

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013020\
 Data File : VD065005.D
 Acq On : 30 Jan 2020 11:27
 Operator : VA/SY
 Sample : VD0130SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Quant Time: Jan 30 12:32:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	455862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	197522	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
35) Dibromofluoromethane	7.92	113	199969	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	10.34	98	761722	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	12.64	95	233285	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76130	22.17	ug/l	99
3) Chloromethane	2.21	50	102190	20.30	ug/l	99
4) Vinyl Chloride	2.35	62	119270	20.63	ug/l	100
5) Bromomethane	2.76	94	81287	20.90	ug/l	100
6) Chloroethane	2.92	64	78250	20.53	ug/l	100
7) Trichlorofluoromethane	3.27	101	185318	20.76	ug/l	96
8) Diethyl Ether	3.71	74	39309	19.50	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90994	21.91	ug/l	98
10) Methyl Iodide	4.30	142	86831	19.69	ug/l	99
11) Tert butyl alcohol	5.25	59	24124	99.84	ug/l	96
12) 1,1-Dichloroethene	4.06	96	83604	21.07	ug/l	96
13) Acrolein	3.93	56	23108	76.28	ug/l	100
14) Allyl chloride	4.71	41	135340	21.38	ug/l	99
15) Acrylonitrile	5.43	53	87141	99.84	ug/l	99
16) Acetone	4.17	43	93806	90.00	ug/l	97
17) Carbon Disulfide	4.40	76	274338	21.01	ug/l	100
18) Methyl Acetate	4.72	43	44972	21.96	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	173117	19.52	ug/l	97
20) Methylene Chloride	4.96	84	99262	19.43	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	95289	20.84	ug/l	95
22) Diisopropyl ether	6.37	45	260512	20.65	ug/l	98
23) Vinyl Acetate	6.31	43	706540	95.68	ug/l	99
24) 1,1-Dichloroethane	6.27	63	163228	21.08	ug/l	98
25) 2-Butanone	7.21	43	115240	97.55	ug/l	100
26) 2,2-Dichloropropane	7.20	77	153261	21.82	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	101200	20.74	ug/l	98
28) Bromochloromethane	7.55	49	50594	16.34	ug/l	97
29) Tetrahydrofuran	7.57	42	68591	94.10	ug/l	99
30) Chloroform	7.71	83	166557	20.81	ug/l	97
31) Cyclohexane	7.98	56	158788	20.84	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	159042	21.36	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136444	21.05	ug/l	98
37) Ethyl Acetate	7.30	43	51482	19.23	ug/l	98
38) Carbon Tetrachloride	8.10	117	145760	21.27	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013020\
 Data File : VD065005.D
 Acq On : 30 Jan 2020 11:27
 Operator : VA/SY
 Sample : VD0130SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Quant Time: Jan 30 12:32:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	158291	20.88	ug/l	97
40) Benzene	8.36	78	365959	20.50	ug/l	97
41) Methacrylonitrile	7.53	41	31128	21.58	ug/l	97
42) 1,2-Dichloroethane	8.43	62	106635	20.05	ug/l	99
43) Isopropyl Acetate	8.46	43	95963	18.87	ug/l	97
44) Trichloroethene	9.11	130	103846	20.78	ug/l	97
45) 1,2-Dichloropropane	9.39	63	90000	20.79	ug/l	99
46) Dibromomethane	9.48	93	46425	19.65	ug/l	99
47) Bromodichloromethane	9.66	83	128244	20.86	ug/l #	96
48) Methyl methacrylate	9.46	41	47682	20.37	ug/l	97
49) 1,4-Dioxane	9.47	88	10024	365.75	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	240137	94.35	ug/l	99
52) Toluene	10.41	92	234023	20.33	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	115414	19.70	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	139986	20.41	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	62092	19.51	ug/l	99
56) Ethyl methacrylate	10.66	69	73402	19.28	ug/l	100
57) 1,3-Dichloropropane	10.95	76	112256	20.56	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	123536	97.69	ug/l	98
59) 2-Hexanone	10.99	43	167134	95.20	ug/l	97
60) Dibromochloromethane	11.14	129	84533	19.87	ug/l	97
61) 1,2-Dibromoethane	11.25	107	60722	19.81	ug/l	99
64) Tetrachloroethene	10.88	164	92081	21.90	ug/l	92
65) Chlorobenzene	11.67	112	251857	21.32	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	91823	20.66	ug/l	99
67) Ethyl Benzene	11.75	91	439932	20.97	ug/l	98
68) m/p-Xylenes	11.86	106	341907	42.33	ug/l	99
69) o-Xylene	12.18	106	146840	20.49	ug/l	99
70) Styrene	12.20	104	268518	21.03	ug/l	99
71) Bromoform	12.37	173	48350	19.57	ug/l #	98
73) Isopropylbenzene	12.48	105	416091	21.76	ug/l	100
74) N-amyl acetate	12.30	43	85024	19.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	67593	21.03	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	87693	37.76	ug/l #	100
77) Bromobenzene	12.77	156	99635	21.30	ug/l	100
78) n-propylbenzene	12.83	91	503166	22.13	ug/l	99
79) 2-Chlorotoluene	12.91	91	272591	21.85	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	343449	21.92	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22053	20.28	ug/l	94
82) 4-Chlorotoluene	13.01	91	286896	21.69	ug/l	99
83) tert-Butylbenzene	13.23	119	287136	21.59	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	341036	21.48	ug/l	98
85) sec-Butylbenzene	13.41	105	405018	21.51	ug/l	99
86) p-Isopropyltoluene	13.53	119	377749	21.44	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	185939	20.71	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	184147	20.67	ug/l	98
89) n-Butylbenzene	13.85	91	350920	21.82	ug/l	99
90) Hexachloroethane	14.12	117	75773	22.30	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	160492	21.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10650	20.71	ug/l	90

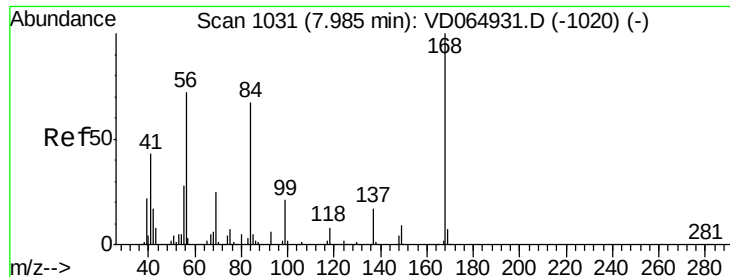
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD013020\
Data File : VD065005.D
Acq On : 30 Jan 2020 11:27
Operator : VA/SY
Sample : VD0130SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Quant Time: Jan 30 12:32:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108918	20.66	ug/l	98
94) Hexachlorobutadiene	15.28	225	69171	20.74	ug/l	99
95) Naphthalene	15.41	128	163936	19.27	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	91964	20.12	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

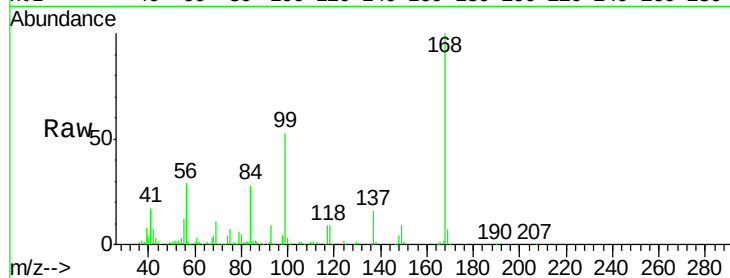
VD0130SBS01

Tgt Ion:168 Resp: 455862

Ion Ratio Lower Upper

168 100

99 53.3 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

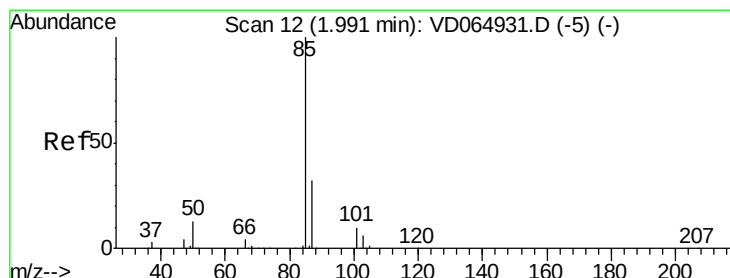
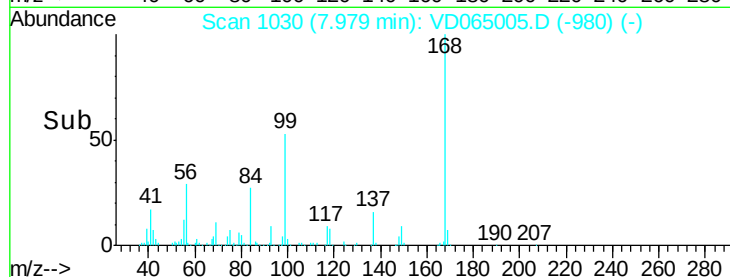
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.17 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065005.D

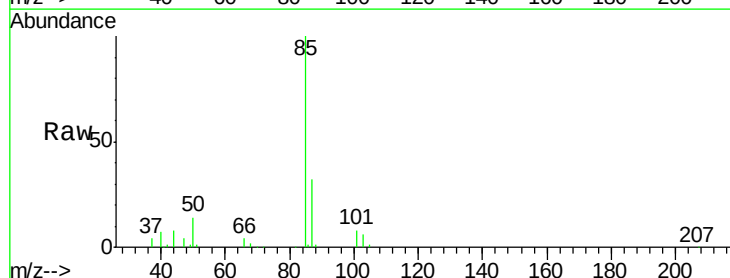
Acq: 30 Jan 2020 11:27

Tgt Ion: 85 Resp: 76130

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

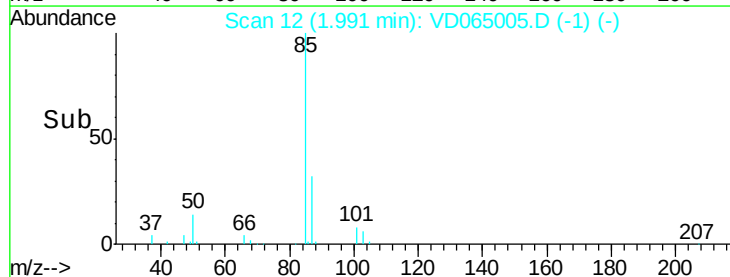
20000

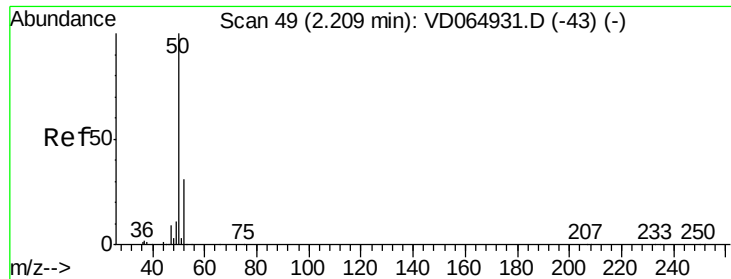
10000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.30 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

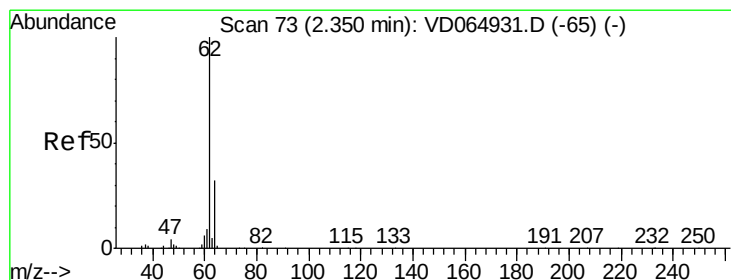
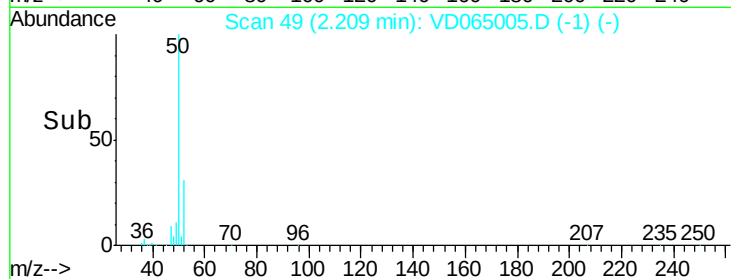
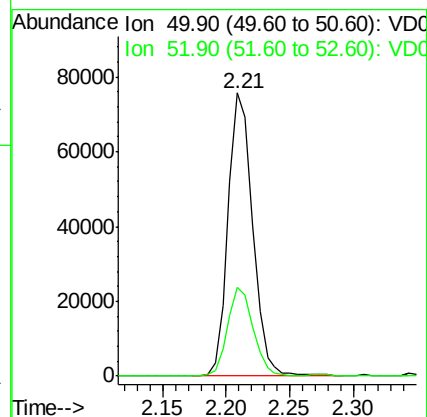
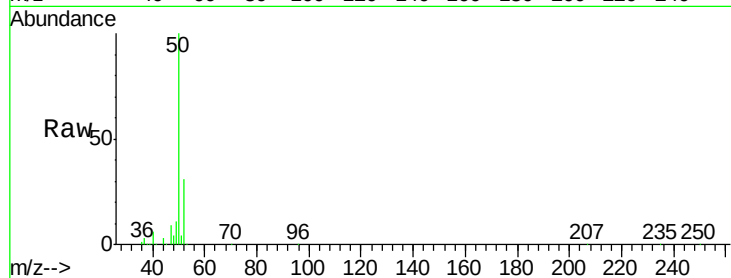
VD0130SBS01

Tgt Ion: 50 Resp: 102190

Ion Ratio Lower Upper

50 100

52 31.3 24.6 36.8



#4

Vinyl Chloride

Concen: 20.63 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065005.D

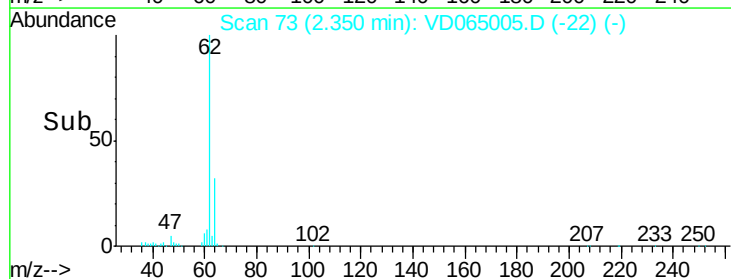
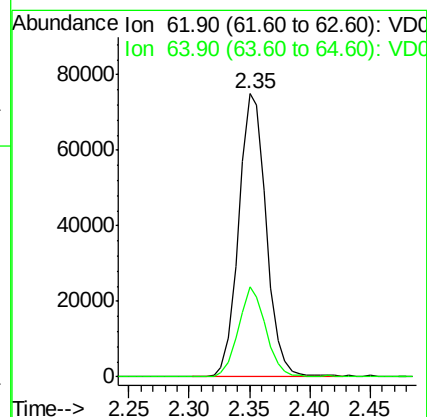
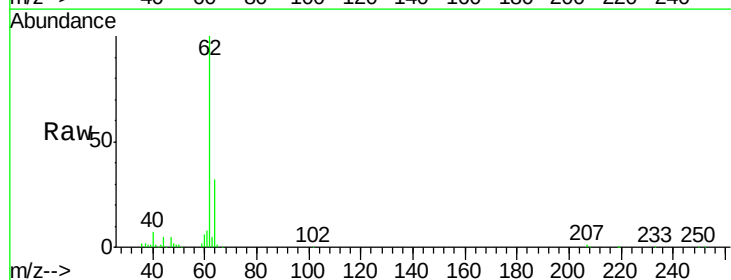
Acq: 30 Jan 2020 11:27

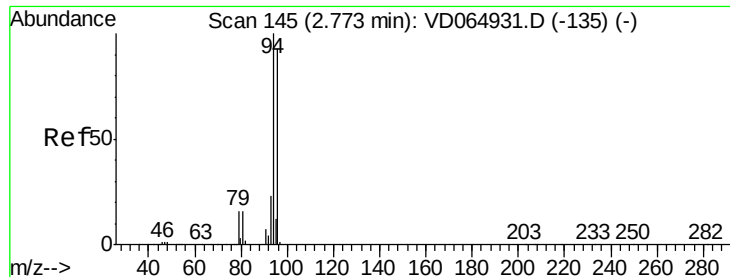
Tgt Ion: 62 Resp: 119270

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 20.90 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

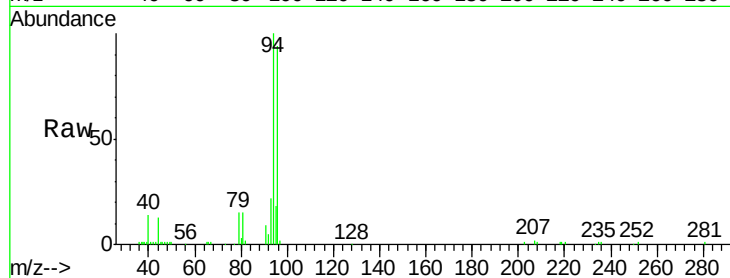
VD0130SBS01

Tgt Ion: 94 Resp: 81287

Ion Ratio Lower Upper

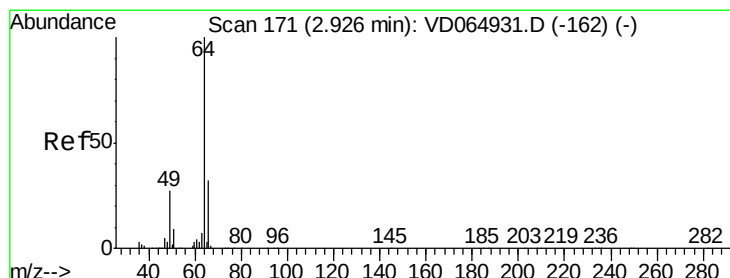
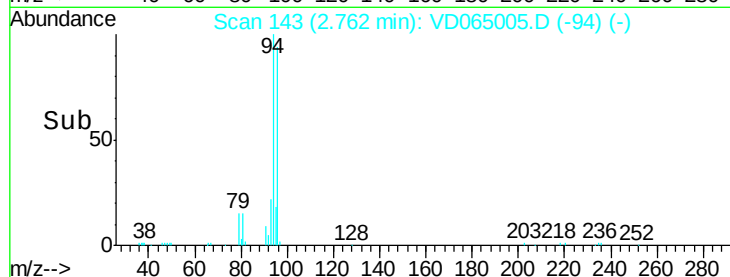
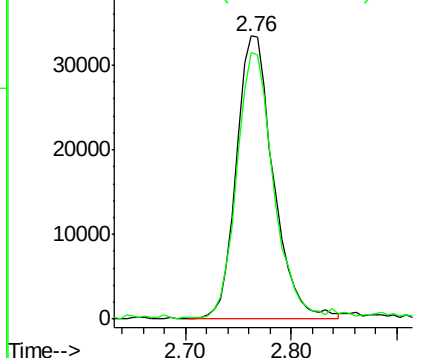
94 100

96 93.5 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.53 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065005.D

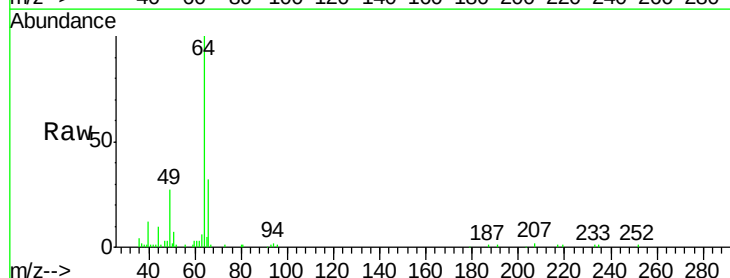
Acq: 30 Jan 2020 11:27

Tgt Ion: 64 Resp: 78250

Ion Ratio Lower Upper

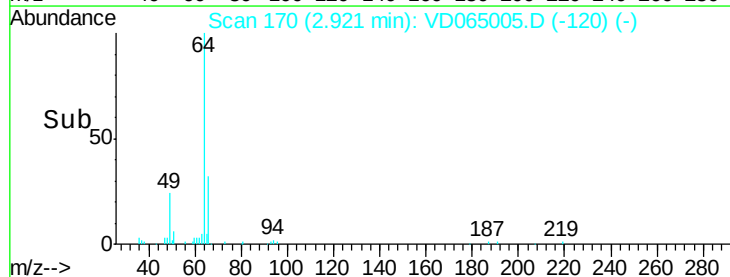
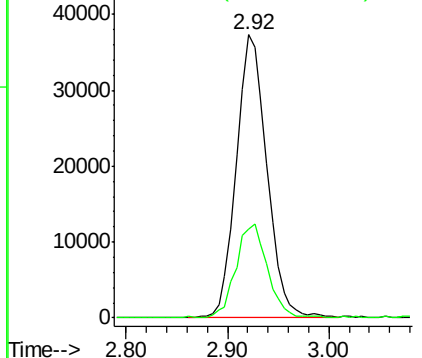
64 100

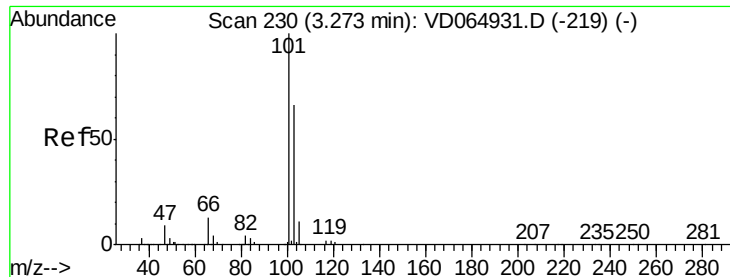
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



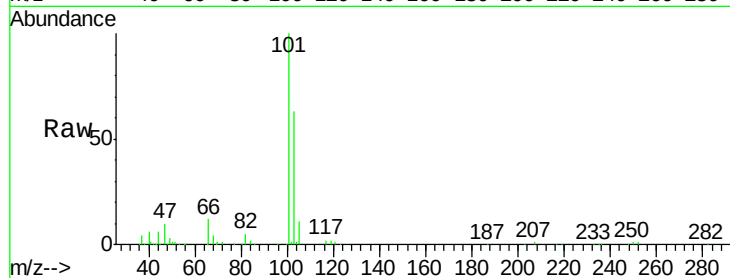


#7

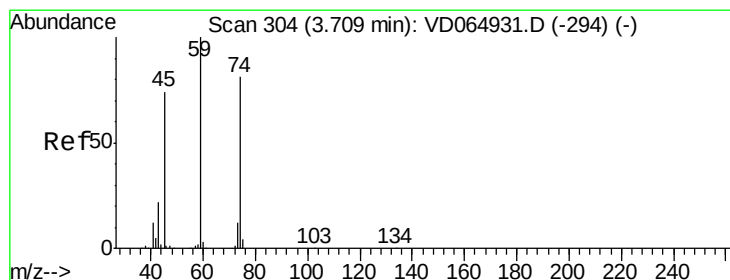
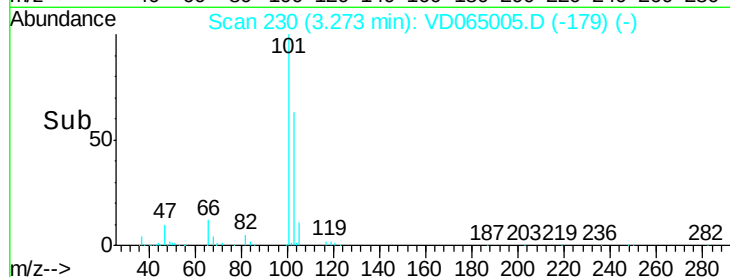
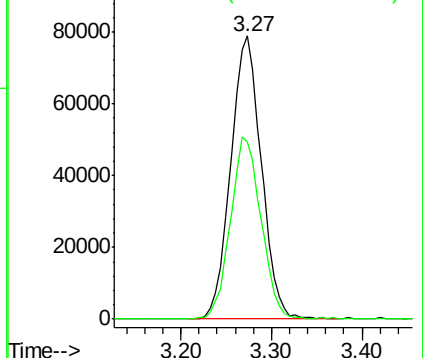
Trichlorofluoromethane
 Concen: 20.76 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tgt Ion: 101 Resp: 185318
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.5 78.7



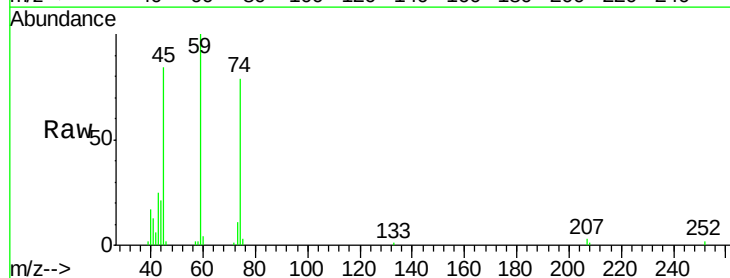
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



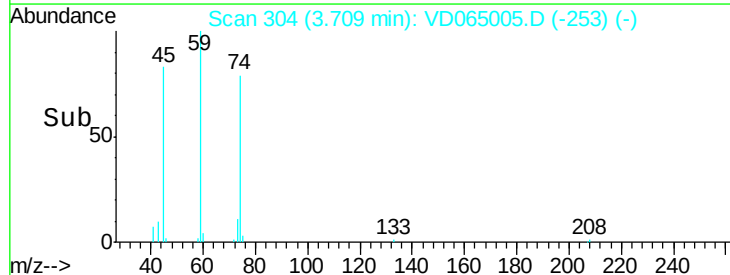
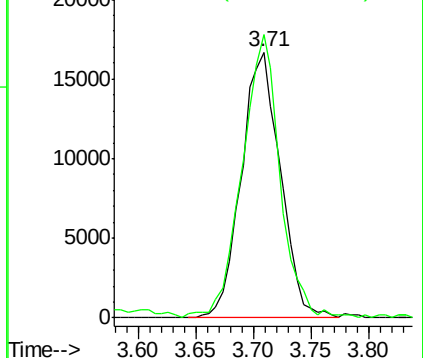
#8

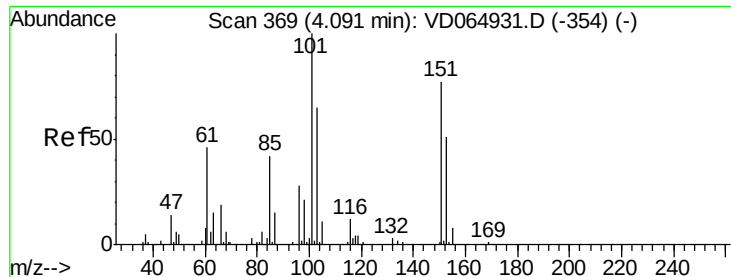
Diethyl Ether
 Concen: 19.50 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 74 Resp: 39309
 Ion Ratio Lower Upper
 74 100
 45 103.6 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.91 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

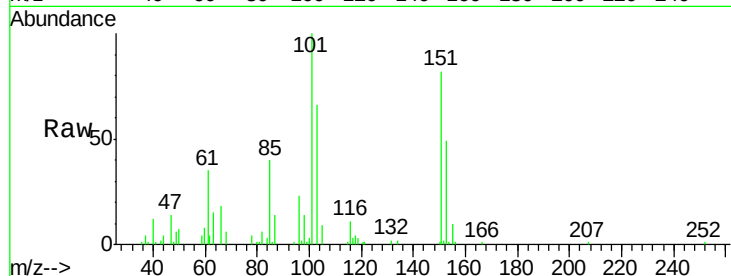
Tgt Ion:101 Resp: 90994

Ion Ratio Lower Upper

101 100

85 44.7 35.0 52.4

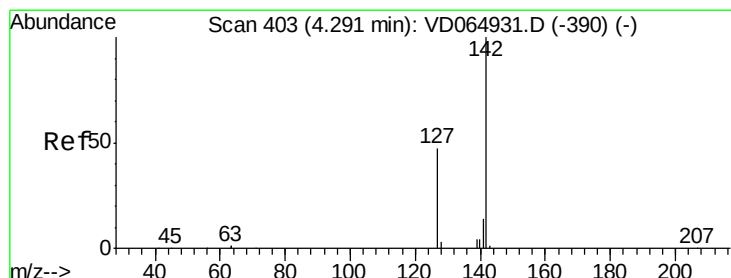
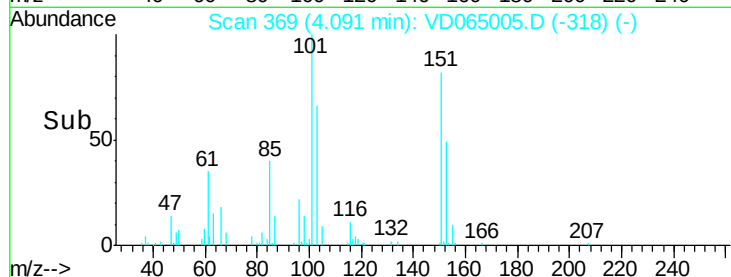
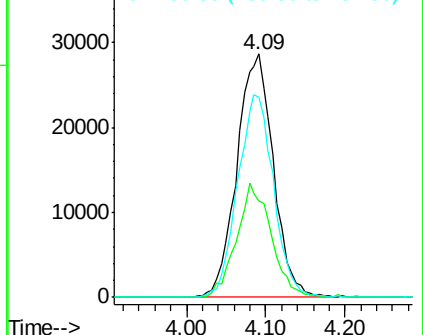
151 82.3 64.6 96.8



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: 19.69 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

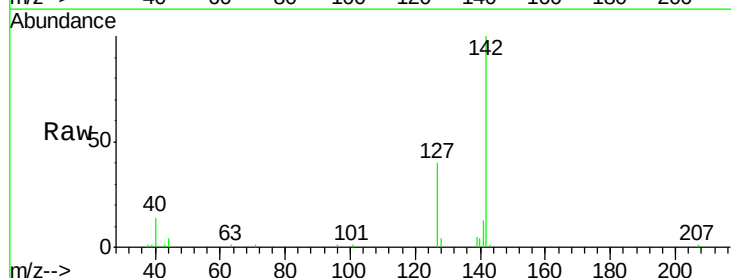
Tgt Ion:142 Resp: 86831

Ion Ratio Lower Upper

142 100

127 44.6 36.2 54.2

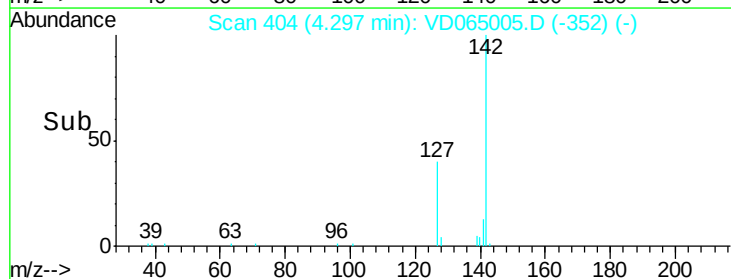
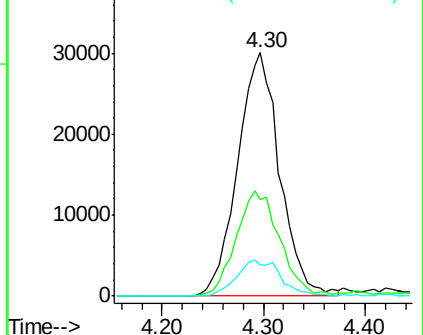
141 15.5 11.6 17.4

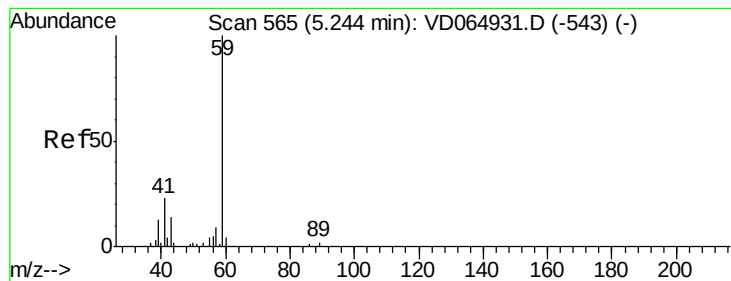


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.84 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

