

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065081.D
 Acq On : 06 Feb 2020 12:33
 Operator : VA/SY
 Sample : VD0206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:07:45 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	465883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	695342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	625628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	222187	56.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.22%	
35) Dibromofluoromethane	7.92	113	213141	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
50) Toluene-d8	10.34	98	839420	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.64	95	261965	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83456	21.526	ug/l	96
3) Chloromethane	2.21	50	112375	24.623	ug/l	94
4) Vinyl Chloride	2.35	62	115175	23.863	ug/l	100
5) Bromomethane	2.76	94	74223	23.717	ug/l	95
6) Chloroethane	2.92	64	74614	24.922	ug/l	99
7) Trichlorofluoromethane	3.27	101	167515	23.849	ug/l	95
8) Diethyl Ether	3.70	74	43806	21.725	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94614	22.034	ug/l	98
10) Methyl Iodide	4.29	142	98313	20.060	ug/l	97
11) Tert butyl alcohol	5.24	59	29278	121.020	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	88286	21.468	ug/l	97
13) Acrolein	3.93	56	31186	104.804	ug/l	97
14) Allyl chloride	4.71	41	150363	22.000	ug/l	98
15) Acrylonitrile	5.43	53	99022	112.326	ug/l	99
16) Acetone	4.17	43	98969	99.972	ug/l	96
17) Carbon Disulfide	4.40	76	300341	22.746	ug/l	98
18) Methyl Acetate	4.72	43	46424	22.445	ug/l #	81
19) Methyl tert-butyl Ether	5.49	73	194988	21.441	ug/l	96
20) Methylene Chloride	4.96	84	109152	22.905	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	102015	21.926	ug/l	95
22) Diisopropyl ether	6.37	45	290517	22.535	ug/l	96
23) Vinyl Acetate	6.31	43	787270	109.560	ug/l	100
24) 1,1-Dichloroethane	6.27	63	175955	22.549	ug/l	99
25) 2-Butanone	7.22	43	128946	109.194	ug/l	100
26) 2,2-Dichloropropane	7.21	77	159133	22.752	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	109550	22.163	ug/l	100
28) Bromochloromethane	7.55	49	60027	20.293	ug/l	96
29) Tetrahydrofuran	7.57	42	77128	108.003	ug/l	99
30) Chloroform	7.71	83	176614	22.731	ug/l	97
31) Cyclohexane	7.98	56	167653	21.284	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	161393	22.299	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142651	22.063	ug/l	99
37) Ethyl Acetate	7.30	43	54327	20.567	ug/l	98
38) Carbon Tetrachloride	8.10	117	145217	21.991	ug/l	96

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Quant Time: Feb 07 06:07:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165825	20.778	ug/l	97
40) Benzene	8.36	78	395809	22.168	ug/l	100
41) Methacrylonitrile	7.54	41	37417	25.712	ug/l	86
42) 1,2-Dichloroethane	8.43	62	117610	23.118	ug/l	100
43) Isopropyl Acetate	8.46	43	107652	21.305	ug/l	99
44) Trichloroethene	9.11	130	110041	21.472	ug/l	97
45) 1,2-Dichloropropane	9.39	63	95927	22.408	ug/l	93
46) Dibromomethane	9.48	93	51914	23.078	ug/l	97
47) Bromodichloromethane	9.67	83	135555	22.870	ug/l	98
48) Methyl methacrylate	9.46	41	51302	21.099	ug/l	95
49) 1,4-Dioxane	9.47	88	11368	426.670	ug/l #	90
51) 4-Methyl-2-Pentanone	10.24	43	272385	109.518	ug/l	99
52) Toluene	10.41	92	253228	22.222	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	128877	22.332	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	152372	22.076	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	68176	22.096	ug/l	97
56) Ethyl methacrylate	10.67	69	82142	21.040	ug/l	98
57) 1,3-Dichloropropane	10.95	76	120514	22.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	126347	87.837	ug/l	99
59) 2-Hexanone	10.99	43	189820	107.749	ug/l	98
60) Dibromochloromethane	11.14	129	91881	22.990	ug/l	100
61) 1,2-Dibromoethane	11.26	107	67955	22.540	ug/l	97
64) Tetrachloroethene	10.88	164	94989	21.130	ug/l	98
65) Chlorobenzene	11.68	112	267146	22.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	98506	22.056	ug/l	98
67) Ethyl Benzene	11.75	91	468713	21.320	ug/l	98
68) m/p-Xylenes	11.86	106	362997	43.261	ug/l	100
69) o-Xylene	12.18	106	160415	21.230	ug/l	98
70) Styrene	12.20	104	284301	21.648	ug/l	100
71) Bromoform	12.37	173	53118	22.097	ug/l #	100
73) Isopropylbenzene	12.48	105	433503	20.760	ug/l	100
74) N-amyl acetate	12.30	43	93651	20.634	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	73692	22.423	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	96455	41.876	ug/l #	100
77) Bromobenzene	12.77	156	107780	21.423	ug/l	97
78) n-propylbenzene	12.83	91	528738	21.622	ug/l	99
79) 2-Chlorotoluene	12.91	91	288039	21.131	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	366993	21.483	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25520	22.158	ug/l	99
82) 4-Chlorotoluene	13.01	91	306018	21.376	ug/l	100
83) tert-Butylbenzene	13.23	119	299611	20.329	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	361949	21.342	ug/l	98
85) sec-Butylbenzene	13.41	105	419409	20.836	ug/l	99
86) p-Isopropyltoluene	13.53	119	394000	21.067	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	204921	21.755	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	197814	21.100	ug/l	97
89) n-Butylbenzene	13.86	91	357885	20.732	ug/l	99
90) Hexachloroethane	14.12	117	75647	21.360	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	170767	21.165	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11889	22.161	ug/l	98

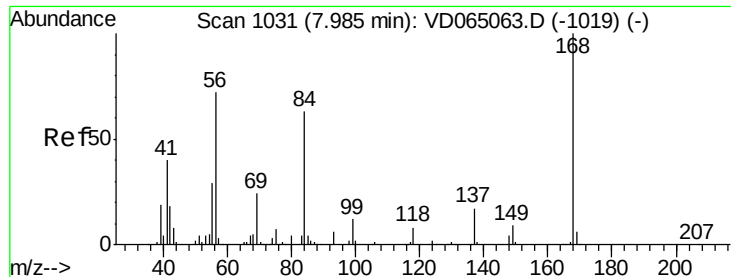
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020620\
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Quant Time: Feb 07 06:07:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118064	20.474	ug/l	99
94) Hexachlorobutadiene	15.28	225	72353	20.406	ug/l	98
95) Naphthalene	15.41	128	186476	19.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	100872	20.450	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

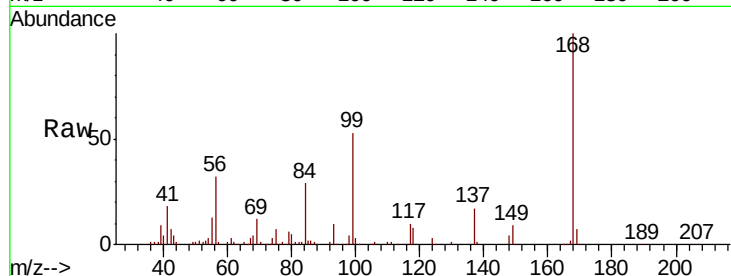
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 465883

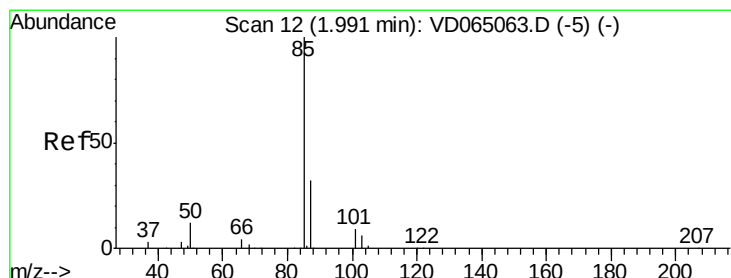
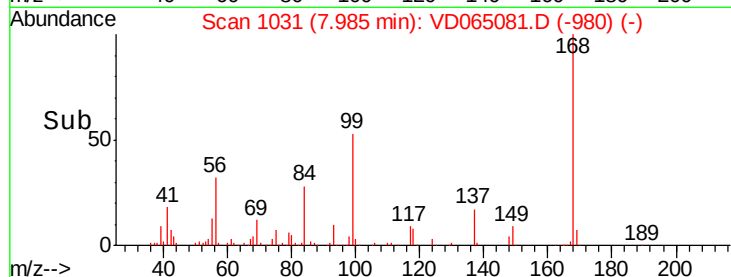
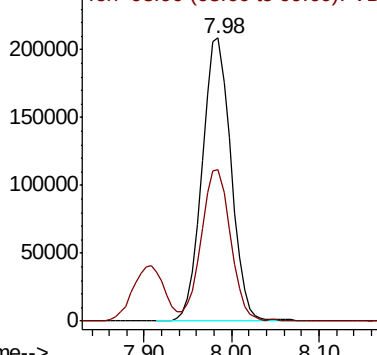
Ion Ratio Lower Upper

168 100

99 53.1 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: 21.526 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065081.D

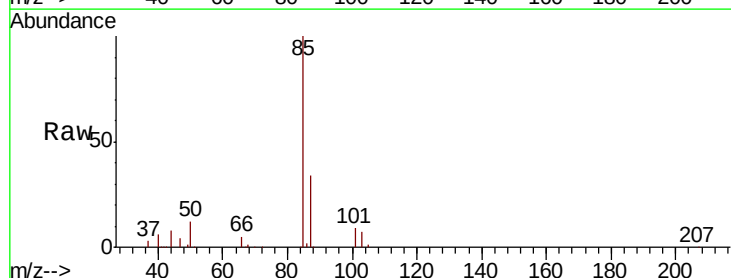
Acq: 06 Feb 2020 12:33

Tgt Ion: 85 Resp: 83456

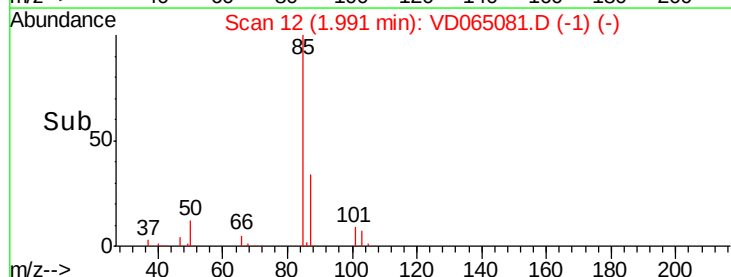
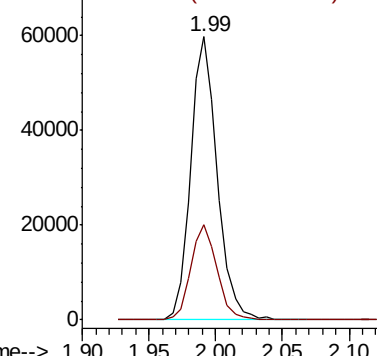
Ion Ratio Lower Upper

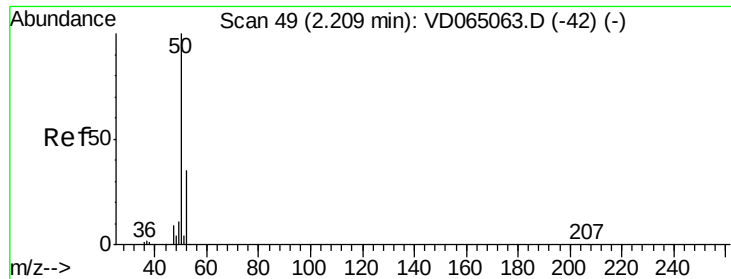
85 100

87 33.7 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: 24.623 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

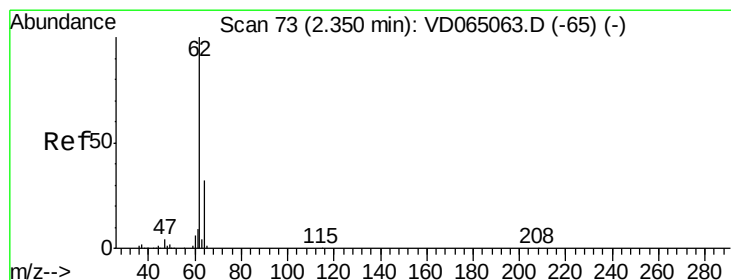
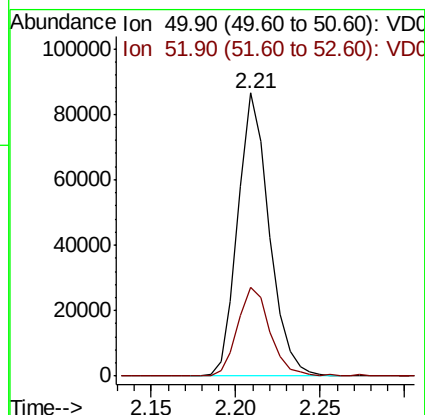
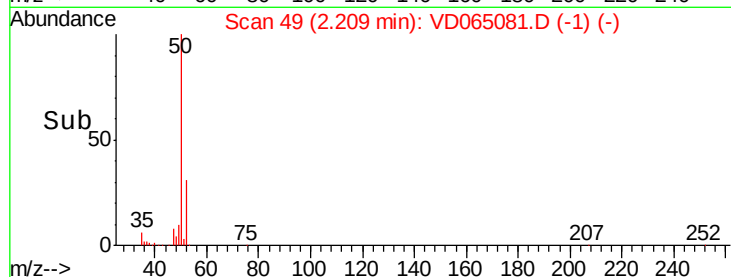
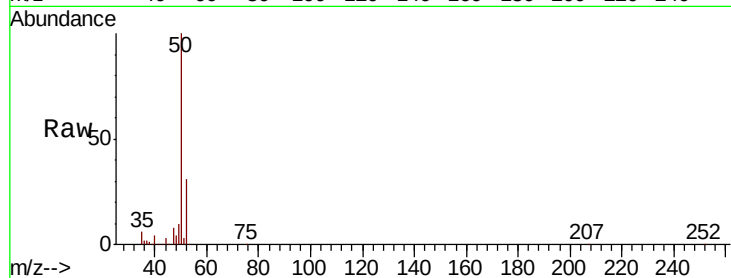
ClientSampleId :

Tot Ion: 50 Resp: 112375

Ion Ratio Lower Upper

50 100

52 31.2 27.8 41.6



#4

Vinyl Chloride

Concen: 23.863 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065081.D

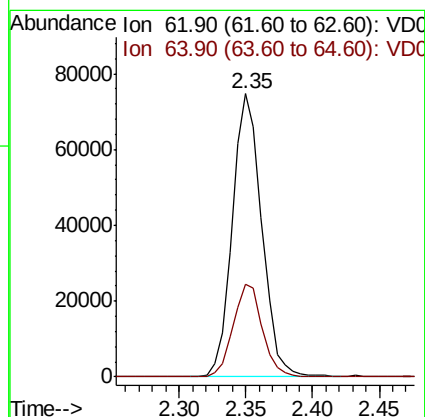
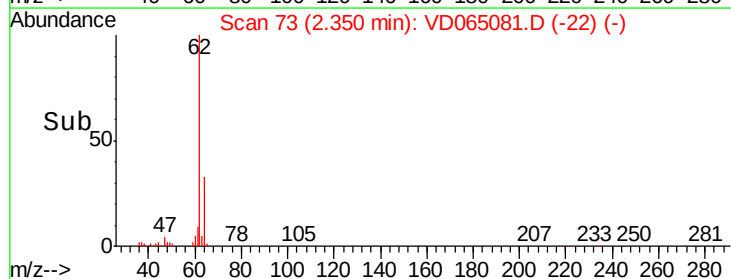
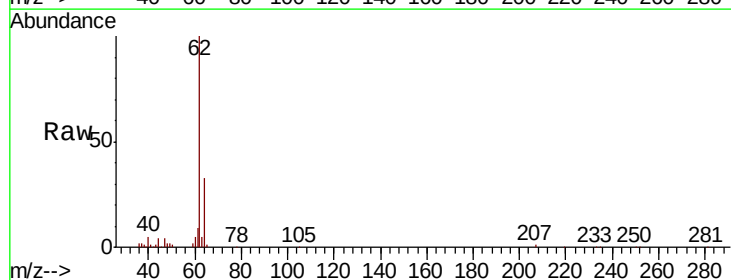
Acq: 06 Feb 2020 12:33

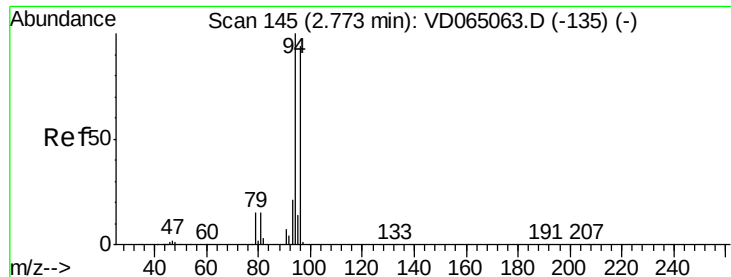
Tgt Ion: 62 Resp: 115175

Ion Ratio Lower Upper

62 100

64 32.6 25.9 38.9





#5

Bromomethane

Concen: 23.717 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

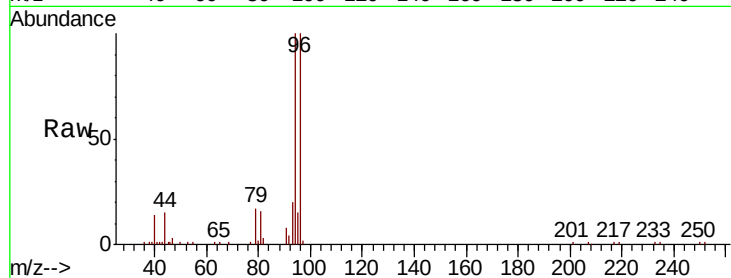
ClientSampleId :

Tot Ion: 94 Resp: 74223

Ion Ratio Lower Upper

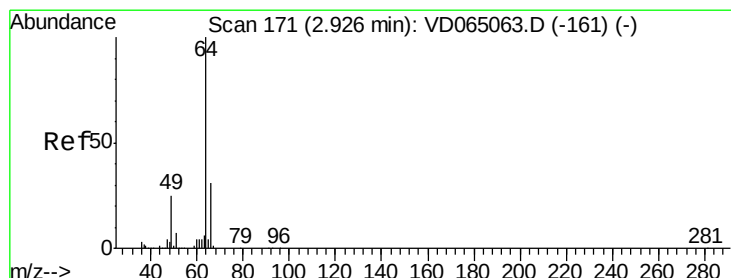
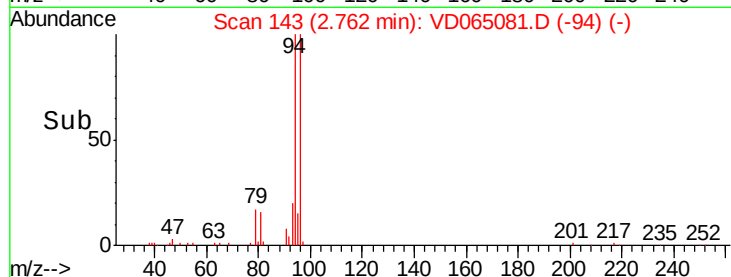
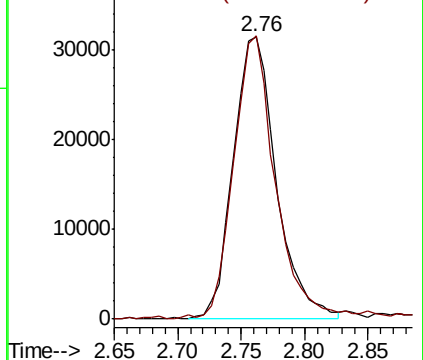
94 100

96 98.8 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.922 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065081.D

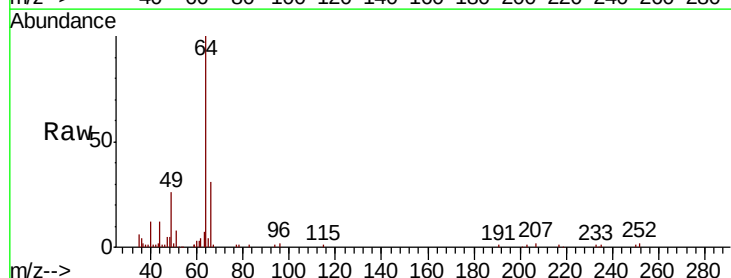
Acq: 06 Feb 2020 12:33

Tgt Ion: 64 Resp: 74614

Ion Ratio Lower Upper

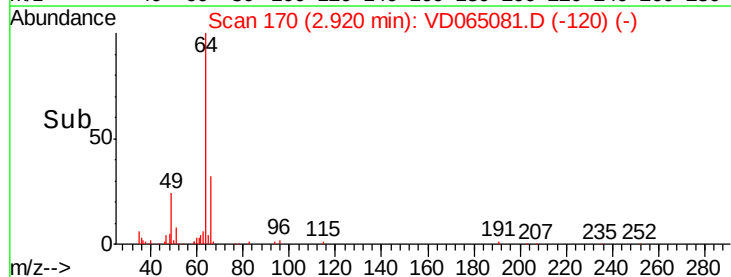
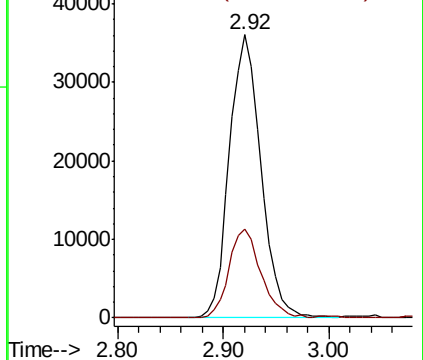
64 100

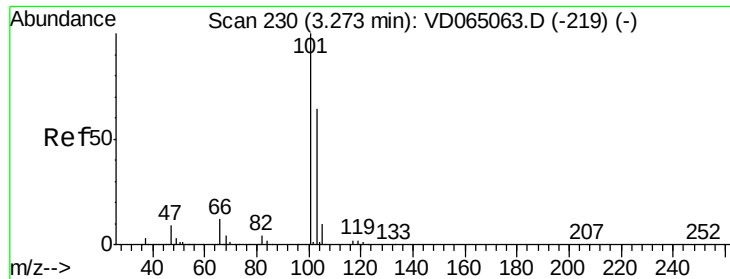
66 31.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



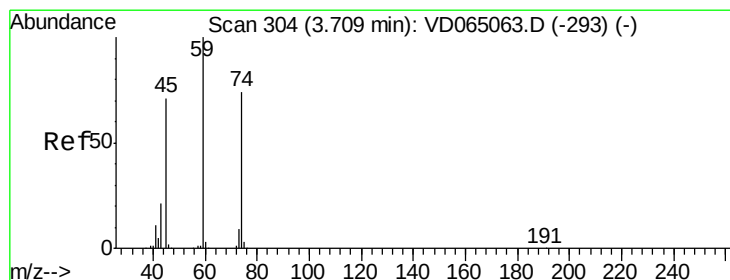
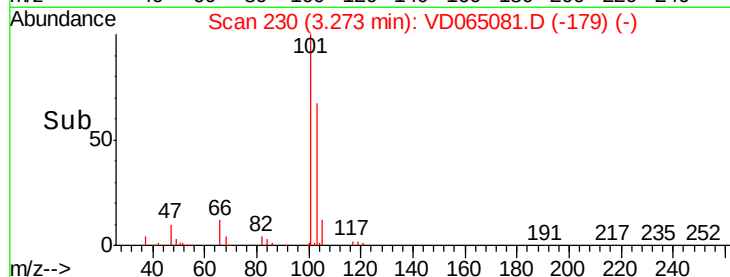
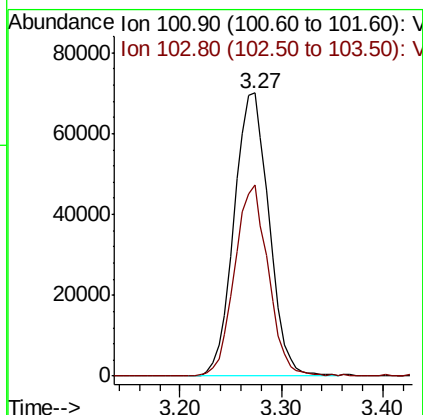
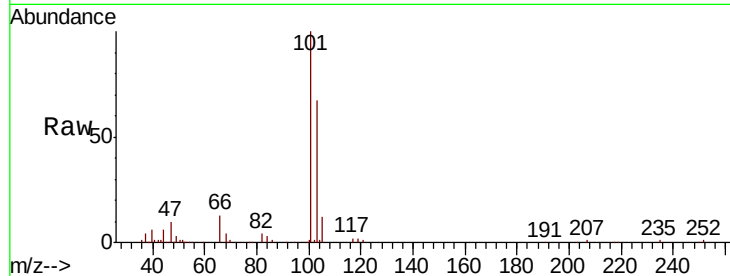


#7

Trichlorofluoromethane
 Concen: 23.849 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampled :

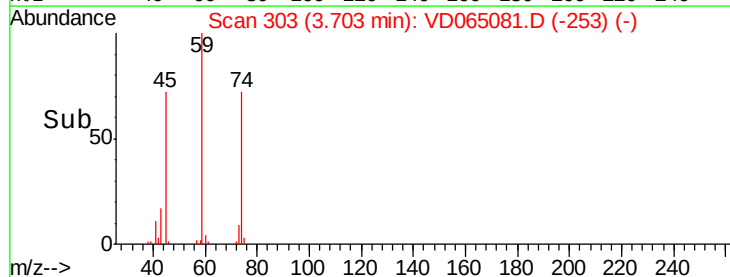
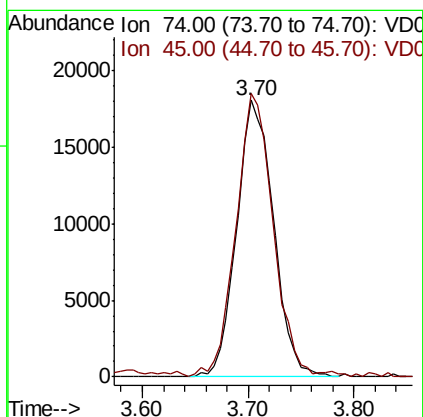
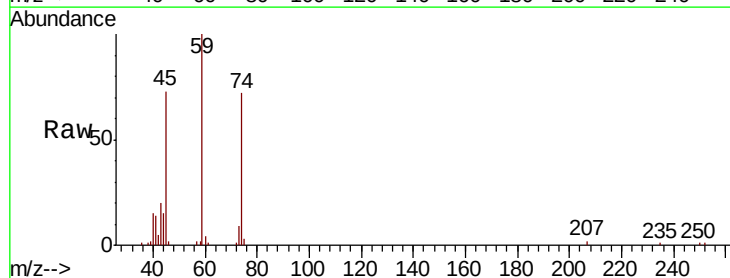
Tot Ion:101 Resp: 167515
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.0 76.6

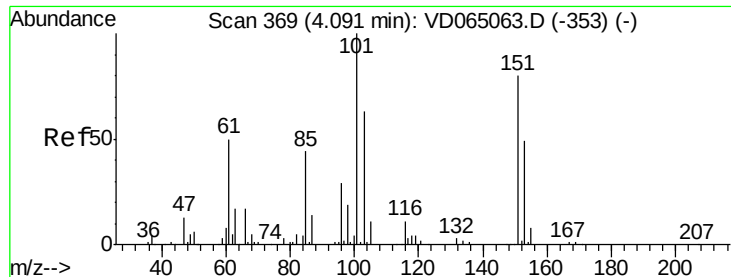


#8

Diethyl Ether
 Concen: 21.725 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion: 74 Resp: 43806
 Ion Ratio Lower Upper
 74 100
 45 103.1 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.034 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

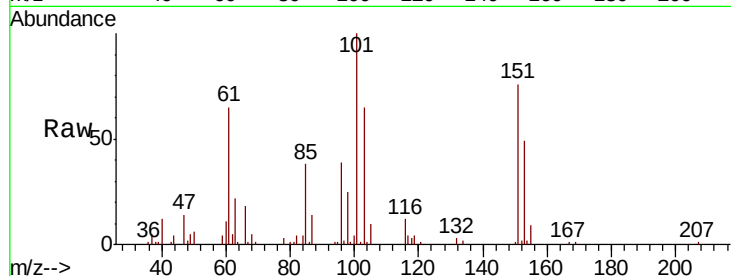
Tot Ion:101 Resp: 94614

Ion Ratio Lower Upper

101 100

85 43.9 34.0 51.0

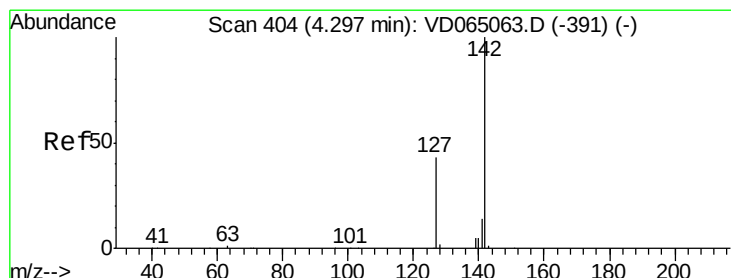
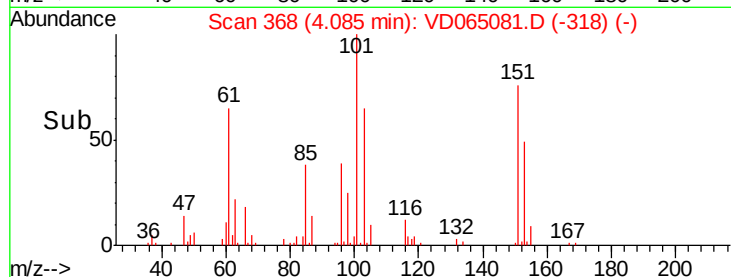
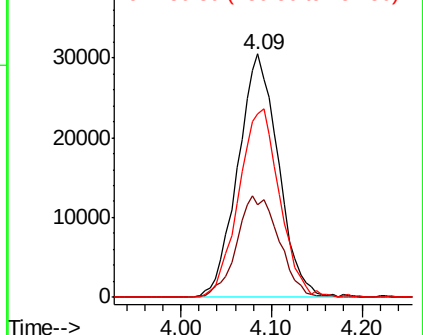
151 78.4 64.0 96.0



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: 20.060 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

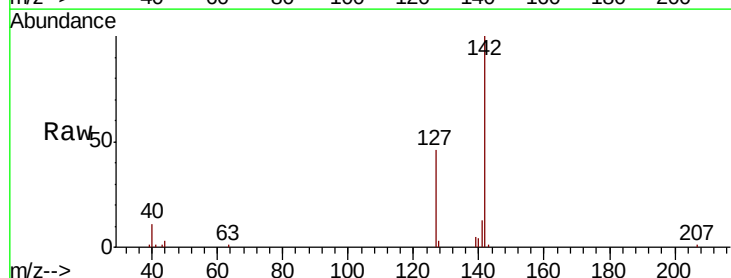
Tgt Ion:142 Resp: 98313

Ion Ratio Lower Upper

142 100

127 44.6 34.0 51.0

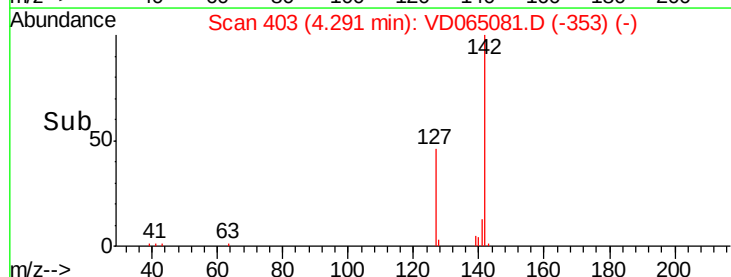
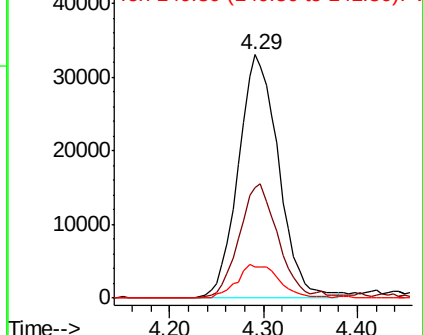
141 14.3 11.6 17.4

