

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065172.D
 Acq On : 13 Feb 2020 11:21
 Operator : VA/SY
 Sample : VD0213SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 14 07:17:11 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	473269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	213648	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	7.92	113	220003	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	10.34	98	863529	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
62) 4-Bromofluorobenzene	12.64	95	270088	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79001	20.059	ug/l	96
3) Chloromethane	2.21	50	101764	21.950	ug/l	99
4) Vinyl Chloride	2.35	62	103423	21.094	ug/l	95
5) Bromomethane	2.76	94	61200	19.251	ug/l	99
6) Chloroethane	2.92	64	64837	21.318	ug/l	99
7) Trichlorofluoromethane	3.27	101	152256	21.338	ug/l	98
8) Diethyl Ether	3.71	74	40618	19.829	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90917	20.843	ug/l	99
10) Methyl Iodide	4.29	142	85606	17.194	ug/l	97
11) Tert butyl alcohol	5.25	59	21120	85.937	ug/l	96
12) 1,1-Dichloroethene	4.06	96	84255	20.168	ug/l	93
13) Acrolein	3.93	56	23965	79.280	ug/l	97
14) Allyl chloride	4.71	41	138691	19.975	ug/l	96
15) Acrylonitrile	5.43	53	91201	101.839	ug/l	100
16) Acetone	4.17	43	91215	90.701	ug/l	97
17) Carbon Disulfide	4.40	76	277049	20.655	ug/l	100
18) Methyl Acetate	4.73	43	47105	22.419	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	171111	18.522	ug/l	97
20) Methylene Chloride	4.96	84	103973	21.211	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	97377	20.602	ug/l	91
22) Diisopropyl ether	6.37	45	271573	20.736	ug/l	96
23) Vinyl Acetate	6.31	43	699714	95.855	ug/l	100
24) 1,1-Dichloroethane	6.27	63	169057	21.327	ug/l	99
25) 2-Butanone	7.22	43	114122	95.133	ug/l	98
26) 2,2-Dichloropropane	7.21	77	144497	20.337	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	100002	19.916	ug/l	98
28) Bromochloromethane	7.55	49	58885	19.596	ug/l	97
29) Tetrahydrofuran	7.57	42	72935	100.538	ug/l	94
30) Chloroform	7.71	83	170509	21.602	ug/l	100
31) Cyclohexane	7.98	56	159267	19.904	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	152392	20.727	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135453	20.463	ug/l	98
37) Ethyl Acetate	7.30	43	53415	19.753	ug/l #	95
38) Carbon Tetrachloride	8.10	117	137562	20.348	ug/l	96

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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)
39) Methylcyclohexane	9.36	83	153210	18.752	ug/l	95
40) Benzene	8.36	78	374609	20.494	ug/l	99
41) Methacrylonitrile	7.53	41	24538	16.471	ug/l	92
42) 1,2-Dichloroethane	8.43	62	104318	20.029	ug/l	98
43) Isopropyl Acetate	8.46	43	97364	18.822	ug/l	99
44) Trichloroethene	9.11	130	103346	19.697	ug/l	98
45) 1,2-Dichloropropane	9.39	63	93832	21.410	ug/l	99
46) Dibromomethane	9.48	93	48208	20.933	ug/l	97
47) Bromodichloromethane	9.67	83	127381	20.992	ug/l	96
48) Methyl methacrylate	9.46	41	45945	18.458	ug/l	99
49) 1,4-Dioxane	9.47	88	10524	385.826	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	248670	97.663	ug/l	99
52) Toluene	10.41	92	244496	20.957	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	117614	19.908	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	143656	20.331	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65282	20.667	ug/l	96
56) Ethyl methacrylate	10.67	69	74137	18.549	ug/l	96
57) 1,3-Dichloropropane	10.95	76	111863	20.139	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124494	83.768	ug/l	100
59) 2-Hexanone	10.99	43	176638	97.940	ug/l	99
60) Dibromochloromethane	11.14	129	84008	20.533	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62454	20.234	ug/l	99
64) Tetrachloroethene	10.88	164	88721	19.240	ug/l	96
65) Chlorobenzene	11.67	112	252287	20.326	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	91811	20.041	ug/l	98
67) Ethyl Benzene	11.75	91	448203	19.875	ug/l	99
68) m/p-Xylenes	11.86	106	342414	39.783	ug/l	99
69) o-Xylene	12.18	106	147684	19.054	ug/l	98
70) Styrene	12.20	104	269694	20.020	ug/l	100
71) Bromoform	12.37	173	51277	20.795	ug/l #	99
73) Isopropylbenzene	12.48	105	413689	19.369	ug/l	99
74) N-amyl acetate	12.30	43	84729	18.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70149	20.869	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	93114	39.523	ug/l #	100
77) Bromobenzene	12.77	156	101190	19.664	ug/l	98
78) n-propylbenzene	12.83	91	505184	20.198	ug/l	100
79) 2-Chlorotoluene	12.91	91	281184	20.168	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	344331	19.706	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22700	19.270	ug/l	98
82) 4-Chlorotoluene	13.01	91	292112	19.950	ug/l	99
83) tert-Butylbenzene	13.23	119	284853	18.896	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	347753	20.047	ug/l	100
85) sec-Butylbenzene	13.41	105	410698	19.948	ug/l	100
86) p-Isopropyltoluene	13.53	119	381366	19.936	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	193618	20.096	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	190338	19.849	ug/l	99
89) n-Butylbenzene	13.86	91	355560	20.138	ug/l	98
90) Hexachloroethane	14.12	117	76943	21.241	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	165787	20.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10628	19.369	ug/l	98

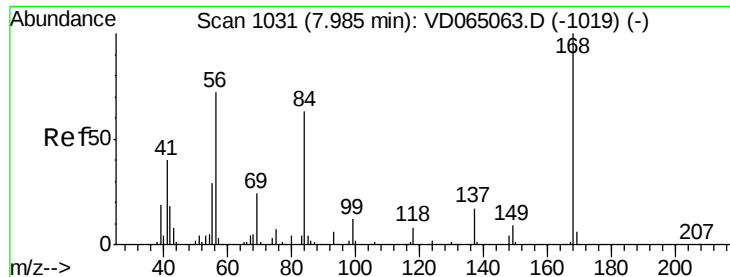
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	112590	19.089	ug/l	99
94) Hexachlorobutadiene	15.28	225	70913	19.553	ug/l	99
95) Naphthalene	15.41	128	167287	17.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94706	18.772	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

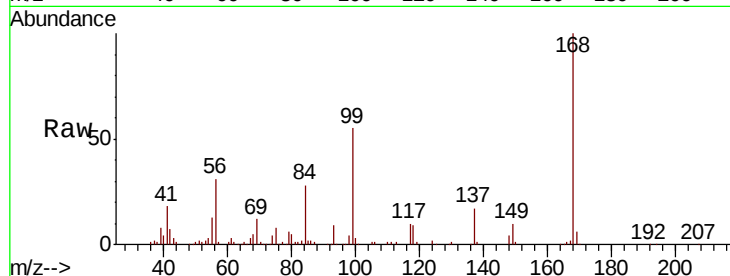
ClientSampled :

Tot Ion:168 Resp: 473269

Ion Ratio Lower Upper

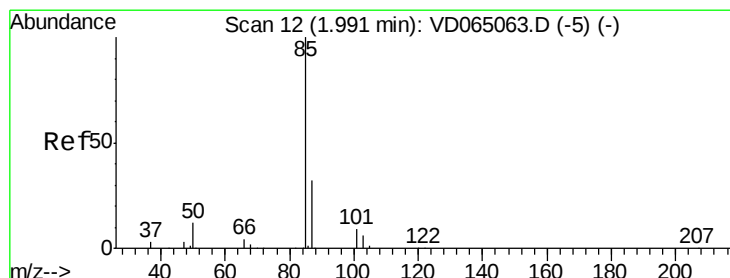
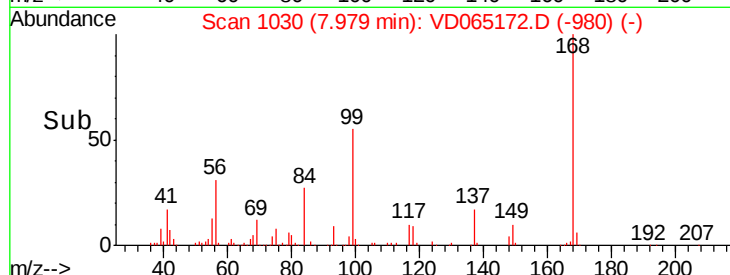
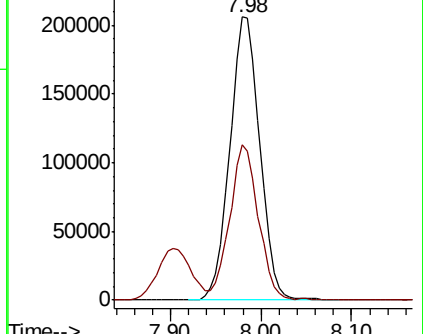
168 100

99 54.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.059 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065172.D

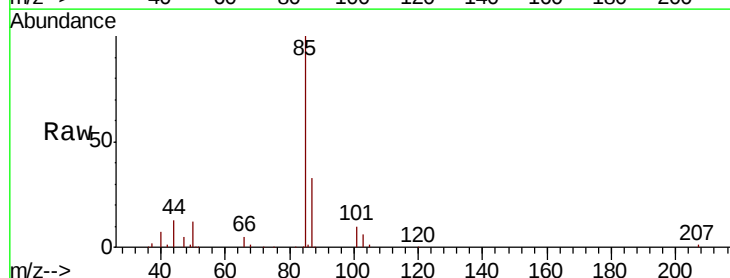
Acq: 13 Feb 2020 11:21

Tgt Ion: 85 Resp: 79001

Ion Ratio Lower Upper

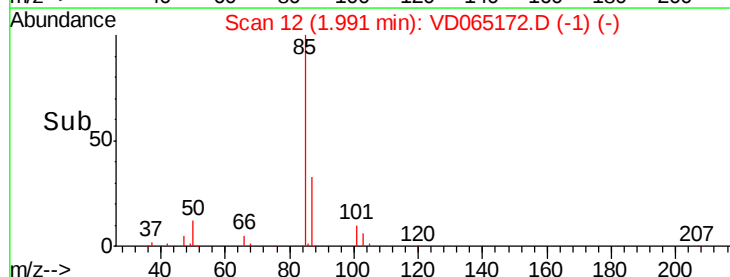
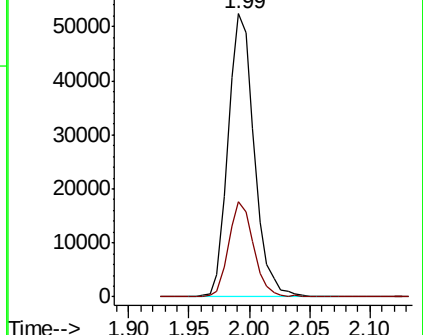
85 100

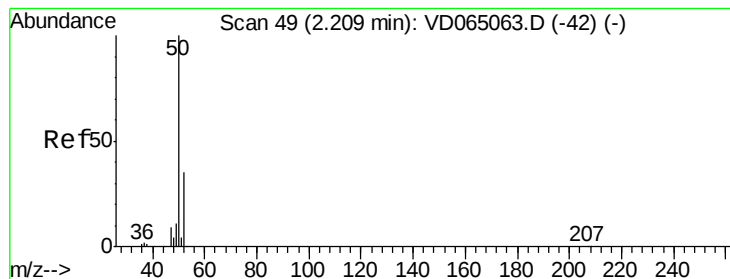
87 33.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.950 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

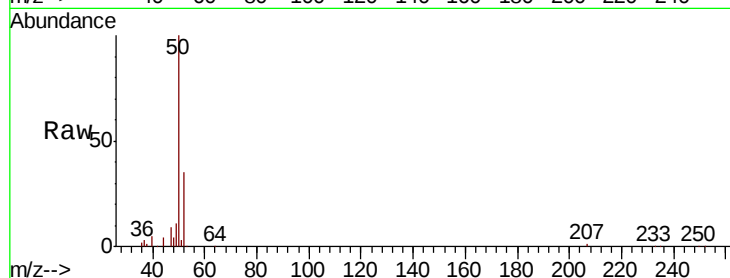
ClientSampleId :

Tot Ion: 50 Resp: 101764

Ion Ratio Lower Upper

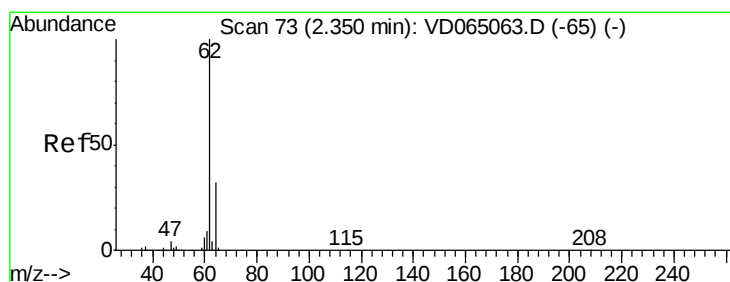
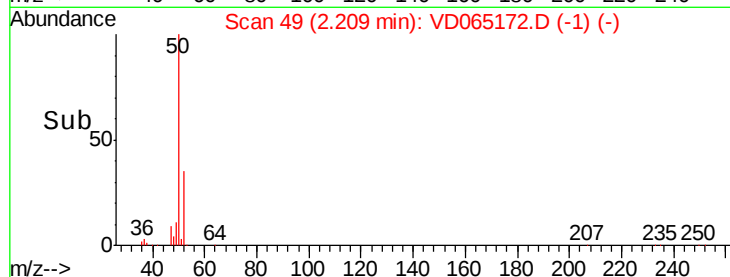
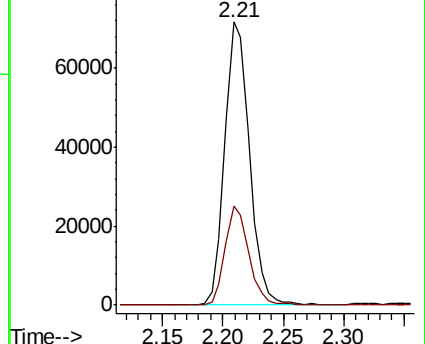
50 100

52 35.2 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.094 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065172.D

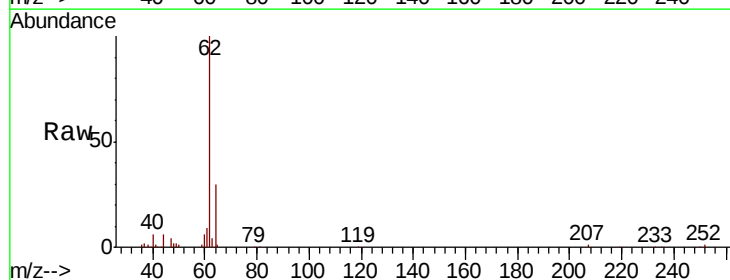
Acq: 13 Feb 2020 11:21

Tgt Ion: 62 Resp: 103423

Ion Ratio Lower Upper

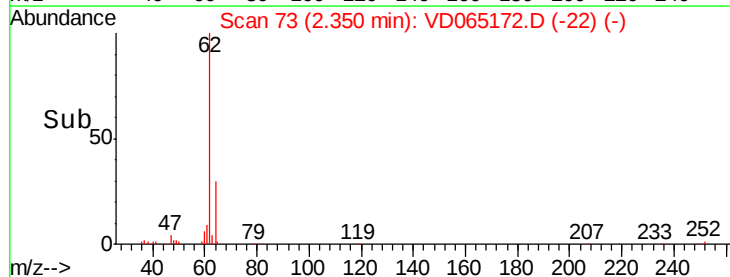
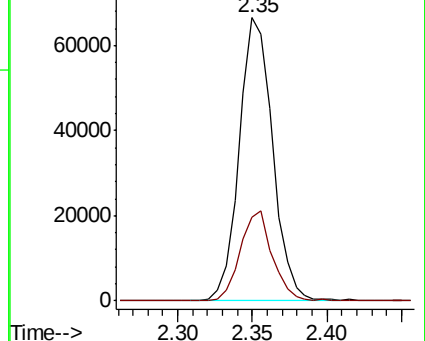
62 100

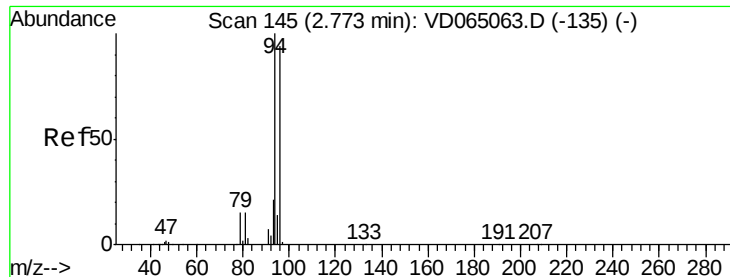
64 29.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.251 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

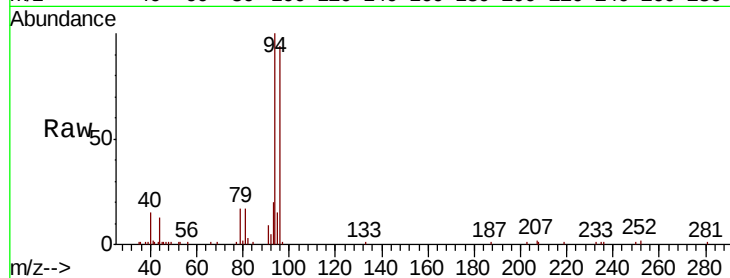
ClientSampleId :

Tot Ion: 94 Resp: 61200

Ion Ratio Lower Upper

94 100

96 93.3 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

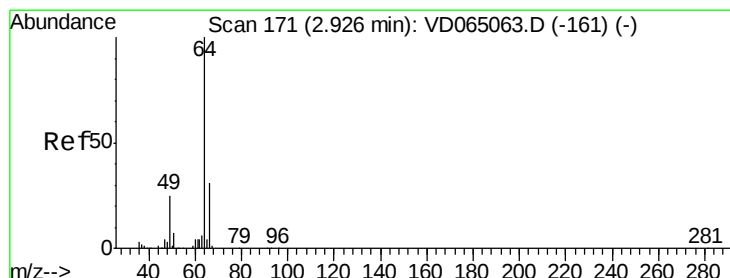
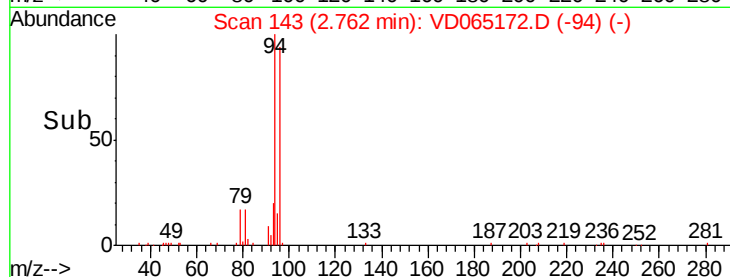
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.318 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065172.D

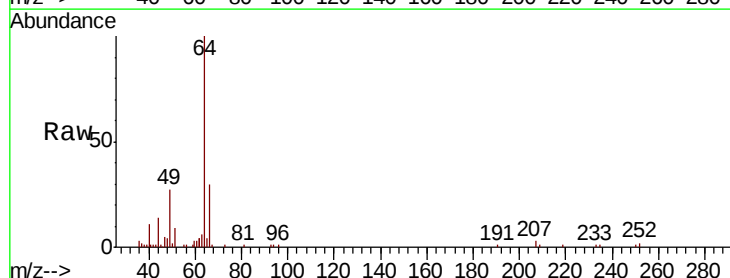
Acq: 13 Feb 2020 11:21

Tgt Ion: 64 Resp: 64837

Ion Ratio Lower Upper

64 100

66 30.3 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

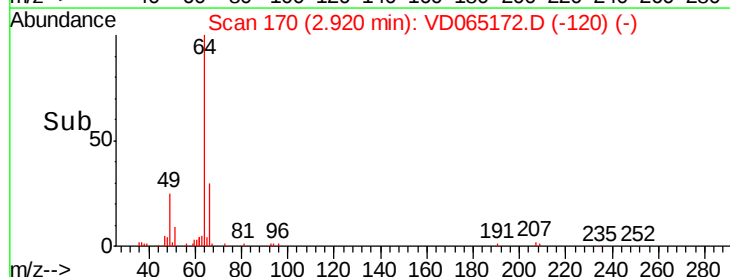
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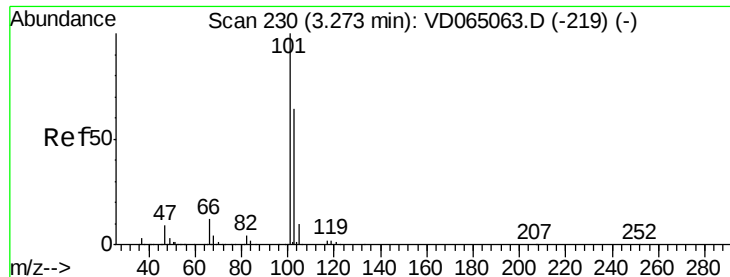
20000

10000

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Time-->



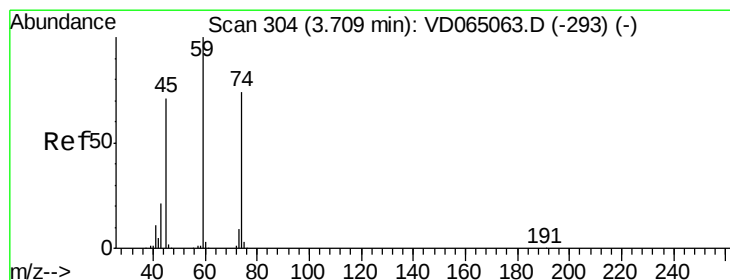
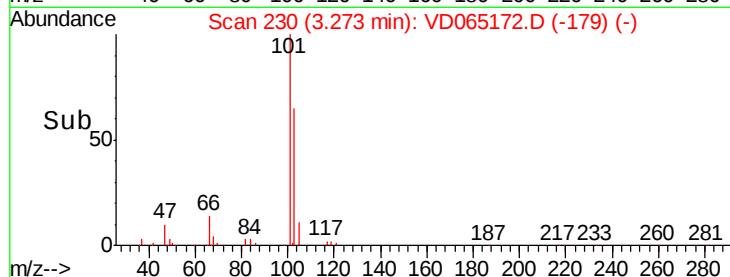
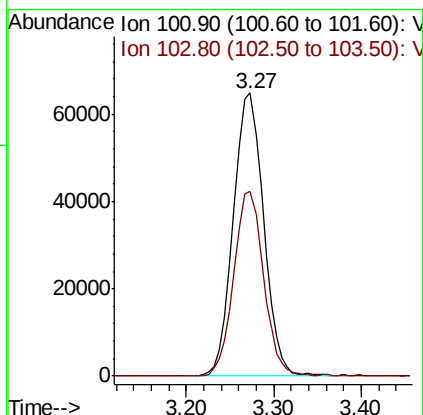
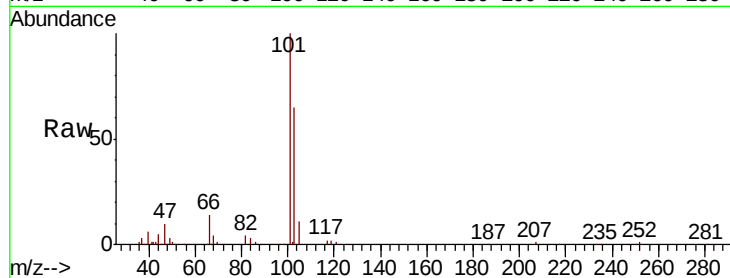


#7

Trichlorofluoromethane
 Concen: 21.338 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :

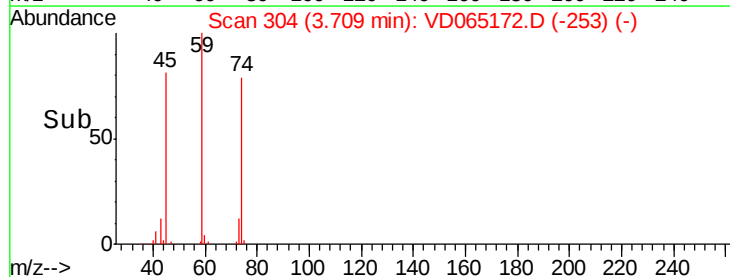
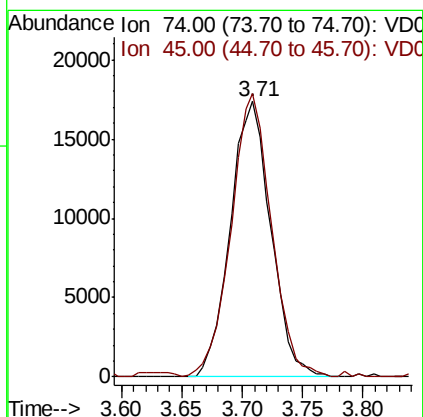
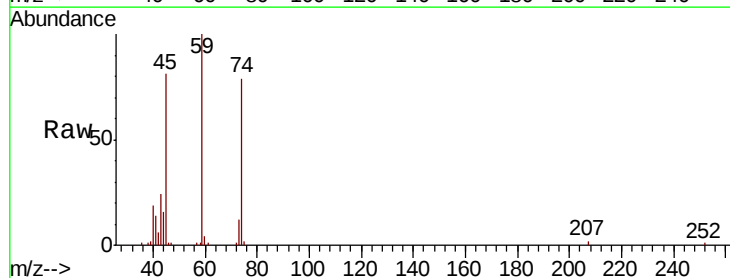
Tot Ion:101 Resp: 152256
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.0 76.6

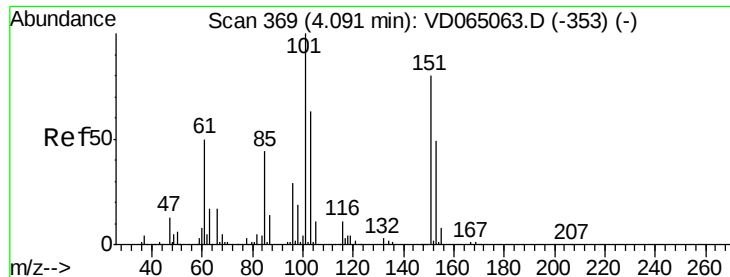


#8

Diethyl Ether
 Concen: 19.829 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion: 74 Resp: 40618
 Ion Ratio Lower Upper
 74 100
 45 102.4 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.843 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065172.D

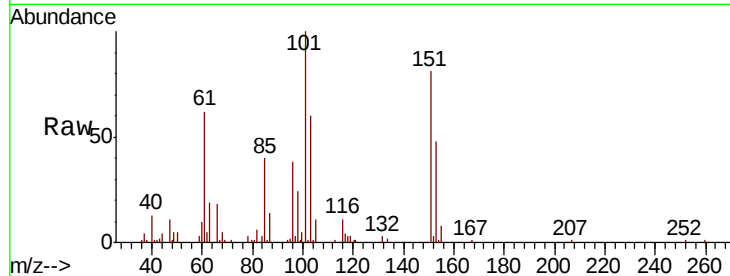
Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

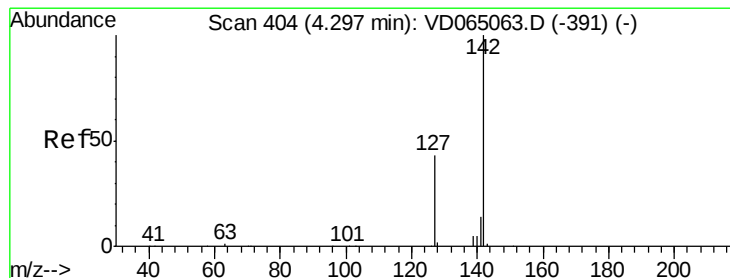
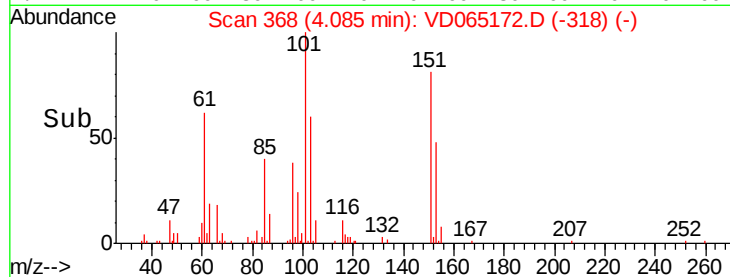
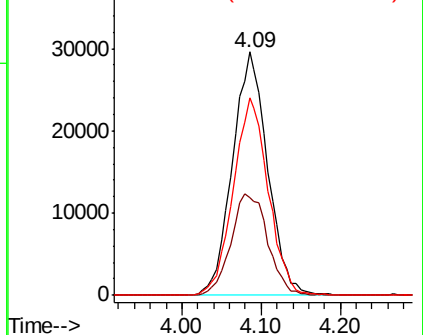
Tot Ion:	101	Resp:	90917
Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.0	51.0
151	80.8	64.0	96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.194 ug/l

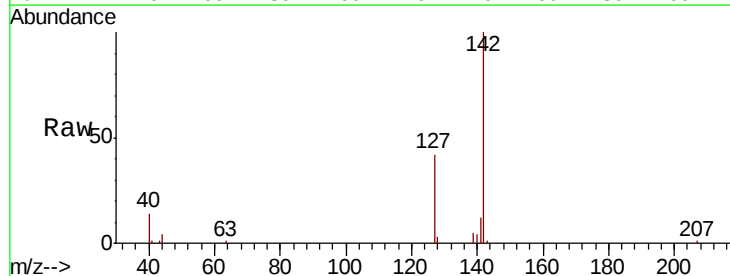
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

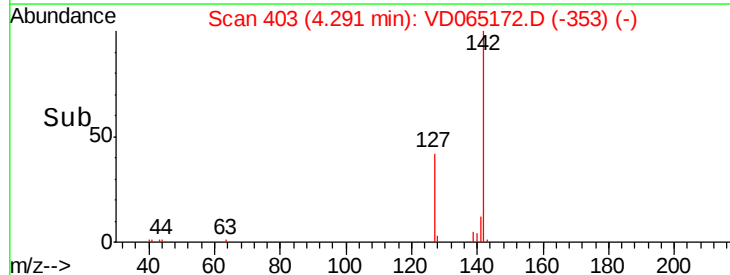
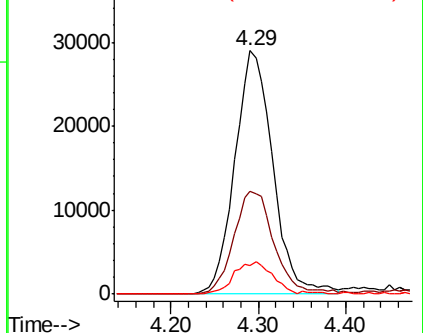
Tgt Ion:	142	Resp:	85606
Ion	Ratio	Lower	Upper
142	100		
127	44.8	34.0	51.0
141	13.4	11.6	17.4

