065155.D

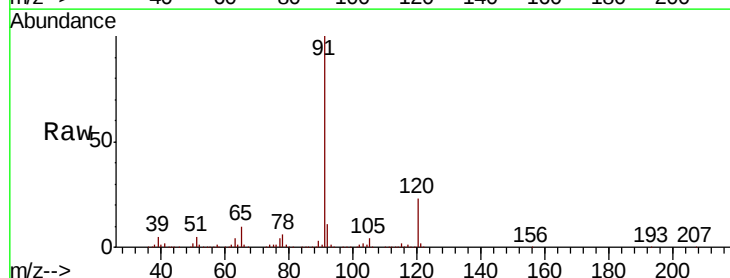
Acq: 11 Feb 2020 20:27

Tgt Ion: 91 Resp: 1356847

Ion Ratio Lower Upper

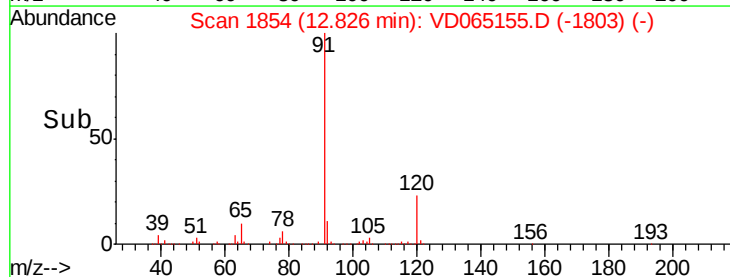
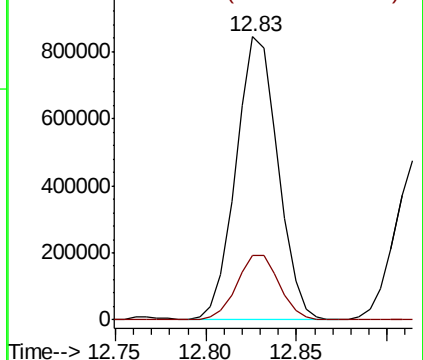
91 100

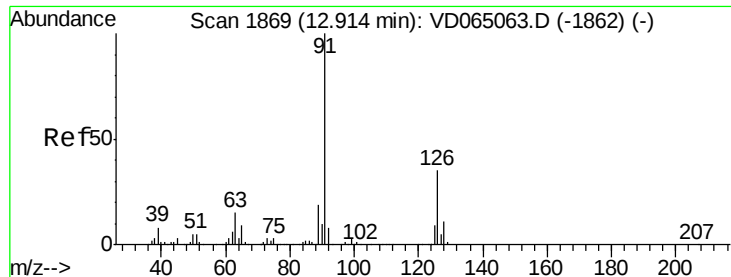
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.046 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

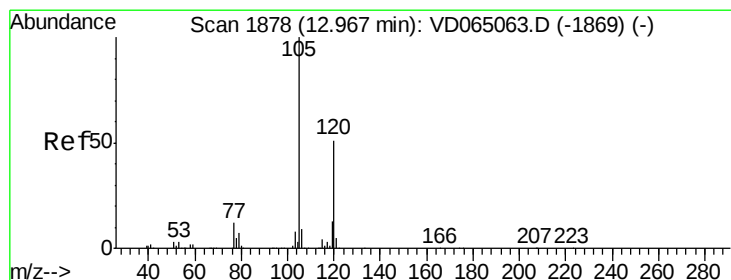
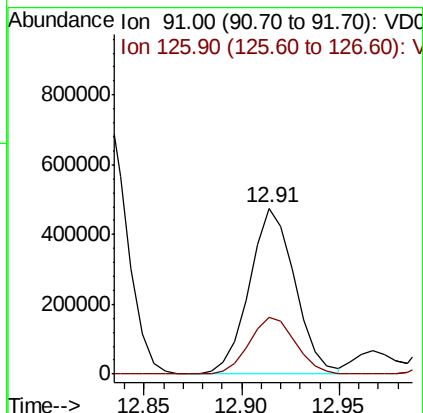
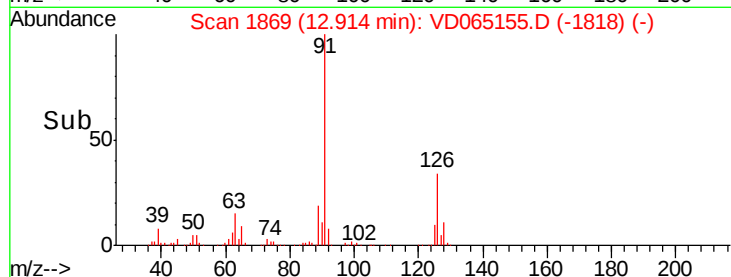
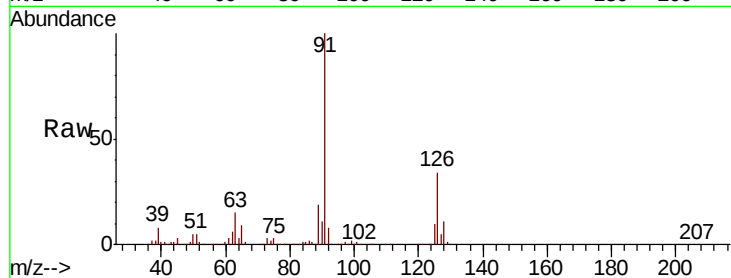
ClientSampleId :

Tot Ion: 91 Resp: 764962

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 52.934 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065155.D