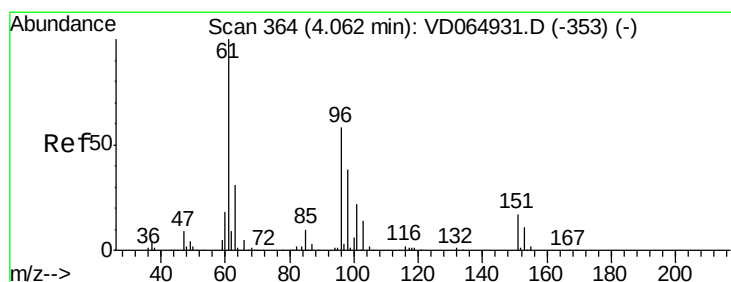
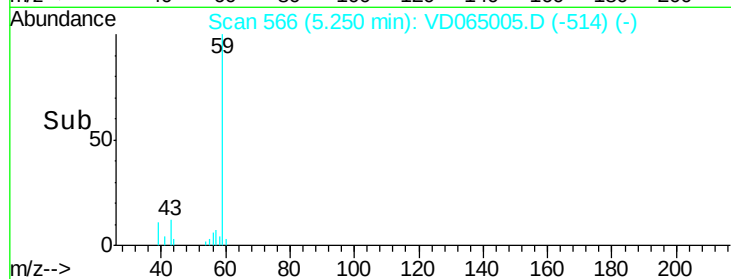
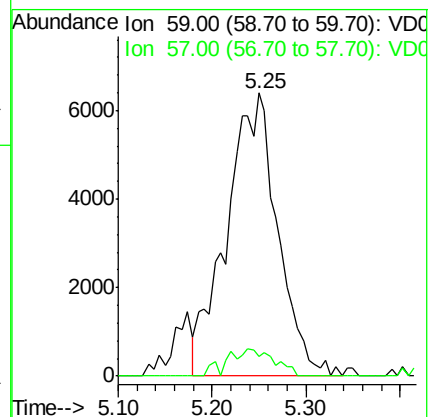
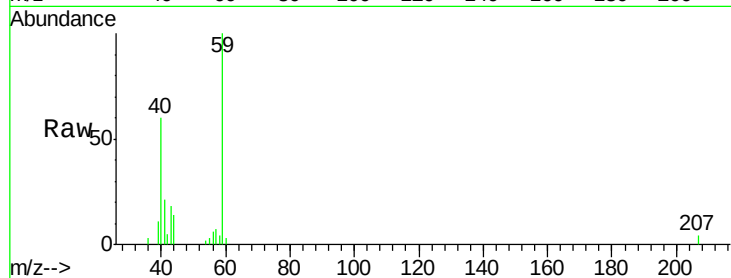
VD0130SBS01

Tgt Ion: 59 Resp: 24124

Ion Ratio Lower Upper

59 100

57 8.0 7.7 11.5



#12

1,1-Dichloroethene

Concen: 21.07 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

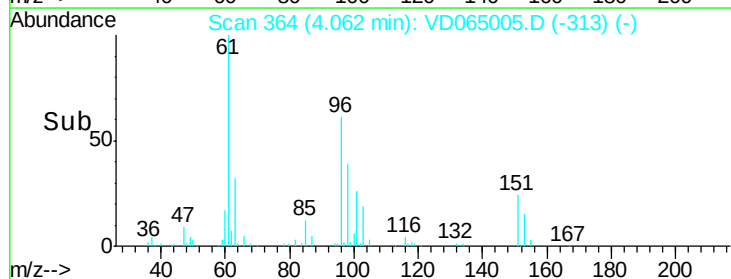
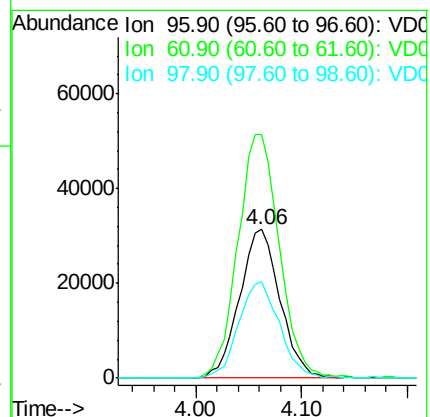
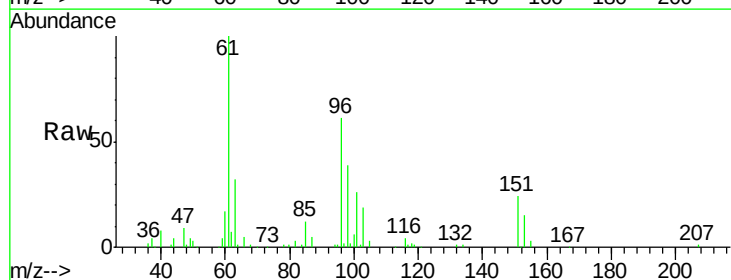
Tgt Ion: 96 Resp: 83604

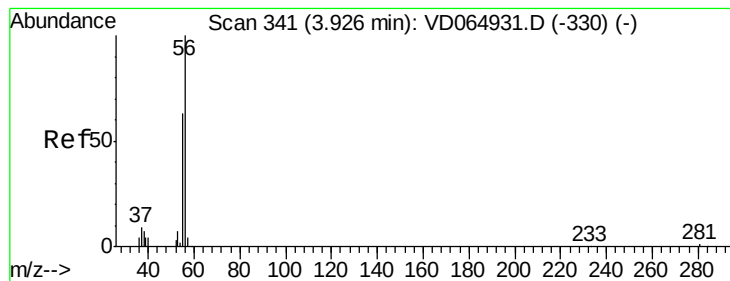
Ion Ratio Lower Upper

96 100

61 163.3 137.0 205.4

98 64.5 52.1 78.1





#13

Acrolein

Concen: 76.28 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

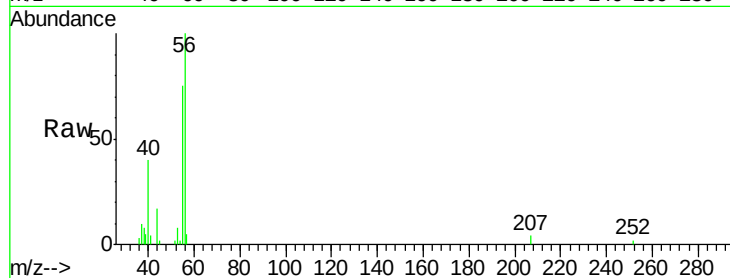
VD0130SBS01

Tgt Ion: 56 Resp: 23108

Ion Ratio Lower Upper

56 100

55 74.9 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

10000

8000

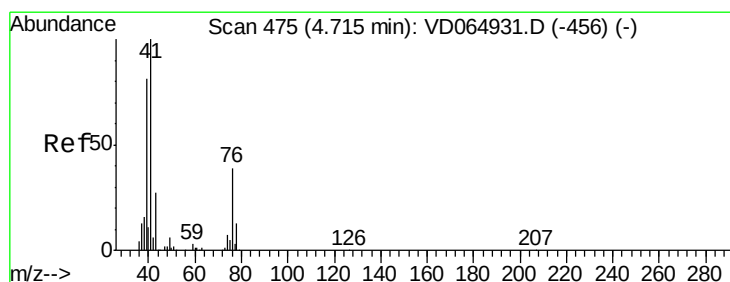
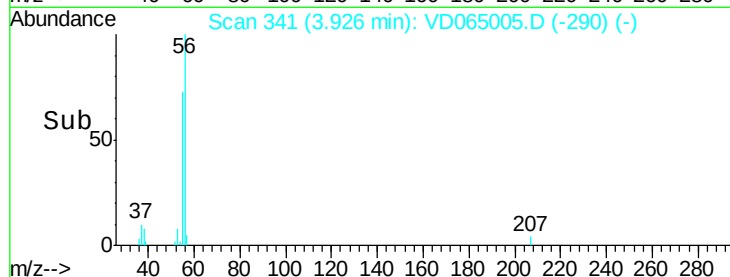
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 21.38 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

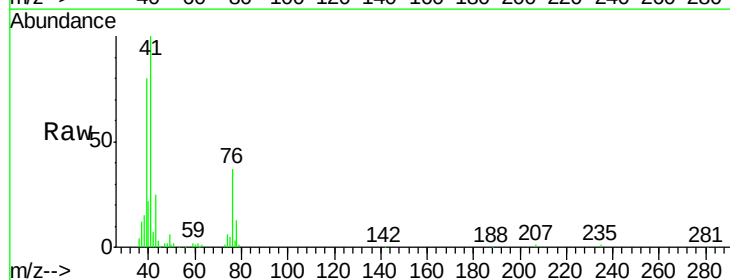
Tgt Ion: 41 Resp: 135340

Ion Ratio Lower Upper

41 100

39 76.6 62.0 93.0

76 36.7 29.3 43.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

50000

40000

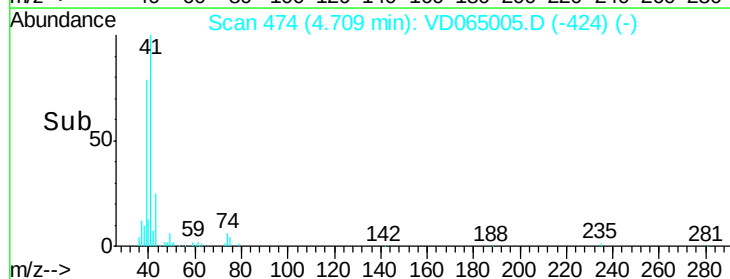
30000

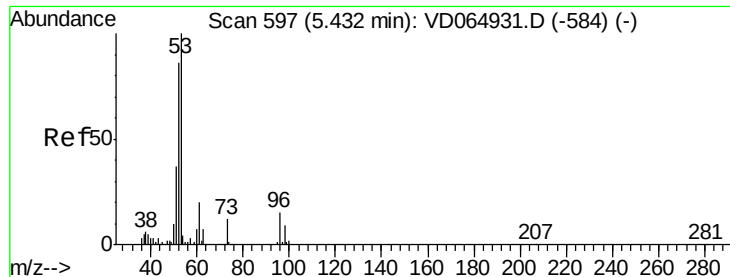
20000

10000

0

Time--> 4.60 4.70 4.80

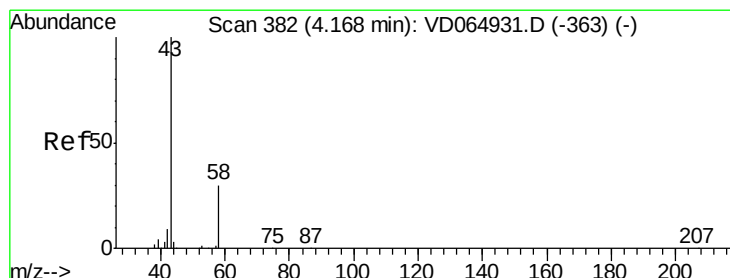
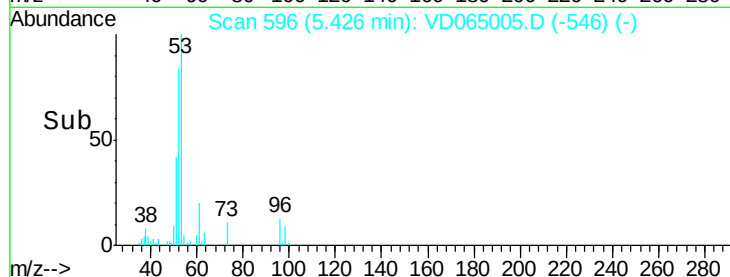
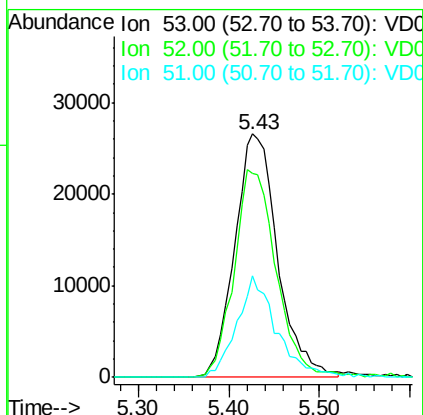
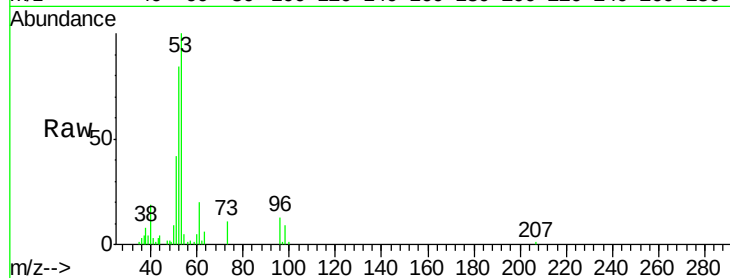




#15
 Acrylonitrile
 Concen: 99.84 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

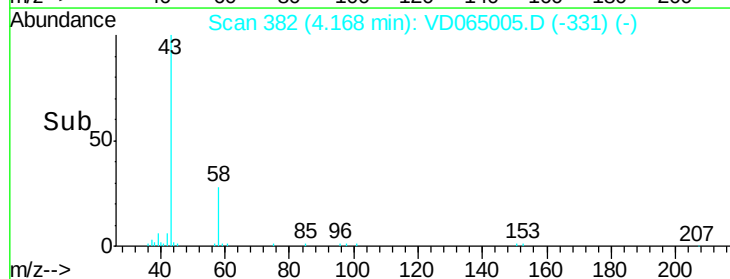
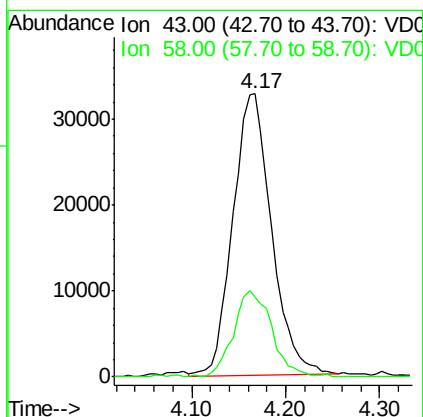
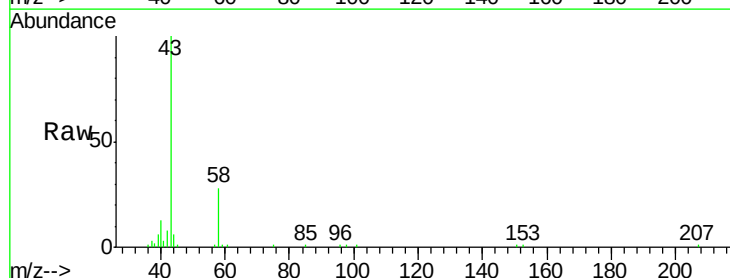
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

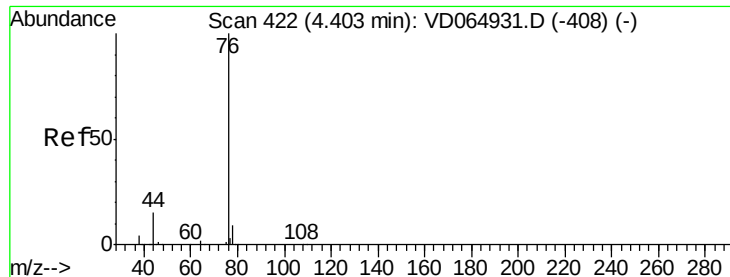
Tgt Ion: 53 Resp: 87141
 Ion Ratio Lower Upper
 53 100
 52 84.1 66.7 100.1
 51 38.4 31.1 46.7



#16
 Acetone
 Concen: 90.00 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 43 Resp: 93806
 Ion Ratio Lower Upper
 43 100
 58 28.3 23.8 35.8





#17

Carbon Disulfide

Concen: 21.01 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

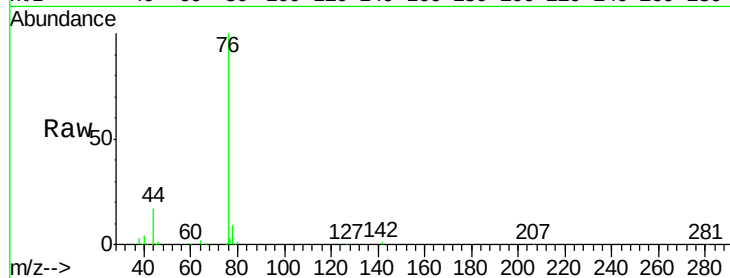
VD0130SBS01

Tgt Ion: 76 Resp: 274338

Ion Ratio Lower Upper

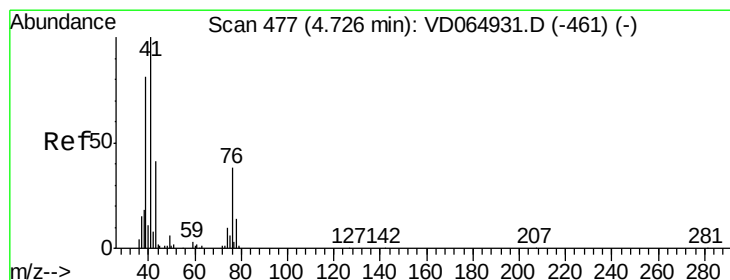
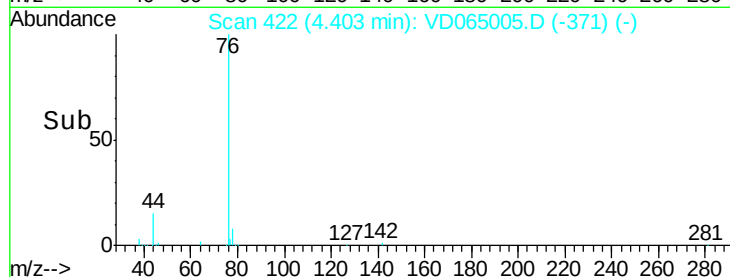
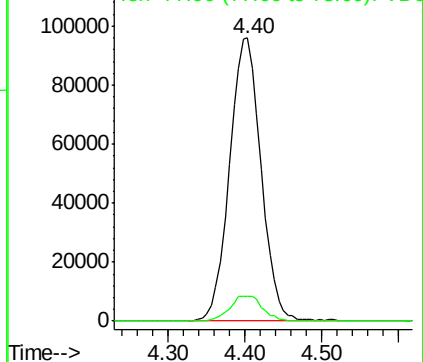
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.96 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065005.D

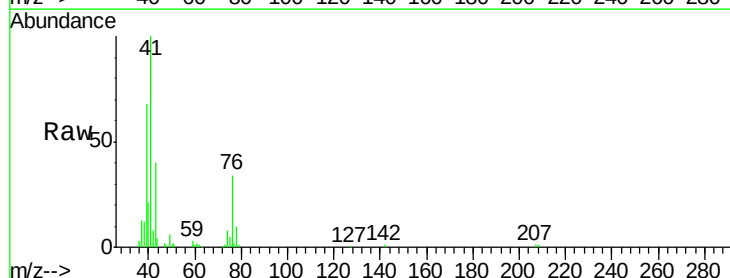
Acq: 30 Jan 2020 11:27

Tgt Ion: 43 Resp: 44972

Ion Ratio Lower Upper

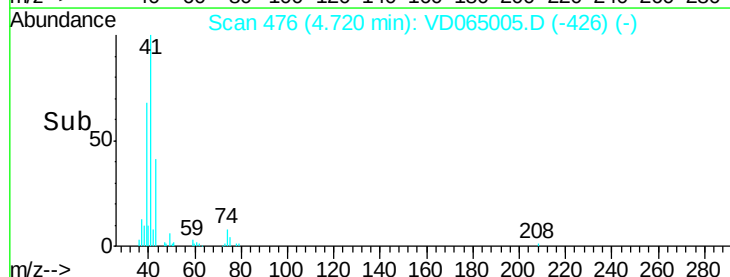
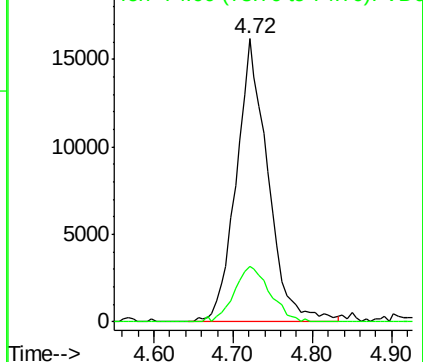
43 100

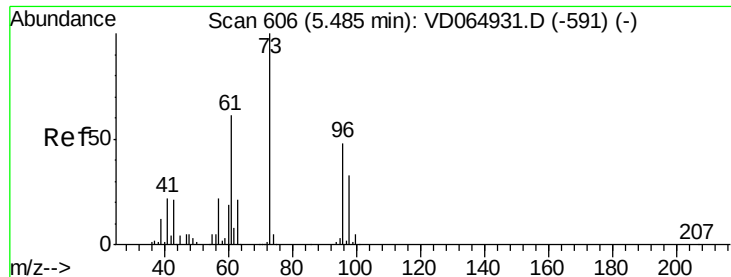
74 22.1 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 19.52 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

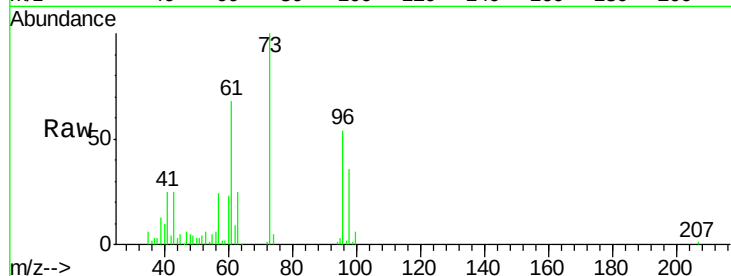
VD0130SBS01

Tgt Ion: 73 Resp: 173117

Ion Ratio Lower Upper

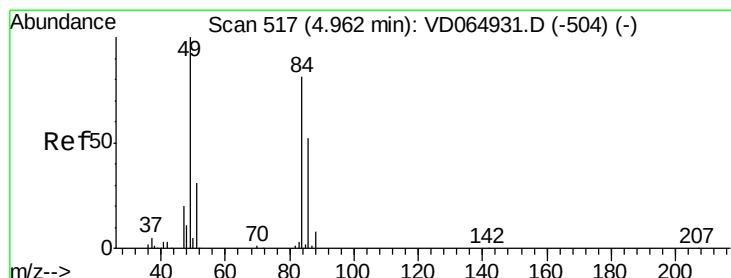
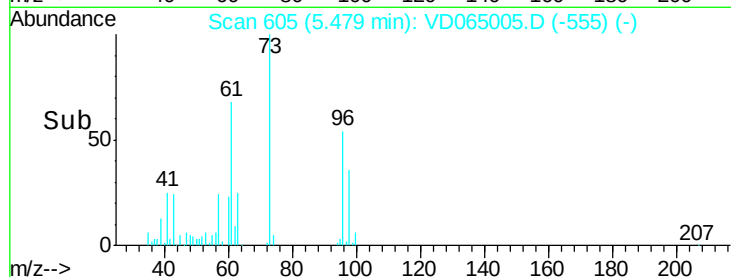
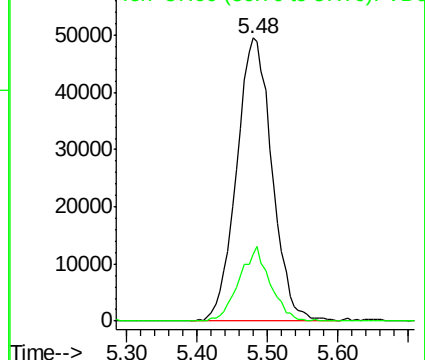
73 100

57 23.7 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 19.43 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion: 84 Resp: 99262

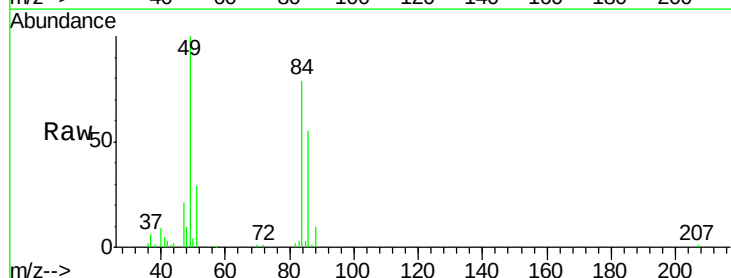
Ion Ratio Lower Upper

84 100

49 126.9 98.4 147.6

51 36.2 30.8 46.2

86 70.3 51.0 76.6

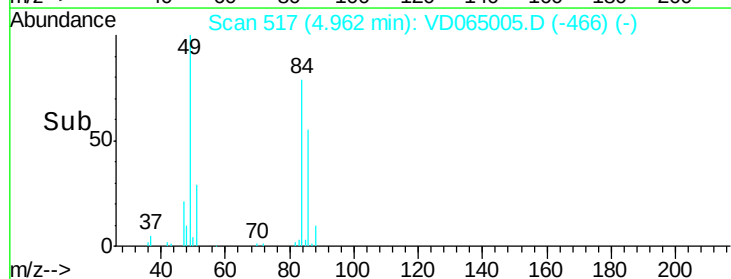
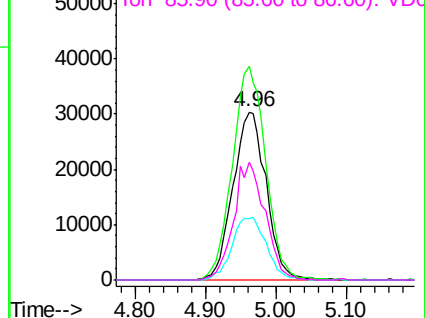


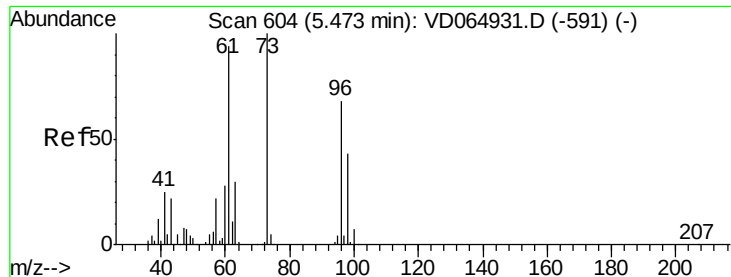
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 20.84 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

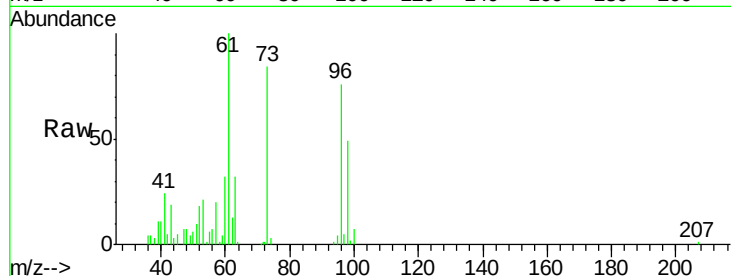
Tgt Ion: 96 Resp: 95289

Ion Ratio Lower Upper

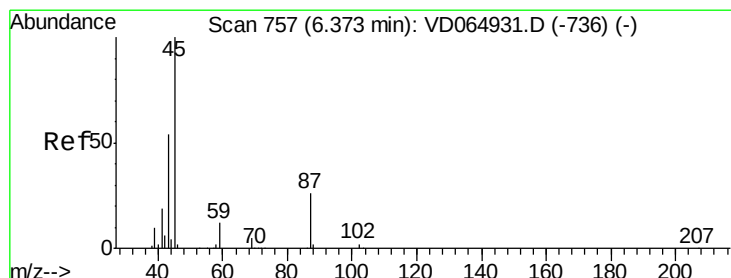
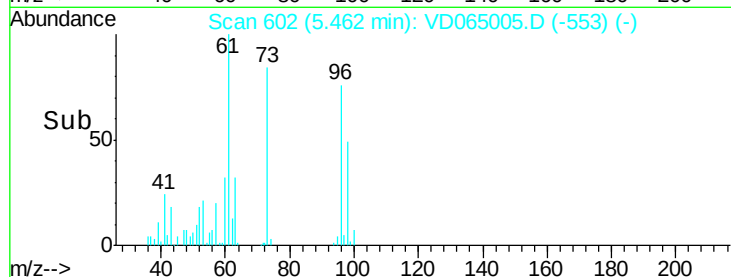
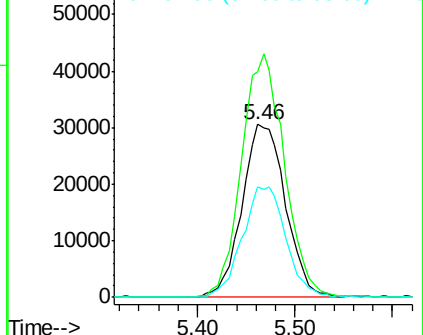
96 100

61 130.7 110.4 165.6

98 64.1 50.5 75.7



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



#22

Diisopropyl ether

Concen: 20.65 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion: 45 Resp: 260512

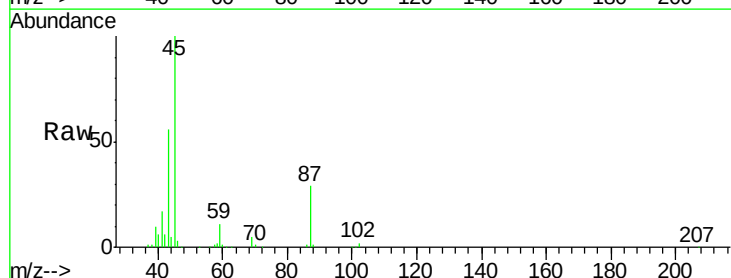
Ion Ratio Lower Upper

45 100

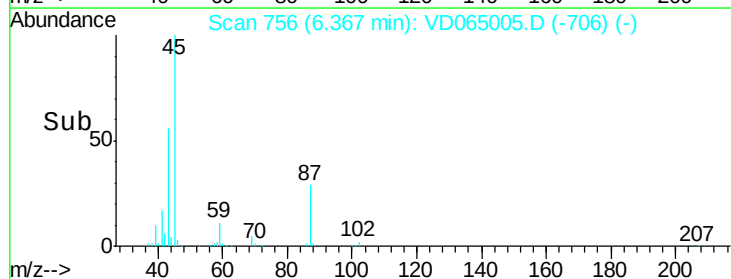
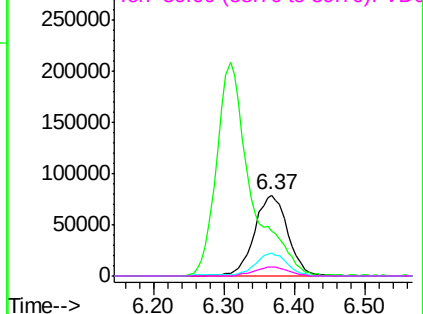
43 54.4 43.1 64.7

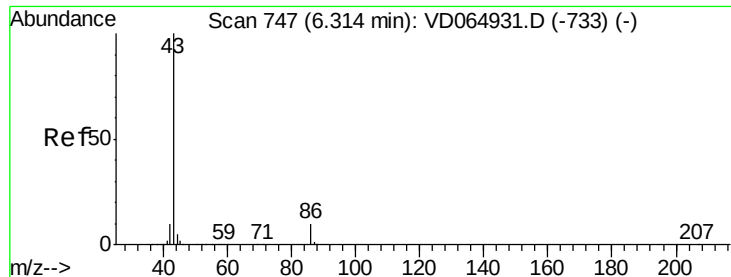
87 29.1 21.4 32.2

59 11.3 9.5 14.3



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





#23

Vinyl Acetate

Concen: 95.68 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

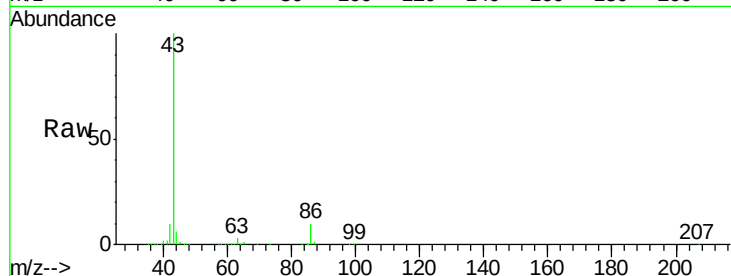
VD0130SBS01

Tgt Ion: 43 Resp: 706540

Ion Ratio Lower Upper

43 100

86 10.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

150000

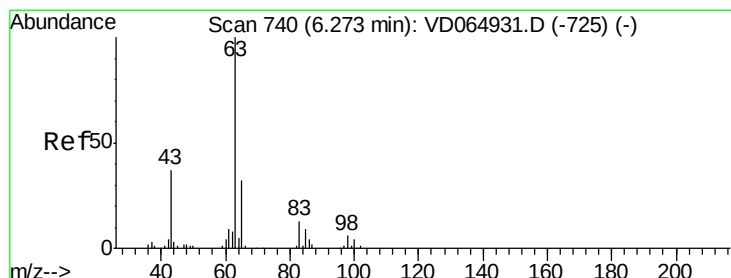
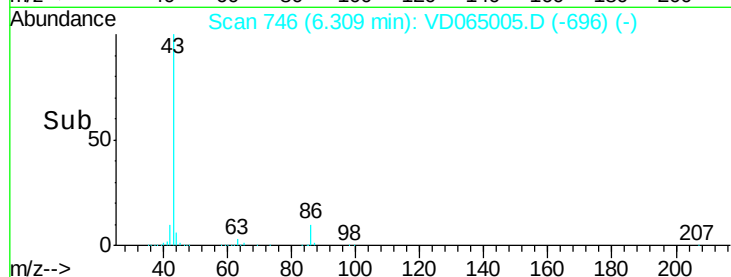
100000