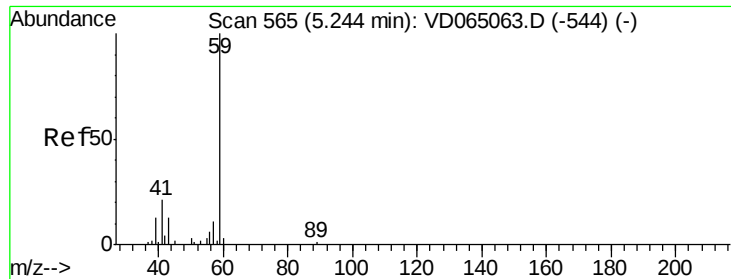


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



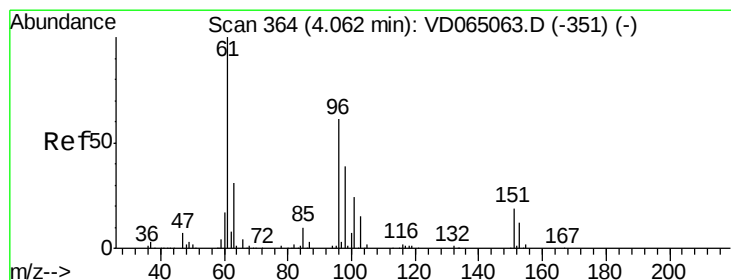
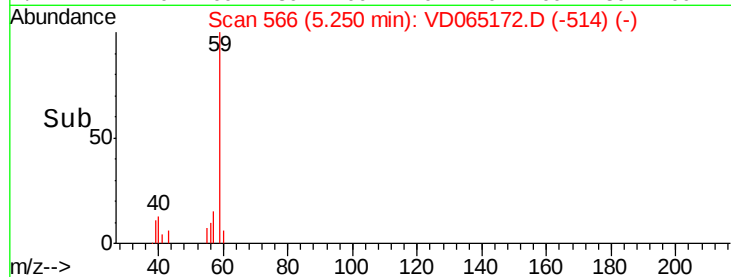
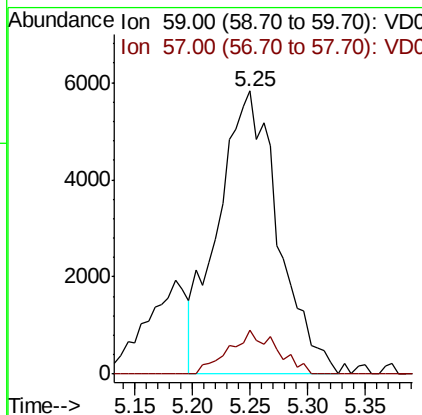
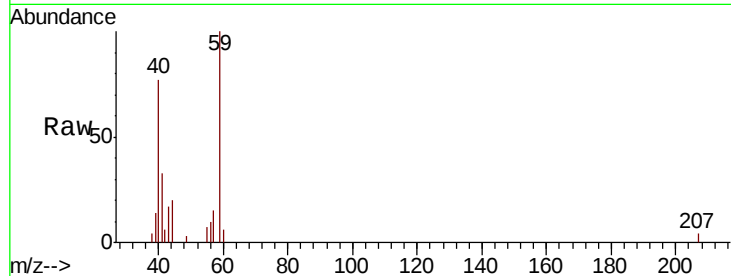


#11

Tert butyl alcohol
 Concen: 85.937 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :

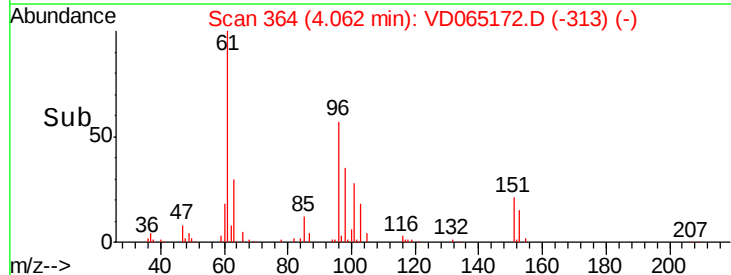
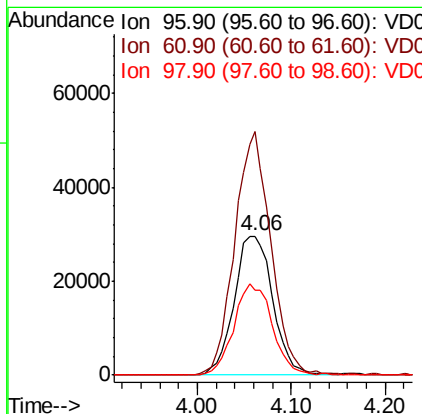
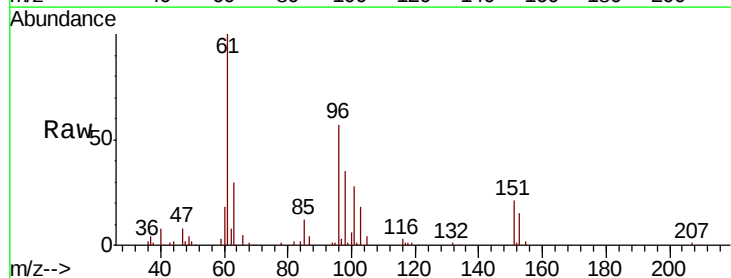
Tot Ion: 59 Resp: 21120
 Ion Ratio Lower Upper
 59 100
 57 12.5 8.8 13.2

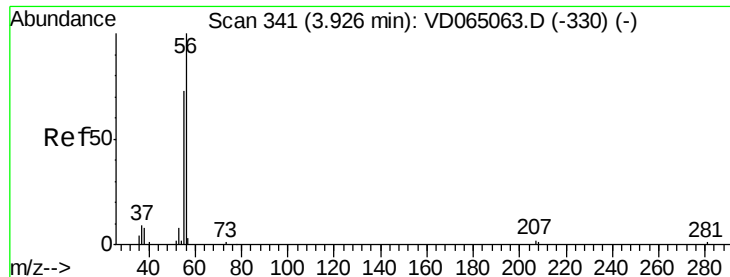


#12

1,1-Dichloroethene
 Concen: 20.168 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion: 96 Resp: 84255
 Ion Ratio Lower Upper
 96 100
 61 175.0 131.4 197.2
 98 60.7 51.1 76.7





#13

Acrolein

Concen: 79.280 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

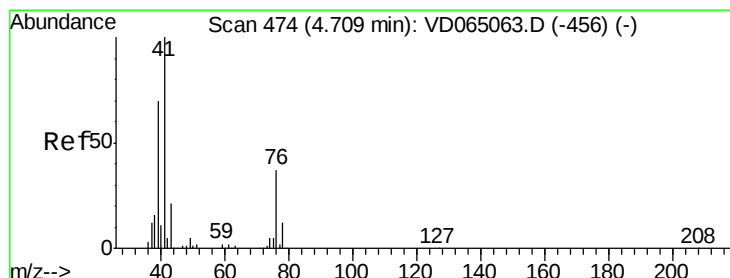
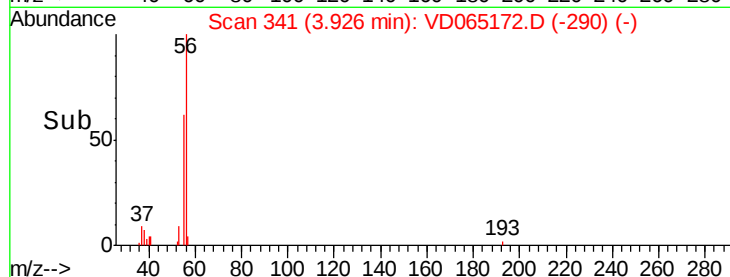
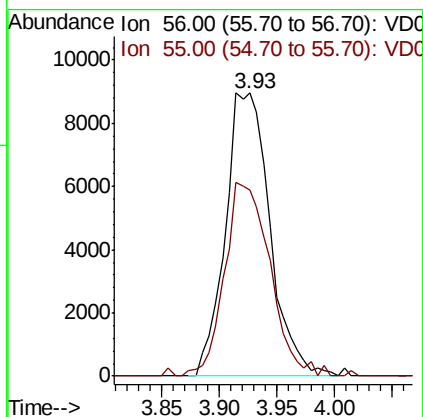
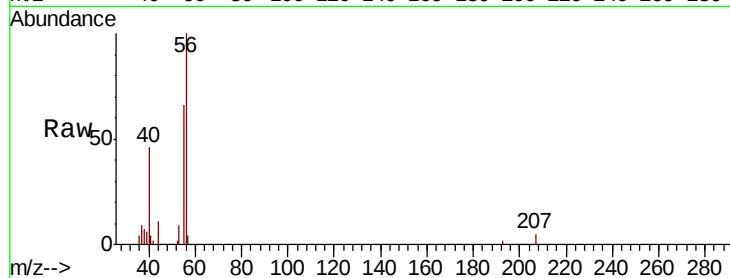
ClientSampled :

Tot Ion: 56 Resp: 23965

Ion Ratio Lower Upper

56 100

55 69.9 58.2 87.2



#14

Allyl chloride

Concen: 19.975 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

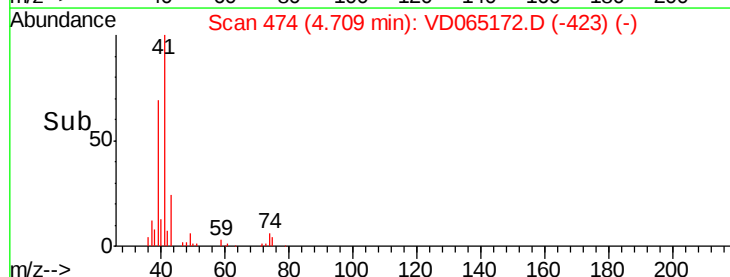
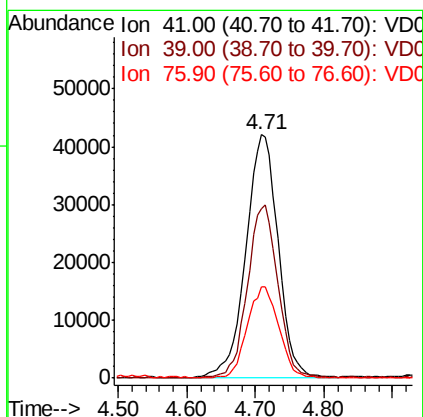
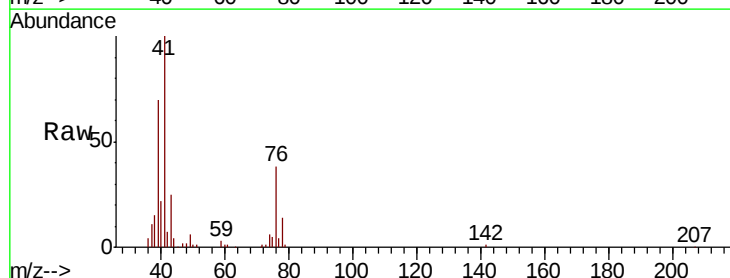
Tgt Ion: 41 Resp: 138691

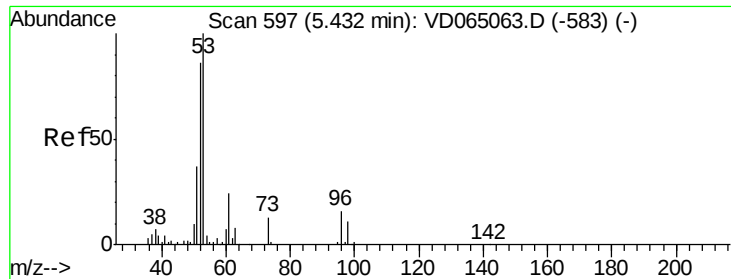
Ion Ratio Lower Upper

41 100

39 67.1 57.1 85.7

76 36.4 28.0 42.0





#15

Acrylonitrile

Concen: 101.839 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

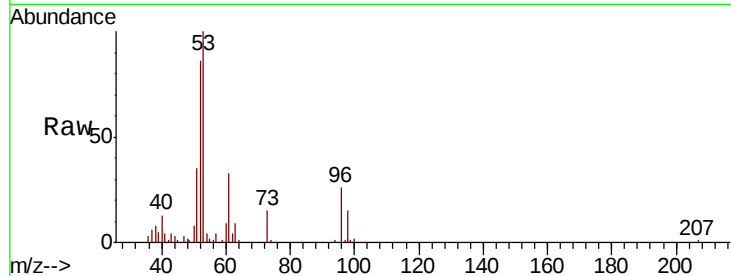
Tot Ion: 53 Resp: 91201

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.2

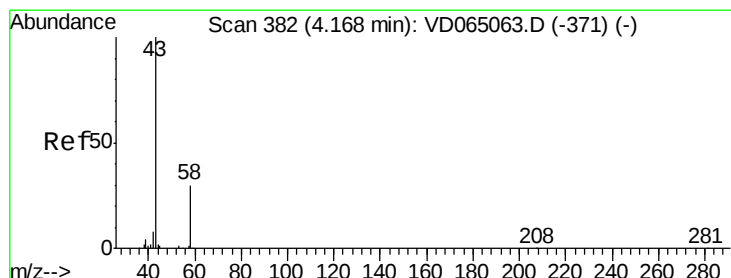
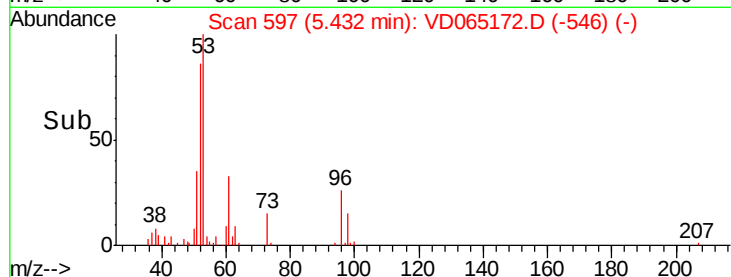
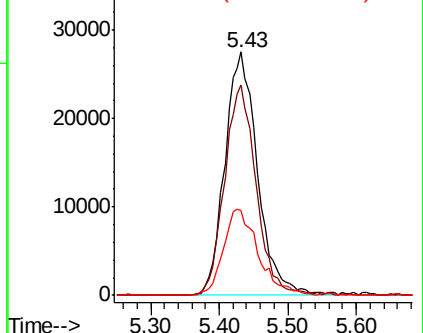
51 37.7 30.4 45.6



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: 90.701 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065172.D

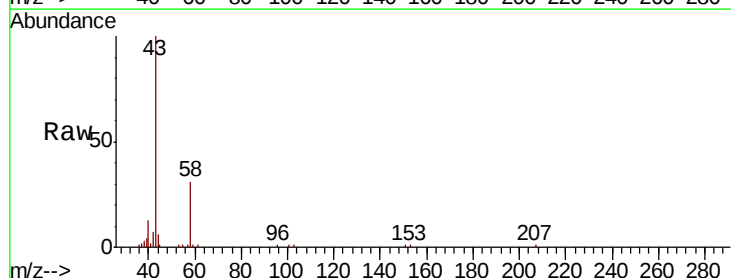
Acq: 13 Feb 2020 11:21

Tgt Ion: 43 Resp: 91215

Ion Ratio Lower Upper

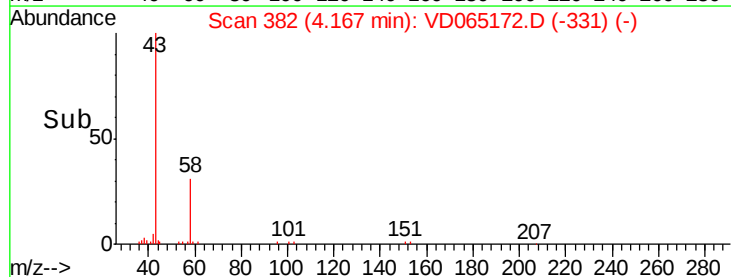
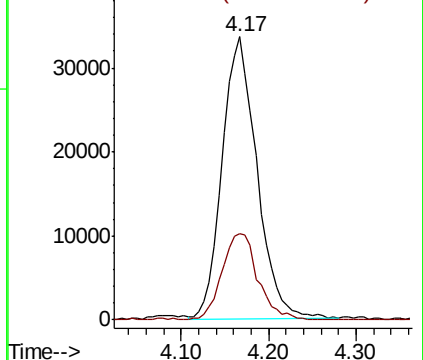
43 100

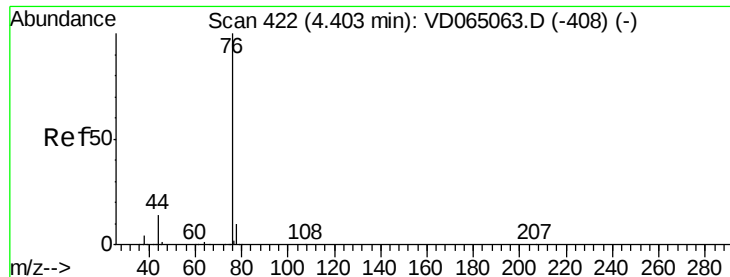
58 30.8 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 20.655 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

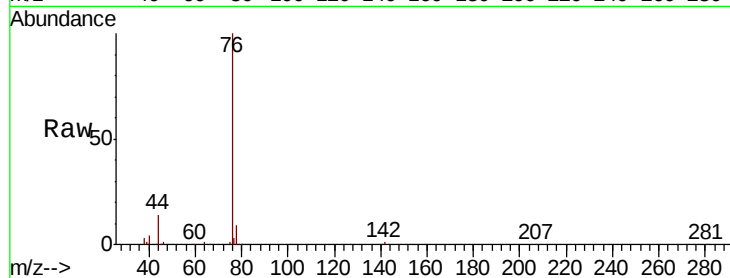
ClientSampled :

Tot Ion: 76 Resp: 277049

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

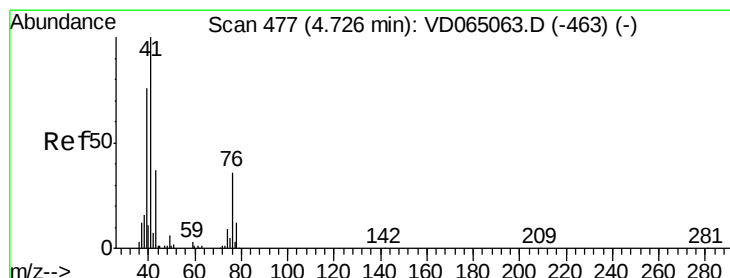
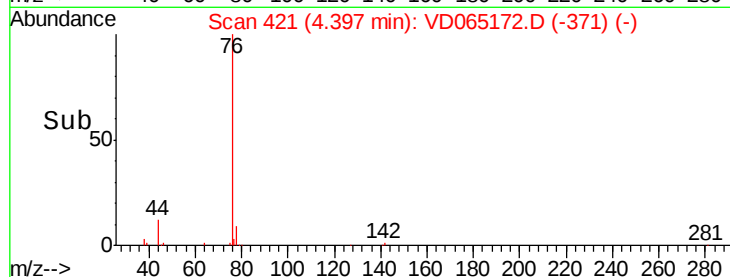
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.419 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065172.D

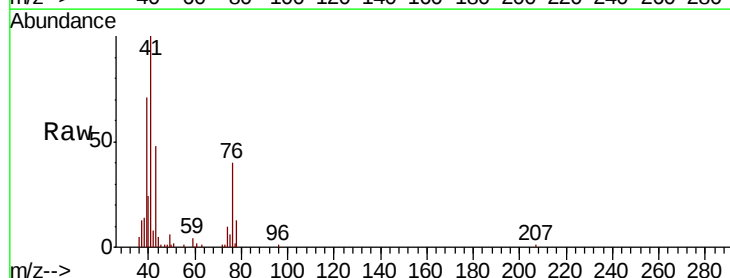
Acq: 13 Feb 2020 11:21

Tgt Ion: 43 Resp: 47105

Ion Ratio Lower Upper

43 100

74 22.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

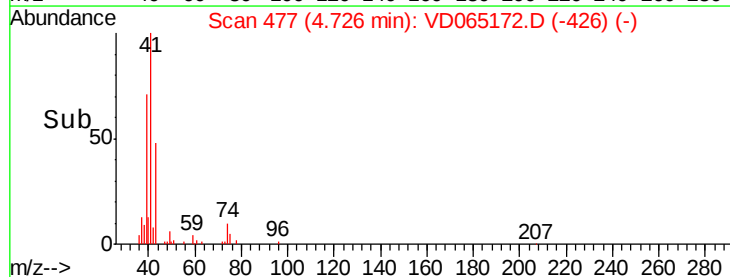
15000

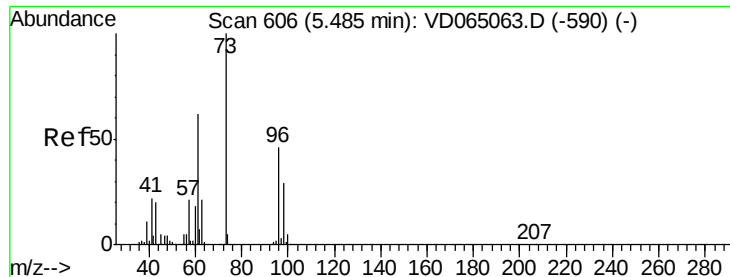
10000

5000

0

Time-->



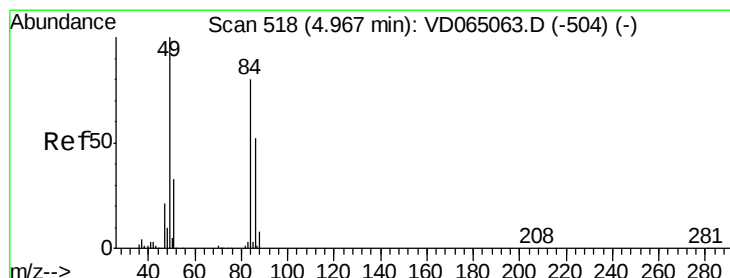
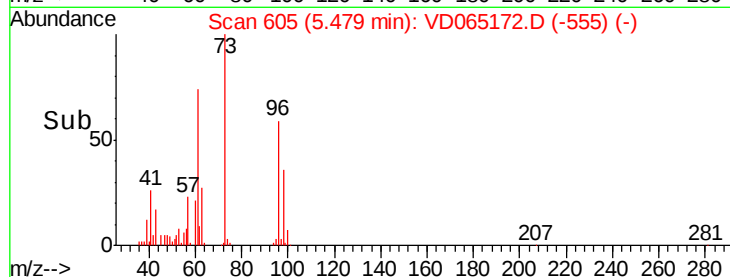
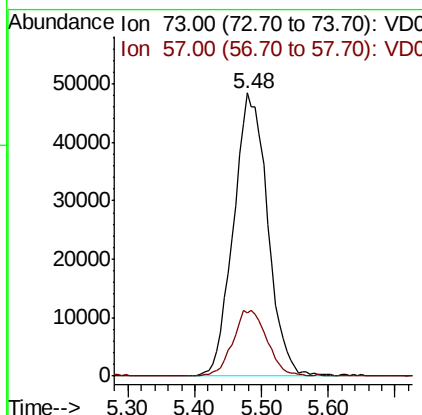
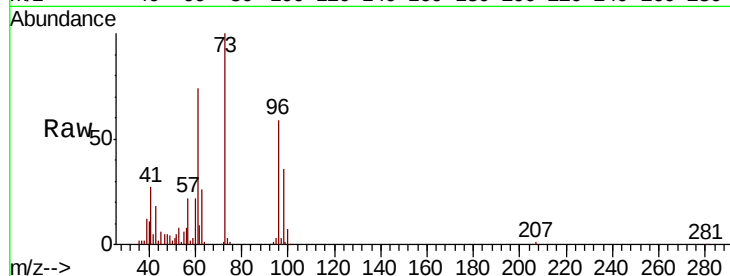


#19

Methyl tert-butyl Ether
 Concen: 18.522 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampled :

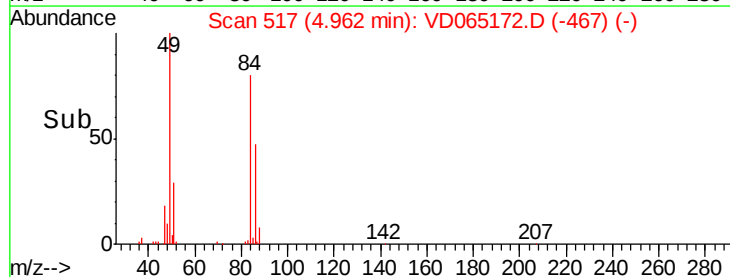
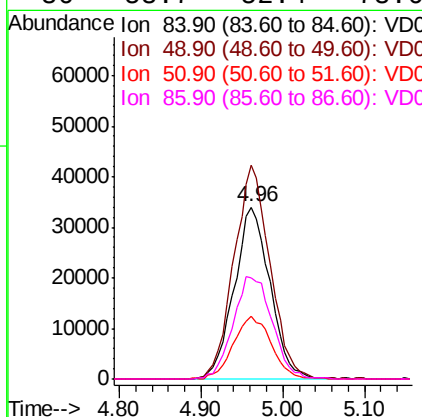
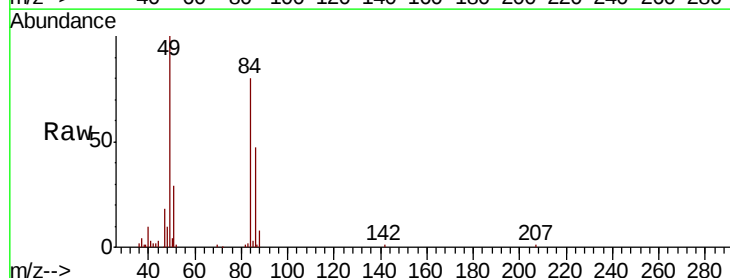
Tot Ion: 73 Resp: 171111
 Ion Ratio Lower Upper
 73 100
 57 22.4 16.8 25.2

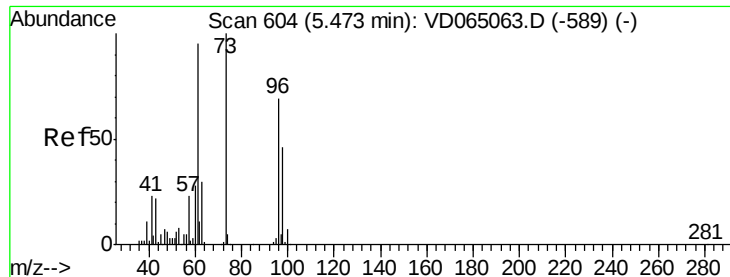


#20

Methylene Chloride
 Concen: 21.211 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion: 84 Resp: 103973
 Ion Ratio Lower Upper
 84 100
 49 124.3 100.4 150.6
 51 36.6 32.7 49.1
 86 58.7 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 20.602 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampled :

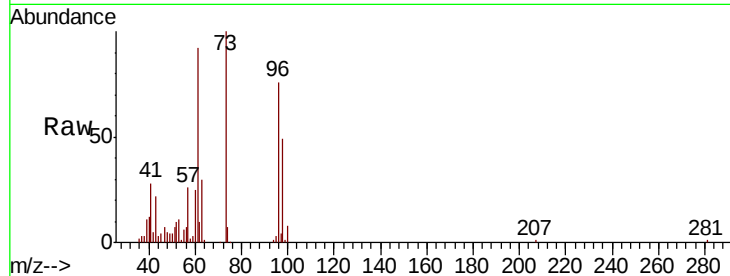
Tot Ion: 96 Resp: 97377

Ion Ratio Lower Upper

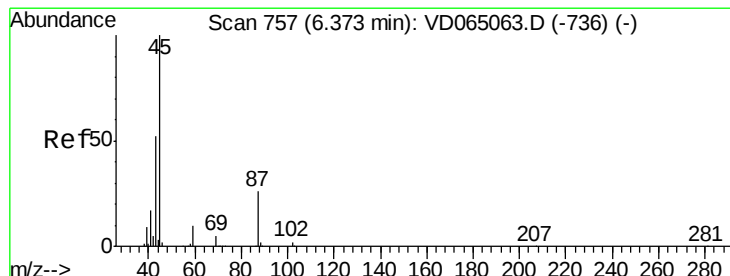
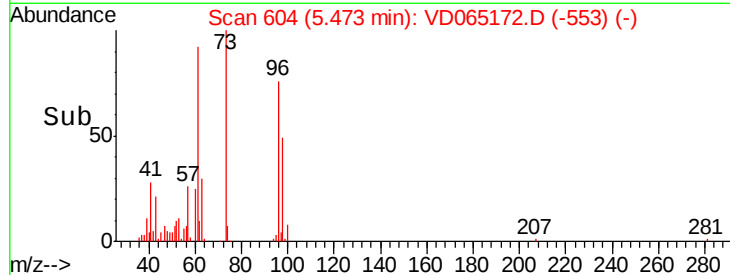
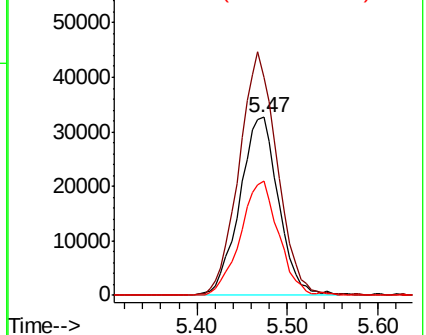
96 100

61 122.1 109.5 164.3

98 64.3 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: 20.736 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Tgt Ion: 45 Resp: 271573

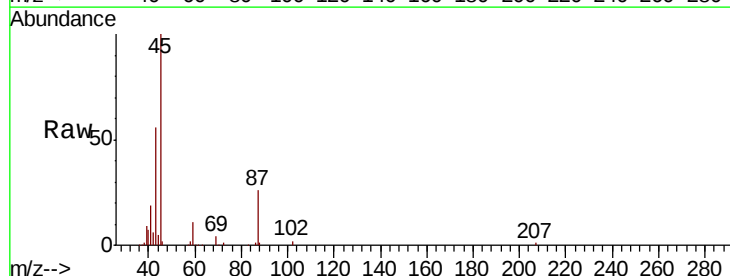
Ion Ratio Lower Upper

45 100

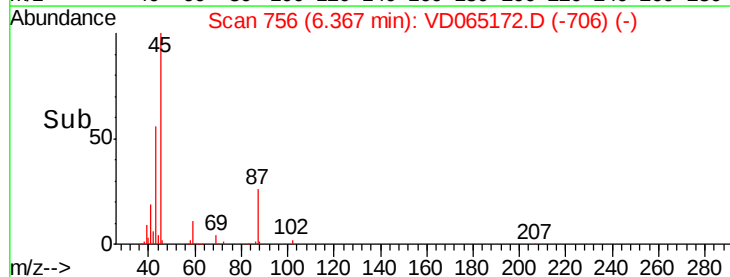
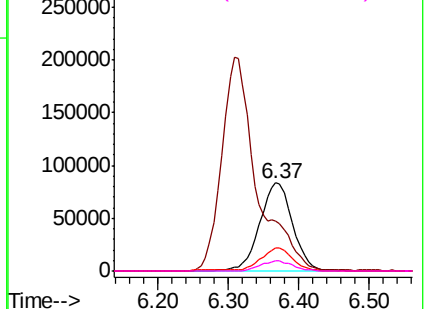
43 55.6 41.3 61.9

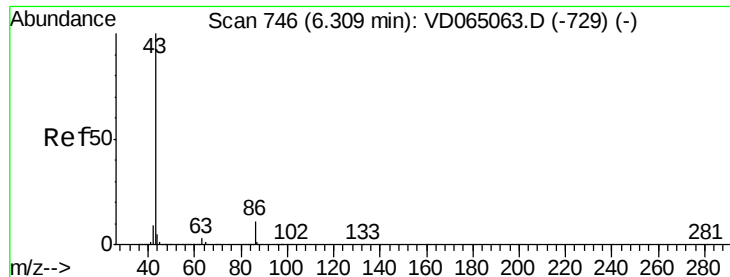
87 25.2 21.0 31.6

59 11.2 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: 95.855 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

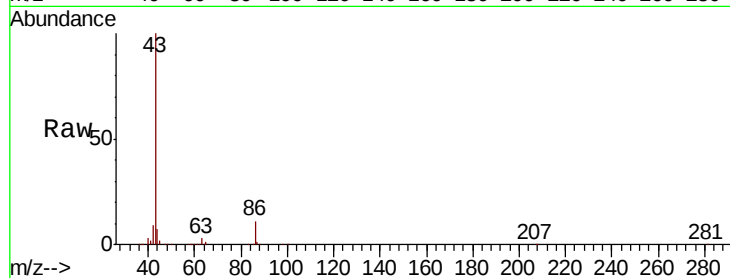
ClientSampleId :