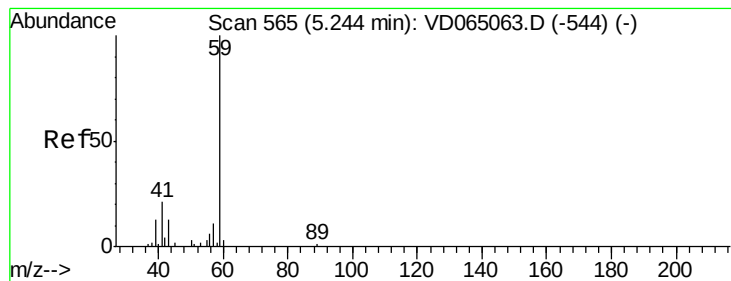


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 121.020 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

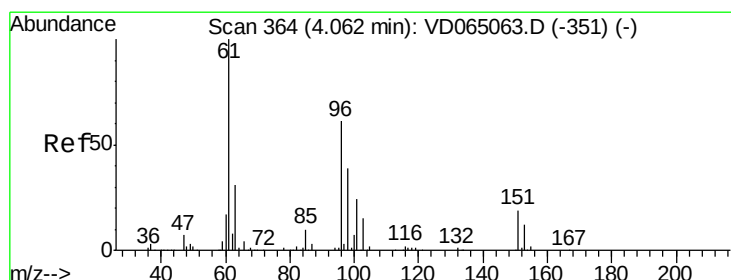
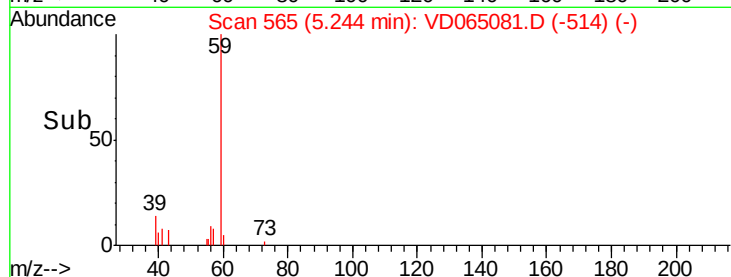
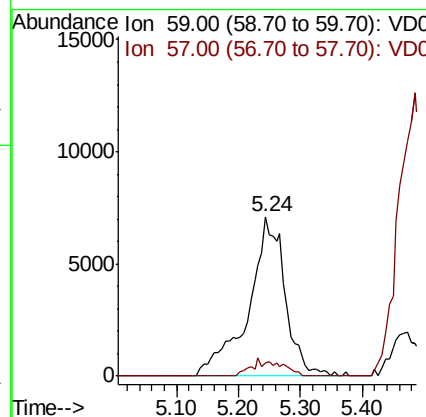
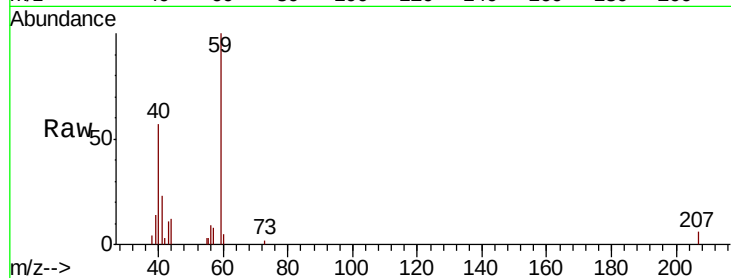
ClientSampled :

Tot Ion: 59 Resp: 29278

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#12

1,1-Dichloroethene

Concen: 21.468 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

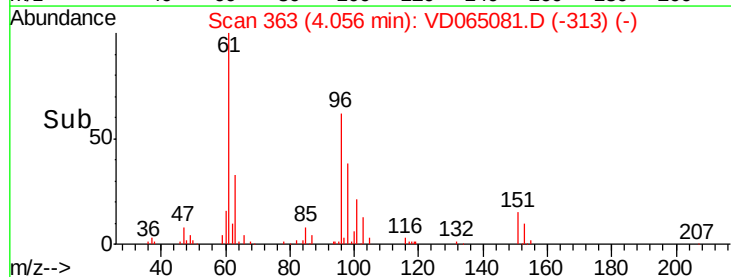
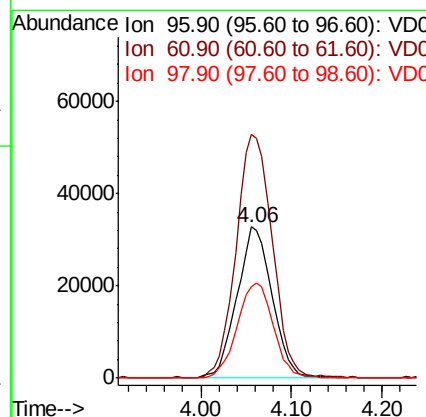
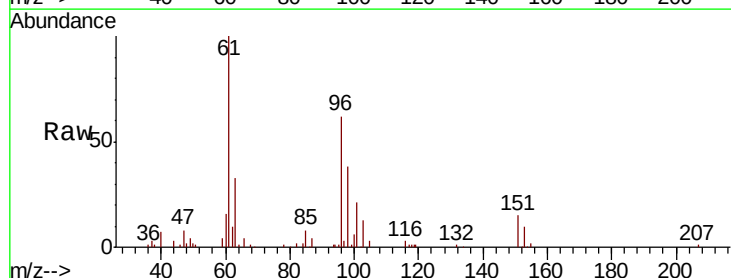
Tgt Ion: 96 Resp: 88286

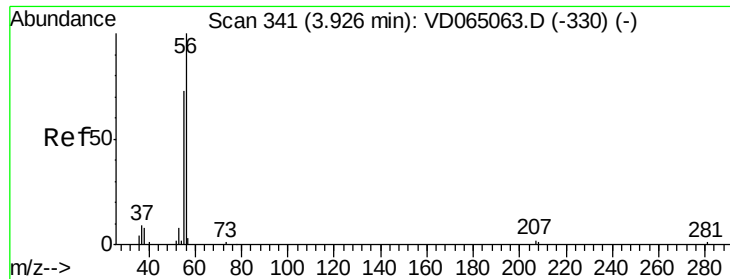
Ion Ratio Lower Upper

96 100

61 161.2 131.4 197.2

98 60.7 51.1 76.7





#13

Acrolein

Concen: 104.804 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

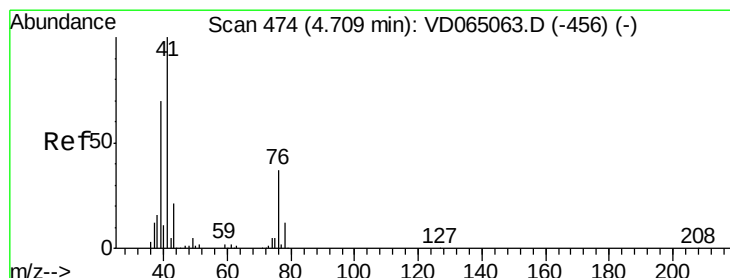
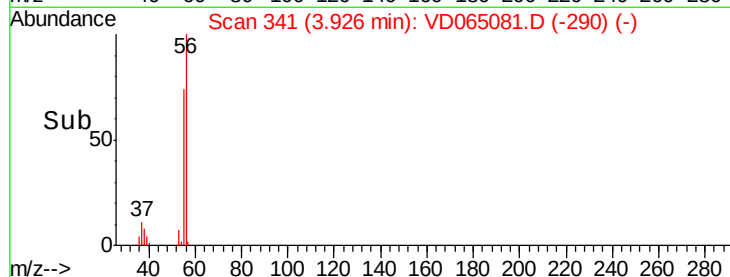
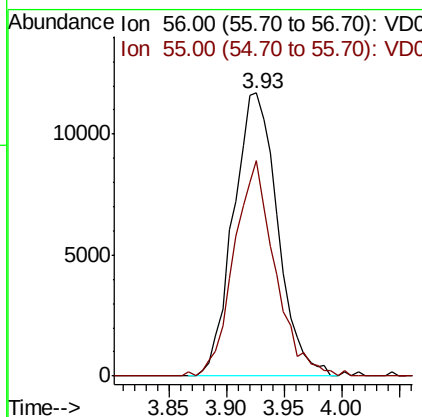
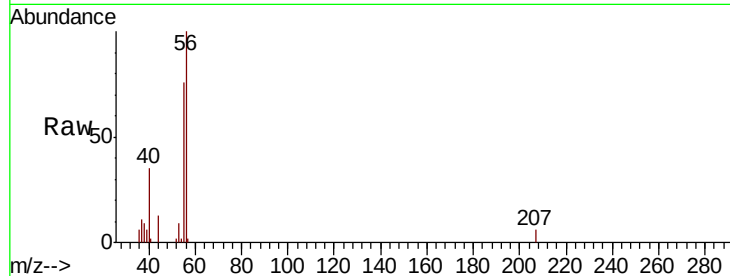
ClientSampleId :

Tot Ion: 56 Resp: 31186

Ion Ratio Lower Upper

56 100

55 70.5 58.2 87.2



#14

Allyl chloride

Concen: 22.000 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

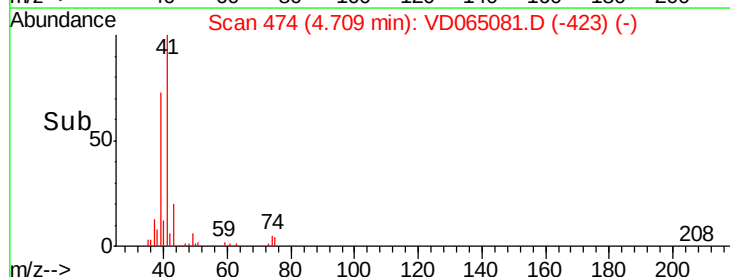
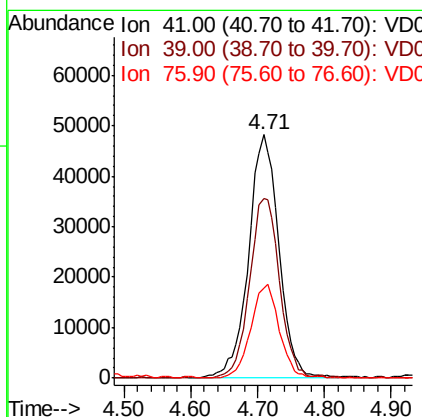
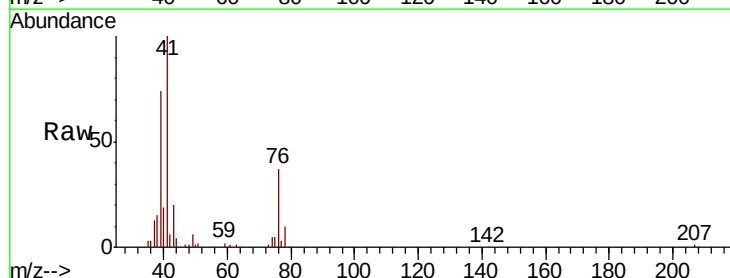
Tgt Ion: 41 Resp: 150363

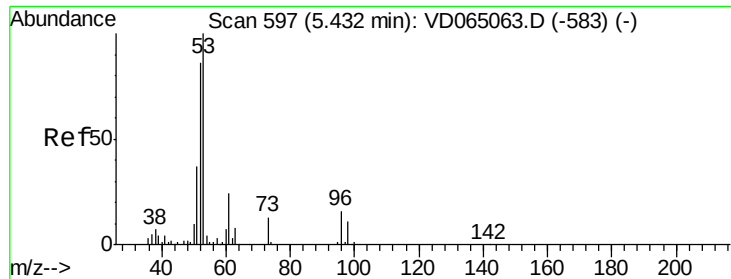
Ion Ratio Lower Upper

41 100

39 72.7 57.1 85.7

76 36.0 28.0 42.0





#15

Acrylonitrile

Concen: 112.326 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

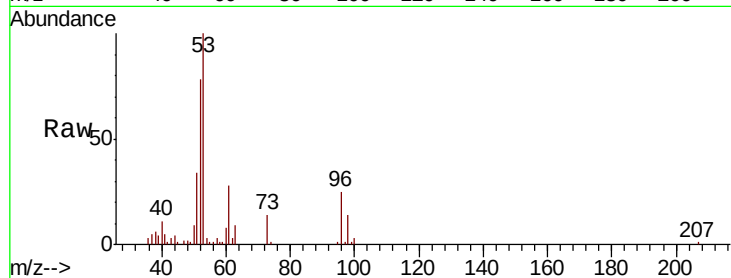
Tot Ion: 53 Resp: 99022

Ion Ratio Lower Upper

53 100

52 82.1 66.2 99.2

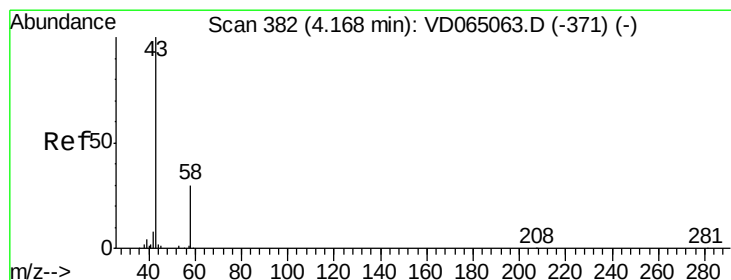
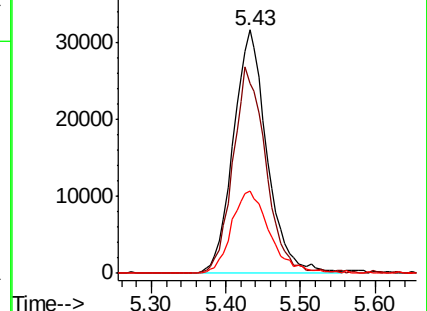
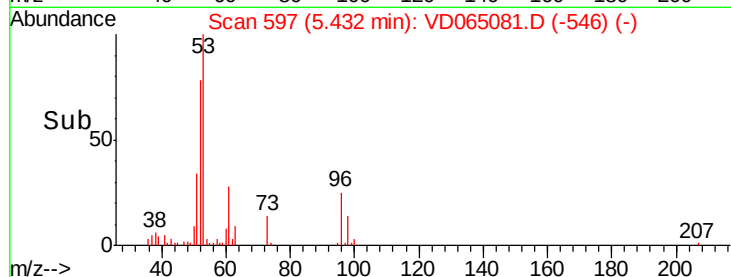
51 38.3 30.4 45.6



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: 99.972 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065081.D

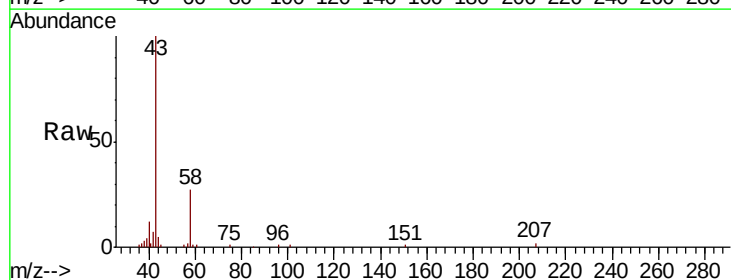
Acq: 06 Feb 2020 12:33

Tgt Ion: 43 Resp: 98969

Ion Ratio Lower Upper

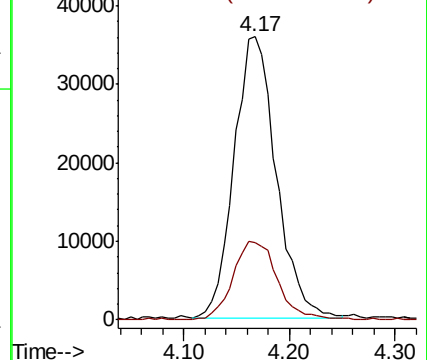
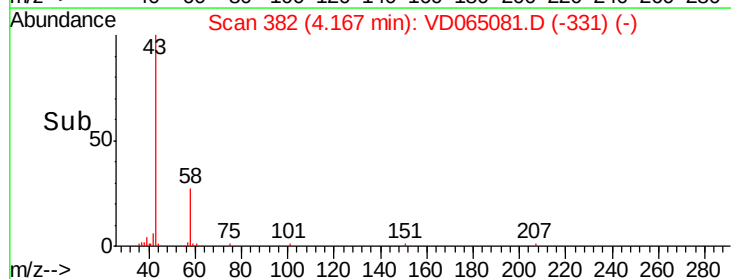
43 100

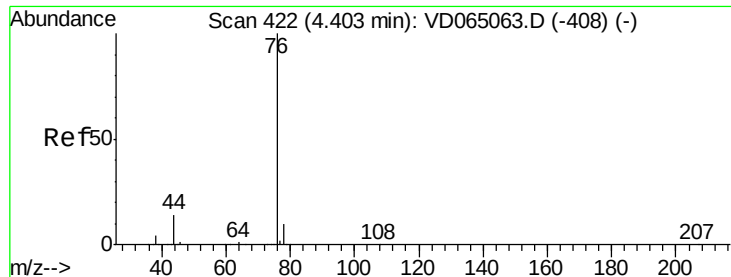
58 27.3 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

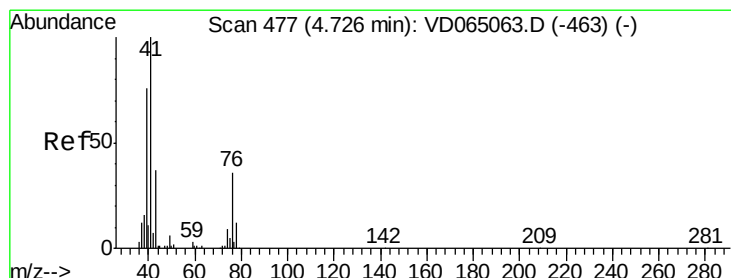
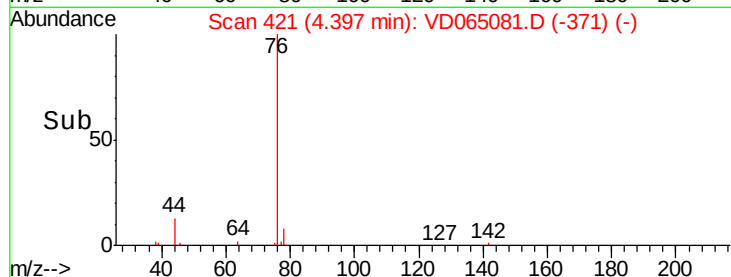
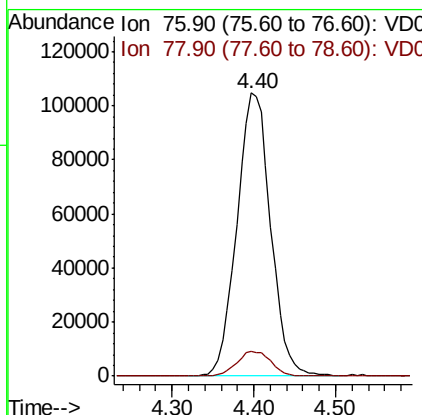
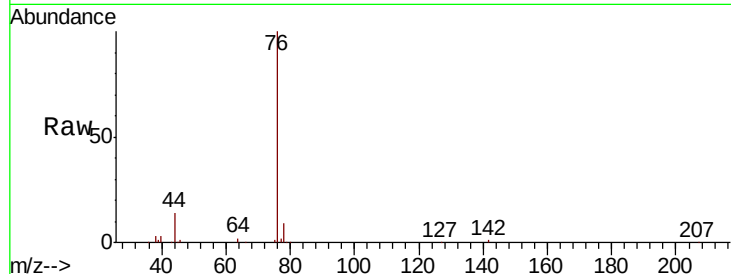




#17
Carbon Disulfide
Concen: 22.746 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

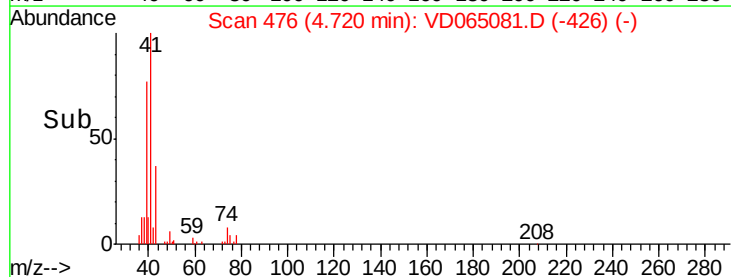
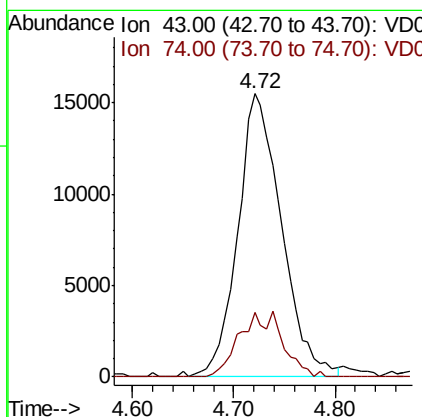
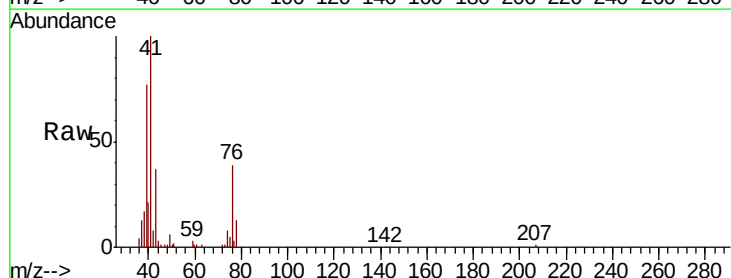
Instrument :
MSVOA_D
ClientSampled :

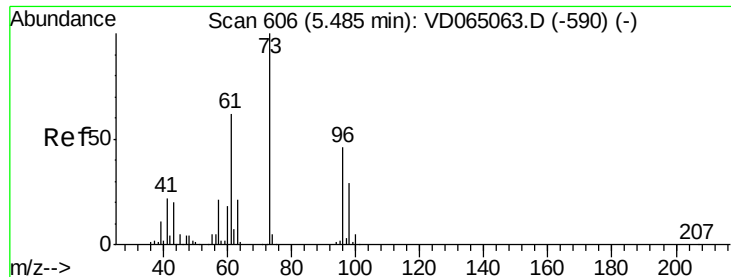
Tot Ion: 76 Resp: 300341
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4



#18
Methyl Acetate
Concen: 22.445 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 43 Resp: 46424
Ion Ratio Lower Upper
43 100
74 14.3 18.7 28.1#

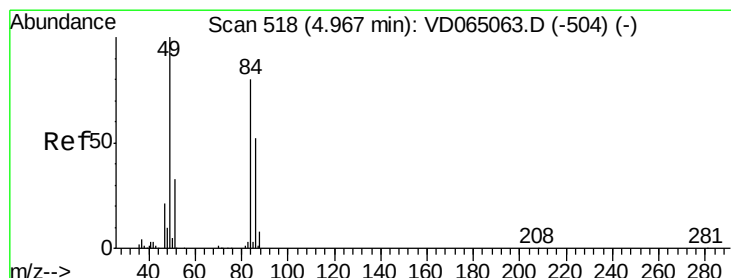
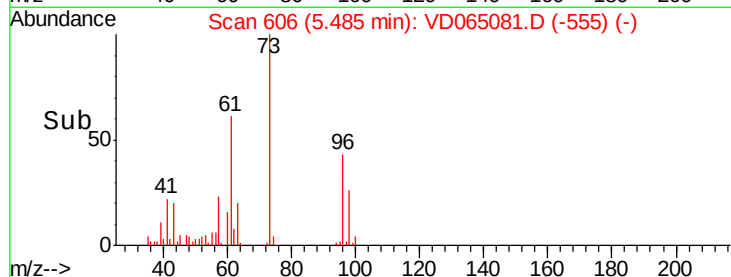
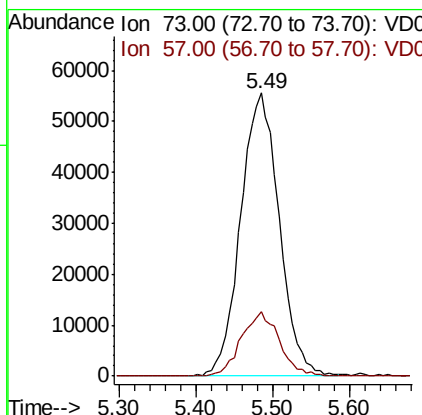
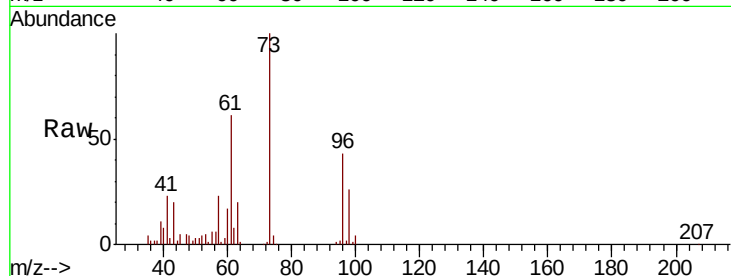




#19
Methyl tert-butyl Ether
Concen: 21.441 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

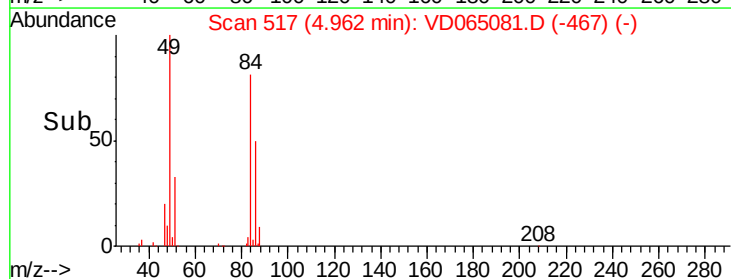
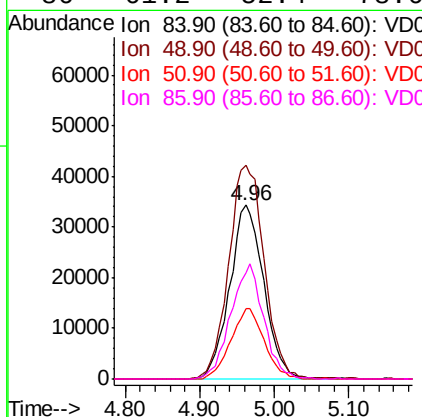
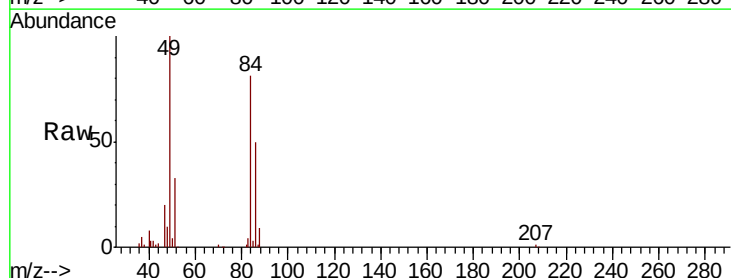
Instrument :
MSVOA_D
ClientSampleId :

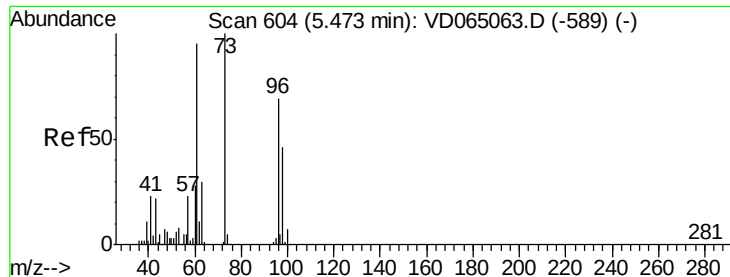
Tot Ion: 73 Resp: 194988
Ion Ratio Lower Upper
73 100
57 22.7 16.8 25.2



#20
Methylene Chloride
Concen: 22.905 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 84 Resp: 109152
Ion Ratio Lower Upper
84 100
49 123.0 100.4 150.6
51 40.4 32.7 49.1
86 61.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.926 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

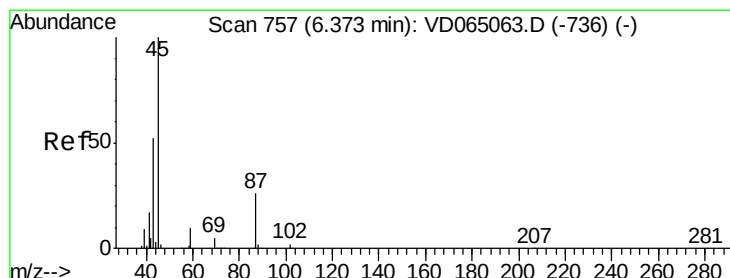
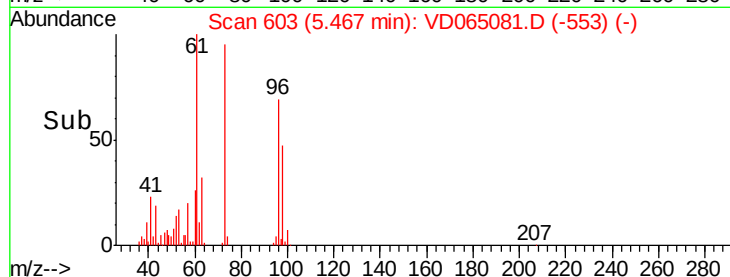
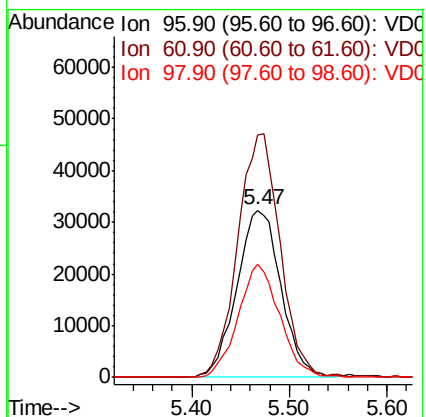
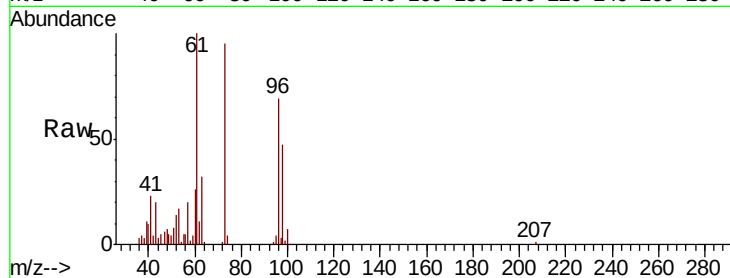
Tot Ion: 96 Resp: 102015

Ion Ratio Lower Upper

96 100

61 144.8 109.5 164.3

98 67.5 53.7 80.5



#22

Diisopropyl ether

Concen: 22.535 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Tgt Ion: 45 Resp: 290517

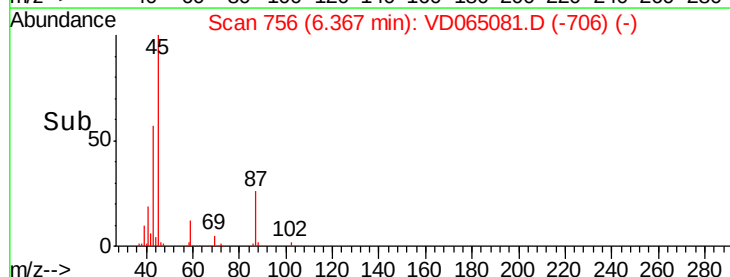
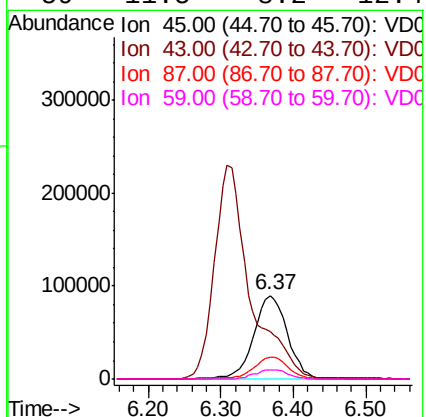
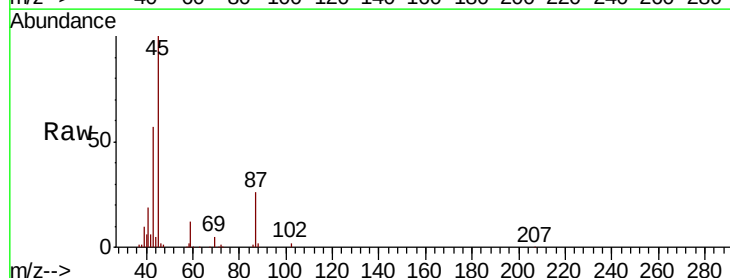
Ion Ratio Lower Upper