50000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 21.08 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

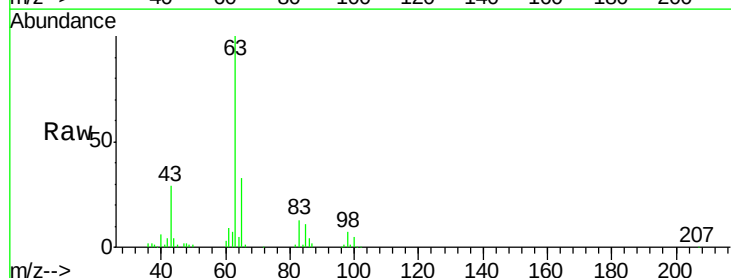
Tgt Ion: 63 Resp: 163228

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.3

100 4.7 2.3 6.8



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

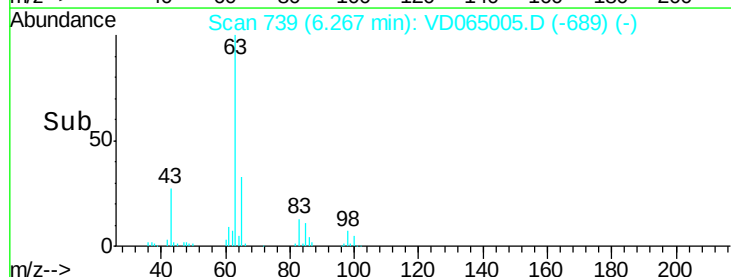
40000

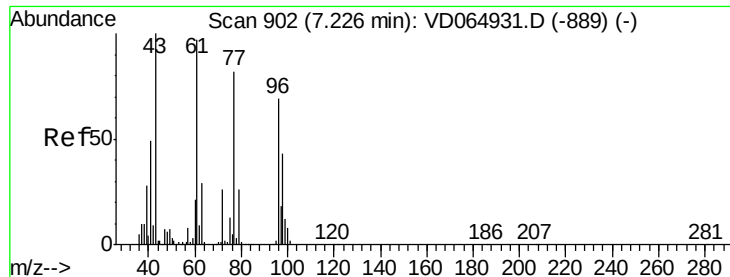
20000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 97.55 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

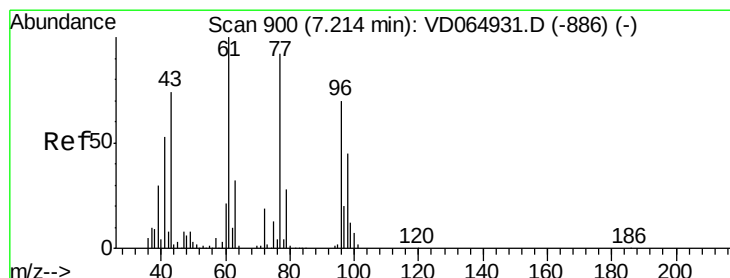
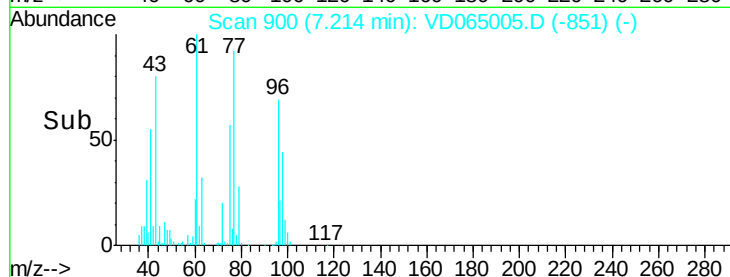
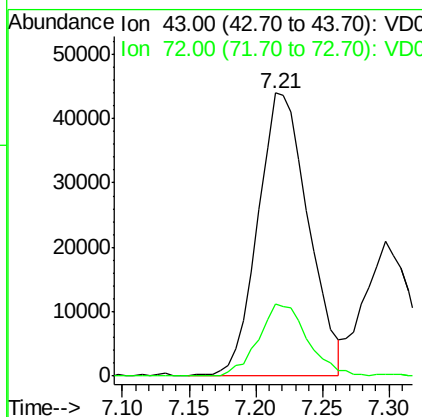
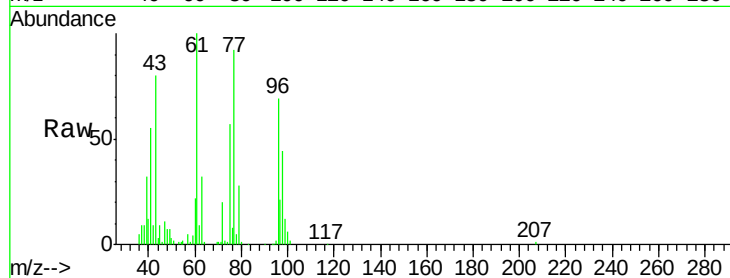
VD0130SBS01

Tgt Ion: 43 Resp: 115240

Ion Ratio Lower Upper

43 100

72 25.6 20.6 31.0



#26

2,2-Dichloropropane

Concen: 21.82 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065005.D

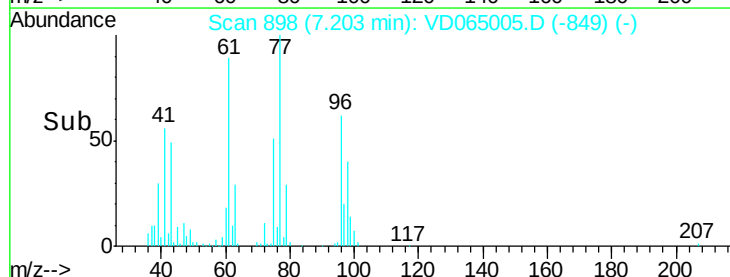
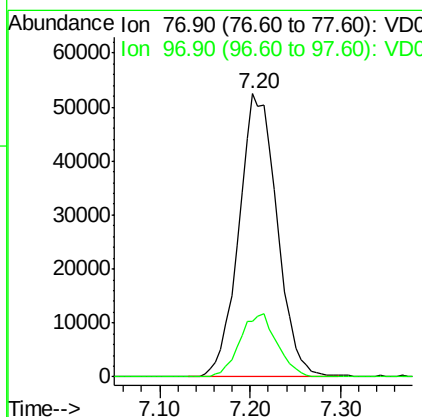
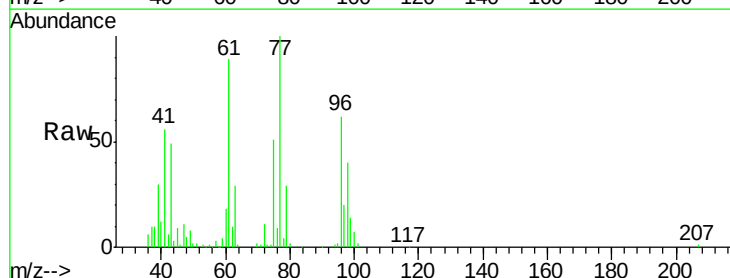
Acq: 30 Jan 2020 11:27

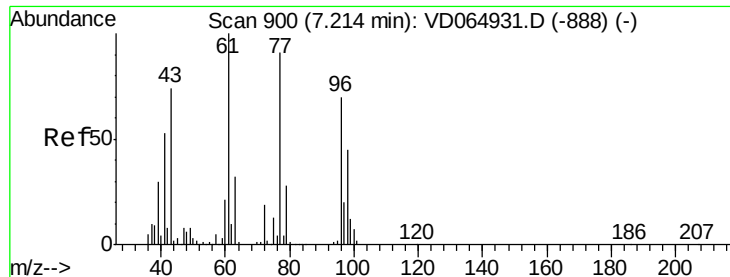
Tgt Ion: 77 Resp: 153261

Ion Ratio Lower Upper

77 100

97 21.7 11.4 34.2

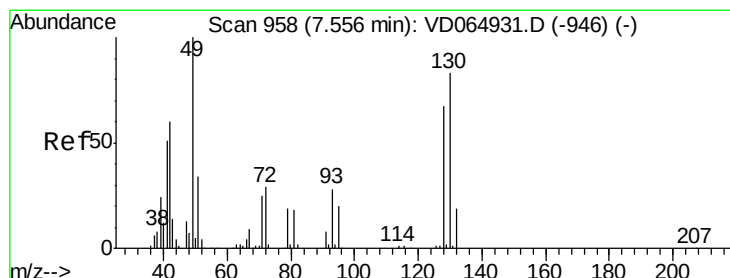
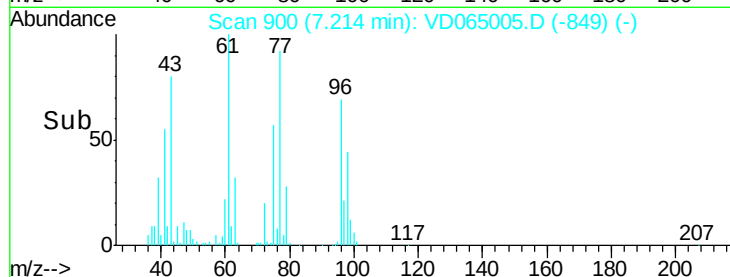
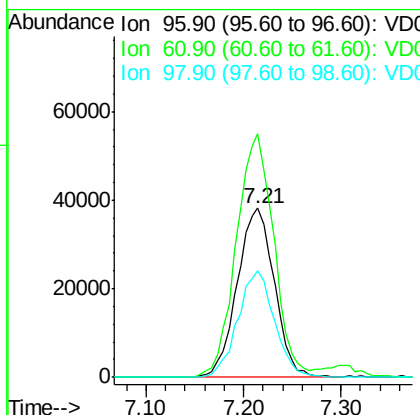
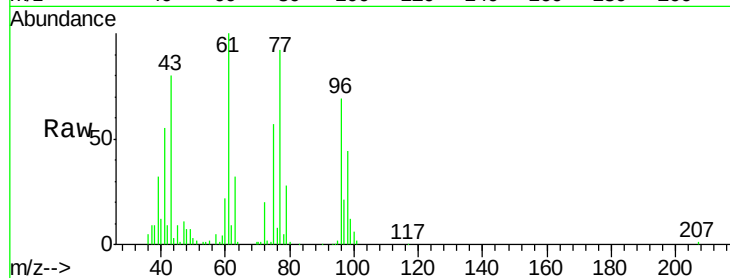




#27
 cis-1,2-Dichloroethene
 Concen: 20.74 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

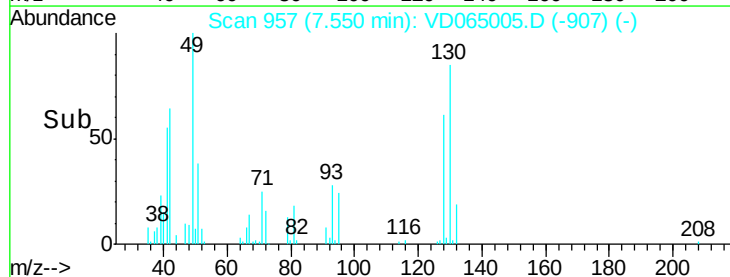
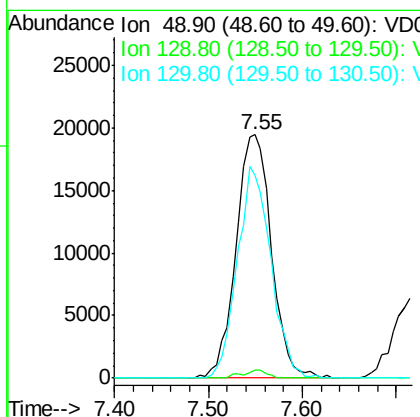
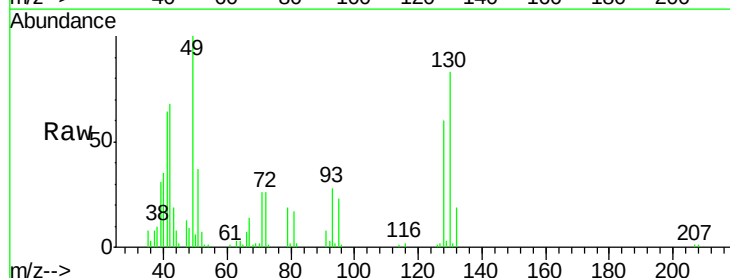
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

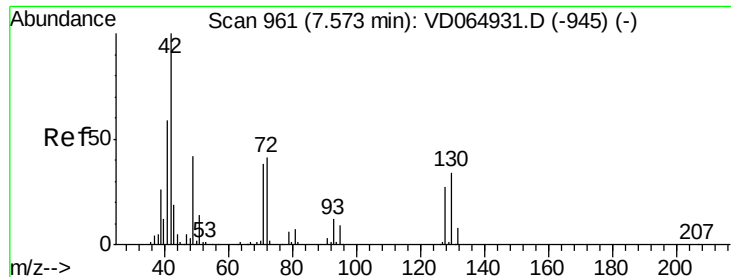
Tgt Ion: 96 Resp: 101200
 Ion Ratio Lower Upper
 96 100
 61 144.0 0.0 292.8
 98 62.3 0.0 130.0



#28
 Bromochloromethane
 Concen: 16.34 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 49 Resp: 50594
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 82.9 63.8 95.8

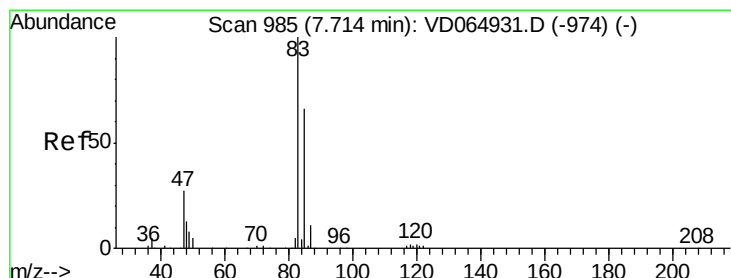
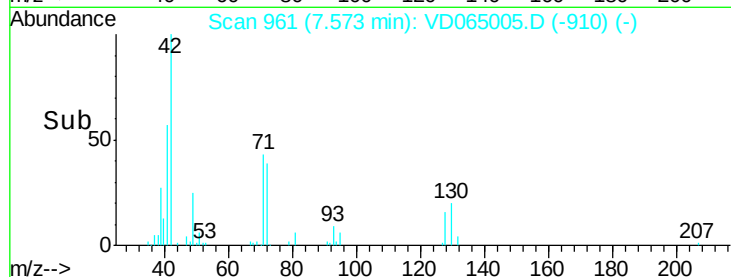
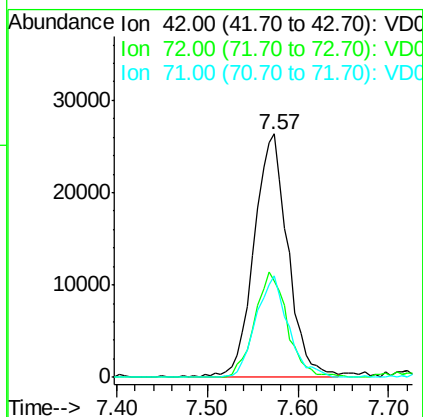
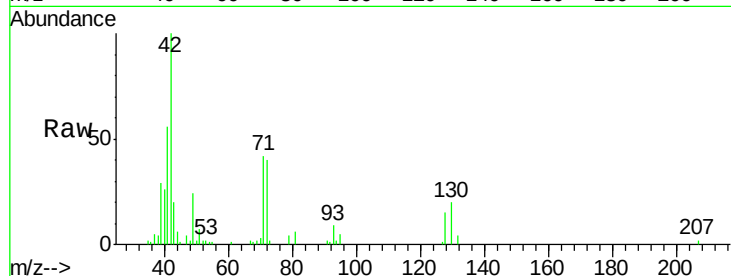




#29
Tetrahydrofuran
Concen: 94.10 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

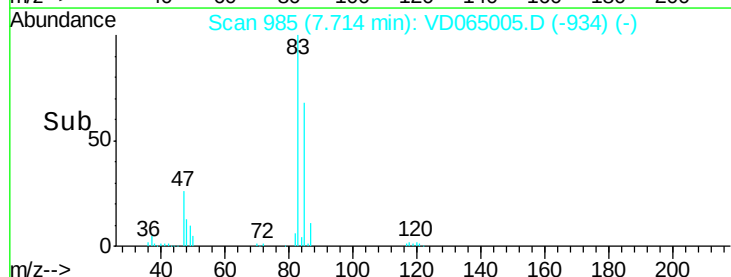
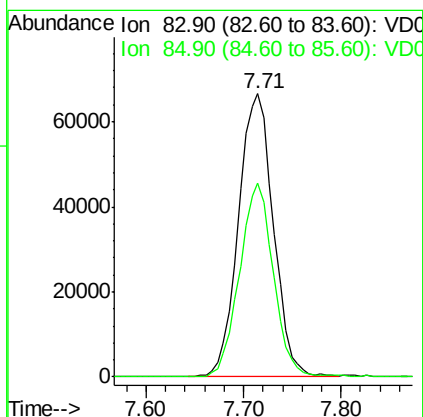
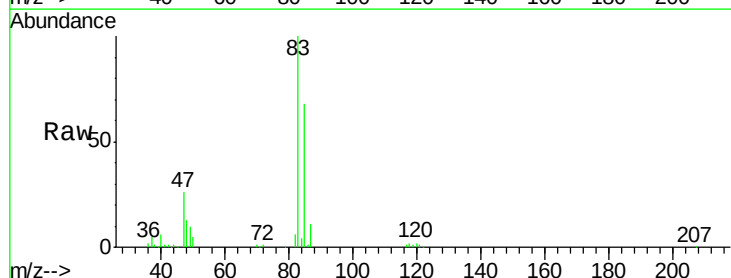
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

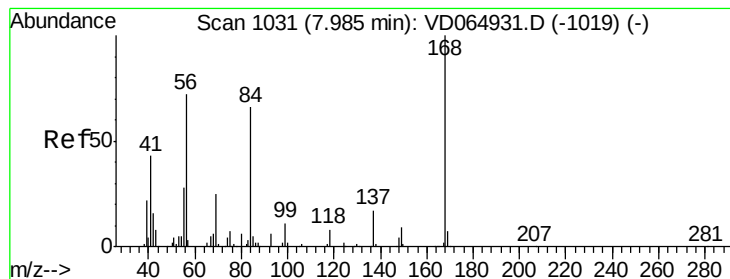
Tgt Ion: 42 Resp: 68591
Ion Ratio Lower Upper
42 100
72 41.6 34.0 51.0
71 39.9 31.5 47.3



#30
Chloroform
Concen: 20.81 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion: 83 Resp: 166557
Ion Ratio Lower Upper
83 100
85 68.3 52.4 78.6





#31

Cyclohexane

Concen: 20.84 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

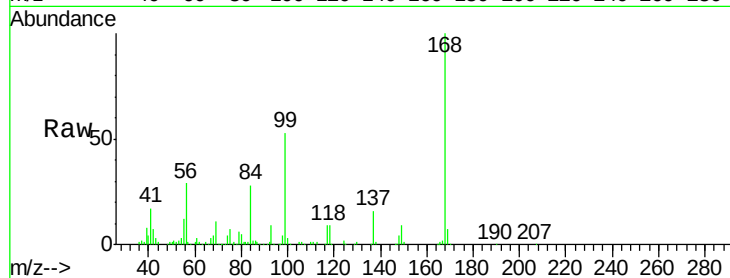
Tgt Ion: 56 Resp: 158788

Ion Ratio Lower Upper

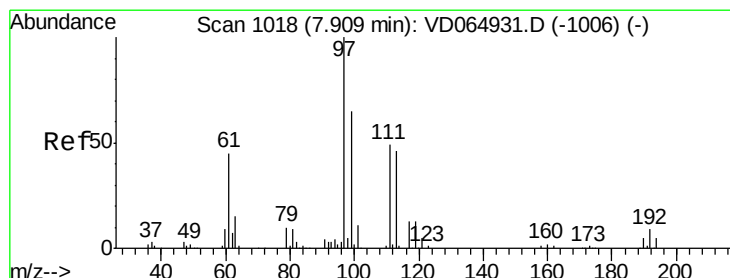
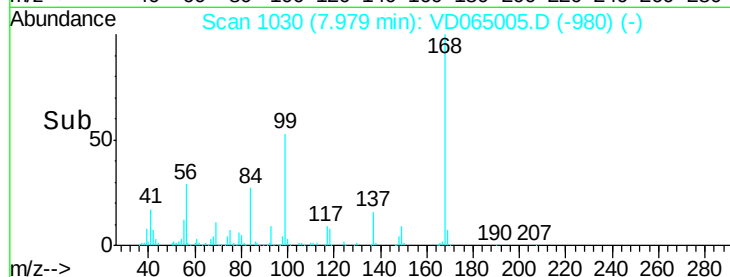
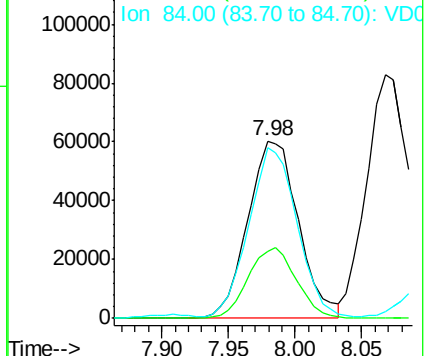
56 100

69 37.1 27.9 41.9

84 94.2 72.8 109.2



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: 21.36 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

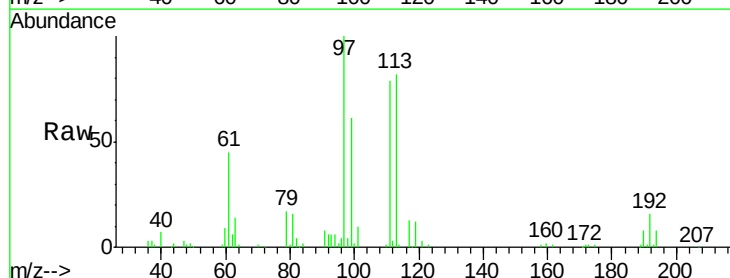
Tgt Ion: 97 Resp: 159042

Ion Ratio Lower Upper

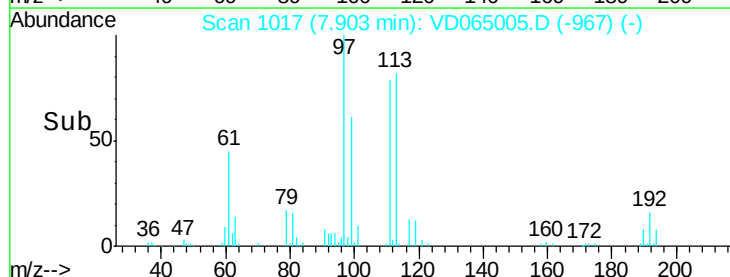
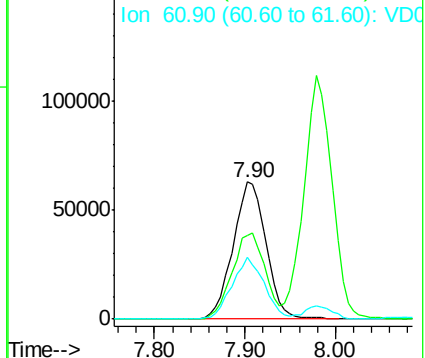
97 100

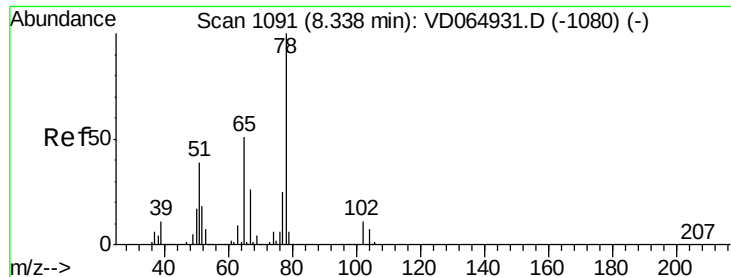
99 62.6 50.6 76.0

61 43.8 35.7 53.5



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

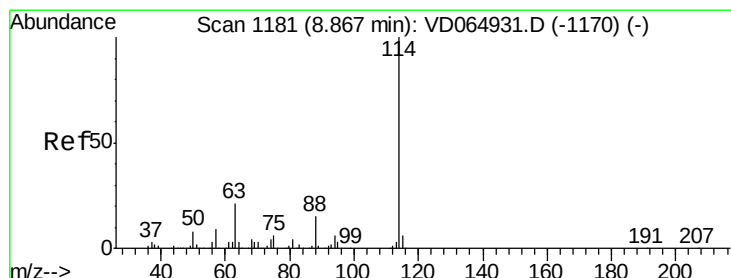
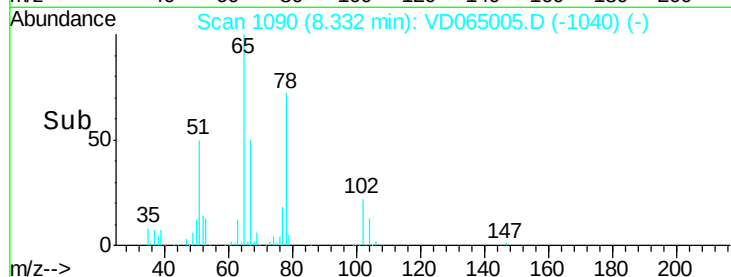
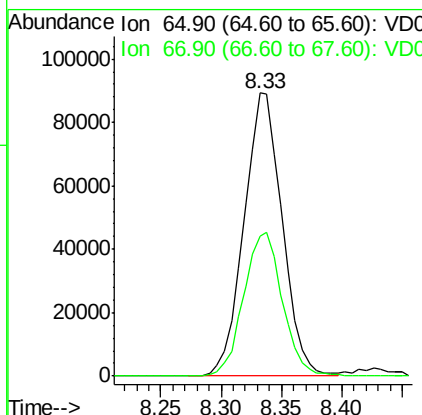
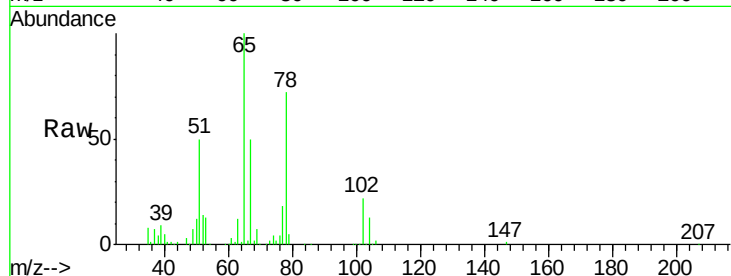




#33
 1,2-Dichloroethane-d4
 Concen: 45.17 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

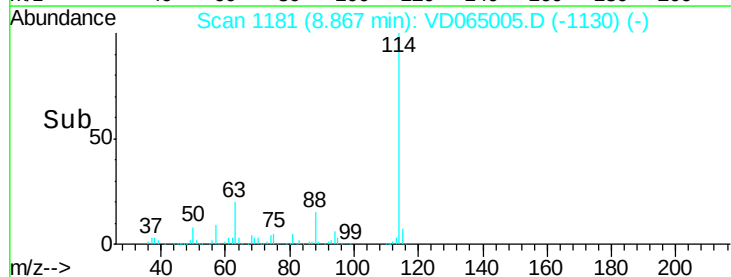
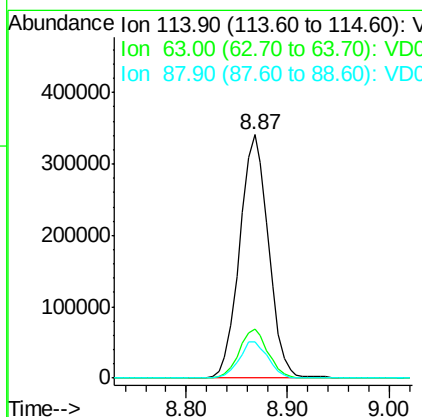
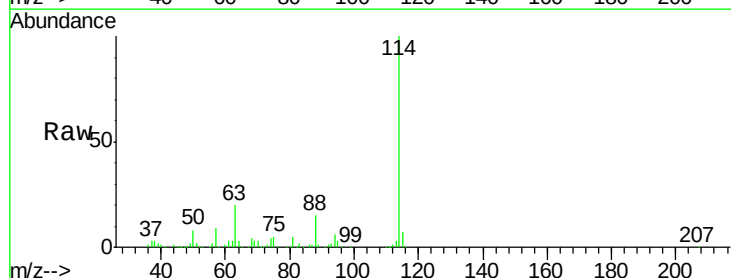
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

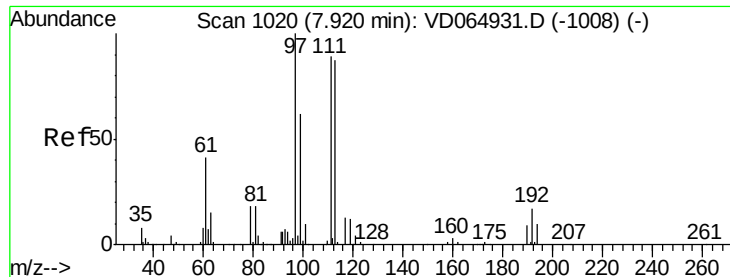
Tgt Ion: 65 Resp: 197522
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 114 Resp: 672297
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.0
 88 15.1 0.0 29.4

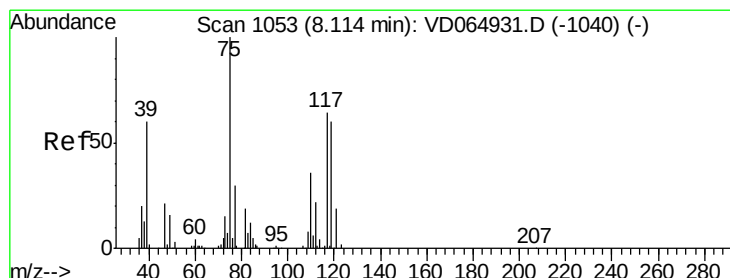
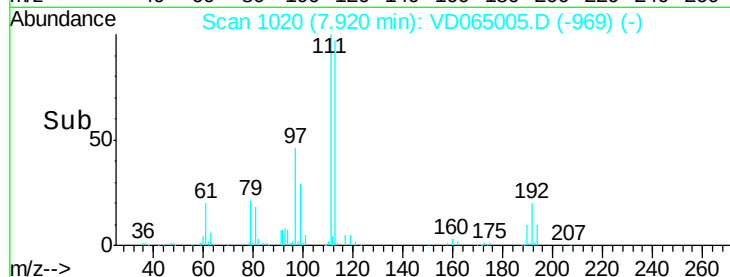
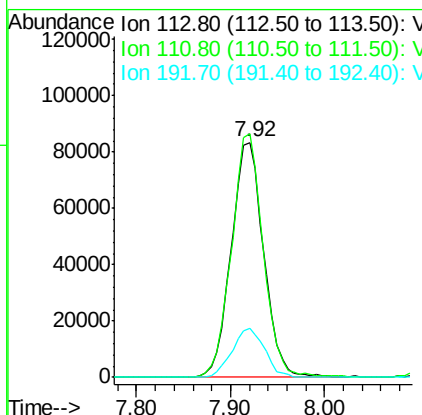
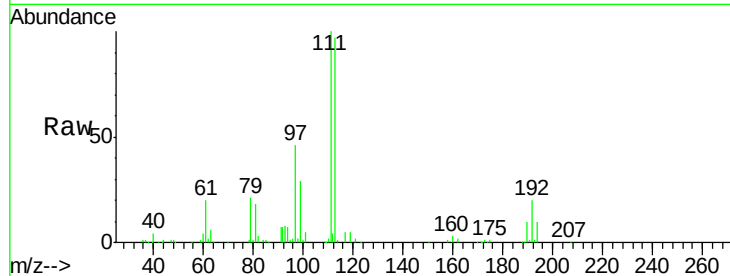