Tot Ion: 43 Resp: 699714

Ion Ratio Lower Upper

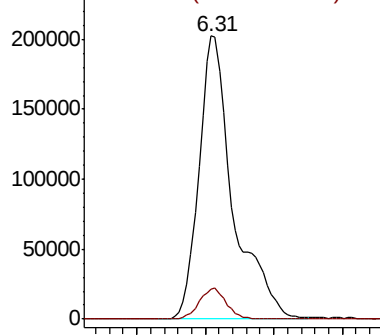
43 100

86 10.6 8.5 12.7

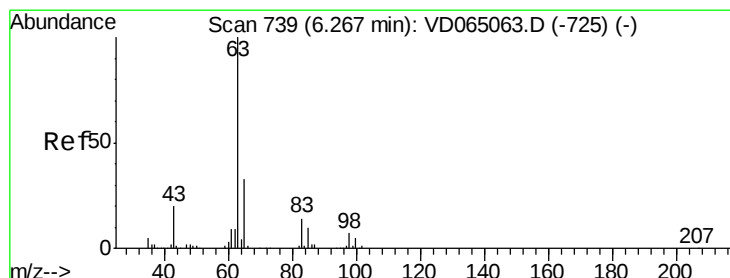
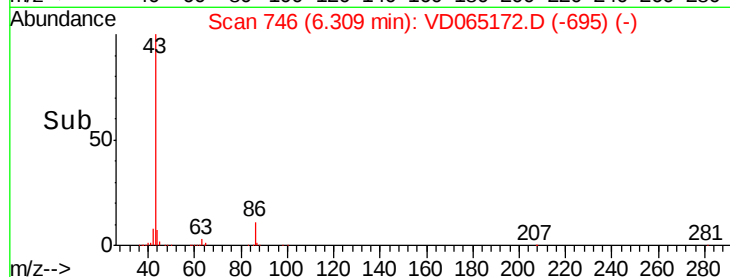


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 21.327 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

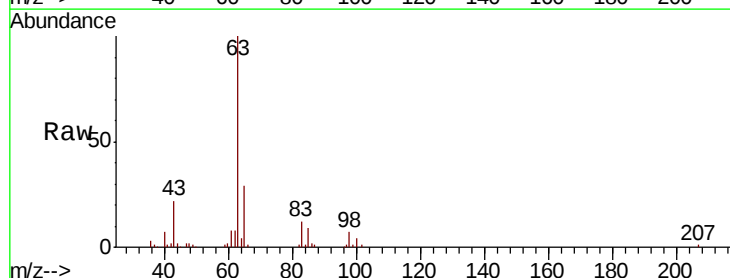
Tgt Ion: 63 Resp: 169057

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

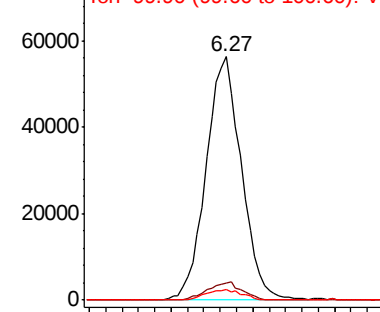
100 4.5 2.5 7.6



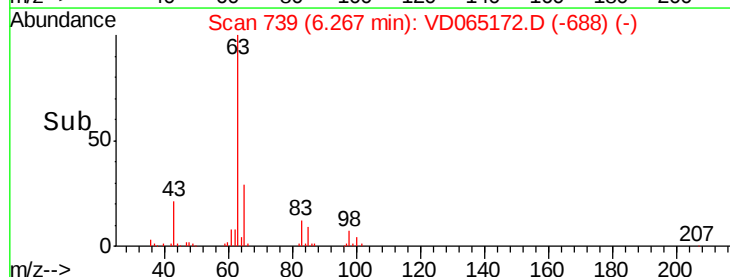
Abundance Ion 62.90 (62.60 to 63.60): VDC

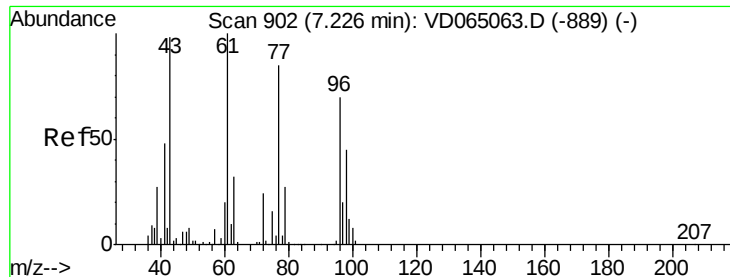
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 95.133 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

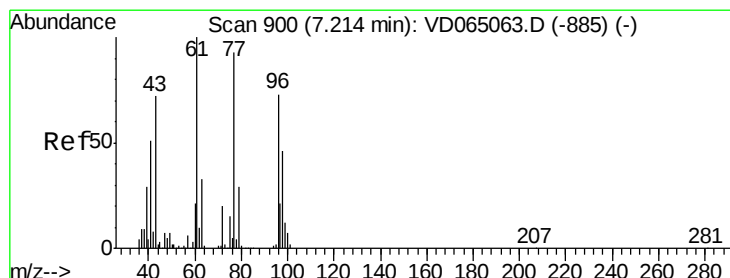
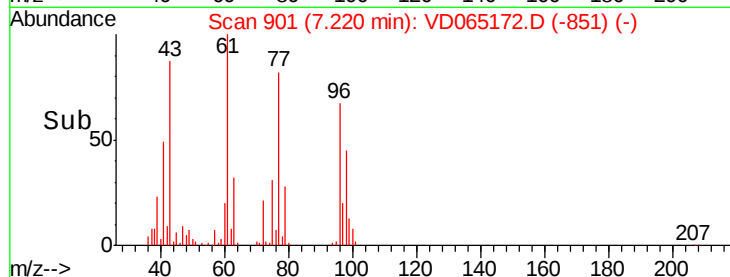
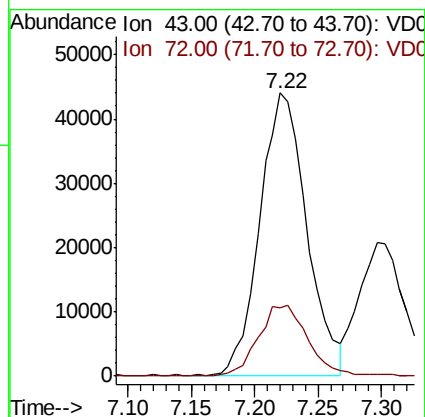
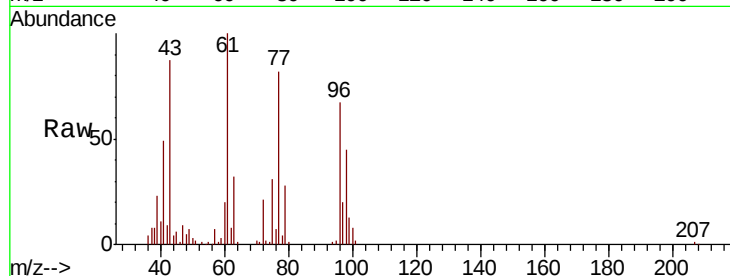
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 114122

Ion Ratio Lower Upper

43 100

72 24.1 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.337 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065172.D

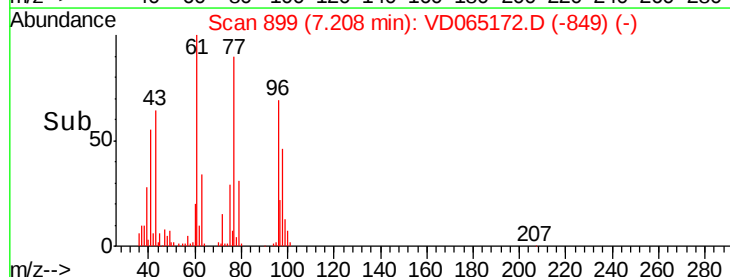
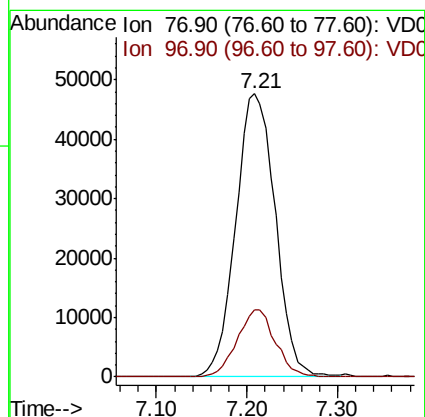
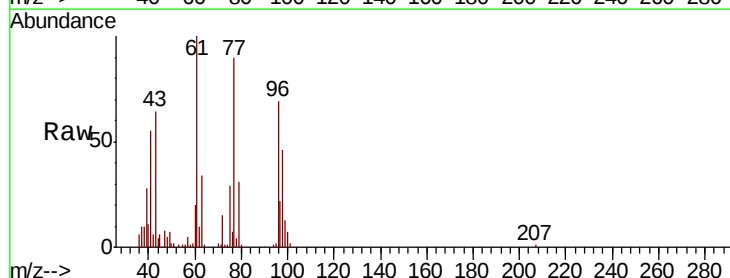
Acq: 13 Feb 2020 11:21

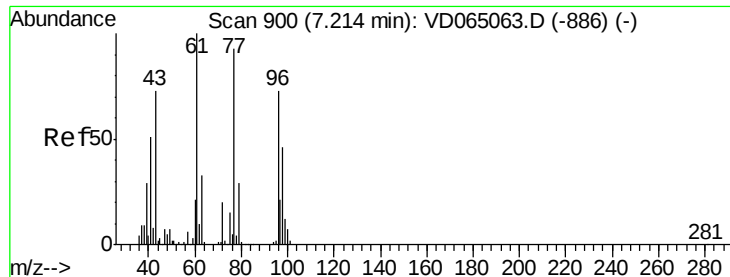
Tgt Ion: 77 Resp: 144497

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.6

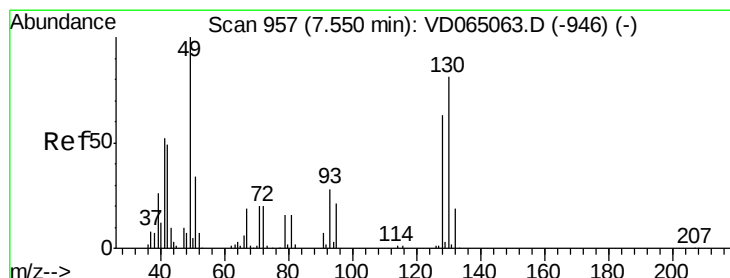
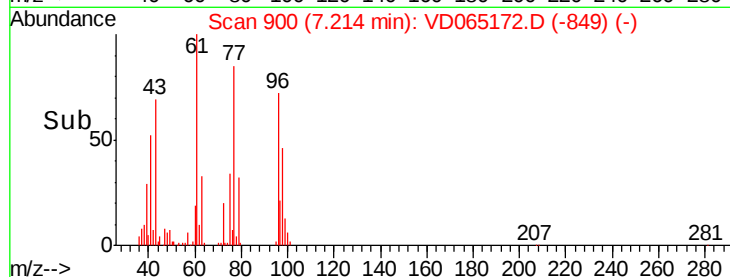
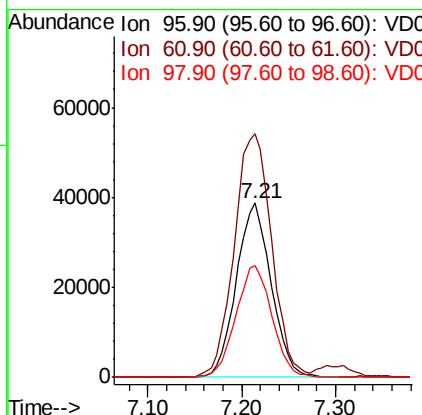
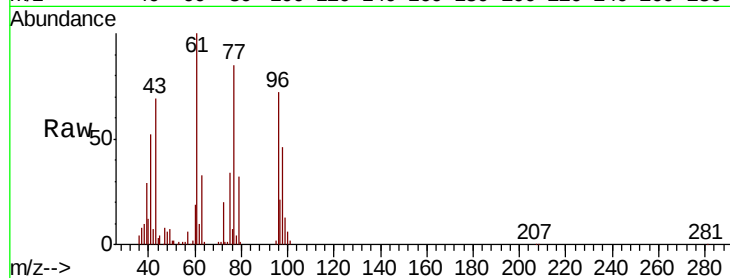




#27
 cis-1,2-Dichloroethene
 Concen: 19.916 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

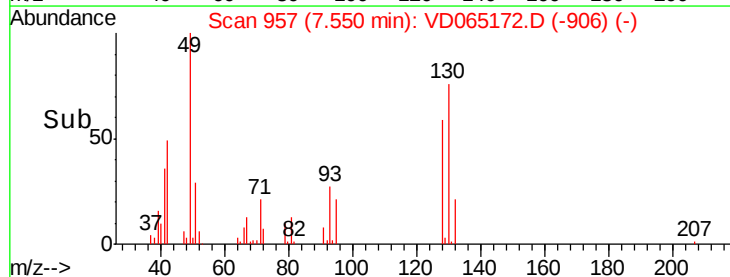
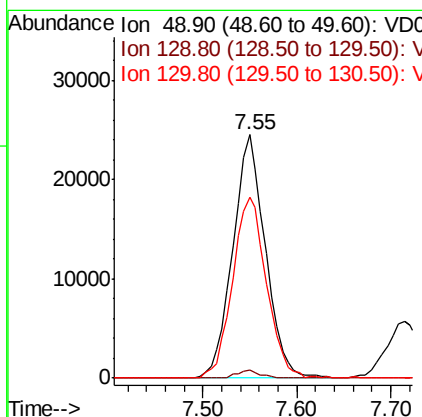
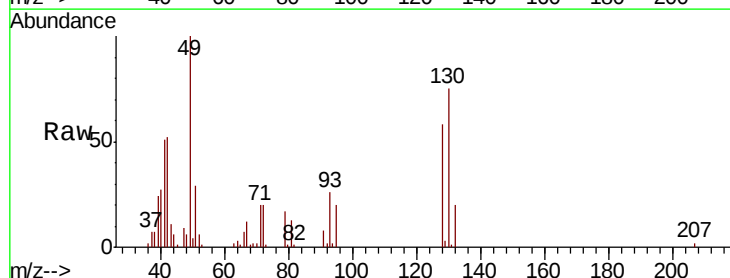
Instrument :
 MSVOA_D
 ClientSampleId :

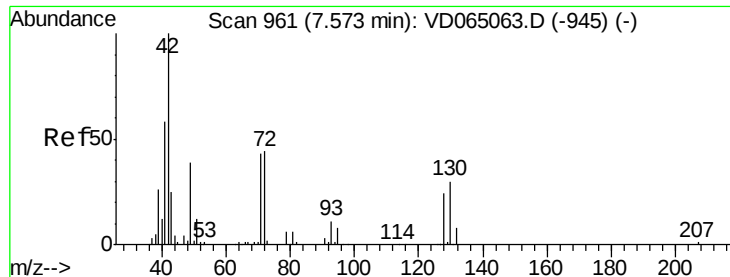
Tot Ion: 96 Resp: 100002
 Ion Ratio Lower Upper
 96 100
 61 149.8 0.0 292.8
 98 65.9 0.0 128.8



#28
 Bromochloromethane
 Concen: 19.596 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion: 49 Resp: 58885
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.4
 130 77.2 63.8 95.8

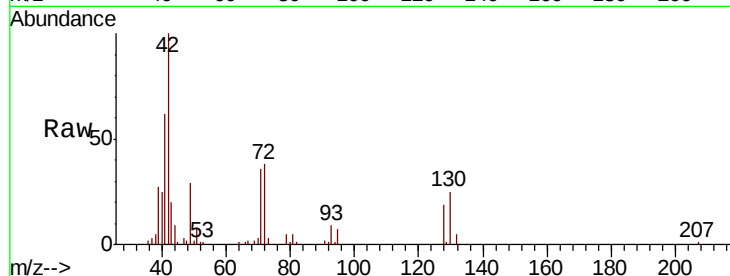




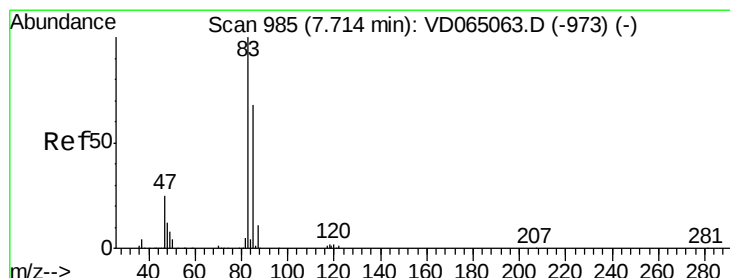
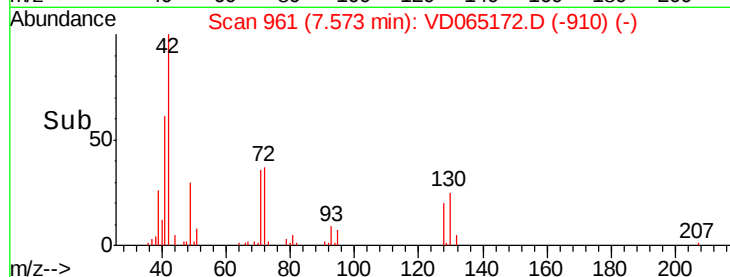
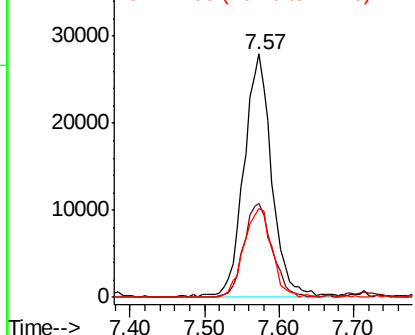
#29
Tetrahydrofuran
Concen: 100.538 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 72935
Ion Ratio Lower Upper
42 100
72 38.6 34.2 51.4
71 36.4 31.8 47.6

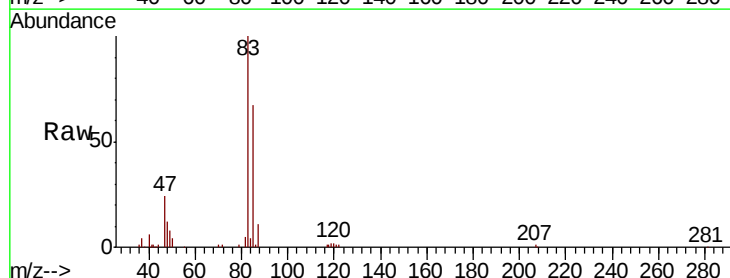


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

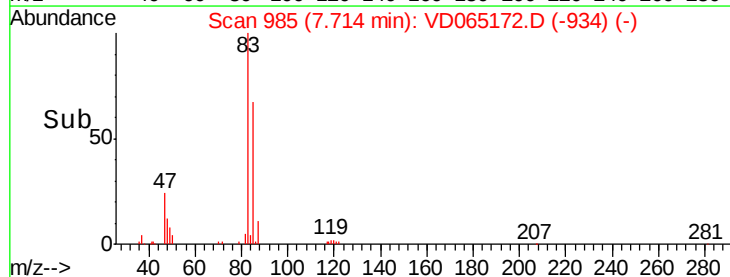
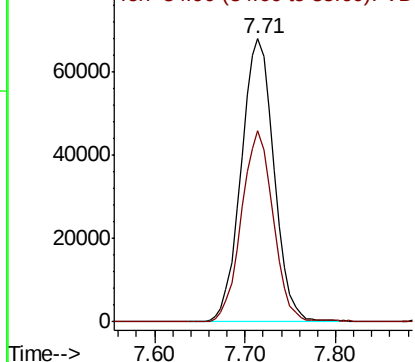


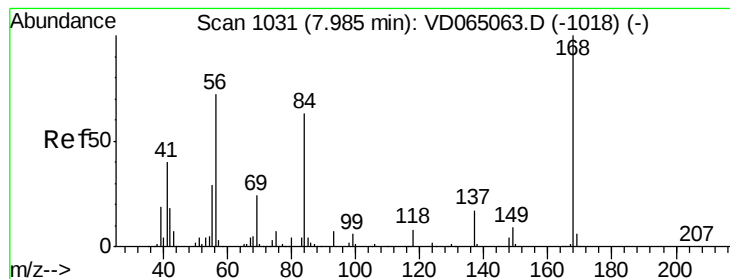
#30
Chloroform
Concen: 21.602 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 83 Resp: 170509
Ion Ratio Lower Upper
83 100
85 67.5 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: 19.904 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampled :

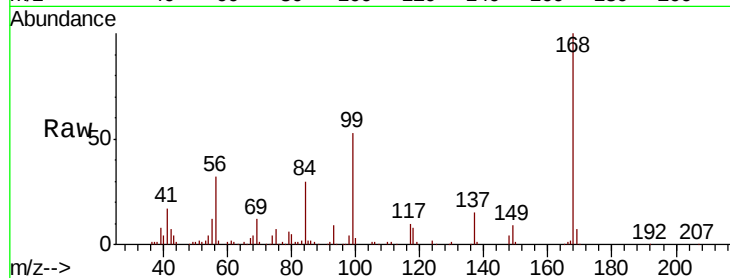
Tot Ion: 56 Resp: 159267

Ion Ratio Lower Upper

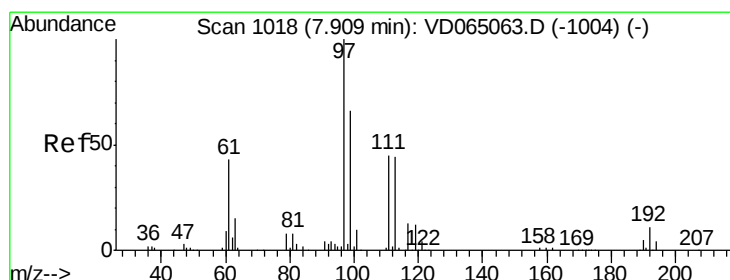
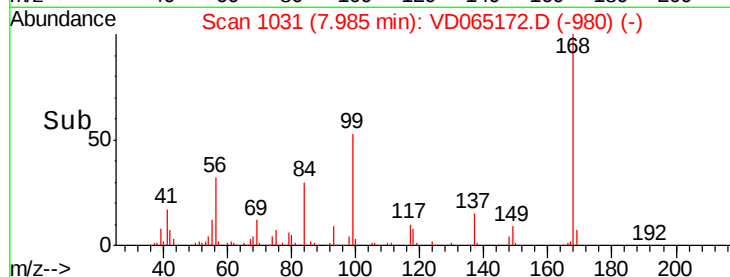
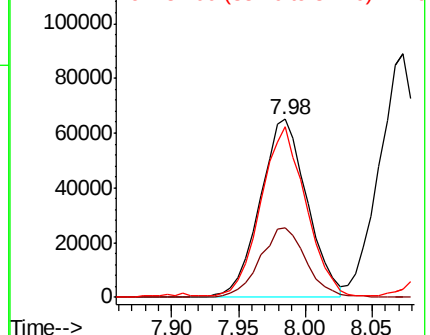
56 100

69 39.0 26.6 40.0

84 94.4 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: 20.727 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

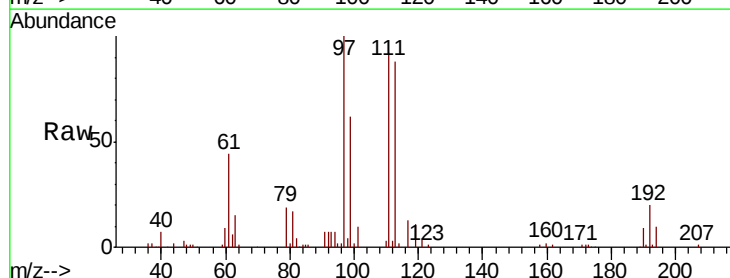
Tgt Ion: 97 Resp: 152392

Ion Ratio Lower Upper

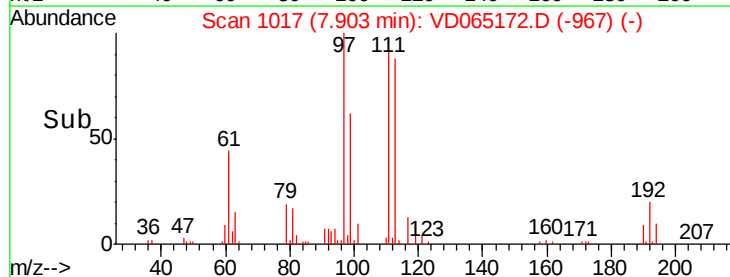
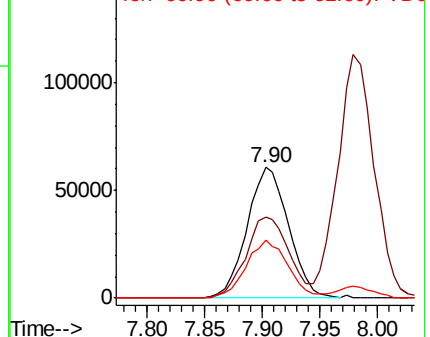
97 100

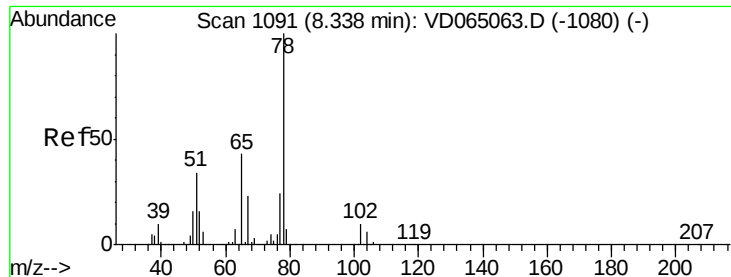
99 65.1 51.5 77.3

61 44.3 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: 53.115 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

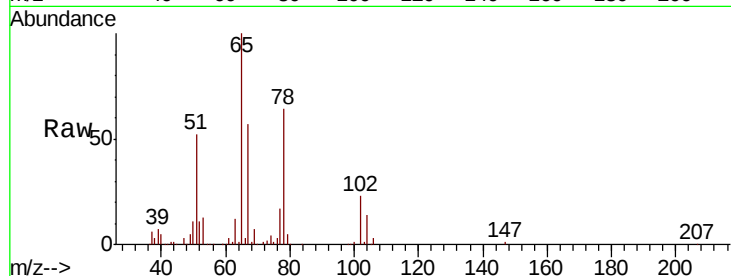
ClientSampled :

Tot Ion: 65 Resp: 213648

Ion Ratio Lower Upper

65 100

67 54.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

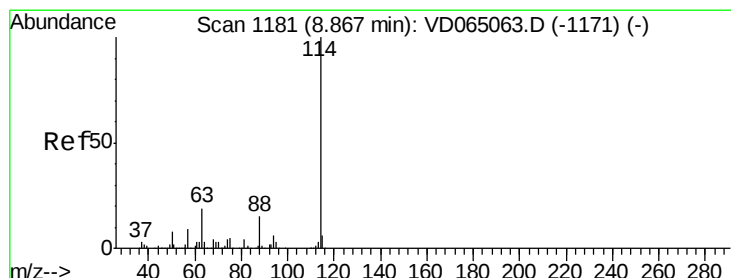
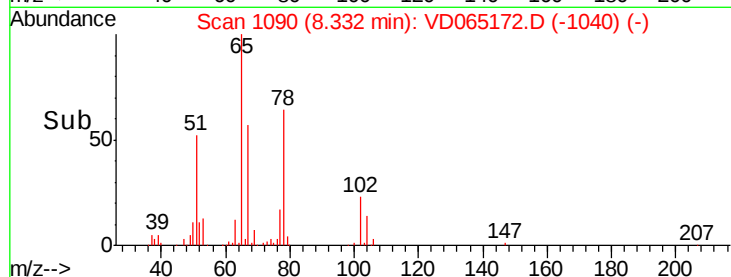
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

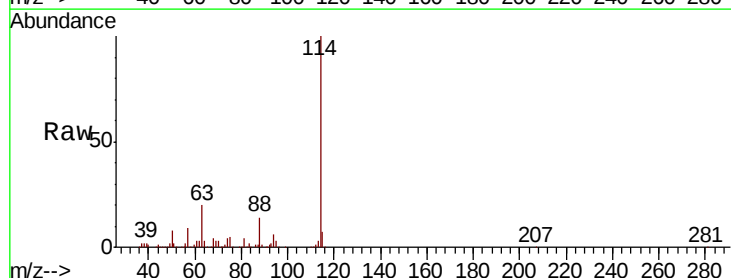
Tgt Ion: 114 Resp: 711862

Ion Ratio Lower Upper

114 100

63 19.8 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

500000

400000

300000

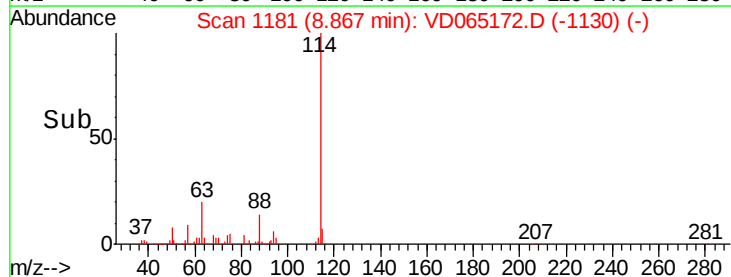
200000

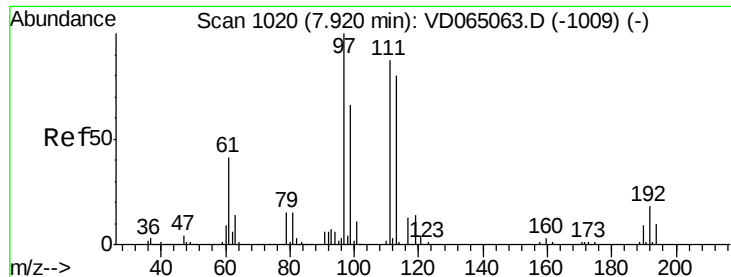
100000

0

8.80 8.90 9.00

Time-->

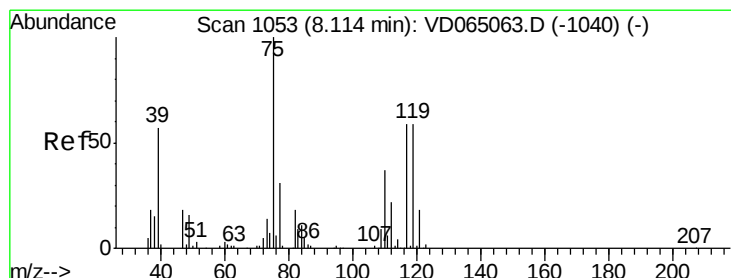
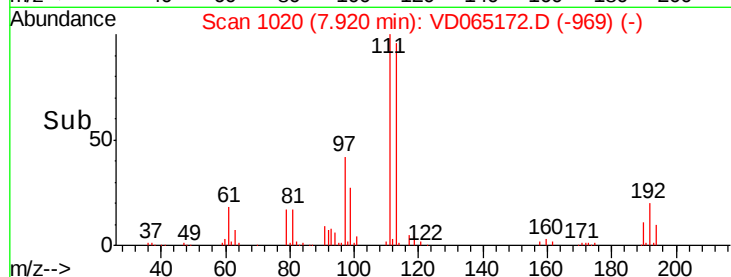
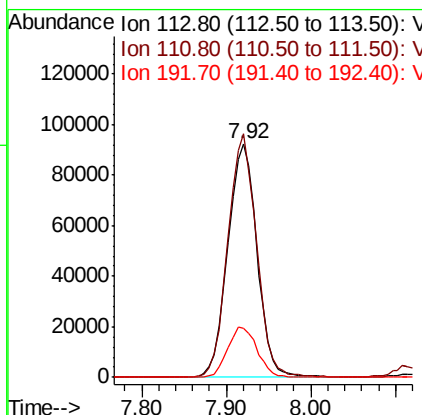
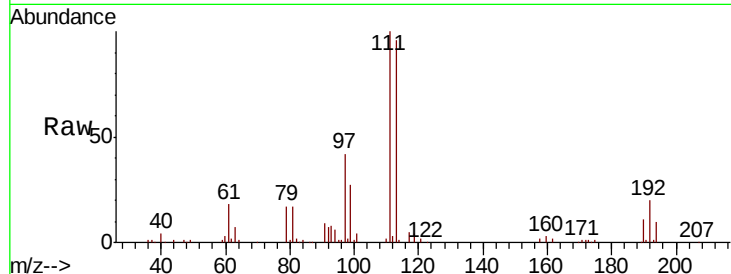




