

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065884.D
 Acq On : 29 Jun 2020 14:14
 Operator : VA/SY
 Sample : VD0629SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBS01

Quant Time: Jun 30 04:09:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	170968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	283055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	251830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	119633	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	85702	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	7.91	113	84024	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	10.34	98	309912	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.64	95	105728	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	37893	23.179	ug/l	91
3) Chloromethane	2.21	50	49826	21.931	ug/l	95
4) Vinyl Chloride	2.35	62	52170	20.700	ug/l	99
5) Bromomethane	2.76	94	33606	20.387	ug/l	100
6) Chloroethane	2.92	64	30531	19.211	ug/l #	85
7) Trichlorofluoromethane	3.27	101	71078	22.373	ug/l	99
8) Diethyl Ether	3.71	74	17368	20.795	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	37702	21.059	ug/l	98
10) Methyl Iodide	4.30	142	35985	20.416	ug/l	100
11) Tert butyl alcohol	5.20	59	8344	86.607	ug/l #	69
12) 1,1-Dichloroethene	4.06	96	36229	21.711	ug/l	96
13) Acrolein	3.92	56	13607	105.410	ug/l	94
14) Allyl chloride	4.71	41	57444	21.823	ug/l	95
15) Acrylonitrile	5.43	53	35878	101.053	ug/l	98
16) Acetone	4.16	43	35391	101.698	ug/l #	85
17) Carbon Disulfide	4.40	76	121609	21.571	ug/l	98
18) Methyl Acetate	4.72	43	16281	21.099	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	78017	21.321	ug/l	99
20) Methylene Chloride	4.97	84	49469	24.485	ug/l #	90
21) trans-1,2-Dichloroethene	5.47	96	41275	21.600	ug/l	95
22) Diisopropyl ether	6.36	45	116549	21.230	ug/l	96
23) Vinyl Acetate	6.30	43	330191	104.065	ug/l	97
24) 1,1-Dichloroethane	6.27	63	69996	21.372	ug/l	99
25) 2-Butanone	7.21	43	49747	107.118	ug/l	100
26) 2,2-Dichloropropane	7.21	77	67827	22.567	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	42141	19.932	ug/l	96
28) Bromochloromethane	7.55	49	24660	20.036	ug/l	98
29) Tetrahydrofuran	7.56	42	30389	103.012	ug/l	97
30) Chloroform	7.71	83	72672	20.724	ug/l	97
31) Cyclohexane	7.98	56	68444	21.511	ug/l	87
32) 1,1,1-Trichloroethane	7.90	97	70454	21.895	ug/l	100
36) 1,1-Dichloropropene	8.11	75	58891	21.336	ug/l	97
37) Ethyl Acetate	7.30	43	23194	21.977	ug/l #	85
38) Carbon Tetrachloride	8.10	117	63341	21.252	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065884.D
 Acq On : 29 Jun 2020 14:14
 Operator : VA/SY
 Sample : VD0629SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBS01

Quant Time: Jun 30 04:09:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	68826	20.987	ug/l	95
40) Benzene	8.36	78	156411	20.426	ug/l	98
41) Methacrylonitrile	7.53	41	12490	21.571	ug/l #	54
42) 1,2-Dichloroethane	8.43	62	48131	21.306	ug/l	99
43) Isopropyl Acetate	8.46	43	41722	20.402	ug/l	99
44) Trichloroethene	9.11	130	42297	20.389	ug/l	96
45) 1,2-Dichloropropane	9.39	63	37271	20.319	ug/l	93
46) Dibromomethane	9.47	93	19998	19.667	ug/l	99
47) Bromodichloromethane	9.66	83	55571	20.567	ug/l	95
48) Methyl methacrylate	9.46	41	22911	22.856	ug/l	85
49) 1,4-Dioxane	9.47	88	4538	436.291	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	106835	101.347	ug/l	99
52) Toluene	10.40	92	100667	20.220	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	52843	20.489	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	63408	20.938	ug/l	93
55) 1,1,2-Trichloroethane	10.81	97	27617	20.495	ug/l #	85
56) Ethyl methacrylate	10.66	69	33283	19.892	ug/l	96
57) 1,3-Dichloropropane	10.95	76	47878	20.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	76509	104.322	ug/l	99
59) 2-Hexanone	10.99	43	71279	96.466	ug/l	98
60) Dibromochloromethane	11.14	129	36214	19.676	ug/l	98
61) 1,2-Dibromoethane	11.25	107	26913	20.407	ug/l	99
64) Tetrachloroethene	10.88	164	34137	20.759	ug/l	90
65) Chlorobenzene	11.67	112	102803	20.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	37208	19.995	ug/l	98
67) Ethyl Benzene	11.75	91	191061	20.594	ug/l	100
68) m/p-Xylenes	11.86	106	140256	39.707	ug/l	96
69) o-Xylene	12.18	106	66433	20.929	ug/l	96
70) Styrene	12.20	104	109230	19.680	ug/l	97
71) Bromoform	12.36	173	19694	19.929	ug/l #	99
73) Isopropylbenzene	12.48	105	180825	21.104	ug/l	100
74) N-amyl acetate	12.29	43	38658	20.420	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	28588	20.269	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	39977	38.189	ug/l #	1
77) Bromobenzene	12.77	156	39862	20.692	ug/l	97
78) n-propylbenzene	12.83	91	220757	21.385	ug/l	100
79) 2-Chlorotoluene	12.91	91	120688	21.226	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	151203	21.109	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	9279	19.043	ug/l	89
82) 4-Chlorotoluene	13.01	91	128604	21.165	ug/l	99
83) tert-Butylbenzene	13.23	119	128578	21.330	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	149646	21.208	ug/l	99
85) sec-Butylbenzene	13.40	105	178081	20.730	ug/l	98
86) p-Isopropyltoluene	13.52	119	167347	21.447	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	77743	20.771	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	76776	20.389	ug/l	99
89) n-Butylbenzene	13.85	91	158276	20.803	ug/l	99
90) Hexachloroethane	14.11	117	33500	21.039	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	67213	20.498	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4782	21.888	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
Data File : VD065884.D
Acq On : 29 Jun 2020 14:14
Operator : VA/SY
Sample : VD0629SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

Quant Time: Jun 30 04:09:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration

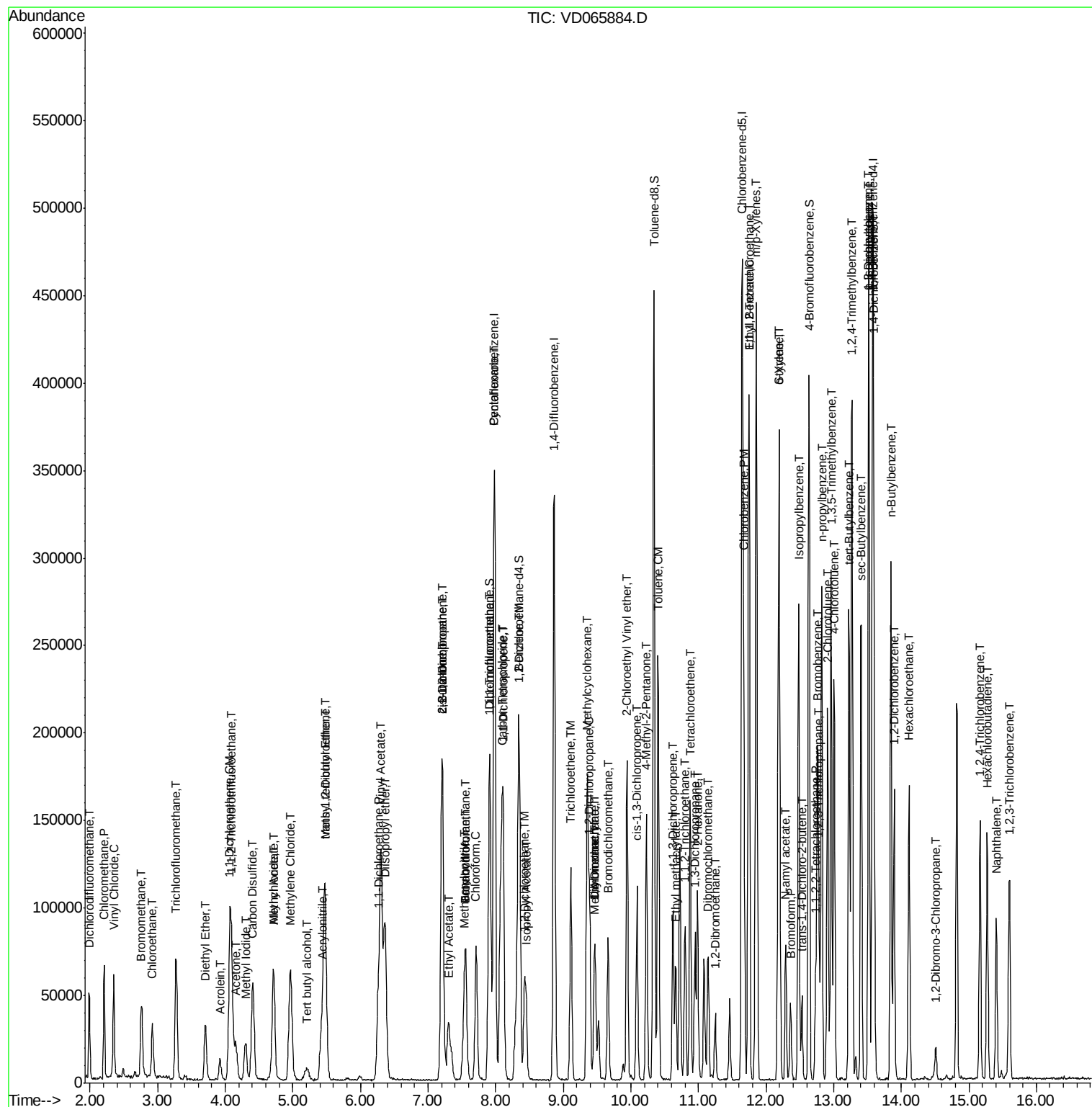
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	43837	21.089	ug/l	99
94) Hexachlorobutadiene	15.27	225	25428	21.446	ug/l	95
95) Naphthalene	15.41	128	77345	20.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	39030	22.501	ug/l	94