#35
 Dibromofluoromethane
 Concen: 47.33 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

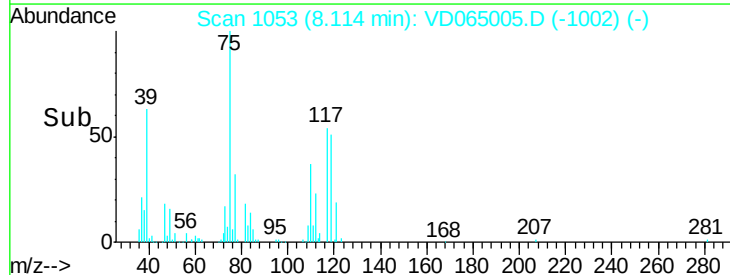
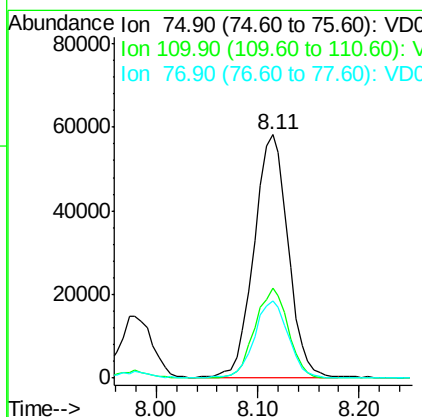
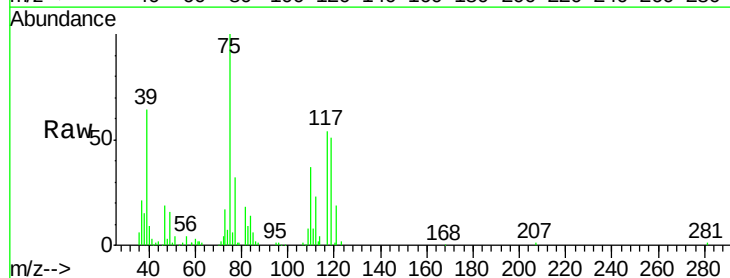
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

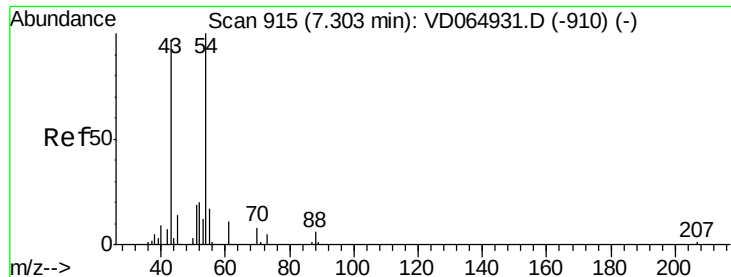
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	199969		
111	101.0	82.4	123.6	
192	21.0	16.9	25.3	



#36
 1,1-Dichloropropene
 Concen: 21.05 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136444		
110	35.9	17.3	52.0	
77	31.4	24.7	37.1	

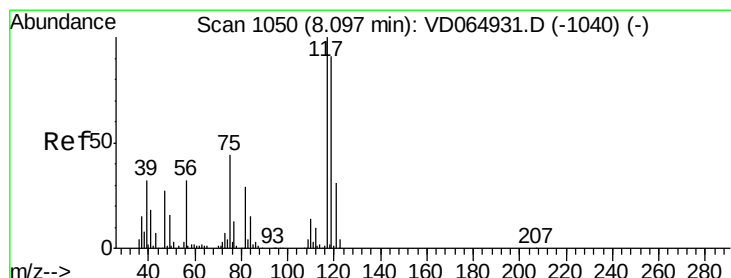
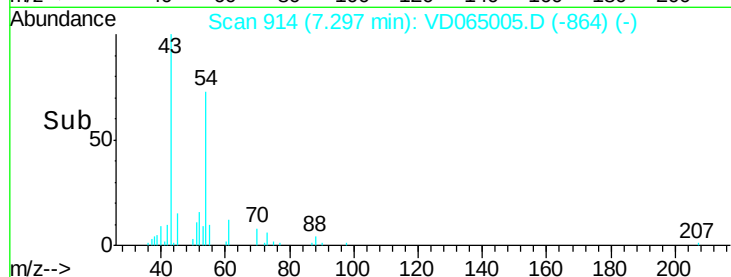
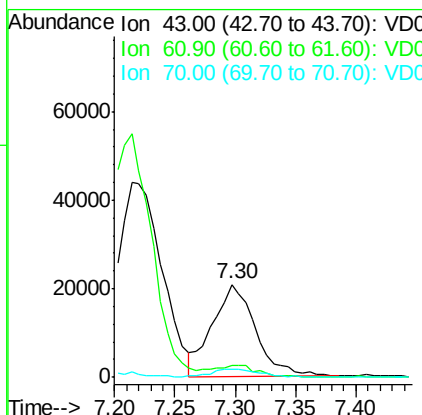
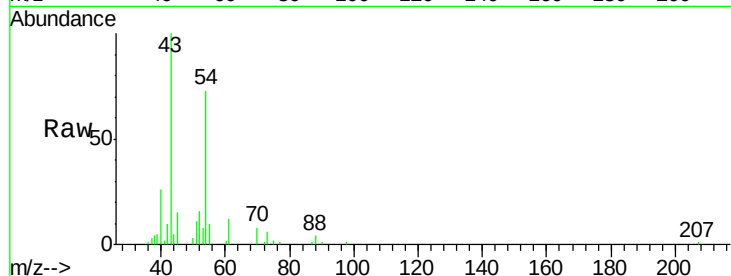




#37
Ethyl Acetate
Concen: 19.23 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

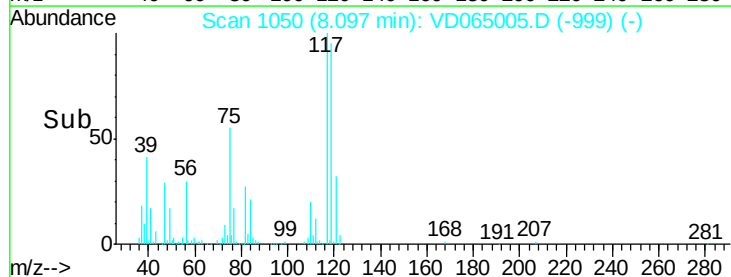
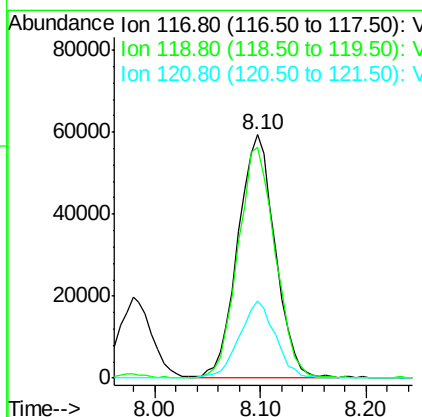
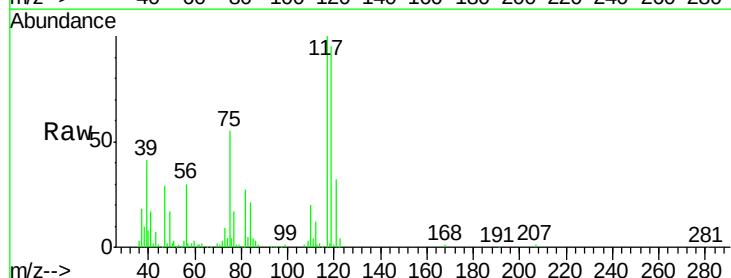
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

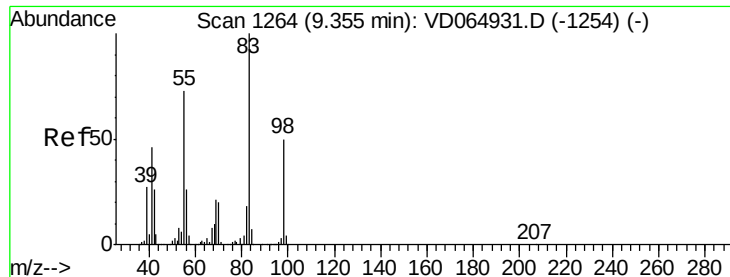
Tgt Ion: 43 Resp: 51482
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.4
70 10.4 7.5 11.3



#38
Carbon Tetrachloride
Concen: 21.27 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion: 117 Resp: 145760
Ion Ratio Lower Upper
117 100
119 94.8 73.2 109.8
121 31.8 24.4 36.6

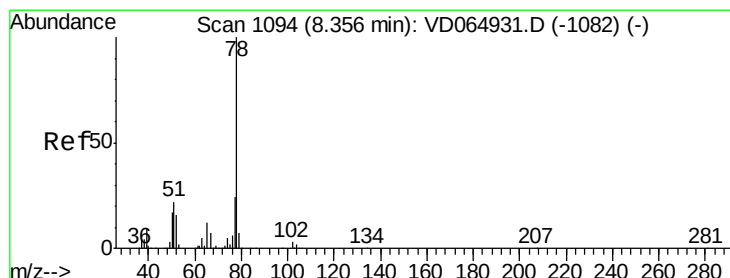
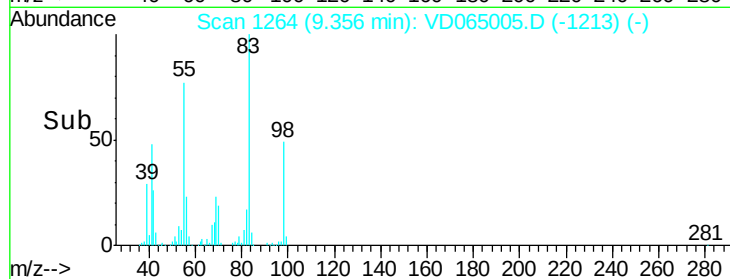
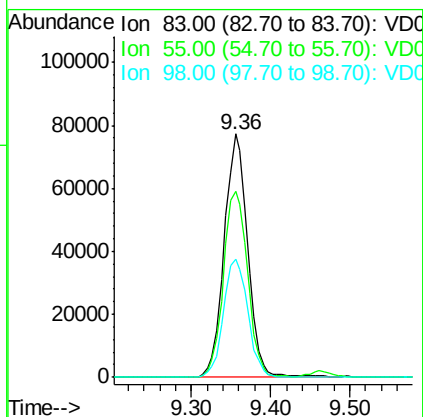
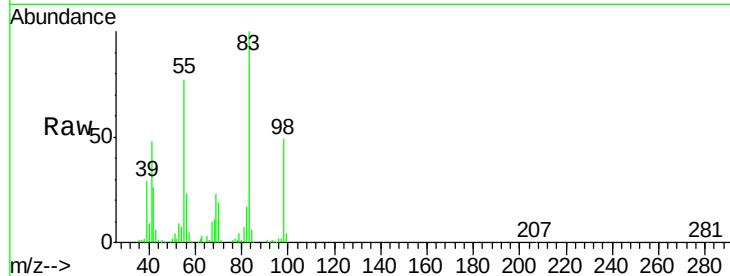




#39
Methylcyclohexane
Concen: 20.88 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

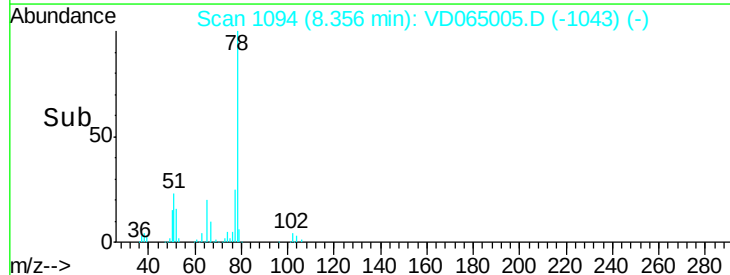
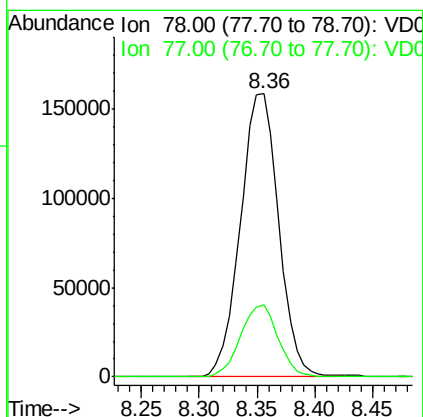
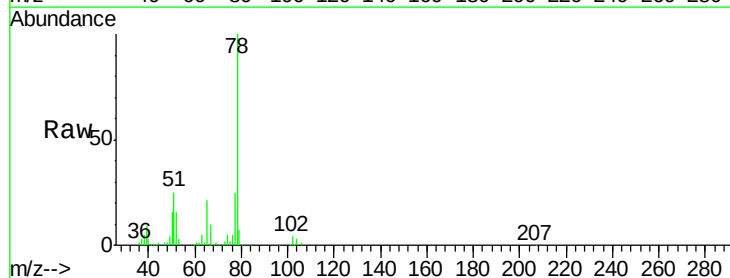
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

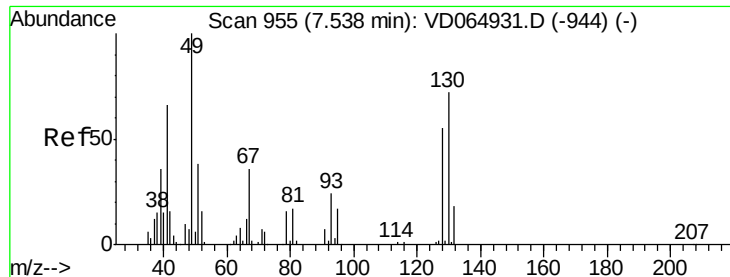
Tgt Ion: 83 Resp: 158291
Ion Ratio Lower Upper
83 100
55 76.5 58.7 88.1
98 48.8 40.2 60.2



#40
Benzene
Concen: 20.50 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion: 78 Resp: 365959
Ion Ratio Lower Upper
78 100
77 25.3 19.2 28.8

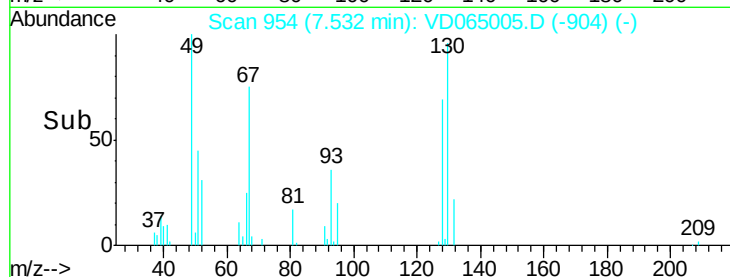
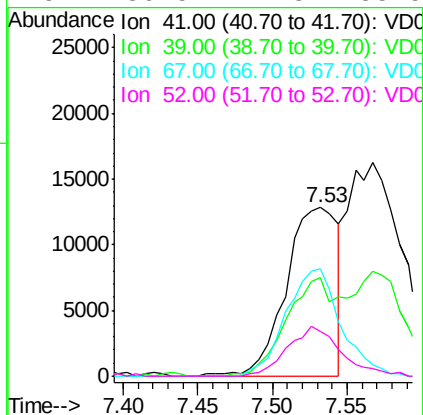
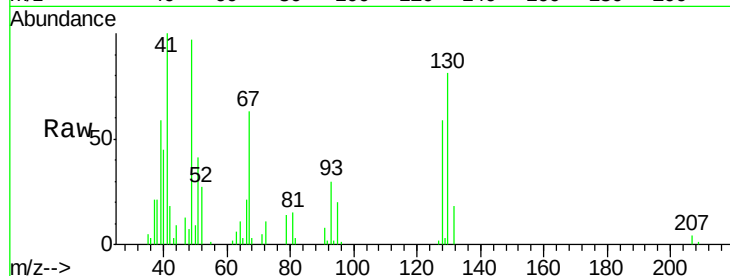




#41
Methacrylonitrile
Concen: 21.58 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

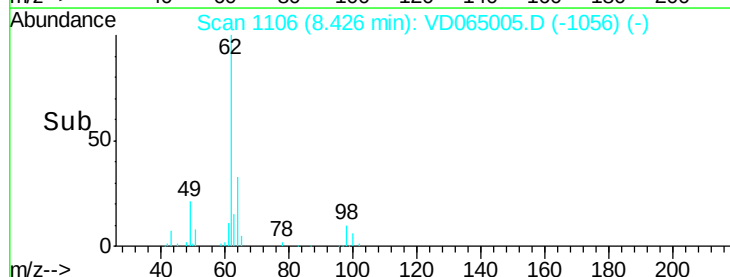
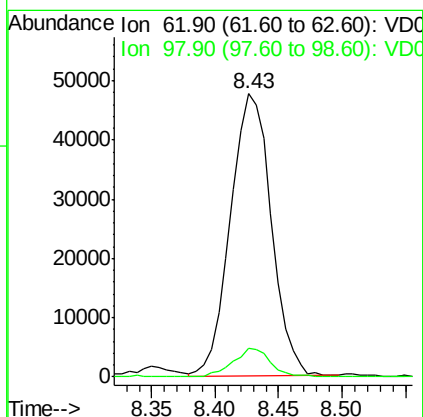
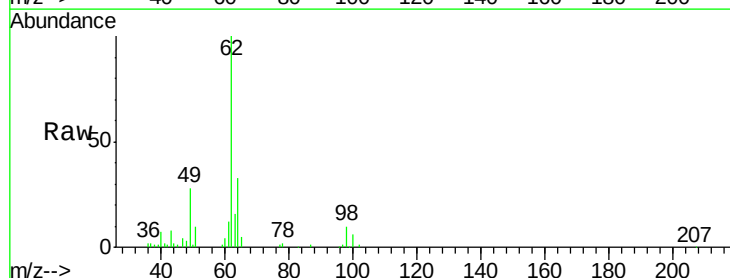
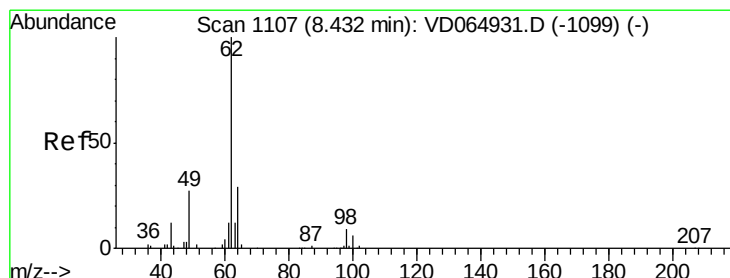
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

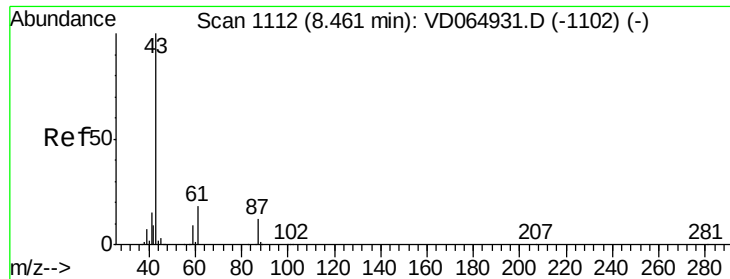
Tgt Ion:	41	Resp:	31128
Ion	Ratio	Lower	Upper
41	100		
39	61.5	49.3	73.9
67	67.1	51.0	76.6
52	30.5	22.3	33.5



#42
1,2-Dichloroethane
Concen: 20.05 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion:	62	Resp:	106635
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.8





#43

Isopropyl Acetate

Concen: 18.87 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

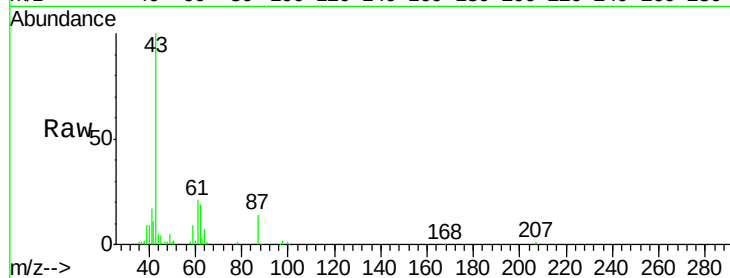
Tgt Ion: 43 Resp: 95963

Ion Ratio Lower Upper

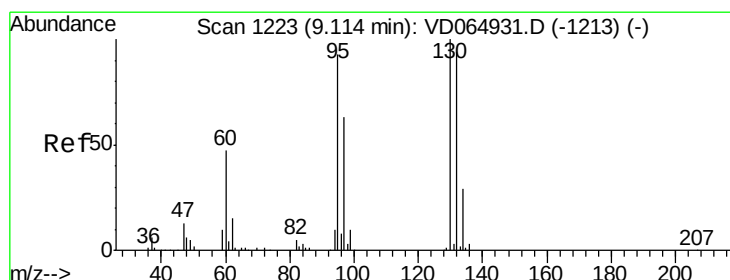
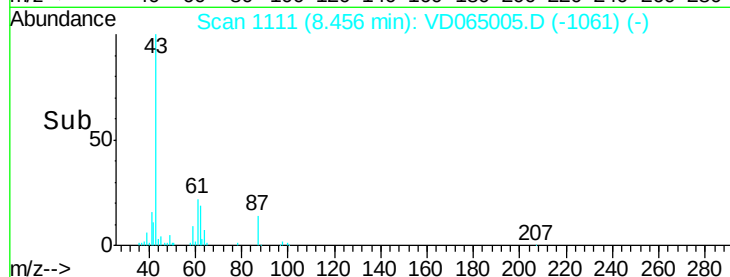
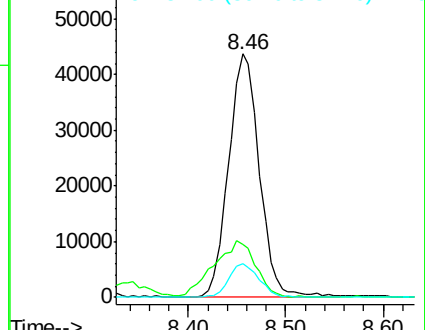
43 100

61 31.5 23.8 35.6

87 13.4 10.3 15.5



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



#44

Trichloroethene

Concen: 20.78 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065005.D

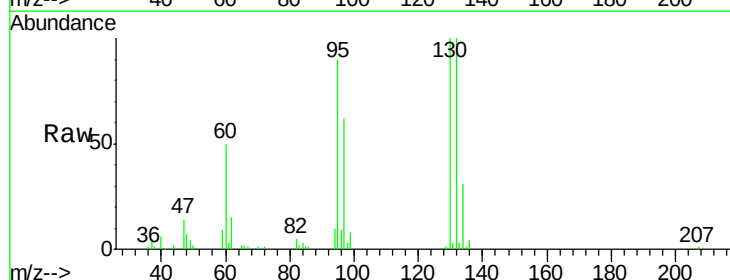
Acq: 30 Jan 2020 11:27

Tgt Ion: 130 Resp: 103846

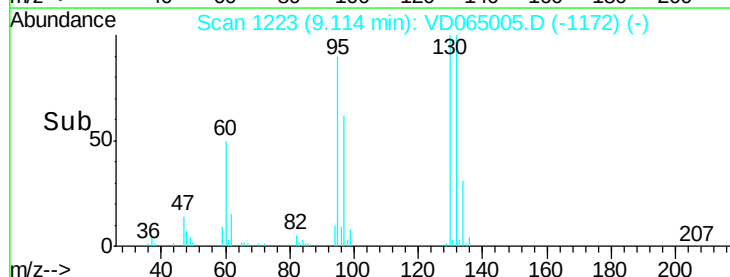
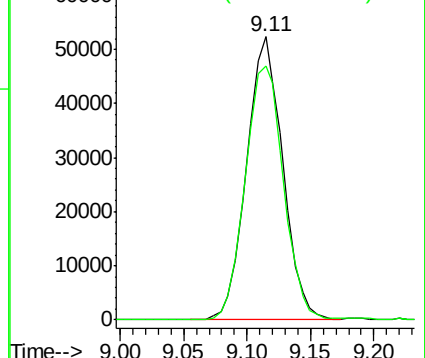
Ion Ratio Lower Upper

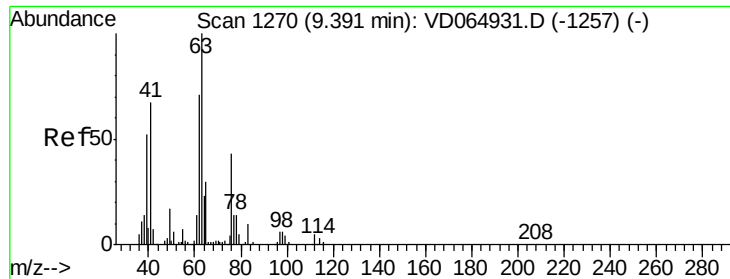
130 100

95 89.6 0.0 185.8



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





#45

1,2-Dichloropropane

Concen: 20.79 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

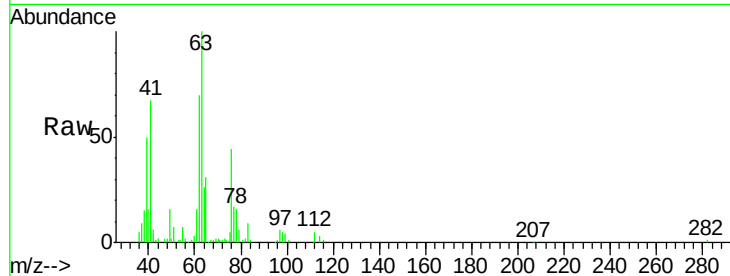
VD0130SBS01

Tgt Ion: 63 Resp: 90000

Ion Ratio Lower Upper

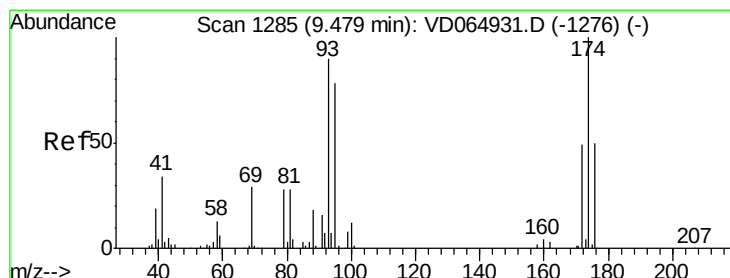
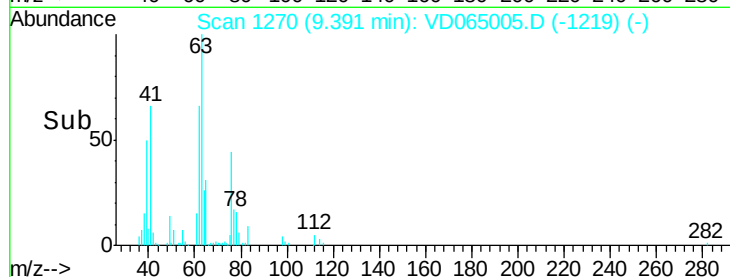
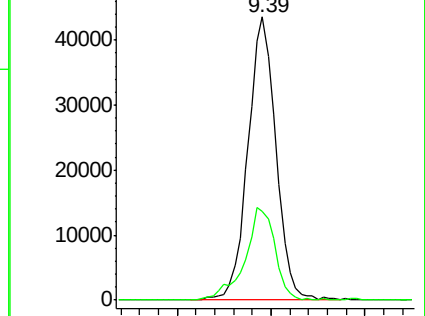
63 100

65 31.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.65 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

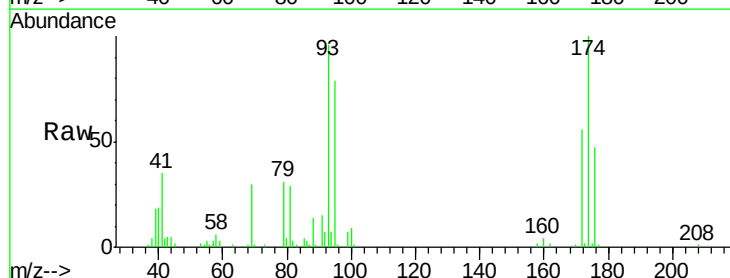
Tgt Ion: 93 Resp: 46425

Ion Ratio Lower Upper

93 100

95 85.7 67.5 101.3

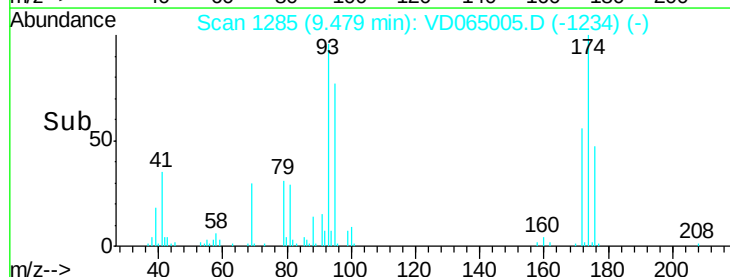
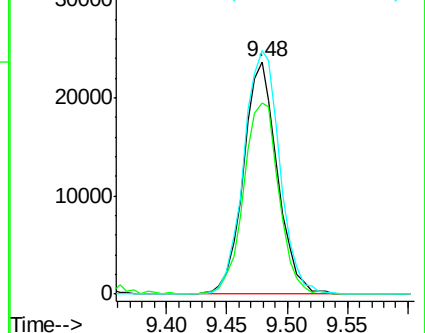
174 111.1 88.4 132.6

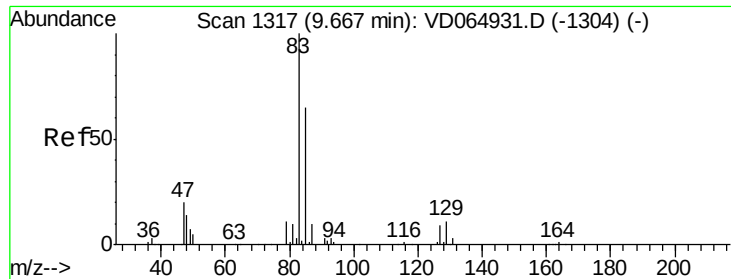


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.86 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

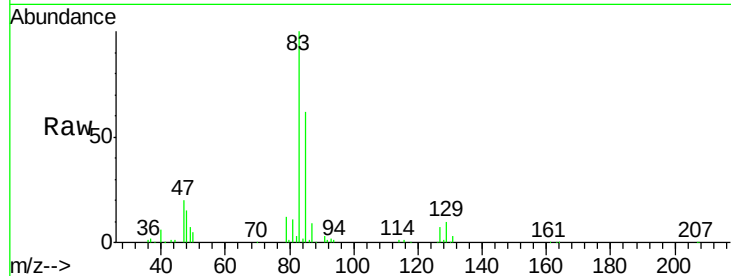
Tgt Ion: 83 Resp: 128244

Ion Ratio Lower Upper

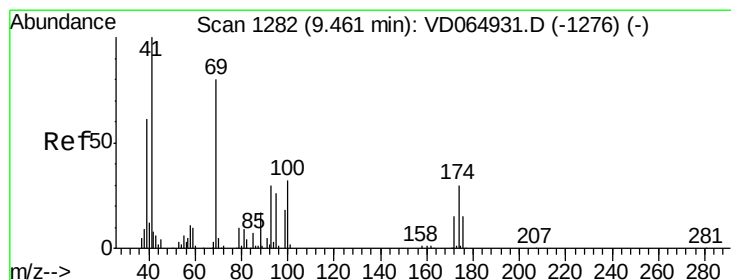
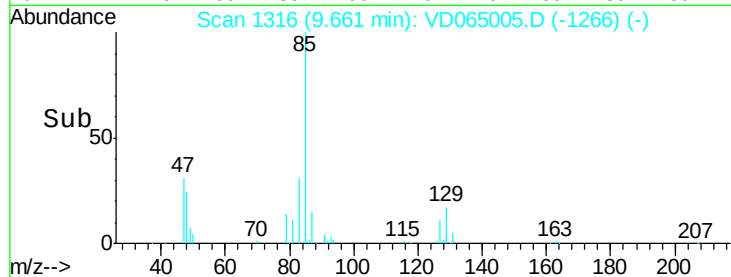
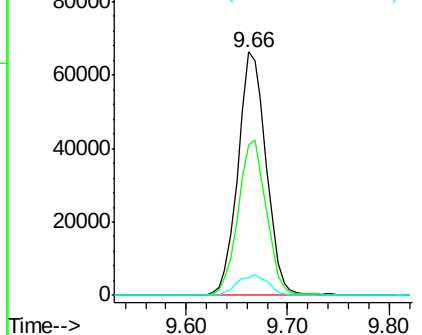
83 100