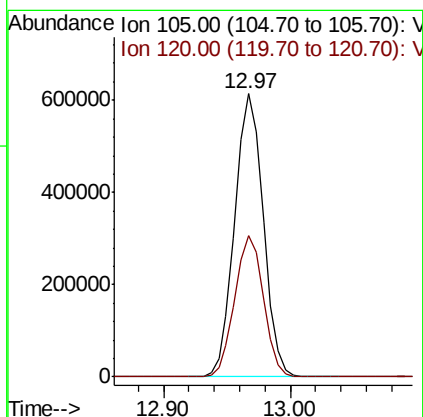
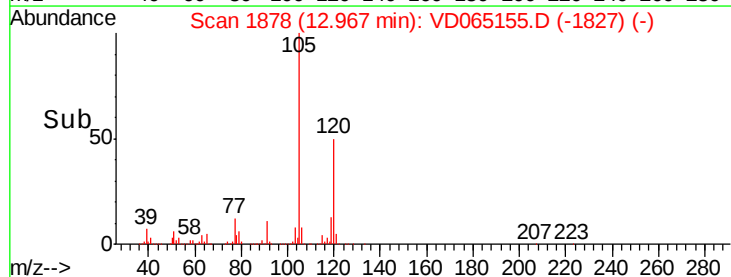
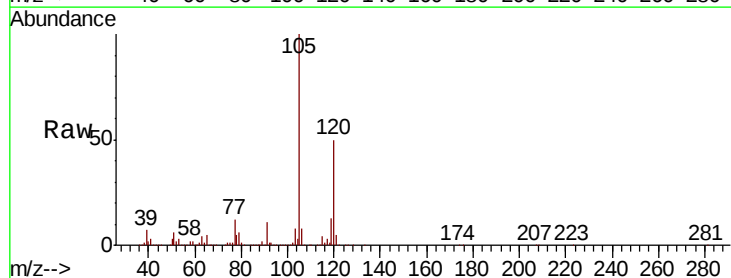
Acq: 11 Feb 2020 20:27

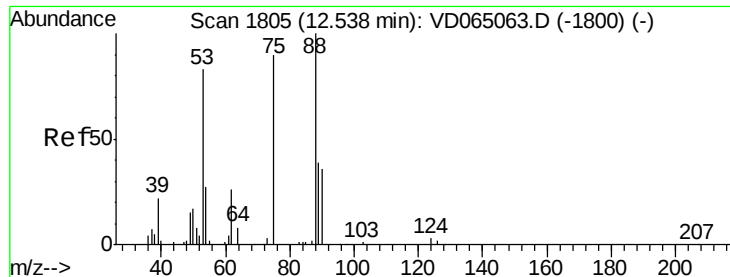
Tgt Ion:105 Resp: 956680

Ion Ratio Lower Upper

105 100

120 50.3 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.212 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

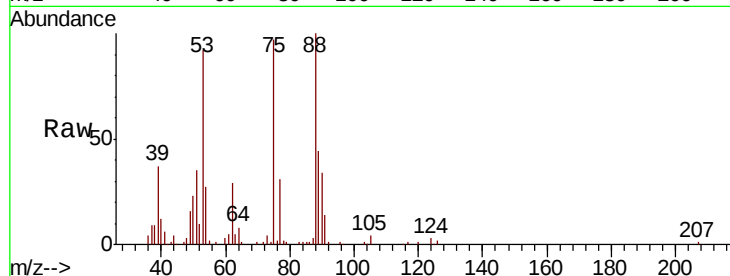
Tot Ion: 75 Resp: 66055

Ion Ratio Lower Upper

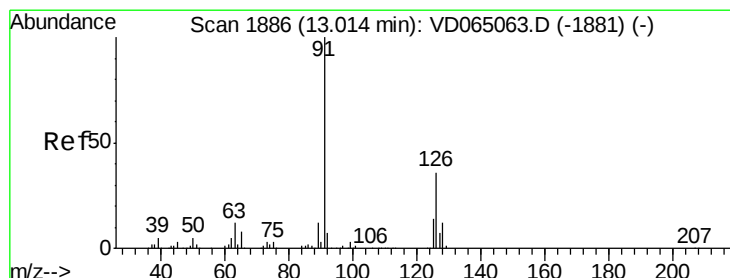
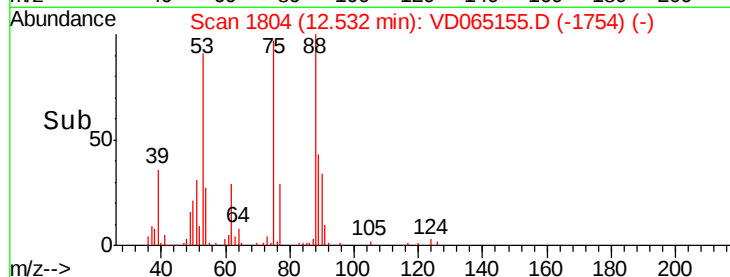
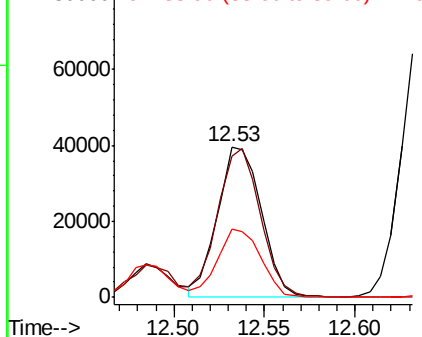
75 100

53 98.0 78.5 117.7

89 45.6 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: 53.292 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065155.D

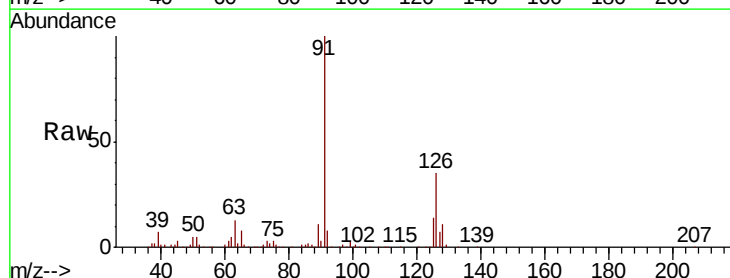
Acq: 11 Feb 2020 20:27

Tgt Ion: 91 Resp: 807126

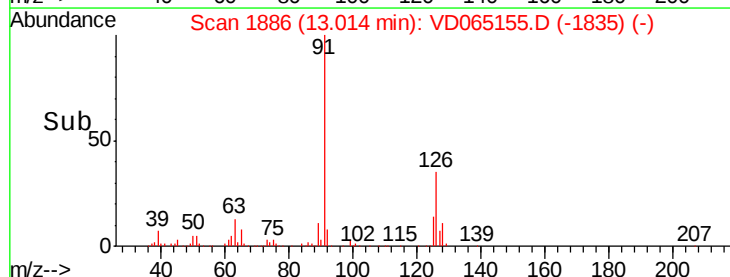
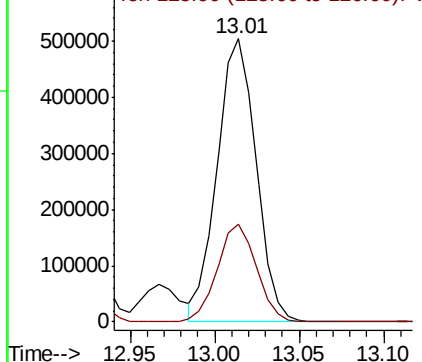
Ion Ratio Lower Upper