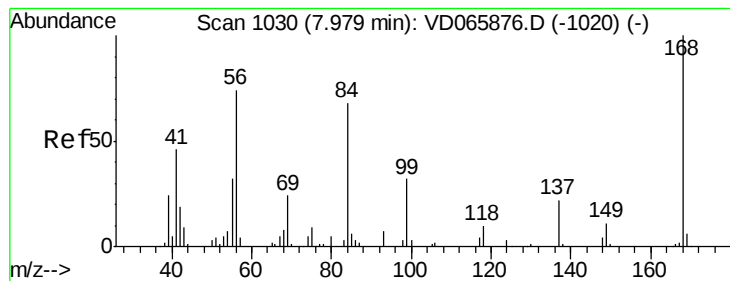
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065884.D
 Acq On : 29 Jun 2020 14:14
 Operator : VA/SY
 Sample : VD0629SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBS01

Quant Time: Jun 30 04:09:17 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

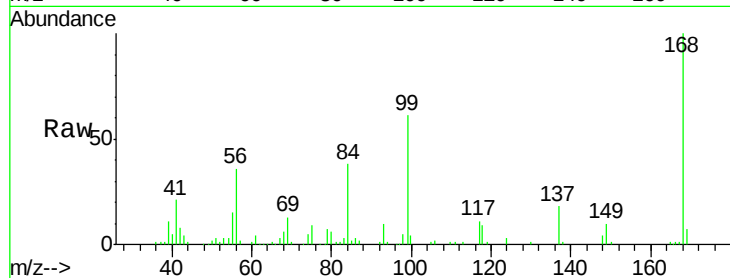
VD0629SBSD01

Tot Ion:168 Resp: 170968

Ion Ratio Lower Upper

168 100

99 60.6 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

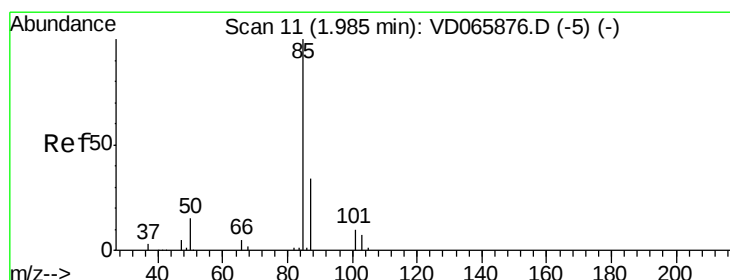
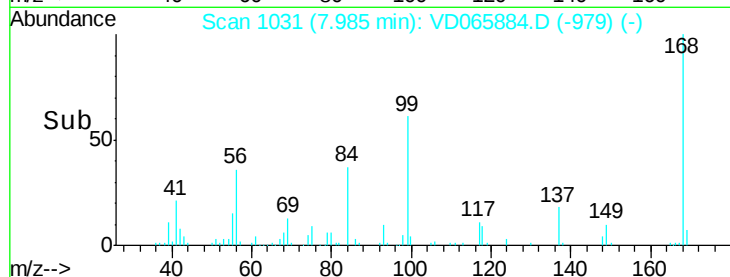
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.179 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065884.D

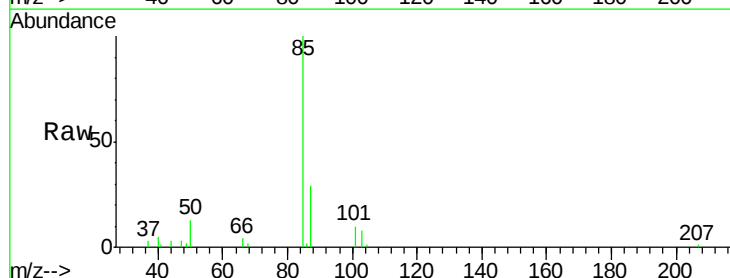
Acq: 29 Jun 2020 14:14

Tgt Ion: 85 Resp: 37893

Ion Ratio Lower Upper

85 100

87 29.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

25000

20000

15000

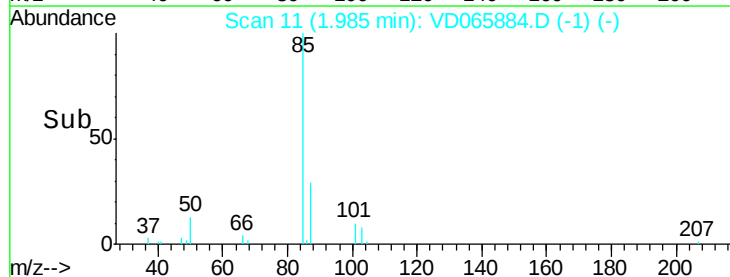
10000

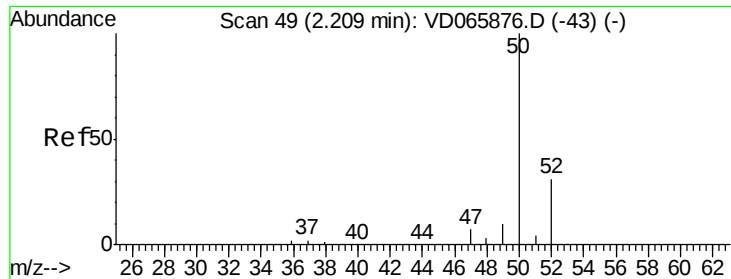
5000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.931 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

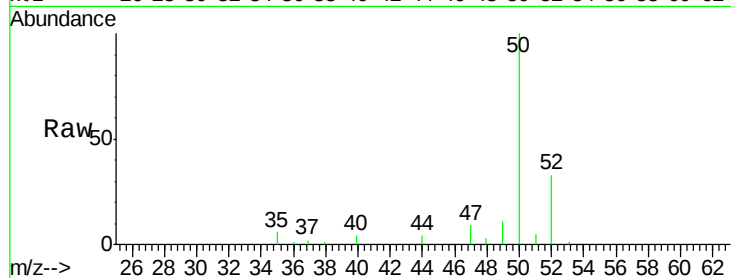
VD0629SBSD01

Tot Ion: 50 Resp: 49826

Ion Ratio Lower Upper

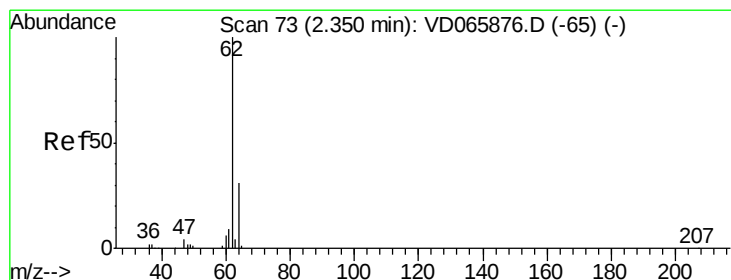
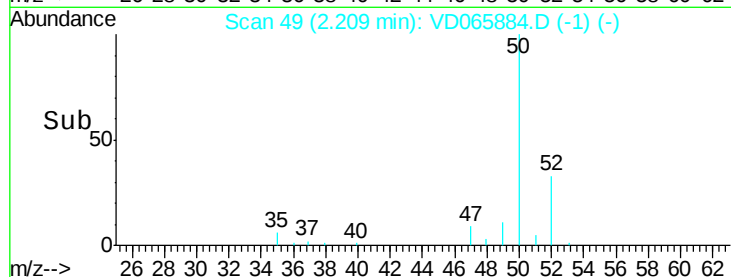
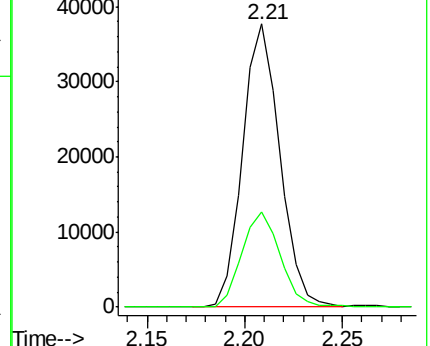
50 100

52 33.5 24.7 37.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.700 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065884.D