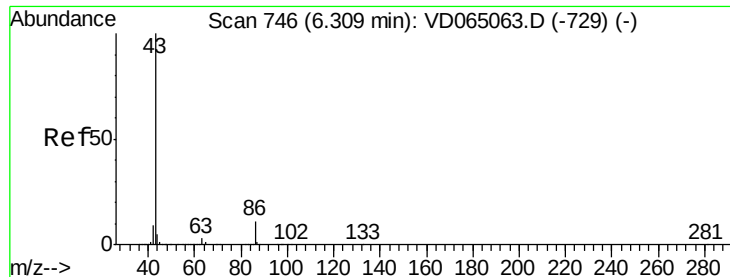
45 100

43 55.5 41.3 61.9

87 26.1 21.0 31.6

59 11.5 8.2 12.4





#23

Vinyl Acetate

Concen: 109.560 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

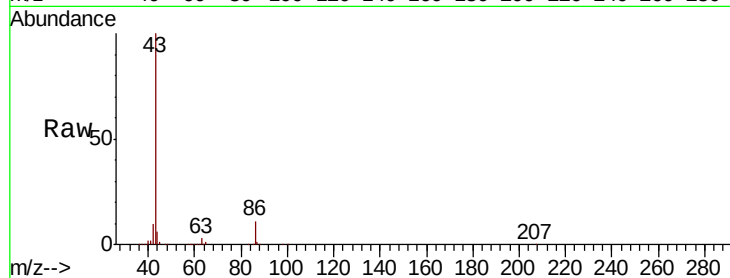
ClientSampled :

Tot Ion: 43 Resp: 787270

Ion Ratio Lower Upper

43 100

86 10.4 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

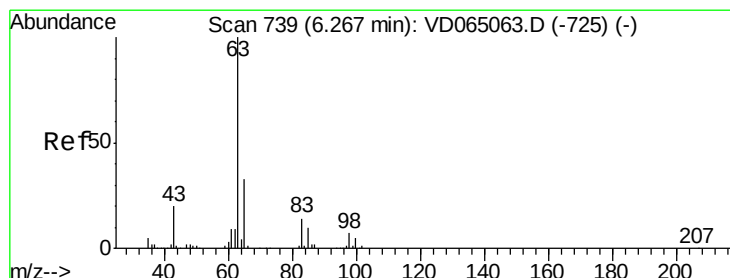
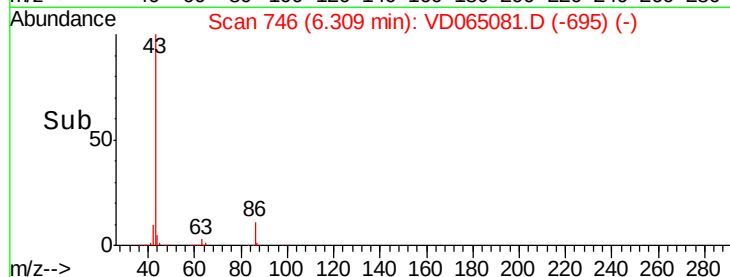
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.549 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

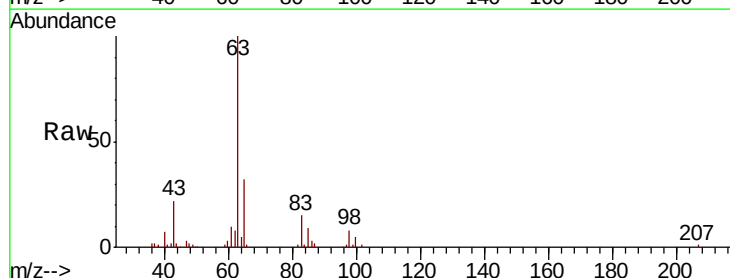
Tgt Ion: 63 Resp: 175955

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

100 4.9 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

6.27

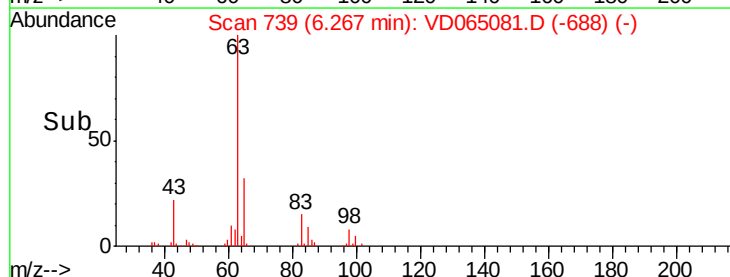
60000

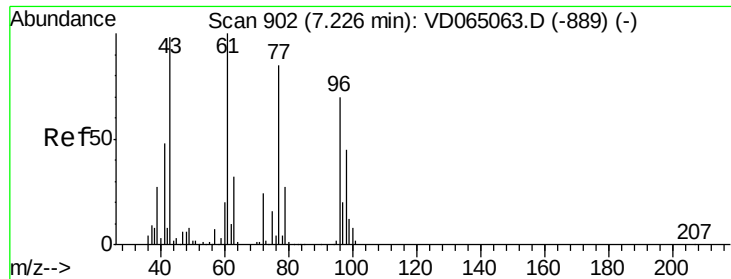
40000

20000

0

Time-->





#25

2-Butanone

Concen: 109.194 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

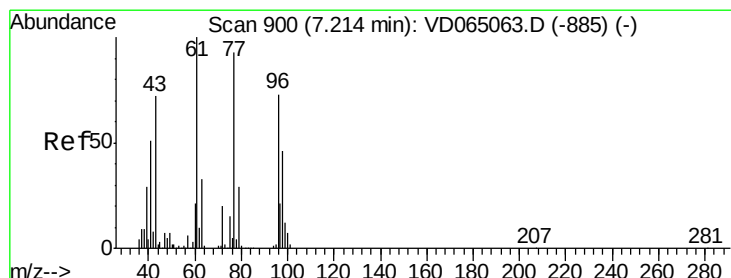
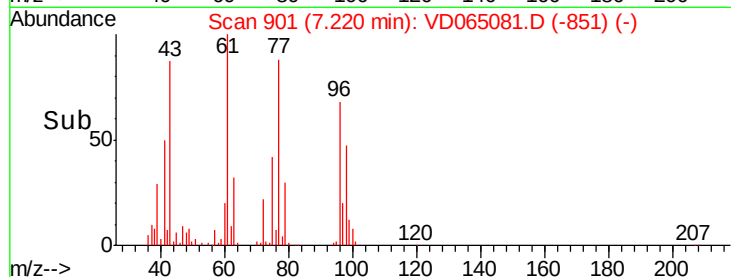
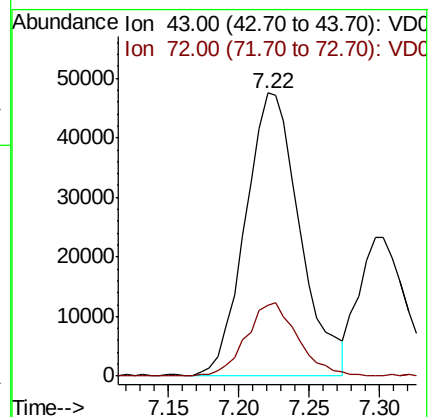
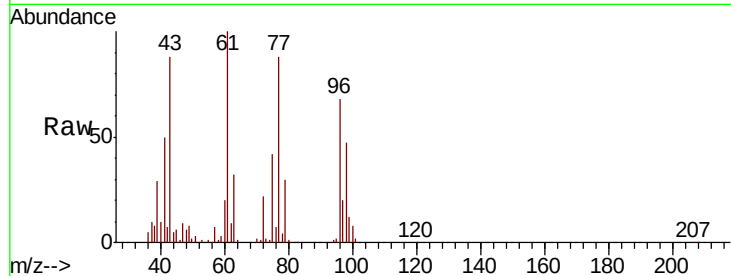
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 128946

Ion Ratio Lower Upper

43 100

72 24.9 19.9 29.9



#26

2,2-Dichloropropane

Concen: 22.752 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065081.D

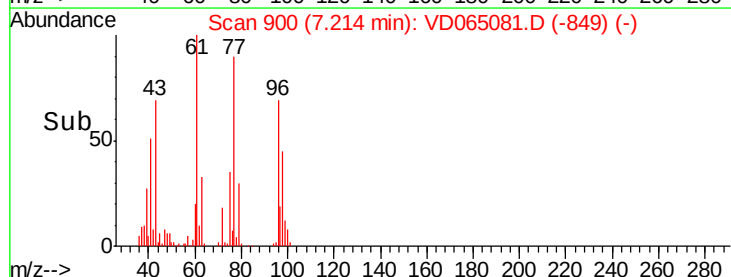
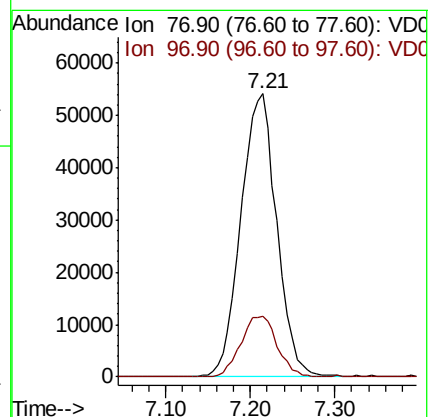
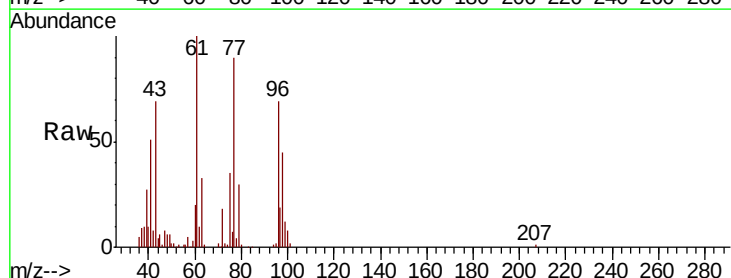
Acq: 06 Feb 2020 12:33

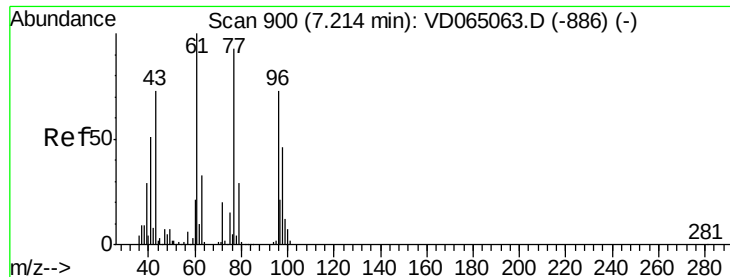
Tgt Ion: 77 Resp: 159133

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 22.163 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :

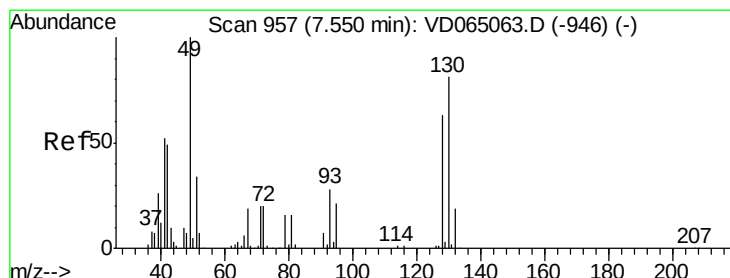
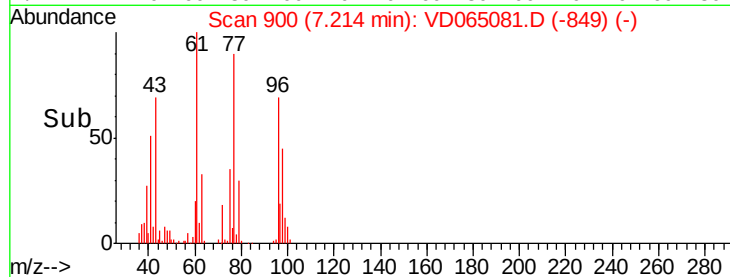
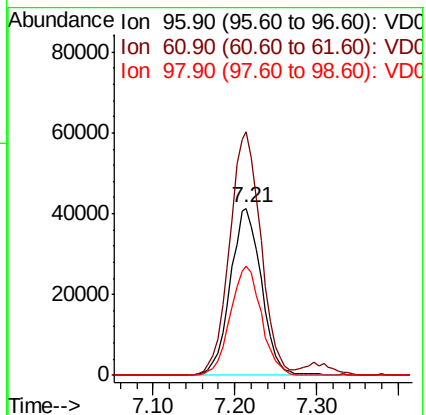
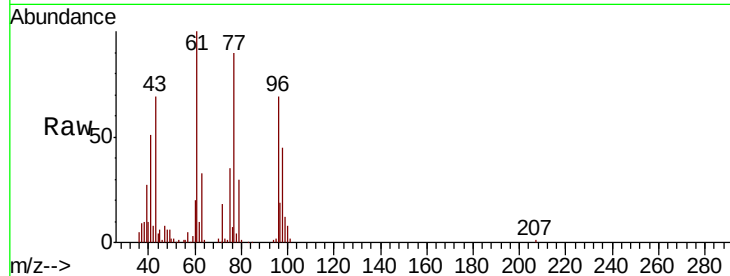
Tot Ion: 96 Resp: 109550

Ion Ratio Lower Upper

96 100

61 146.3 0.0 292.8

98 65.1 0.0 128.8



#28

Bromochloromethane

Concen: 20.293 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

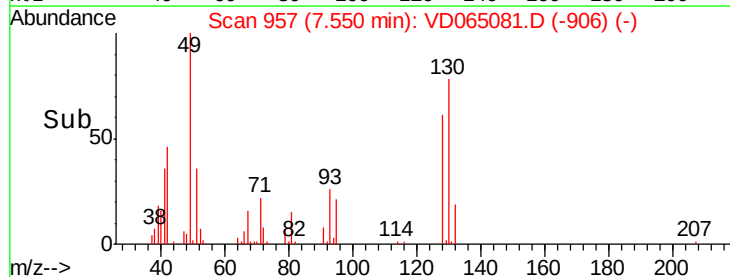
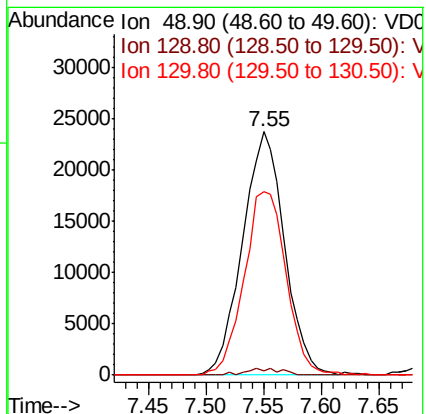
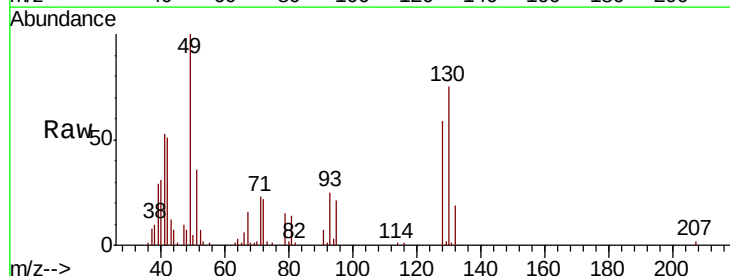
Tgt Ion: 49 Resp: 60027

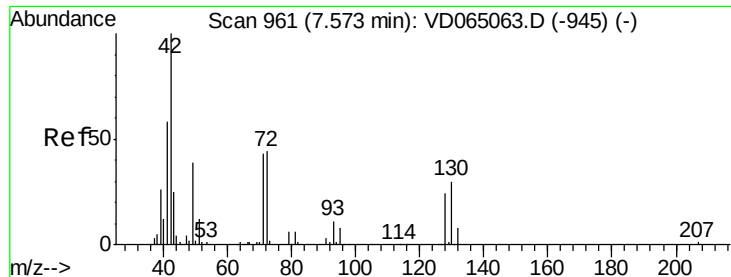
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 75.9 63.8 95.8

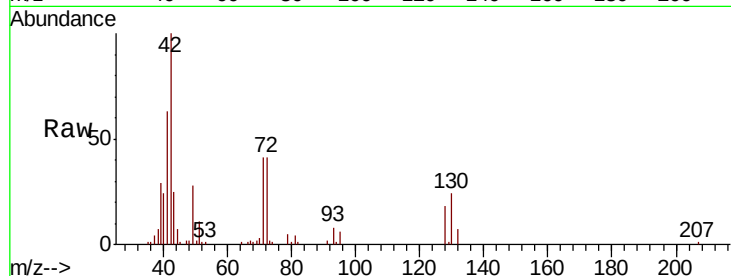




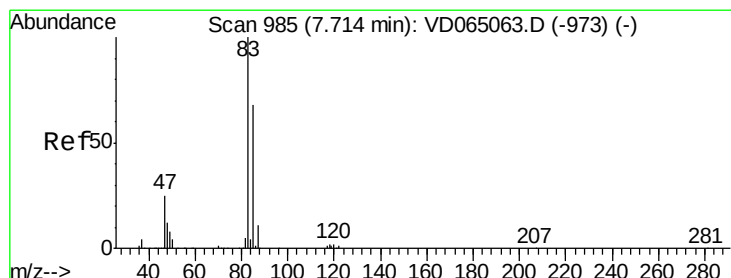
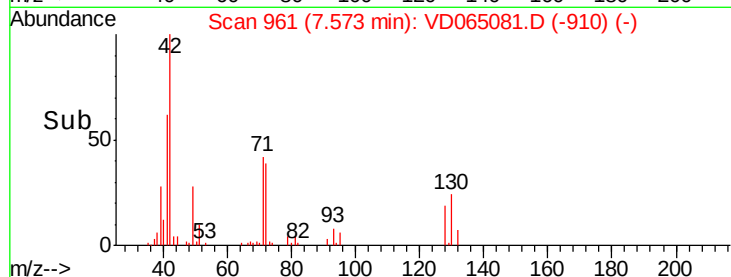
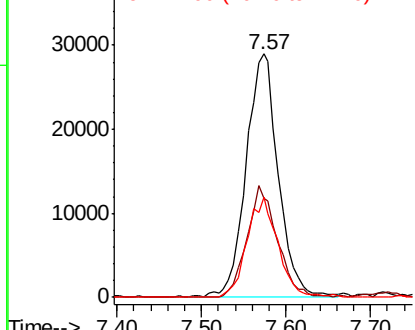
#29
Tetrahydrofuran
Concen: 108.003 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 77128
Ion Ratio Lower Upper
42 100
72 43.1 34.2 51.4
71 39.3 31.8 47.6

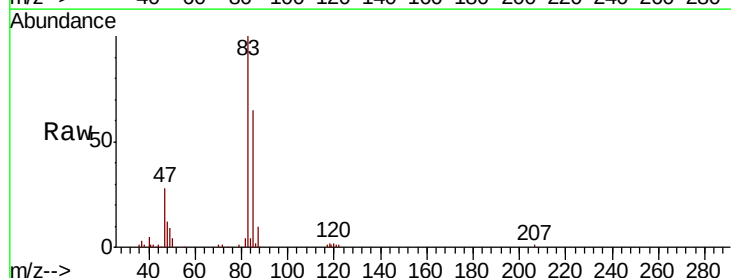


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

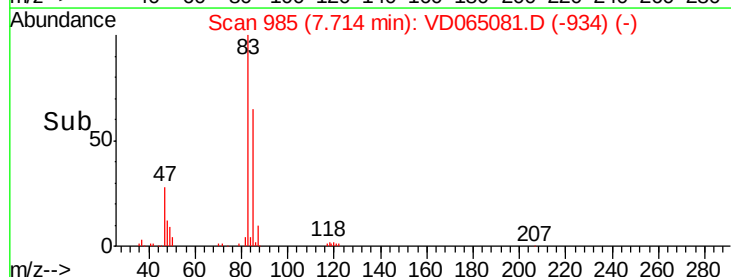
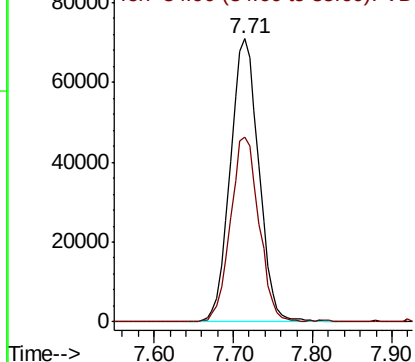


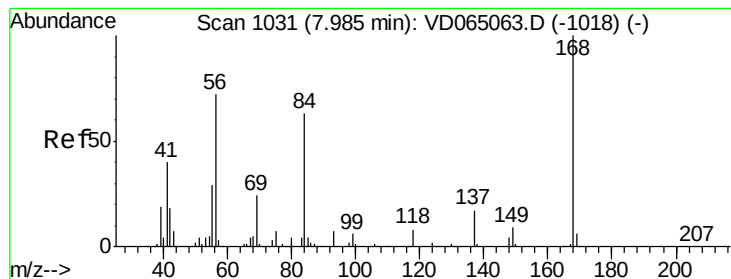
#30
Chloroform
Concen: 22.731 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 83 Resp: 176614
Ion Ratio Lower Upper
83 100
85 65.3 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: 21.284 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

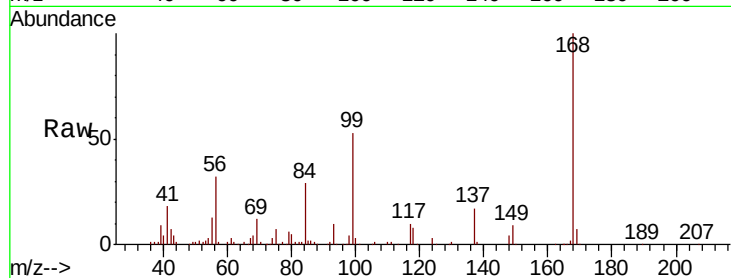
Tot Ion: 56 Resp: 167653

Ion Ratio Lower Upper

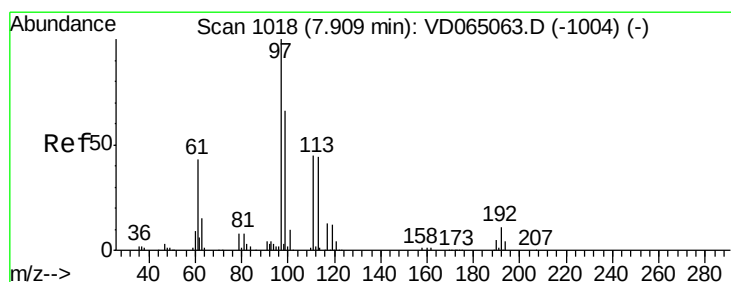
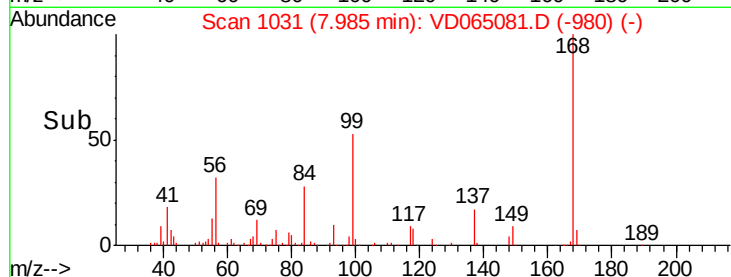
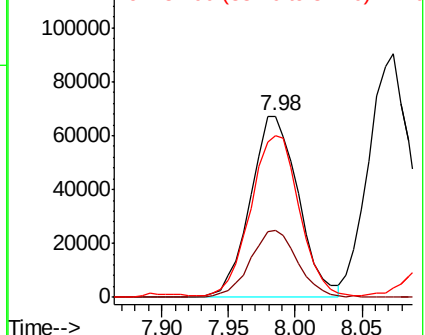
56 100

69 36.8 26.6 40.0

84 87.9 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: 22.299 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

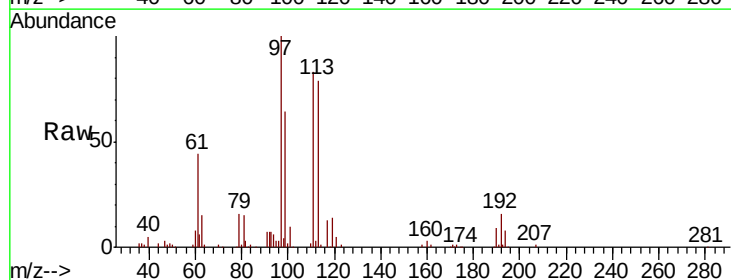
Tgt Ion: 97 Resp: 161393

Ion Ratio Lower Upper

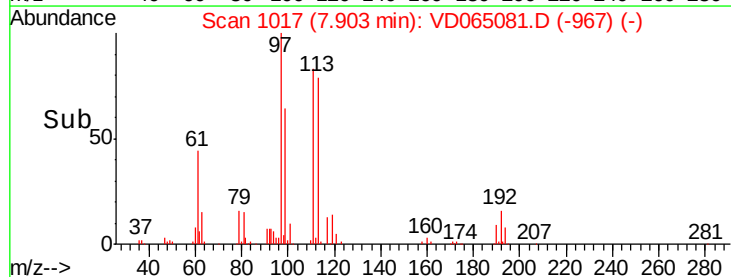
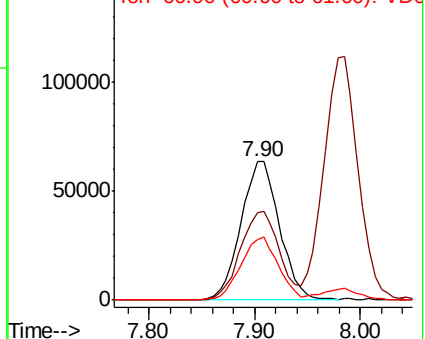
97 100

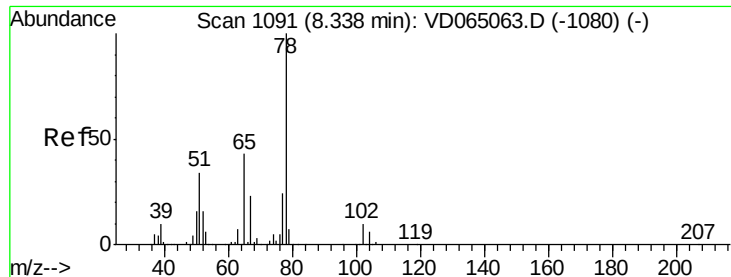
99 65.4 51.5 77.3

61 44.6 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

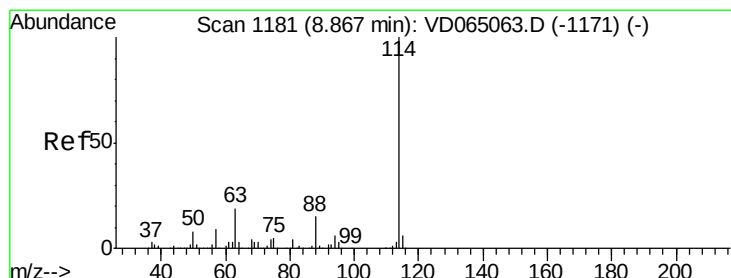
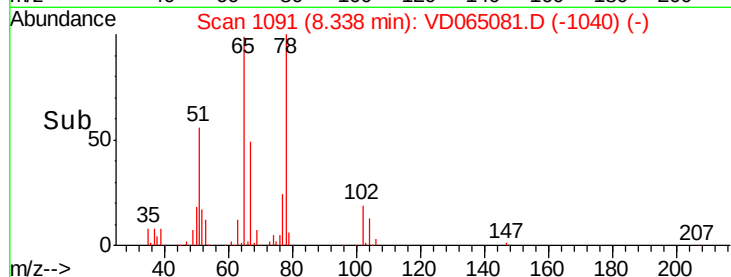
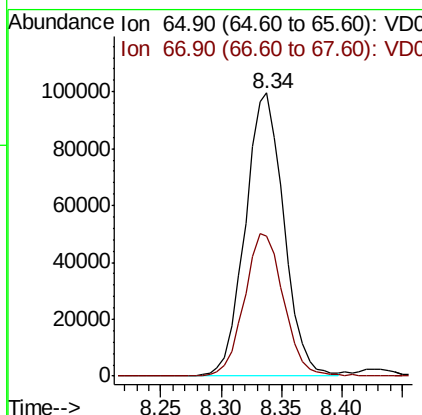
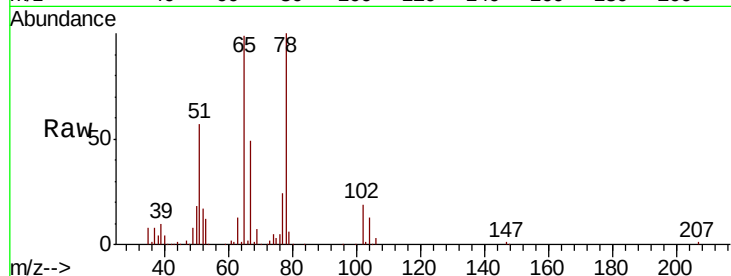




#33
 1,2-Dichloroethane-d4
 Concen: 56.113 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

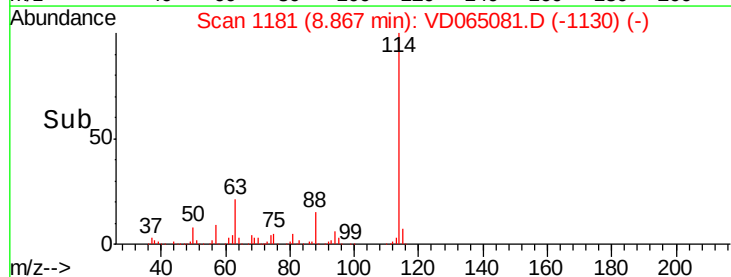
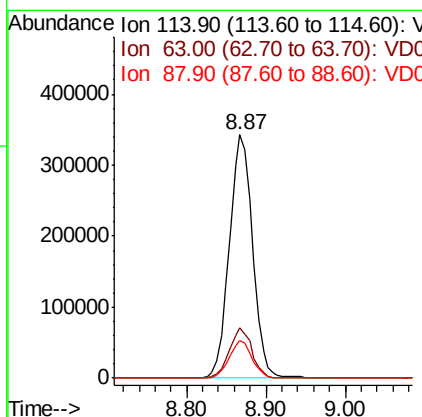
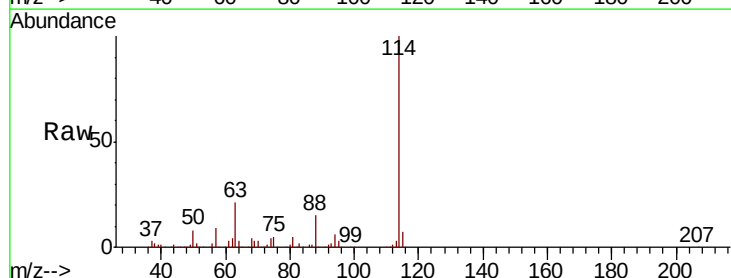
Instrument :
 MSVOA_D
 ClientSampleId :

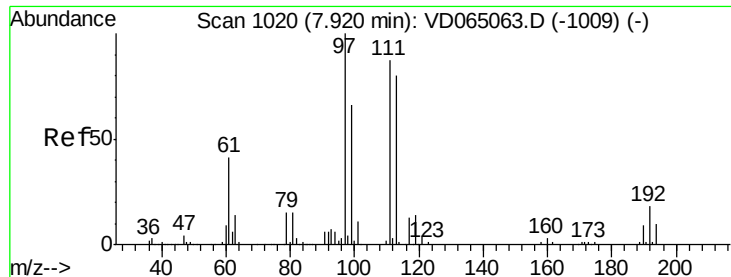
Tot Ion: 65 Resp: 222187
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion: 114 Resp: 695342
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 38.8
 88 15.2 0.0 29.6