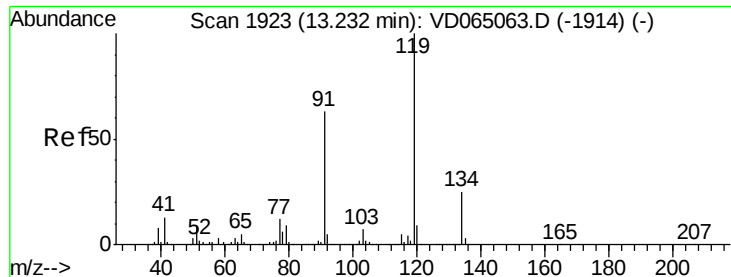
91 100

126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

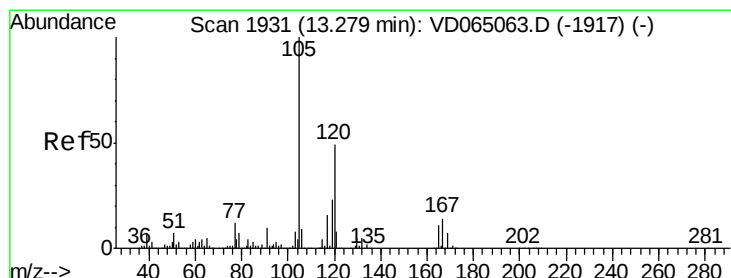
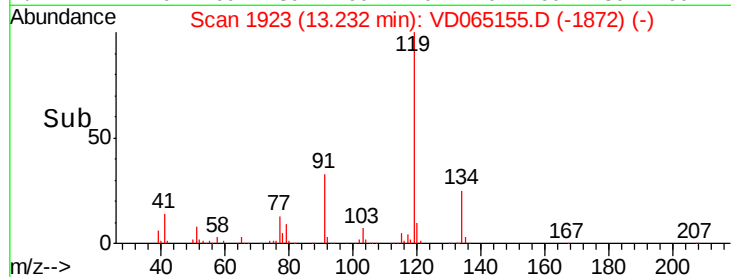
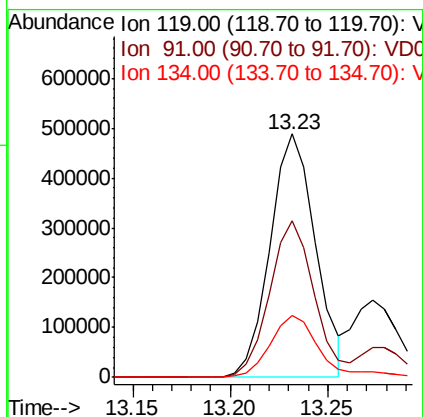
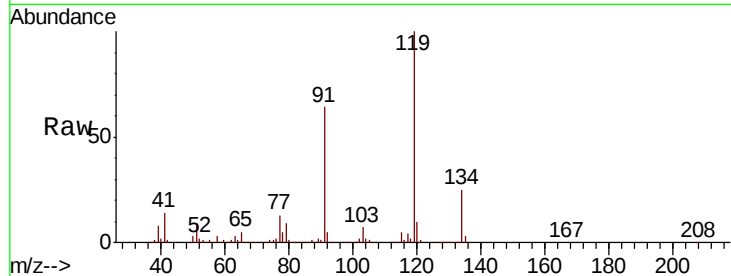




#83
tert-Butylbenzene
Concen: 50.494 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

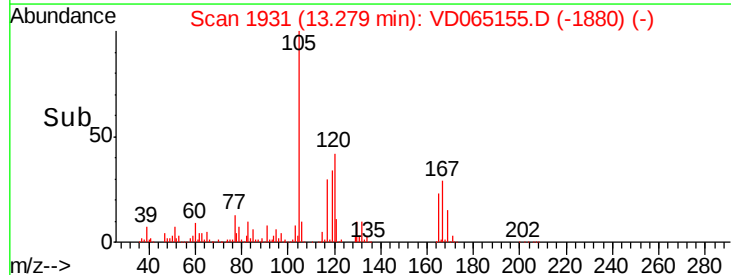
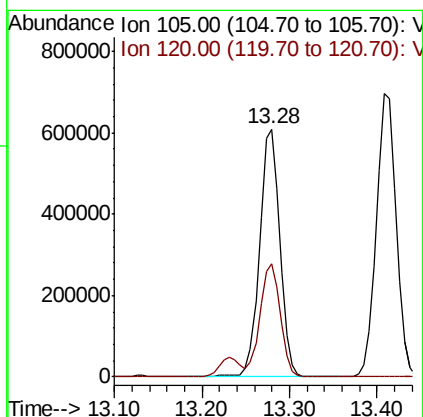
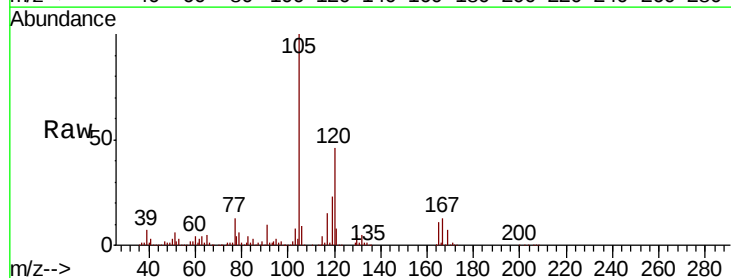
Instrument :
MSVOA_D
ClientSampled :