85 61.6 52.0 78.0

127 7.1 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): V



#48

Methyl methacrylate

Concen: 20.37 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

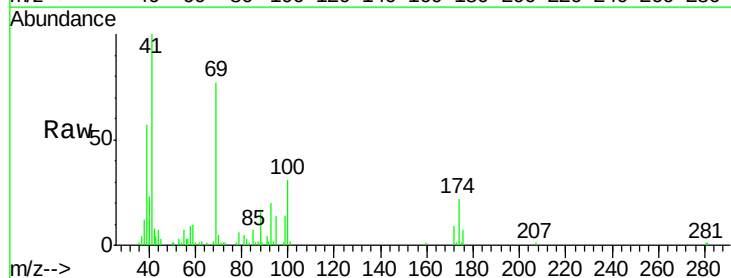
Tgt Ion: 41 Resp: 47682

Ion Ratio Lower Upper

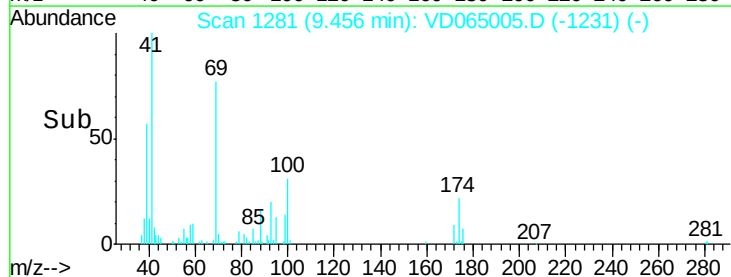
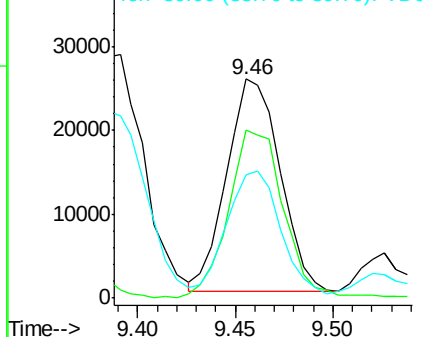
41 100

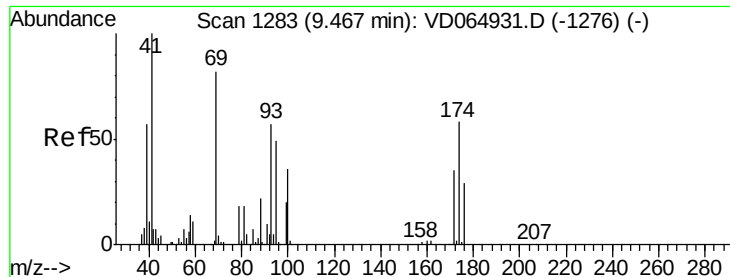
69 82.9 65.8 98.8

39 57.3 49.4 74.0



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

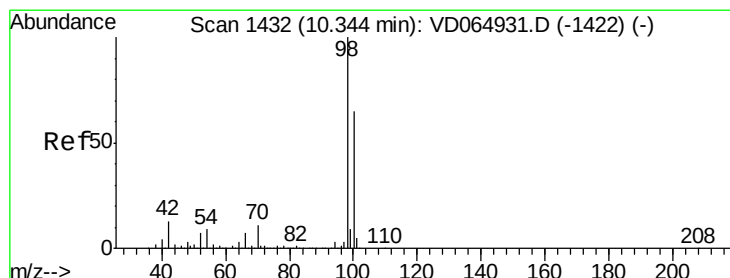
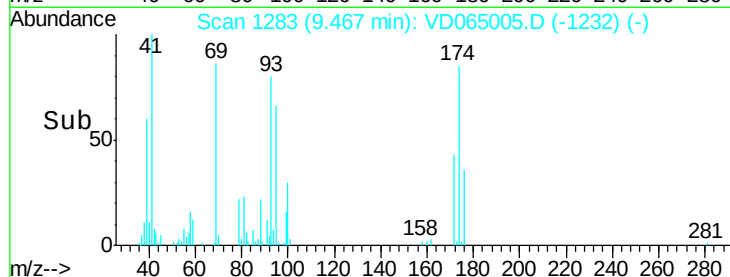
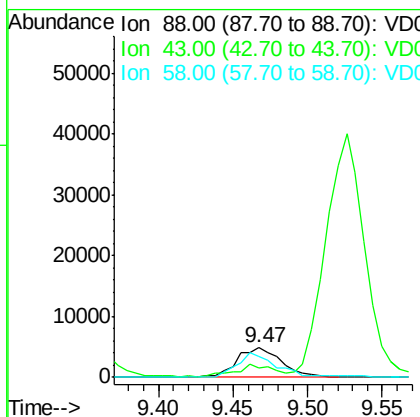
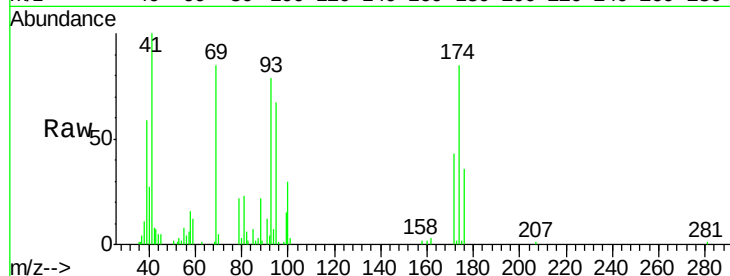




#49
1,4-Dioxane
Concen: 365.75 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

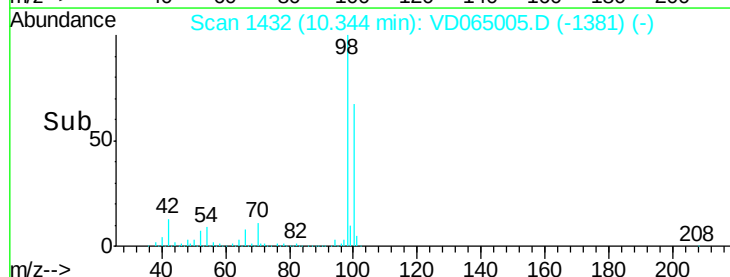
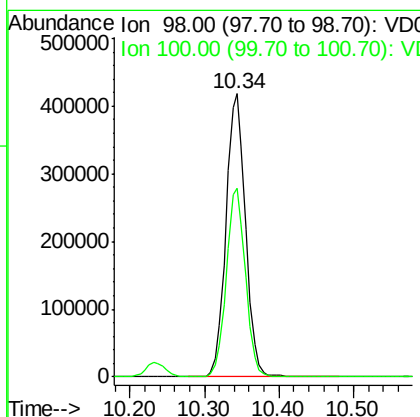
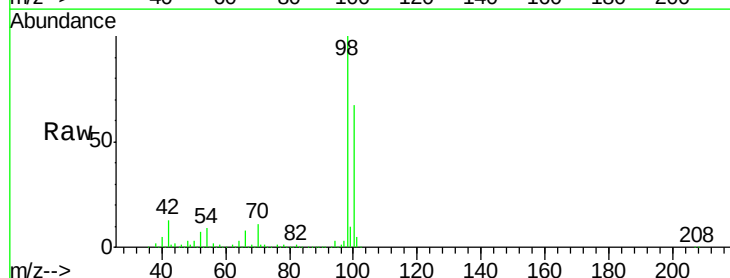
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

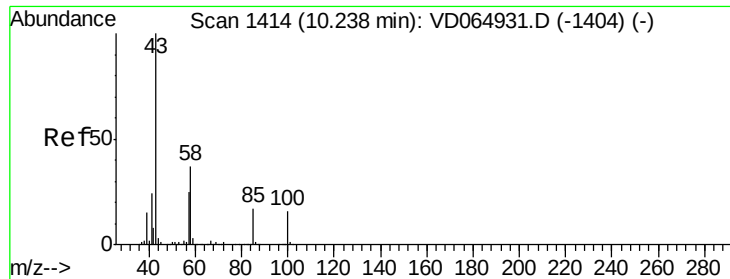
Tgt Ion: 88 Resp: 10024
Ion Ratio Lower Upper
88 100
43 39.7 26.2 39.4#
58 74.1 50.3 75.5



#50
Toluene-d8
Concen: 46.71 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion: 98 Resp: 761722
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

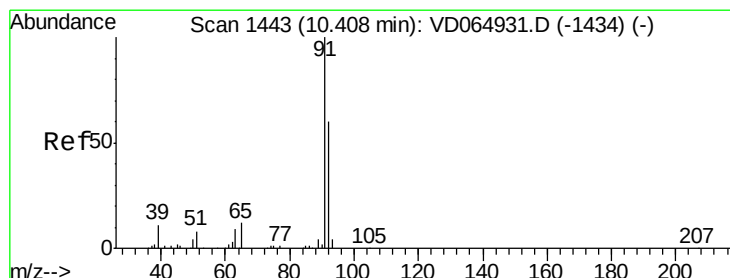
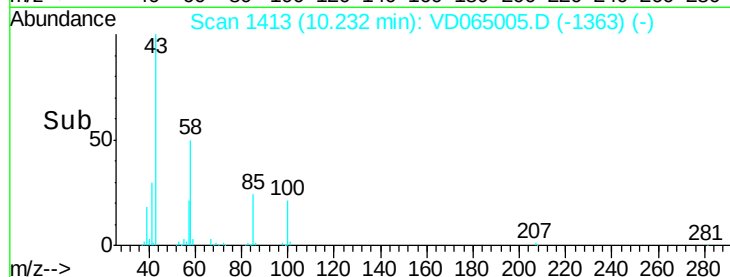
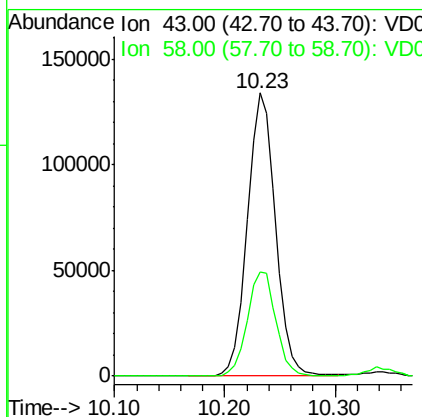
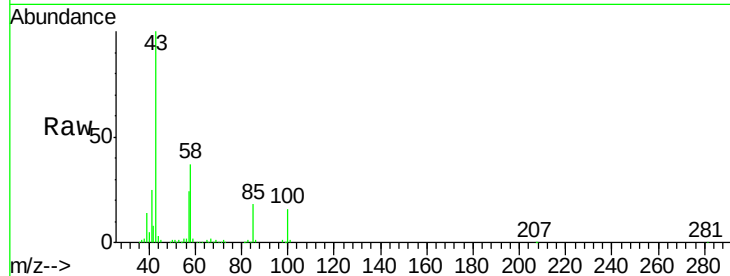




#51
 4-Methyl-2-Pentanone
 Concen: 94.35 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

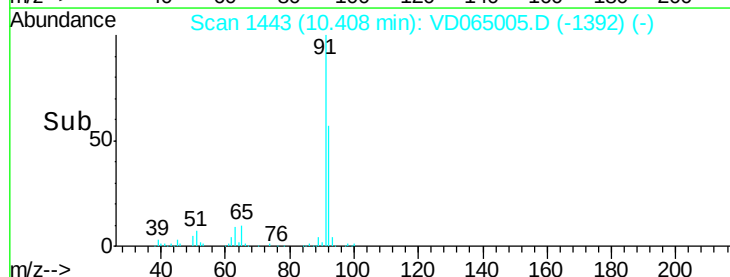
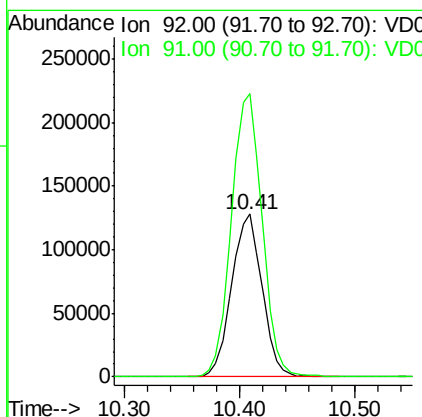
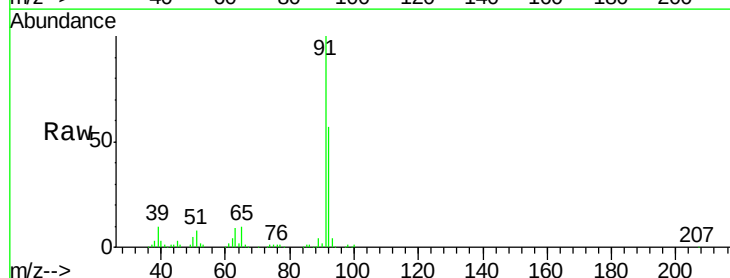
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

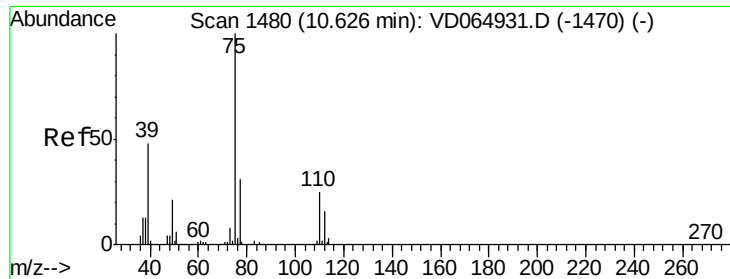
Tgt Ion: 43 Resp: 240137
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.4 45.6



#52
 Toluene
 Concen: 20.33 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 92 Resp: 234023
 Ion Ratio Lower Upper
 92 100
 91 176.0 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 19.70 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

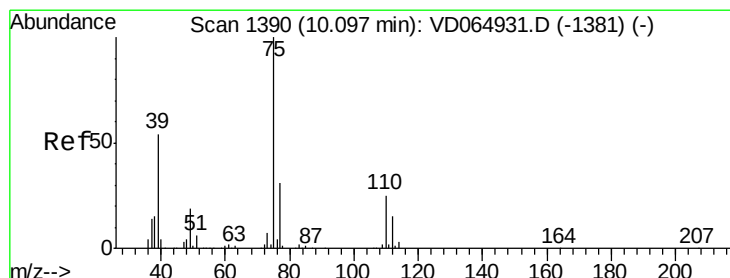
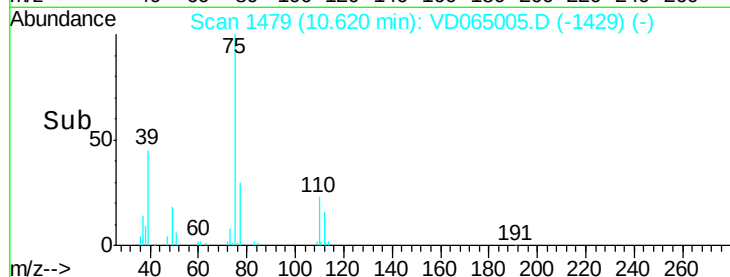
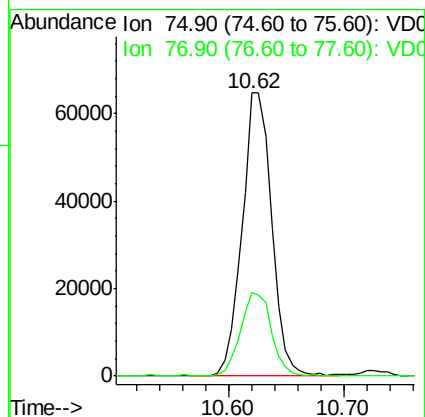
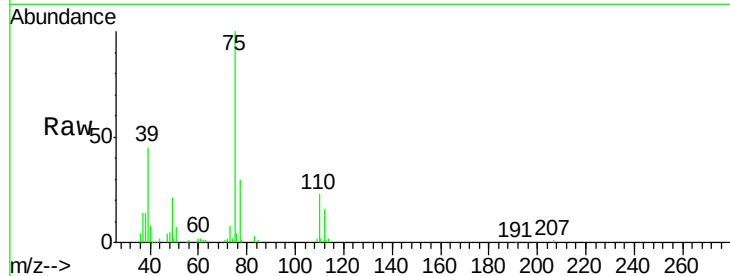
VD0130SBS01

Tgt Ion: 75 Resp: 115414

Ion Ratio Lower Upper

75 100

77 29.6 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.41 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

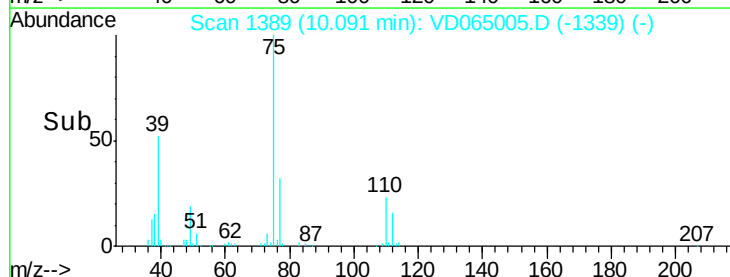
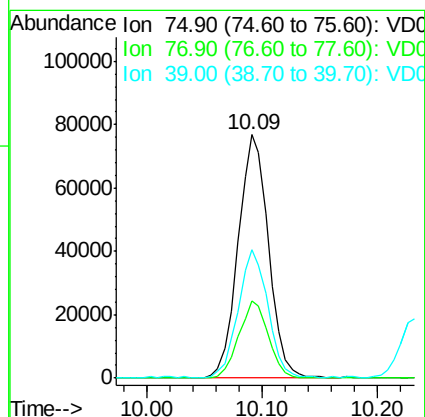
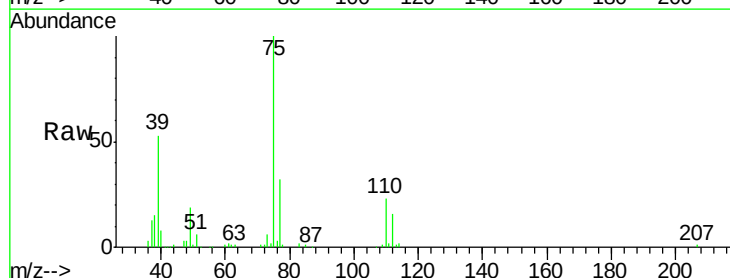
Tgt Ion: 75 Resp: 139986

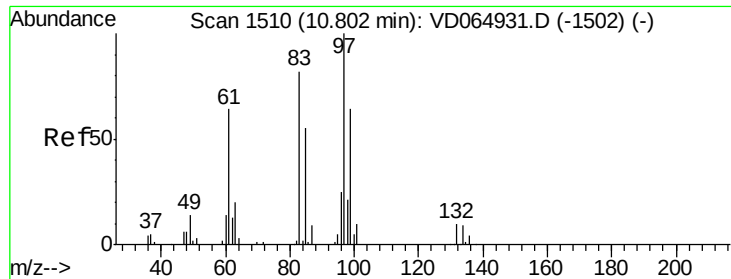
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 52.6 43.0 64.6

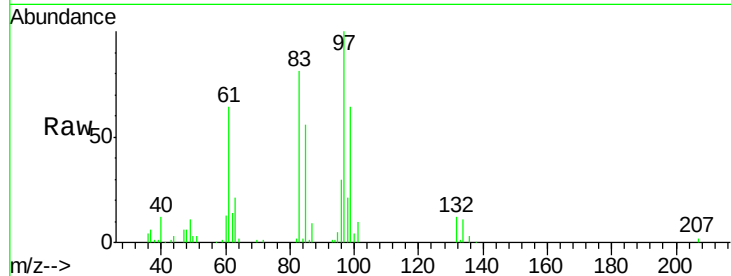




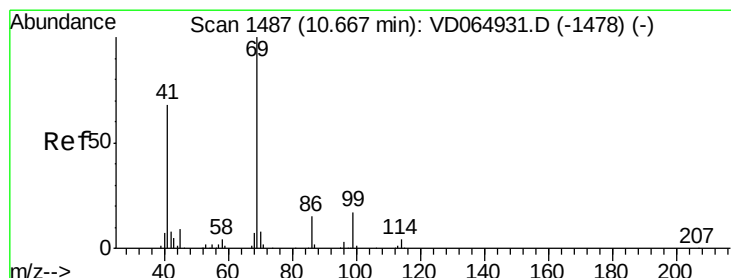
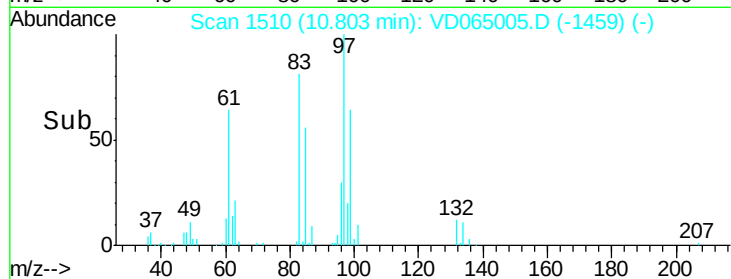
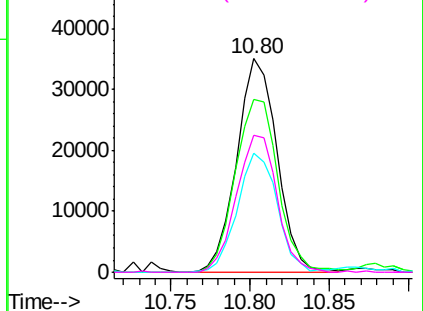
#55
 1,1,2-Trichloroethane
 Concen: 19.51 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tgt Ion:	97	Resp:	62092
Ion	Ratio	Lower	Upper
97	100		
83	80.9	66.0	99.0
85	55.5	44.4	66.6
99	64.4	51.4	77.0

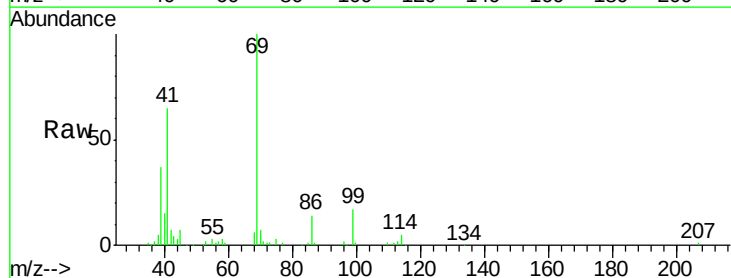


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

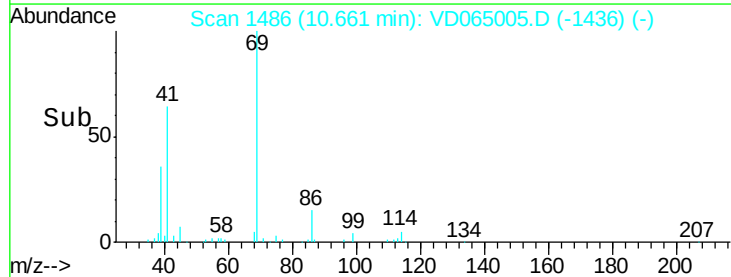
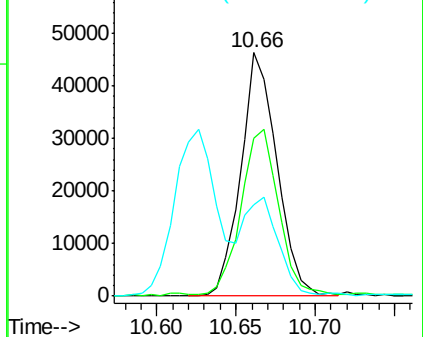


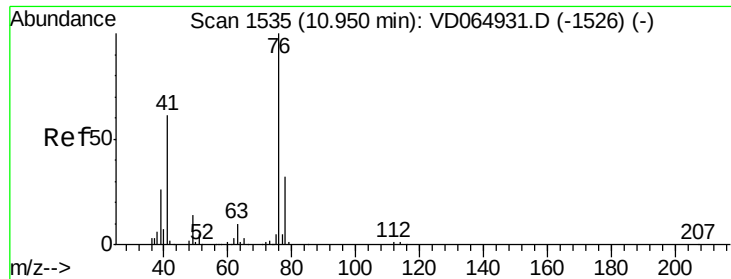
#56
 Ethyl methacrylate
 Concen: 19.28 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion:	69	Resp:	73402
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.4	84.6
39	38.7	30.6	46.0



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

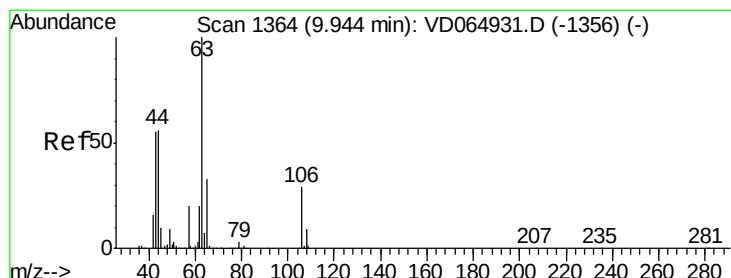
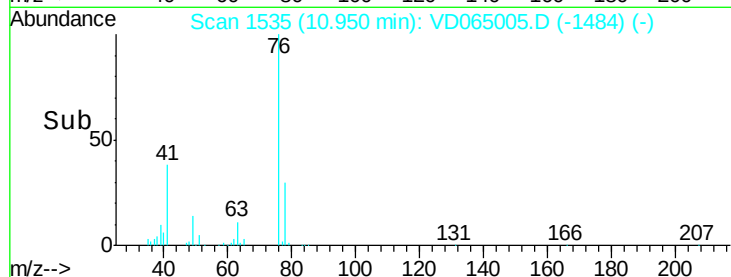
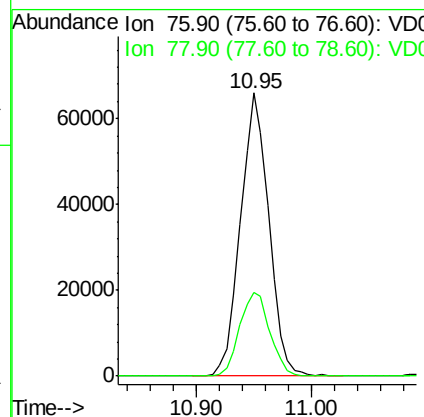
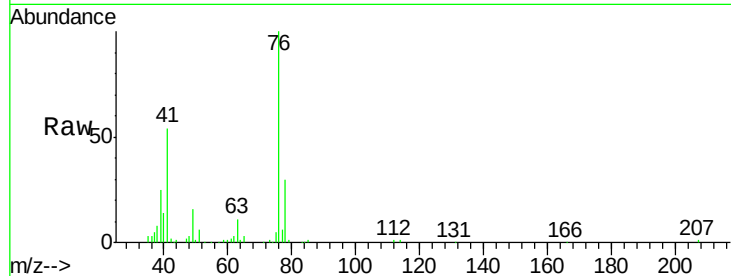




#57
 1,3-Dichloropropane
 Concen: 20.56 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

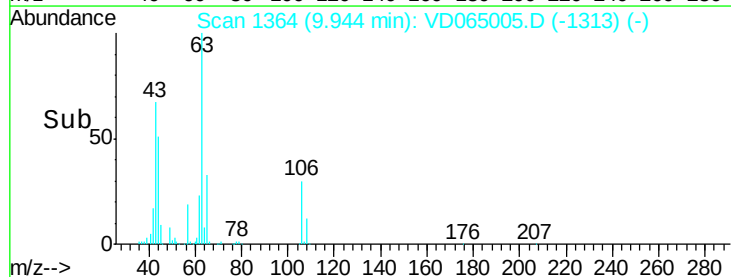
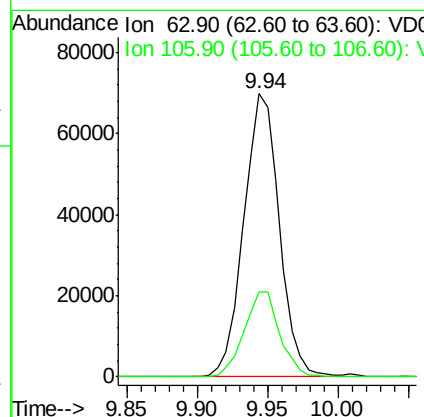
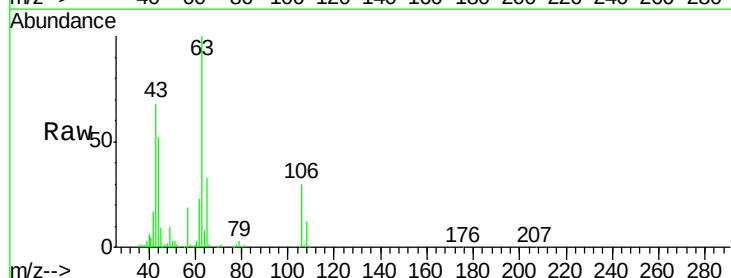
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

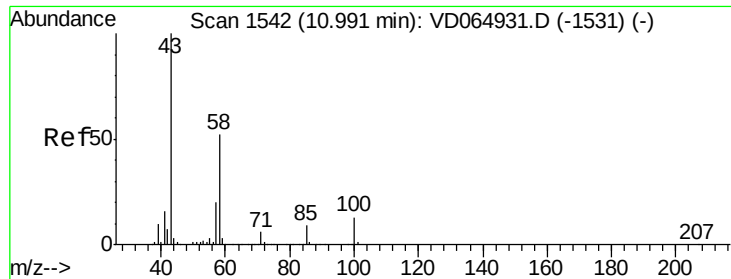
Tgt Ion: 76 Resp: 112256
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.69 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 63 Resp: 123536
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.0 34.4





#59

2-Hexanone

Concen: 95.20 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

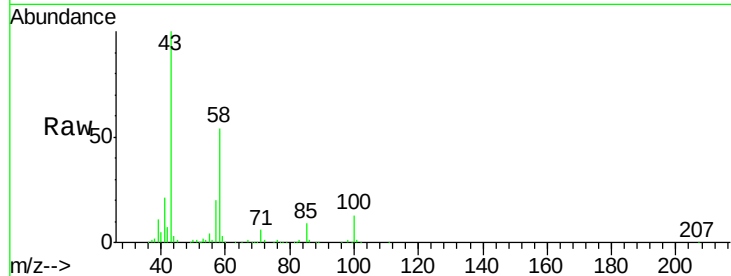
VD0130SBS01

Tgt Ion: 43 Resp: 167134

Ion Ratio Lower Upper

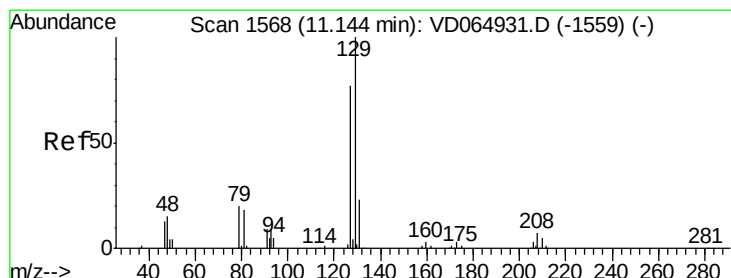
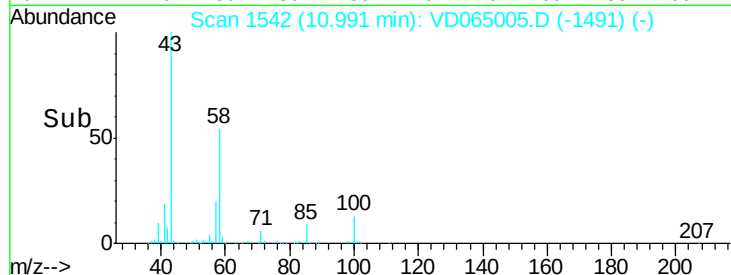
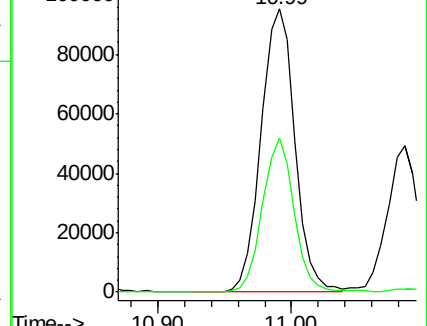
43 100