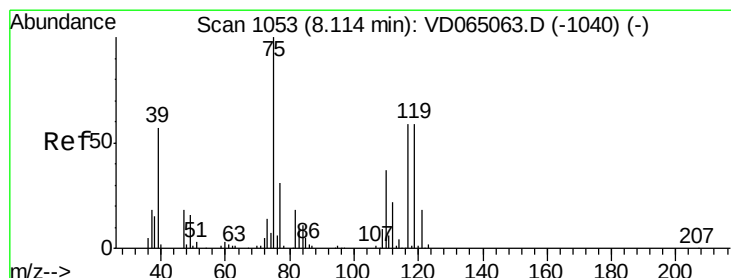
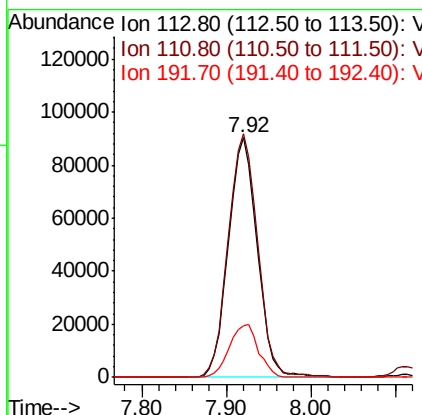
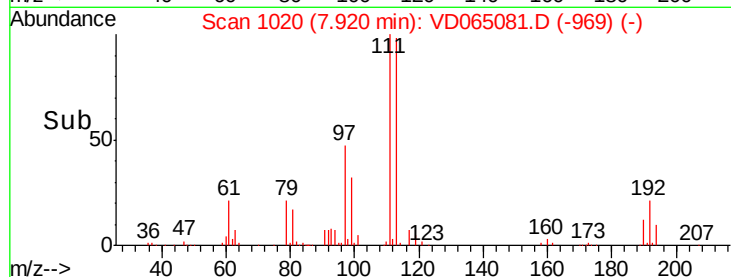
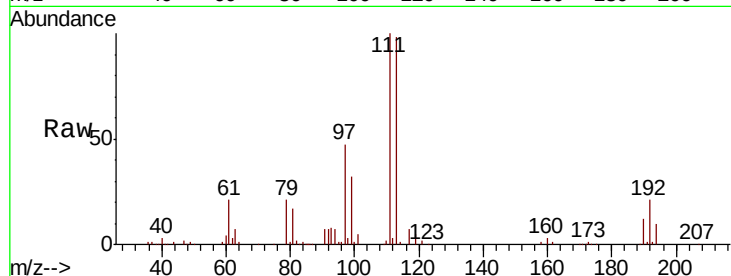




#35
 Dibromofluoromethane
 Concen: 54.939 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

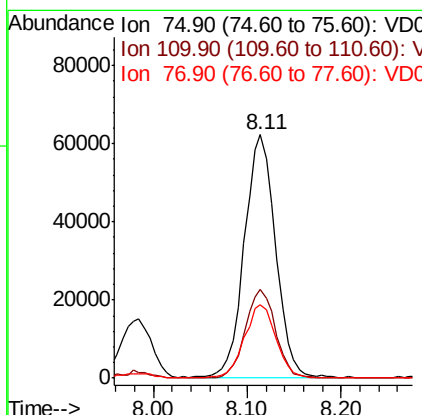
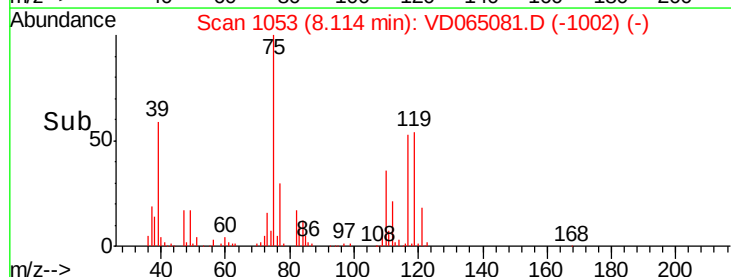
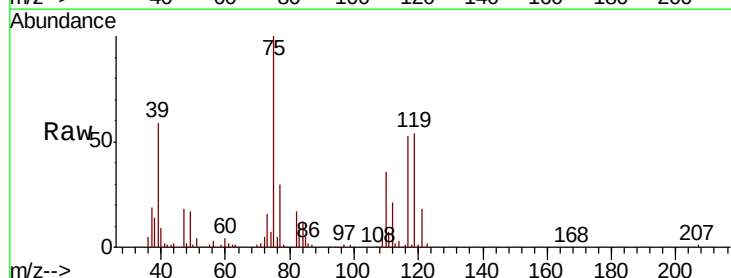
Instrument :
 MSVOA_D
 ClientSampleId :

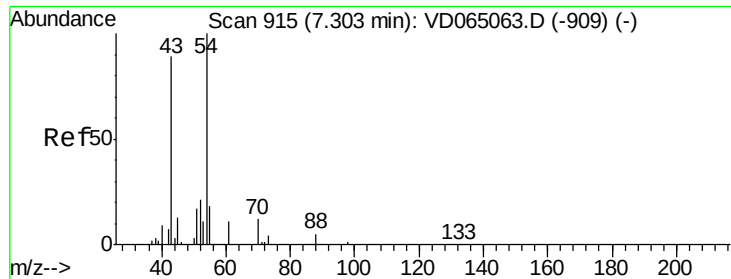
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	22.3	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 22.063 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.3
77	30.8	24.7	37.1

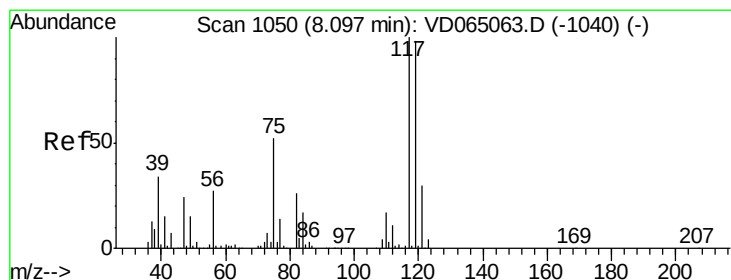
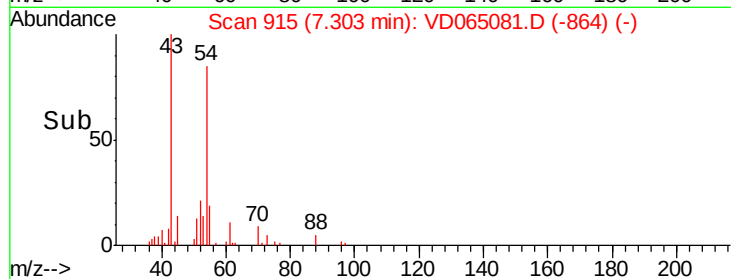
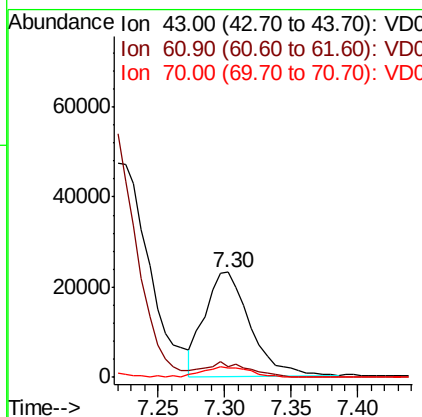
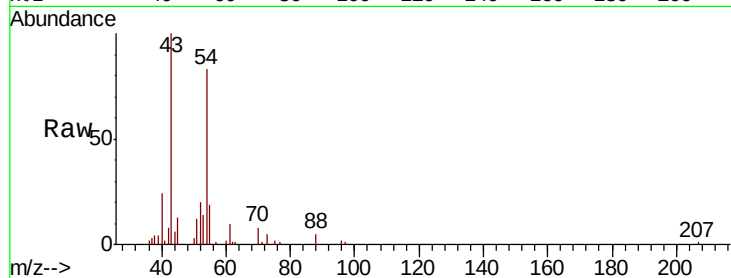




#37
Ethyl Acetate
Concen: 20.567 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

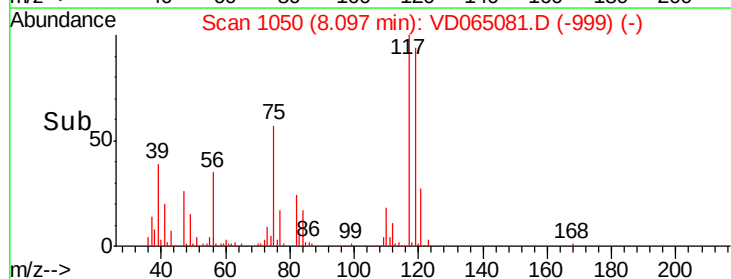
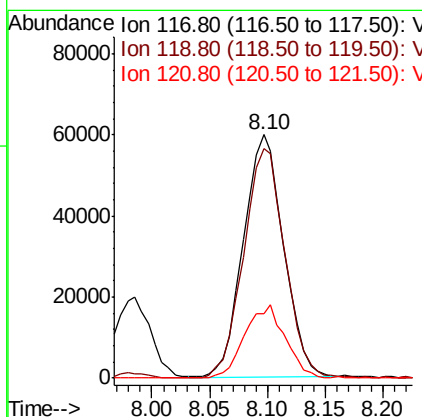
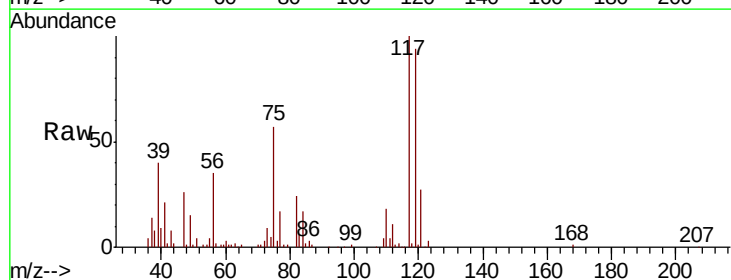
Instrument :
MSVOA_D
ClientSampleId :

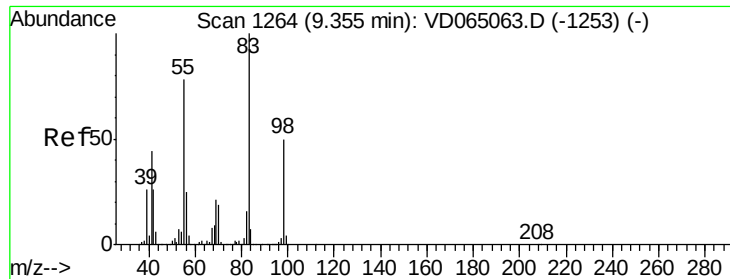
Tot Ion: 43 Resp: 54327
Ion Ratio Lower Upper
43 100
61 14.6 11.0 16.4
70 10.9 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.991 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 117 Resp: 145217
Ion Ratio Lower Upper
117 100
119 94.8 78.5 117.7
121 26.8 23.8 35.6

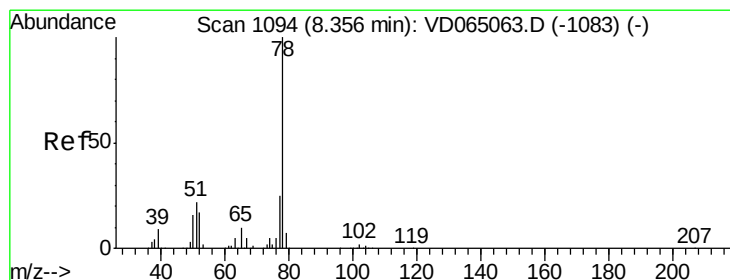
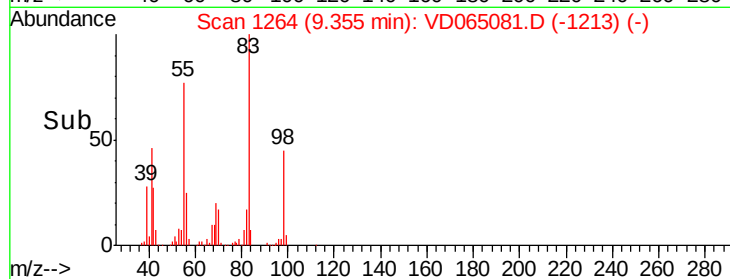
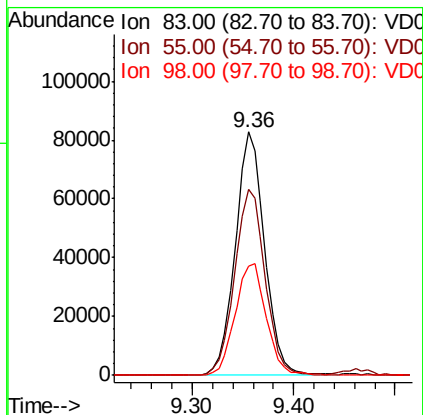
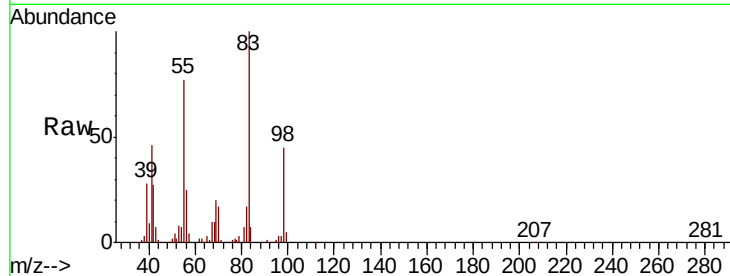




#39
Methylvlcyclohexane
Concen: 20.778 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

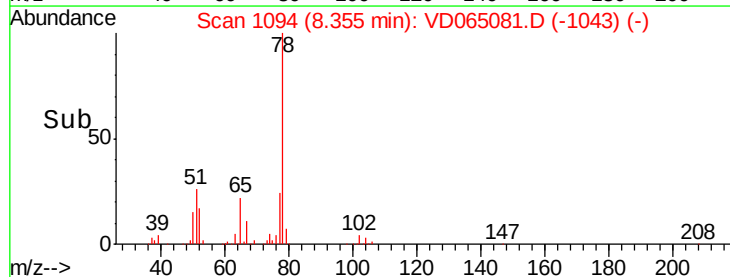
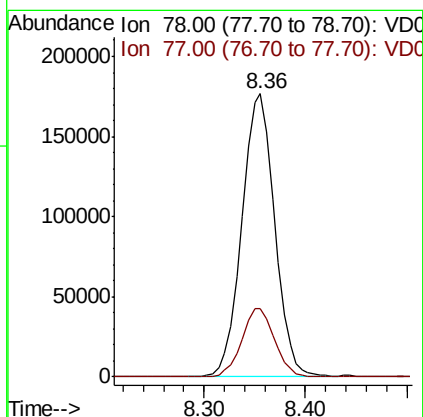
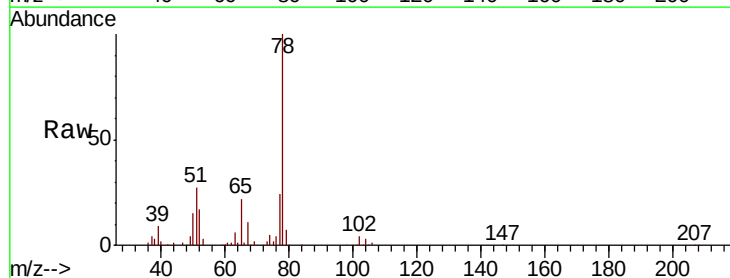
Instrument :
MSVOA_D
ClientSampled :

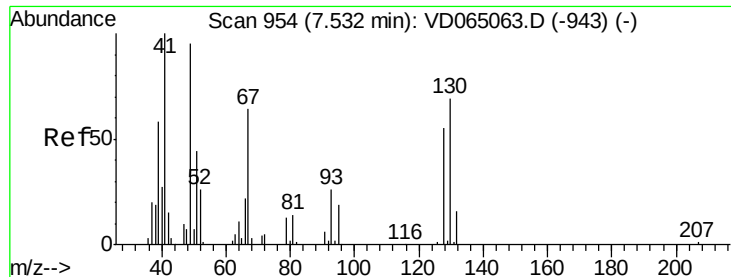
Tot Ion: 83 Resp: 165825
Ion Ratio Lower Upper
83 100
55 76.6 62.0 93.0
98 44.9 39.9 59.9



#40
Benzene
Concen: 22.168 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 78 Resp: 395809
Ion Ratio Lower Upper
78 100
77 24.3 19.6 29.4

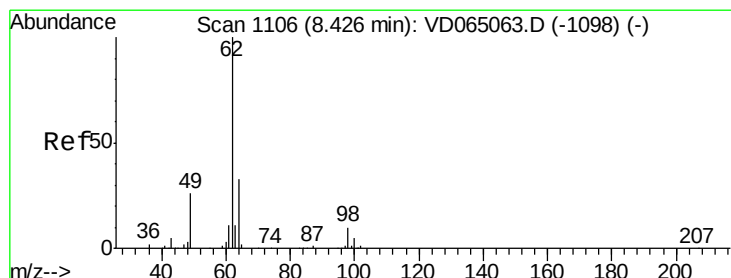
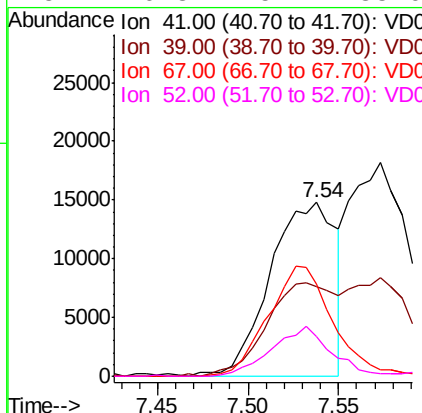
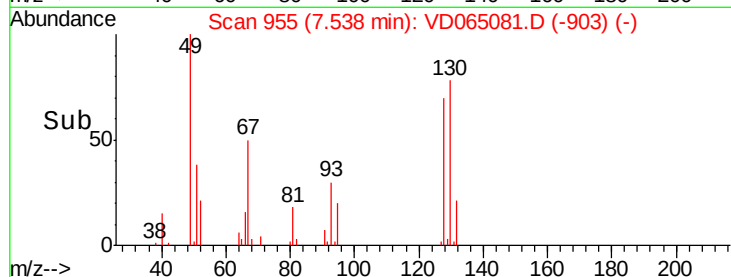
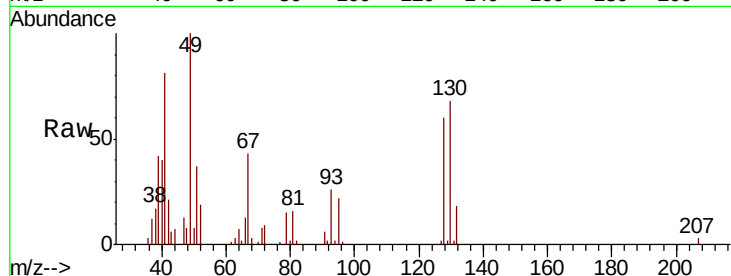




#41
Methacrylonitrile
Concen: 25.712 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

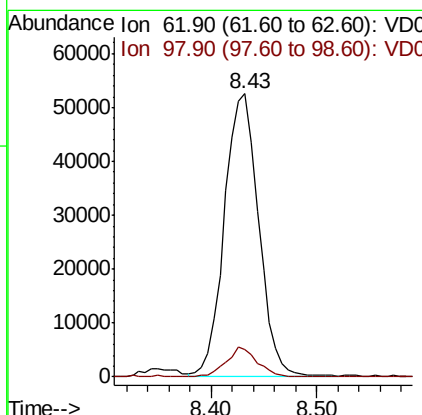
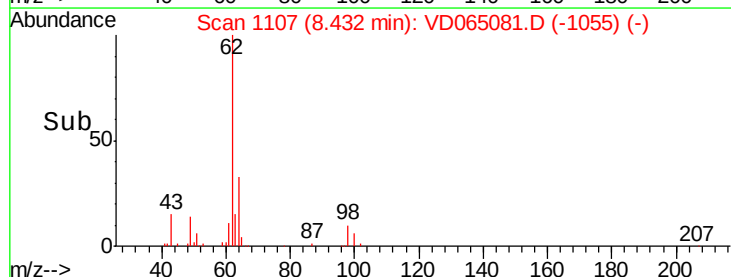
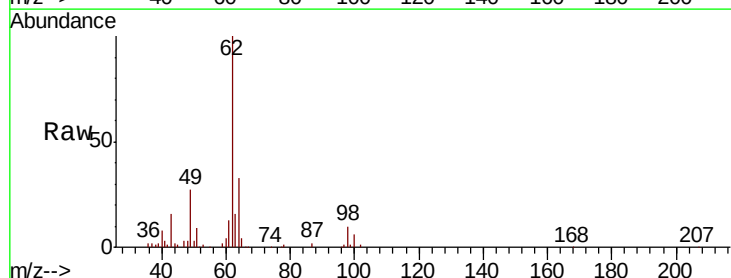
Instrument :
MSVOA_D
ClientSampleId :

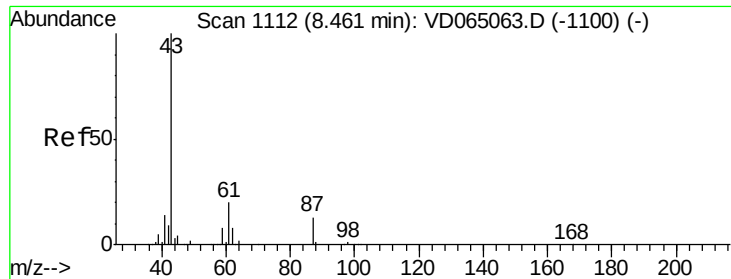
Tot Ion: 41 Resp: 37417
Ion Ratio Lower Upper
41 100
39 56.2 55.4 83.0
67 62.6 59.0 88.6
52 26.3 25.4 38.0



#42
1,2-Dichloroethane
Concen: 23.118 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 62 Resp: 117610
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.6





#43

Isopropyl Acetate

Concen: 21.305 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

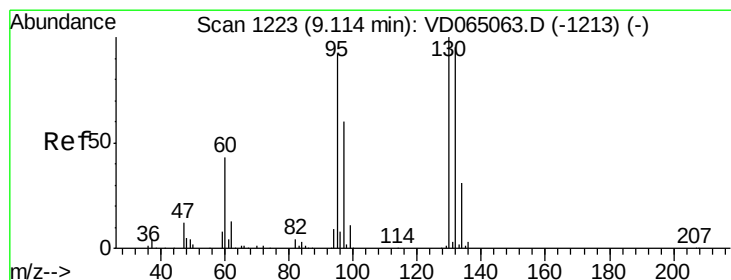
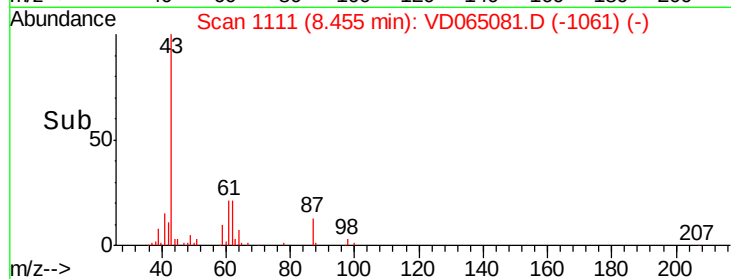
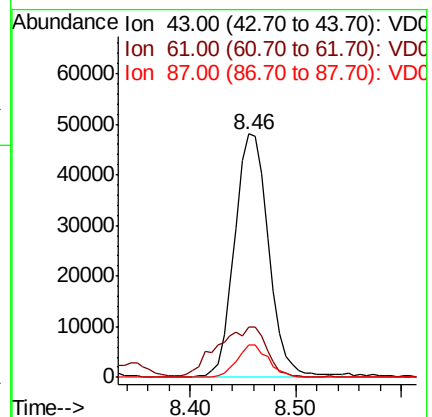
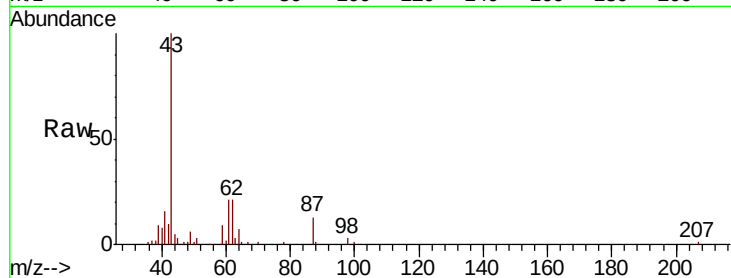
Tot Ion: 43 Resp: 107652

Ion Ratio Lower Upper

43 100

61 30.1 24.0 36.0

87 12.2 10.2 15.4



#44

Trichloroethene

Concen: 21.472 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065081.D

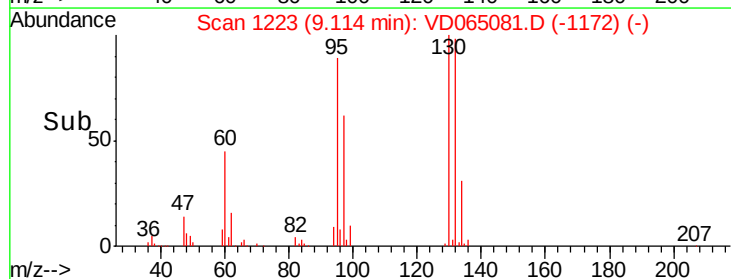
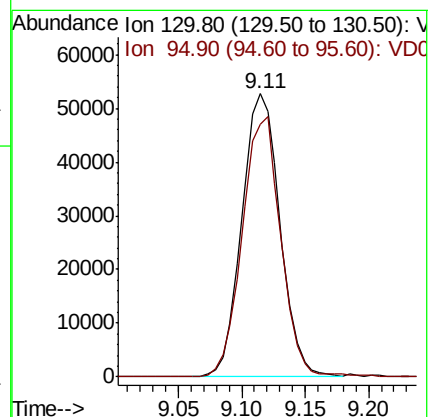
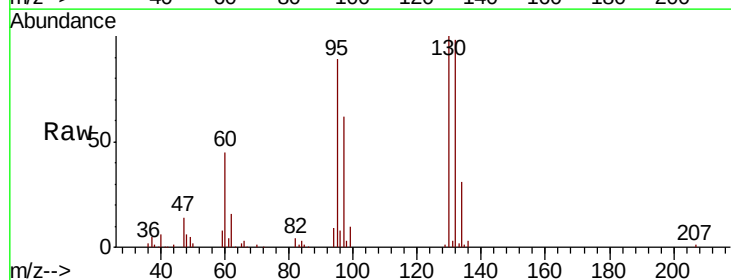
Acq: 06 Feb 2020 12:33

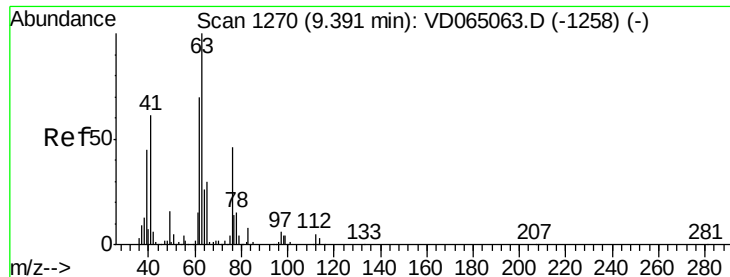
Tgt Ion: 130 Resp: 110041

Ion Ratio Lower Upper

130 100

95 89.3 0.0 185.0





#45

1,2-Dichloropropane

Concen: 22.408 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

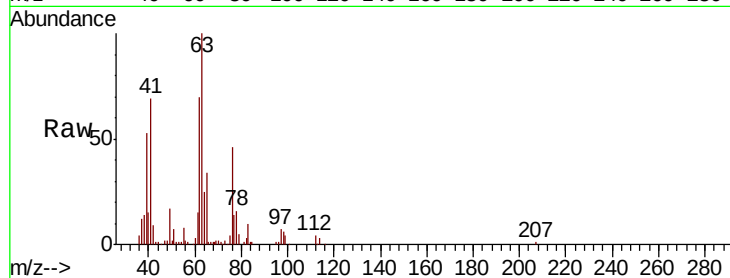
ClientSampled :

Tot Ion: 63 Resp: 95927

Ion Ratio Lower Upper

63 100

65 34.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

50000

40000

30000

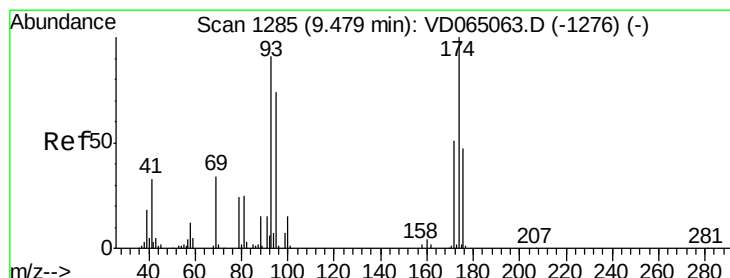
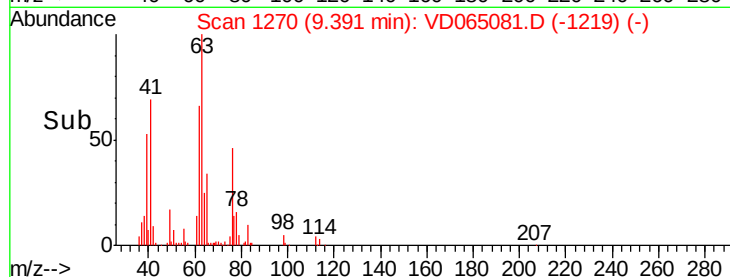
20000

10000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 23.078 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

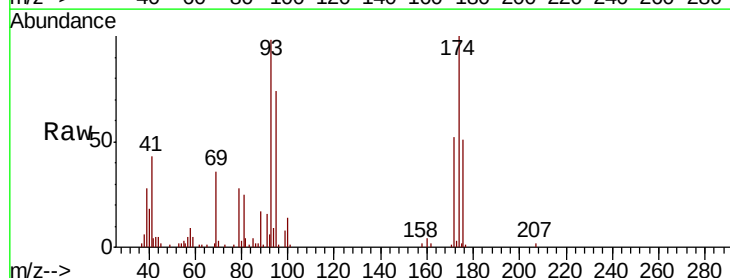
Tgt Ion: 93 Resp: 51914

Ion Ratio Lower Upper

93 100

95 80.7 66.5 99.7

174 108.2 89.8 134.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

30000

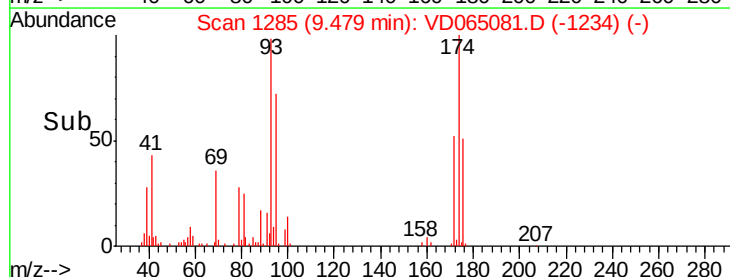
20000

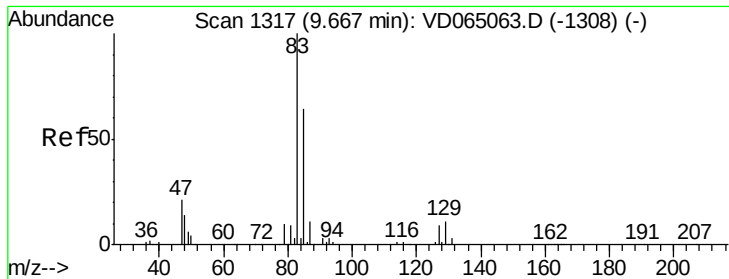
10000

0

Time-->

9.40 9.45 9.50 9.55 9.60





#47

Bromodichloromethane

Concen: 22.870 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

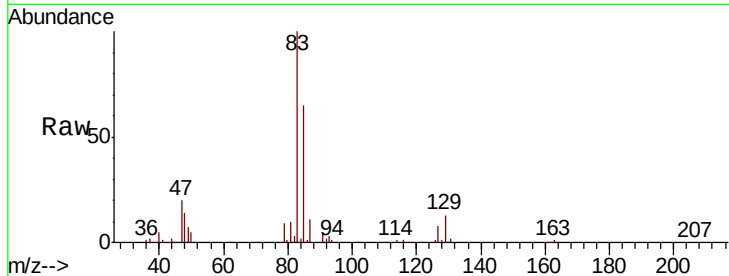
Tot Ion: 83 Resp: 135555

Ion Ratio Lower Upper

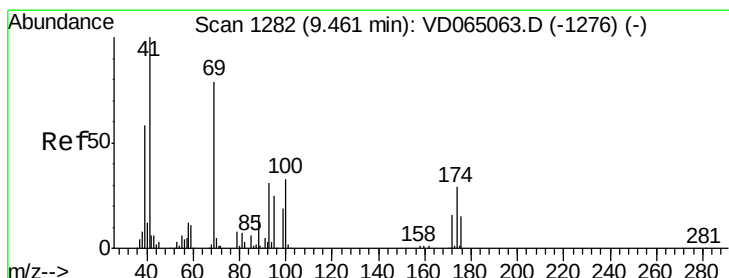
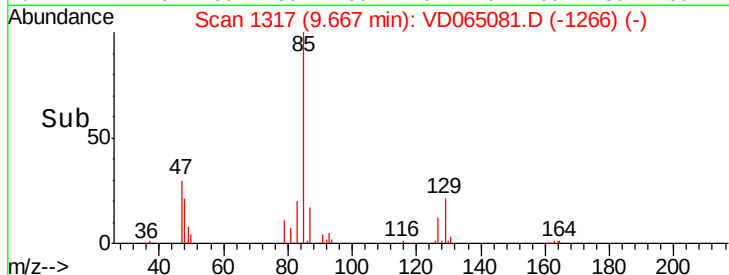
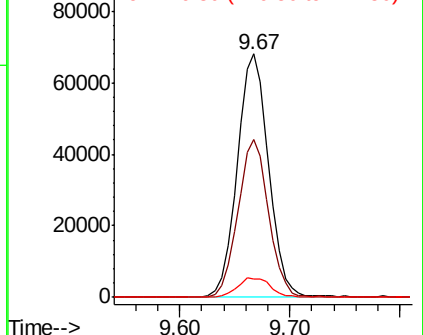
83 100