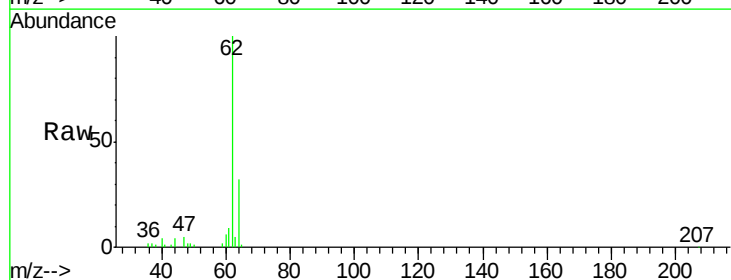
Acq: 29 Jun 2020 14:14

Tgt Ion: 62 Resp: 52170

Ion Ratio Lower Upper

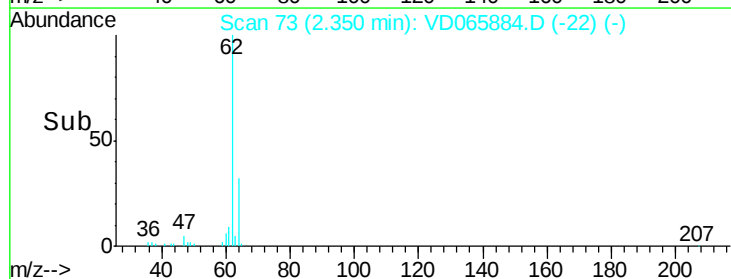
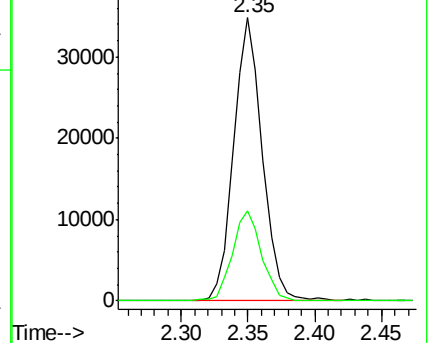
62 100

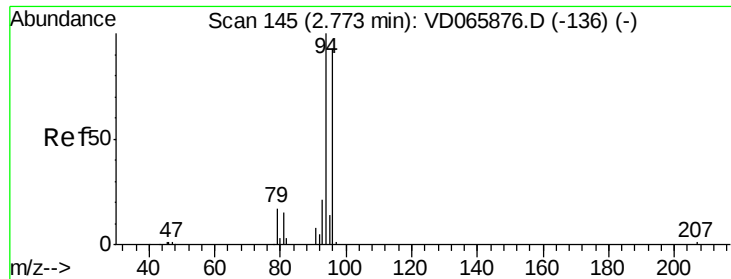
64 32.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.387 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

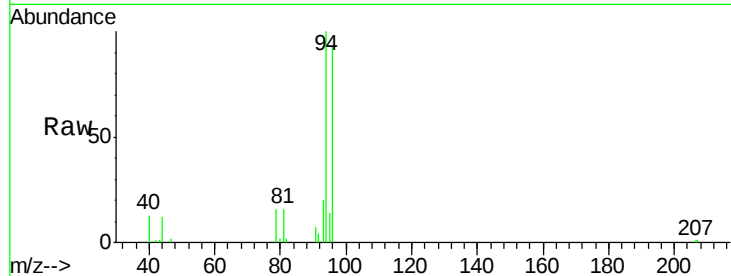
VD0629SBSD01

Tot Ion: 94 Resp: 33606

Ion Ratio Lower Upper

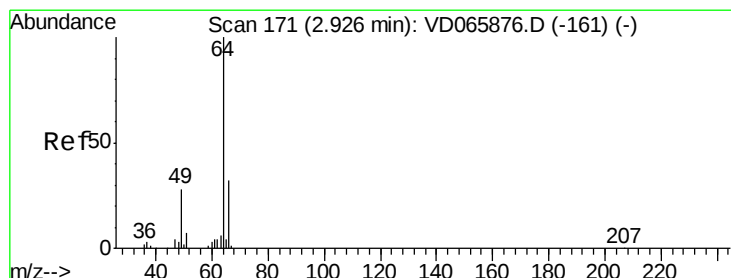
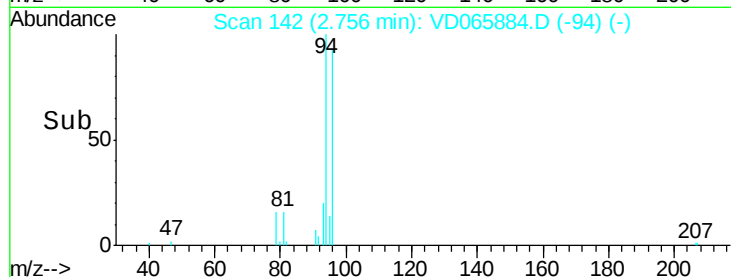
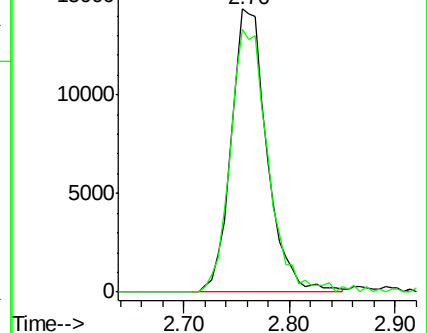
94 100

96 93.0 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.211 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065884.D

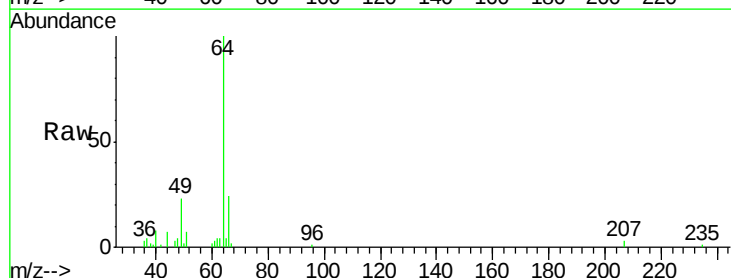
Acq: 29 Jun 2020 14:14

Tgt Ion: 64 Resp: 30531

Ion Ratio Lower Upper

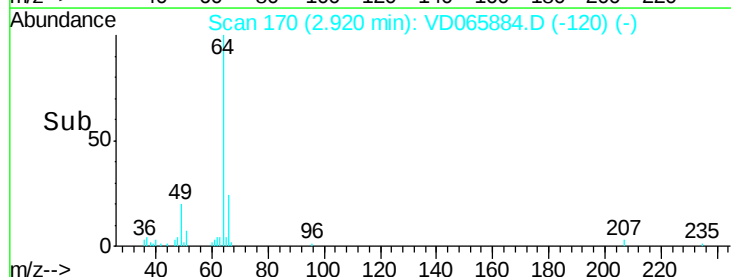
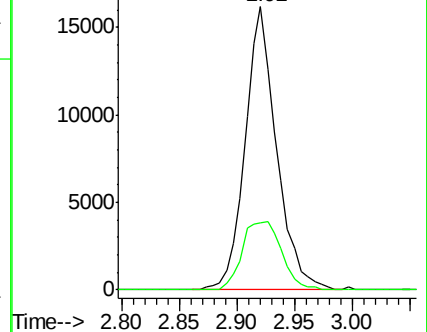
64 100

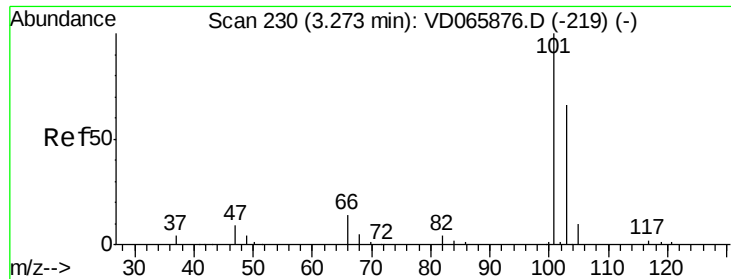
66 23.8 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



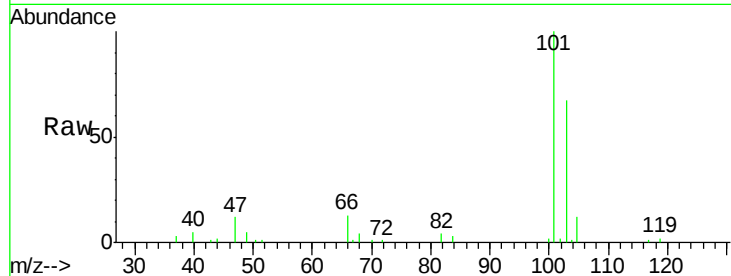


#7

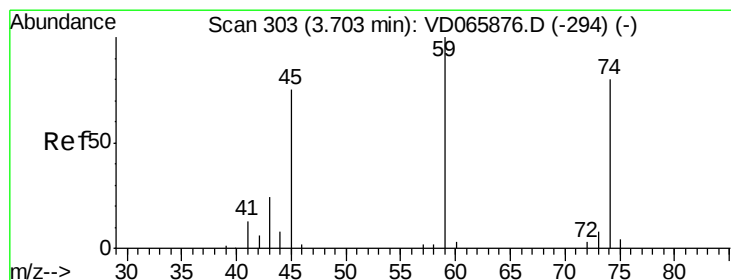
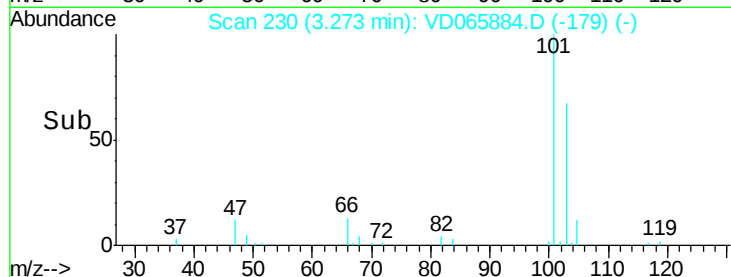
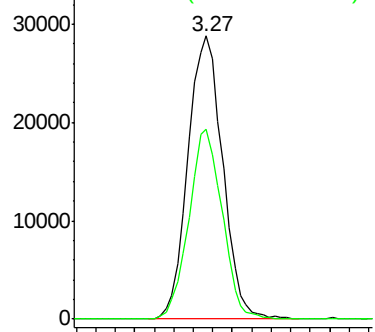
Trichlorofluoromethane
 Concen: 22.373 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBSD01