58 51.0 26.5 79.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 19.87 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065005.D

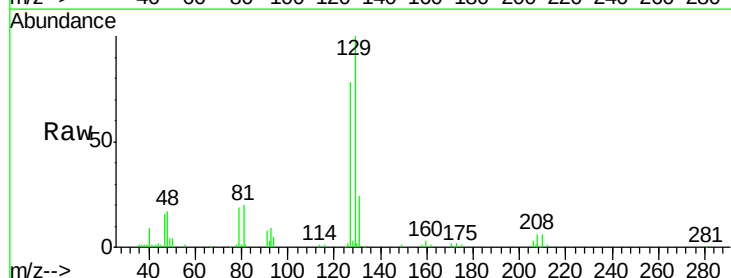
Acq: 30 Jan 2020 11:27

Tgt Ion: 129 Resp: 84533

Ion Ratio Lower Upper

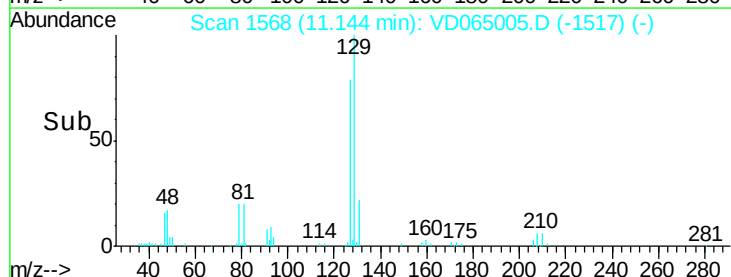
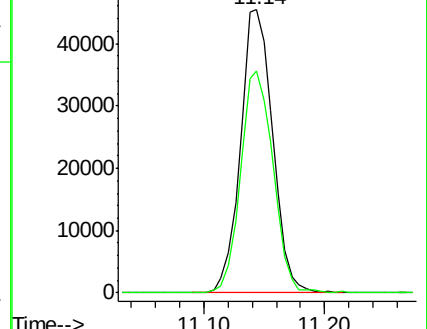
129 100

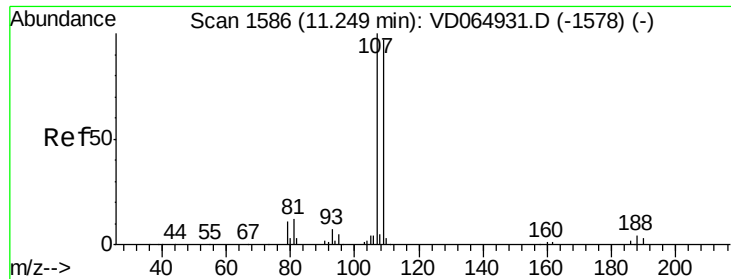
127 78.7 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

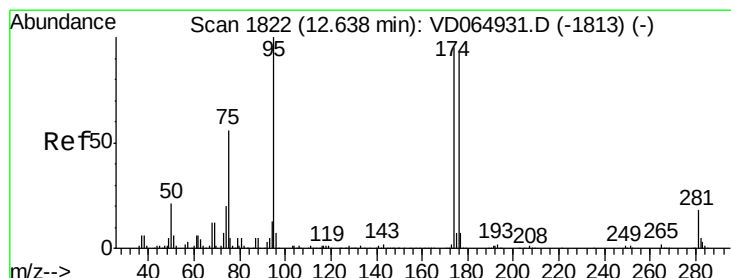
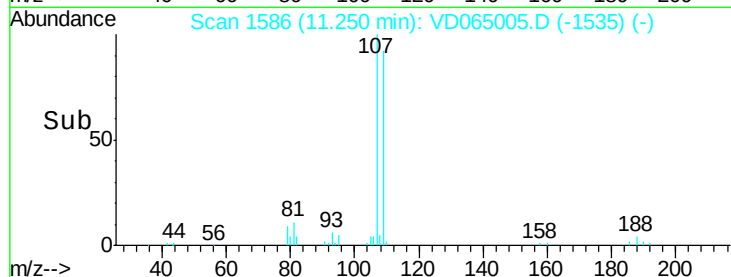
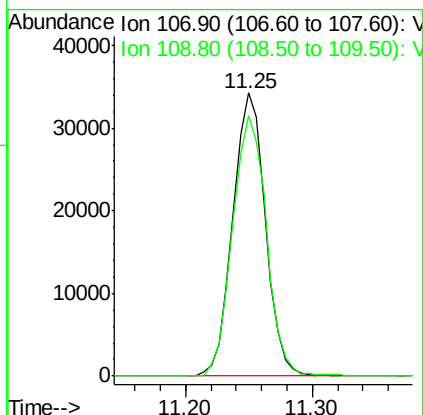
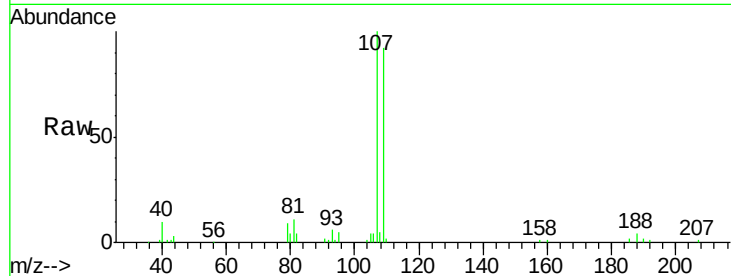




#61
 1,2-Dibromoethane
 Concen: 19.81 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

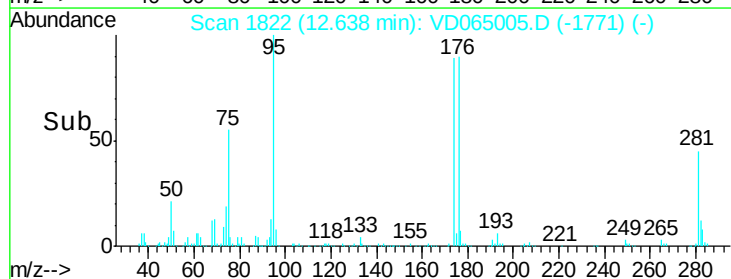
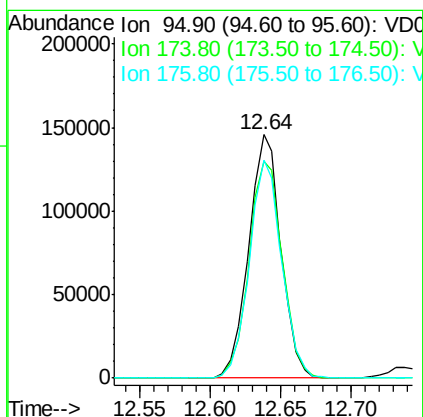
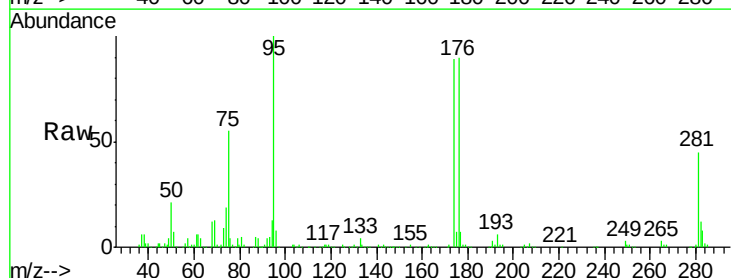
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

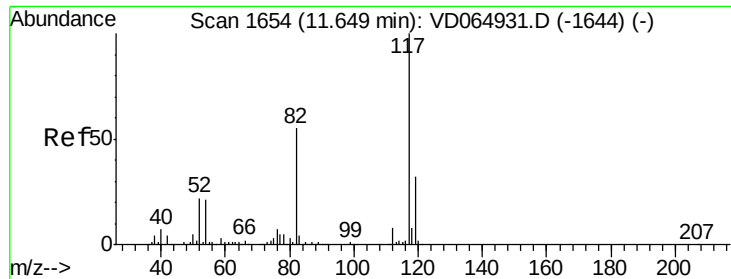
Tgt Ion: 107 Resp: 60722
 Ion Ratio Lower Upper
 107 100
 109 95.8 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 46.75 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 95 Resp: 233285
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 186.8
 176 89.9 0.0 183.4

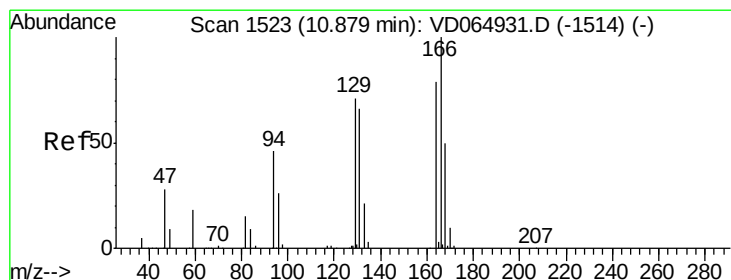
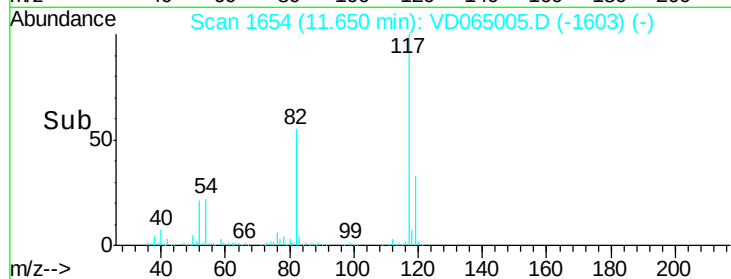
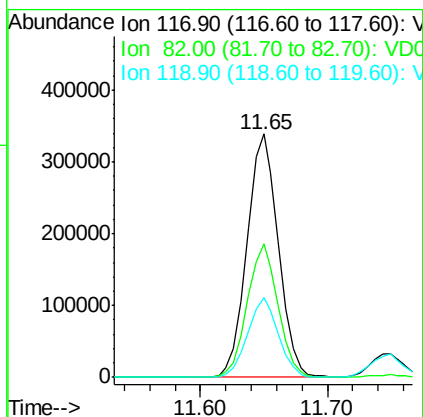
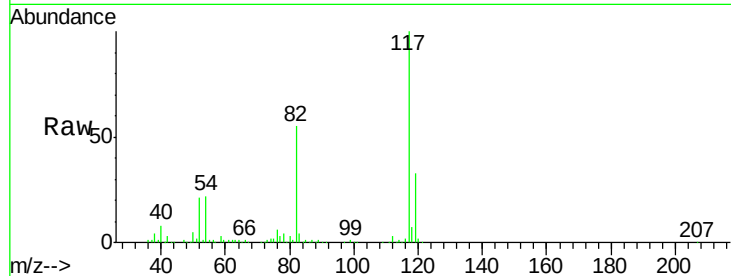




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

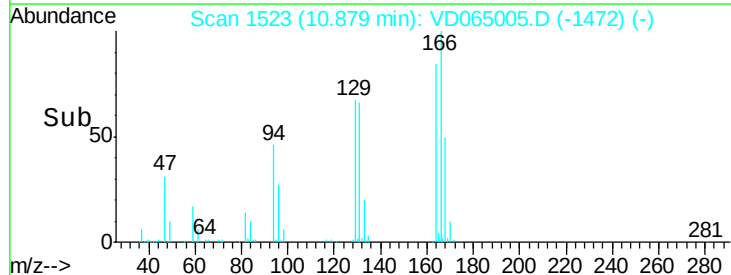
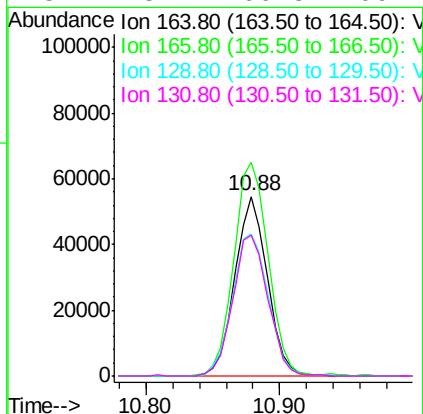
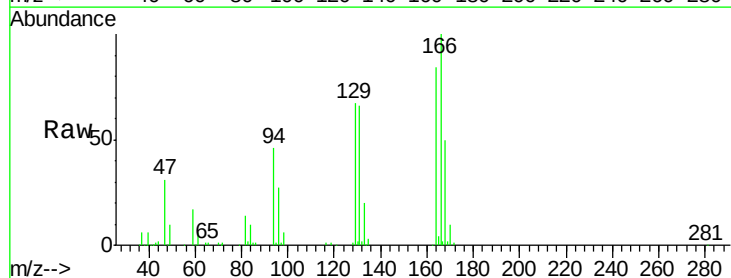
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

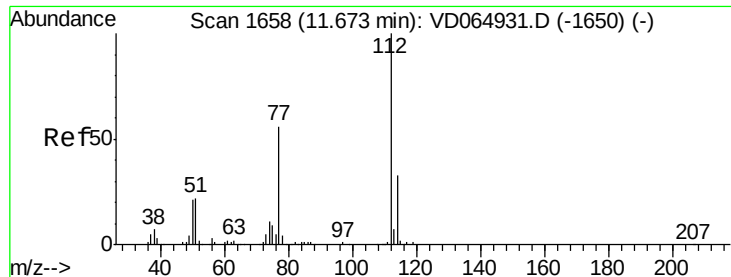
Tgt Ion:117 Resp: 581945
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 33.0 25.2 37.8



#64
Tetrachloroethene
Concen: 21.90 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion:164 Resp: 92081
Ion Ratio Lower Upper
164 100
166 119.0 101.4 152.2
129 79.5 71.8 107.8
131 78.2 66.8 100.2

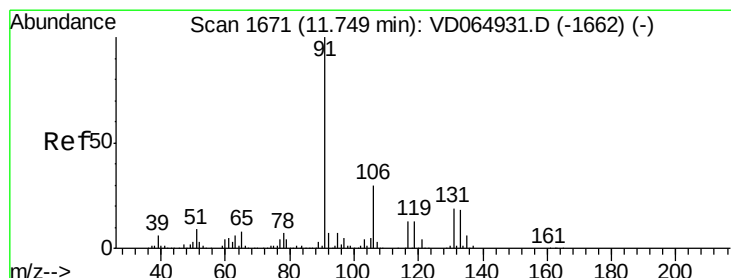
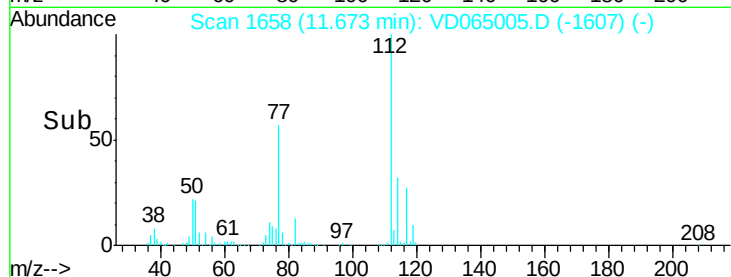
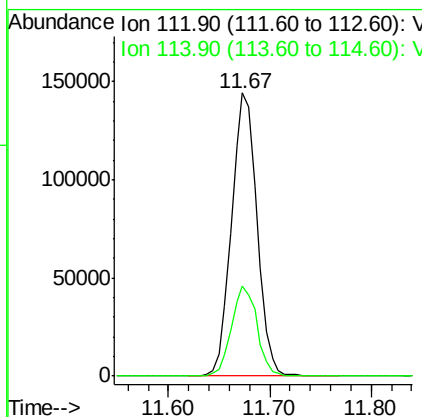
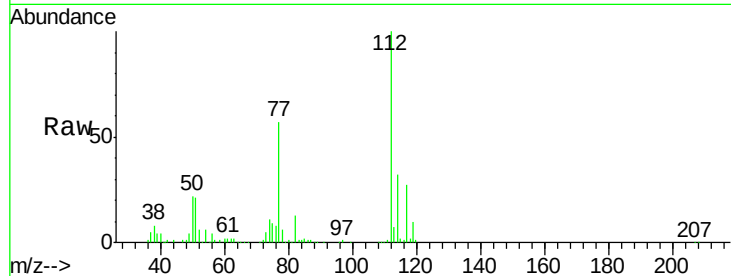




#65
Chlorobenzene
Concen: 21.32 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

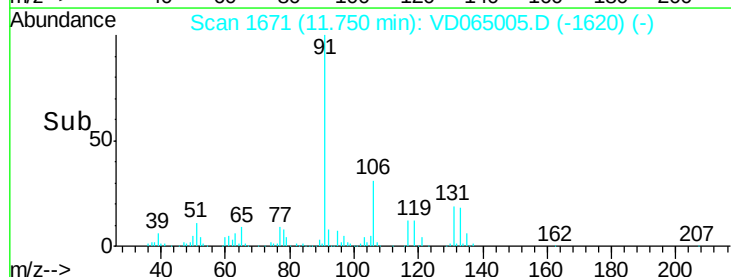
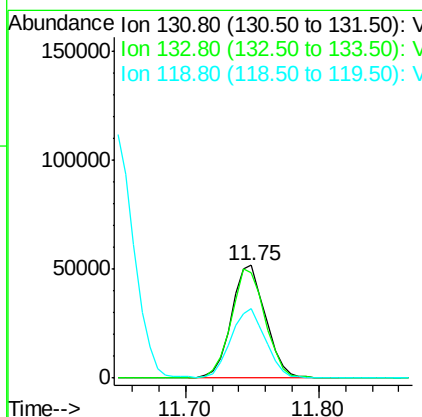
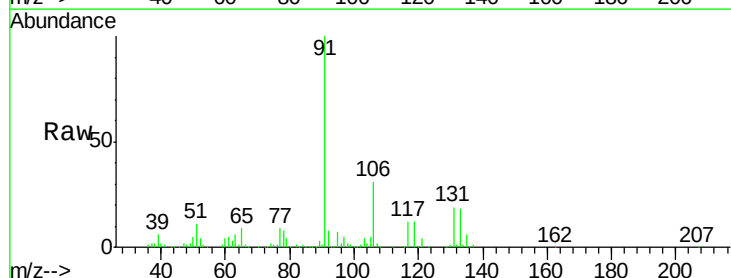
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

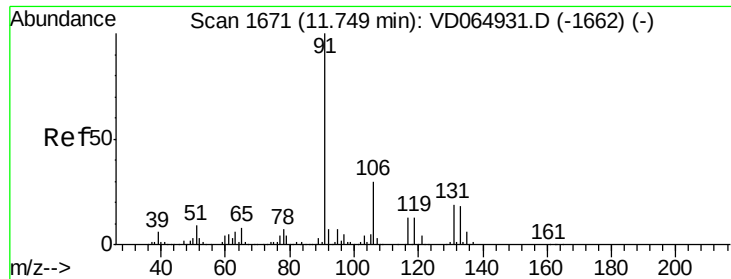
Tgt Ion:112 Resp: 251857
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.66 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion:131 Resp: 91823
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.5
119 63.2 31.1 93.5

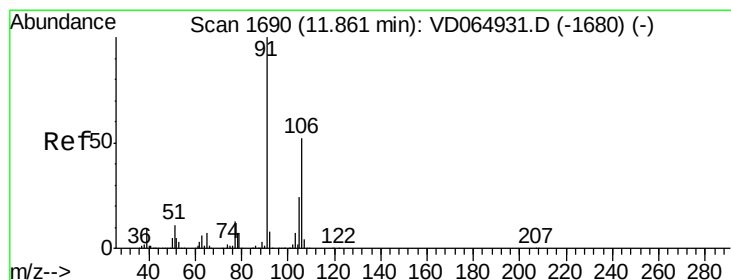
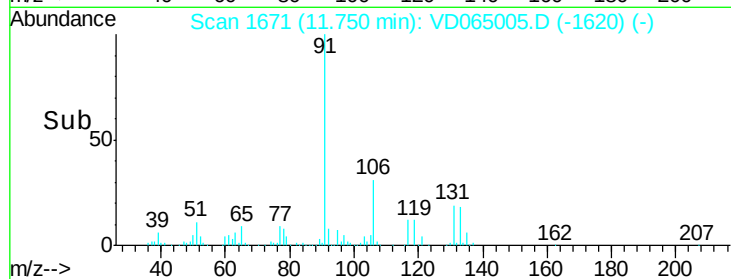
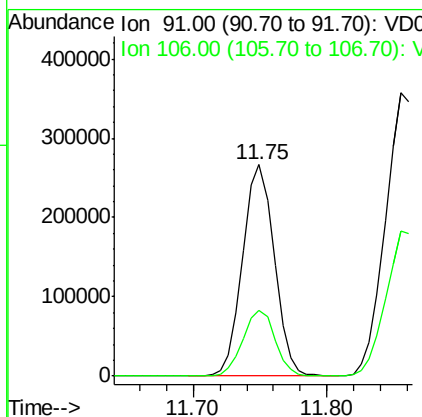
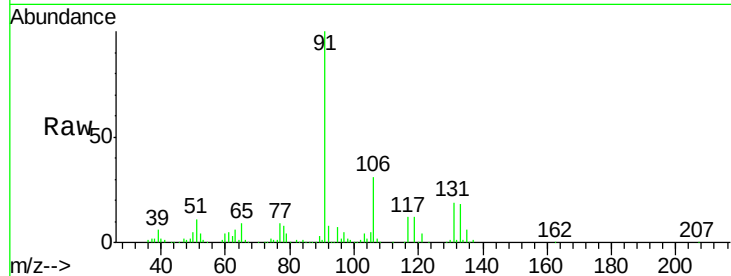




#67
 Ethyl Benzene
 Concen: 20.97 ug/l
 RT: 11.75 min Scan# 1671
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

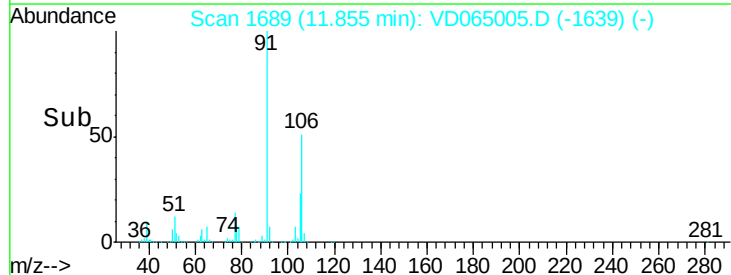
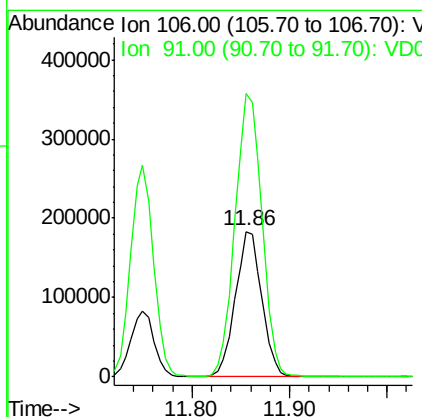
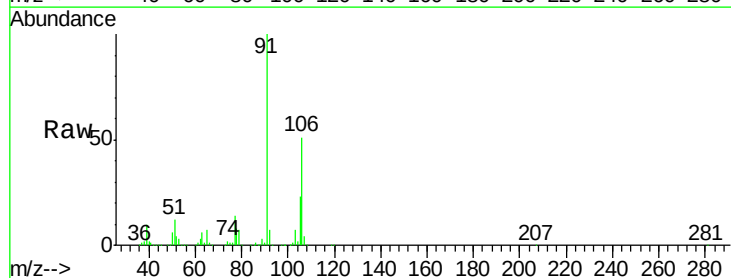
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

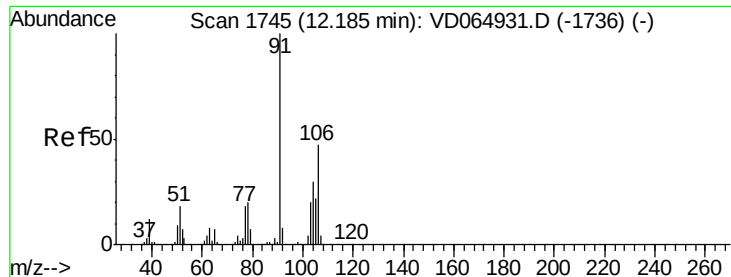
Tgt Ion: 91 Resp: 439932
 Ion Ratio Lower Upper
 91 100
 106 31.4 24.3 36.5



#68
 m/p-Xylenes
 Concen: 42.33 ug/l
 RT: 11.86 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 106 Resp: 341907
 Ion Ratio Lower Upper
 106 100
 91 199.9 159.0 238.4

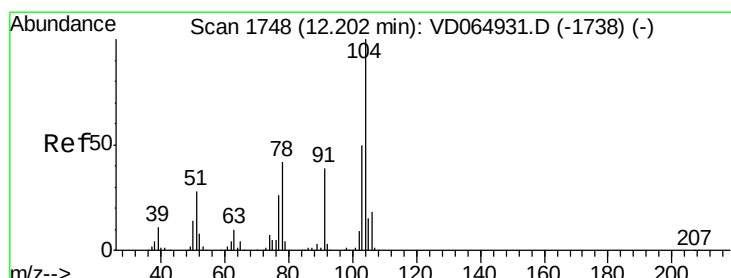
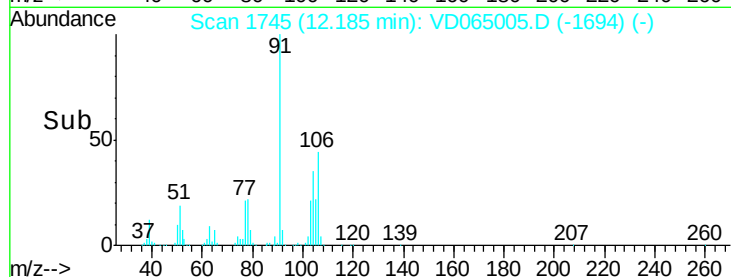
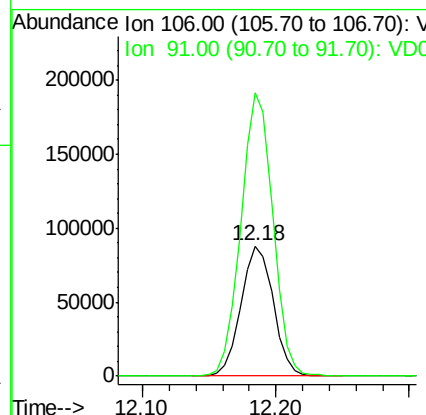
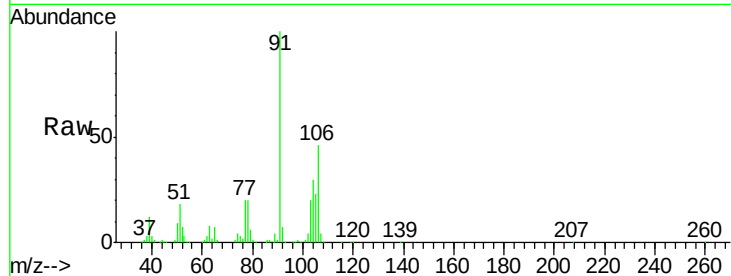




#69
o-Xylene
Concen: 20.49 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

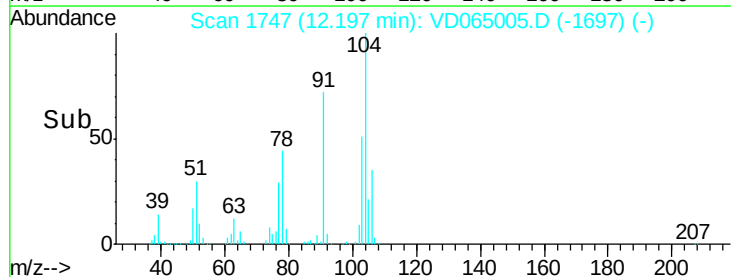
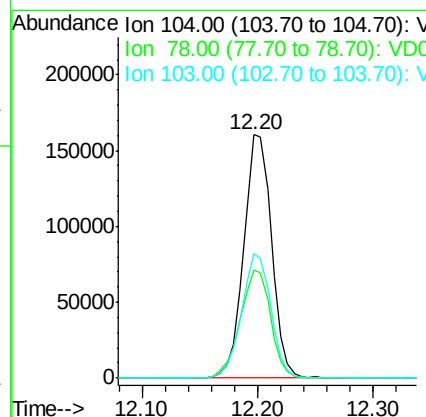
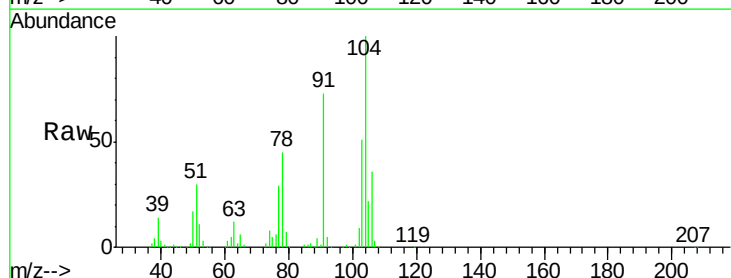
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

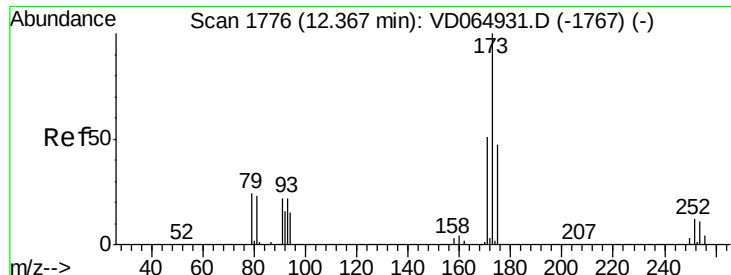
Tgt Ion:106 Resp: 146840
Ion Ratio Lower Upper
106 100
91 215.6 106.7 319.9



#70
Styrene
Concen: 21.03 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion:104 Resp: 268518
Ion Ratio Lower Upper
104 100
78 48.4 38.3 57.5
103 53.9 43.5 65.3

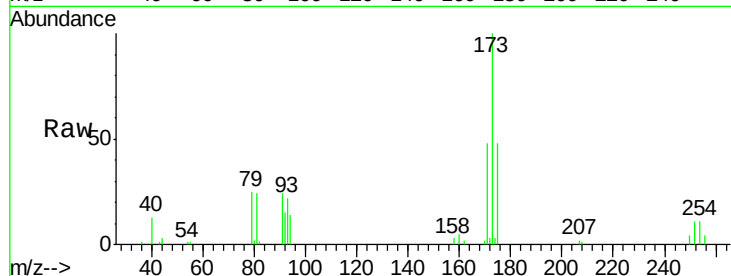




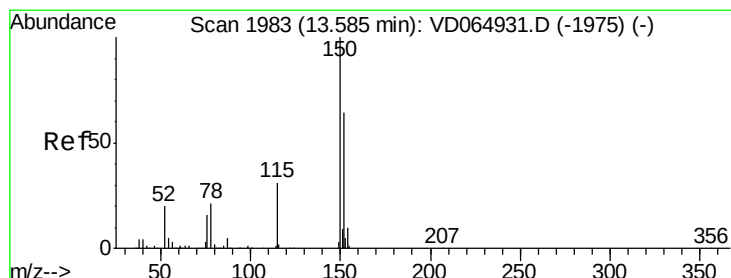
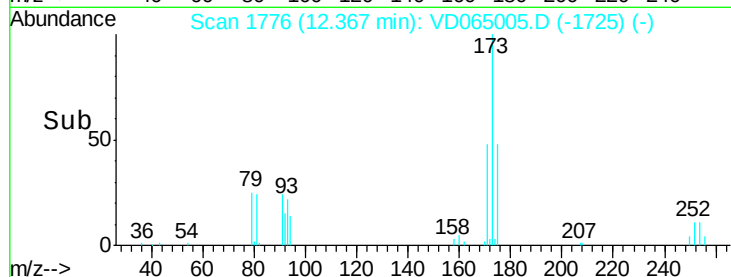
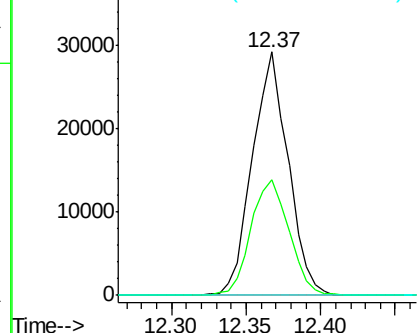
#71
Bromoform
Concen: 19.57 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tgt Ion:173 Resp: 48350
Ion Ratio Lower Upper
173 100
175 50.6 24.6 73.8
254 0.0 0.1 0.1#