#35
 Dibromofluoromethane
 Concen: 55.392 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

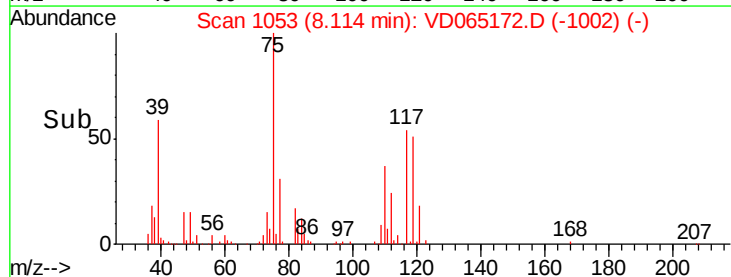
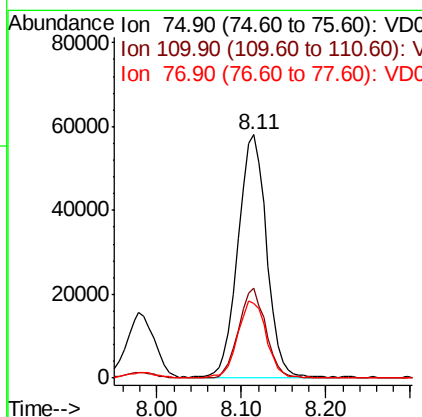
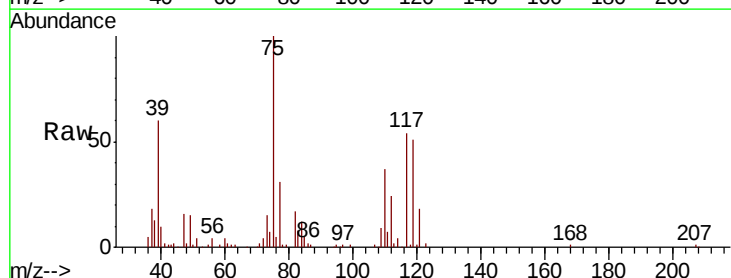
Instrument :
 MSVOA_D
 ClientSampleId :

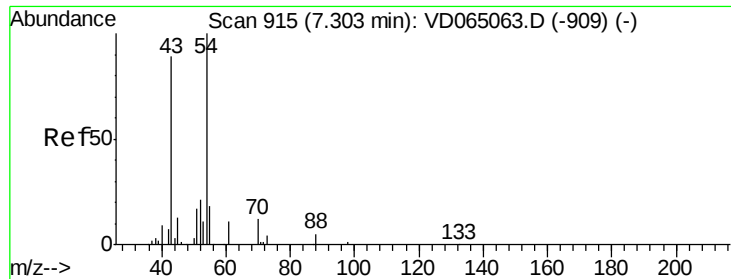
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.1	124.7
192	21.7	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 20.463 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.1	54.3
77	32.0	24.7	37.1

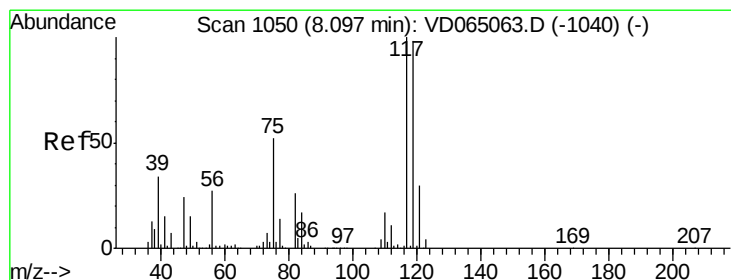
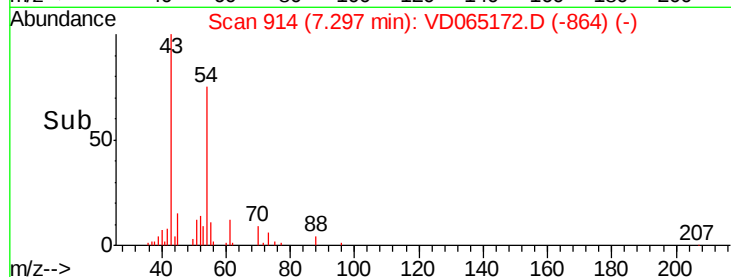
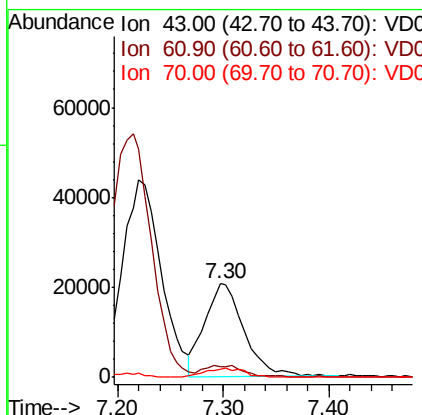
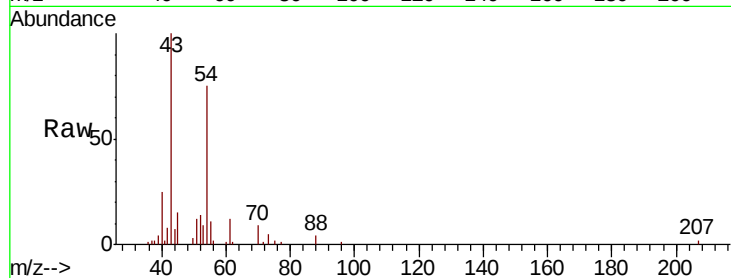




#37
Ethyl Acetate
Concen: 19.753 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

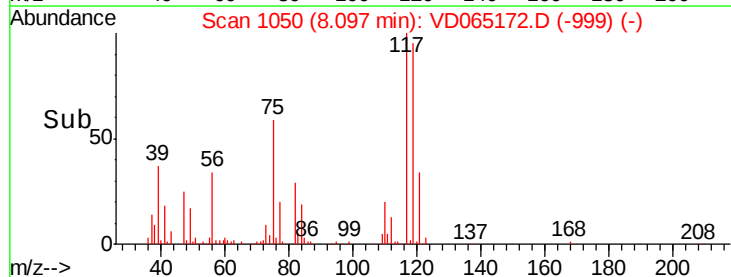
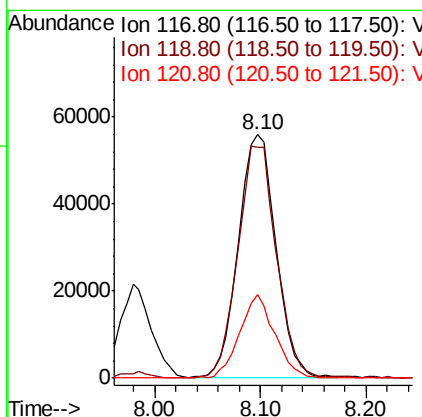
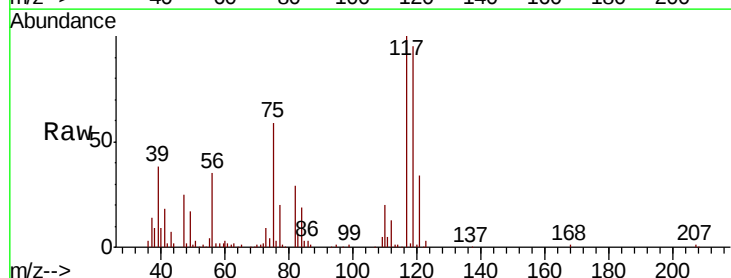
Instrument :
MSVOA_D
ClientSampleId :

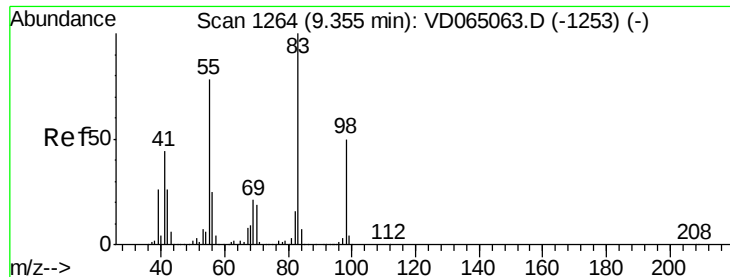
Tot Ion: 43 Resp: 53415
Ion Ratio Lower Upper
43 100
61 10.6 11.0 16.4#
70 9.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.348 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 117 Resp: 137562
Ion Ratio Lower Upper
117 100
119 95.3 78.5 117.7
121 34.3 23.8 35.6

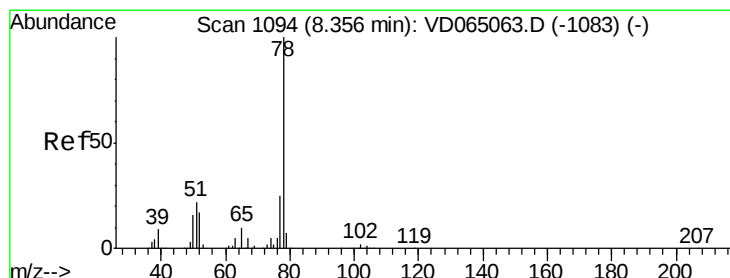
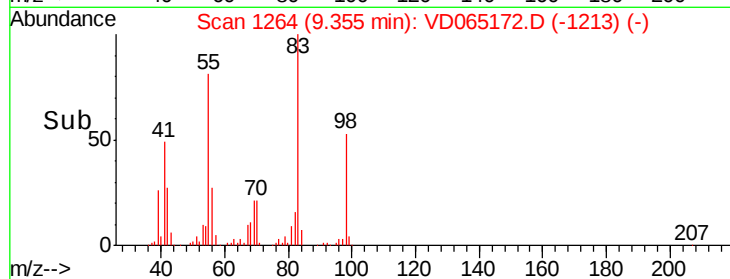
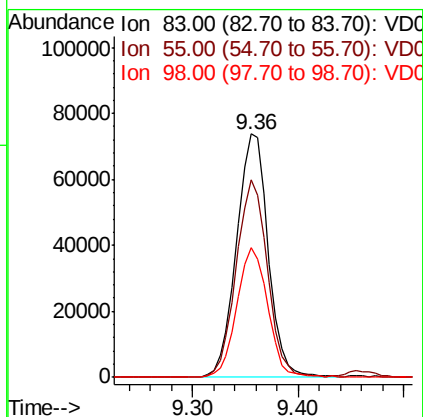
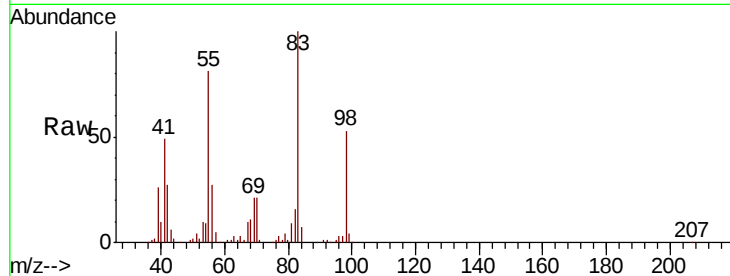




#39
Methvlcvclohexane
Concen: 18.752 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

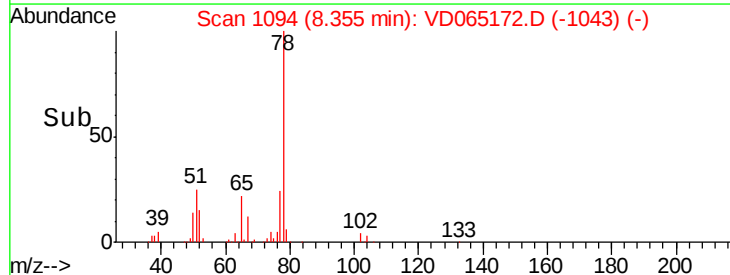
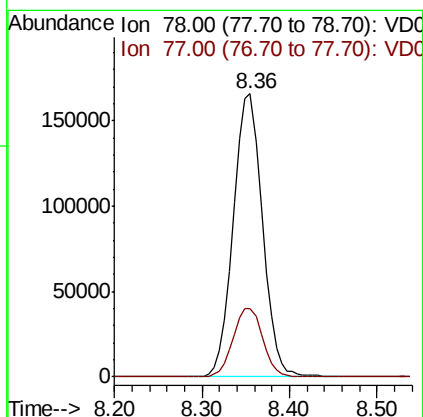
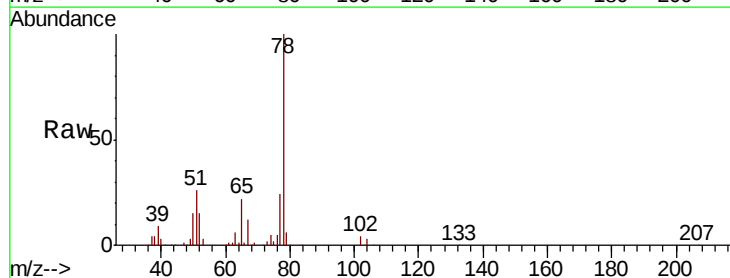
Instrument :
MSVOA_D
ClientSampled :

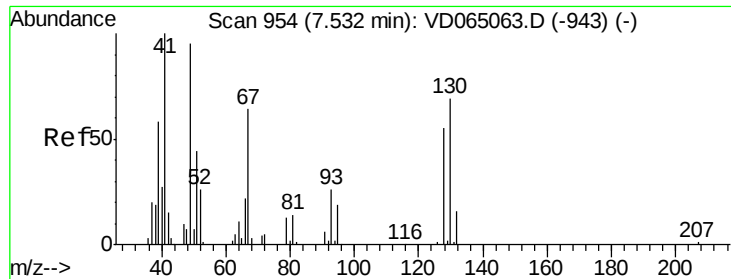
Tot Ion: 83 Resp: 153210
Ion Ratio Lower Upper
83 100
55 81.4 62.0 93.0
98 53.2 39.9 59.9



#40
Benzene
Concen: 20.494 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 78 Resp: 374609
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4

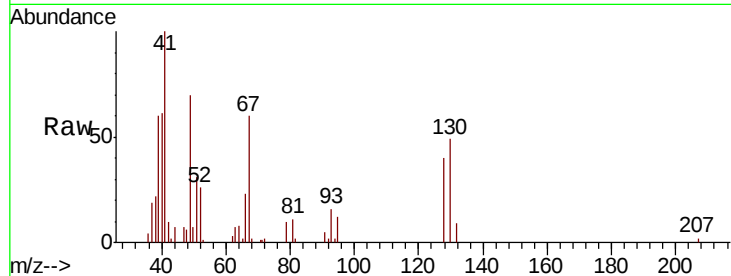




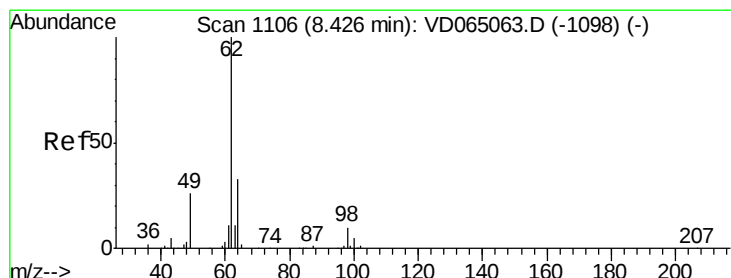
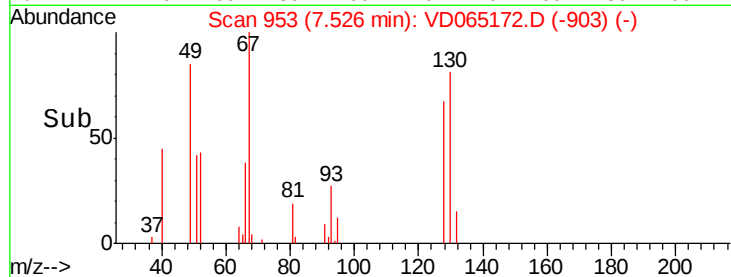
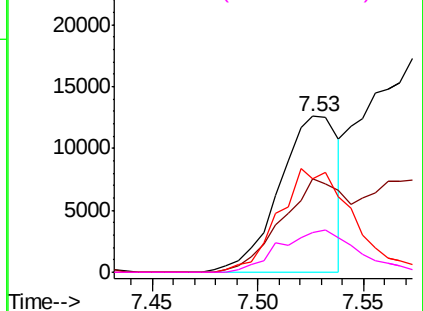
#41
Methacrylonitrile
Concen: 16.471 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	24538
Ion	Ratio	Lower	Upper
41	100		
39	65.3	55.4	83.0
67	83.8	59.0	88.6
52	36.0	25.4	38.0

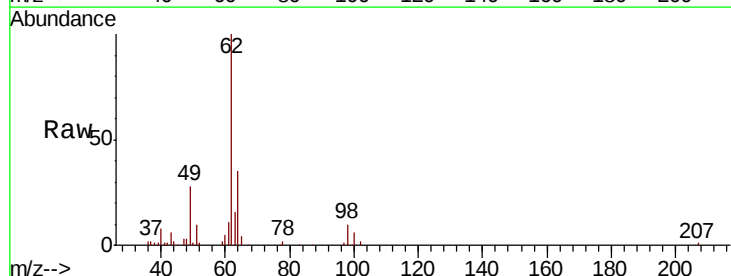


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

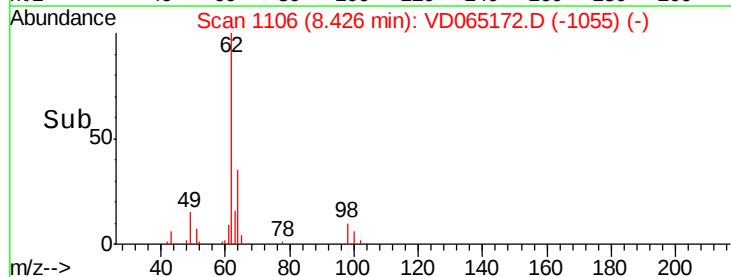
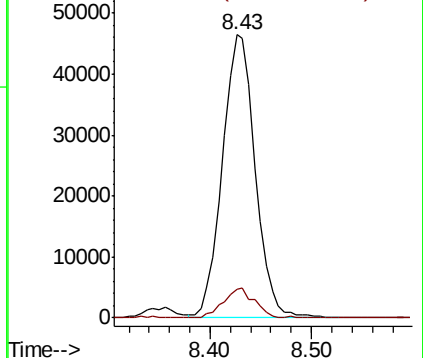


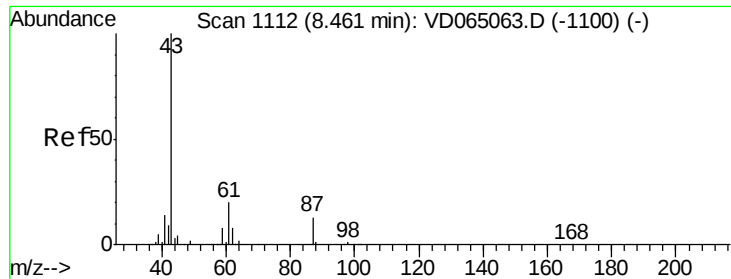
#42
1,2-Dichloroethane
Concen: 20.029 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion:	62	Resp:	104318
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6



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

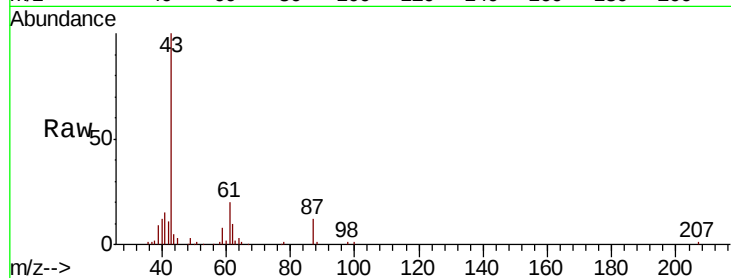




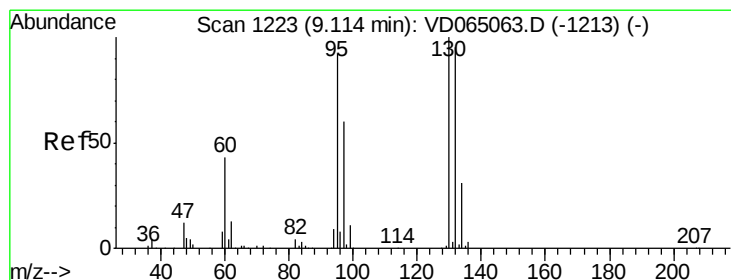
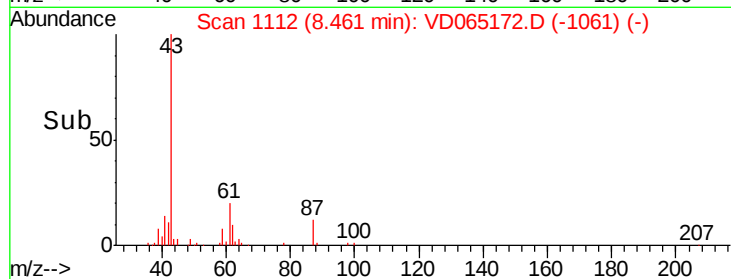
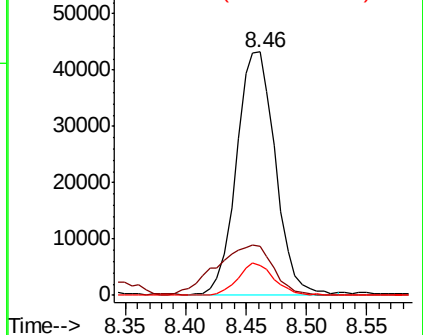
#43
Isopropyl Acetate
Concen: 18.822 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	43	Resp	97364
Ion Ratio	100	Lower	Upper
61	30.1	24.0	36.0
87	12.3	10.2	15.4

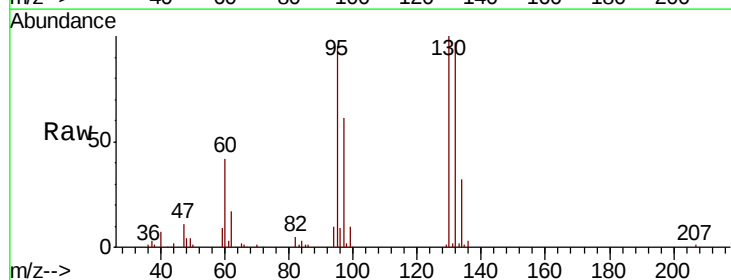


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

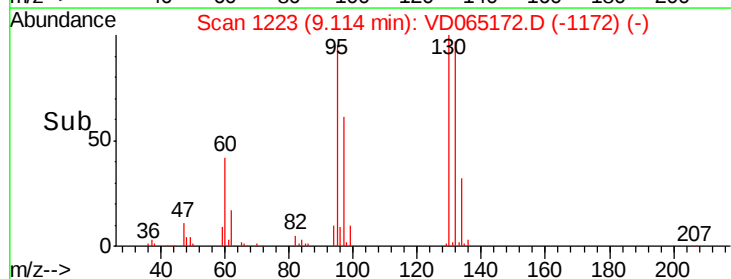
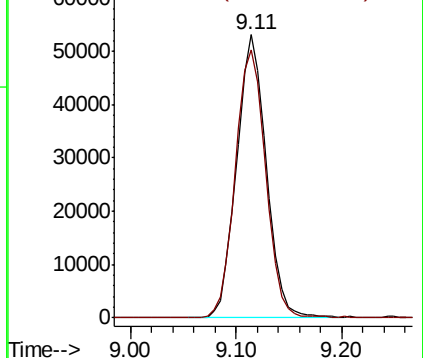


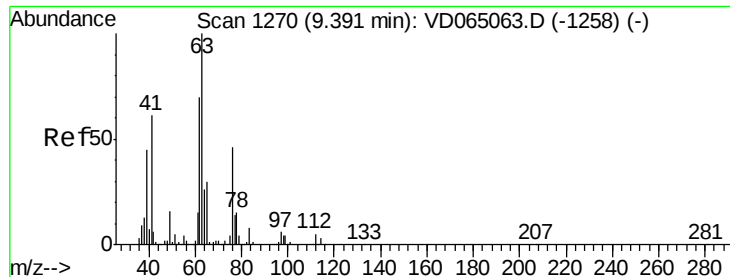
#44
Trichloroethene
Concen: 19.697 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	130	Resp	103346
Ion Ratio	100	Lower	Upper
95	94.8	0.0	185.0



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

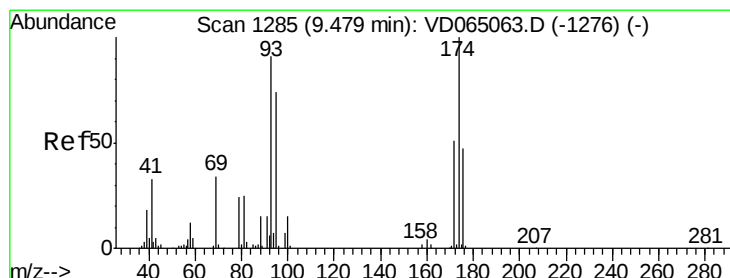
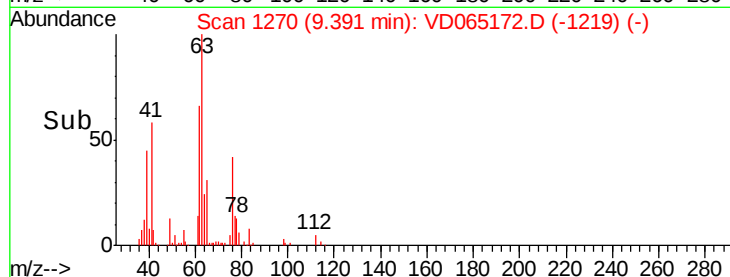
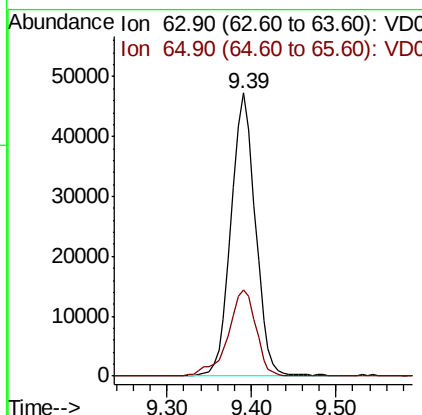
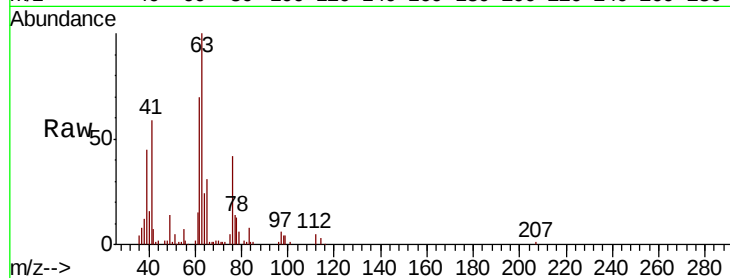




#45
 1,2-Dichloropropane
 Concen: 21.410 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

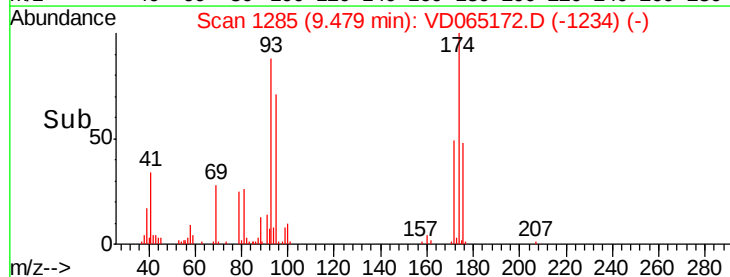
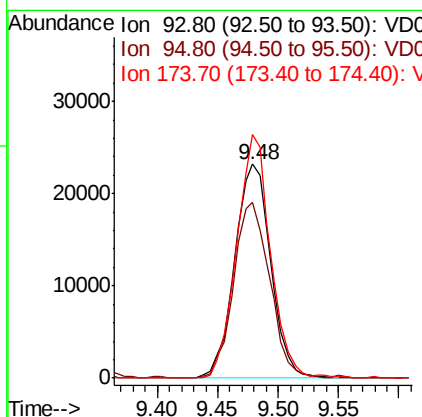
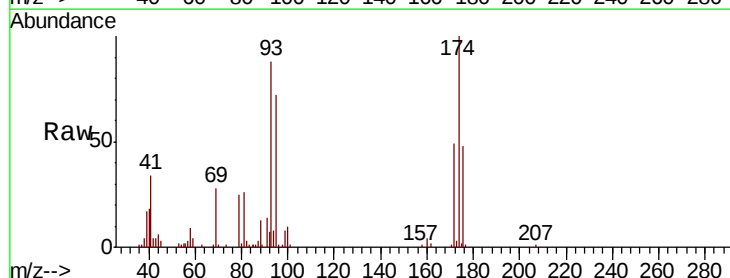
Instrument :
 MSVOA_D
 ClientSampled :

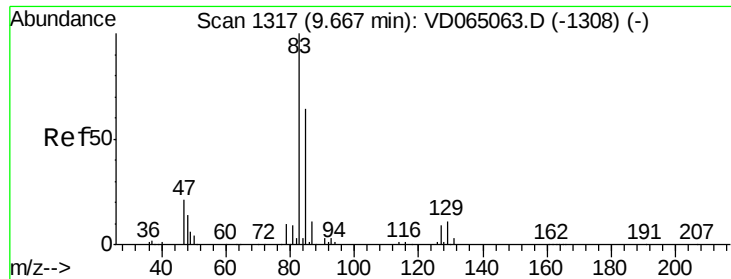
Tot Ion: 63 Resp: 93832
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.9 35.9



#46
 Dibromomethane
 Concen: 20.933 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion: 93 Resp: 48208
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.5 99.7
 174 107.0 89.8 134.8

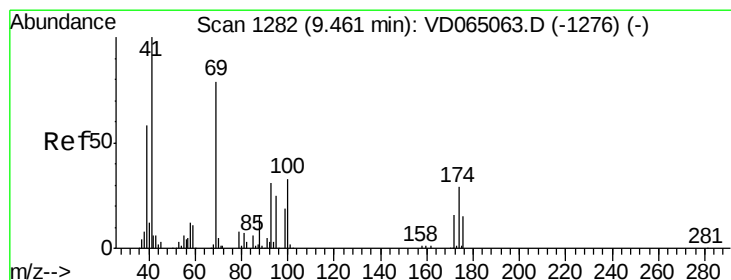
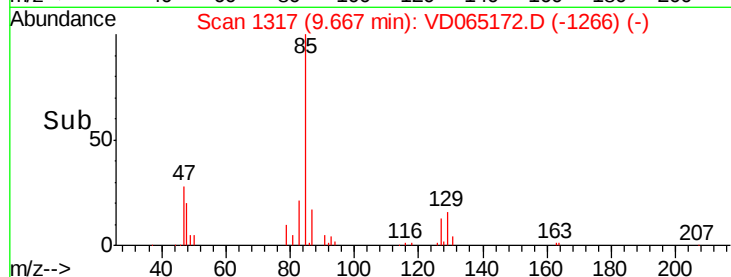
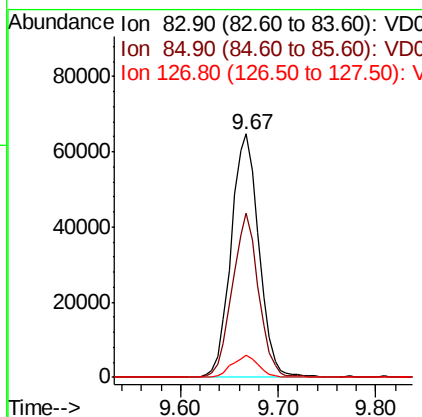
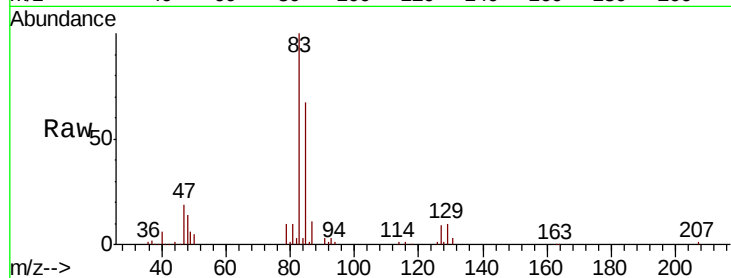