85 65.0 51.0 76.6

127 7.7 7.3 10.9



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



#48

Methyl methacrylate

Concen: 21.099 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

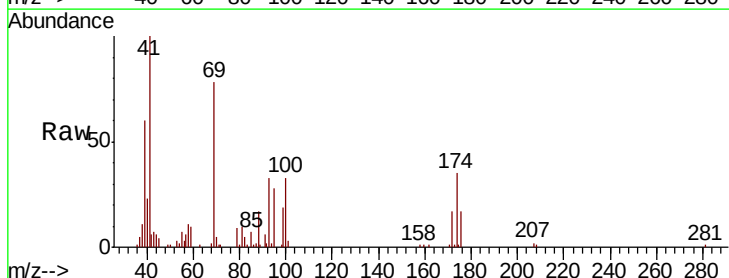
Tgt Ion: 41 Resp: 51302

Ion Ratio Lower Upper

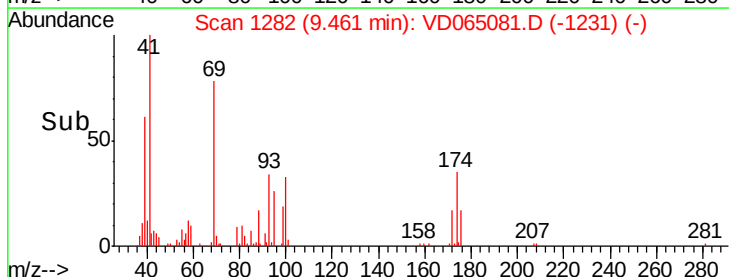
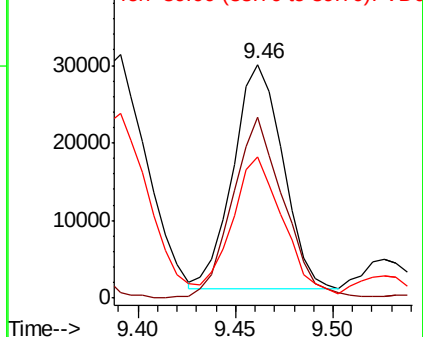
41 100

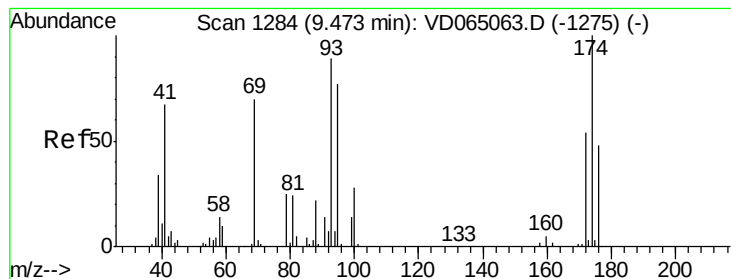
69 82.8 67.5 101.3

39 65.2 47.0 70.4



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





#49

1,4-Dioxane

Concen: 426.670 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

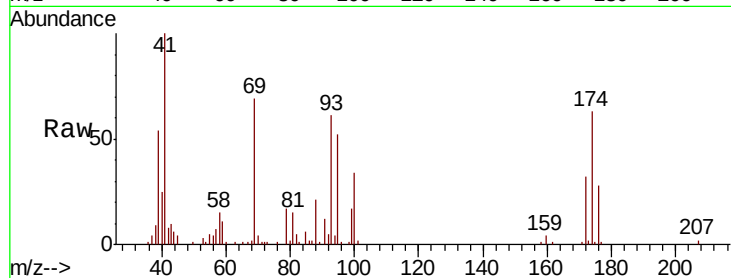
Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

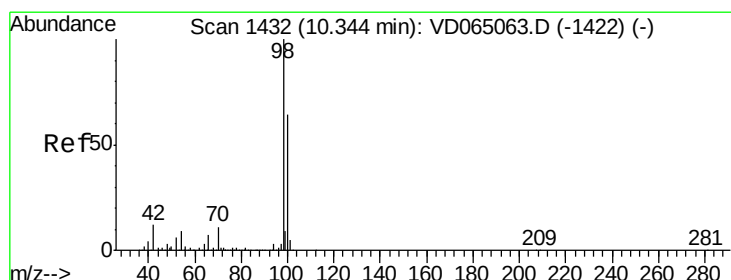
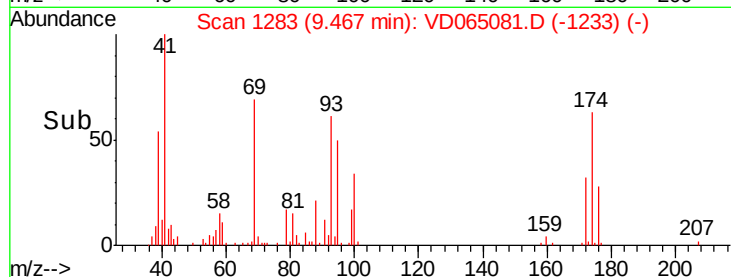
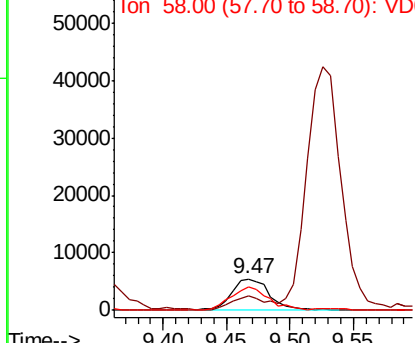
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 11368

Ion	Ratio	Lower	Upper
88	100		
43	44.4	27.7	41.5#
58	74.2	55.5	83.3



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



#50

Toluene-d8

Concen: 54.360 ug/l

RT: 10.34 min Scan# 1432

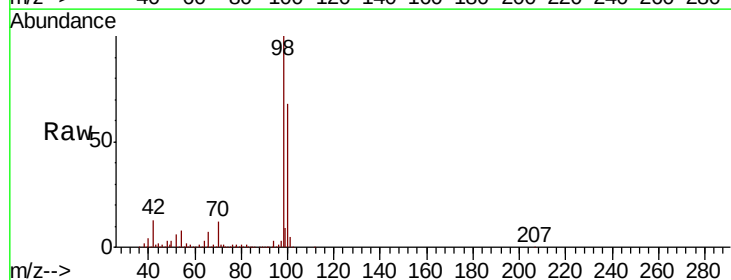
Delta R.T. -0.00 min

Lab File: VD065081.D

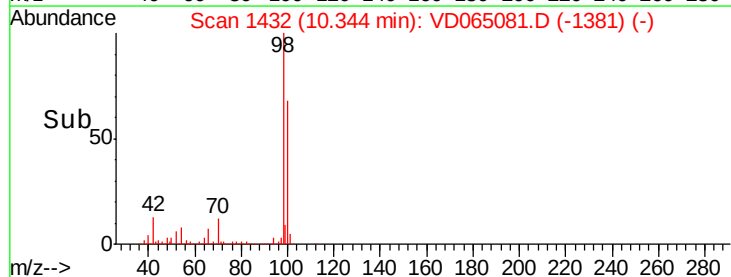
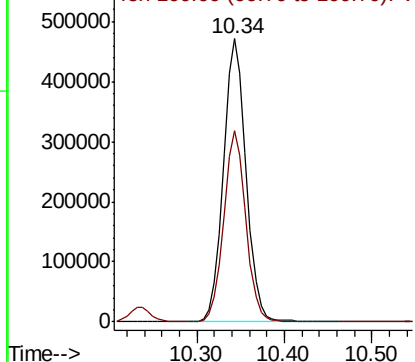
Acq: 06 Feb 2020 12:33

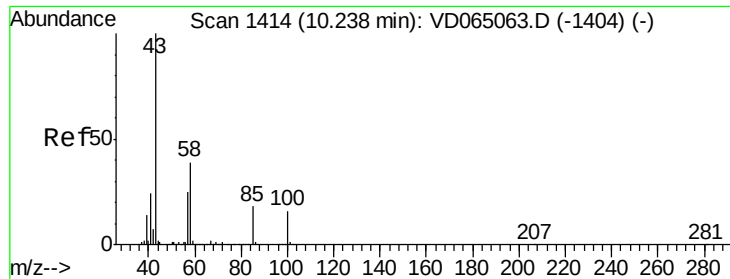
Tgt Ion: 98 Resp: 839420

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.1	78.1



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

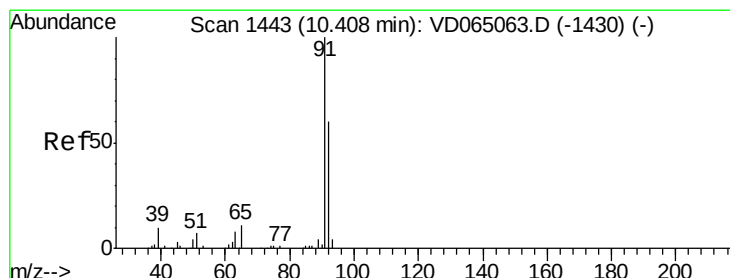
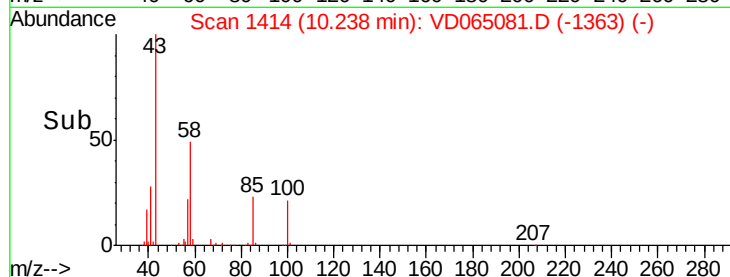
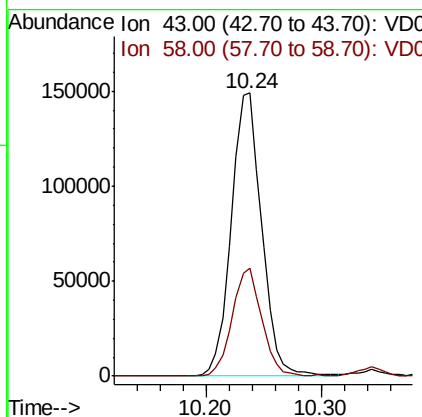
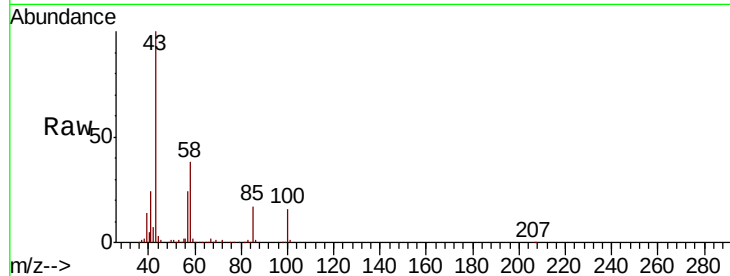




#51
 4-Methyl-2-Pentanone
 Concen: 109.518 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

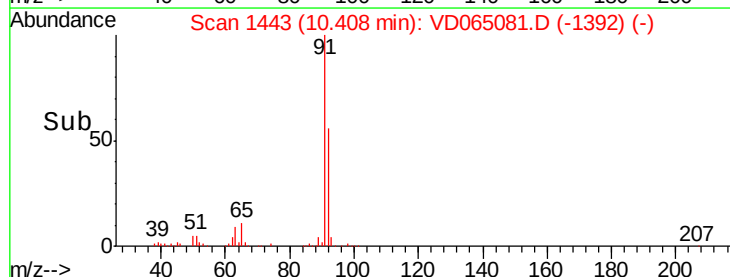
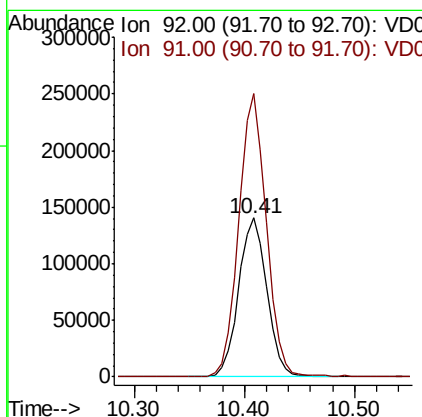
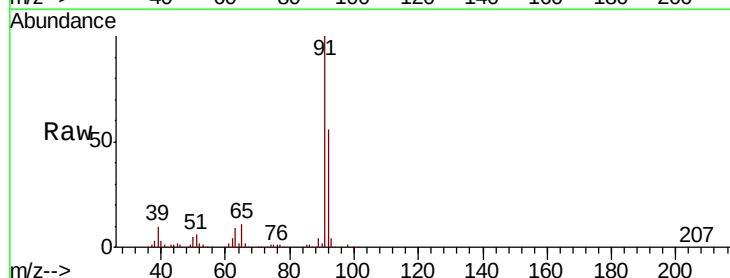
Instrument :
 MSVOA_D
 ClientSampleId :

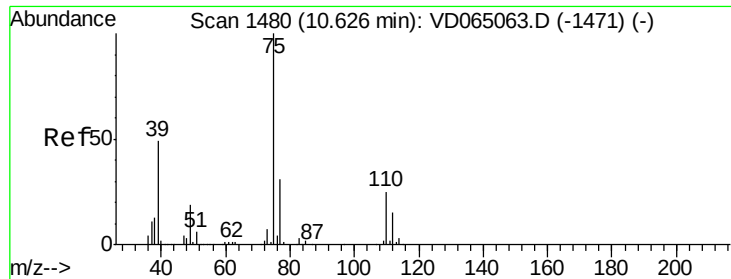
Tot Ion: 43 Resp: 272385
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.2 45.2



#52
 Toluene
 Concen: 22.222 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion: 92 Resp: 253228
 Ion Ratio Lower Upper
 92 100
 91 174.0 135.3 202.9





#53

t-1,3-Dichloropropene

Concen: 22.332 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

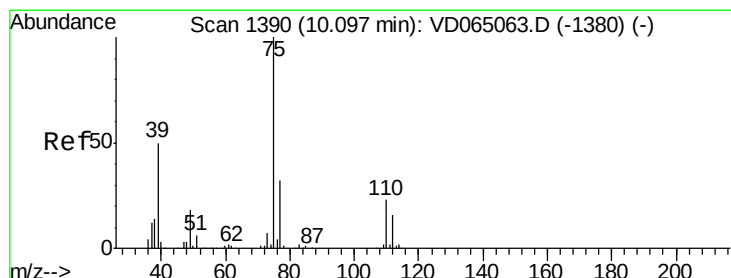
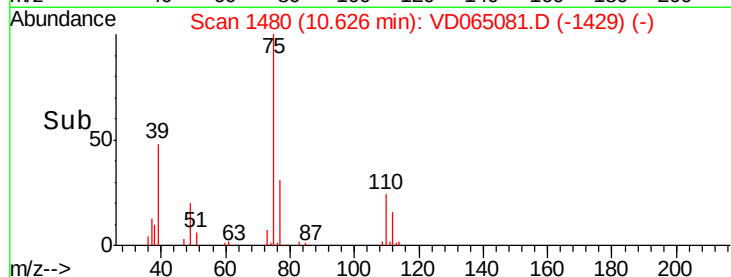
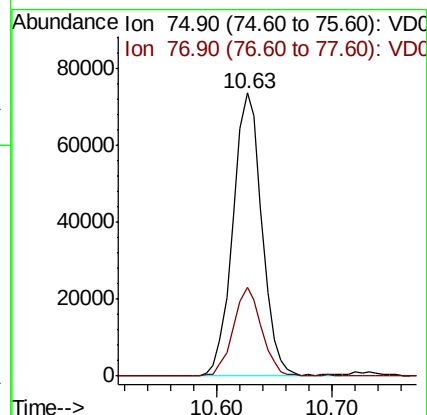
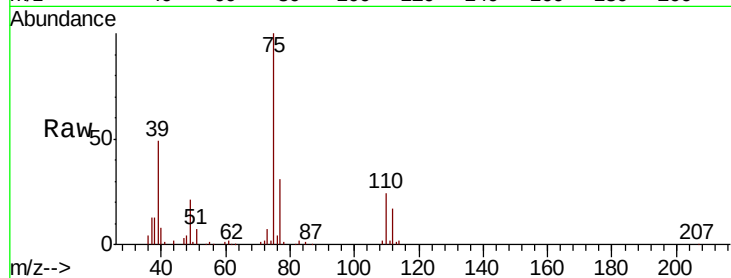
ClientSampled :

Tot Ion: 75 Resp: 128877

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 22.076 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

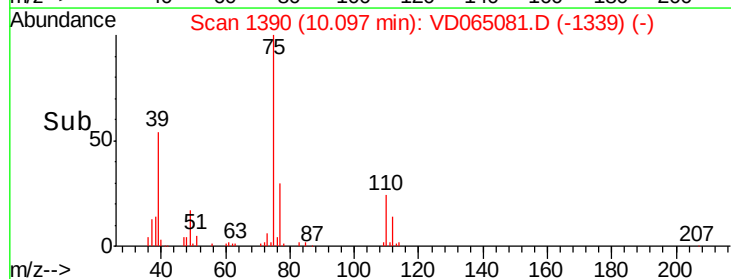
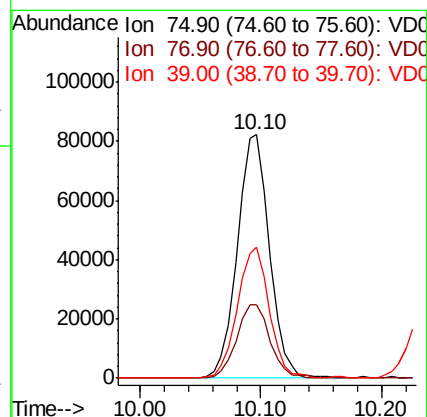
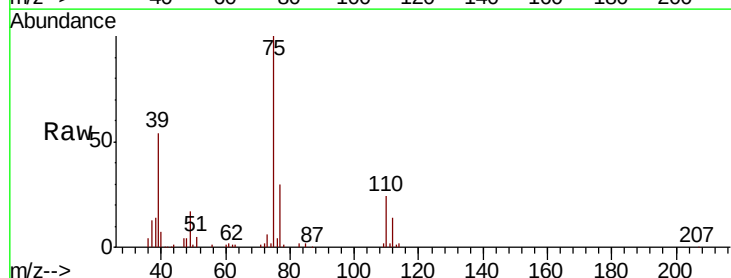
Tgt Ion: 75 Resp: 152372

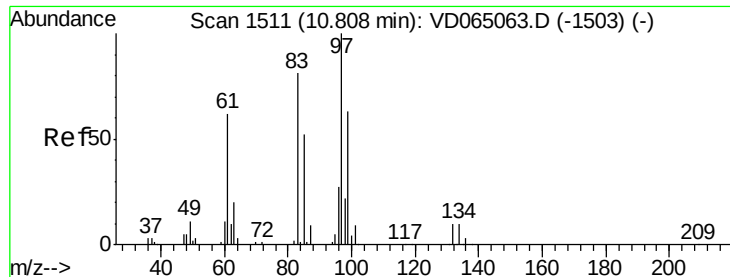
Ion Ratio Lower Upper

75 100

77 30.1 25.3 37.9

39 53.7 40.3 60.5

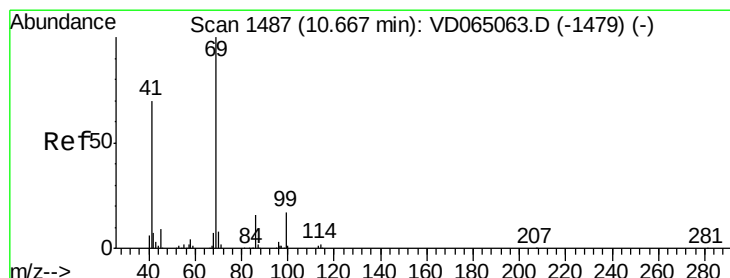
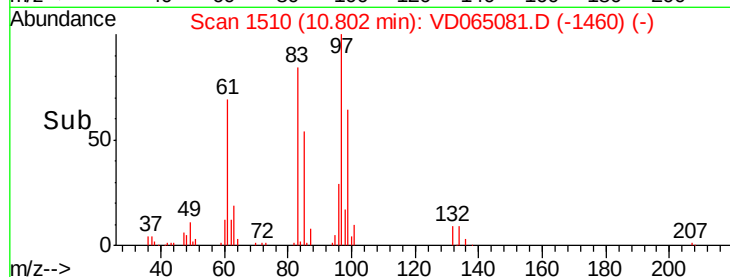
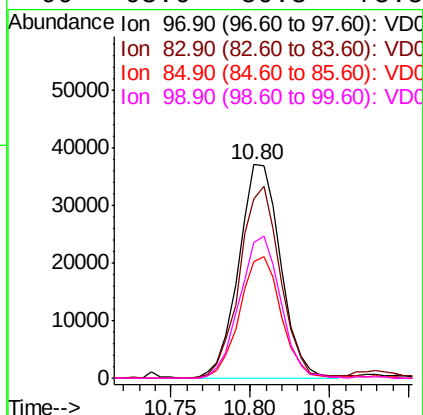
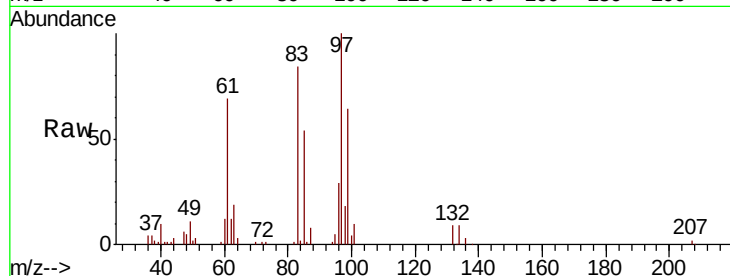




#55
 1,1,2-Trichloroethane
 Concen: 22.096 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

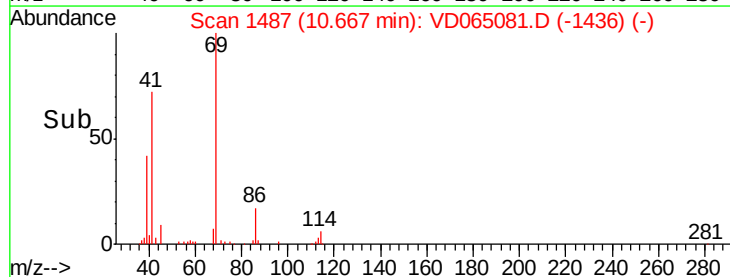
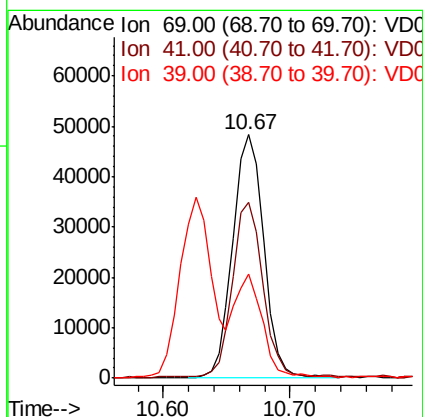
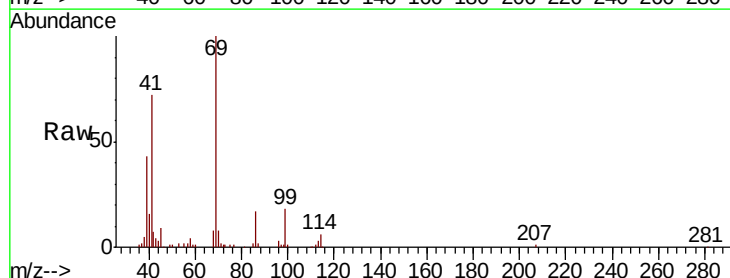
Instrument :
 MSVOA_D
 ClientSampled :

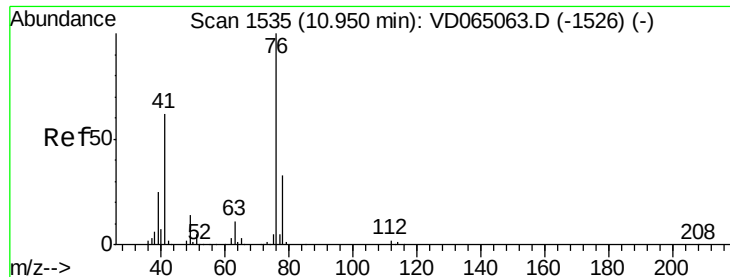
Tot Ion:	97	Resp:	68176
Ion	Ratio	Lower	Upper
97	100		
83	83.8	64.8	97.2
85	54.4	41.2	61.8
99	63.6	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 21.040 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion:	69	Resp:	82142
Ion	Ratio	Lower	Upper
69	100		
41	72.1	55.9	83.9
39	37.5	29.4	44.0





#57

1,3-Dichloropropane

Concen: 22.212 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

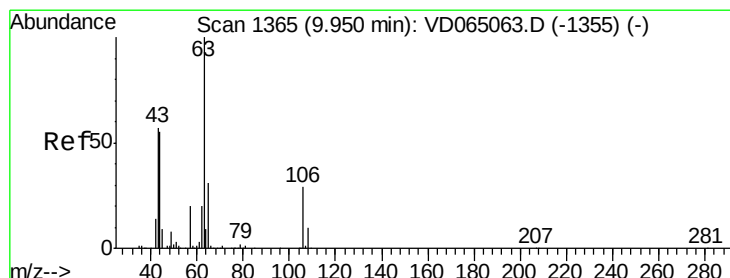
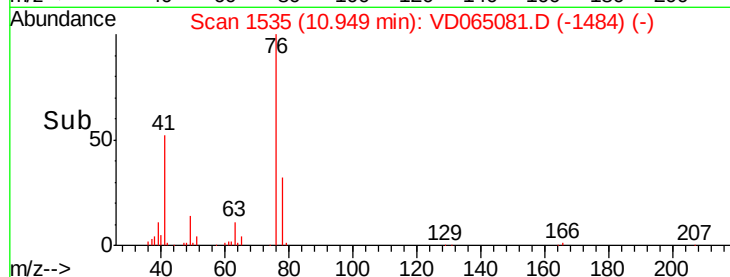
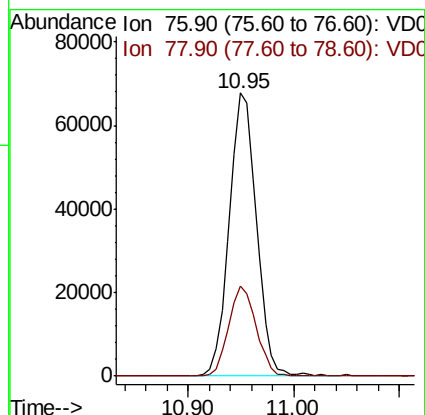
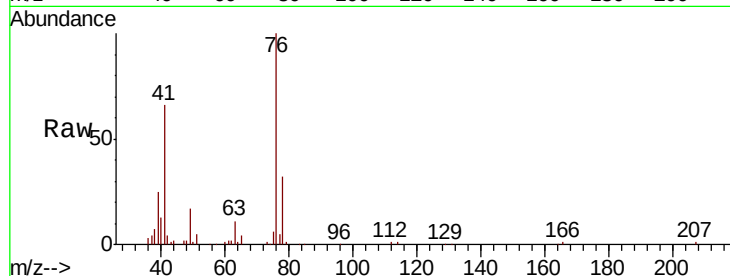
ClientSampleId :

Tot Ion: 76 Resp: 120514

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 87.837 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065081.D

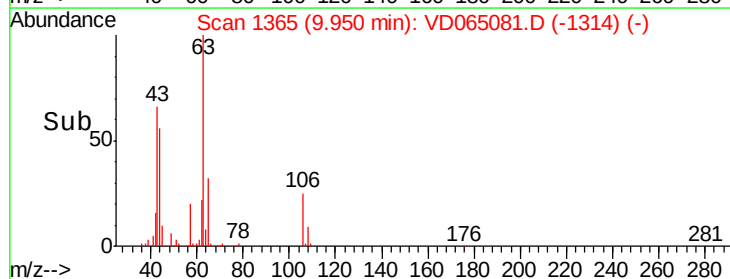
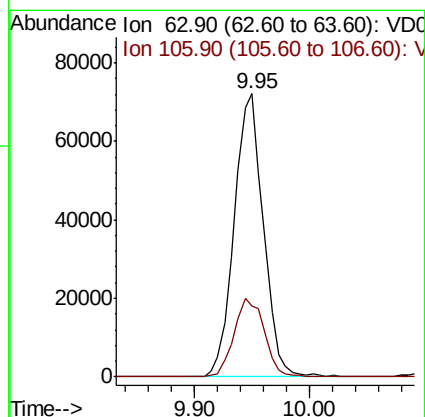
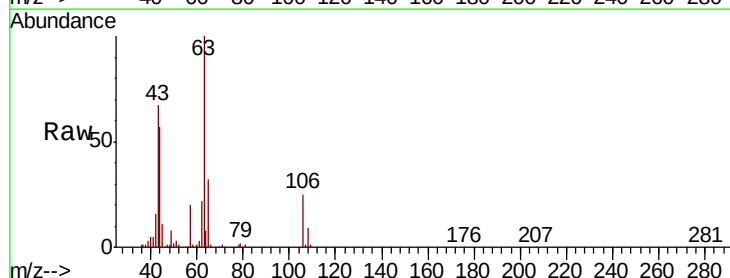
Acq: 06 Feb 2020 12:33

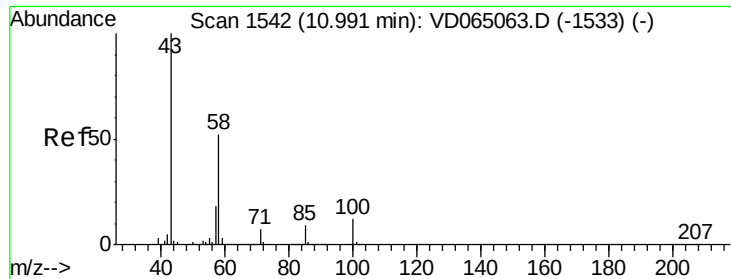
Tgt Ion: 63 Resp: 126347

Ion Ratio Lower Upper

63 100

106 28.6 23.3 34.9

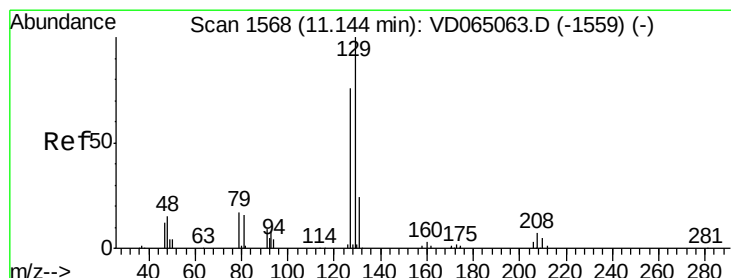
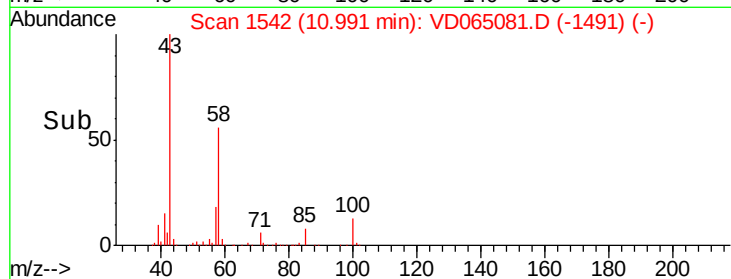
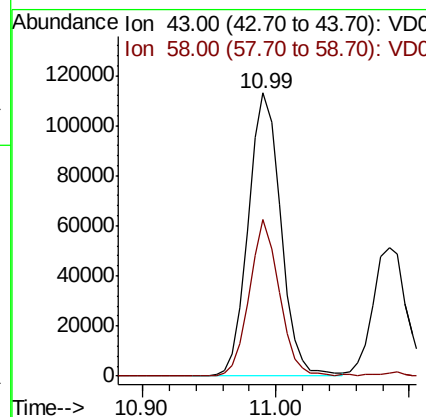
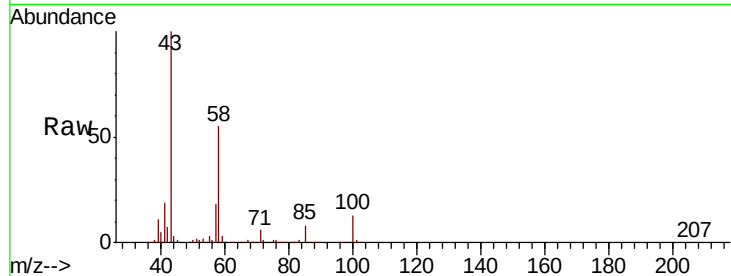