Tot Ion:101 Resp: 71078
 Ion Ratio Lower Upper
 101 100
 103 67.2 52.9 79.3



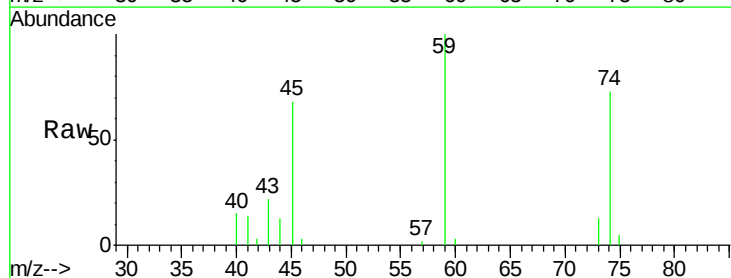
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



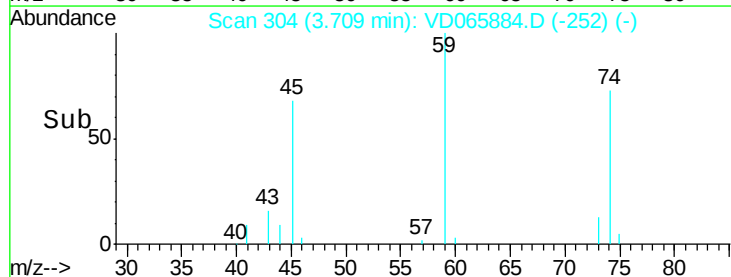
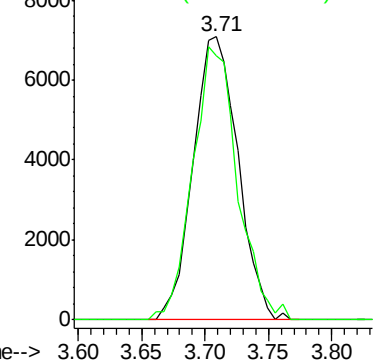
#8

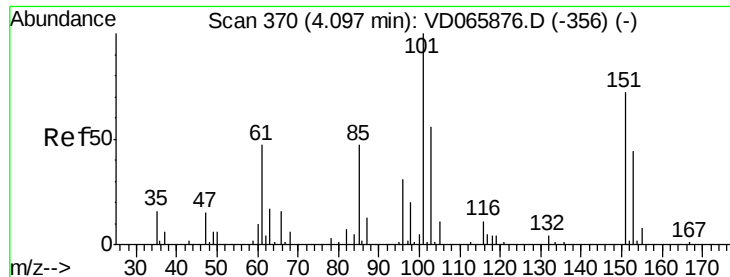
Diethyl Ether
 Concen: 20.795 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Tgt Ion: 74 Resp: 17368
 Ion Ratio Lower Upper
 74 100
 45 96.8 48.6 145.8



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: 21.059 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

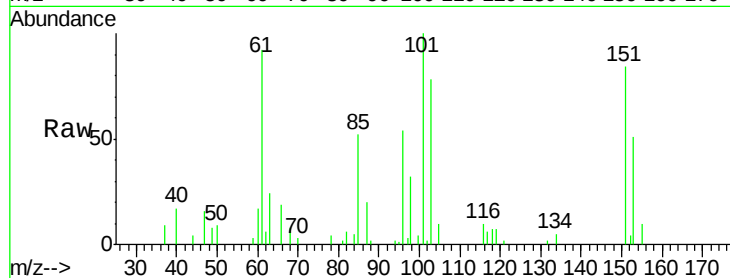
Tot Ion:101 Resp: 37702

Ion Ratio Lower Upper

101 100

85 47.7 38.6 58.0

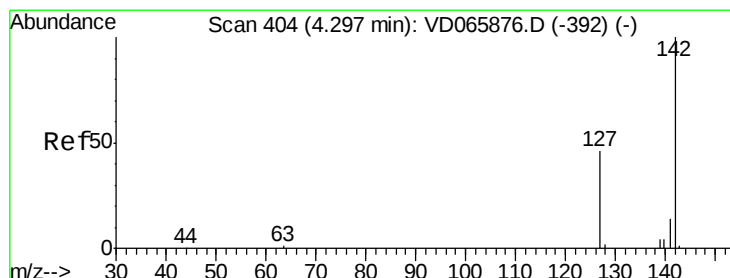
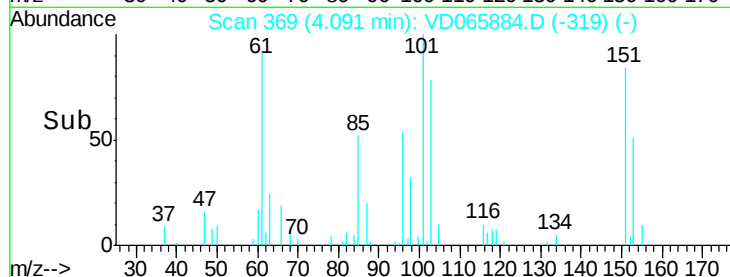
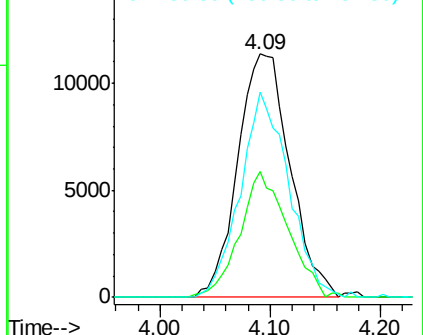
151 78.0 60.7 91.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.416 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

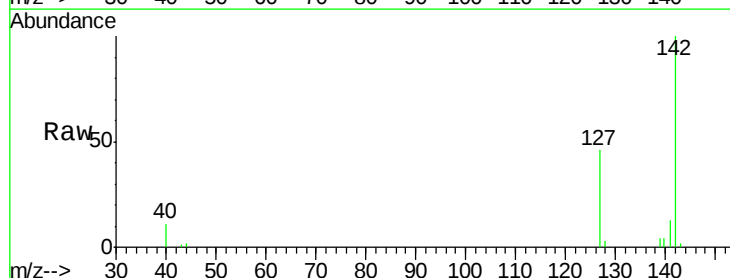
Tgt Ion:142 Resp: 35985

Ion Ratio Lower Upper

142 100

127 48.7 39.0 58.6

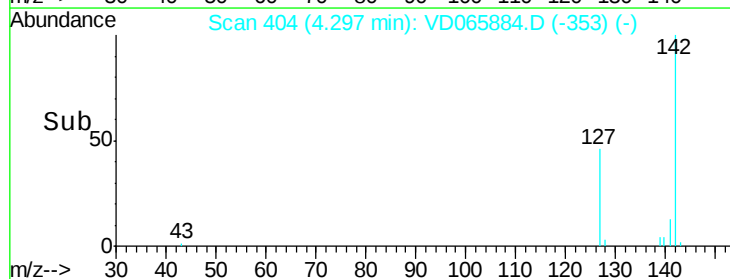
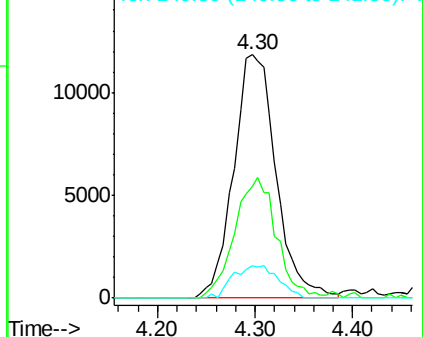
141 14.1 11.5 17.3