#47
Bromodichloromethane
Concen: 20.992 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

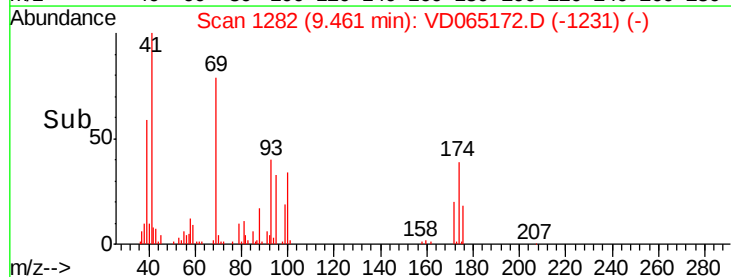
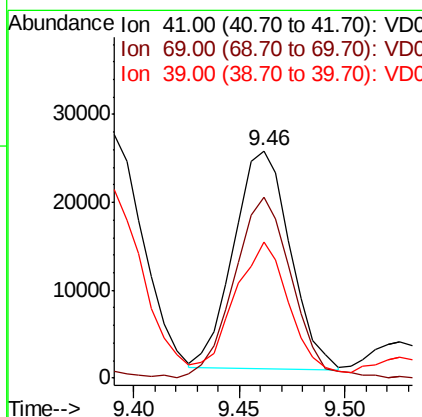
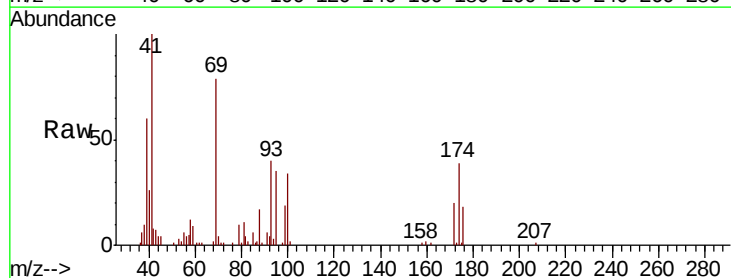
Instrument :
MSVOA_D
ClientSampleId :

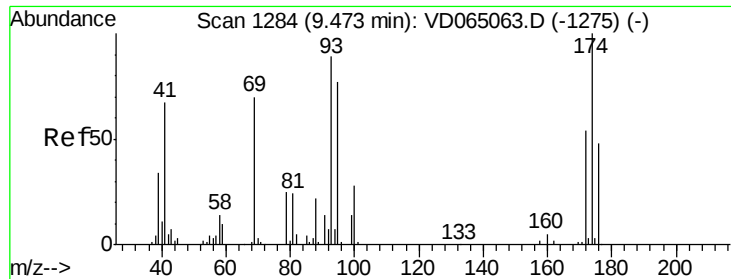
Tot Ion: 83 Resp: 127381
Ion Ratio Lower Upper
83 100
85 67.3 51.0 76.6
127 8.9 7.3 10.9



#48
Methyl methacrylate
Concen: 18.458 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 41 Resp: 45945
Ion Ratio Lower Upper
41 100
69 85.1 67.5 101.3
39 57.1 47.0 70.4





#49

1,4-Dioxane

Concen: 385.826 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :

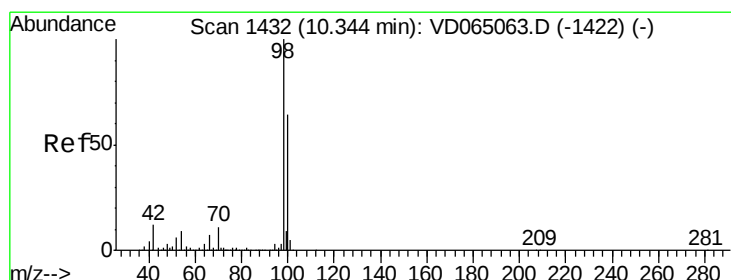
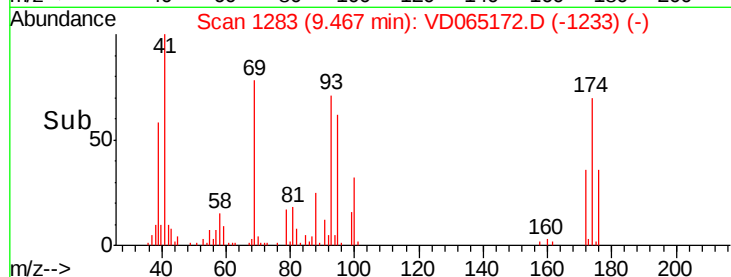
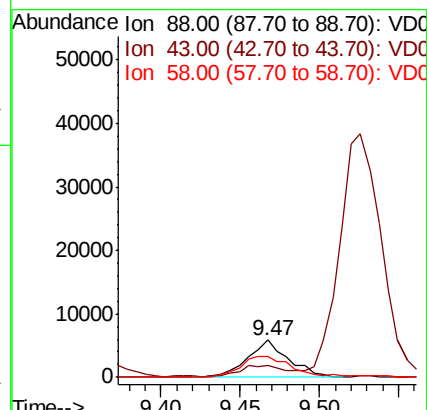
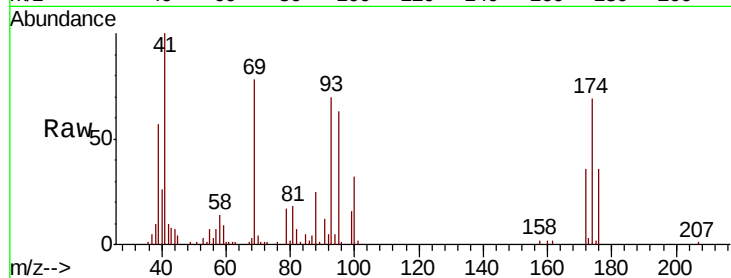
Tot Ion: 88 Resp: 10524

Ion Ratio Lower Upper

88 100

43 37.0 27.7 41.5

58 71.9 55.5 83.3



#50

Toluene-d8

Concen: 54.624 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065172.D

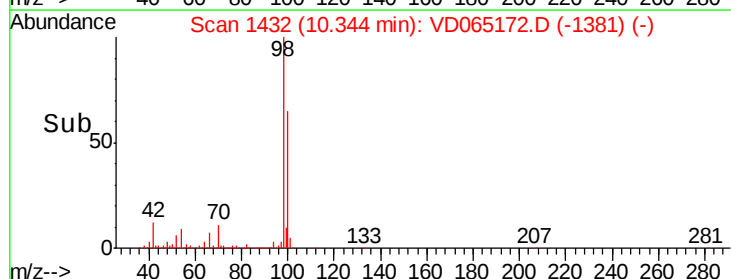
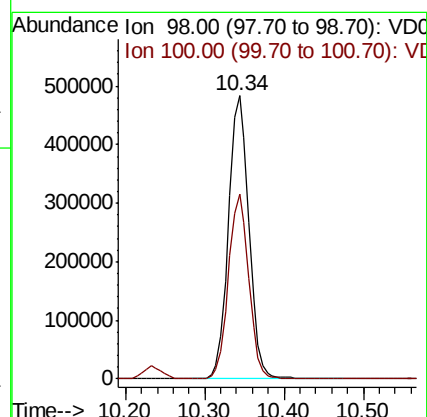
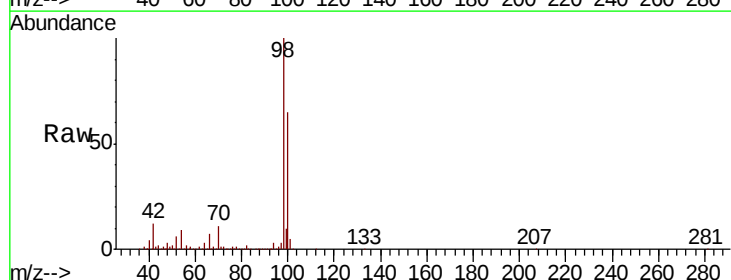
Acq: 13 Feb 2020 11:21

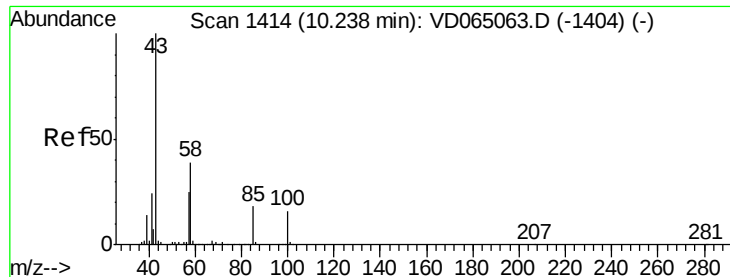
Tgt Ion: 98 Resp: 863529

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 97.663 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

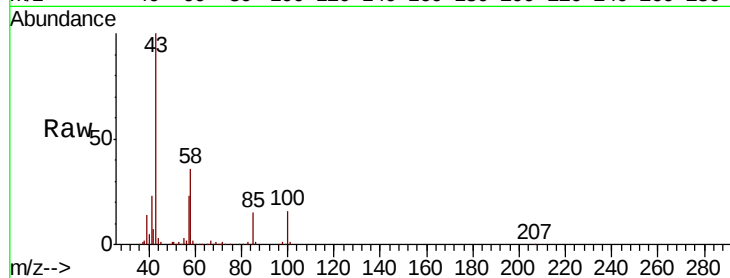
ClientSampleId :

Tot Ion: 43 Resp: 248670

Ion Ratio Lower Upper

43 100

58 37.3 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

150000

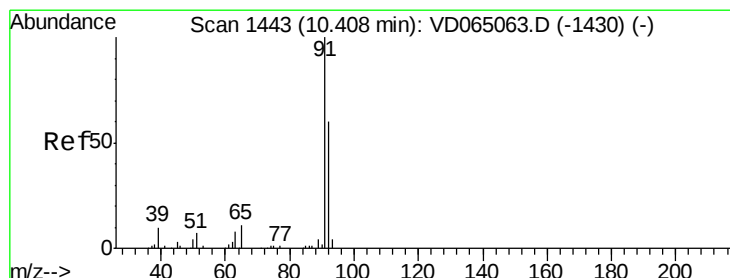
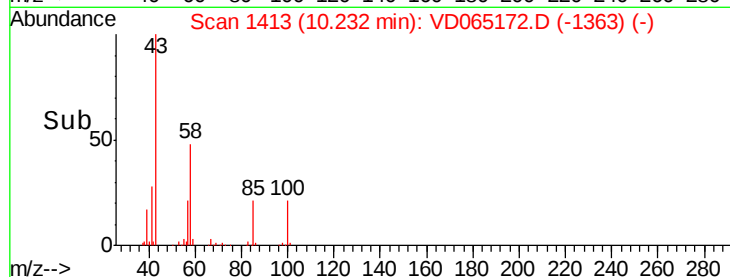
100000

50000

0

10.20 10.30

Time-->



#52

Toluene

Concen: 20.957 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065172.D

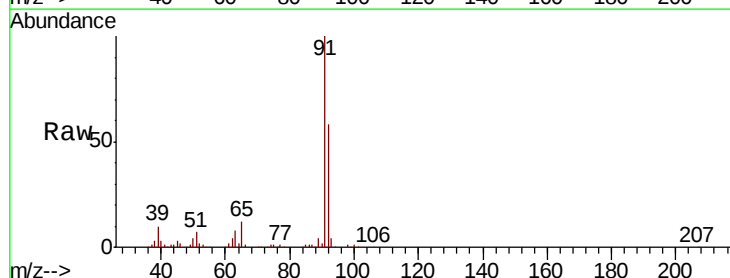
Acq: 13 Feb 2020 11:21

Tgt Ion: 92 Resp: 244496

Ion Ratio Lower Upper

92 100

91 168.0 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

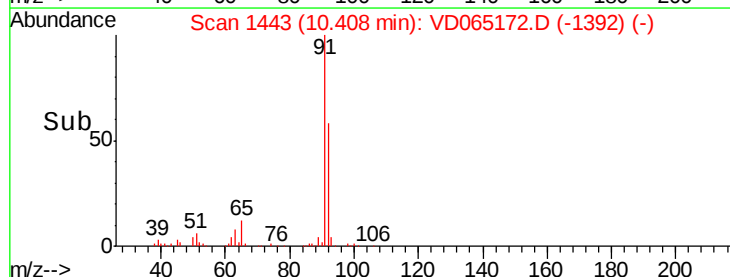
100000

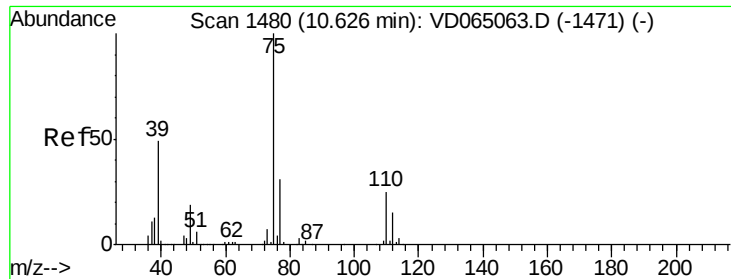
50000

0

10.30 10.40 10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.908 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

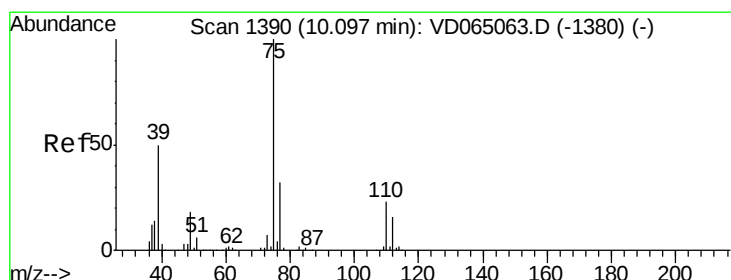
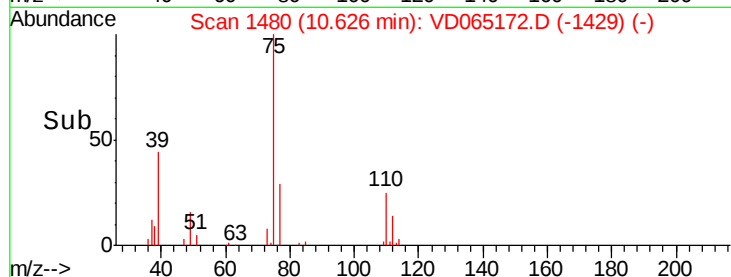
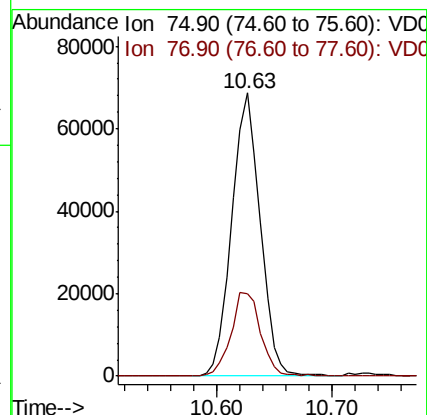
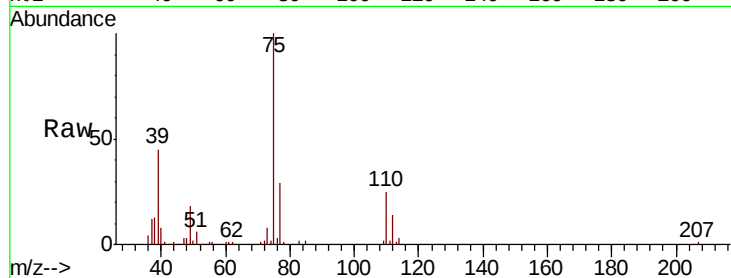
ClientSampleId :

Tot Ion: 75 Resp: 117614

Ion Ratio Lower Upper

75 100

77 29.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.331 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

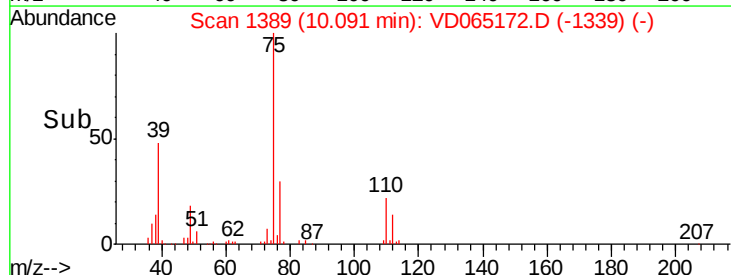
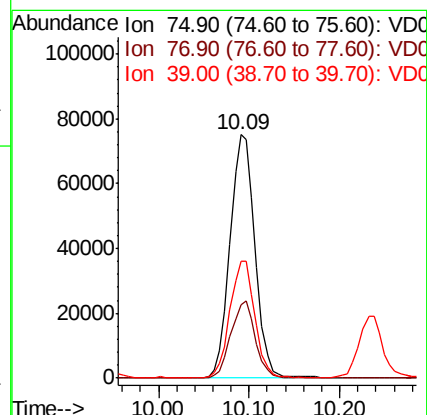
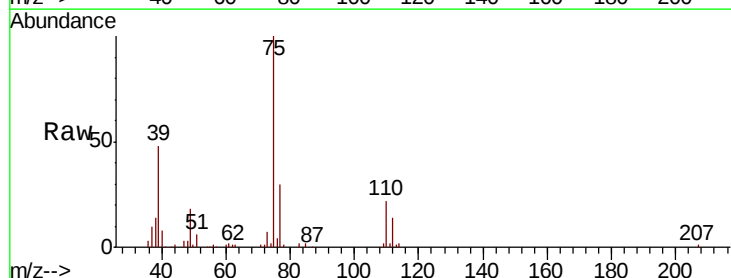
Tgt Ion: 75 Resp: 143656

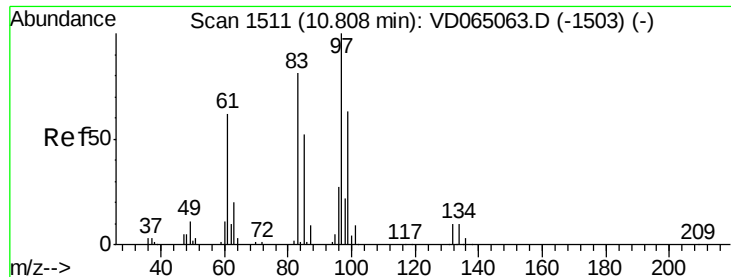
Ion Ratio Lower Upper

75 100

77 30.3 25.3 37.9

39 48.3 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 20.667 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 65282

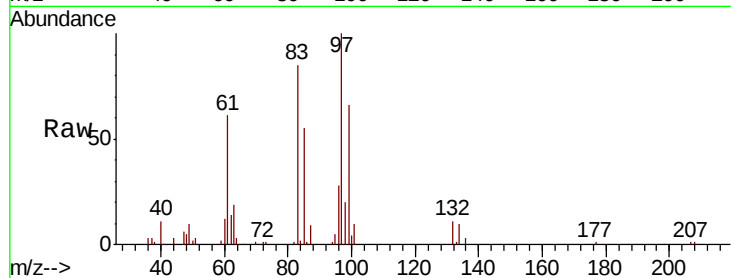
Ion Ratio Lower Upper

97 100

83 84.5 64.8 97.2

85 54.6 41.2 61.8

99 66.5 50.3 75.5



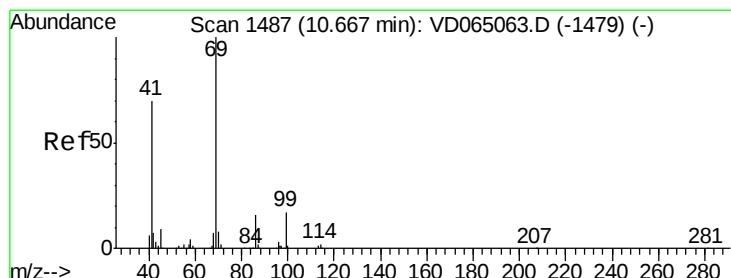
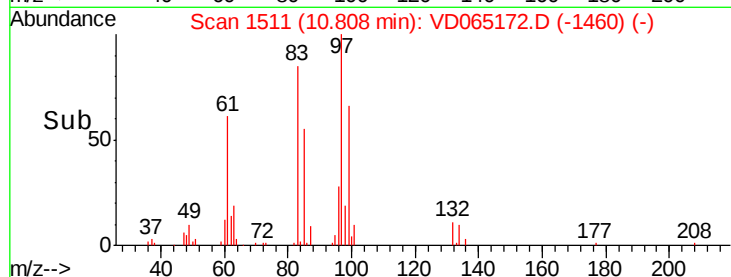
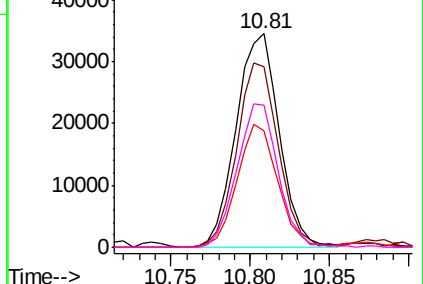
Abundance

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: 18.549 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

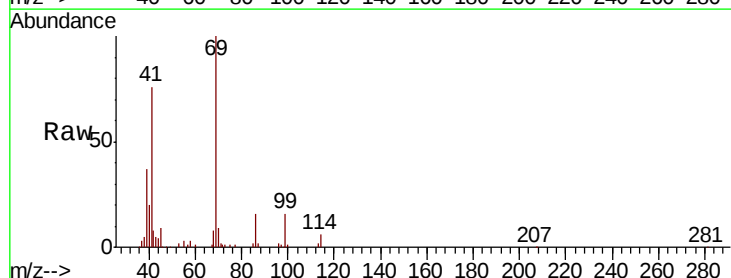
Tgt Ion: 69 Resp: 74137

Ion Ratio Lower Upper

69 100

41 72.9 55.9 83.9

39 34.0 29.4 44.0

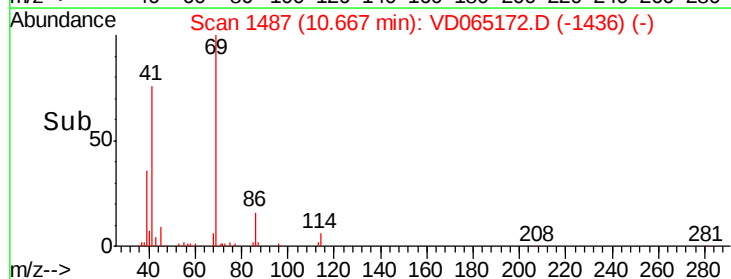
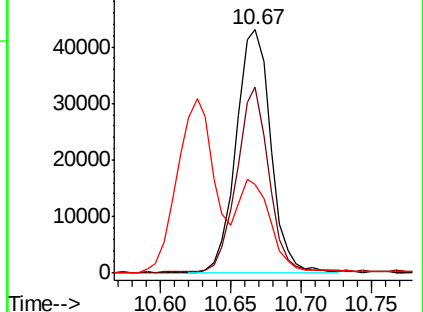


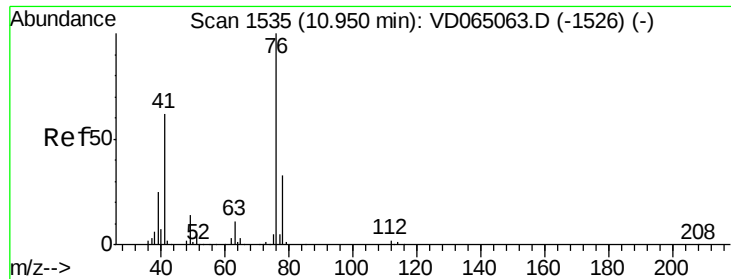
Abundance

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

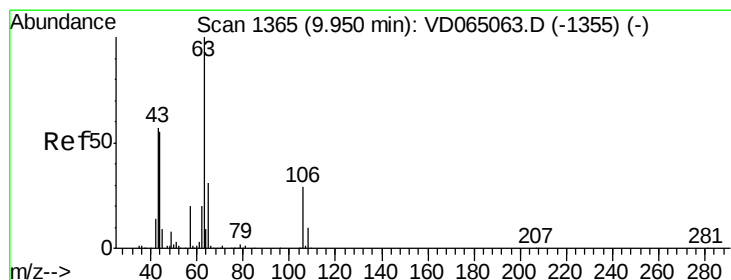
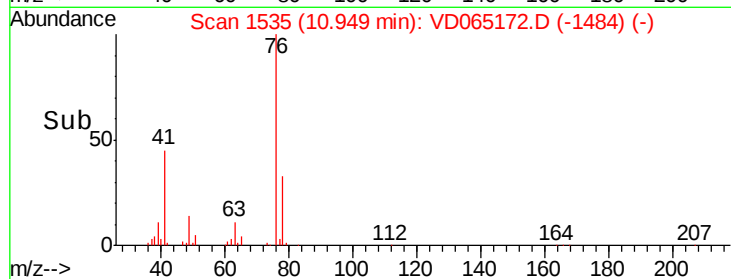
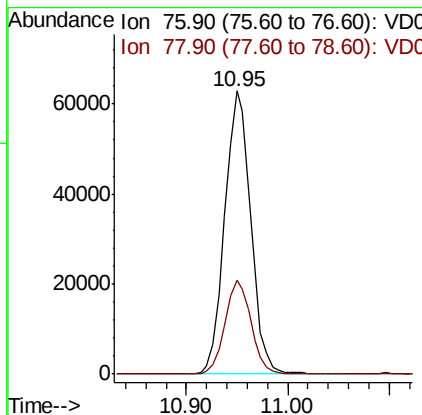
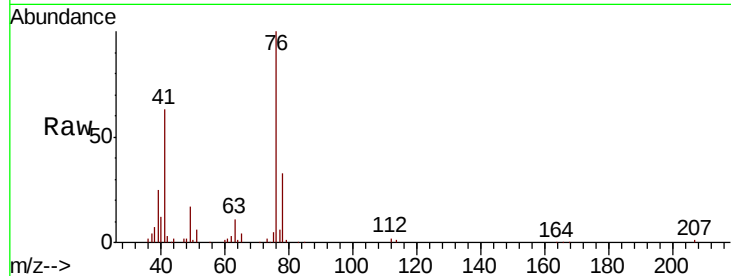




#57
 1,3-Dichloropropane
 Concen: 20.139 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

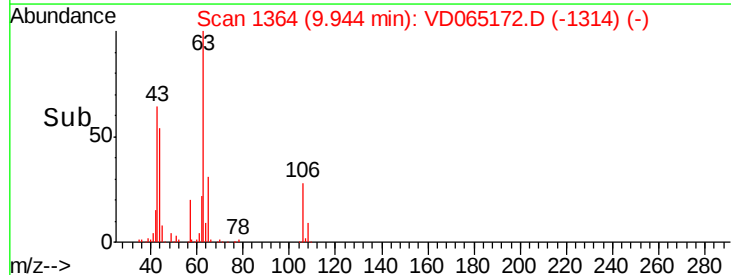
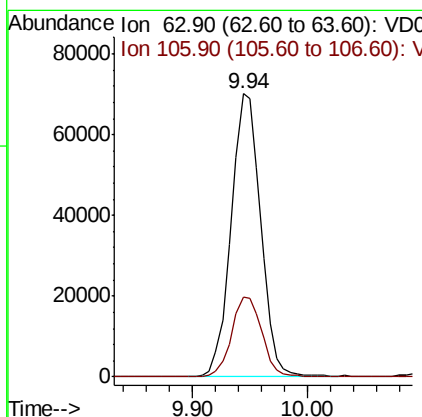
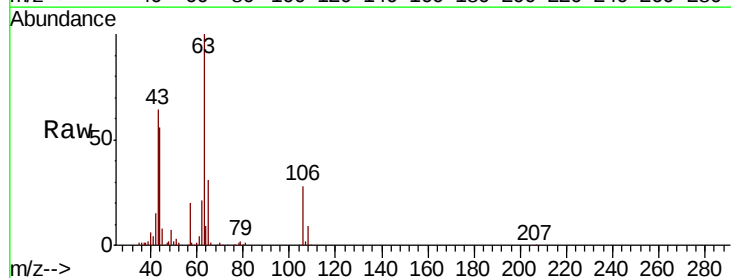
Instrument :
 MSVOA_D
 ClientSampleId :

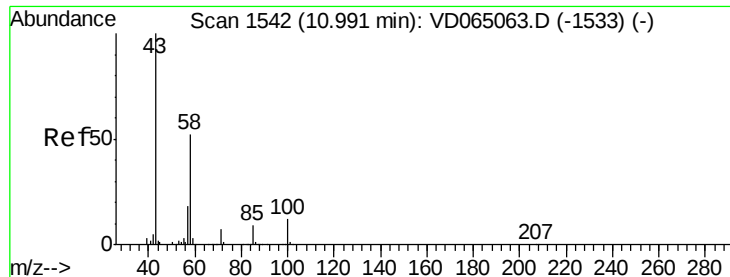
Tot Ion: 76 Resp: 111863
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.768 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion: 63 Resp: 124494
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.3 34.9

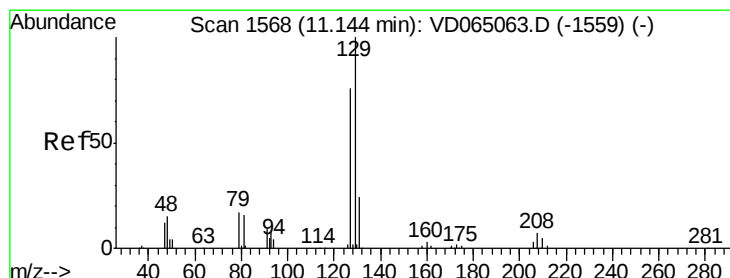
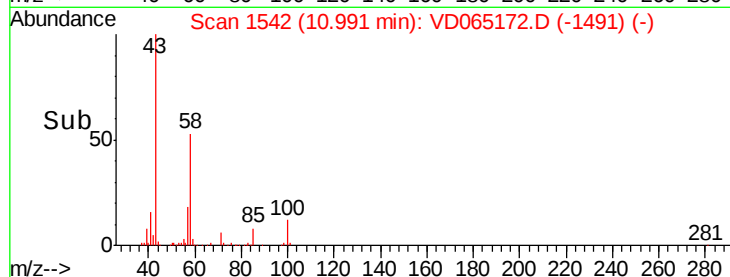
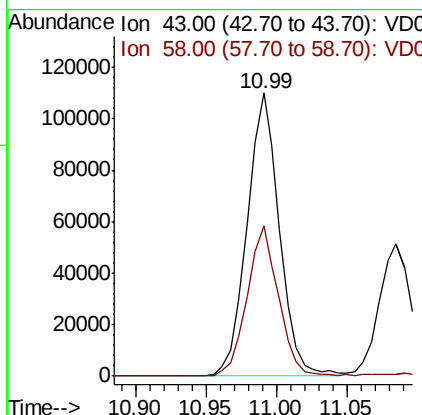
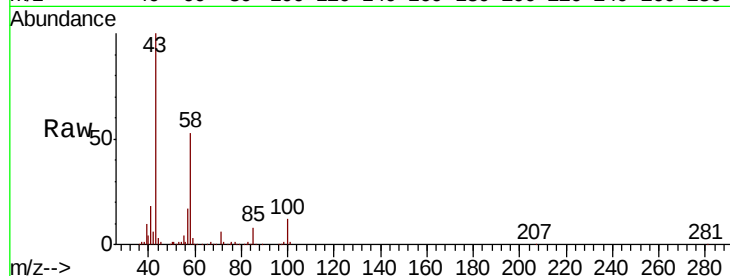