#59
2-Hexanone
Concen: 107.749 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

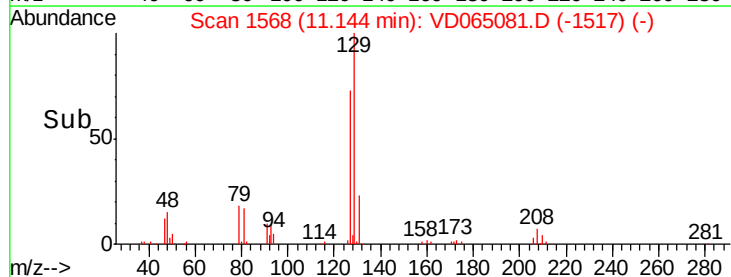
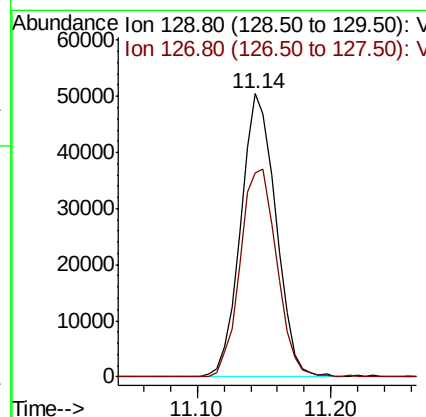
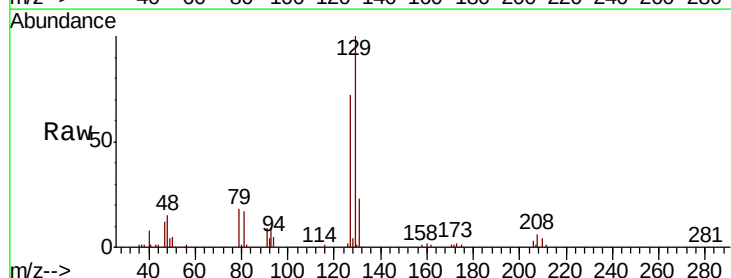
Instrument :
MSVOA_D
ClientSampleId :

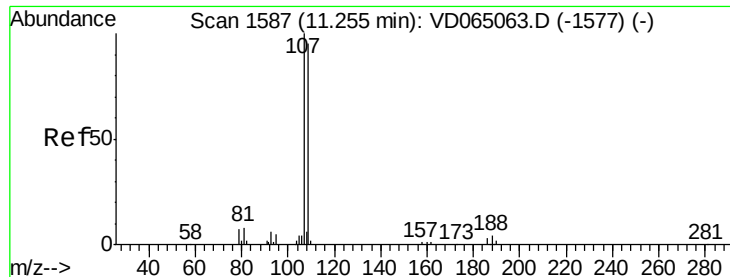
Tot Ion: 43 Resp: 189820
Ion Ratio Lower Upper
43 100
58 50.8 26.2 78.6



#60
Dibromochloromethane
Concen: 22.990 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 129 Resp: 91881
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 22.540 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

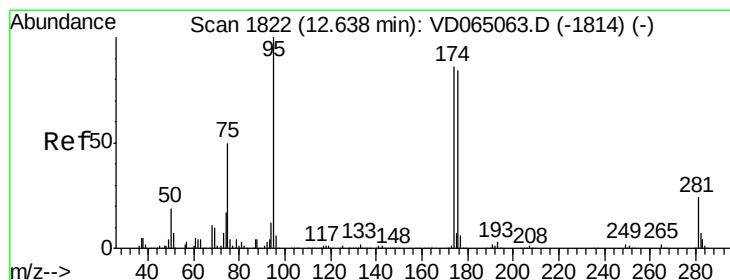
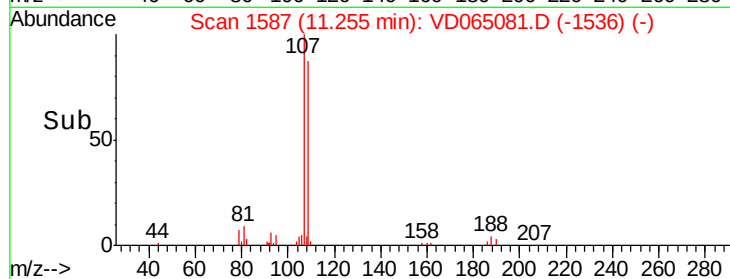
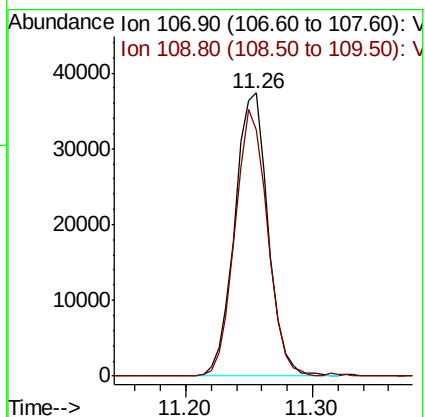
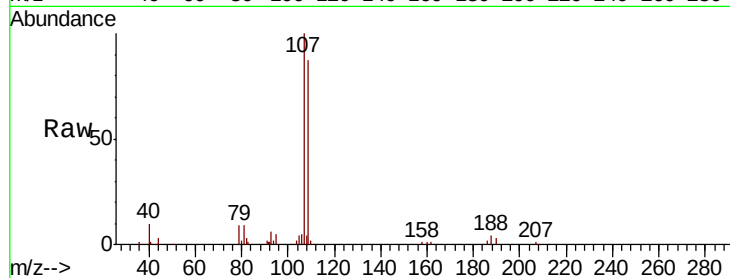
ClientSampleId :

Tot Ion: 107 Resp: 67955

Ion Ratio Lower Upper

107 100

109 91.9 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 53.539 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

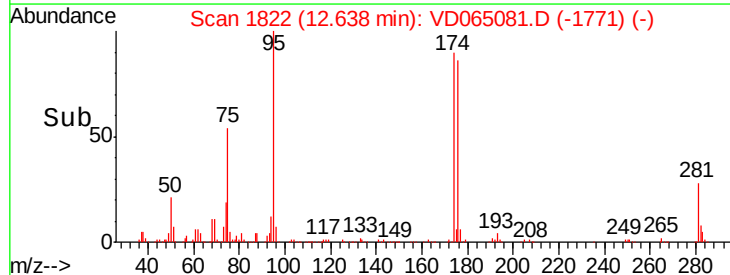
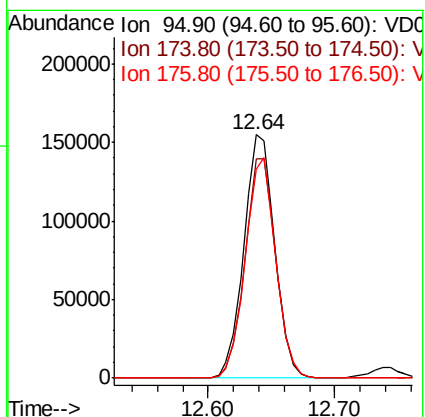
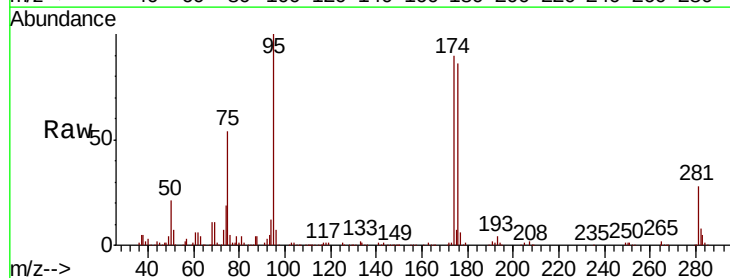
Tgt Ion: 95 Resp: 261965

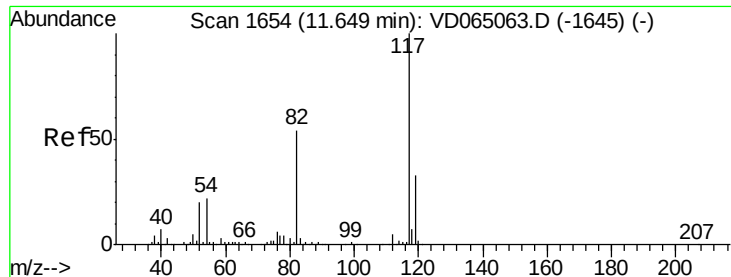
Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.0

176 88.9 0.0 173.2

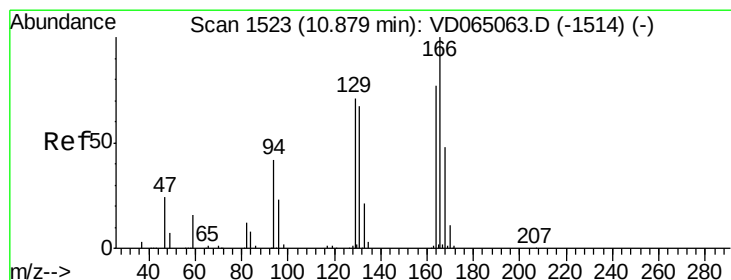
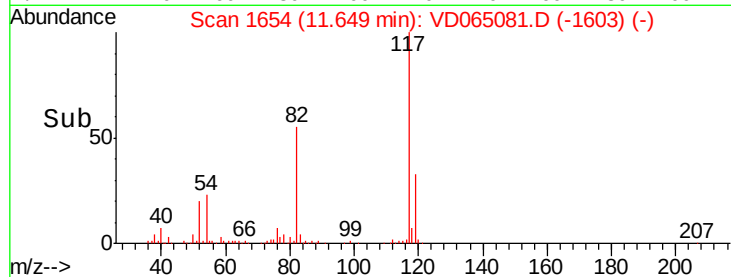
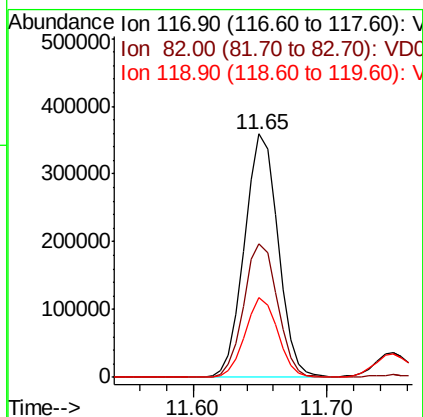
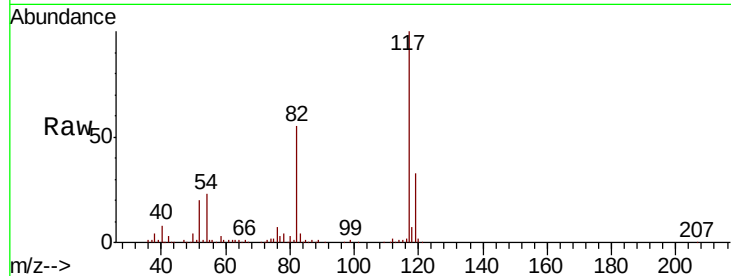




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

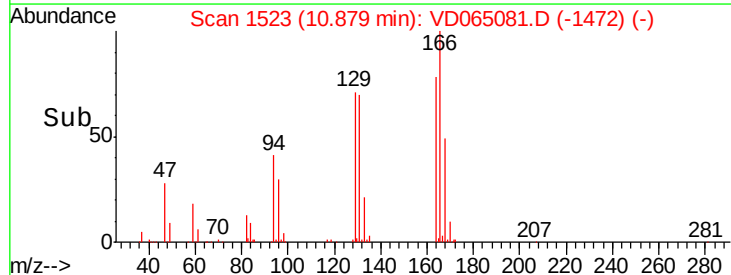
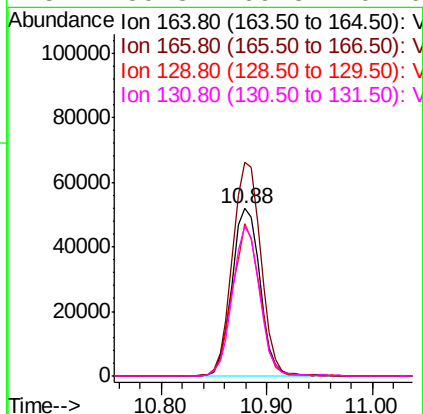
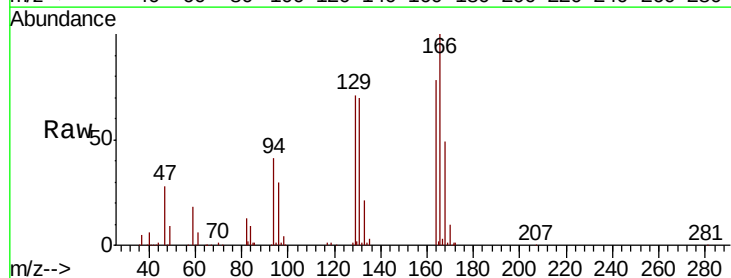
Instrument :
MSVOA_D
ClientSampleID :

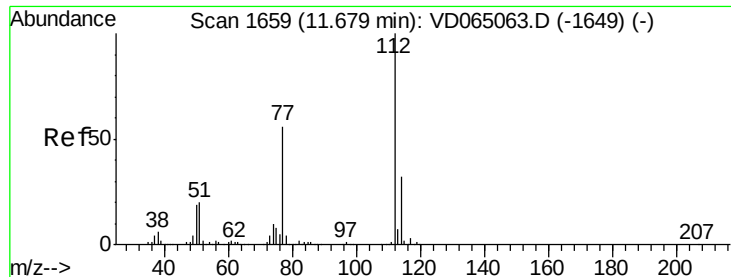
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.1	64.7
119	32.6	26.0	39.0



#64
Tetrachloroethene
Concen: 21.130 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.5	155.3
129	90.8	73.3	109.9
131	89.3	69.8	104.6

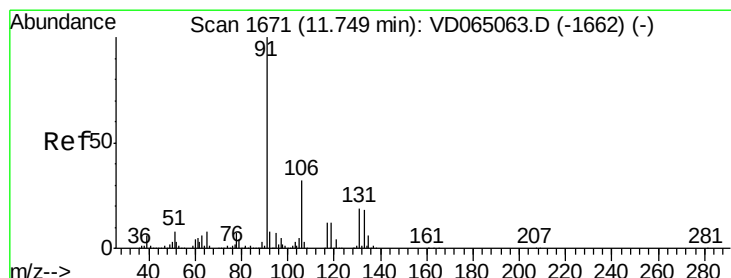
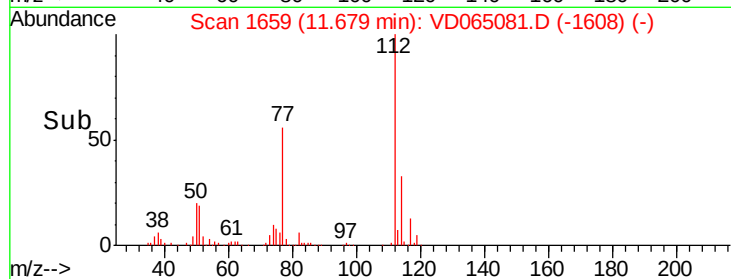
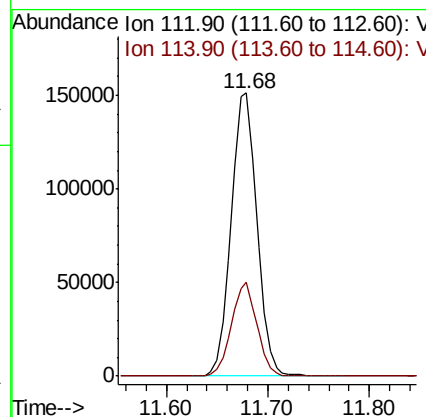
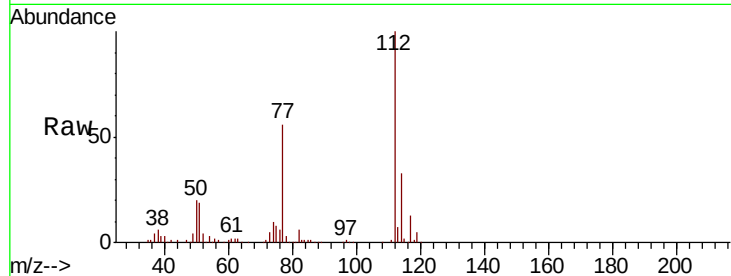




#65
Chlorobenzene
Concen: 22.077 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

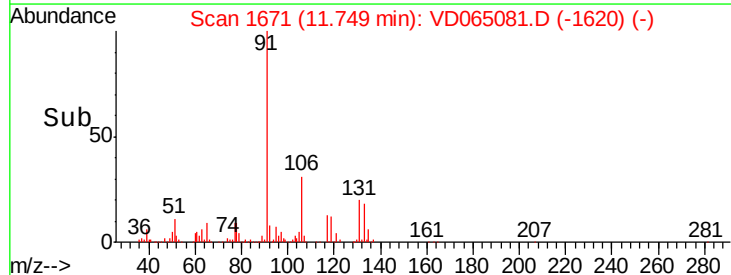
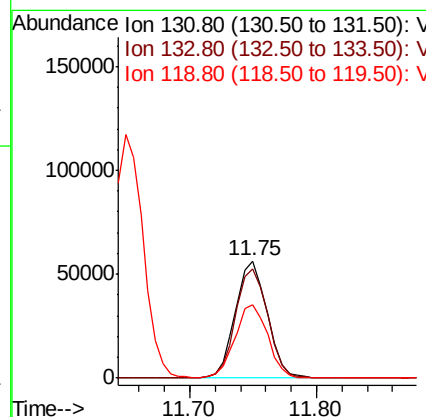
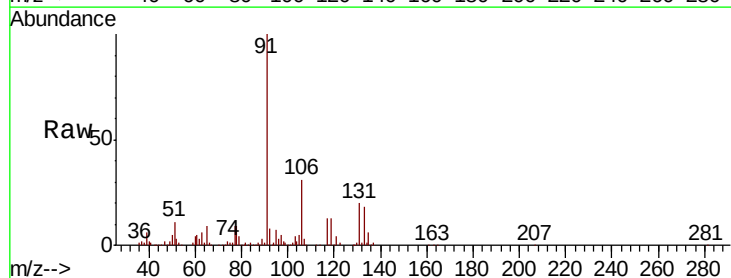
Instrument :
MSVOA_D
ClientSampleId :

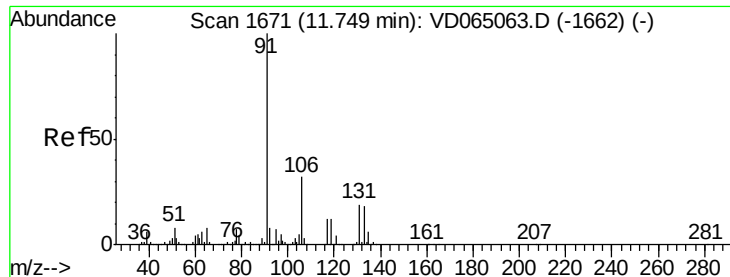
Tot Ion:112 Resp: 267146
Ion Ratio Lower Upper
112 100
114 33.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.056 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion:131 Resp: 98506
Ion Ratio Lower Upper
131 100
133 94.6 47.7 143.1
119 64.7 31.3 93.8

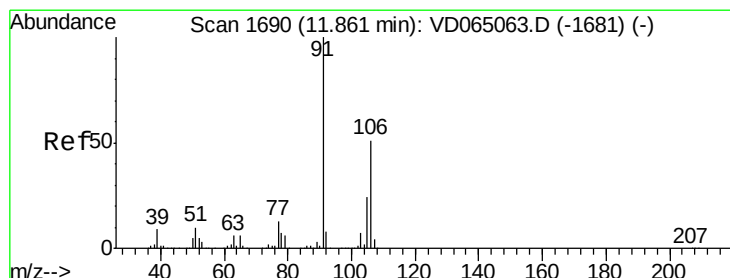
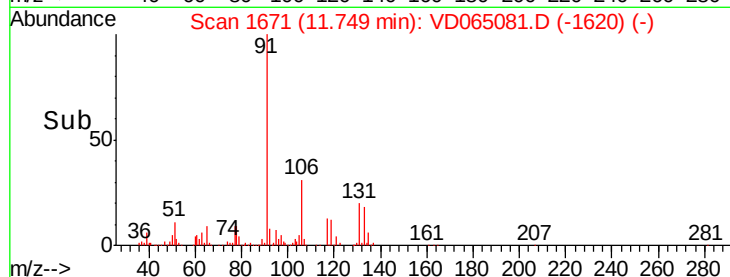
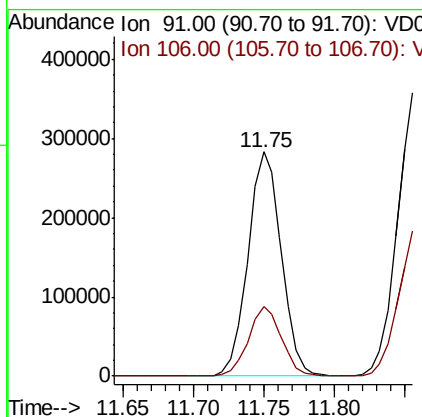
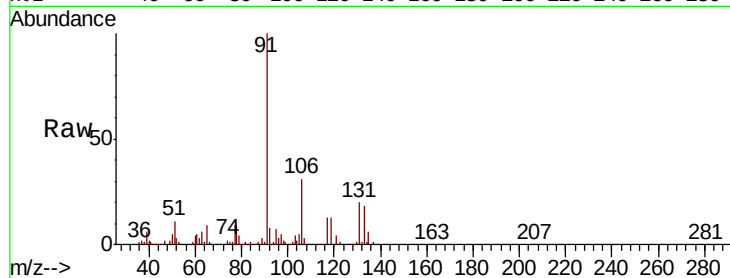




#67
Ethyl Benzene
Concen: 21.320 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

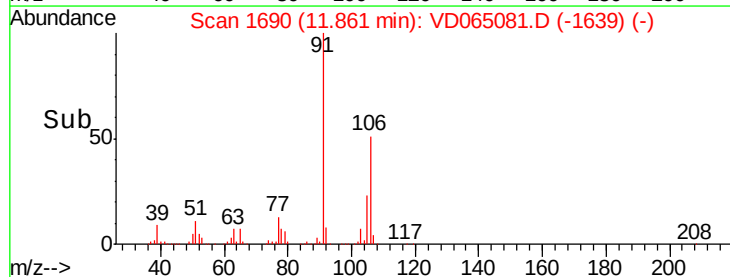
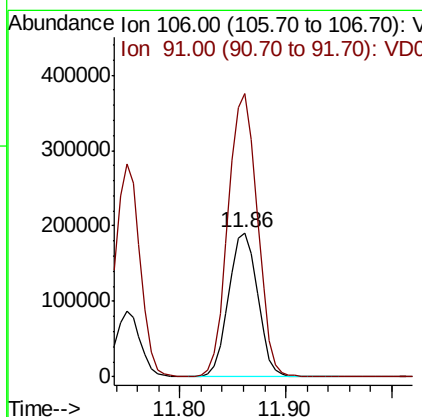
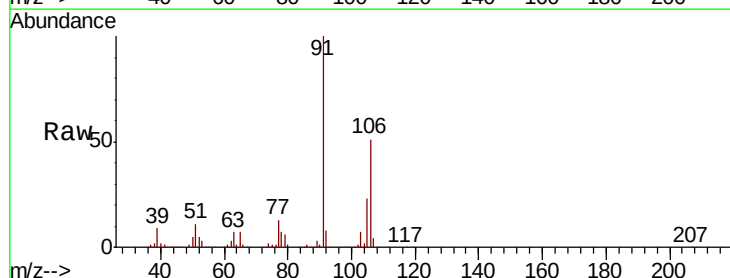
Instrument :
MSVOA_D
ClientSampled :

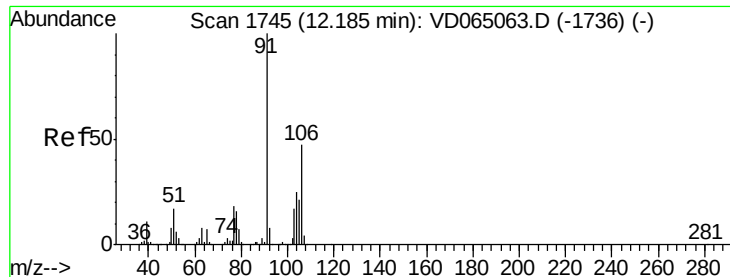
Tot Ion: 91 Resp: 468713
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.2



#68
m/p-Xylenes
Concen: 43.261 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 106 Resp: 362997
Ion Ratio Lower Upper
106 100
91 198.9 158.9 238.3

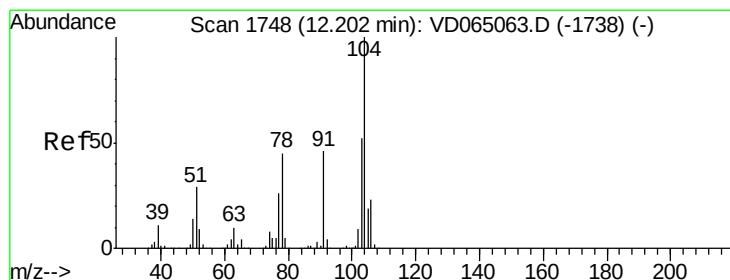
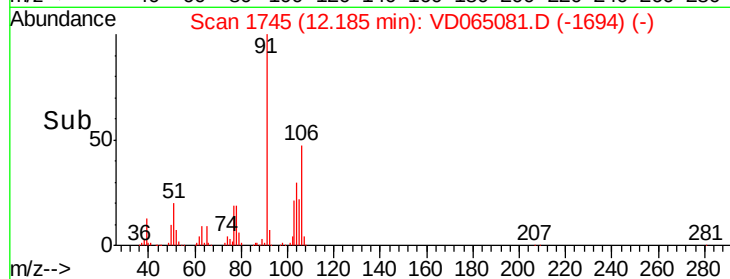
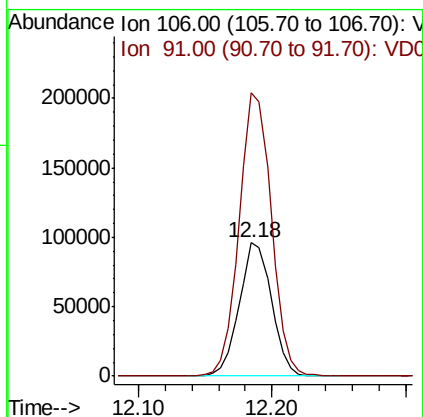
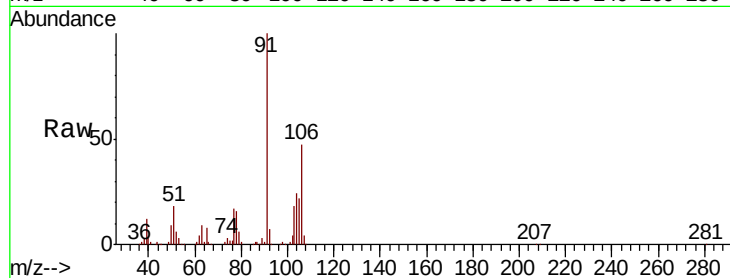




#69
o-Xylene
Concen: 21.230 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

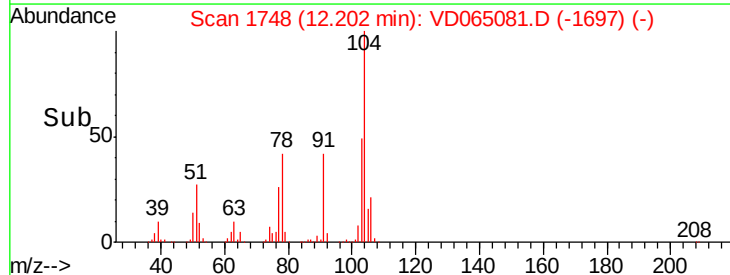
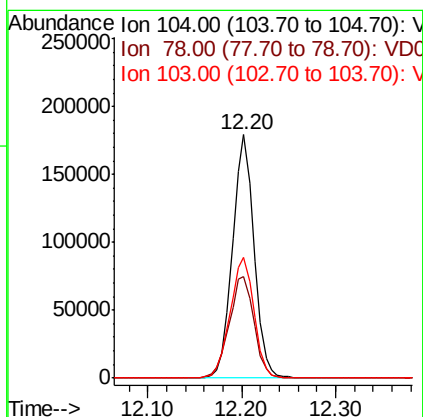
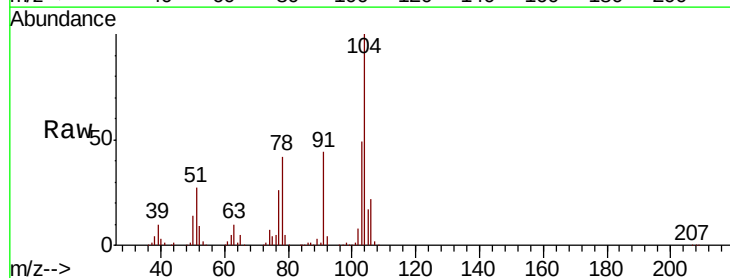
Instrument :
MSVOA_D
ClientSampled :

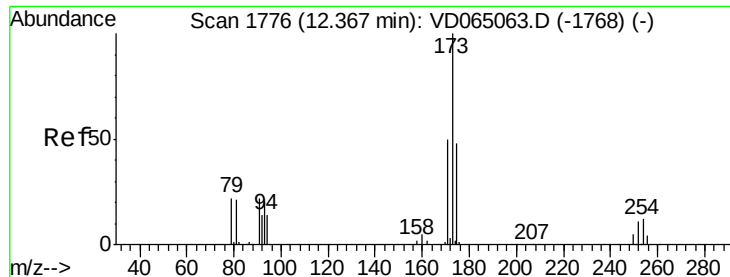
Tot Ion:106 Resp: 160415
Ion Ratio Lower Upper
106 100
91 212.3 104.7 313.9



#70
Styrene
Concen: 21.648 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion:104 Resp: 284301
Ion Ratio Lower Upper
104 100
78 48.4 38.5 57.7
103 55.0 43.8 65.8