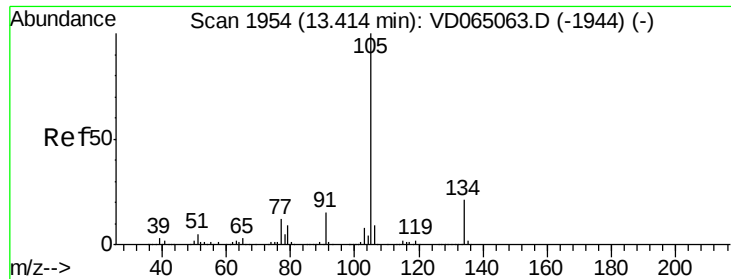
Tot Ion:119 Resp: 787315
Ion Ratio Lower Upper
119 100
91 63.4 32.3 96.9
134 27.6 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 54.112 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion:105 Resp: 970906
Ion Ratio Lower Upper
105 100
120 45.7 23.5 70.5

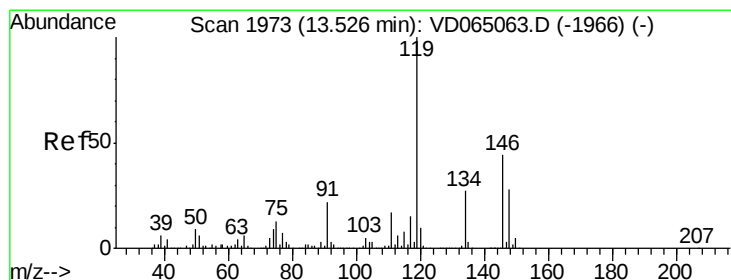
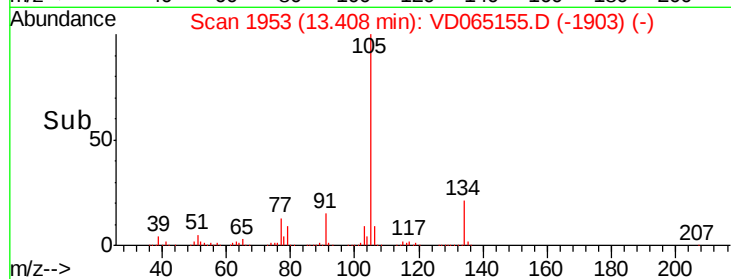
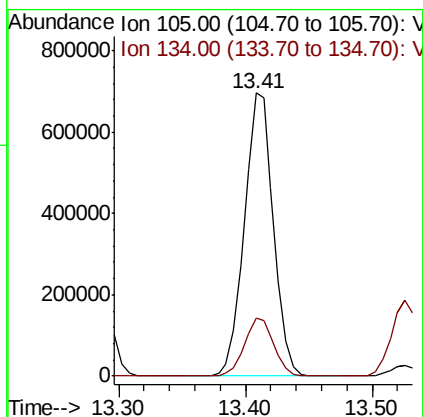
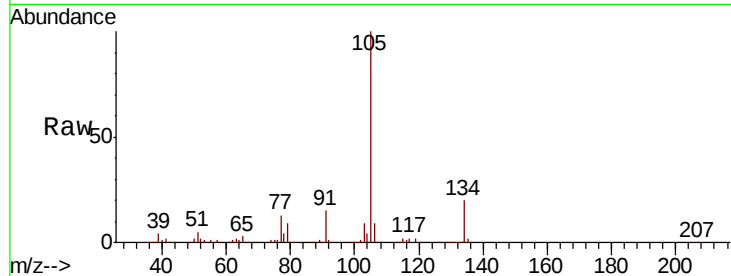




#85
 sec-Butylbenzene
 Concen: 51.831 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

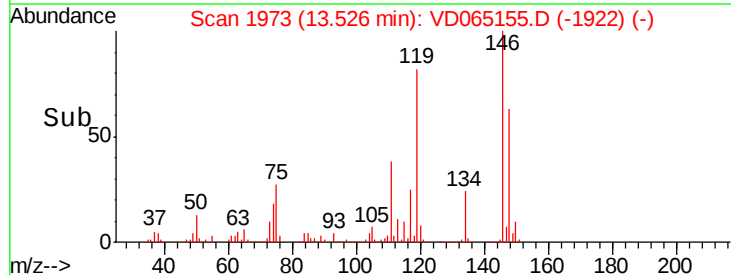
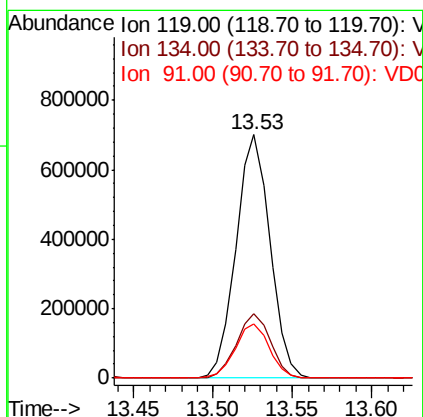
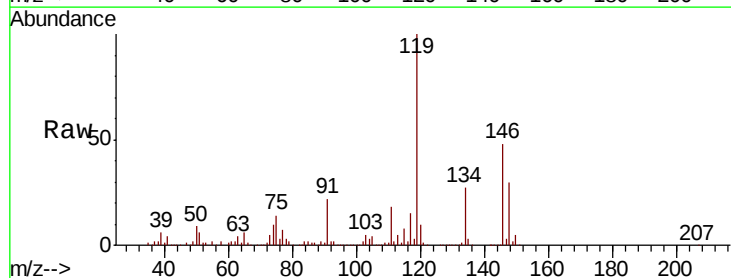
Instrument :
 MSVOA_D
 ClientSampleId :

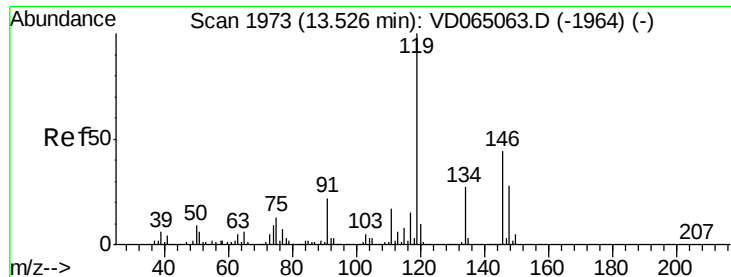
Tot Ion:105 Resp: 1103782
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 52.664 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion:119 Resp: 1042033
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.5
 91 22.3 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 54.117 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065155.D