#59
2-Hexanone
Concen: 97.940 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

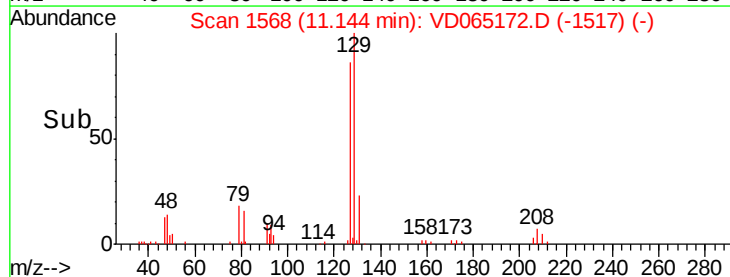
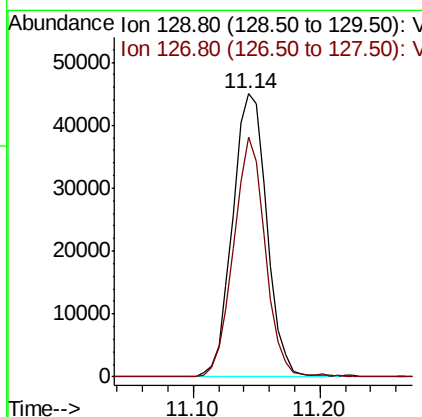
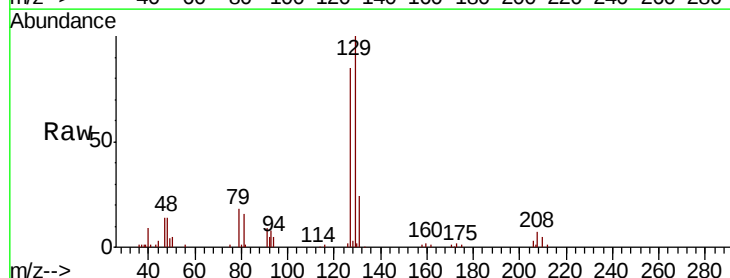
Instrument :
MSVOA_D
ClientSampleId :

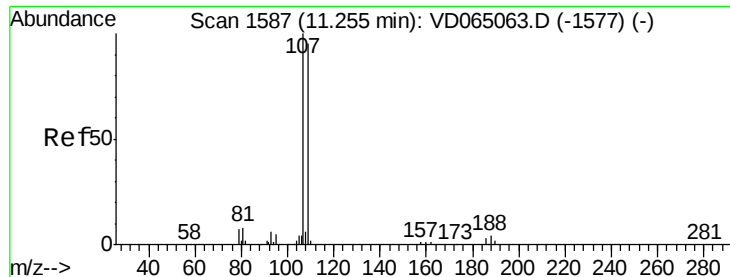
Tot Ion: 43 Resp: 176638
Ion Ratio Lower Upper
43 100
58 51.4 26.2 78.6



#60
Dibromochloromethane
Concen: 20.533 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 129 Resp: 84008
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.9

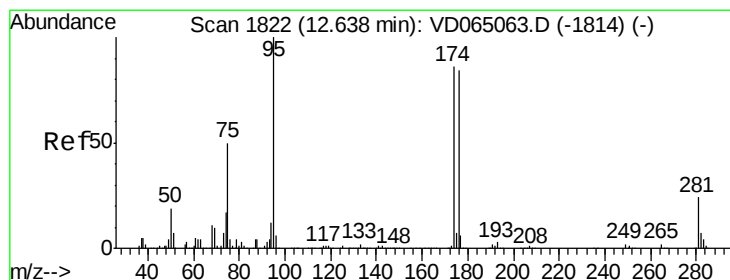
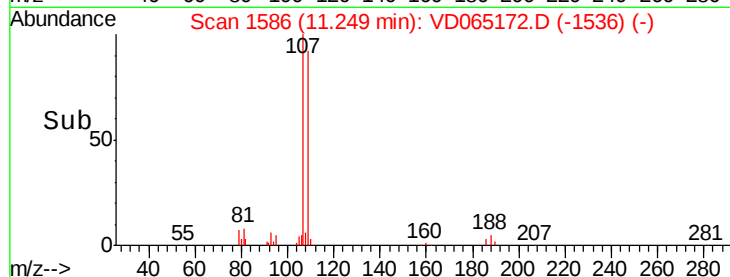
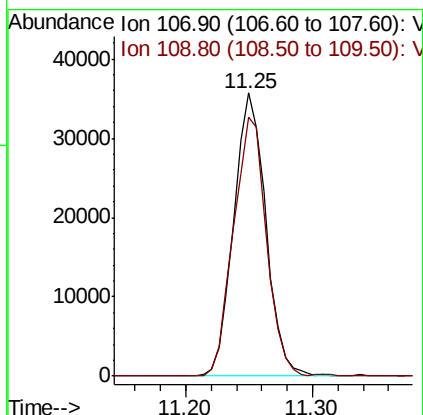
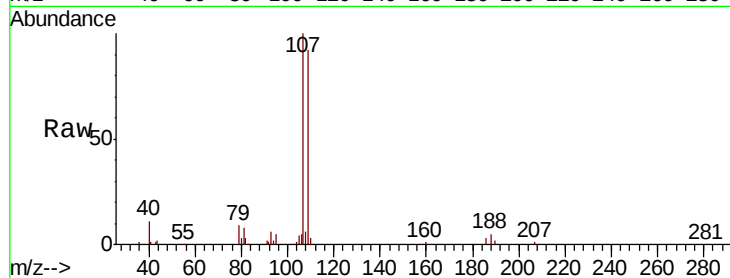




#61
 1,2-Dibromoethane
 Concen: 20.234 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

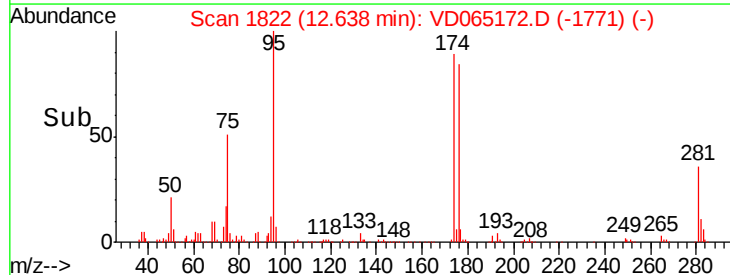
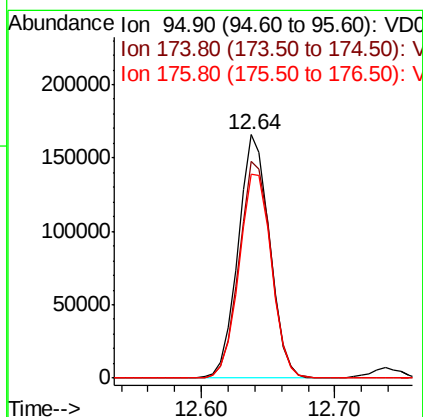
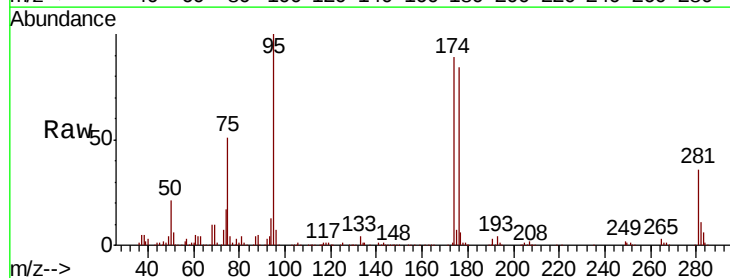
Instrument :
 MSVOA_D
 ClientSampleId :

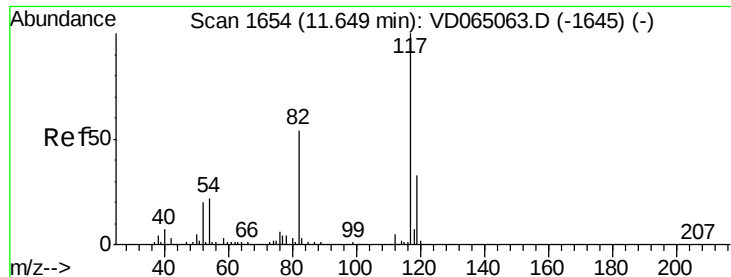
Tot Ion: 107 Resp: 62454
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 53.918 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion: 95 Resp: 270088
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 180.0
 176 86.5 0.0 173.2

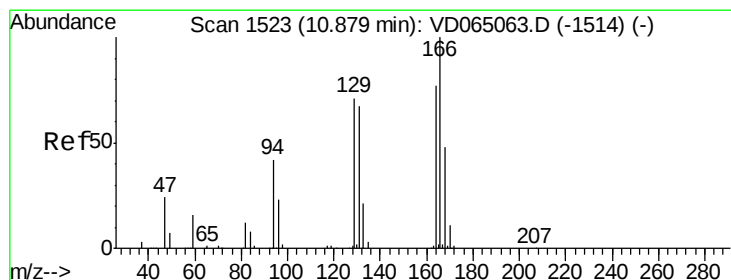
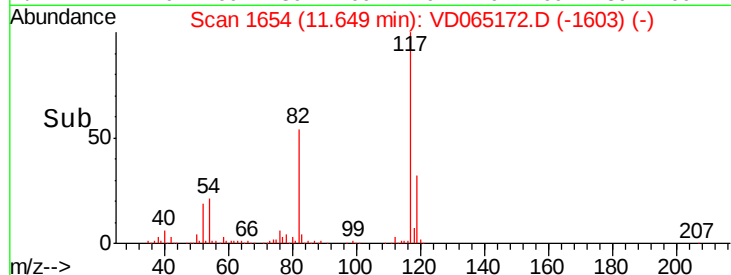
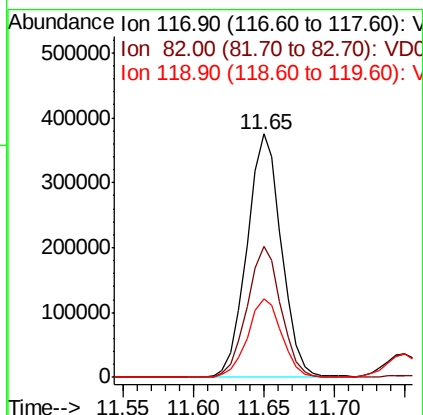
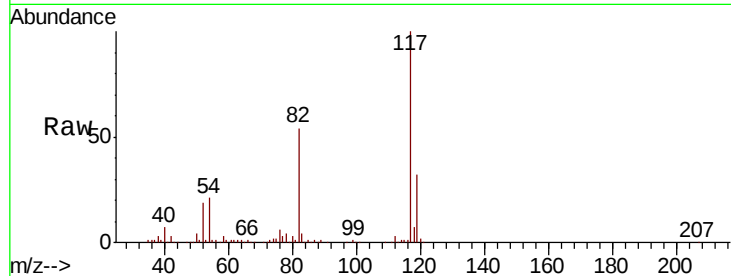




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

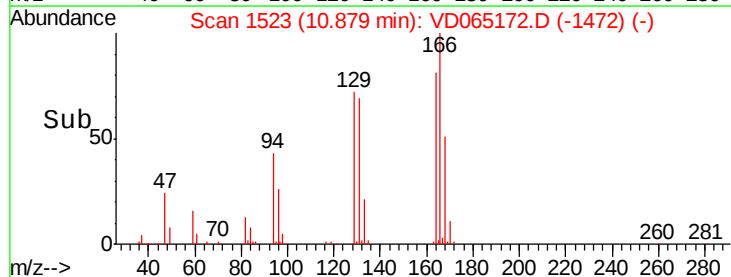
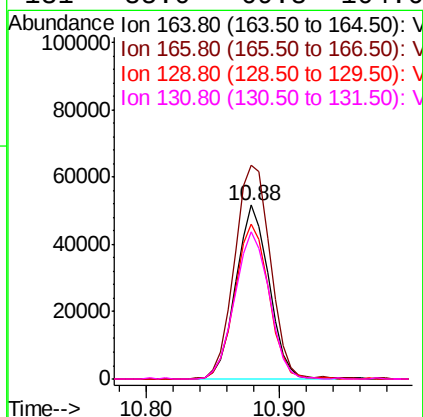
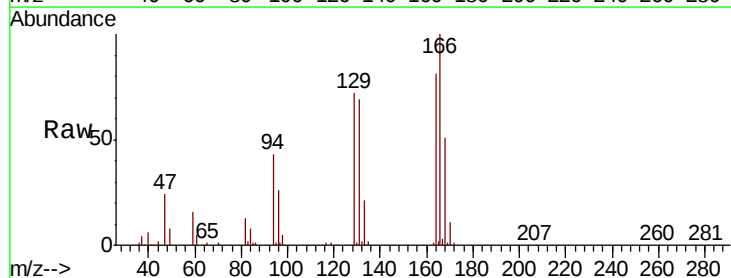
Instrument :
MSVOA_D
ClientSampled :

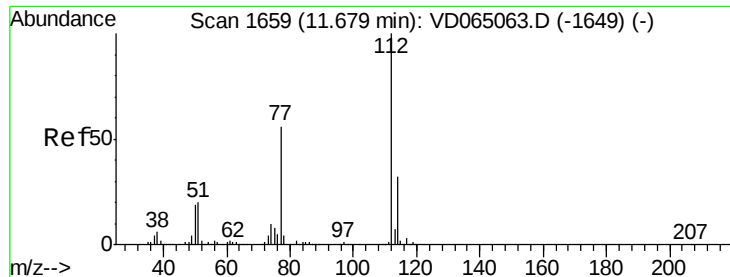
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.1	64.7
119	32.4	26.0	39.0



#64
Tetrachloroethene
Concen: 19.240 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	103.5	155.3
129	88.9	73.3	109.9
131	85.0	69.8	104.6

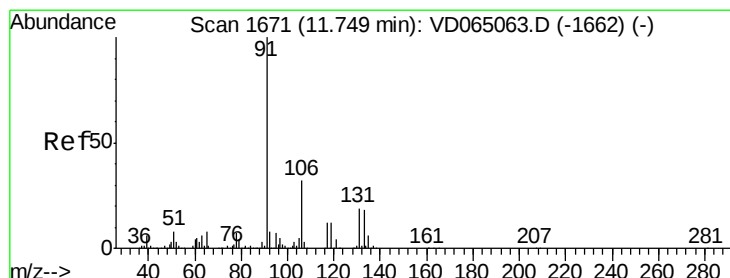
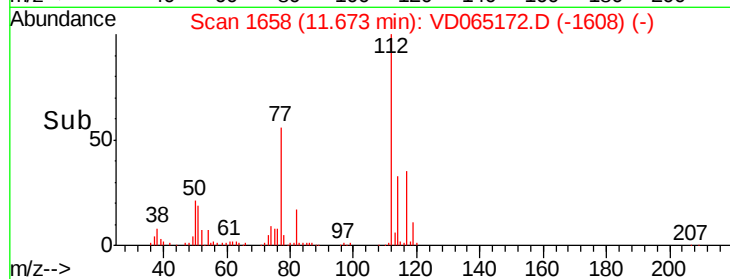
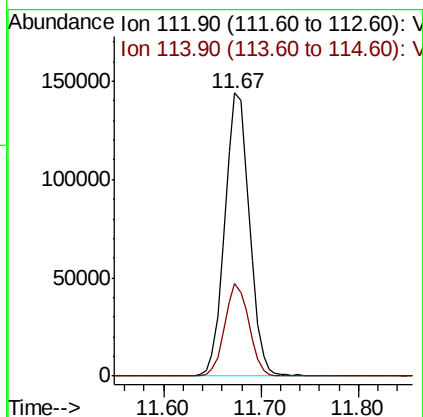
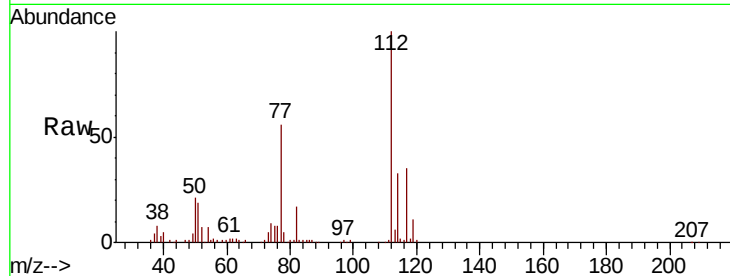




#65
Chlorobenzene
Concen: 20.326 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

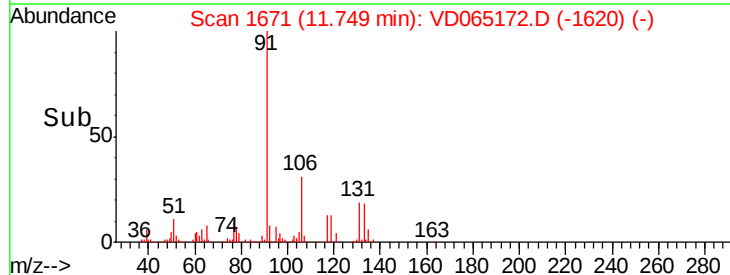
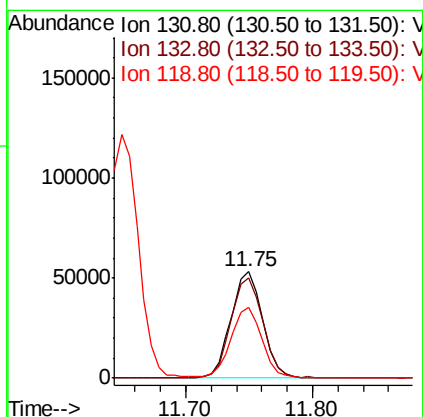
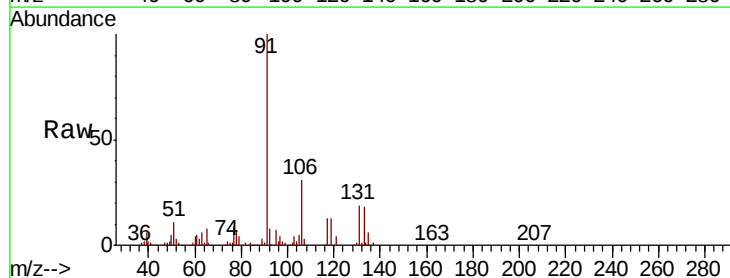
Instrument :
MSVOA_D
ClientSampleID :

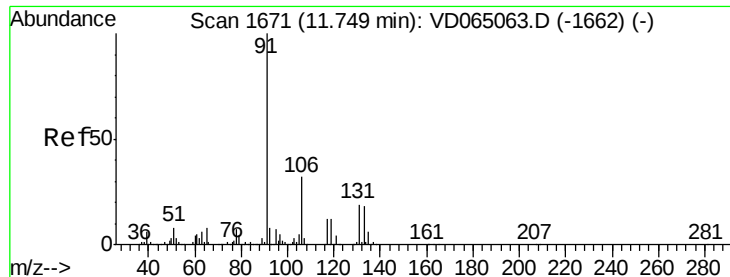
Tot Ion:112 Resp: 252287
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.041 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion:131 Resp: 91811
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 65.2 31.3 93.8





#67

Ethyl Benzene

Concen: 19.875 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

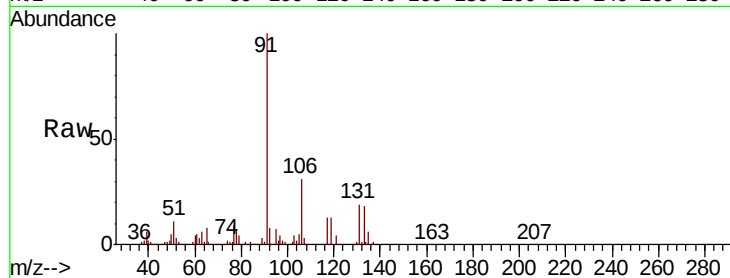
ClientSampled :

Tot Ion: 91 Resp: 448203

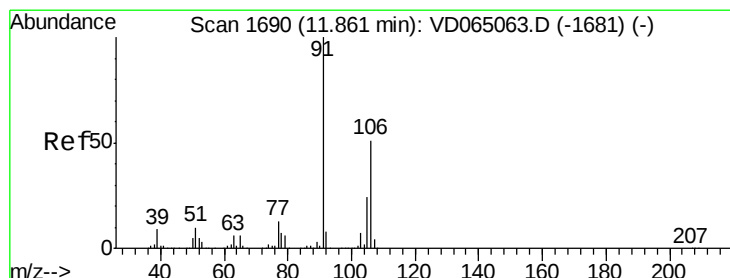
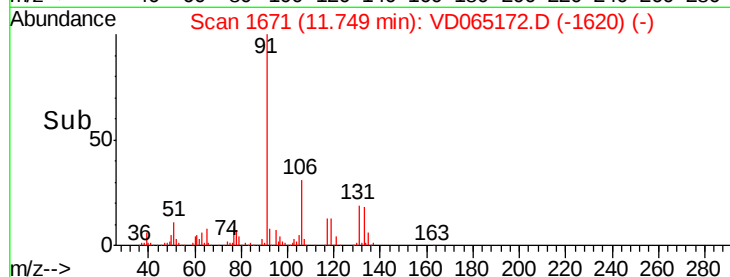
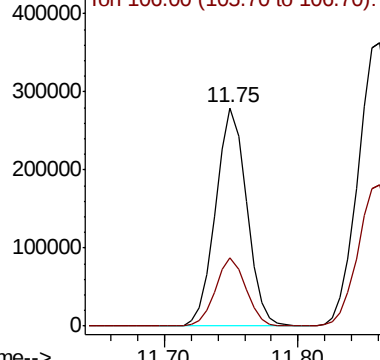
Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 39.783 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065172.D

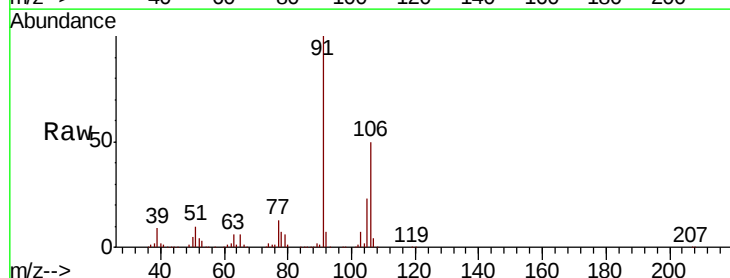
Acq: 13 Feb 2020 11:21

Tgt Ion: 106 Resp: 342414

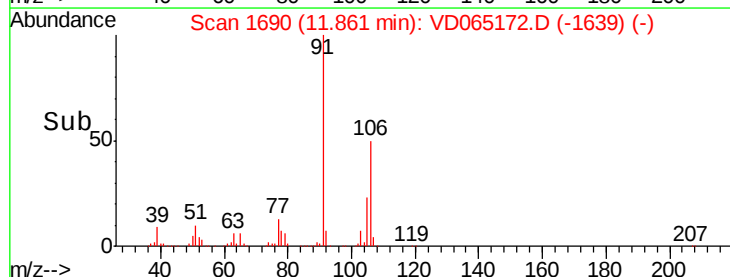
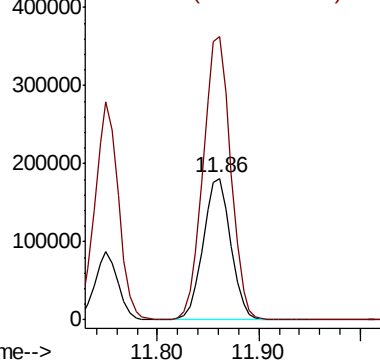
Ion Ratio Lower Upper

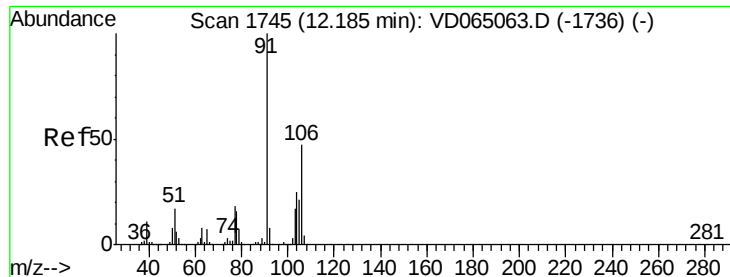
106 100

91 200.5 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): V

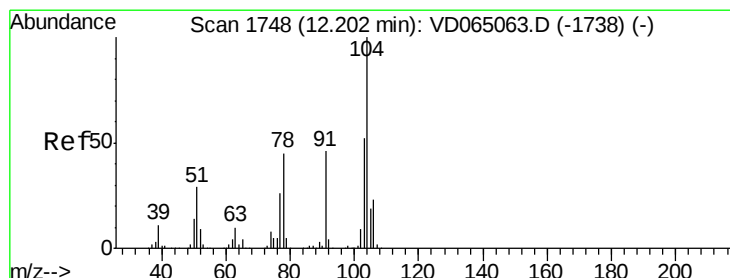
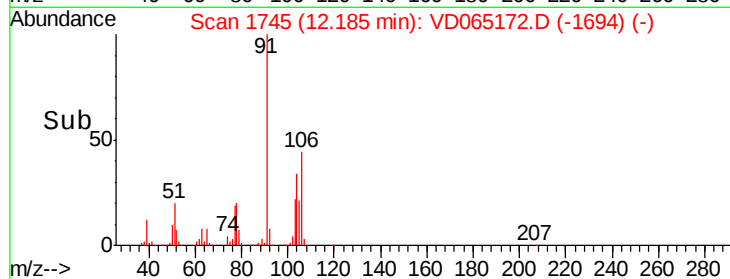
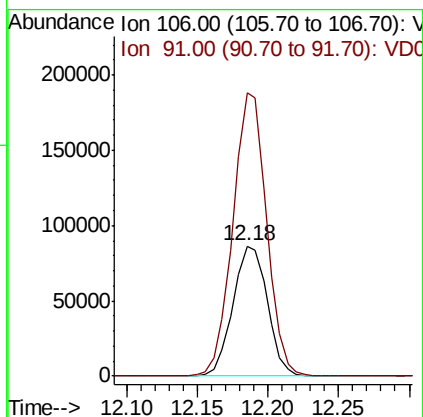
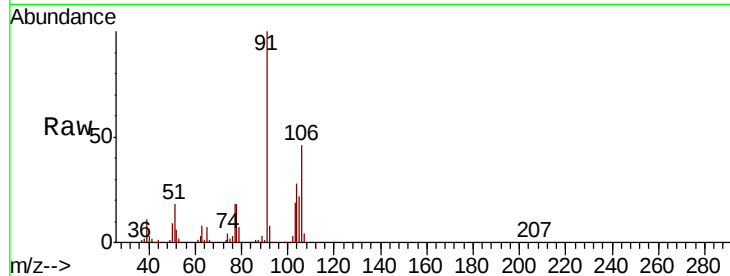




#69
o-Xylene
Concen: 19.054 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

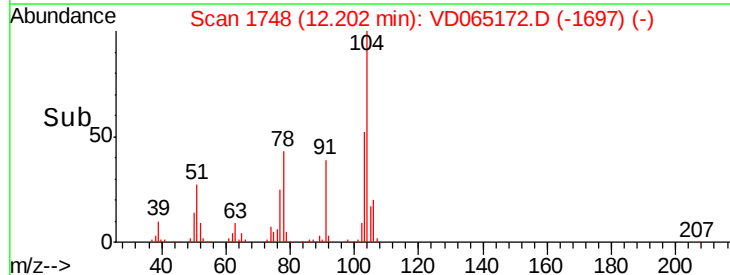
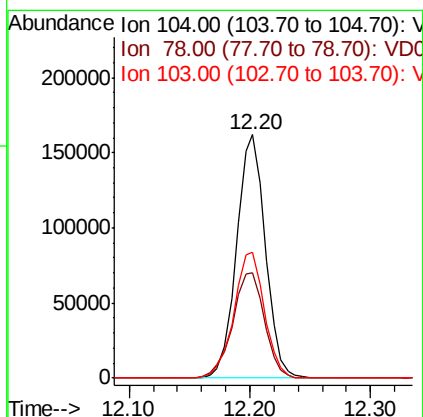
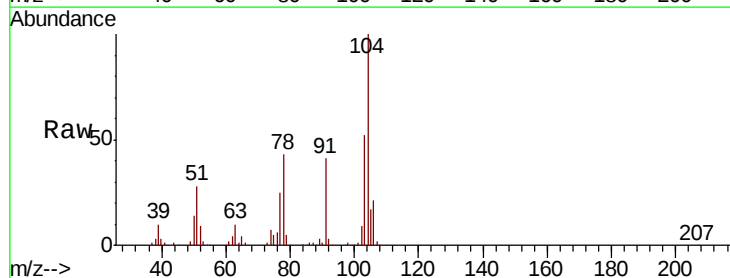
Instrument :
MSVOA_D
ClientSampleId :

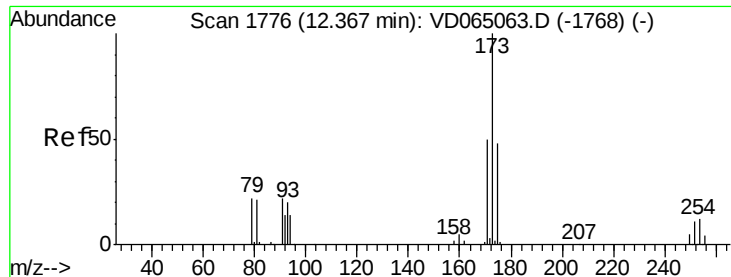
Tot Ion:106 Resp: 147684
Ion Ratio Lower Upper
106 100
91 212.7 104.7 313.9



#70
Styrene
Concen: 20.020 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion:104 Resp: 269694
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 54.9 43.8 65.8





#71

Bromoform

Concen: 20.795 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

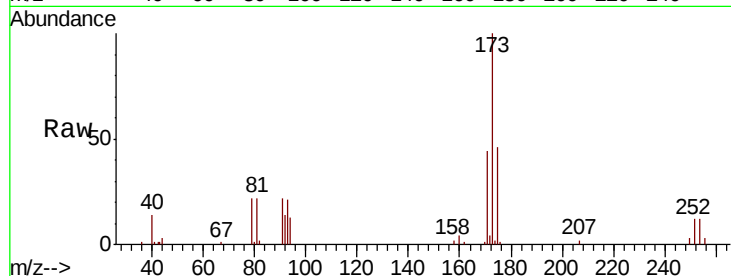
Tot Ion:173 Resp: 51277

Ion Ratio Lower Upper

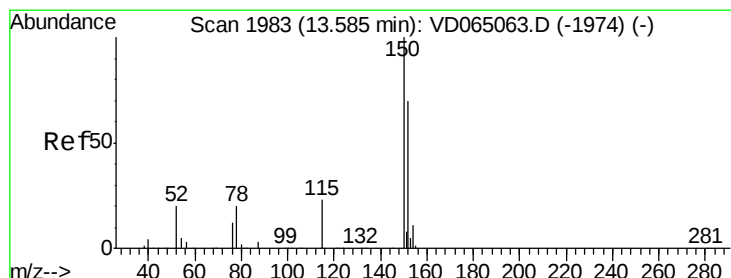
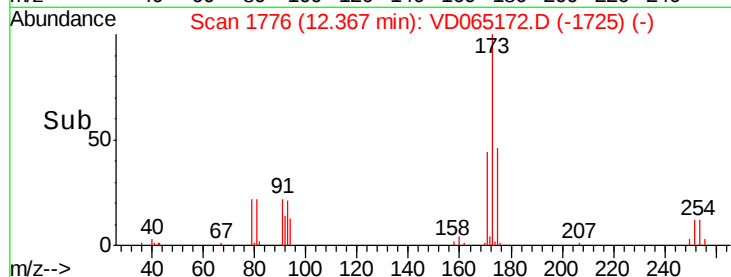
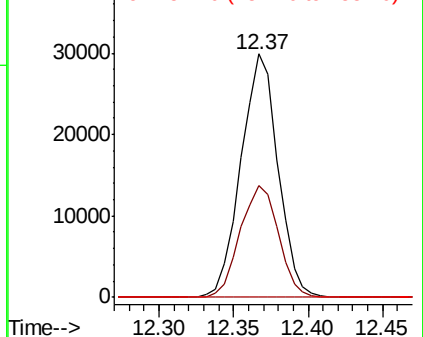
173 100