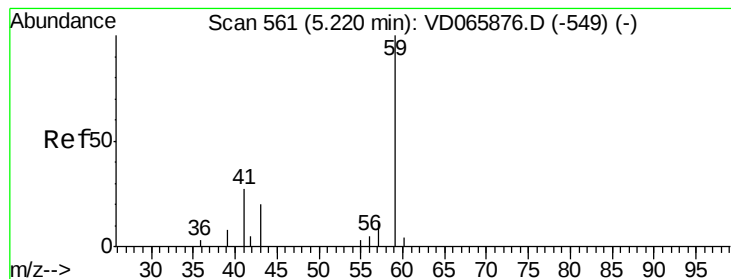


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



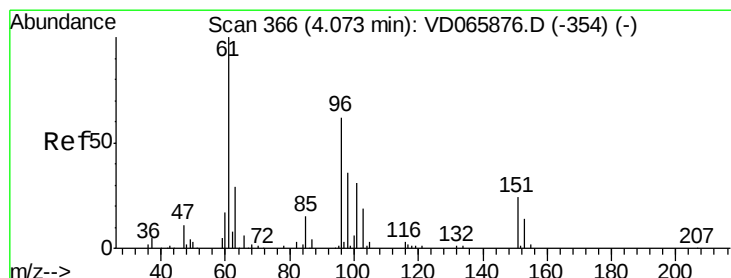
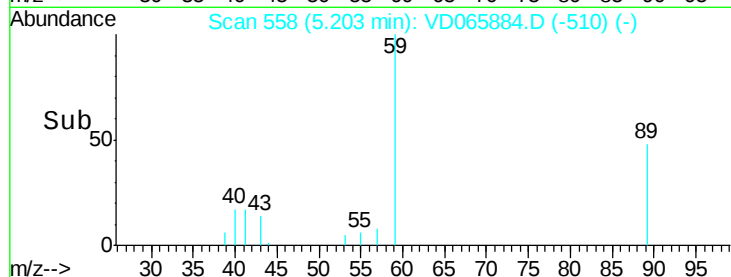
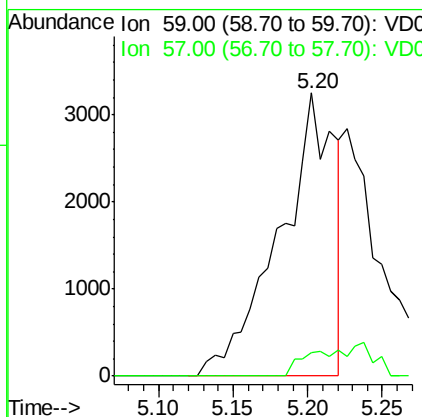
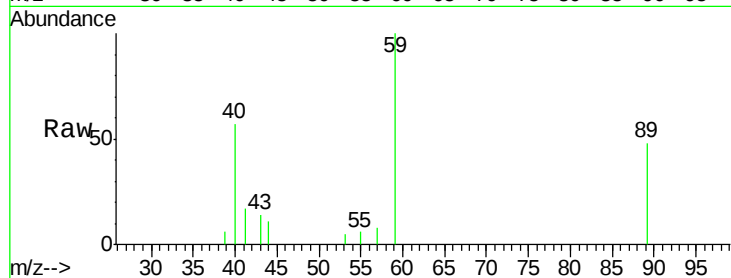


#11

Tert butyl alcohol
 Concen: 86.607 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBSD01

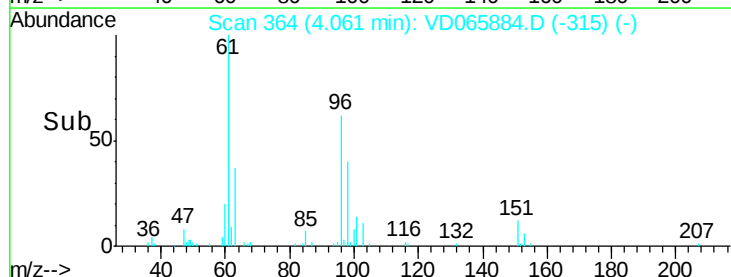
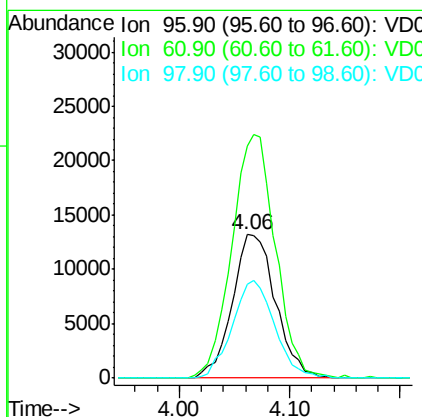
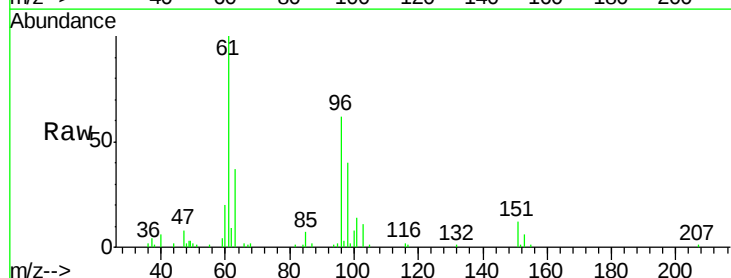
Tot Ion: 59 Resp: 8344
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.7 14.5#

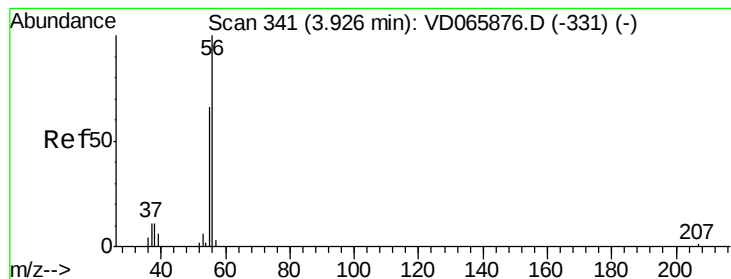


#12

1,1-Dichloroethene
 Concen: 21.711 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Tgt Ion: 96 Resp: 36229
 Ion Ratio Lower Upper
 96 100
 61 161.9 128.3 192.5
 98 65.5 46.2 69.2





#13

Acrolein

Concen: 105.410 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

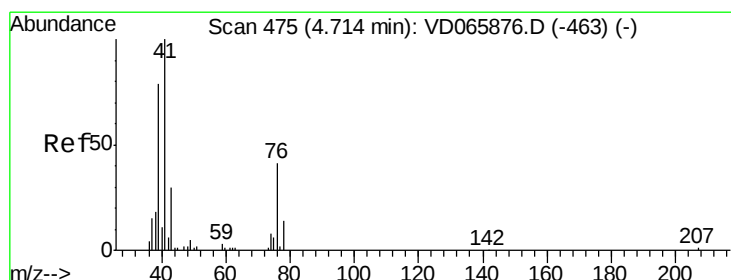
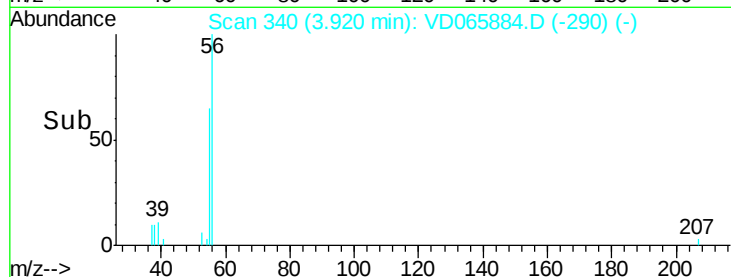
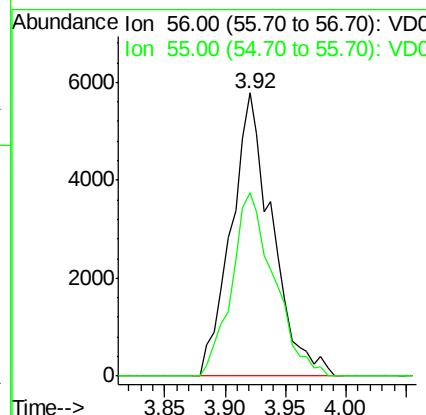
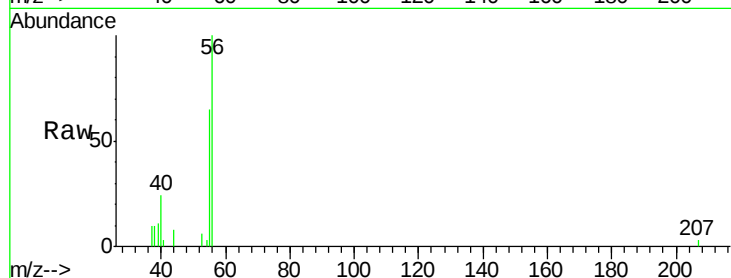
VD0629SBSD01

Tot Ion: 56 Resp: 13607

Ion Ratio Lower Upper

56 100

55 67.3 58.1 87.1



#14

Allyl chloride

Concen: 21.823 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

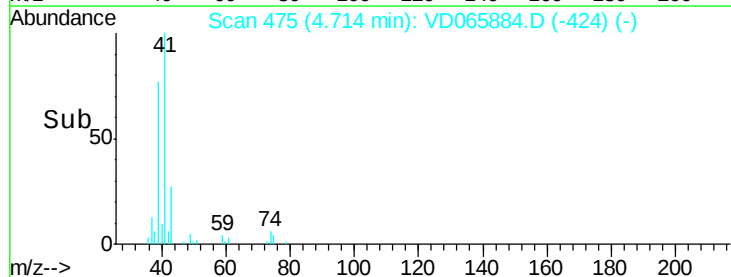
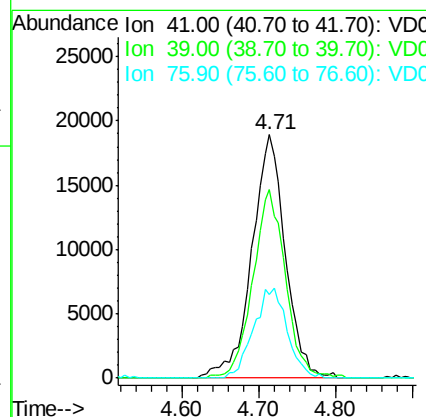
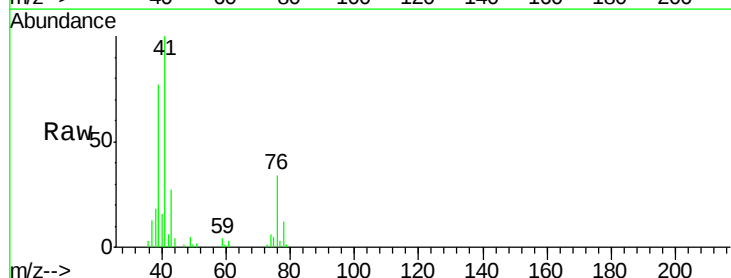
Tgt Ion: 41 Resp: 57444