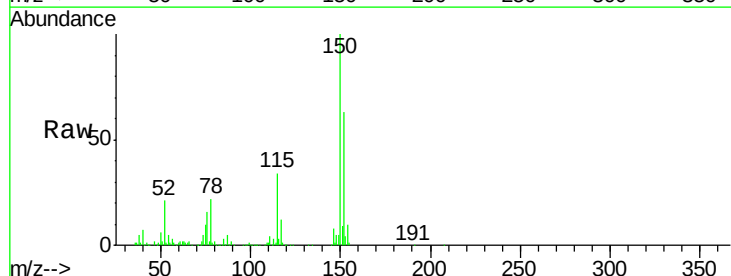


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

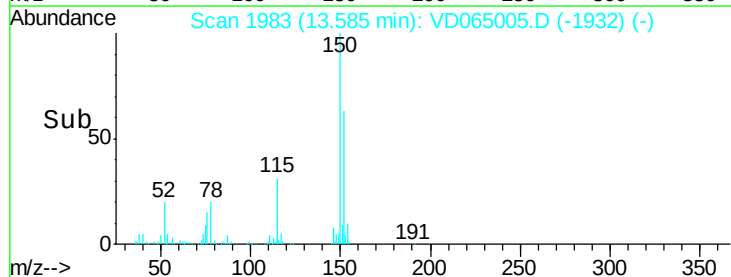
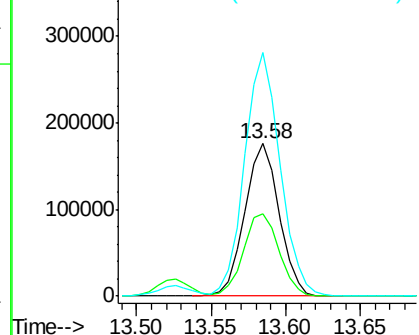


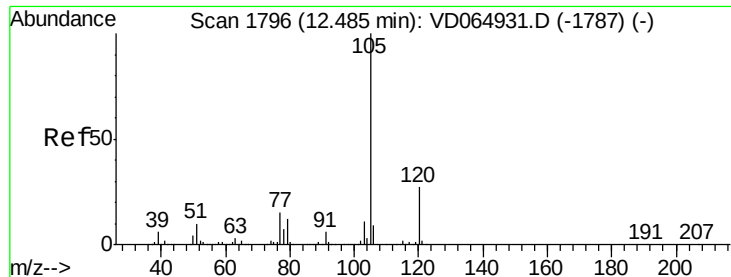
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion:152 Resp: 279770
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.4
150 165.3 0.0 350.4



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





#73

Isopropylbenzene

Concen: 21.76 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

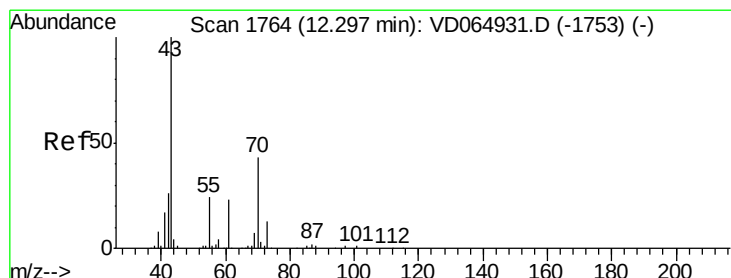
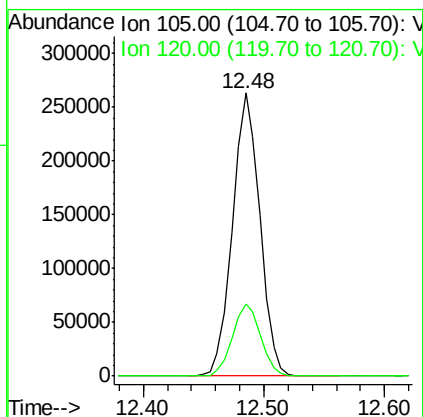
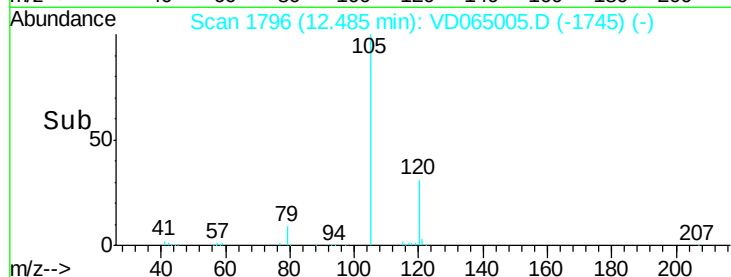
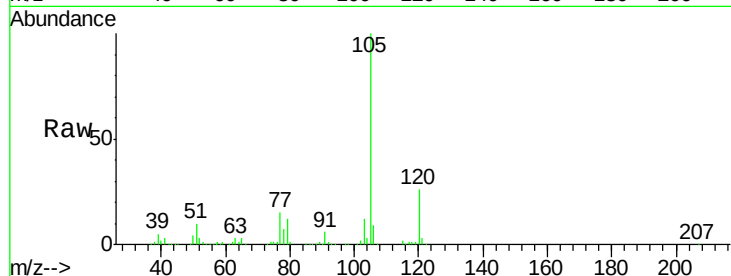
VD0130SBS01

Tgt Ion:105 Resp: 416091

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 19.87 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Tgt Ion: 43 Resp: 85024

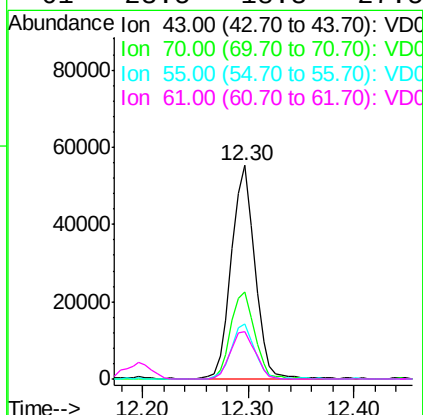
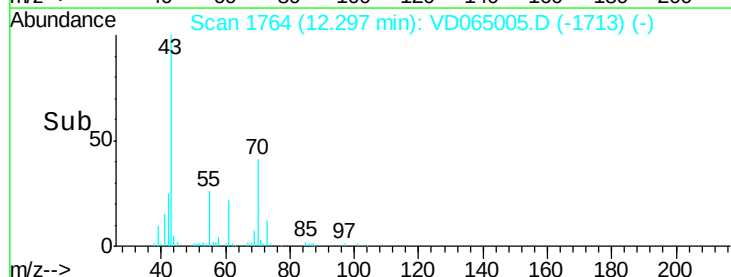
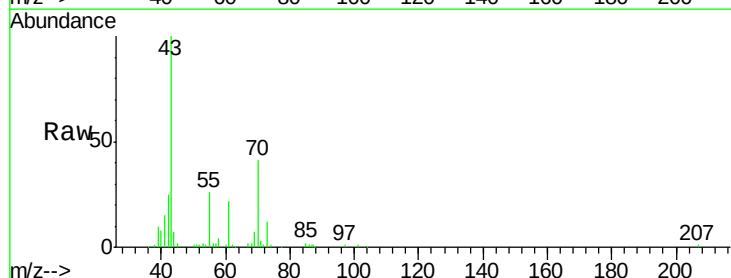
Ion Ratio Lower Upper

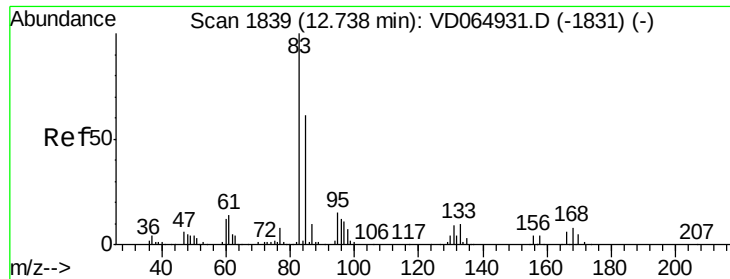
43 100

70 41.3 32.6 49.0

55 25.5 19.9 29.9

61 23.5 18.3 27.5

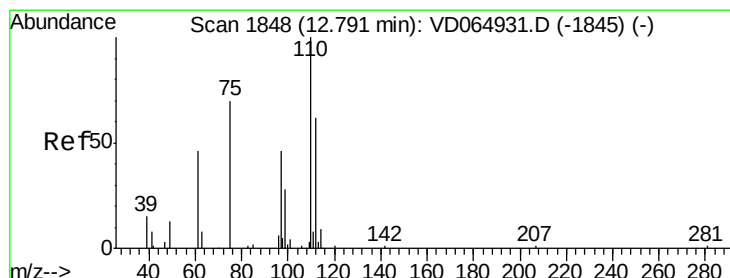
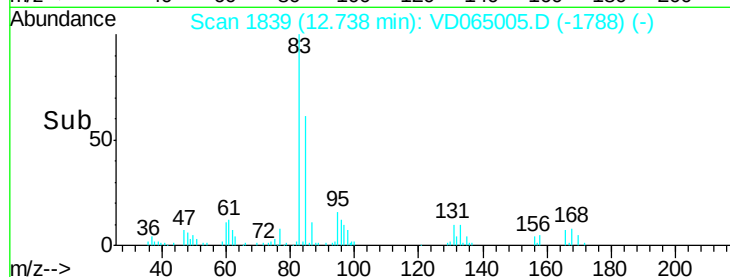
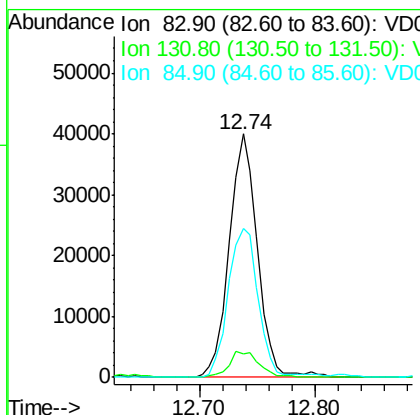
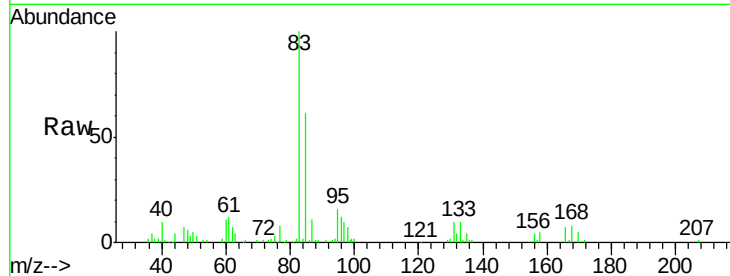




#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.03 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

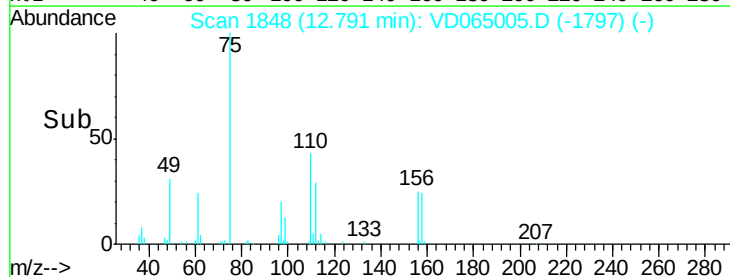
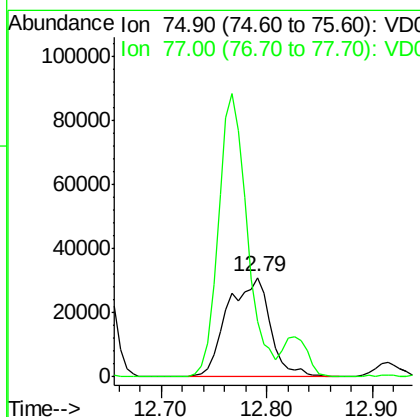
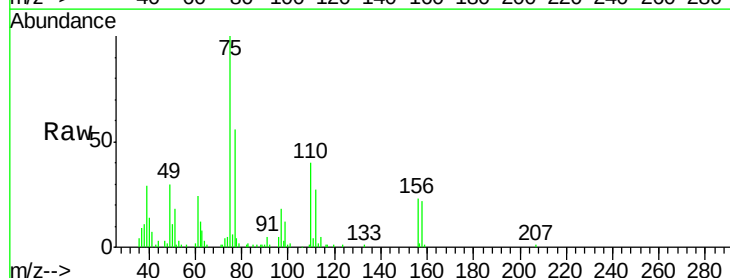
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

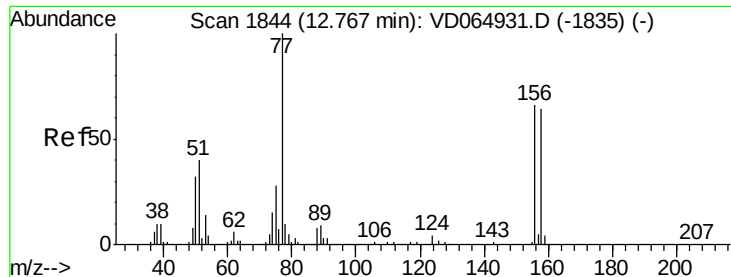
Tgt Ion: 83 Resp: 67593
 Ion Ratio Lower Upper
 83 100
 131 11.3 5.5 16.4
 85 64.6 31.6 94.7



#76
 1,2,3-Trichloropropane
 Concen: 37.76 ug/l
 RT: 12.79 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion: 75 Resp: 87693
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.30 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

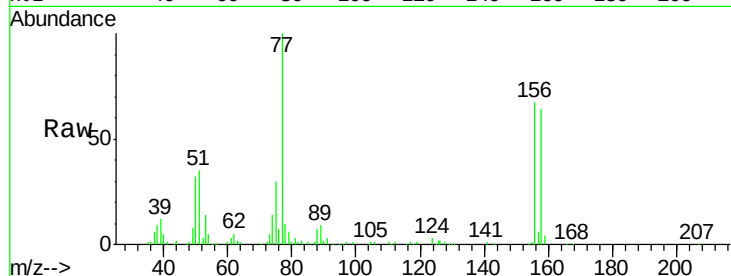
Tgt Ion:156 Resp: 99635

Ion Ratio Lower Upper

156 100

77 168.5 84.2 252.5

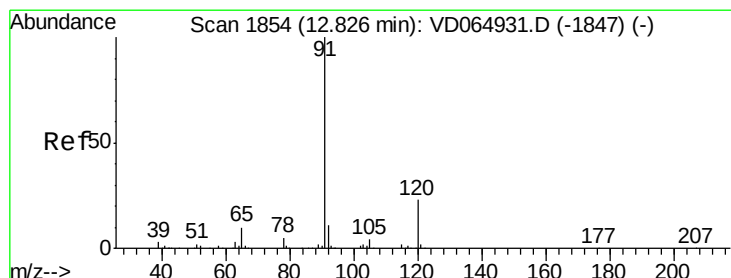
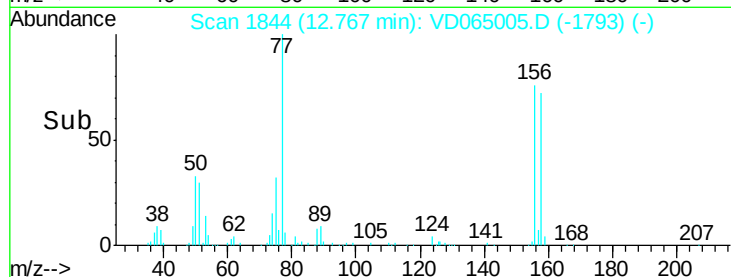
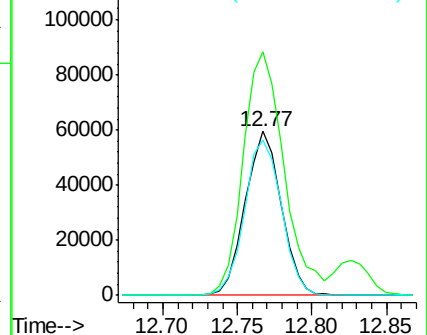
158 97.3 48.1 144.4



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: 22.13 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065005.D

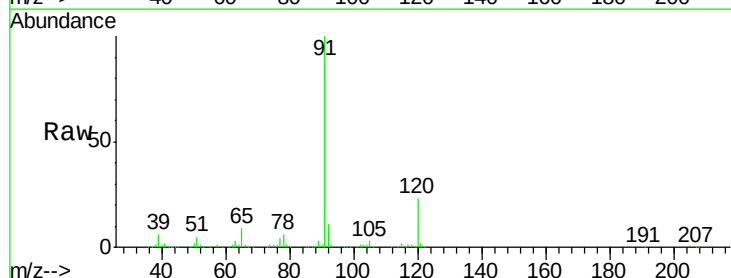
Acq: 30 Jan 2020 11:27

Tgt Ion: 91 Resp: 503166

Ion Ratio Lower Upper

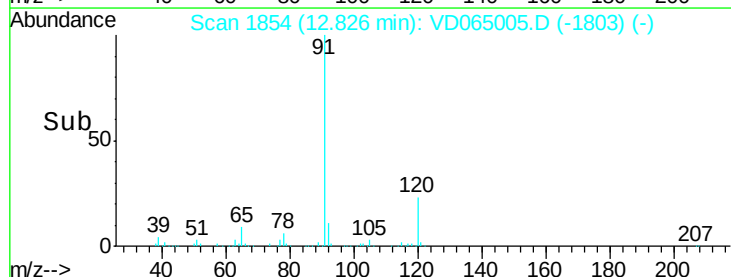
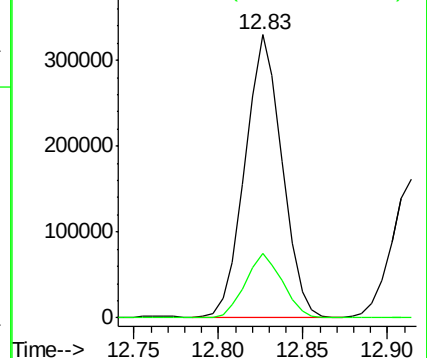
91 100

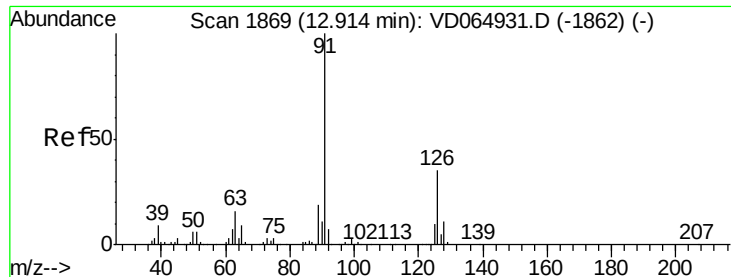
120 22.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.85 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

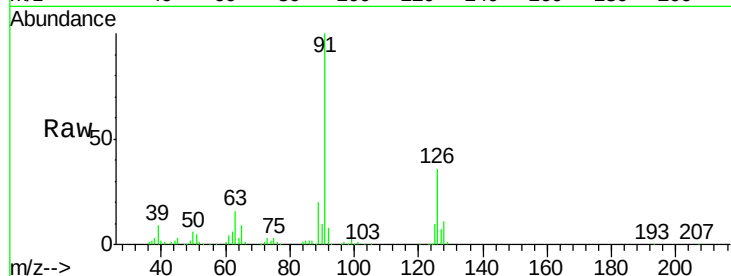
VD0130SBS01

Tgt Ion: 91 Resp: 272591

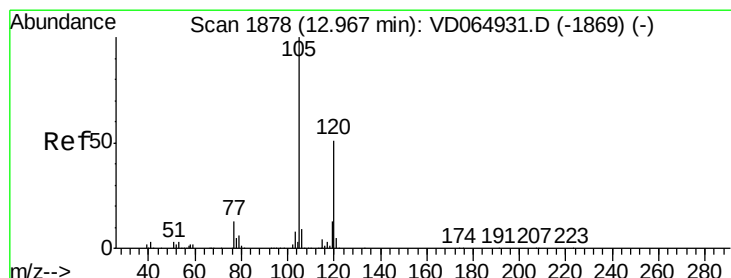
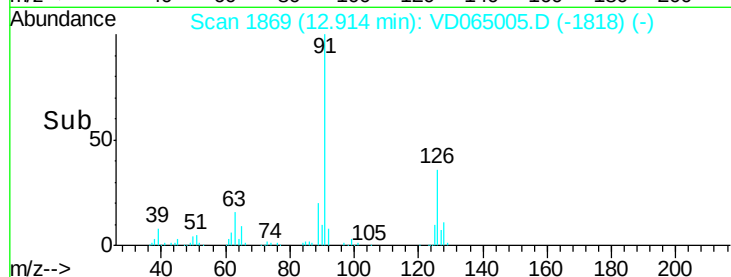
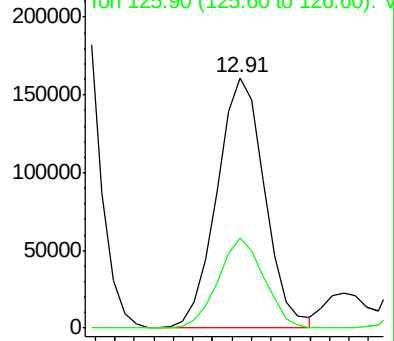
Ion Ratio Lower Upper

91 100

126 34.7 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.92 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065005.D

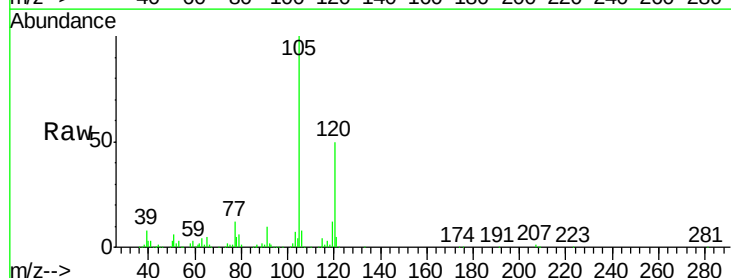
Acq: 30 Jan 2020 11:27

Tgt Ion: 105 Resp: 343449

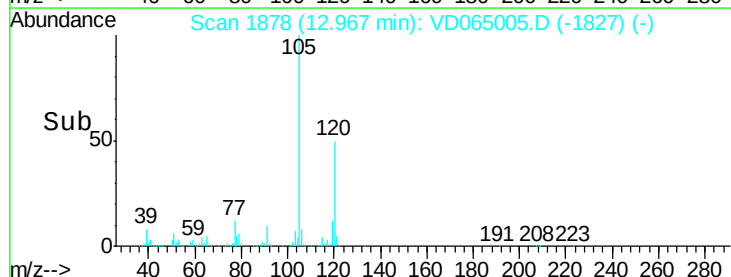
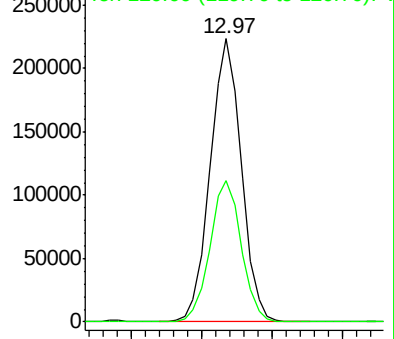
Ion Ratio Lower Upper

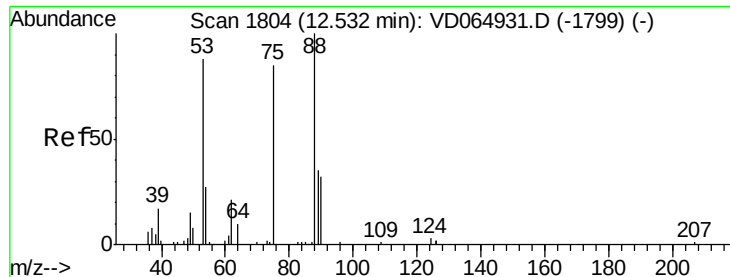
105 100

120 50.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.28 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

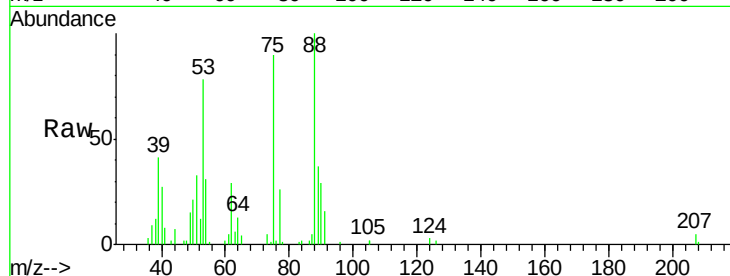
Tgt Ion: 75 Resp: 22053

Ion Ratio Lower Upper

75 100

53 93.9 81.0 121.4

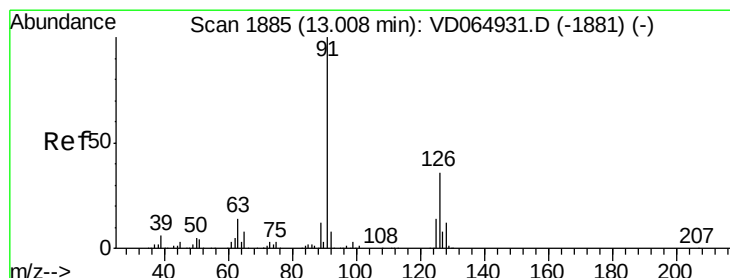
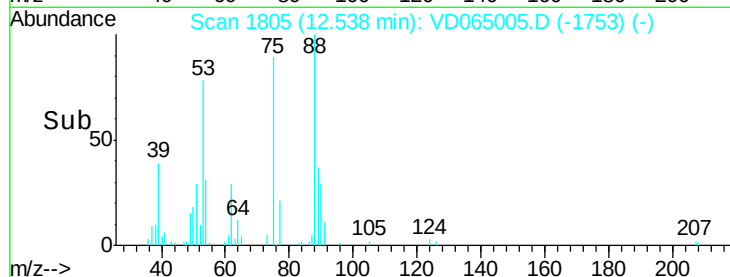
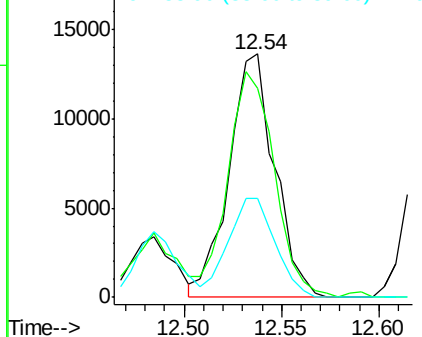
89 42.2 36.2 54.4



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: 21.69 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065005.D

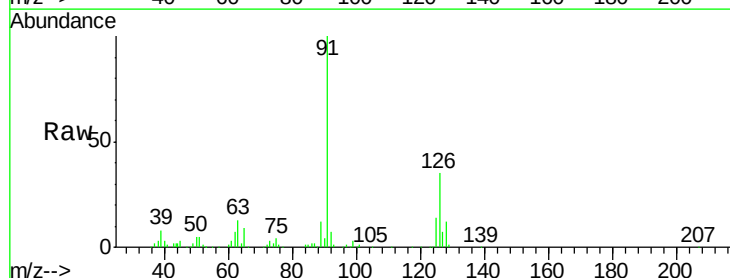
Acq: 30 Jan 2020 11:27

Tgt Ion: 91 Resp: 286896

Ion Ratio Lower Upper

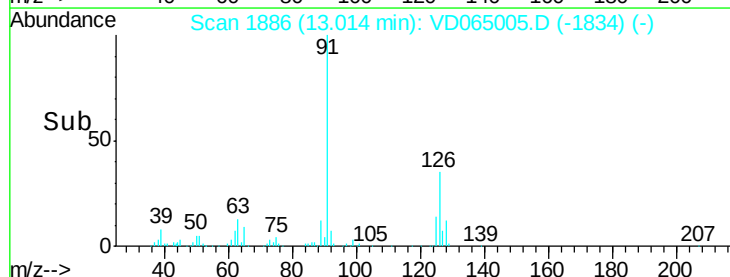
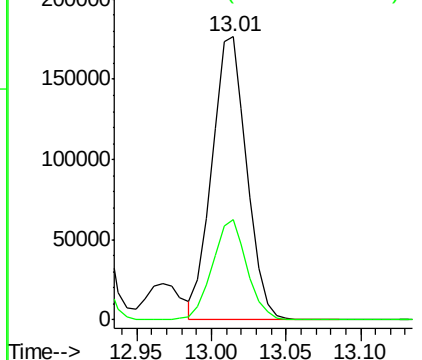
91 100

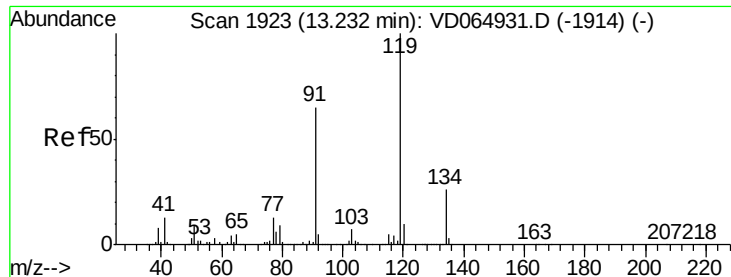
126 35.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

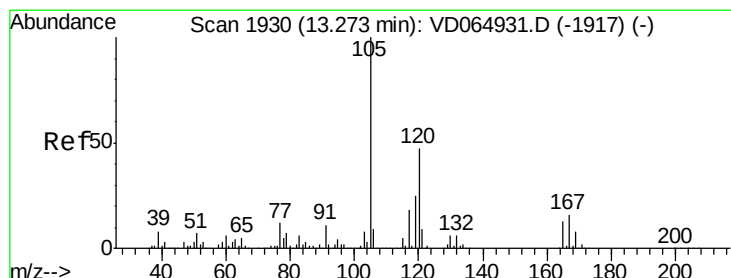
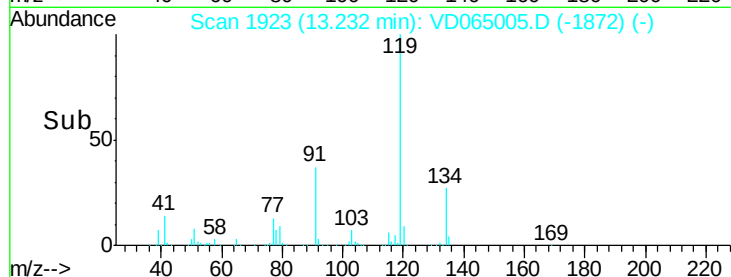
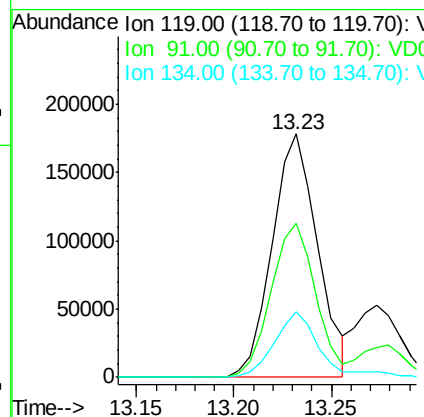
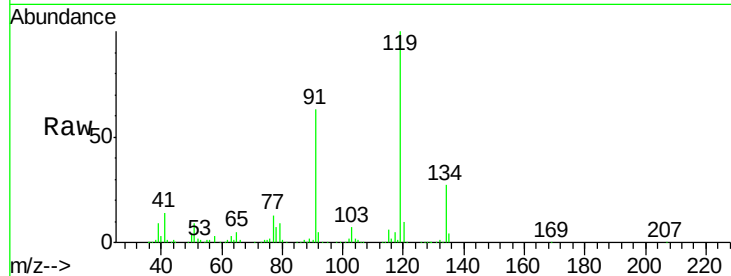




#83
 tert-Butylbenzene
 Concen: 21.59 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