175 47.5 24.3 72.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

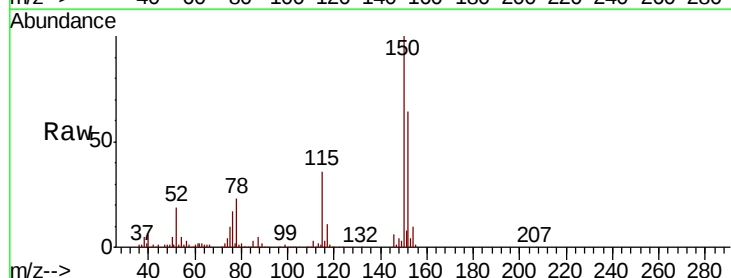
Tgt Ion:152 Resp: 311176

Ion Ratio Lower Upper

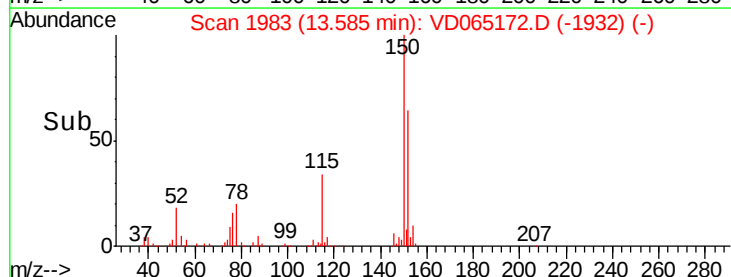
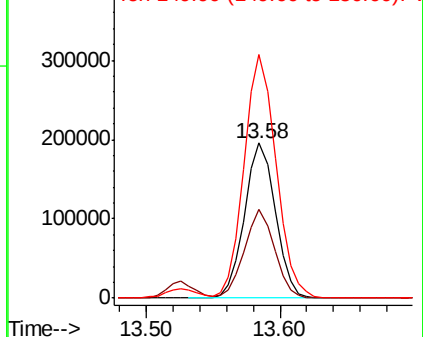
152 100

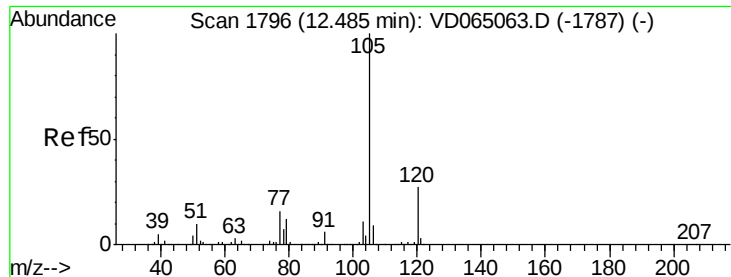
115 56.0 27.5 82.4

150 163.5 0.0 343.2



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





#73

Isopropylbenzene

Concen: 19.369 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

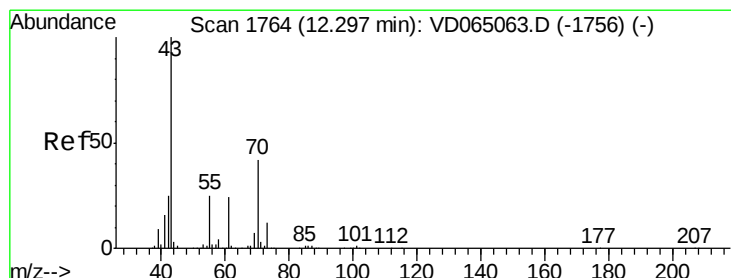
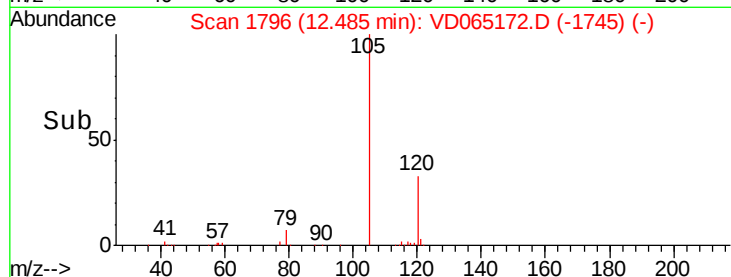
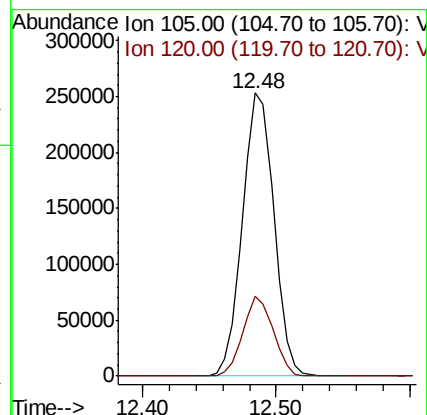
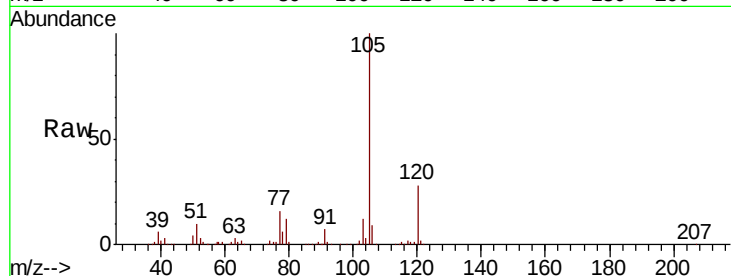
ClientSampled :

Tot Ion:105 Resp: 413689

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



#74

N-ethyl acetate

Concen: 18.252 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Tgt Ion: 43 Resp: 84729

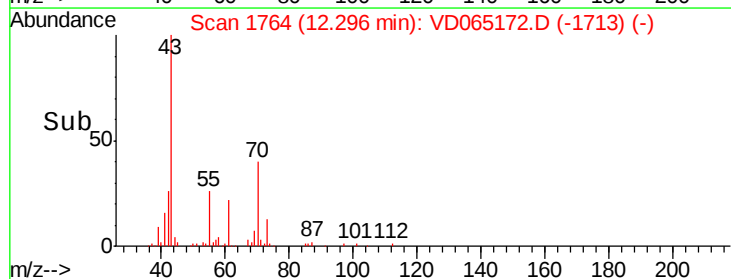
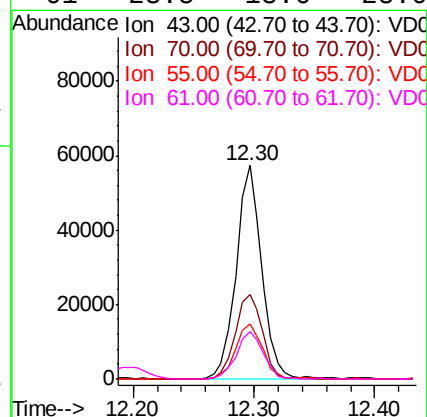
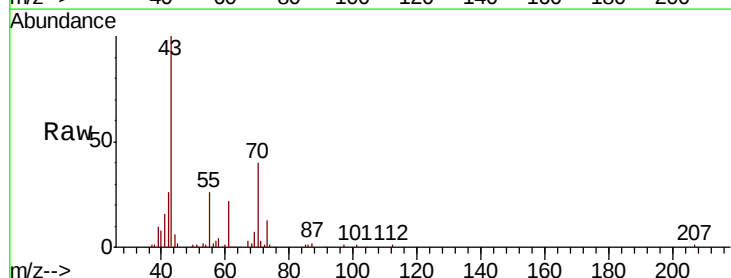
Ion Ratio Lower Upper

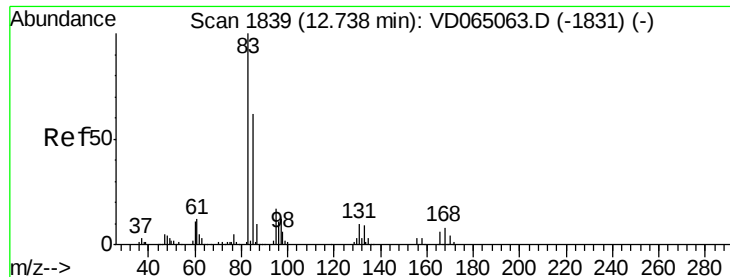
43 100

70 41.9 33.5 50.3

55 27.7 19.4 29.2

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.869 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampled :

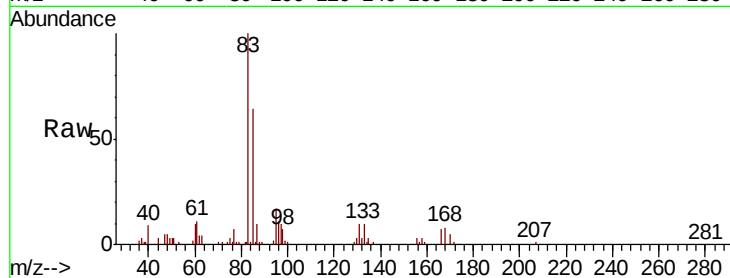
Tot Ion: 83 Resp: 70149

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	63.3	31.8	95.4

83 100

131 11.1 5.5 16.4

85 63.3 31.8 95.4



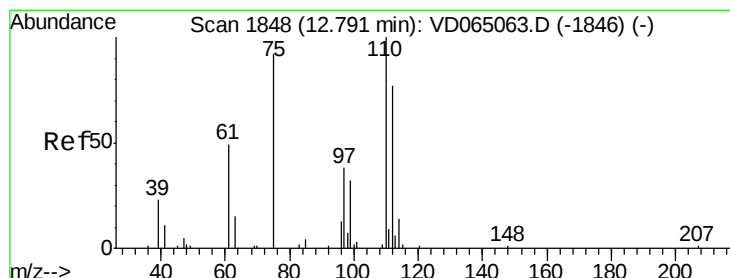
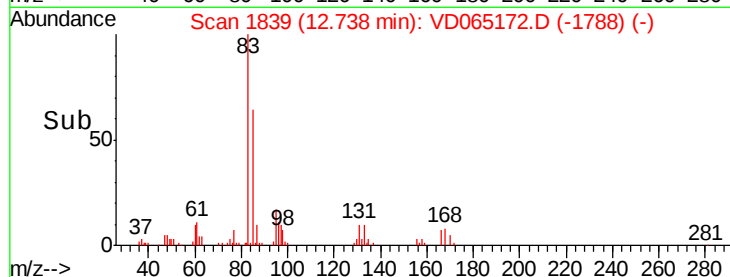
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.74

Time-->



#76

1,2,3-Trichloropropane

Concen: 39.523 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065172.D

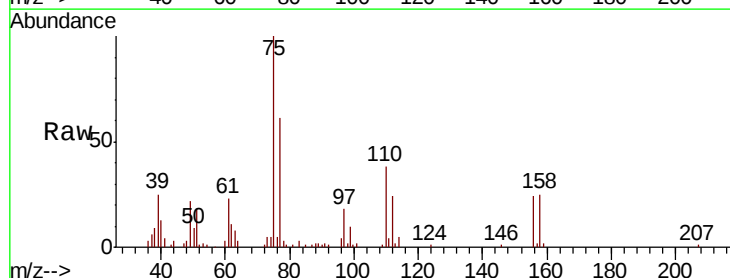
Acq: 13 Feb 2020 11:21

Tgt Ion: 75 Resp: 93114

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0

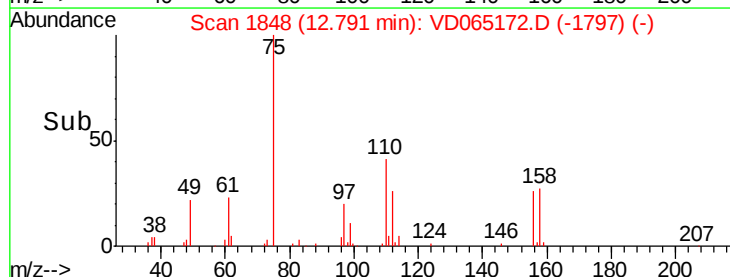


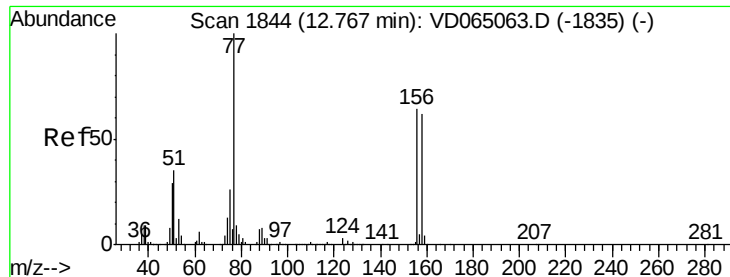
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.79

Time-->





#77

Bromobenzene

Concen: 19.664 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

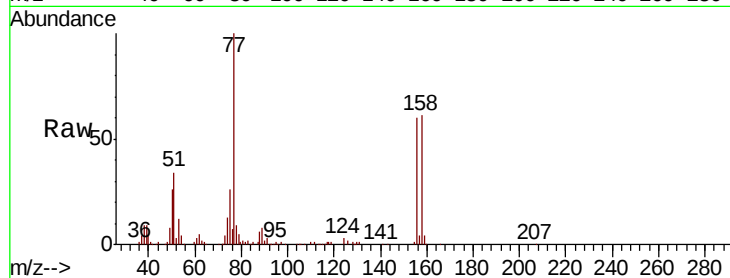
Tot Ion:156 Resp: 101190

Ion Ratio Lower Upper

156 100

77 174.4 85.6 256.8

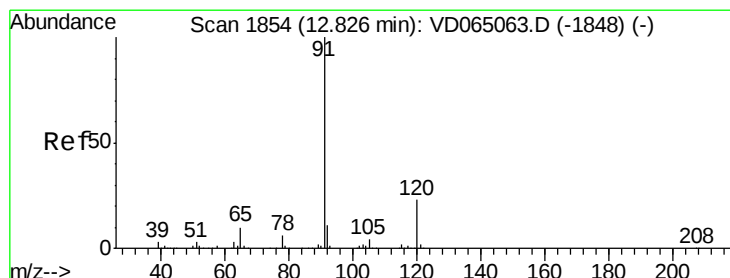
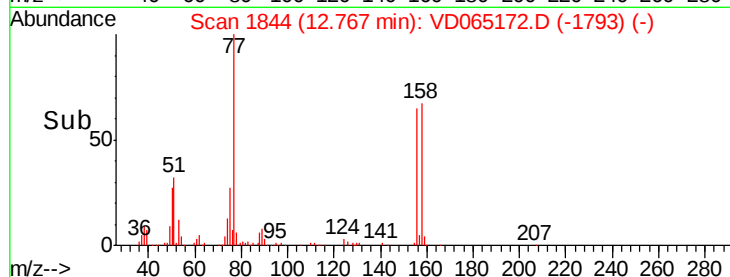
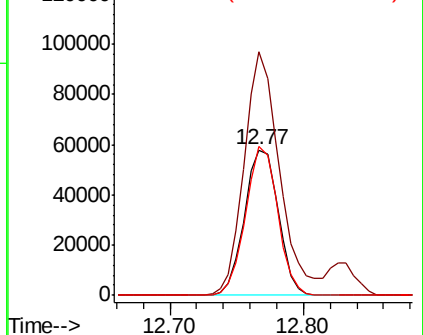
158 97.2 47.4 142.2



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: 20.198 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065172.D

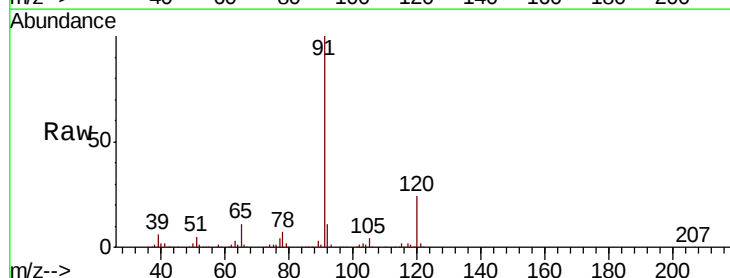
Acq: 13 Feb 2020 11:21

Tgt Ion: 91 Resp: 505184

Ion Ratio Lower Upper

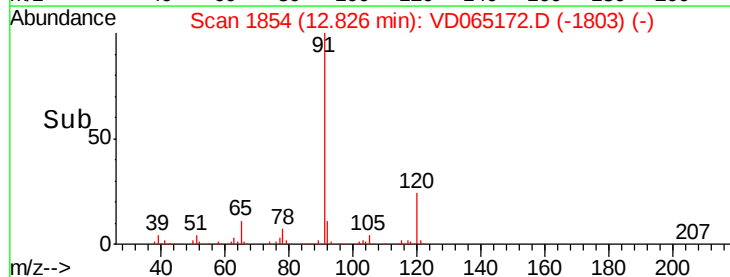
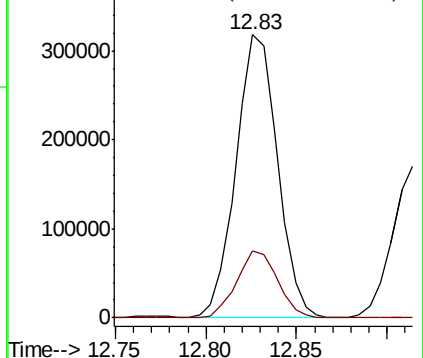
91 100

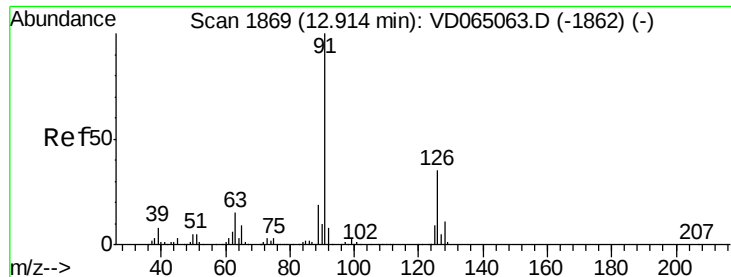
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.168 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

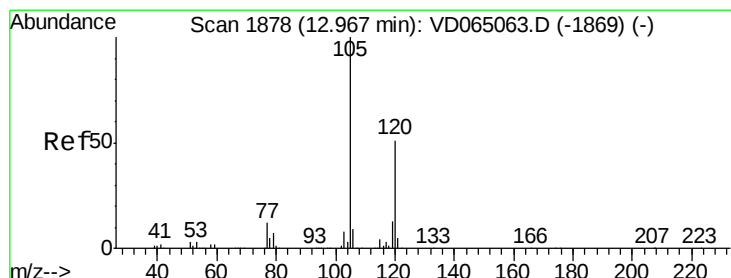
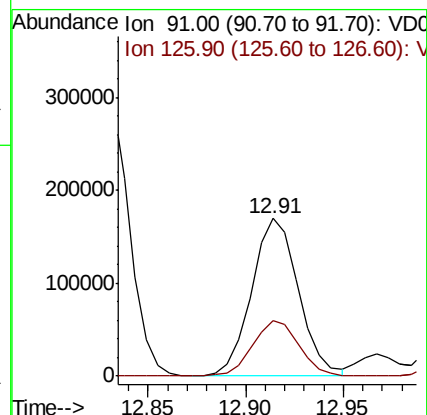
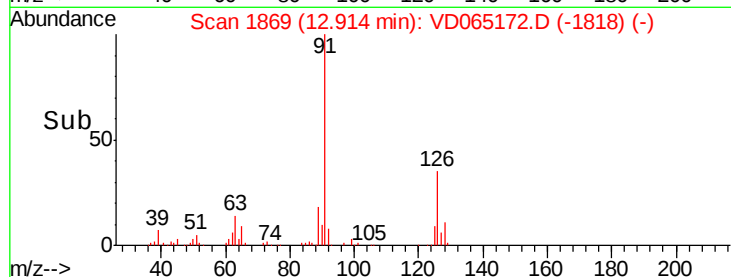
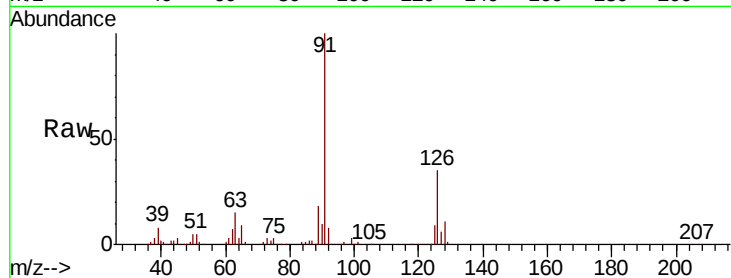
ClientSampleId :

Tot Ion: 91 Resp: 281184

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 19.706 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065172.D

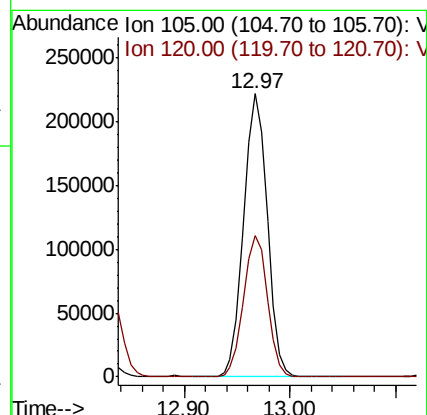
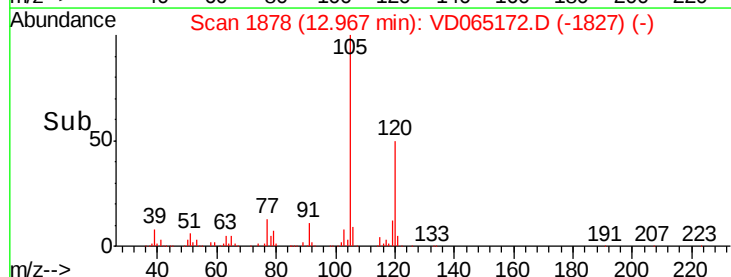
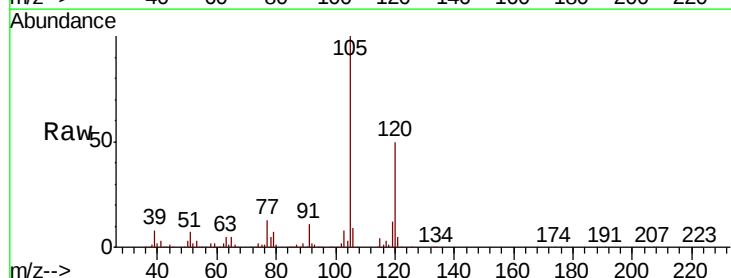
Acq: 13 Feb 2020 11:21

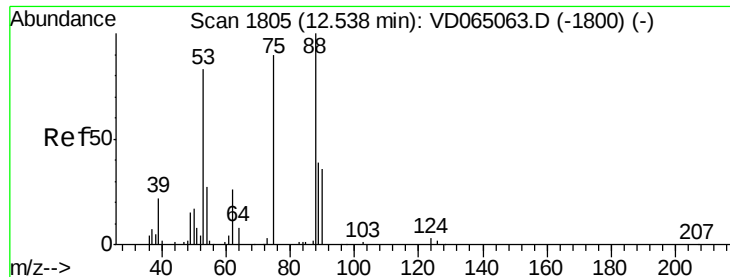
Tgt Ion: 105 Resp: 344331

Ion Ratio Lower Upper

105 100

120 50.5 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.270 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

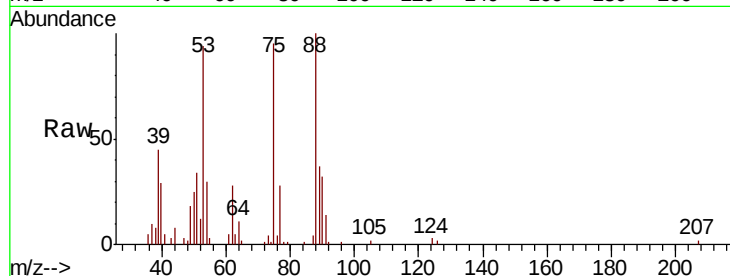
Tot Ion: 75 Resp: 22700

Ion Ratio Lower Upper

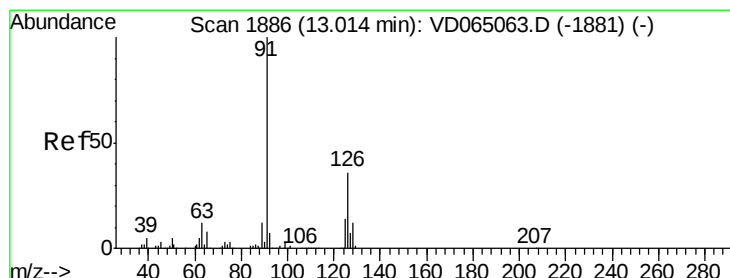
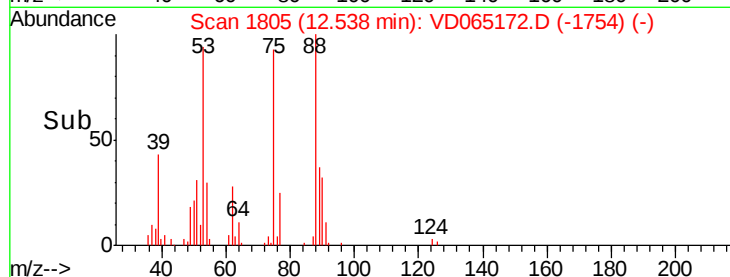
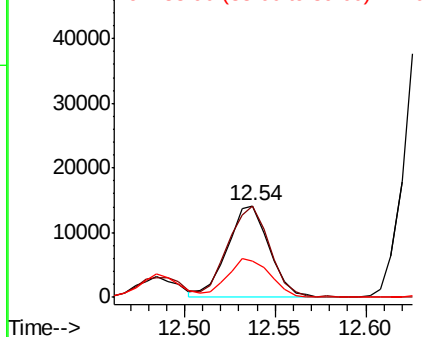
75 100

53 99.3 78.5 117.7

89 42.8 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: 19.950 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065172.D

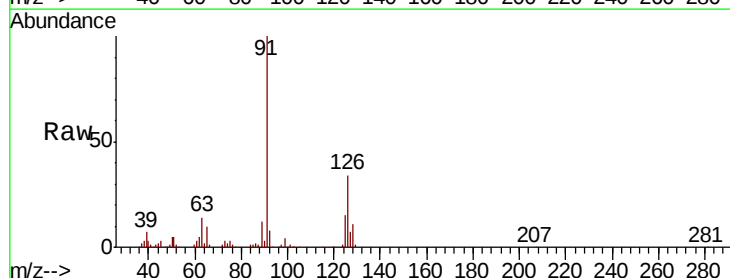
Acq: 13 Feb 2020 11:21

Tgt Ion: 91 Resp: 292112

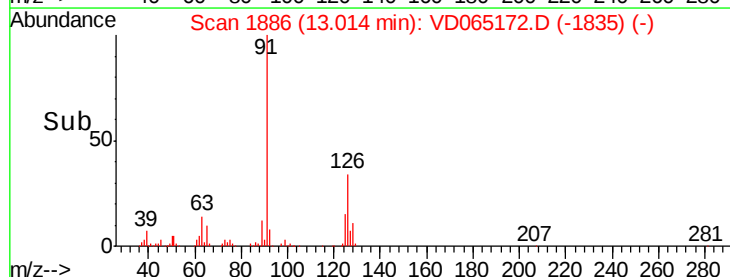
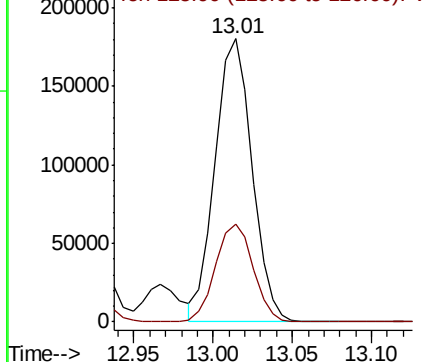
Ion Ratio Lower Upper

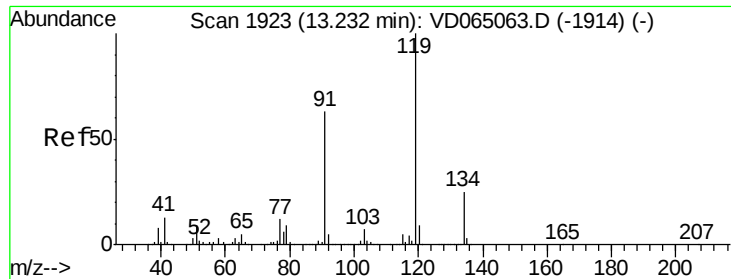
91 100

126 35.3 17.5 52.5



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

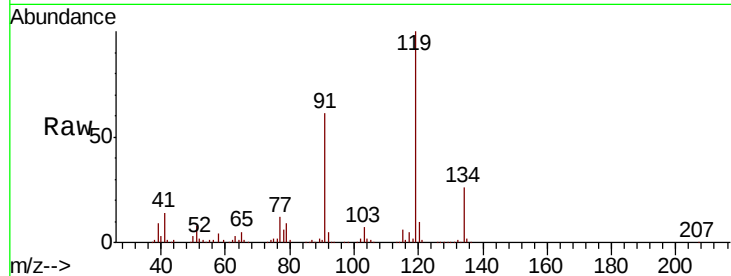




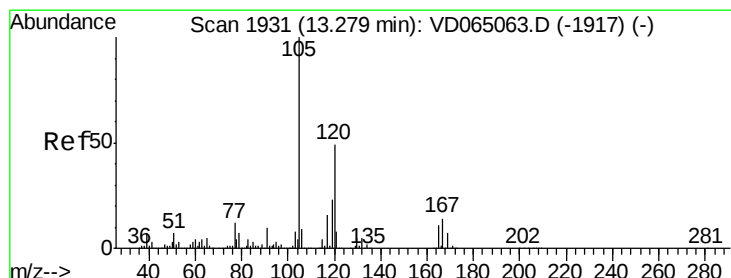
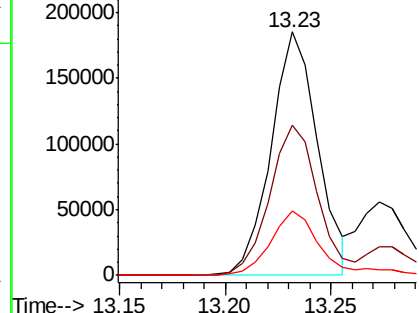
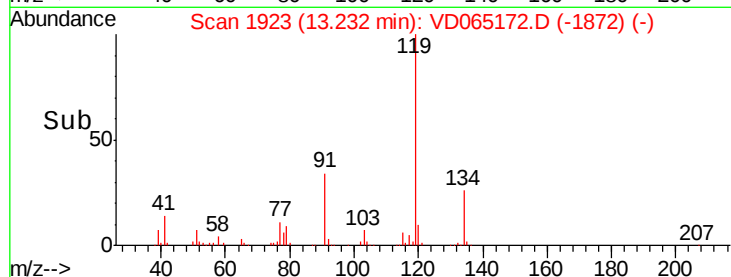
#83
tert-Butylbenzene
Concen: 18.896 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 284853
Ion Ratio Lower Upper
119 100
91 64.0 32.3 96.9
134 28.4 13.8 41.3