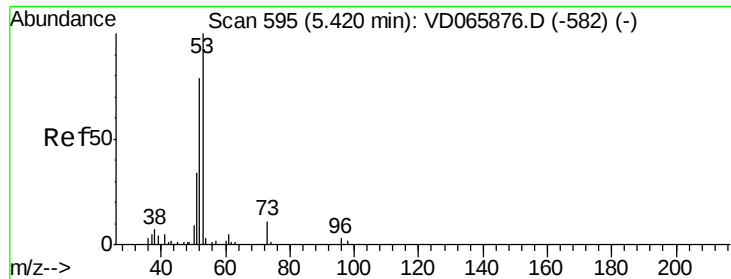
Ion Ratio Lower Upper

41 100

39 75.6 63.8 95.8

76 37.2 32.2 48.4





#15

Acrylonitrile

Concen: 101.053 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBS01

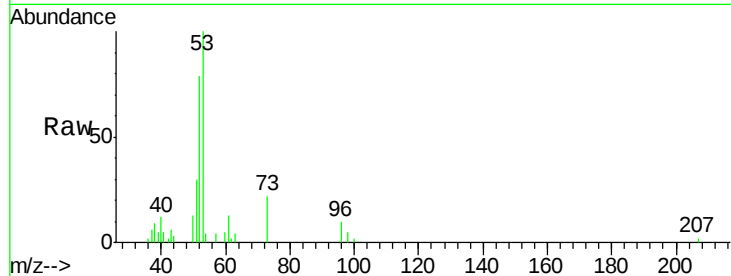
Tot Ion: 53 Resp: 35878

Ion Ratio Lower Upper

53 100

52 84.8 66.3 99.5

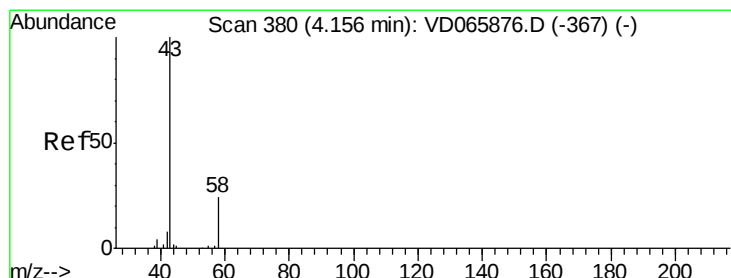
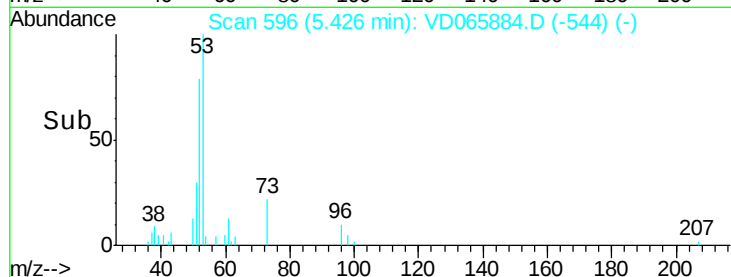
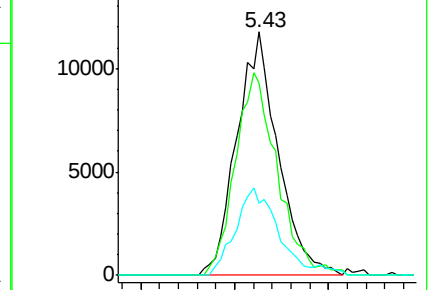
51 37.9 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 101.698 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065884.D

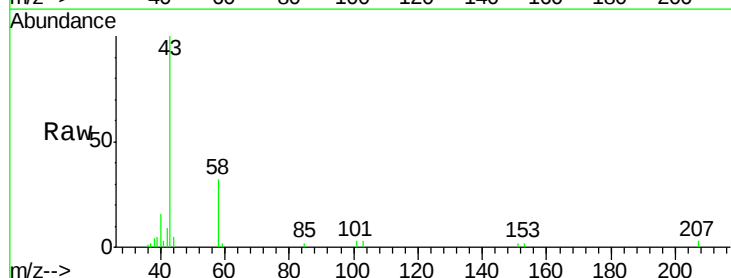
Acq: 29 Jun 2020 14:14

Tgt Ion: 43 Resp: 35391

Ion Ratio Lower Upper

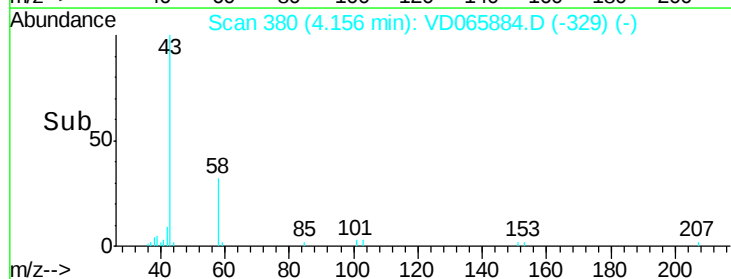
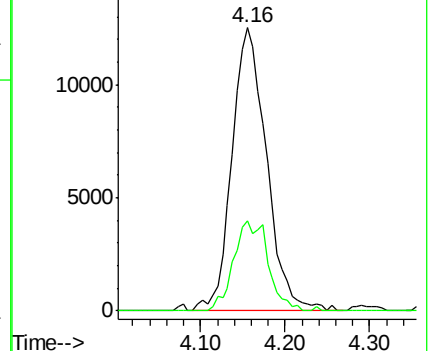
43 100

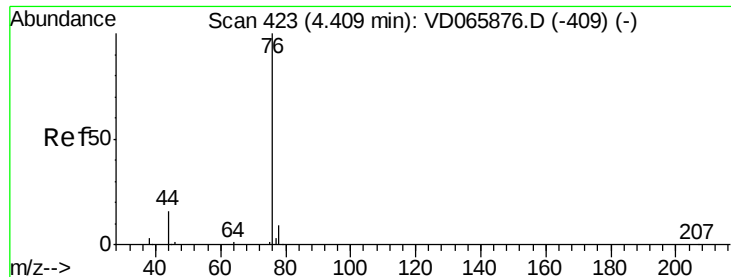
58 31.7 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

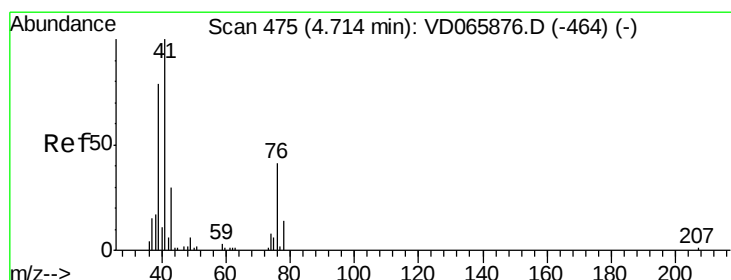
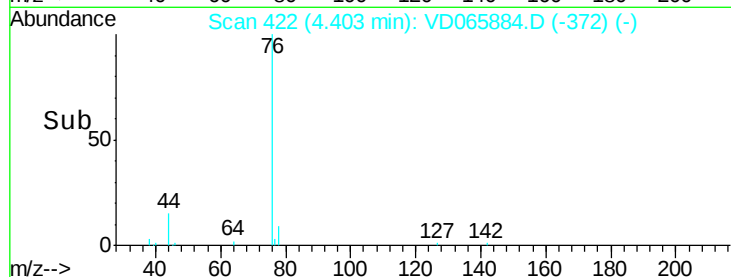
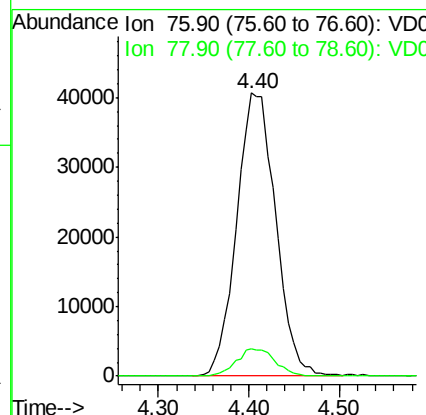
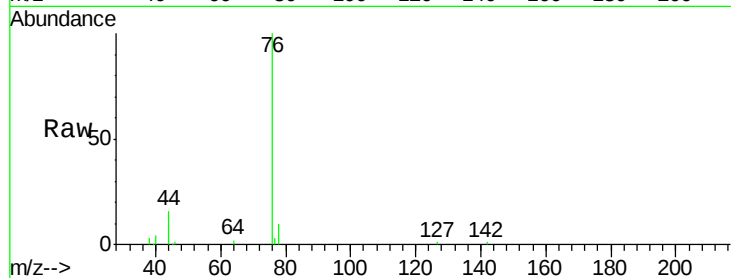




#17
Carbon Disulfide
Concen: 21.571 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