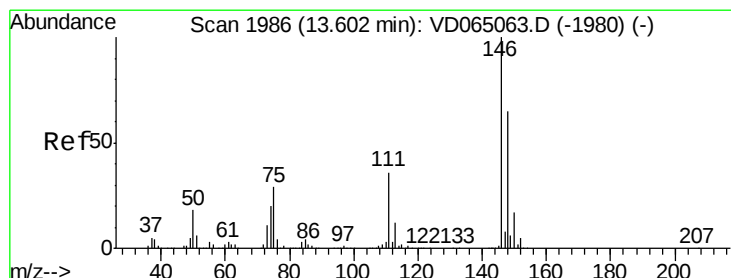
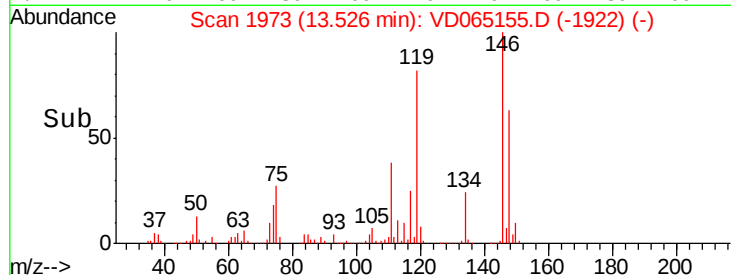
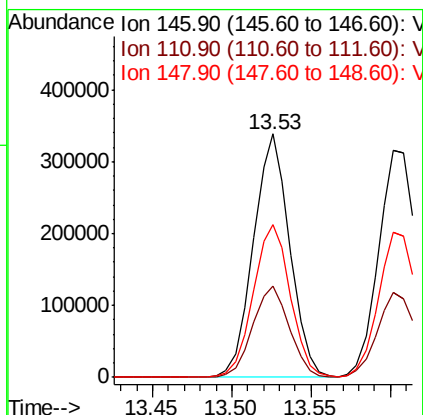
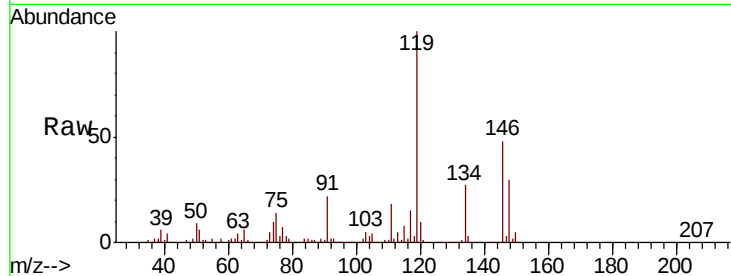
Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146	Resp:	539296
Ion	Ratio	Lower Upper
146	100	
111	38.1	19.4 58.4
148	64.0	32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 53.481 ug/l

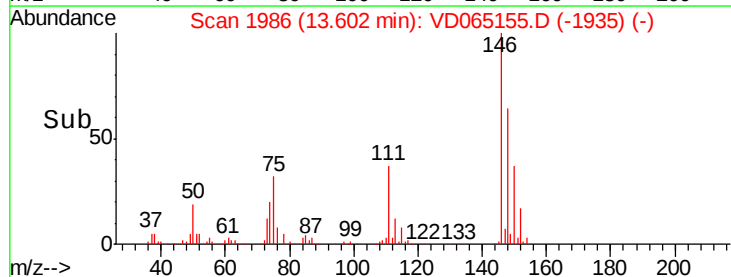
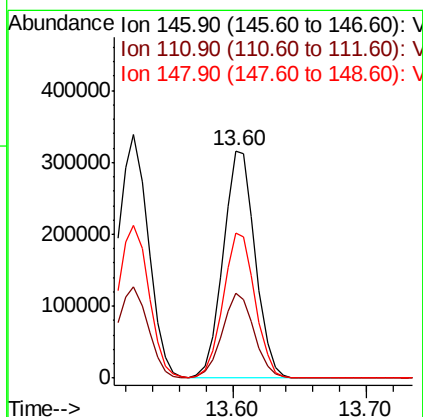
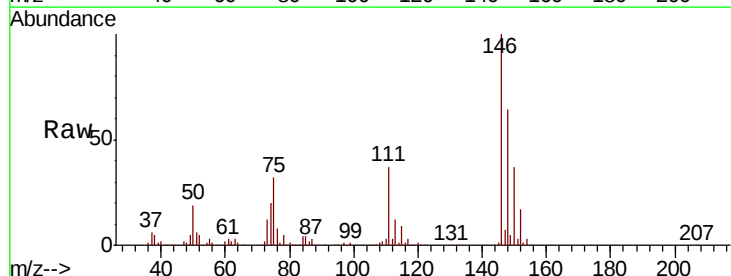
RT: 13.60 min Scan# 1986

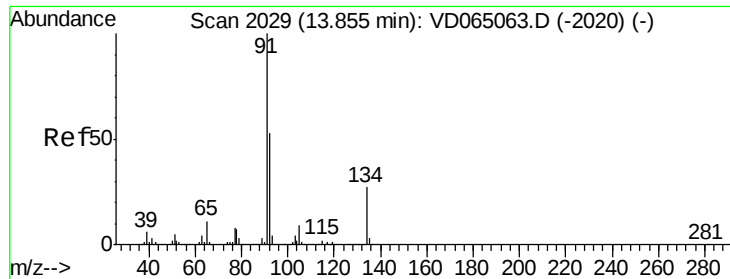
Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Tgt Ion:146	Resp:	530455
Ion	Ratio	Lower Upper
146	100	
111	37.0	18.5 55.5
148	63.7	32.7 98.1