#71

Bromoform

Concen: 22.097 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

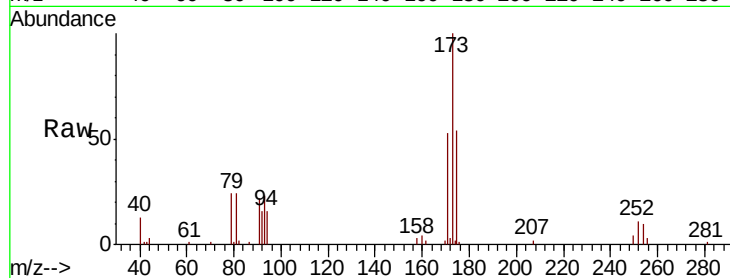
Tot Ion:173 Resp: 53118

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.8

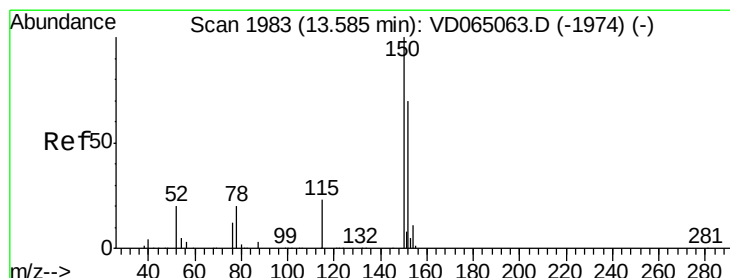
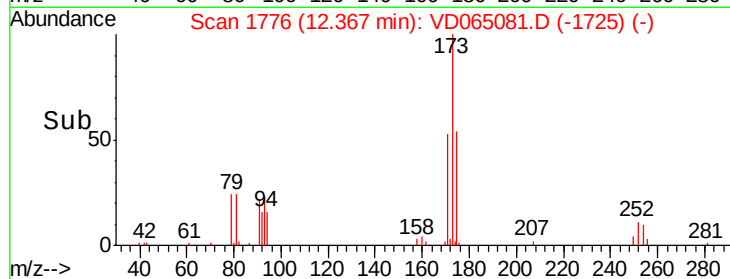
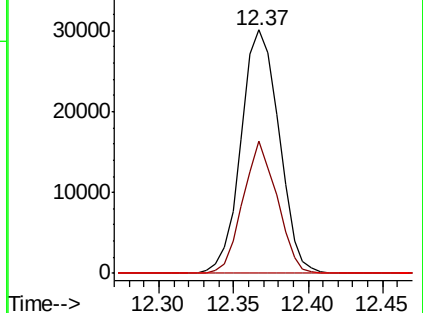
254 0.0 0.1 0.1#



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: VD065081.D

Acq: 06 Feb 2020 12:33

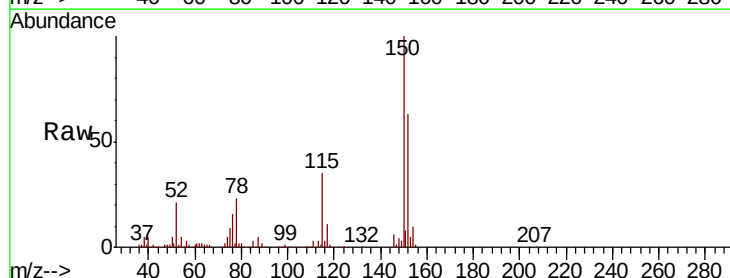
Tgt Ion:152 Resp: 304231

Ion Ratio Lower Upper

152 100

115 55.6 27.5 82.4

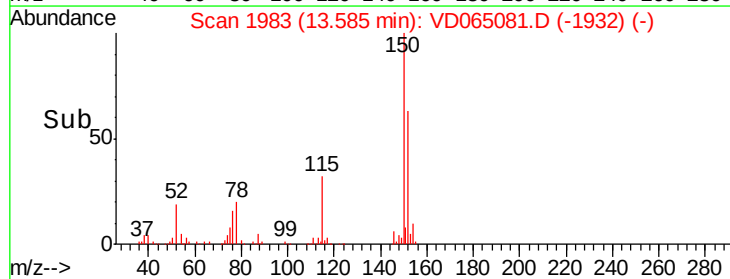
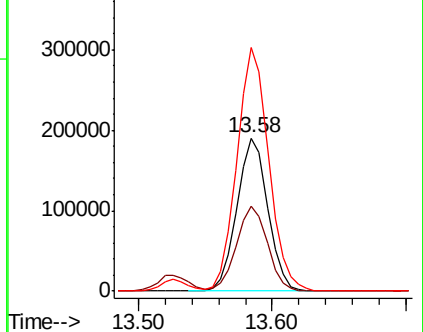
150 164.1 0.0 343.2

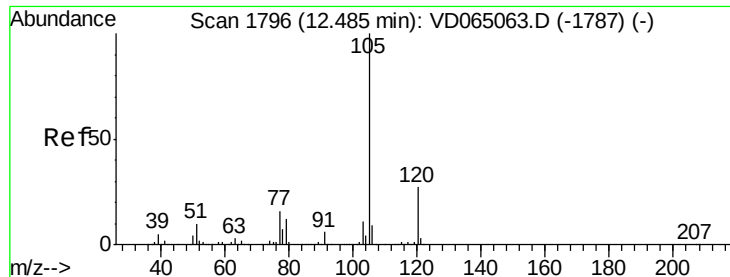


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.760 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

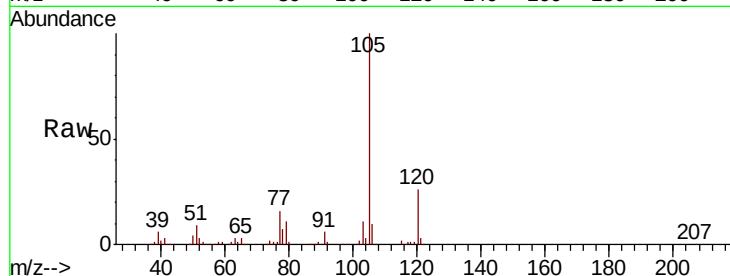
ClientSampled :

Tot Ion:105 Resp: 433503

Ion Ratio Lower Upper

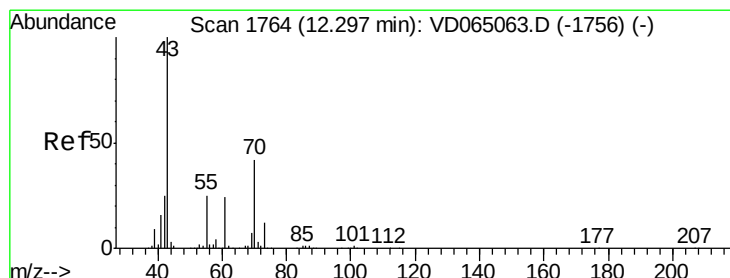
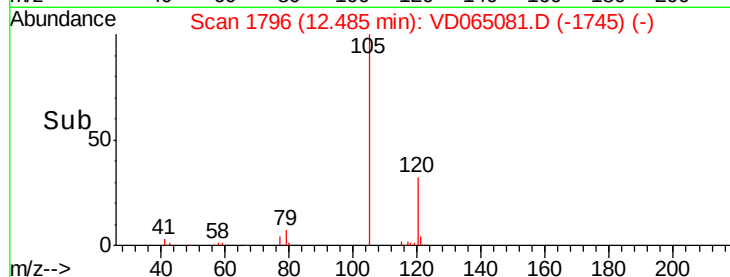
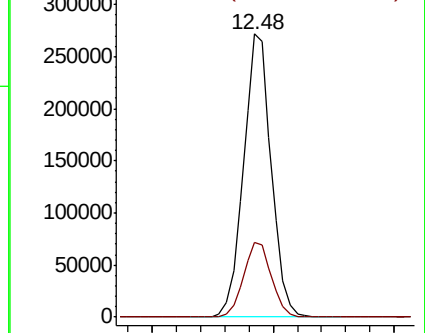
105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.634 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Tgt Ion: 43 Resp: 93651

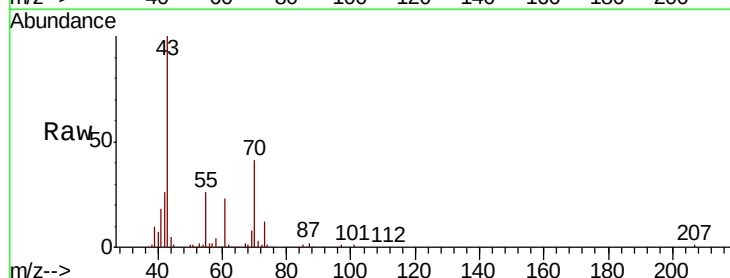
Ion Ratio Lower Upper

43 100

70 40.3 33.5 50.3

55 26.7 19.4 29.2

61 23.6 18.6 28.0

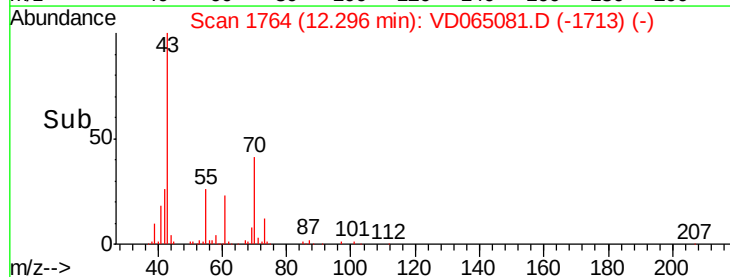
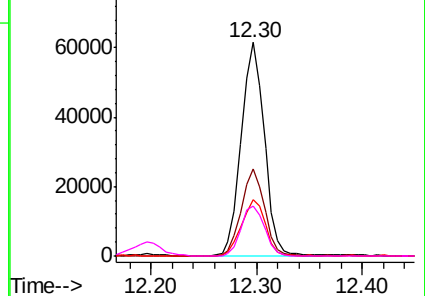


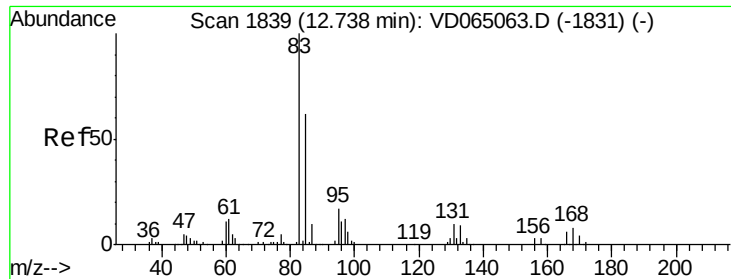
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.423 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

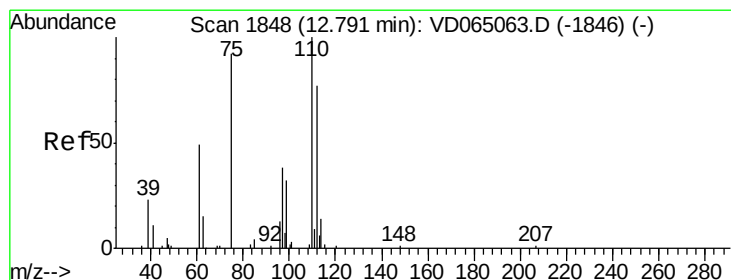
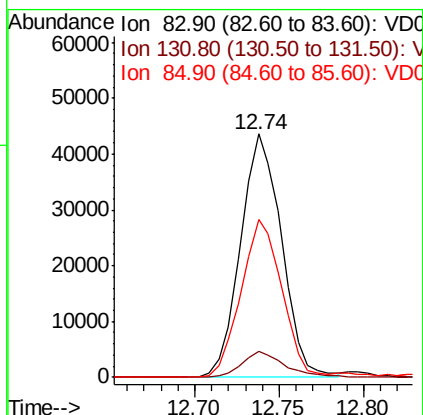
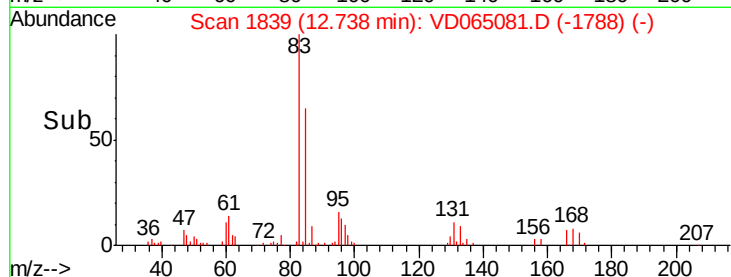
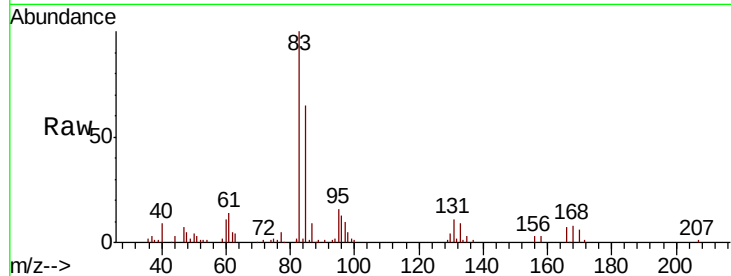
Tot Ion: 83 Resp: 73692

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

85 64.7 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 41.876 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065081.D

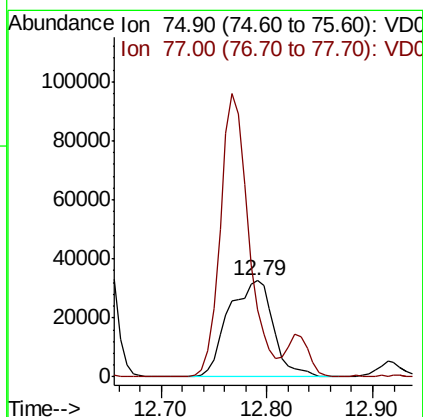
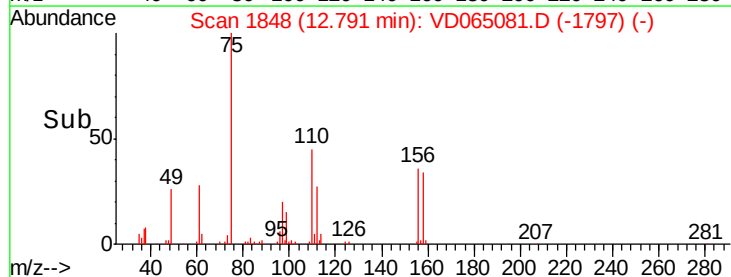
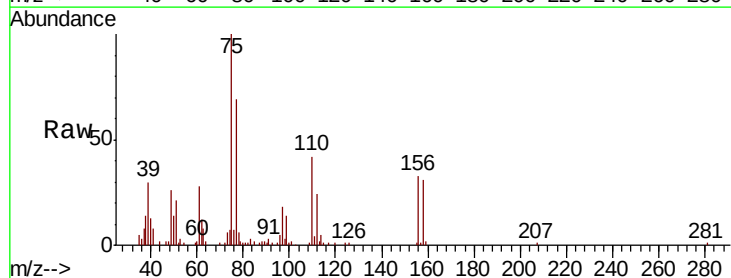
Acq: 06 Feb 2020 12:33

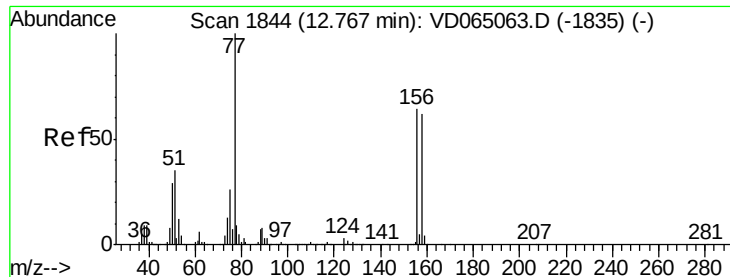
Tgt Ion: 75 Resp: 96455

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.423 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampled :

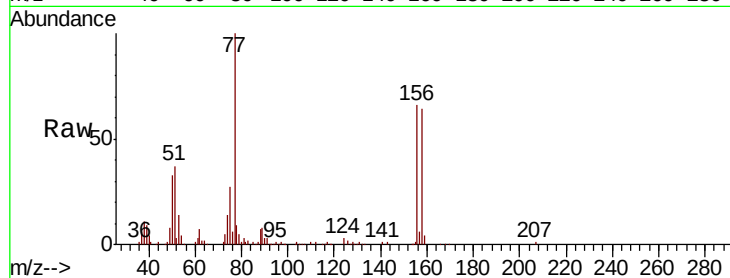
Tot Ion:156 Resp: 107780

Ion Ratio Lower Upper

156 100

77 166.6 85.6 256.8

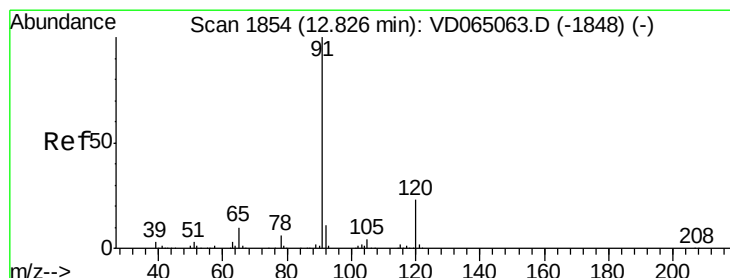
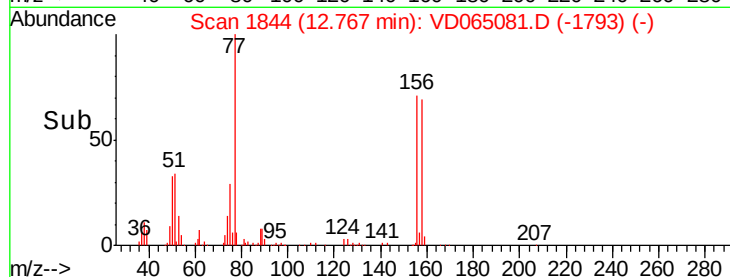
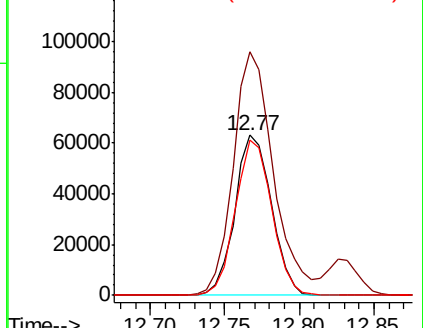
158 96.2 47.4 142.2



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: 21.622 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065081.D

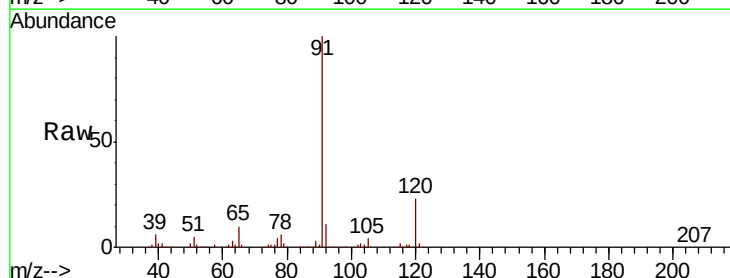
Acq: 06 Feb 2020 12:33

Tgt Ion: 91 Resp: 528738

Ion Ratio Lower Upper

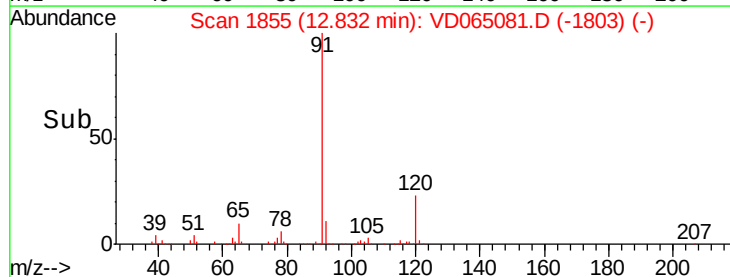
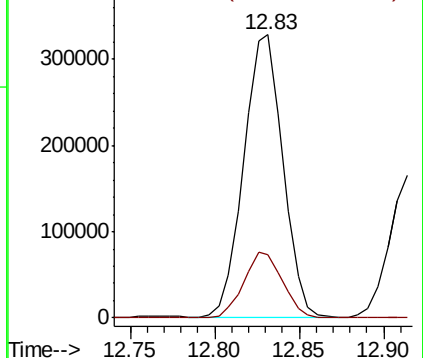
91 100

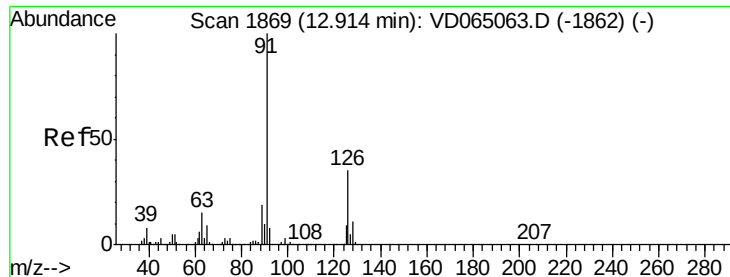
120 23.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.131 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

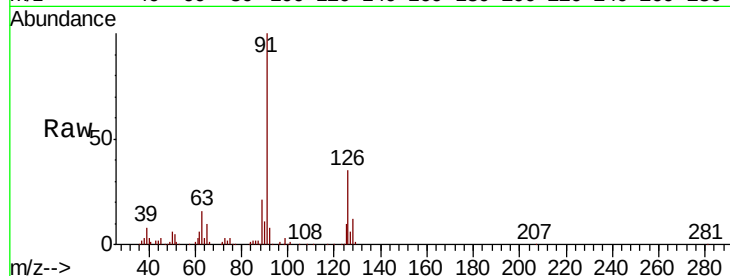
ClientSampleId :

Tot Ion: 91 Resp: 288039

Ion Ratio Lower Upper

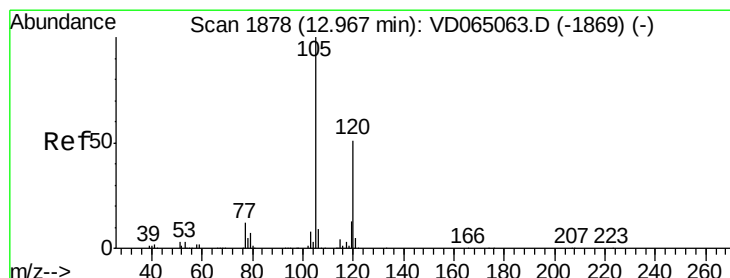
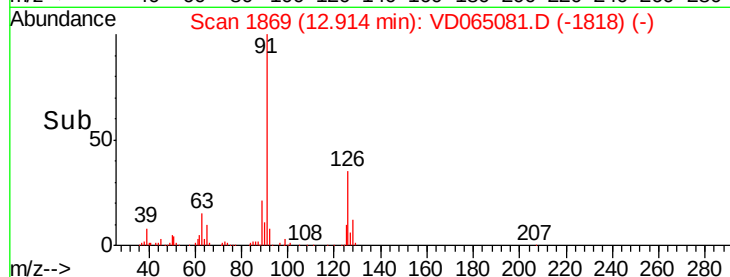
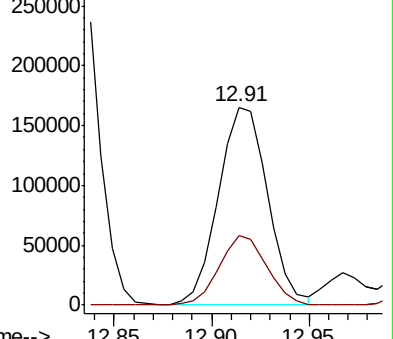
91 100

126 34.1 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VD065081.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD065081.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.483 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065081.D

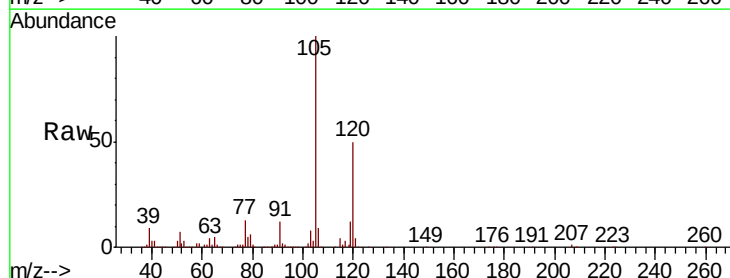
Acq: 06 Feb 2020 12:33

Tgt Ion:105 Resp: 366993

Ion Ratio Lower Upper

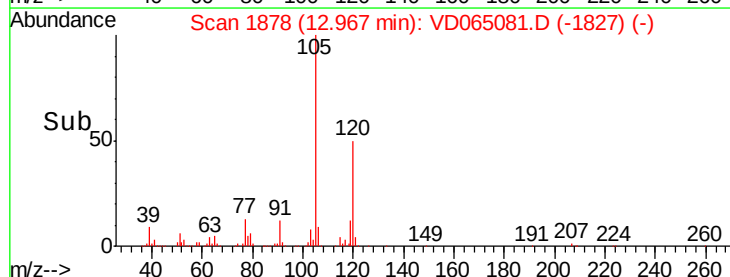
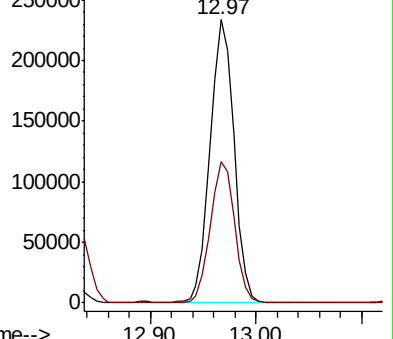
105 100

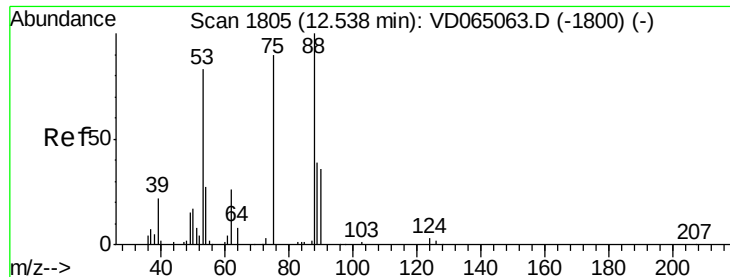
120 50.4 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065081.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD065081.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.158 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

ClientSampleId :

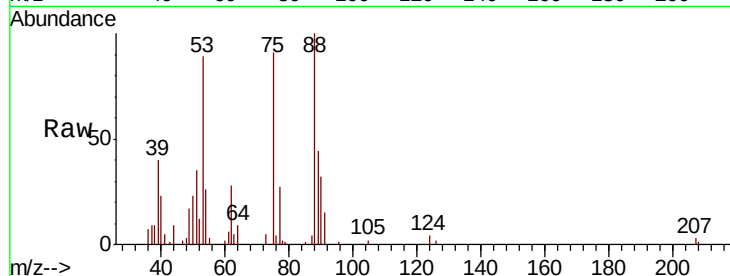
Tot Ion: 75 Resp: 25520

Ion Ratio Lower Upper

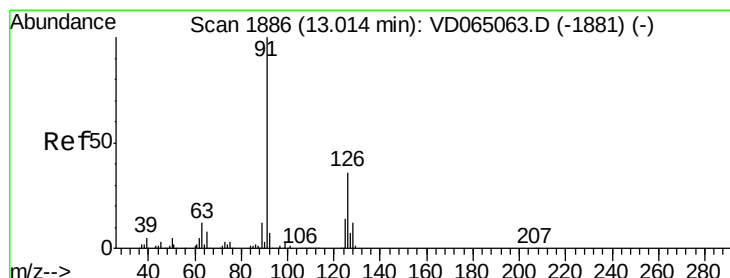
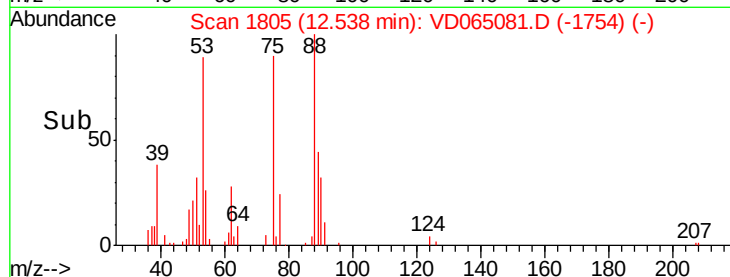
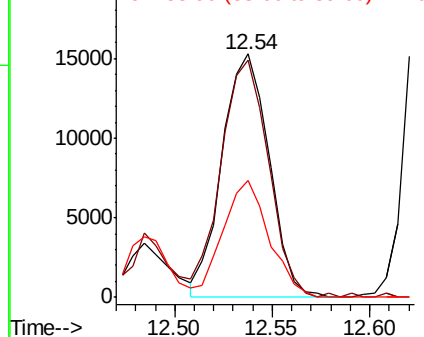
75 100

53 98.0 78.5 117.7

89 47.2 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: 21.376 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065081.D

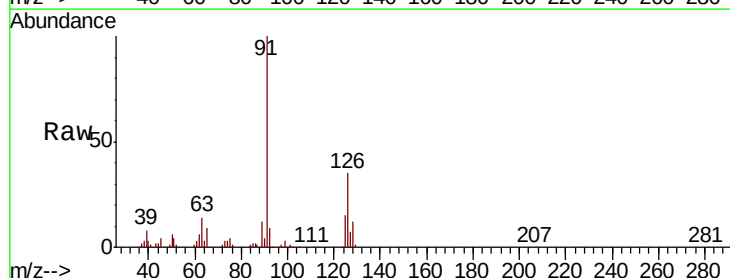
Acq: 06 Feb 2020 12:33

Tgt Ion: 91 Resp: 306018

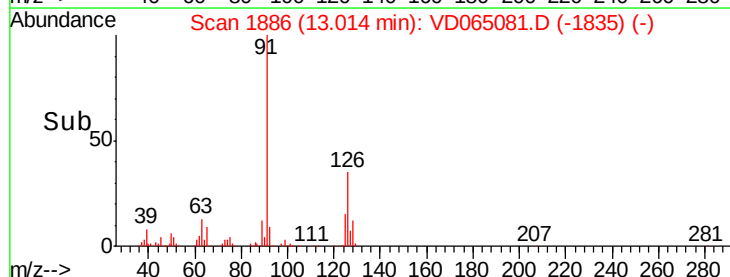
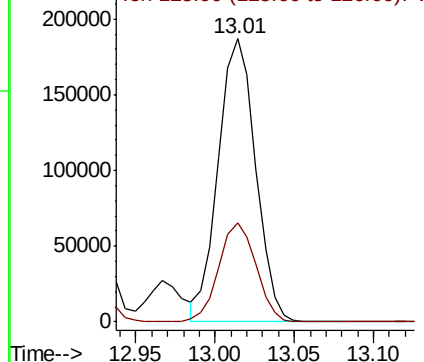
Ion Ratio Lower Upper

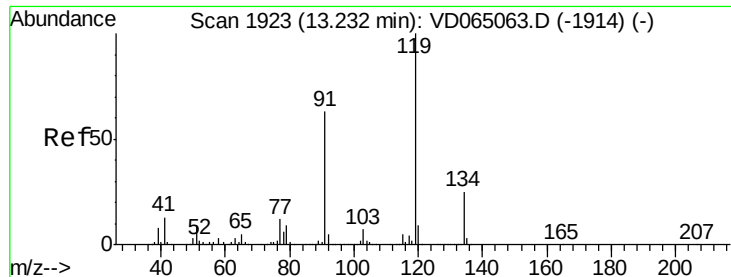
91 100

126 34.8 17.5 52.5



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

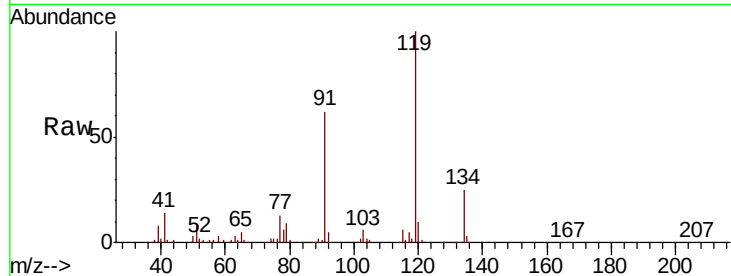




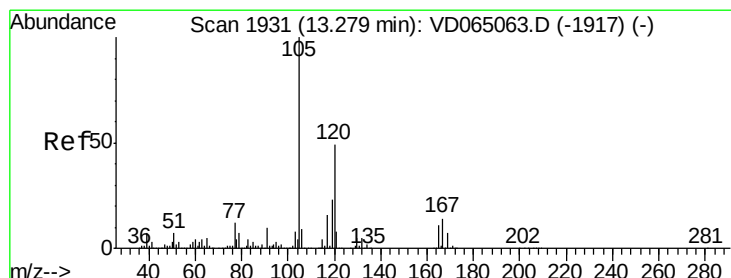
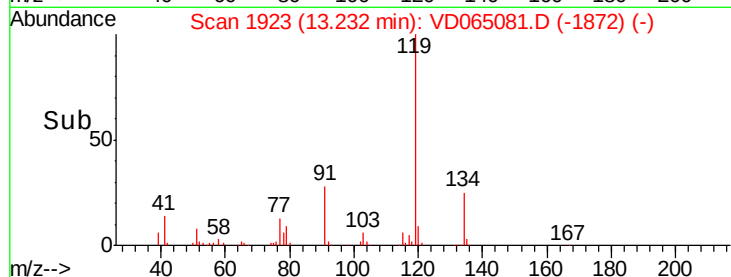
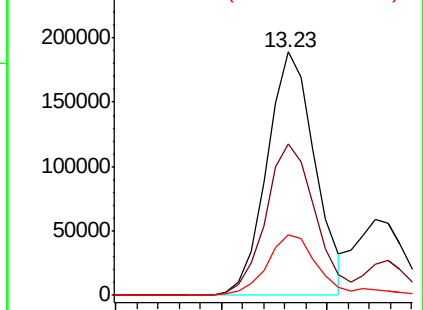
#83
 tert-Butylbenzene
 Concen: 20.329 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 299611
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.3 96.9
 134 27.4 13.8 41.3