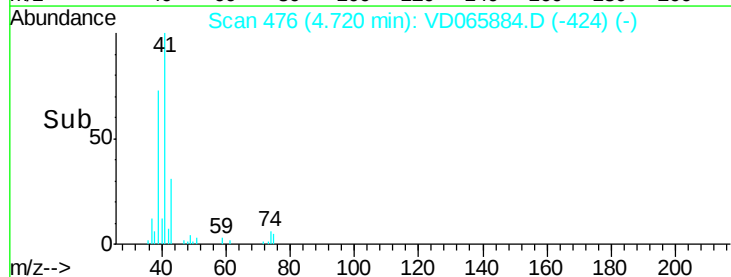
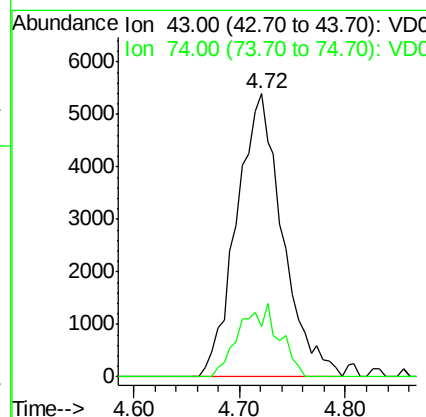
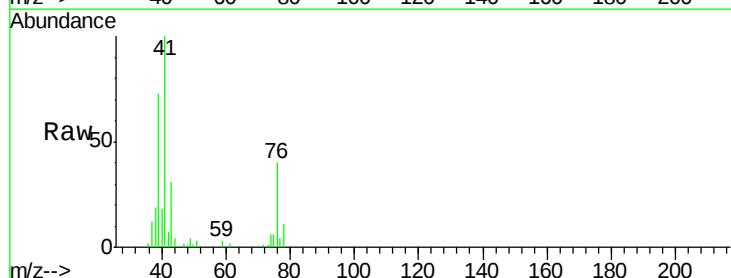
Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

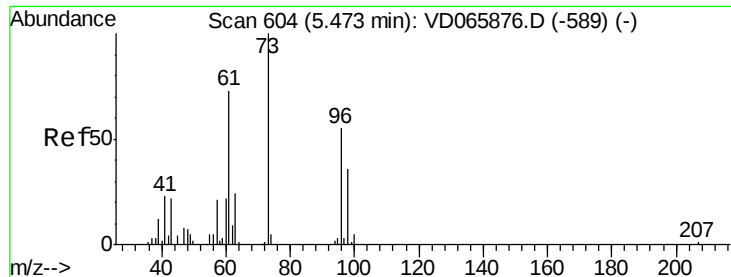
Tot Ion: 76 Resp: 121609
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#18
Methyl Acetate
Concen: 21.099 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion: 43 Resp: 16281
Ion Ratio Lower Upper
43 100
74 22.4 20.2 30.2



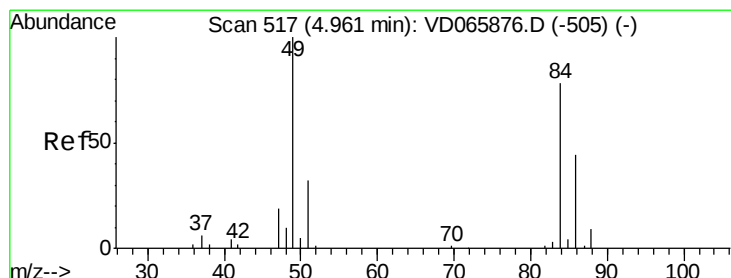
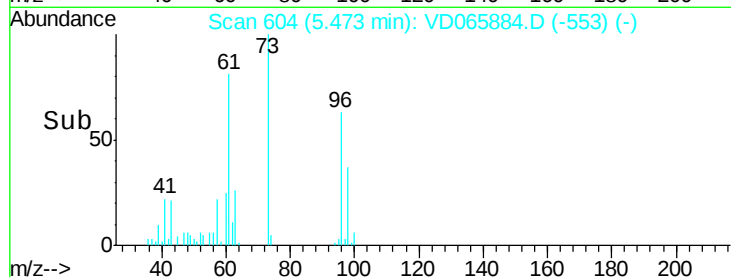
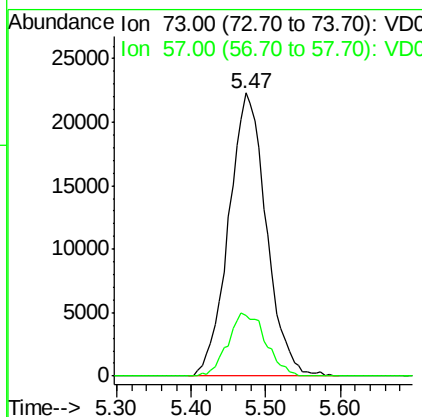
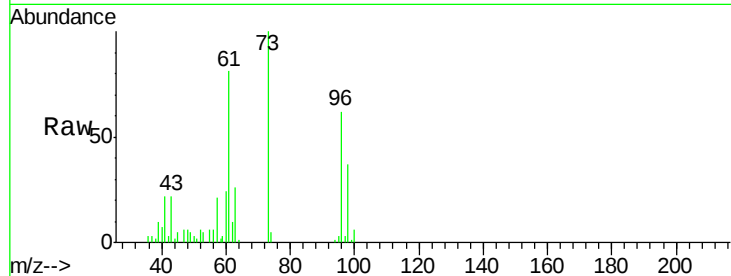


#19

Methyl tert-butyl Ether
 Concen: 21.321 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBS01

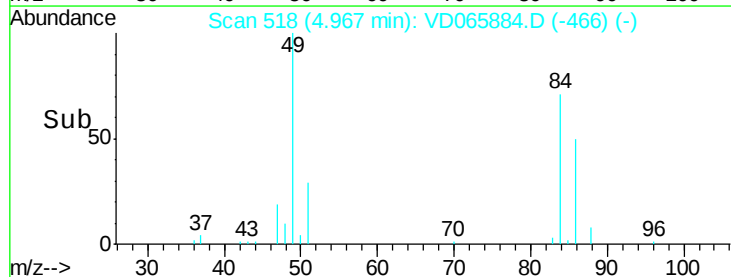
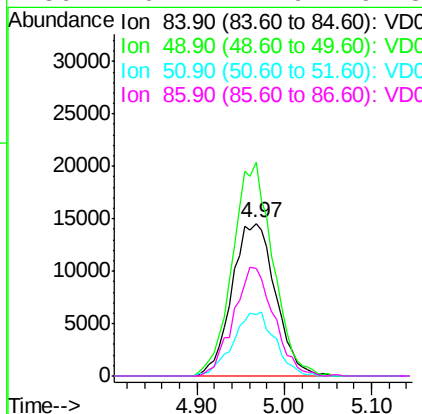
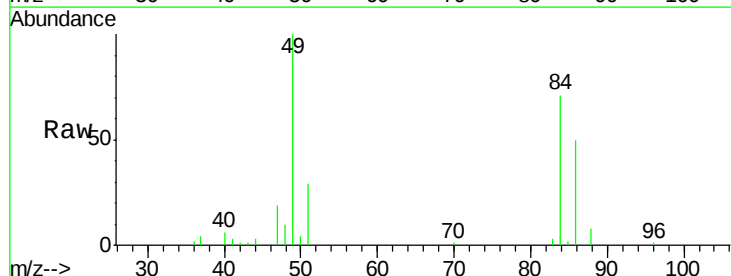
Tot Ion: 73 Resp: 78017
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.0 25.4

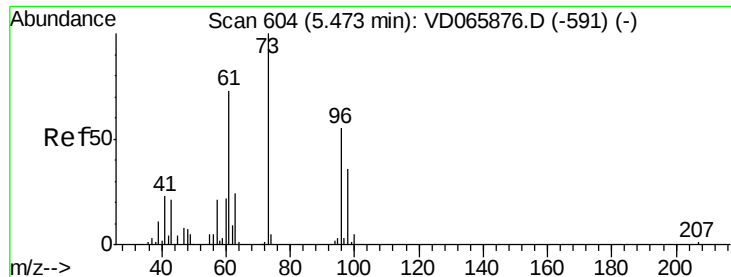


#20

Methylene Chloride
 Concen: 24.485 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Tgt Ion: 84 Resp: 49469
 Ion Ratio Lower Upper
 84 100
 49 140.0 103.0 154.6
 51 40.7 32.7 49.1
 86 70.2 44.9 67.3#