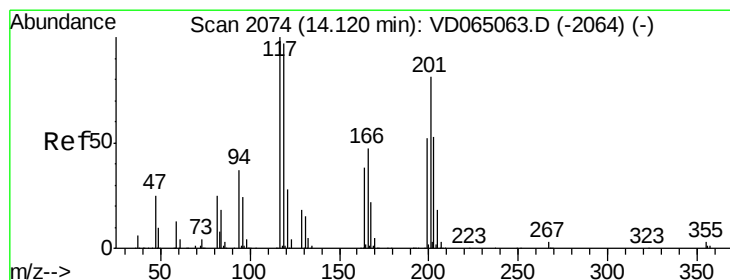
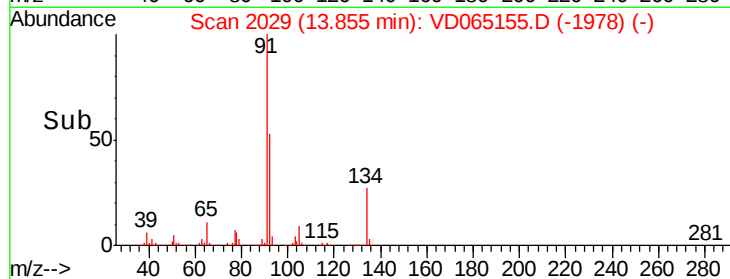
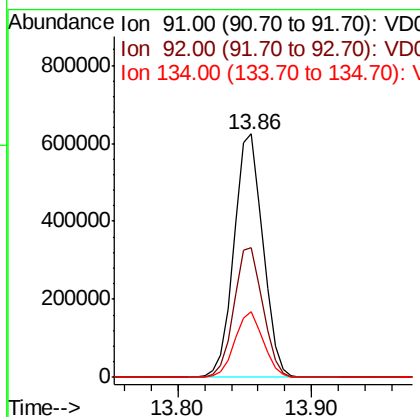
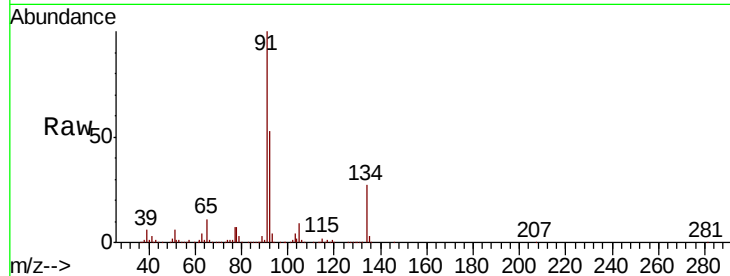




#89
n-Butylbenzene
Concen: 51.426 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

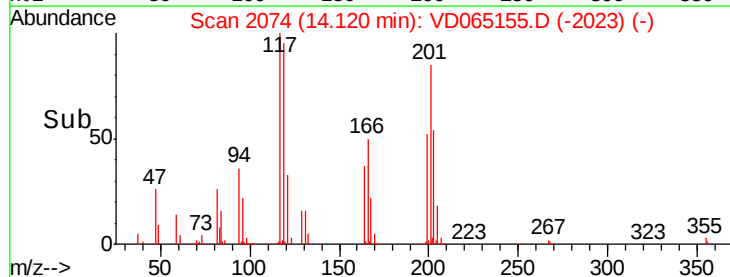
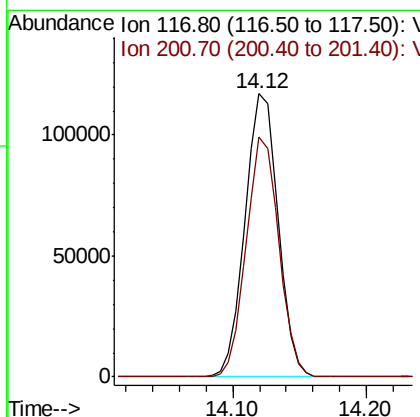
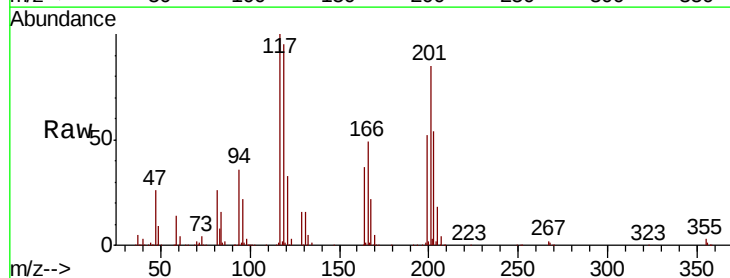
Instrument :
MSVOA_D
ClientSampleId :

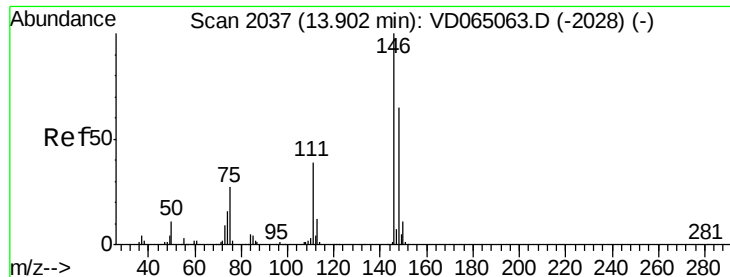
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.1
134	26.4	13.4	40.2



#90
Hexachloroethane
Concen: 53.422 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	42.5	127.6