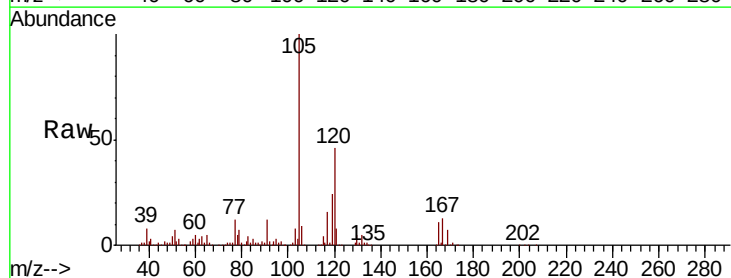


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

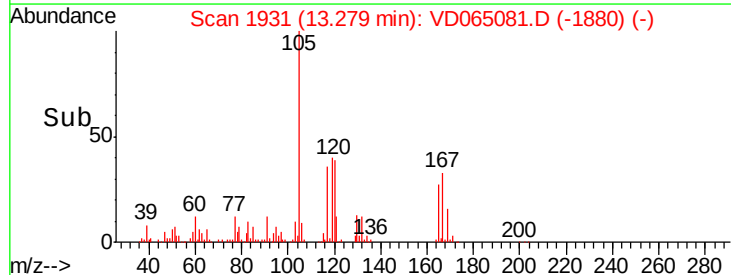
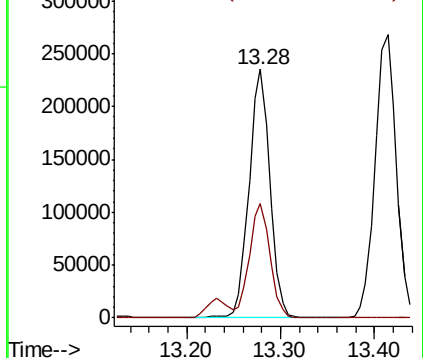


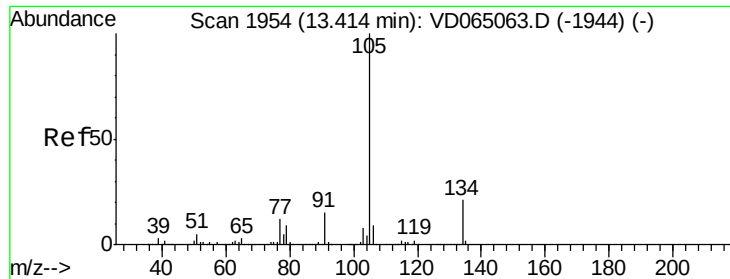
#84
 1,2,4-Trimethylbenzene
 Concen: 21.342 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion:105 Resp: 361949
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.5 70.5



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





#85

sec-Butylbenzene

Concen: 20.836 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

Instrument :

MSVOA_D

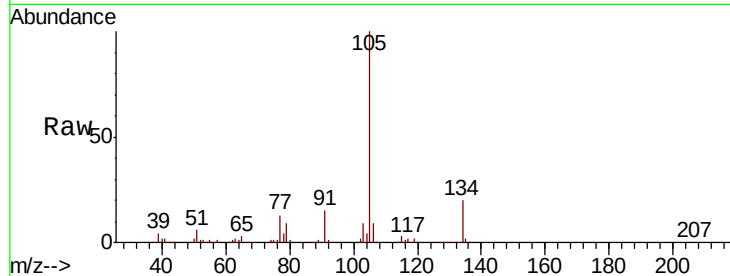
ClientSampleId :

Tot Ion:105 Resp: 419409

Ion Ratio Lower Upper

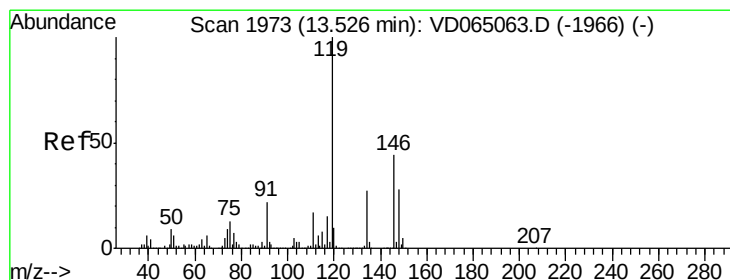
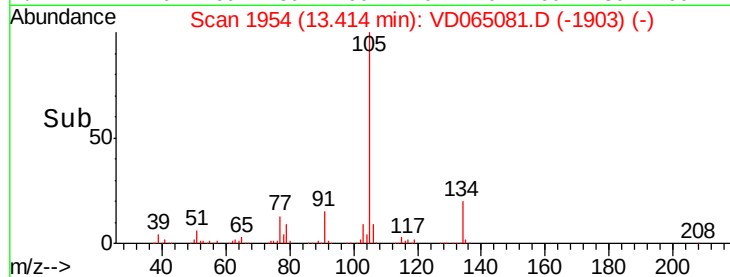
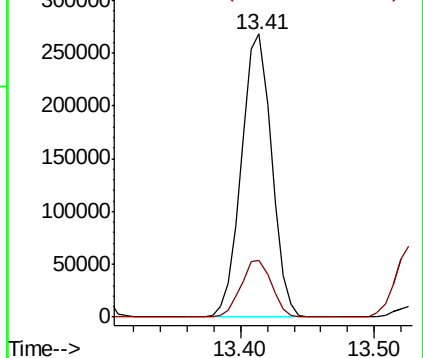
105 100

134 20.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.067 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065081.D

Acq: 06 Feb 2020 12:33

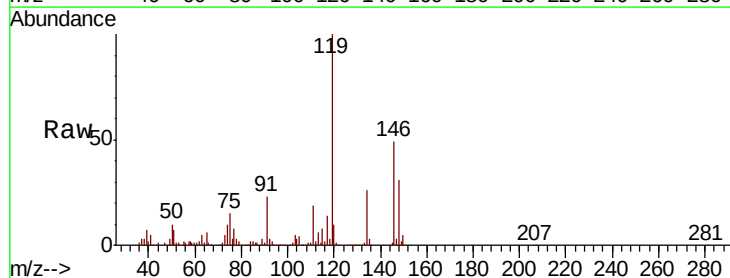
Tgt Ion:119 Resp: 394000

Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.5

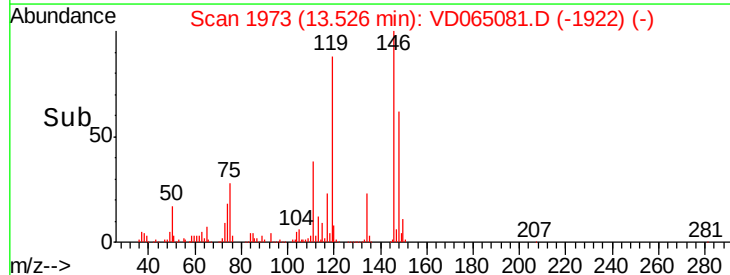
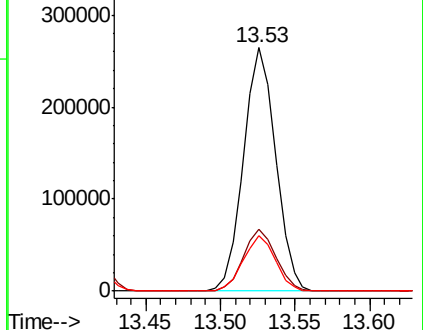
91 23.0 11.3 33.9

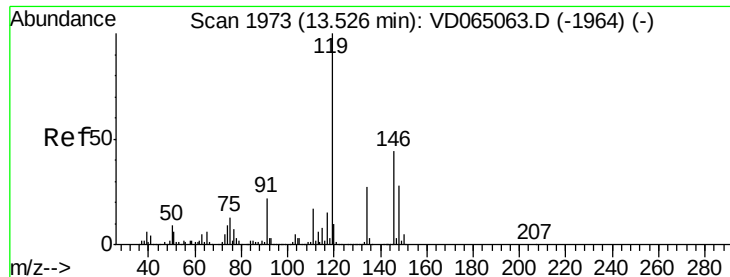


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

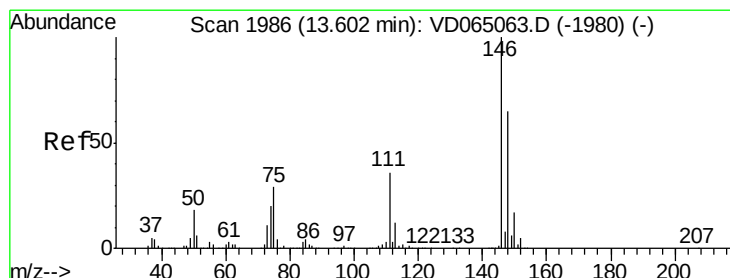
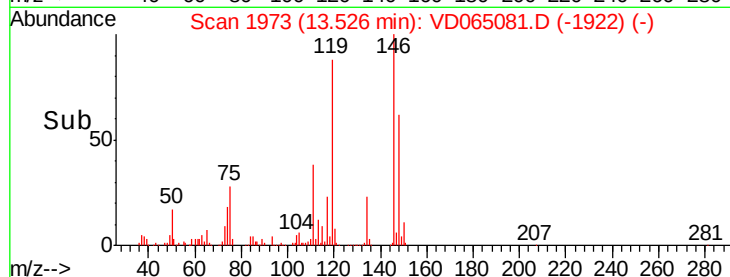
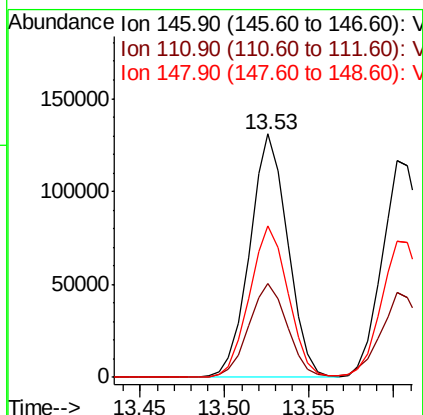
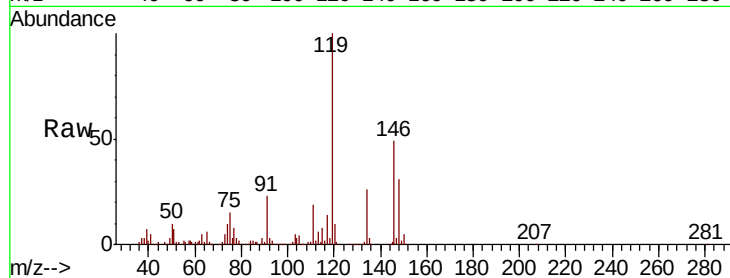




#87
 1,3-Dichlorobenzene
 Concen: 21.755 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

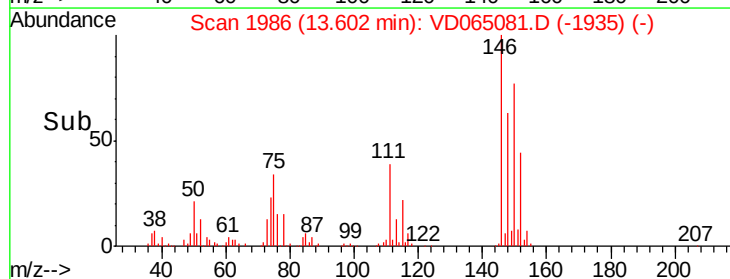
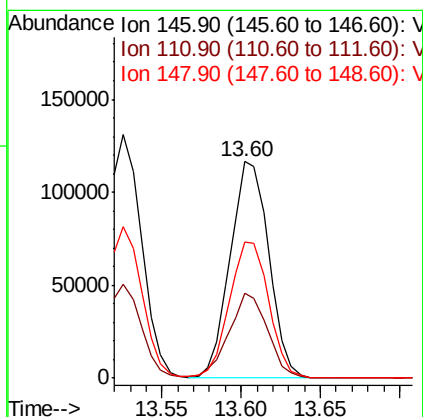
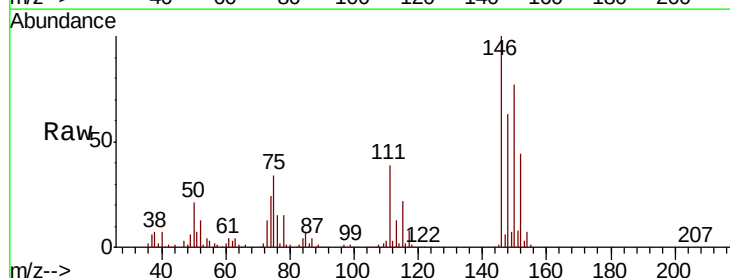
Instrument :
 MSVOA_D
 ClientSampleId :

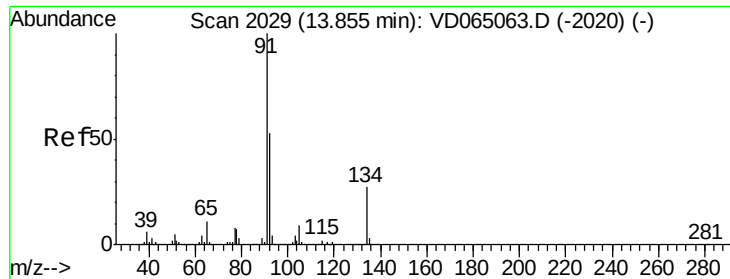
Tot Ion:146 Resp: 204921
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.4 58.4
 148 63.3 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.100 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion:146 Resp: 197814
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.5 55.5
 148 63.7 32.7 98.1

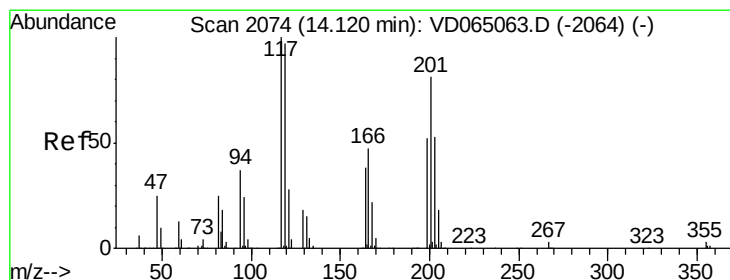
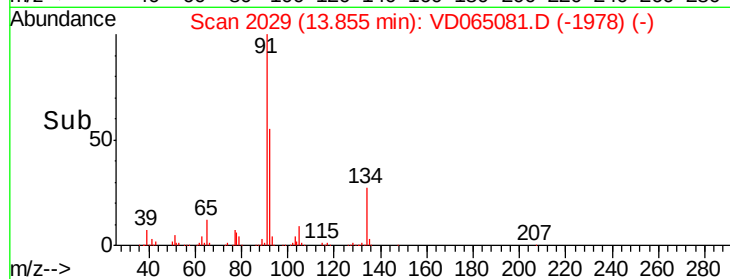
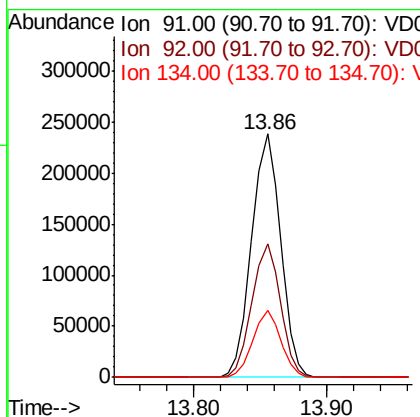
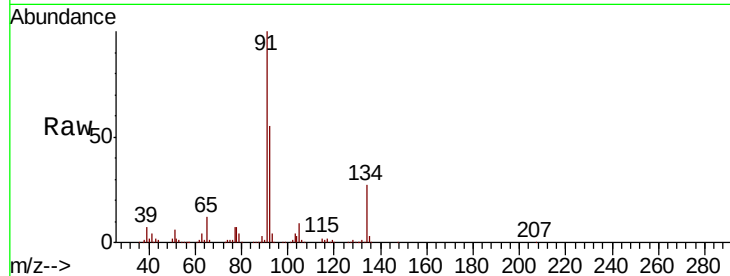




#89
n-Butylbenzene
Concen: 20.732 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

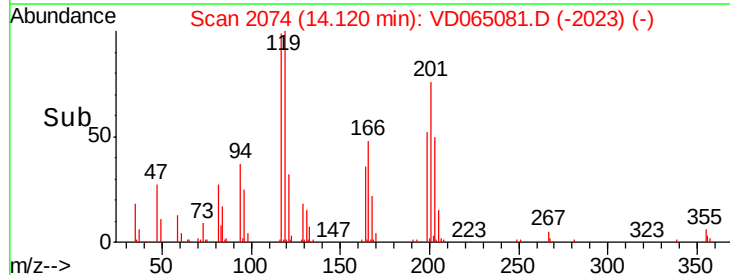
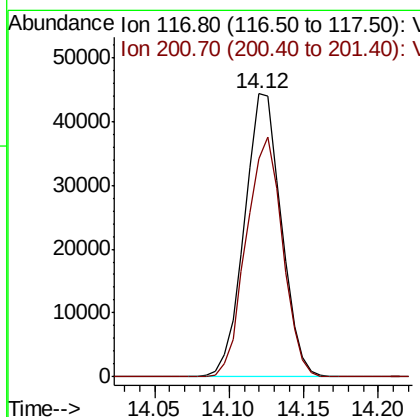
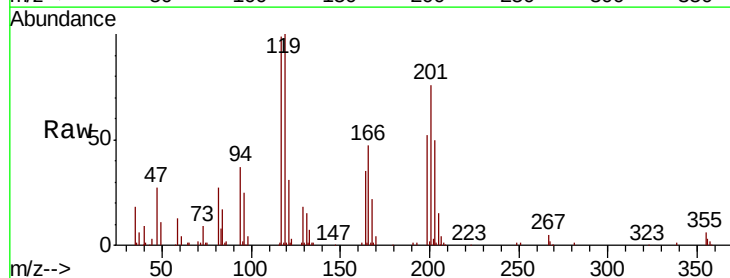
Instrument :
MSVOA_D
ClientSampleId :

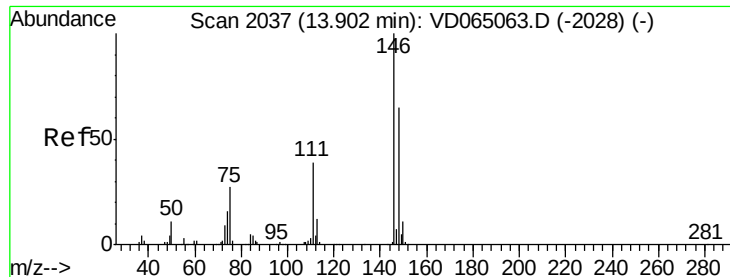
Tot Ion: 91 Resp: 357885
Ion Ratio Lower Upper
91 100
92 53.8 26.7 80.1
134 26.5 13.4 40.2



#90
Hexachloroethane
Concen: 21.360 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion: 117 Resp: 75647
Ion Ratio Lower Upper
117 100
201 83.4 42.5 127.6

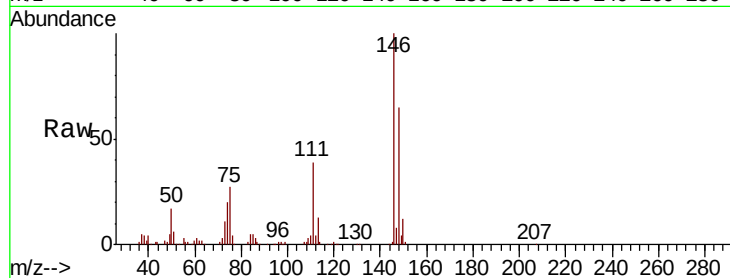




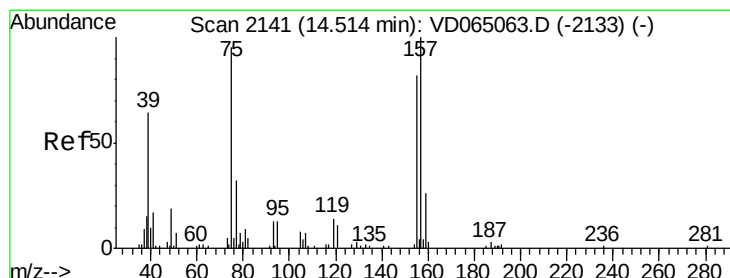
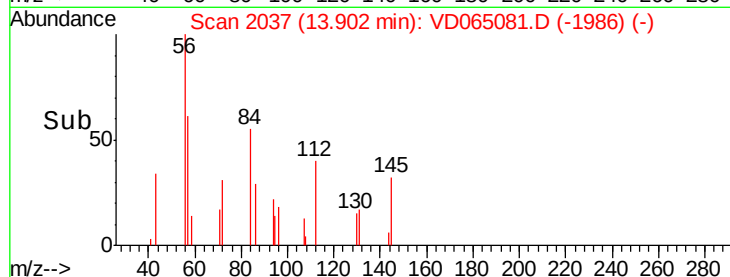
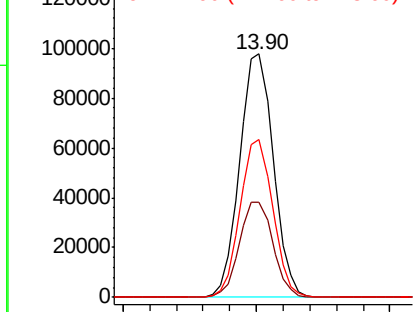
#91
 1,2-Dichlorobenzene
 Concen: 21.165 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.0	31.9	95.5

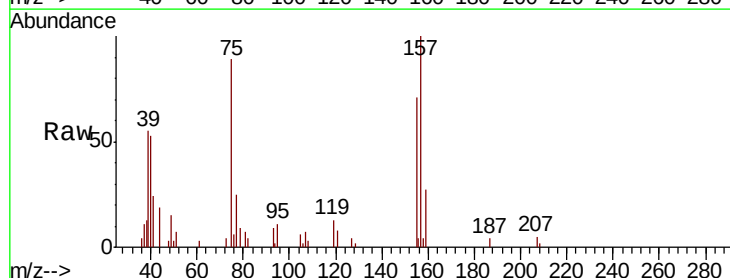


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

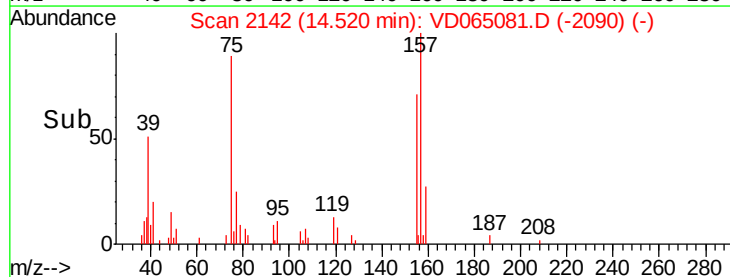
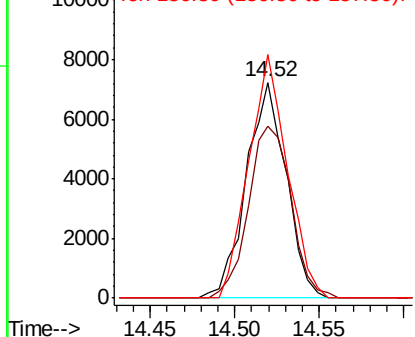


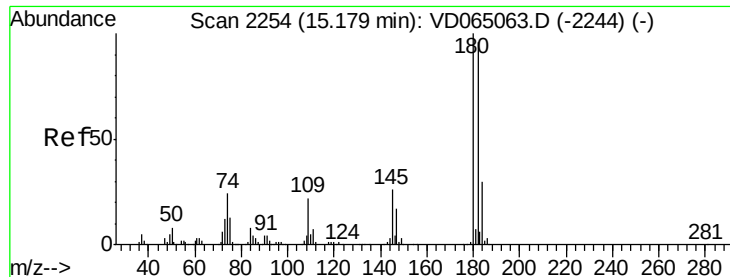
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.161 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	43.4	130.1
157	109.7	55.8	167.3



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

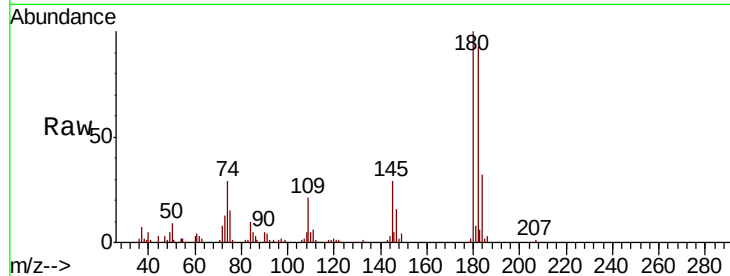




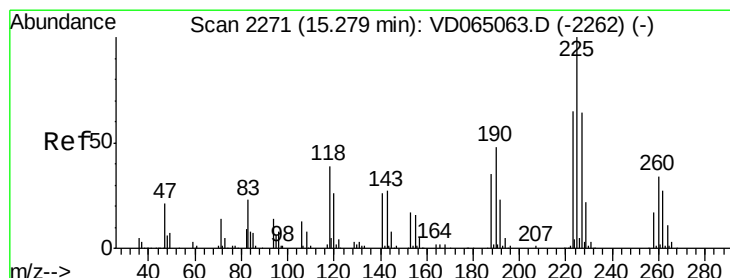
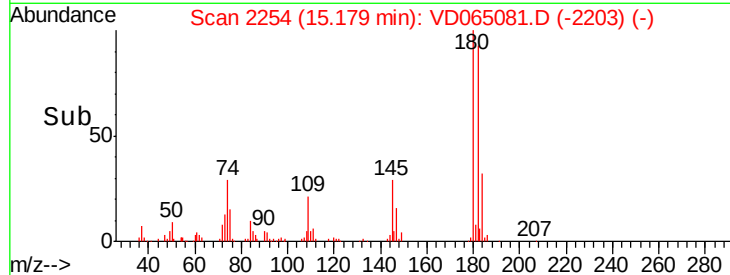
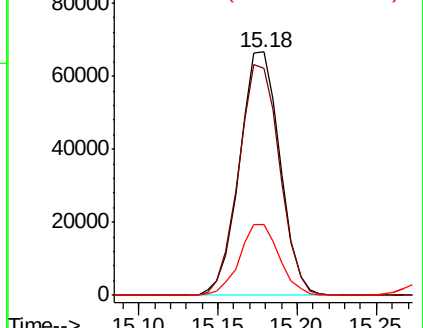
#93
 1,2,4-Trichlorobenzene
 Concen: 20.474 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 118064
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.4 142.3
 145 28.7 14.1 42.4

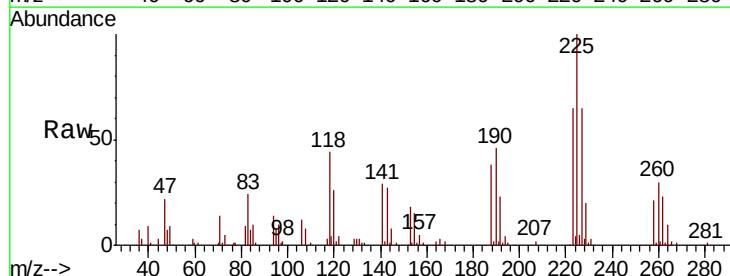


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

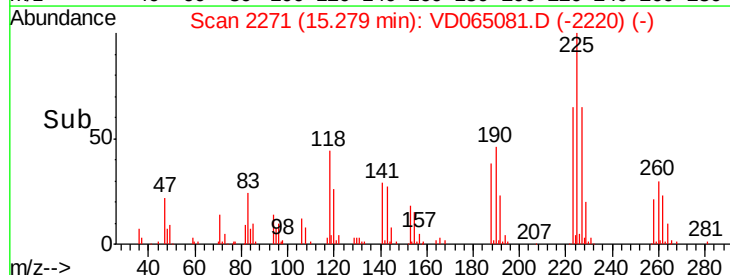
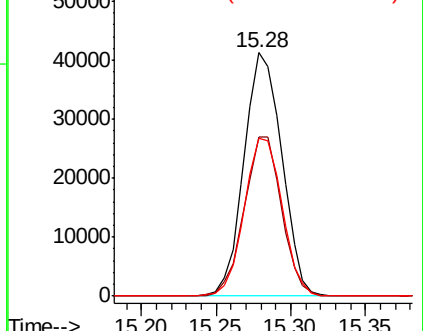


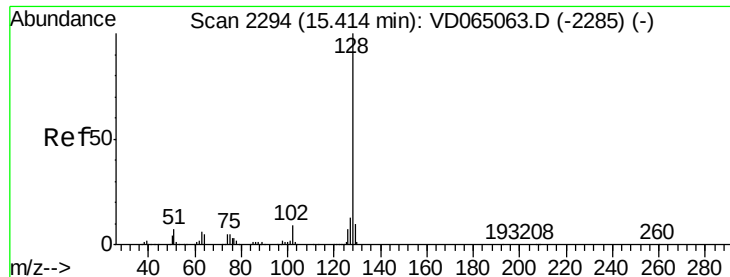
#94
 Hexachlorobutadiene
 Concen: 20.406 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065081.D
 Acq: 06 Feb 2020 12:33

Tgt Ion:225 Resp: 72353
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.4 94.0
 227 65.1 31.8 95.3



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

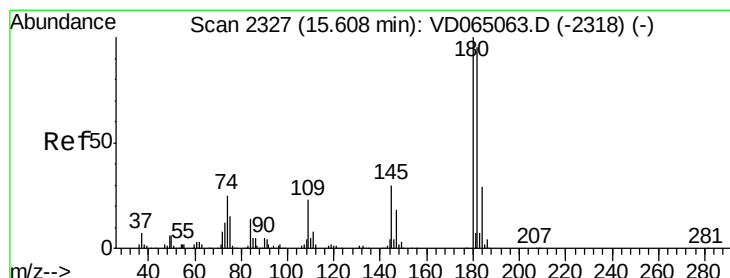
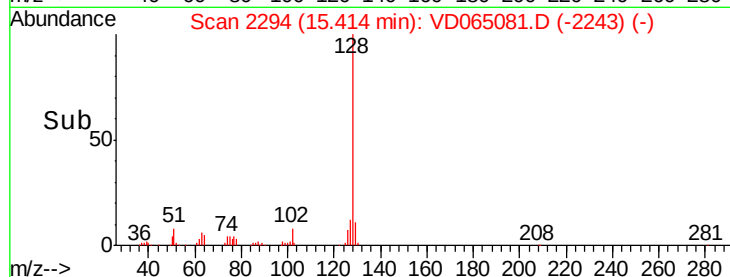
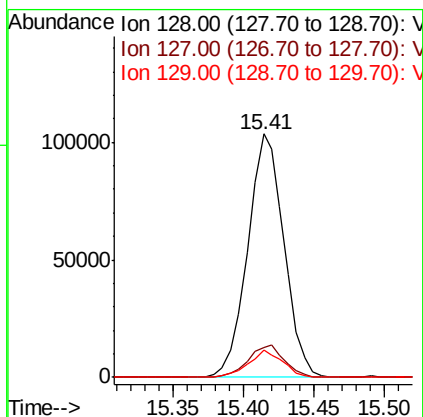
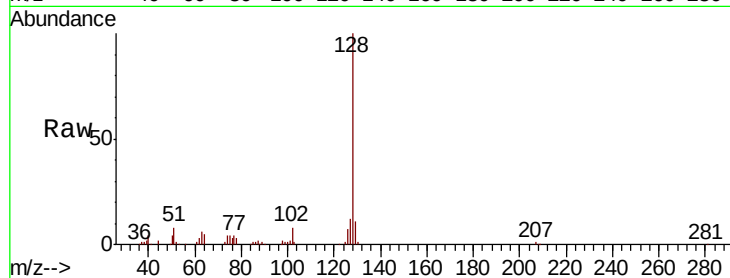




#95
Naphthalene
Concen: 19.456 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 186476
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.450 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065081.D
Acq: 06 Feb 2020 12:33

Tgt Ion:180 Resp: 100872
Ion Ratio Lower Upper
180 100
182 96.8 47.1 141.4
145 29.8 14.9 44.9