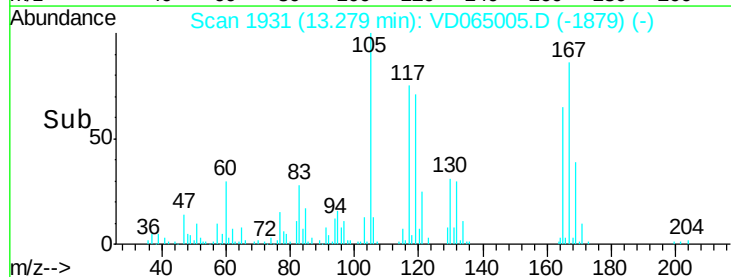
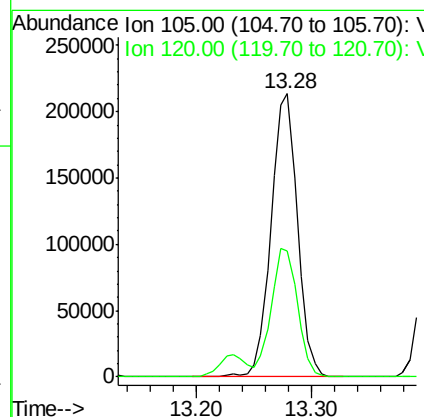
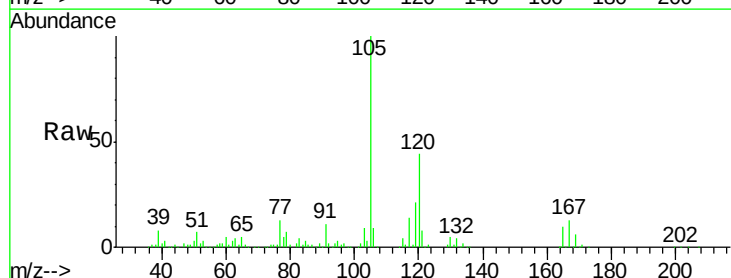
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

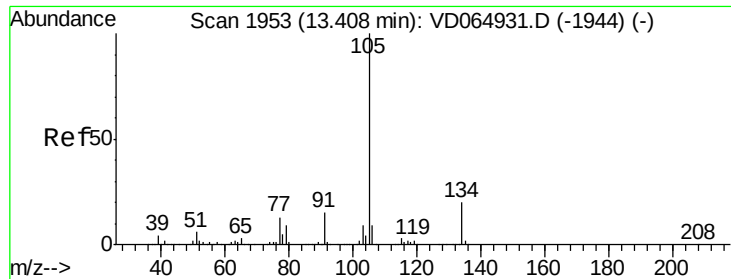
Tgt Ion:119 Resp: 287136
 Ion Ratio Lower Upper
 119 100
 91 62.2 32.0 96.0
 134 27.1 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.48 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion:105 Resp: 341036
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.1 69.3





#85

sec-Butylbenzene

Concen: 21.51 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

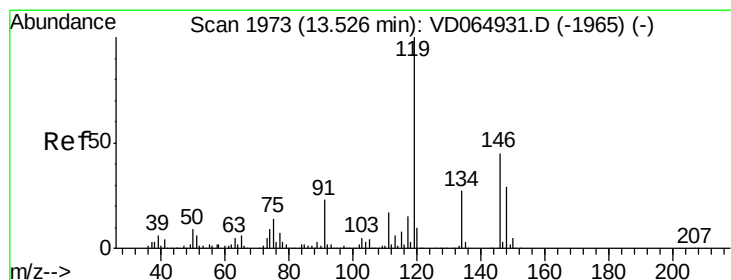
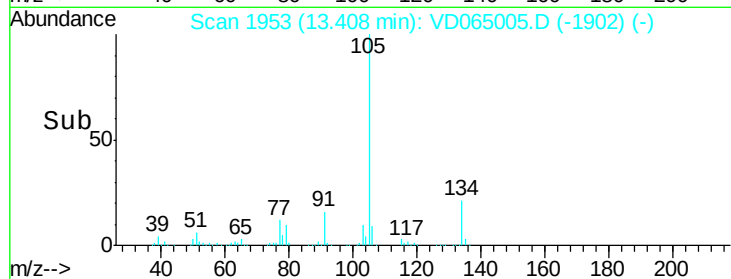
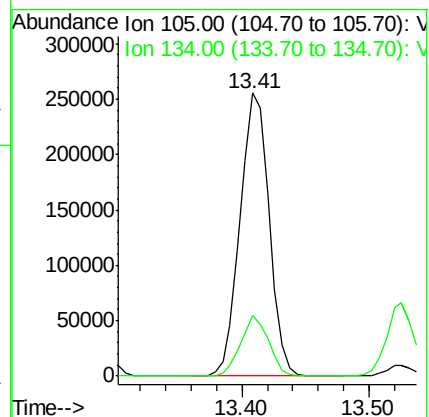
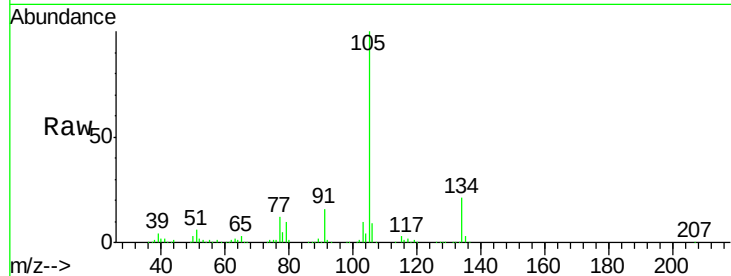
VD0130SBS01

Tgt Ion:105 Resp: 405018

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.4



#86

p-Isopropyltoluene

Concen: 21.44 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

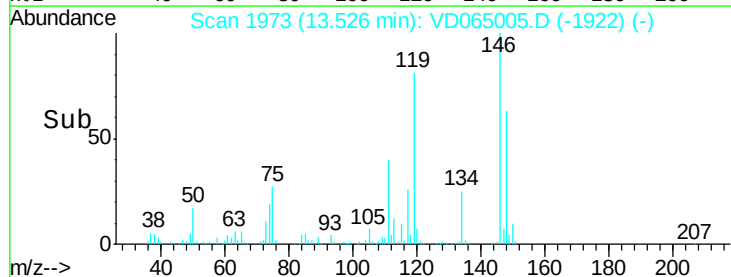
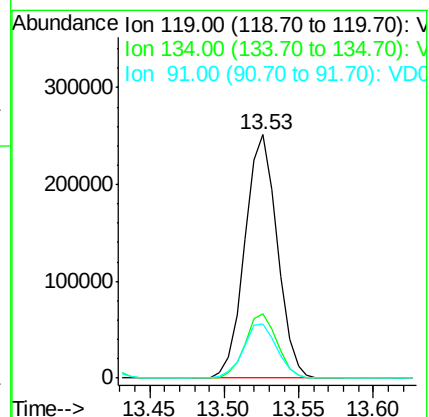
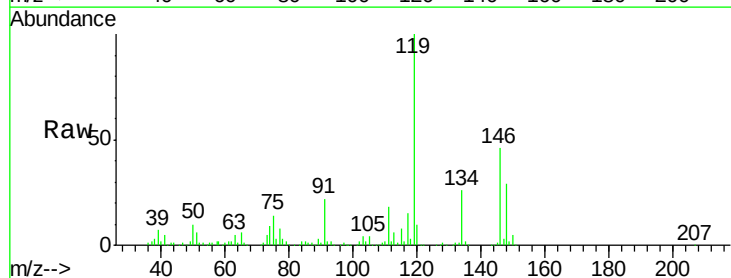
Tgt Ion:119 Resp: 377749

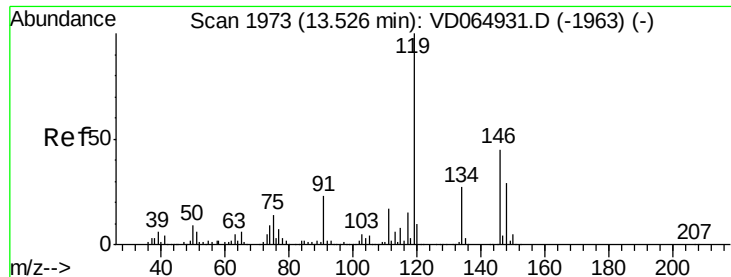
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 22.7 11.4 34.2

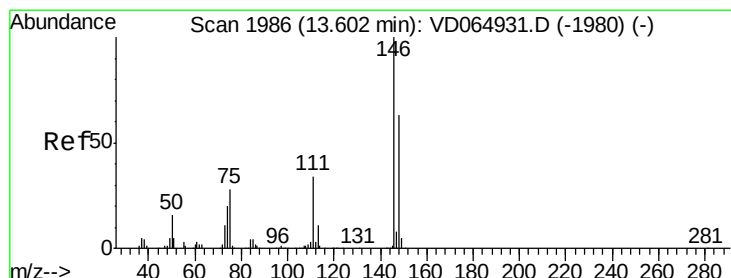
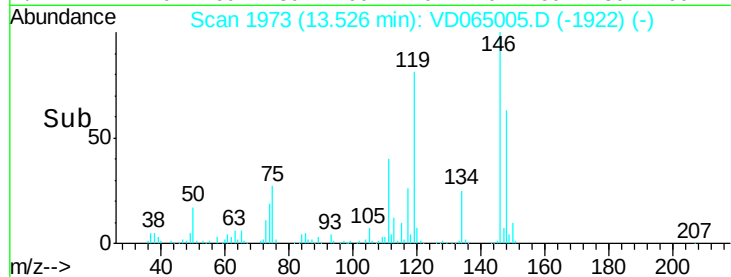
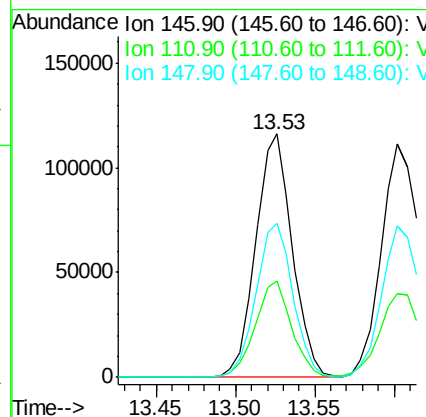
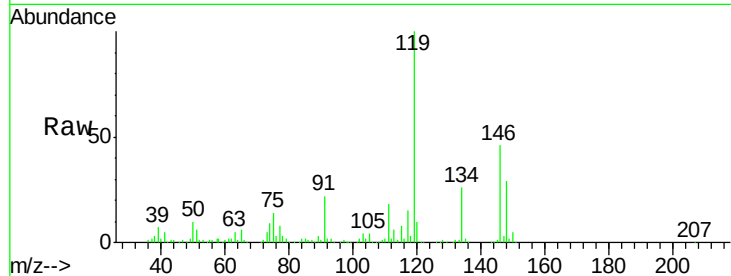




#87
 1,3-Dichlorobenzene
 Concen: 20.71 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

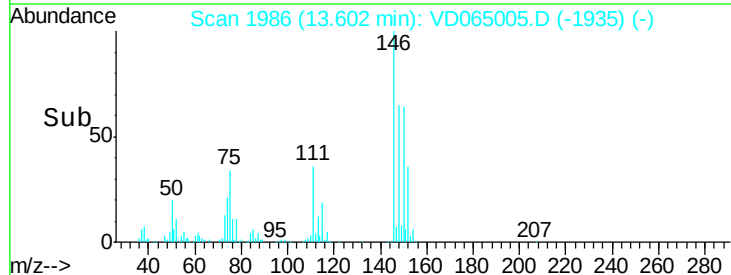
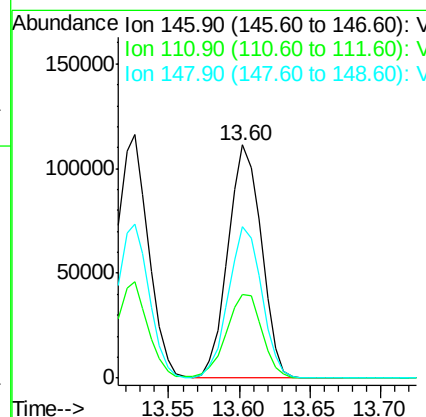
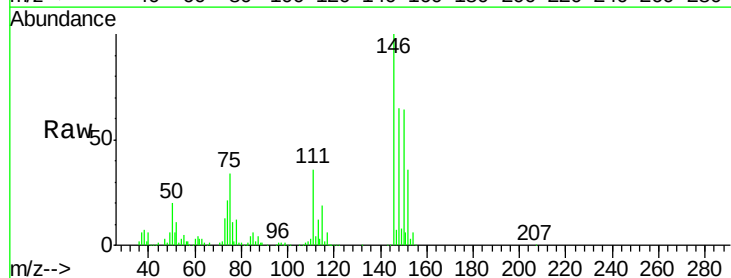
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

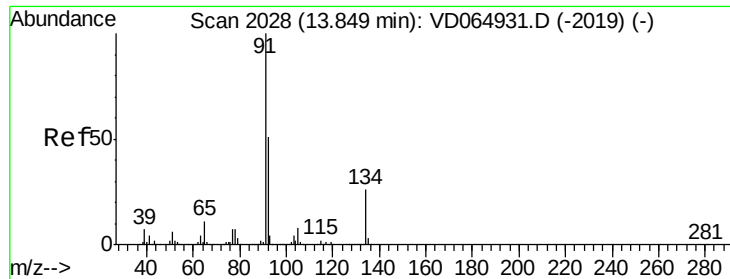
Tgt Ion:146 Resp: 185939
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.9 56.9
 148 64.0 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 20.67 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion:146 Resp: 184147
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.2 54.6
 148 64.9 32.0 96.0

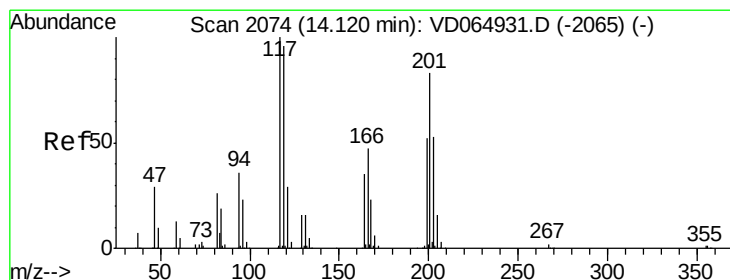
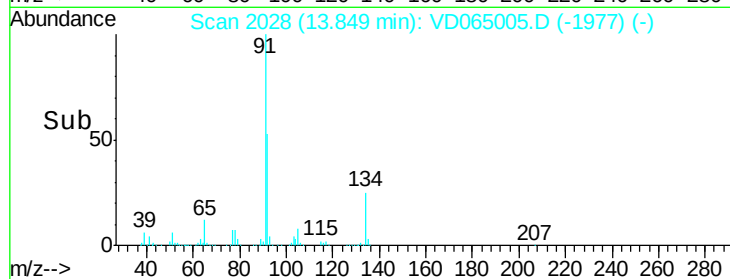
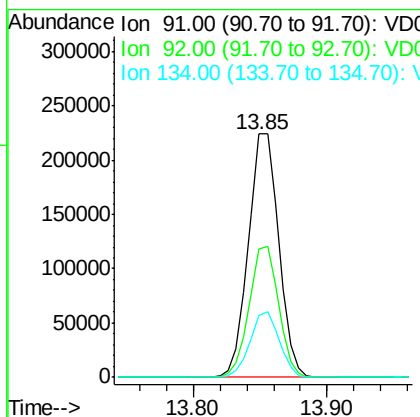
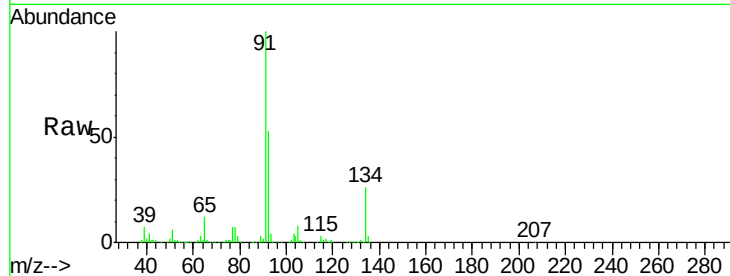




#89
n-Butylbenzene
Concen: 21.82 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

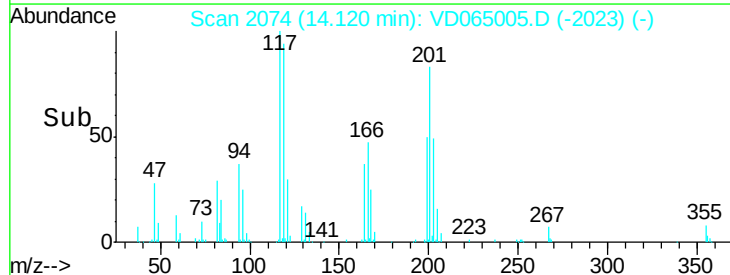
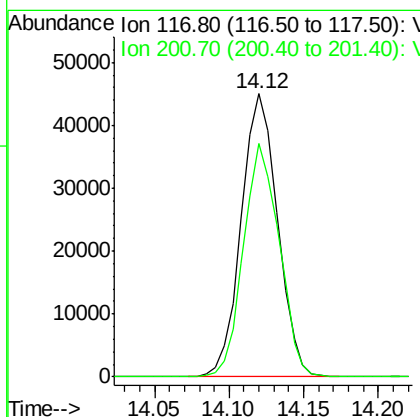
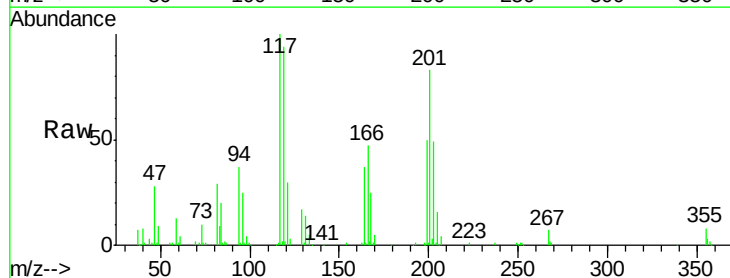
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

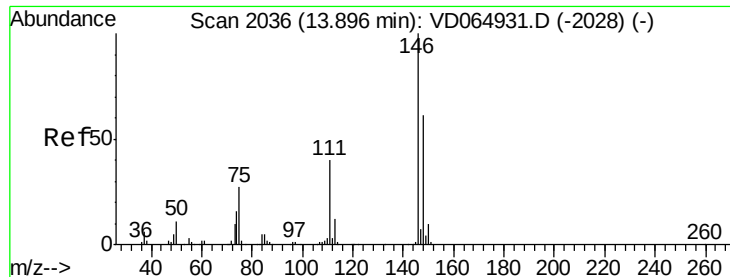
Tgt Ion: 91 Resp: 350920
Ion Ratio Lower Upper
91 100
92 52.0 26.4 79.0
134 26.2 13.3 39.9



#90
Hexachloroethane
Concen: 22.30 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion: 117 Resp: 75773
Ion Ratio Lower Upper
117 100
201 81.1 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 21.06 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

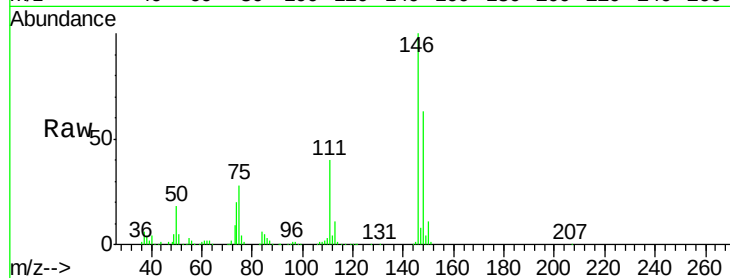
Tgt Ion:146 Resp: 160492

Ion Ratio Lower Upper

146 100

111 40.0 19.4 58.2

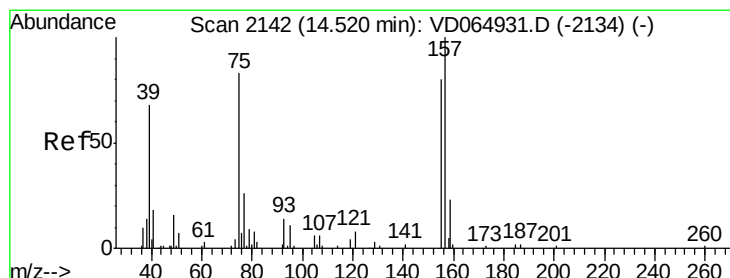
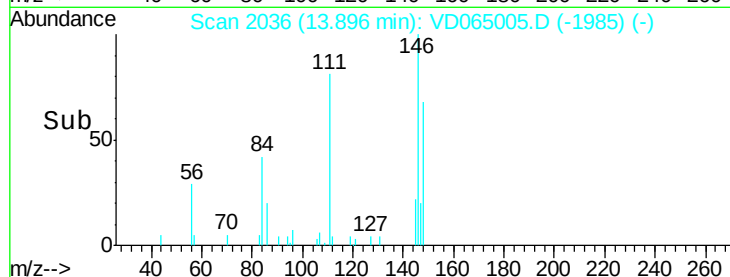
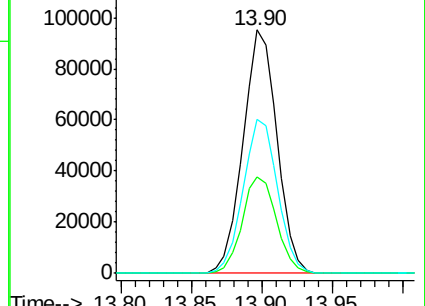
148 64.1 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.71 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065005.D

Acq: 30 Jan 2020 11:27

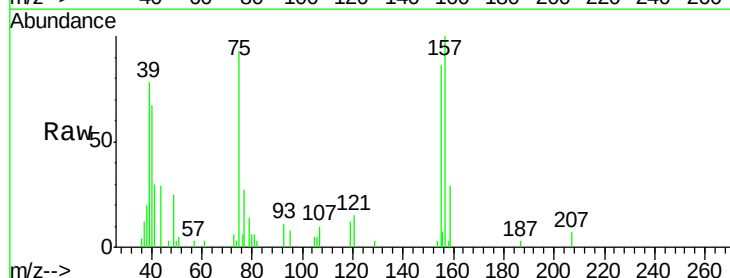
Tgt Ion: 75 Resp: 10650

Ion Ratio Lower Upper

75 100

155 86.3 44.9 134.7

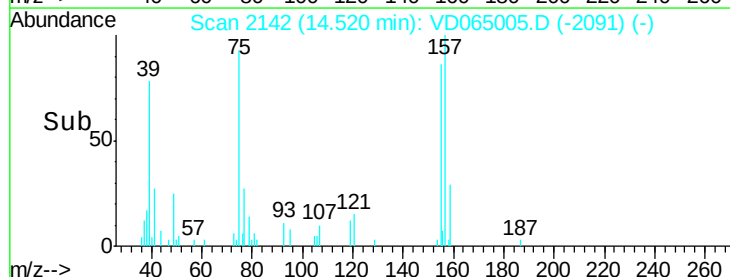
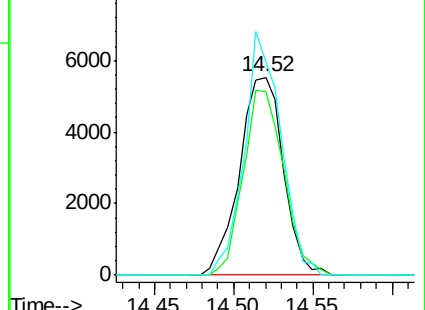
157 102.3 58.9 176.6

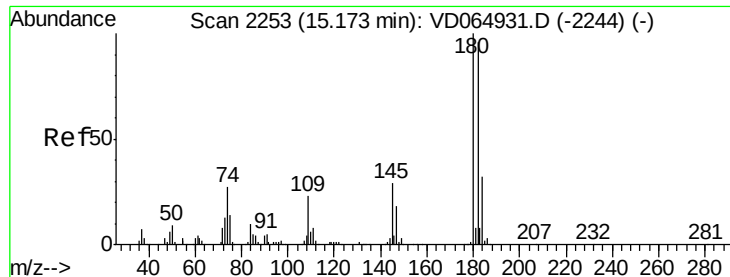


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

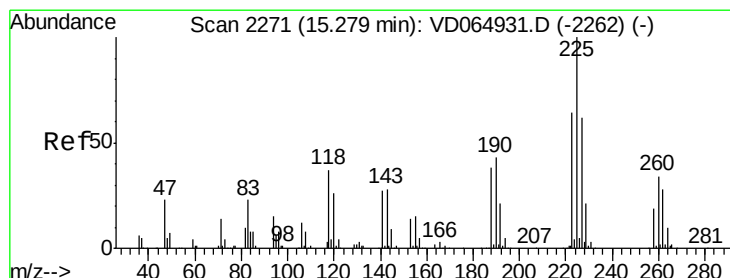
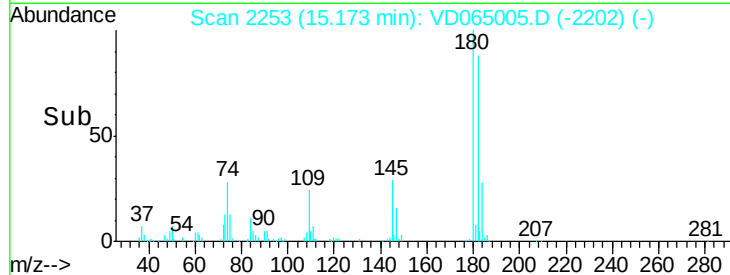
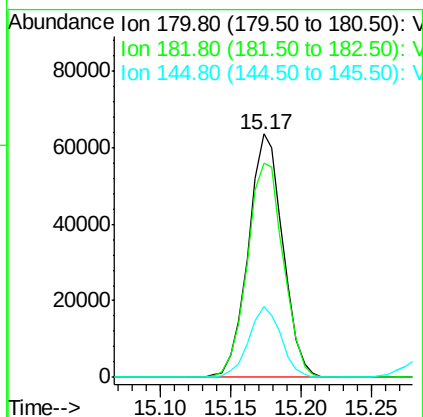
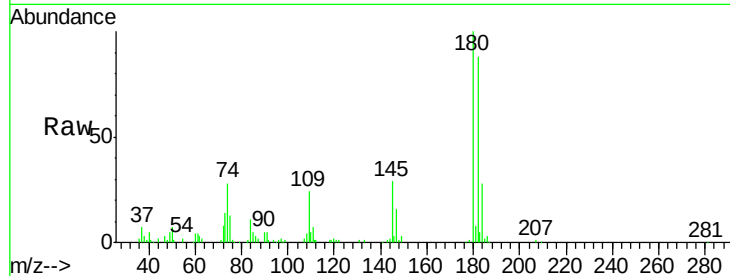




#93
 1,2,4-Trichlorobenzene
 Concen: 20.66 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

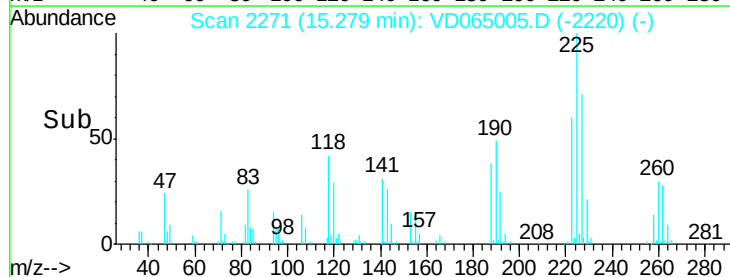
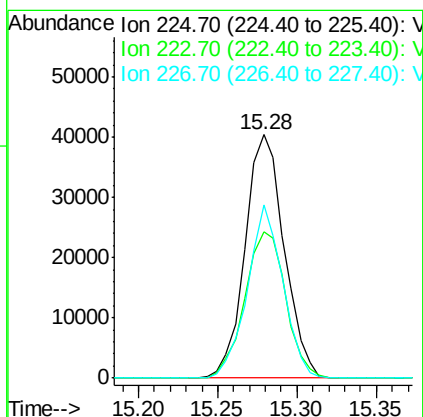
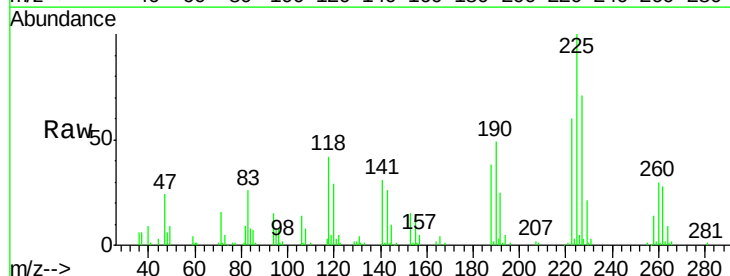
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

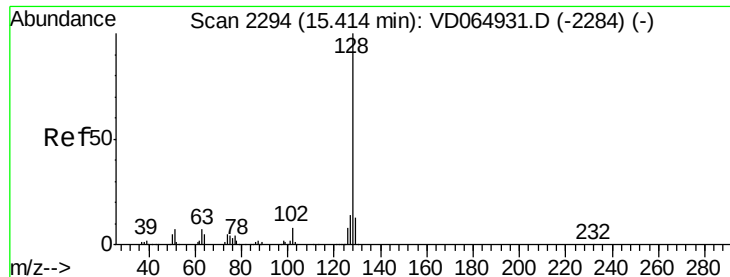
Tgt Ion:180 Resp: 108918
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.1 141.4
 145 27.4 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 20.74 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065005.D
 Acq: 30 Jan 2020 11:27

Tgt Ion:225 Resp: 69171
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.4 97.2
 227 64.4 31.9 95.9

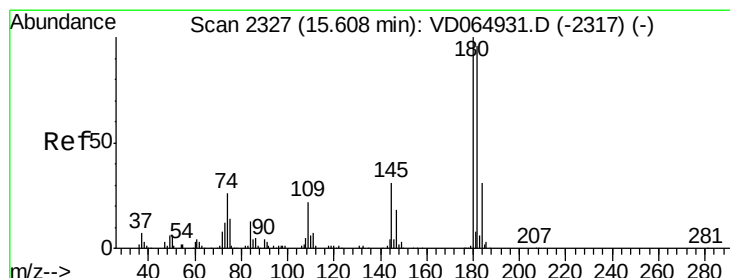
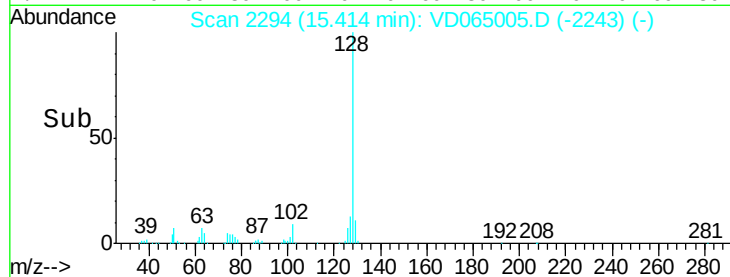
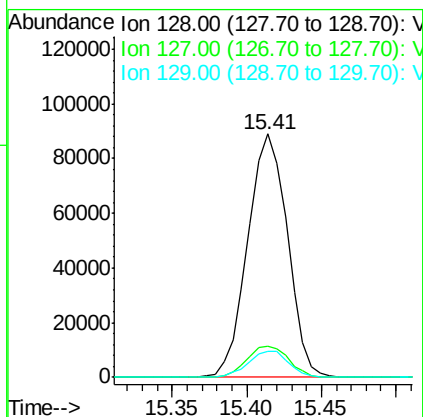
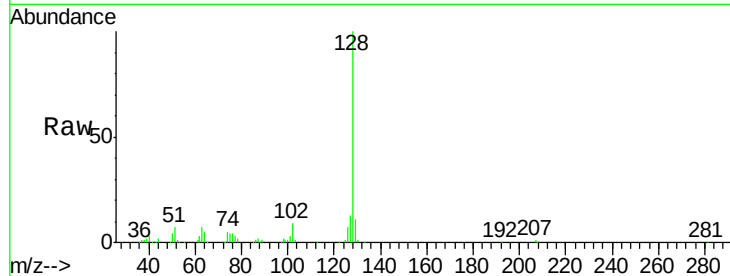




#95
Naphthalene
Concen: 19.27 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tgt Ion:	128	Resp:	163936
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.1	9.3	13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.12 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065005.D
Acq: 30 Jan 2020 11:27

Tgt Ion:	180	Resp:	91964
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	30.9	14.6	43.8