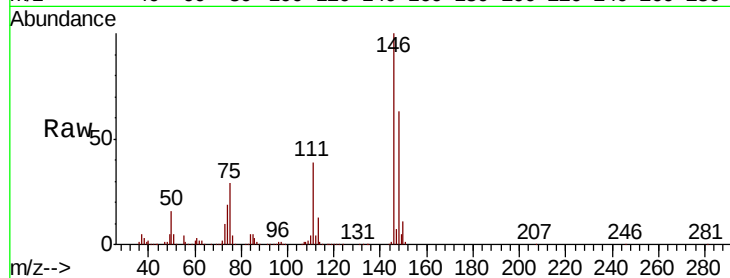




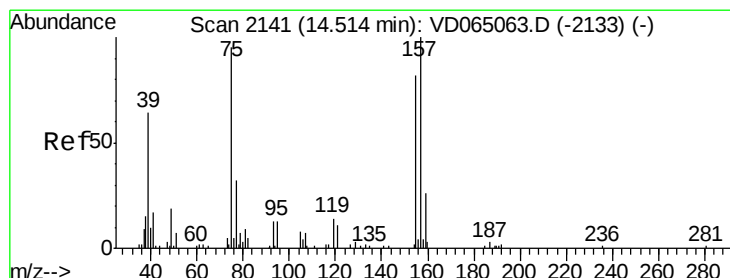
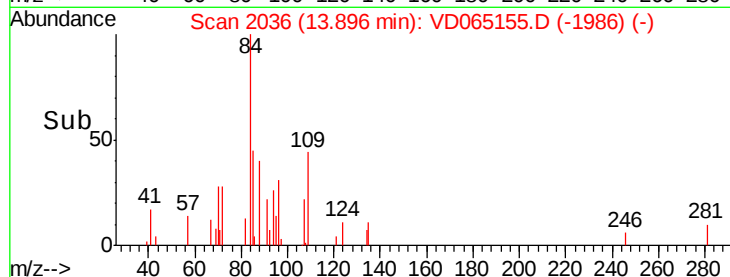
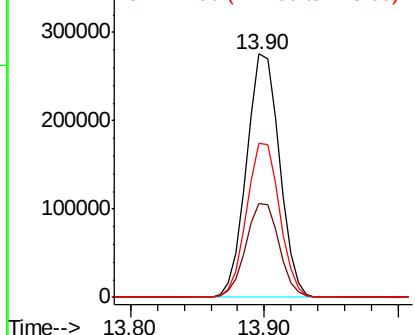
#91
 1,2-Dichlorobenzene
 Concen: 54.977 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	63.4	31.9	95.5

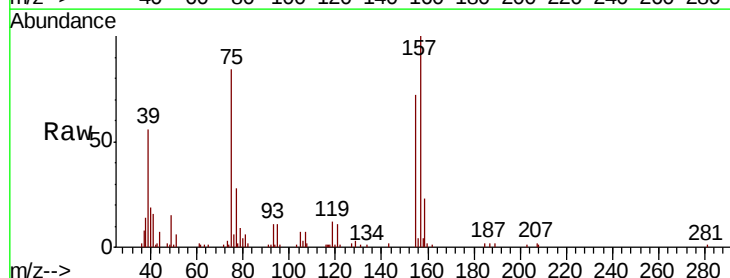


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

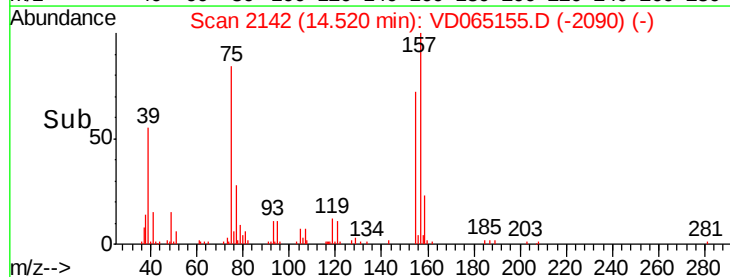
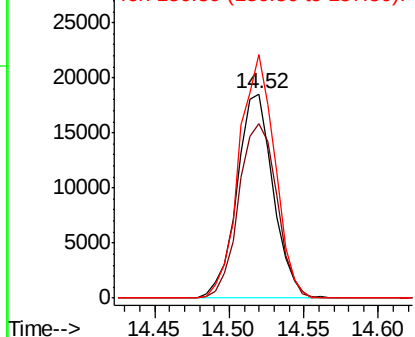


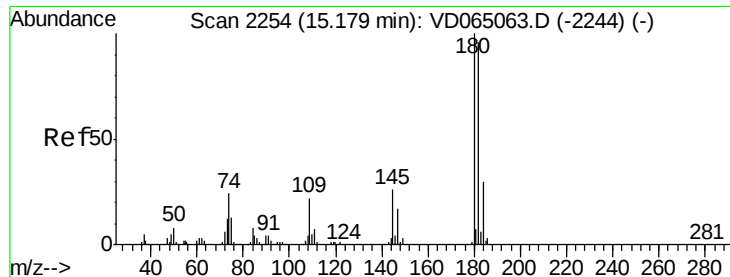
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.959 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	43.4	130.1
157	117.4	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

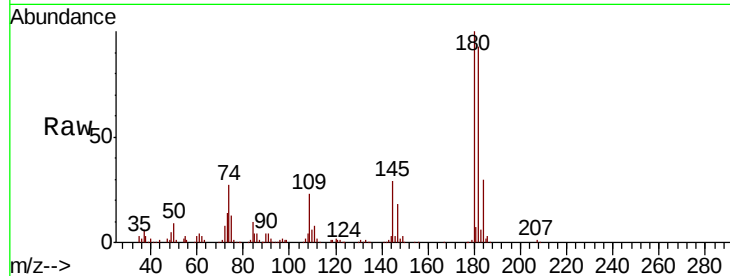




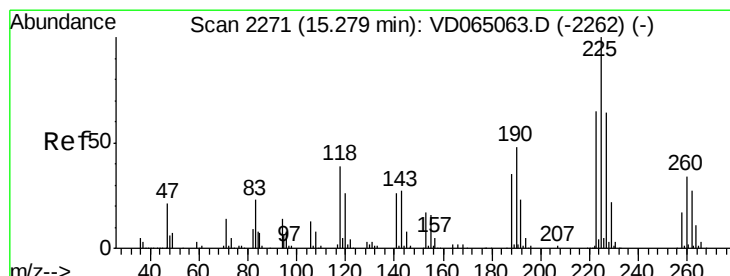
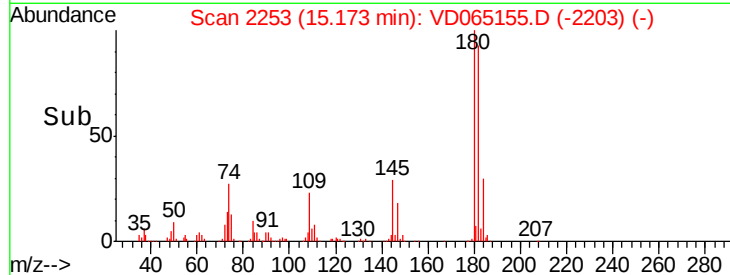
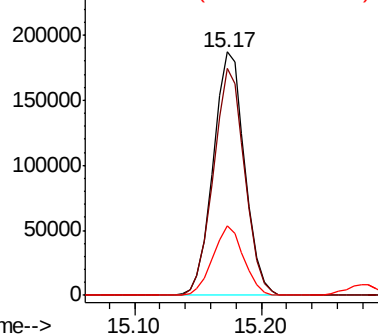
#93
 1,2,4-Trichlorobenzene
 Concen: 52.667 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.4	142.3
145	28.2	14.1	42.4