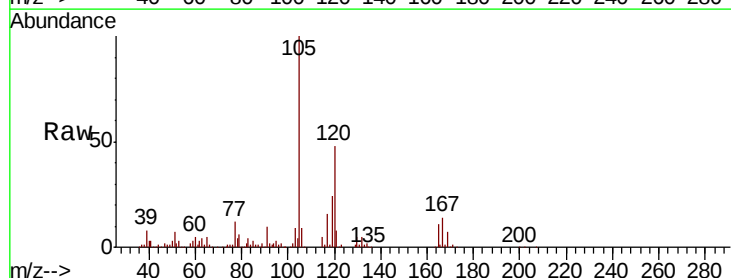


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

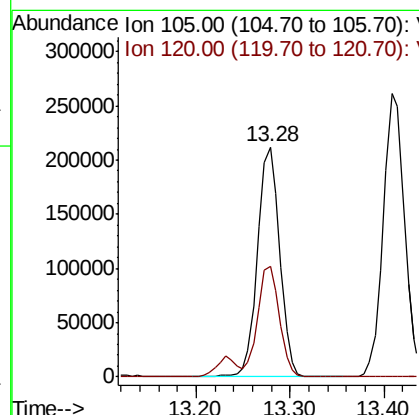
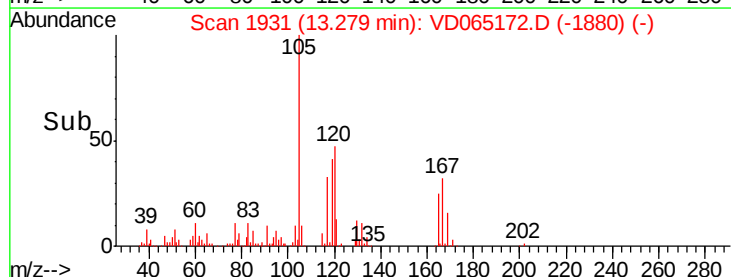


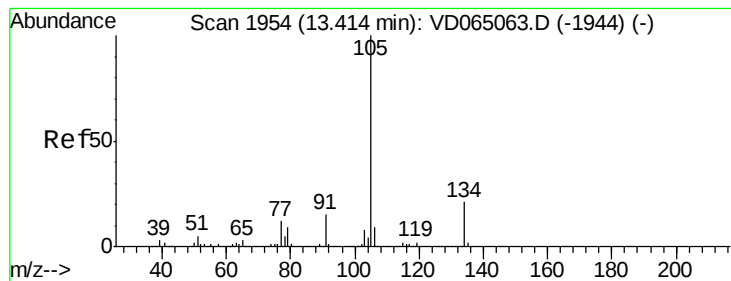
#84
1,2,4-Trimethylbenzene
Concen: 20.047 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion:105 Resp: 347753
Ion Ratio Lower Upper
105 100
120 46.9 23.5 70.5



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





#85

sec-Butylbenzene

Concen: 19.948 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

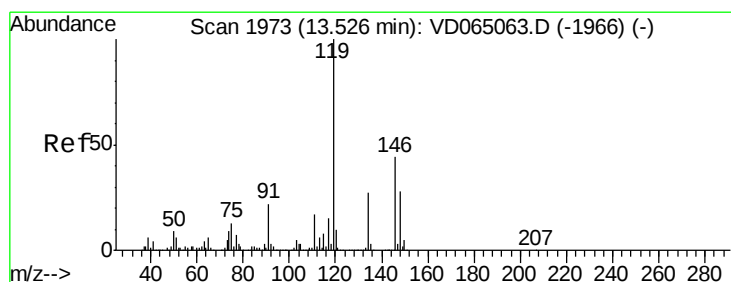
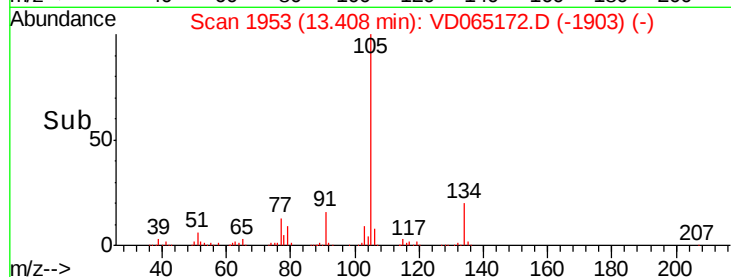
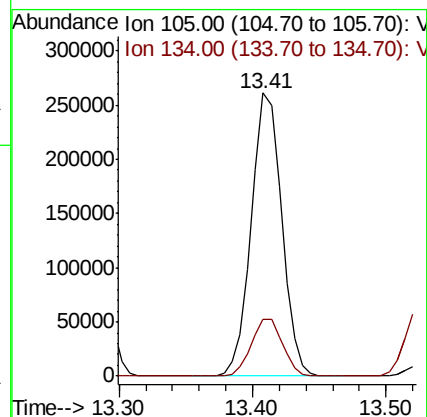
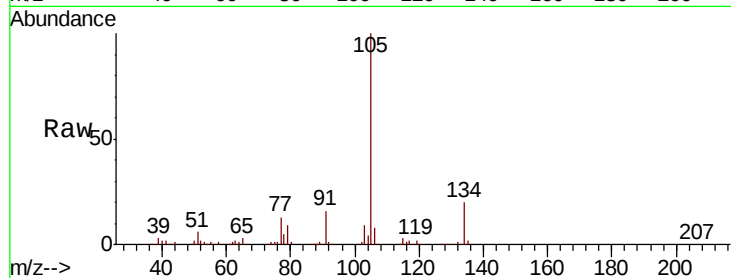
ClientSampleId :

Tot Ion:105 Resp: 410698

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1



#86

p-Isopropyltoluene

Concen: 19.936 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

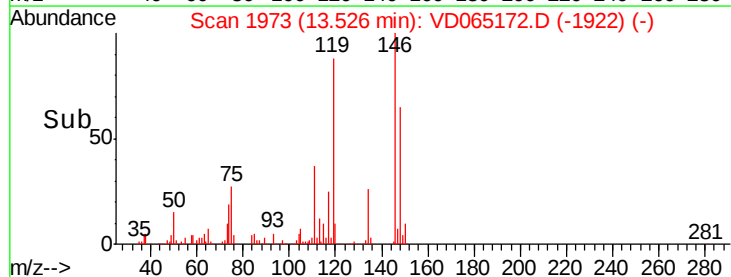
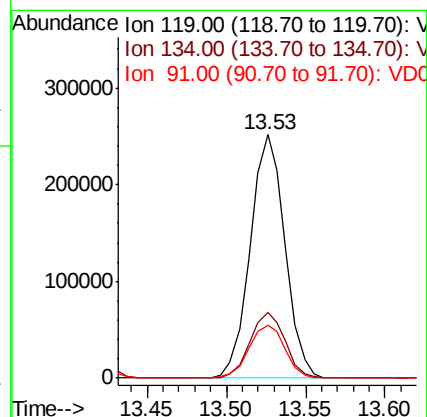
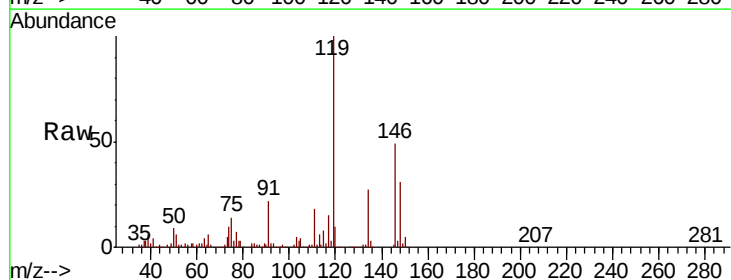
Tgt Ion:119 Resp: 381366

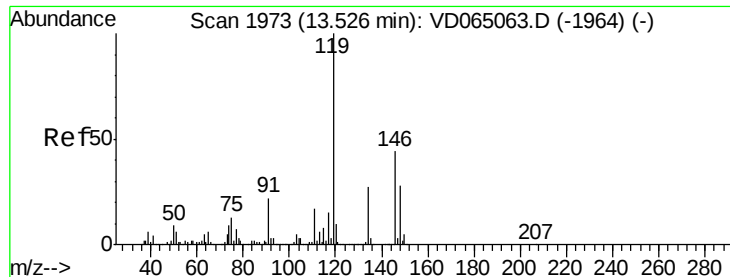
Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.5

91 22.9 11.3 33.9

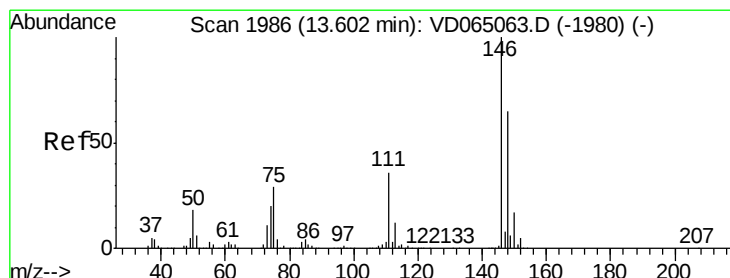
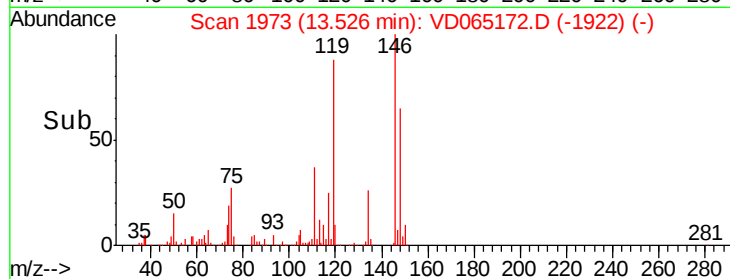
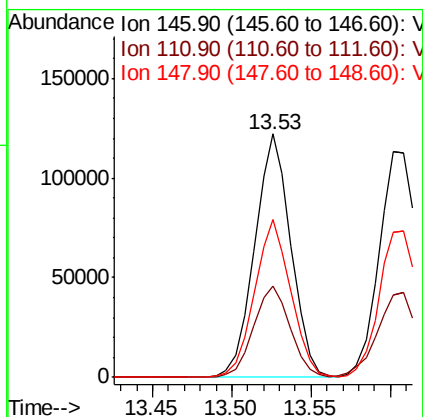
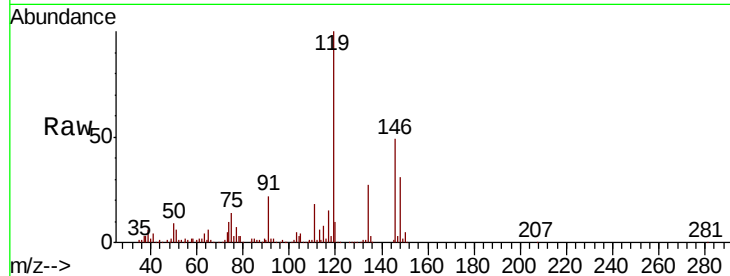




#87
 1,3-Dichlorobenzene
 Concen: 20.096 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

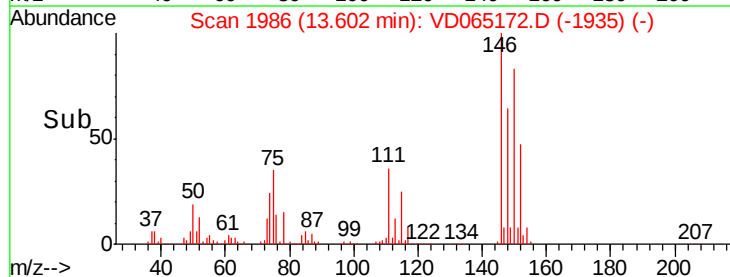
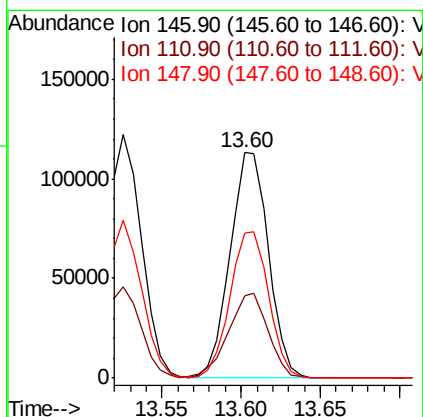
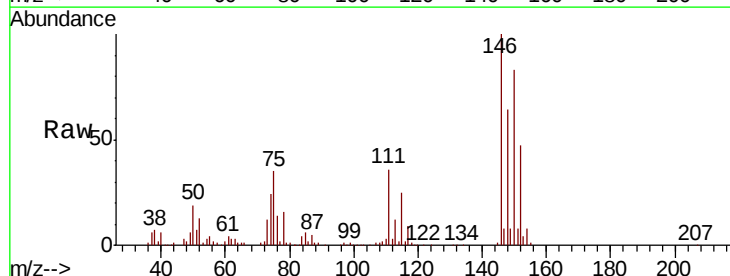
Instrument :
 MSVOA_D
 ClientSampleId :

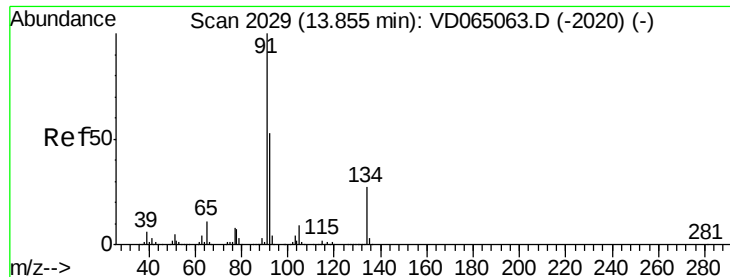
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.4
148	64.8	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 19.849 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.5	55.5
148	65.5	32.7	98.1

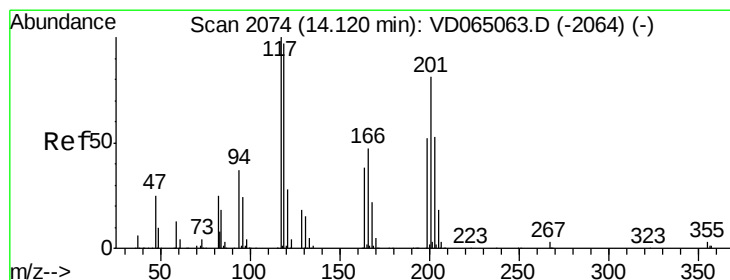
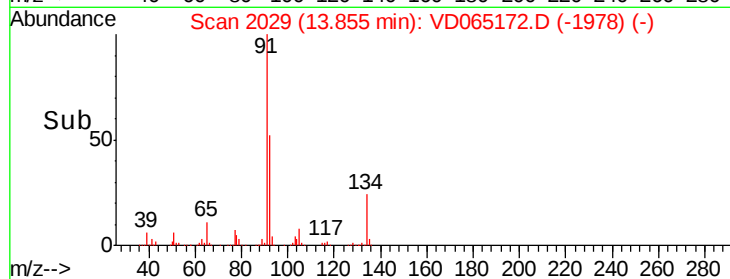
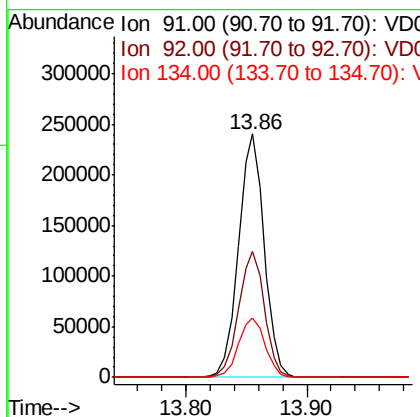
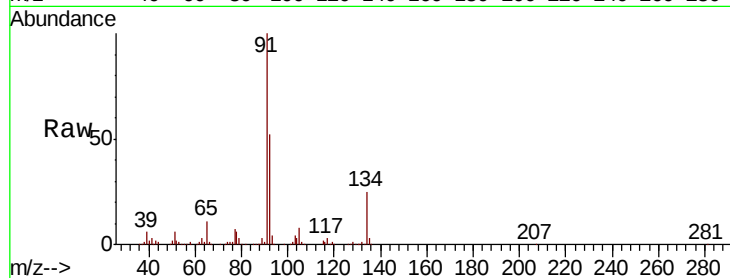




#89
n-Butylbenzene
Concen: 20.138 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

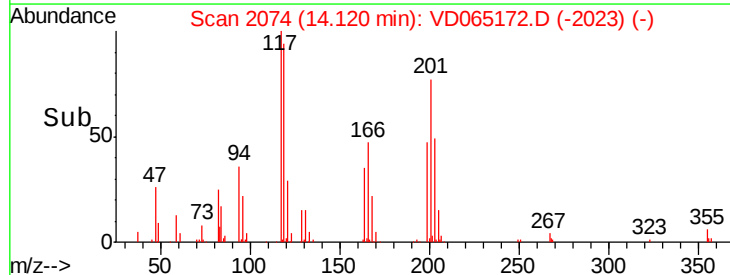
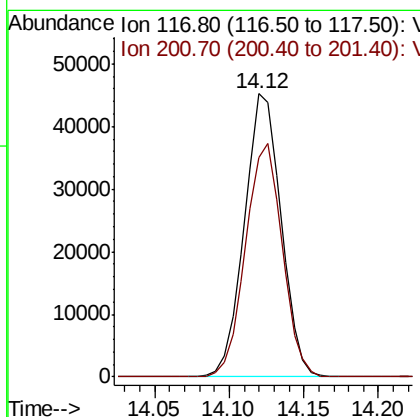
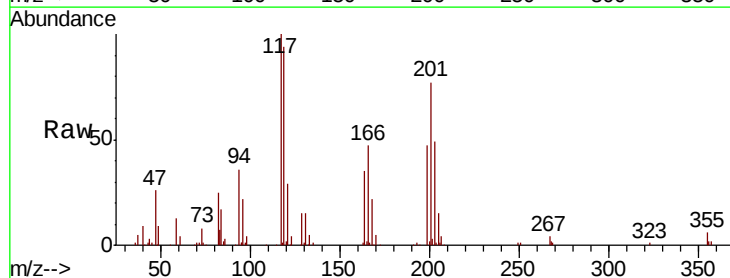
Instrument :
MSVOA_D
ClientSampleId :

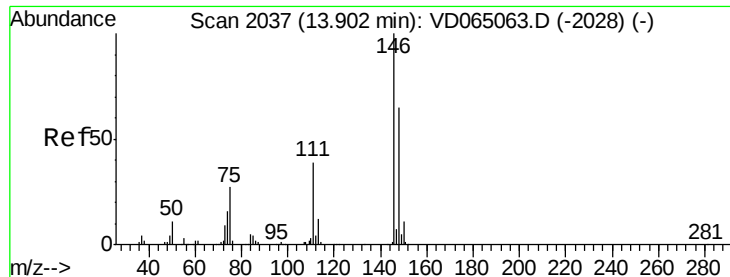
Tot Ion: 91 Resp: 355560
Ion Ratio Lower Upper
91 100
92 52.2 26.7 80.1
134 25.3 13.4 40.2



#90
Hexachloroethane
Concen: 21.241 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 117 Resp: 76943
Ion Ratio Lower Upper
117 100
201 82.4 42.5 127.6

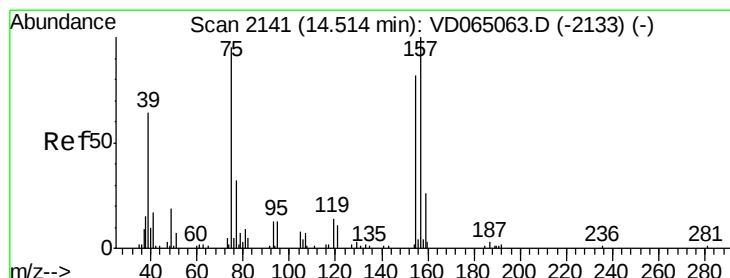
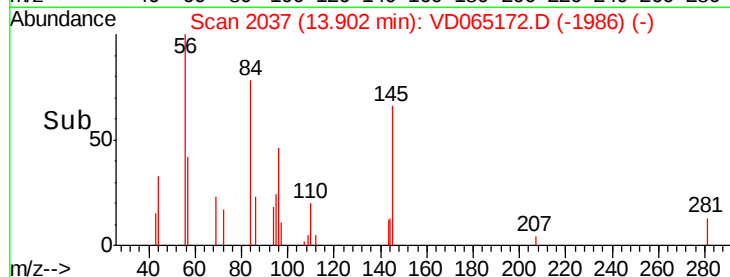
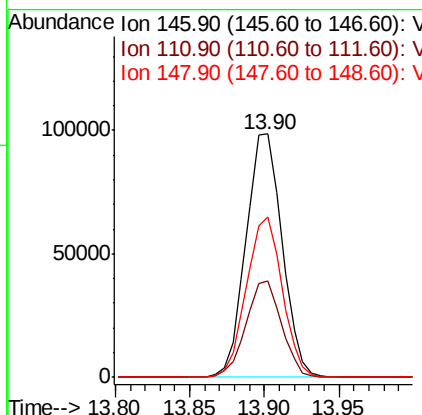
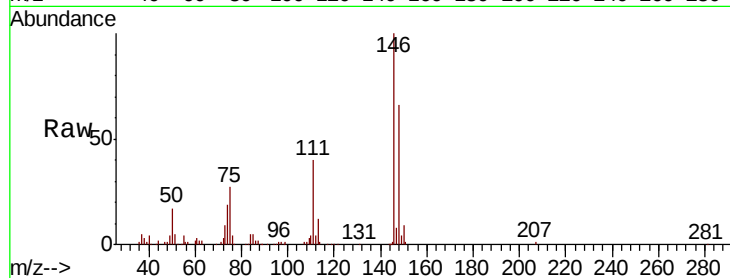




#91
 1,2-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

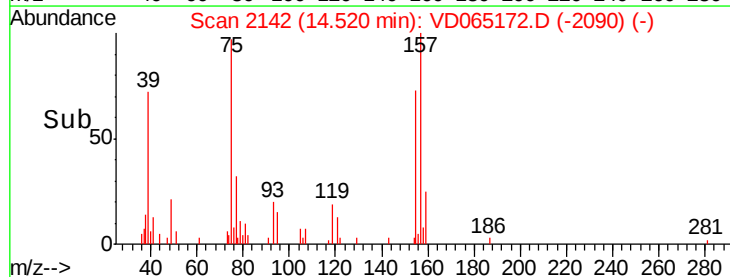
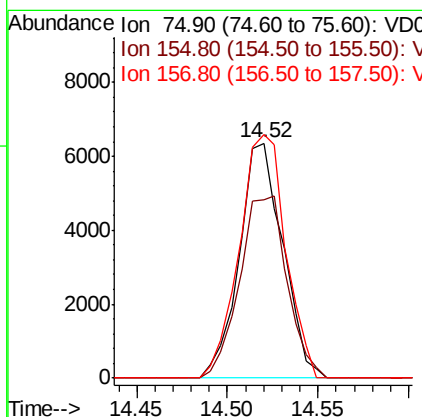
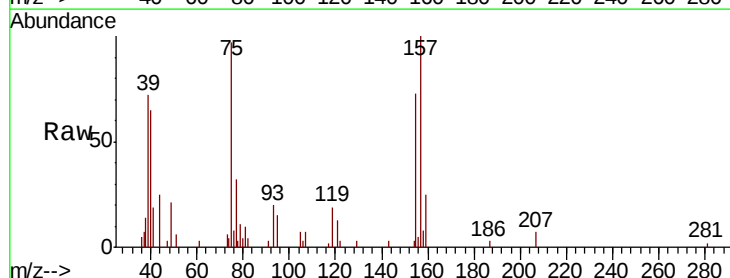
Instrument :
 MSVOA_D
 ClientSampleId :

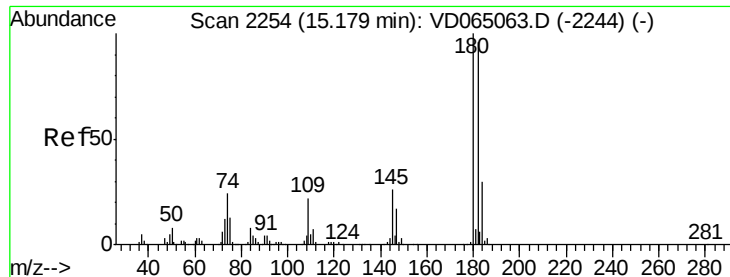
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	65.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.369 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	43.4	130.1
157	110.2	55.8	167.3

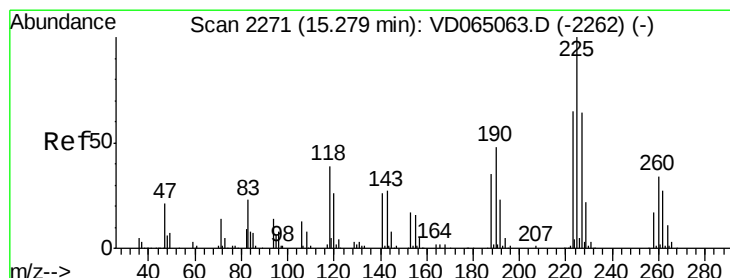
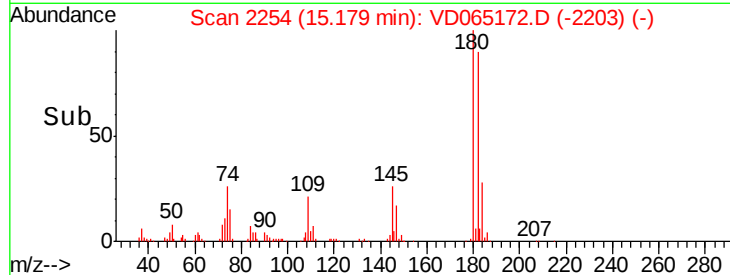
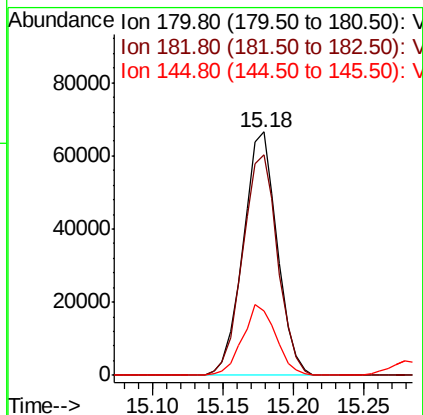
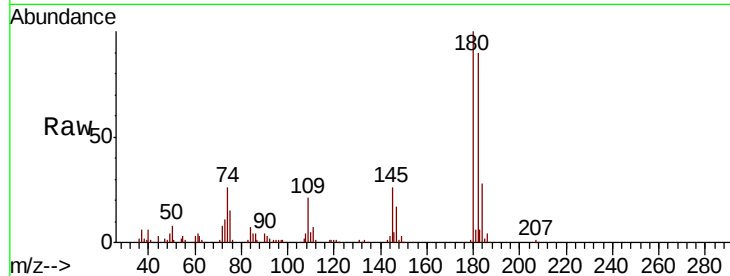




#93
 1,2,4-Trichlorobenzene
 Concen: 19.089 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

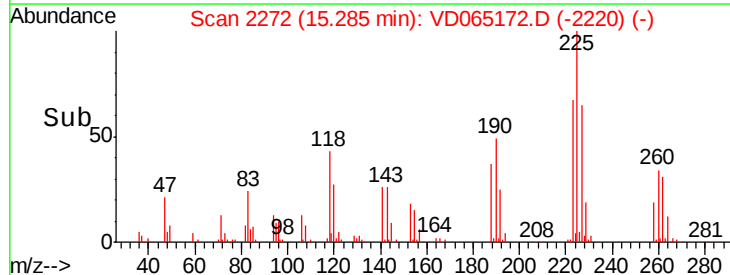
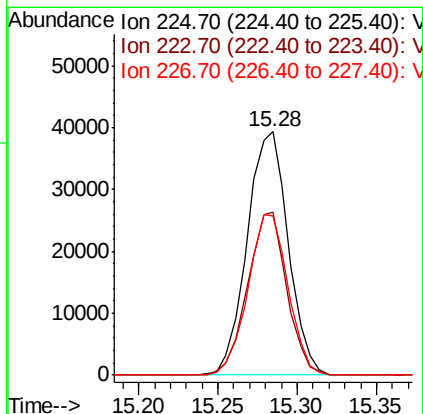
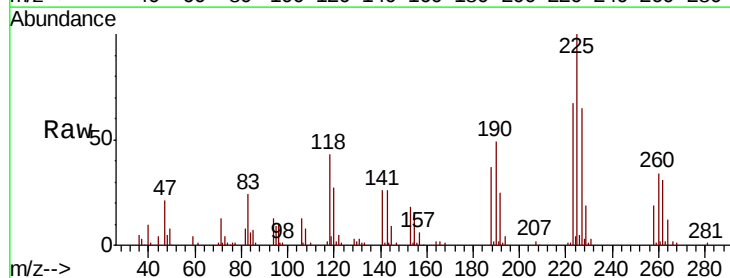
Instrument :
 MSVOA_D
 ClientSampleId :

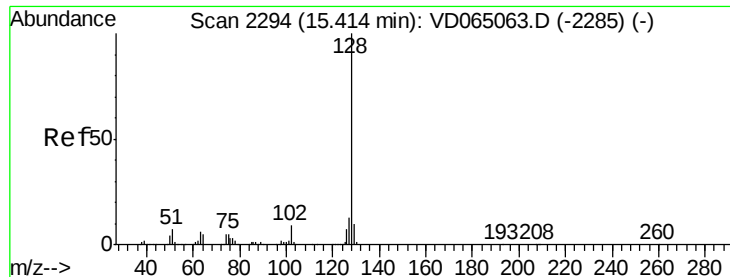
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.4	142.3
145	28.0	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 19.553 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.4	94.0
227	64.0	31.8	95.3

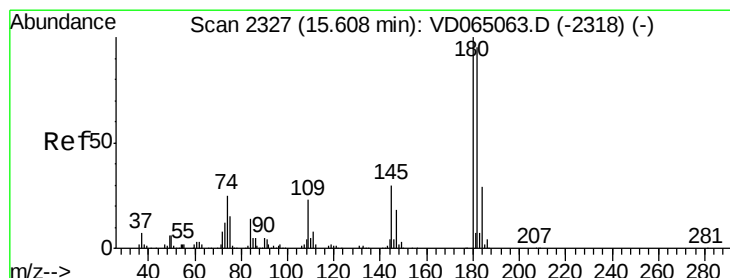
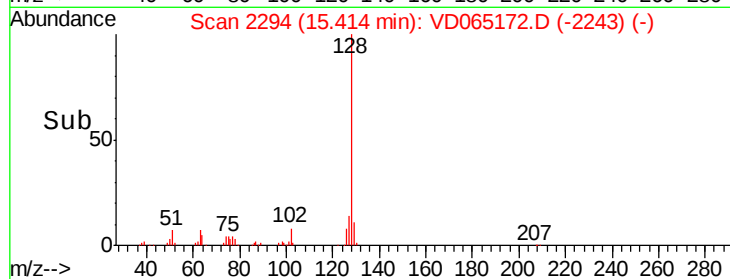
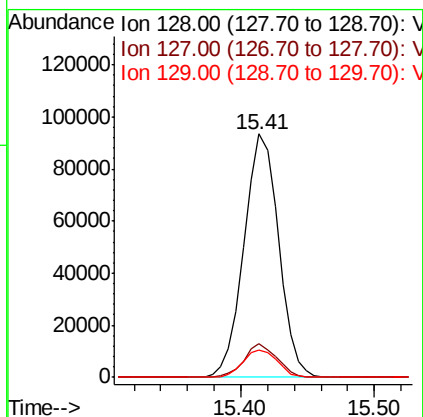
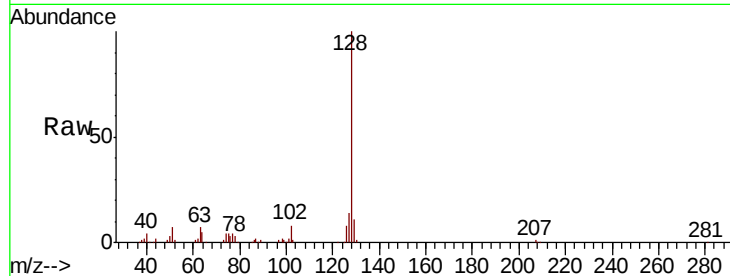




#95
Naphthalene
Concen: 17.064 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 167287
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.772 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion:180 Resp: 94706
Ion Ratio Lower Upper
180 100
182 95.0 47.1 141.4
145 31.6 14.9 44.9