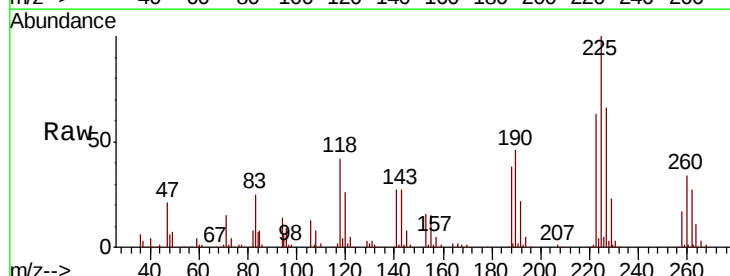


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

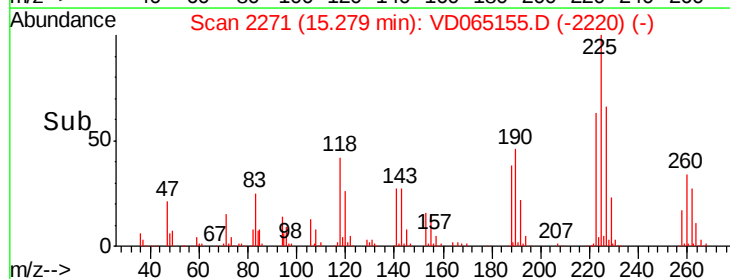
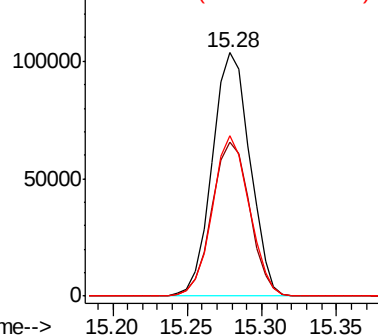


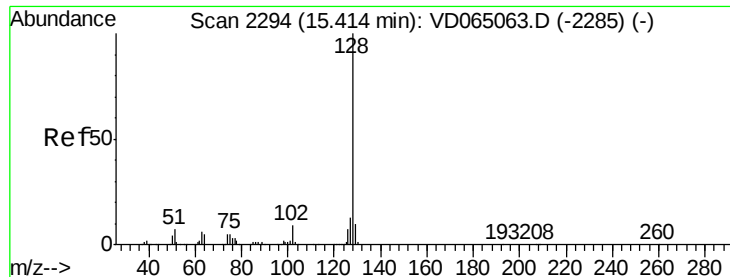
#94
 Hexachlorobutadiene
 Concen: 48.341 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.0
227	64.2	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

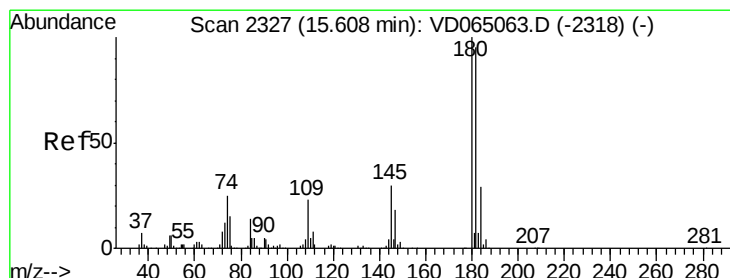
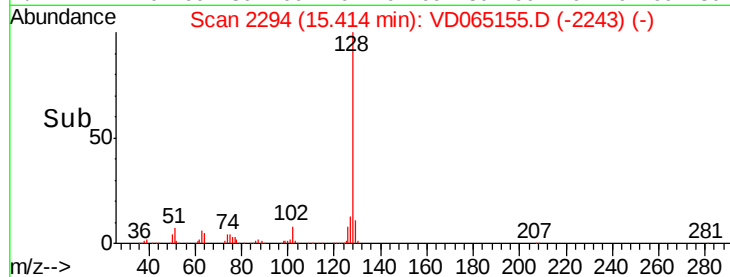
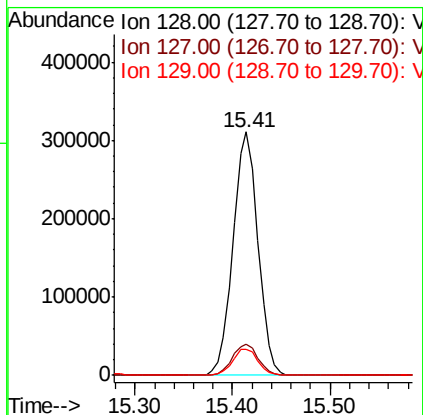
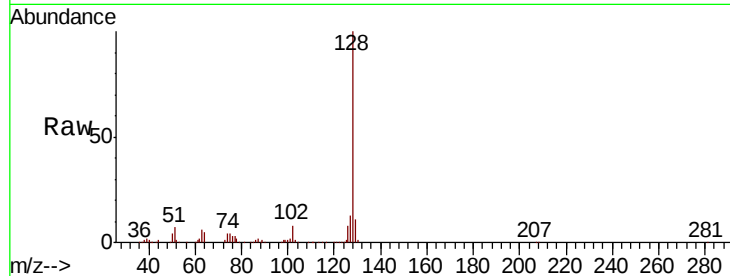




#95
Naphthalene
Concen: 54.177 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.847 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.4
145	30.0	14.9	44.9