#21

trans-1,2-Dichloroethene

Concen: 21.600 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

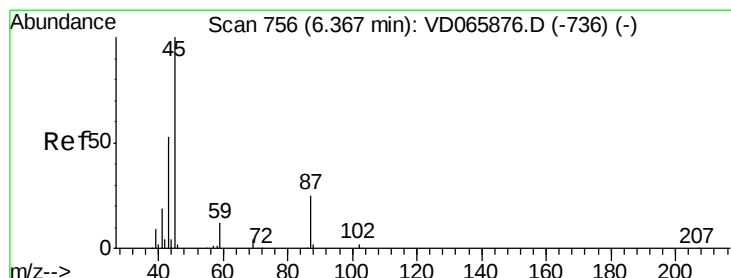
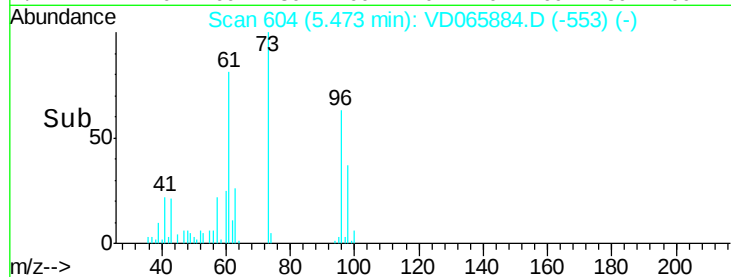
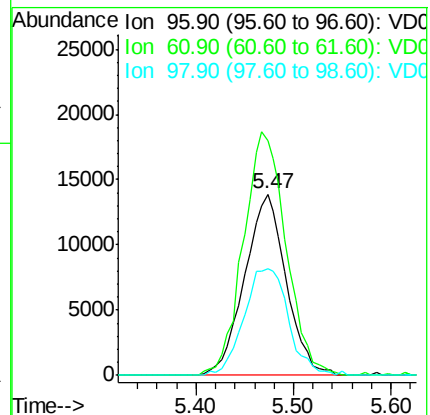
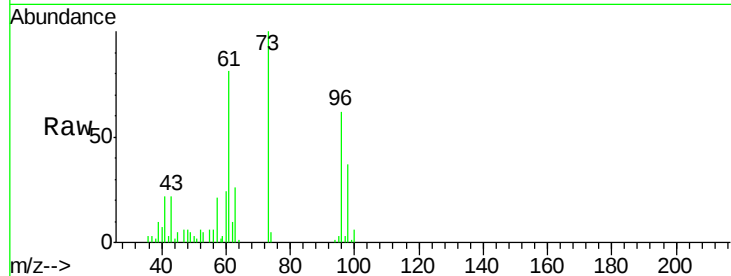
Tot Ion: 96 Resp: 41275

Ion Ratio Lower Upper

96 100

61 129.5 107.0 160.4

98 59.0 52.2 78.2



#22

Diisopropyl ether

Concen: 21.230 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Tgt Ion: 45 Resp: 116549

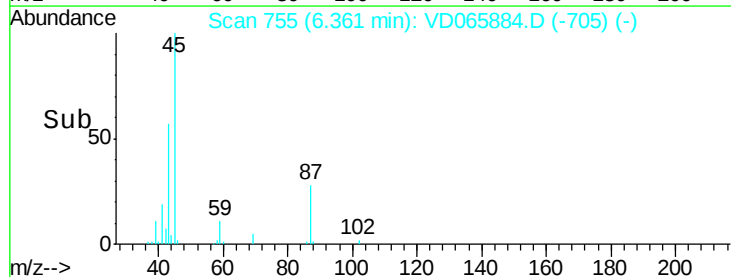
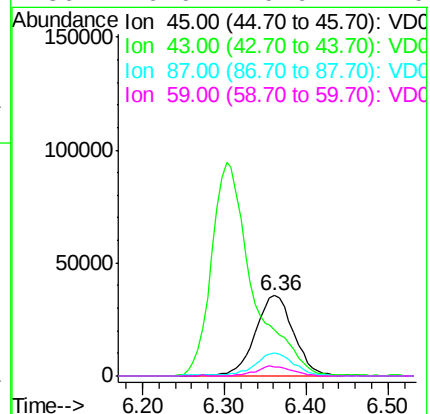
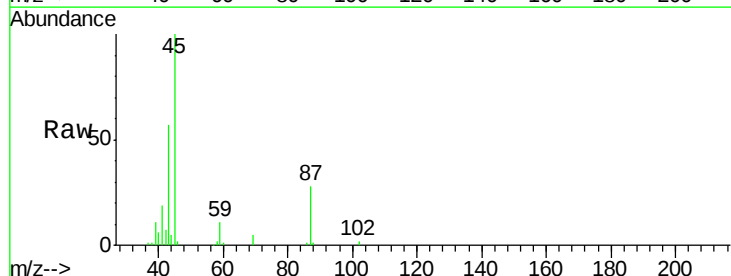
Ion Ratio Lower Upper

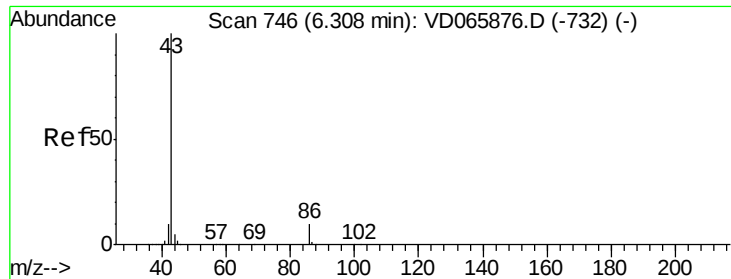
45 100

43 56.0 43.4 65.0

87 27.7 19.8 29.8

59 10.9 9.9 14.9





#23

Vinyl Acetate

Concen: 104.065 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleID :

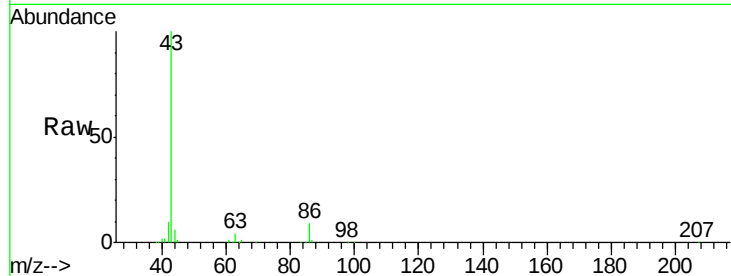
VD0629SBSD01

Tot Ion: 43 Resp: 330191

Ion Ratio Lower Upper

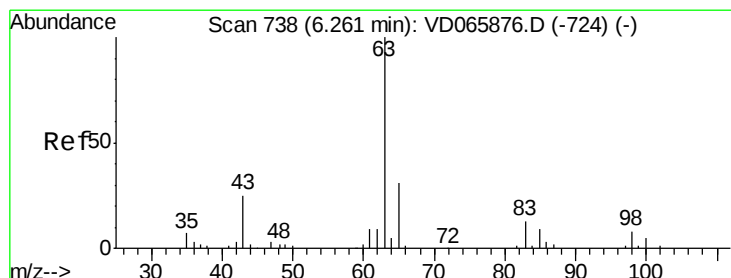
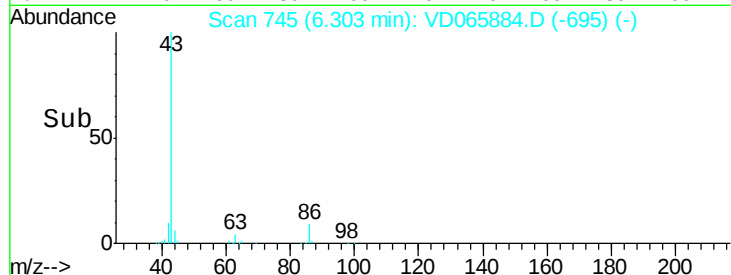
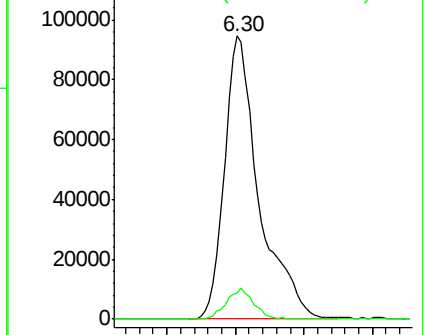
43 100

86 9.3 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.372 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

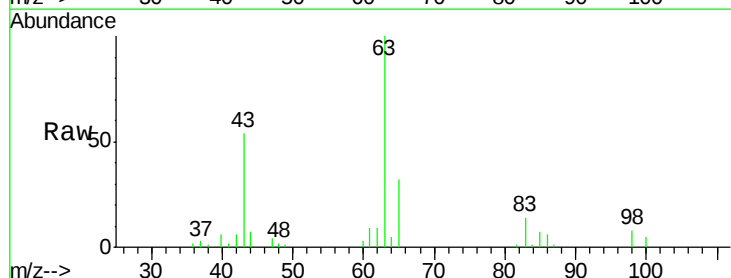
Tgt Ion: 63 Resp: 69996

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

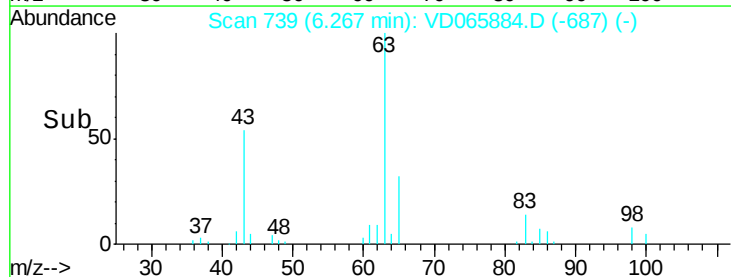
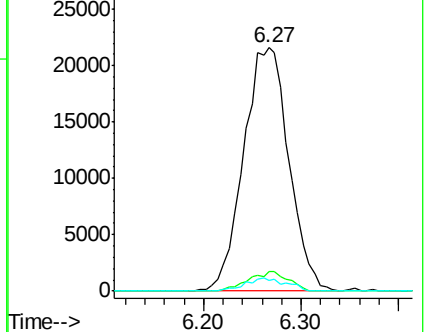
100 4.6 2.4 7.2

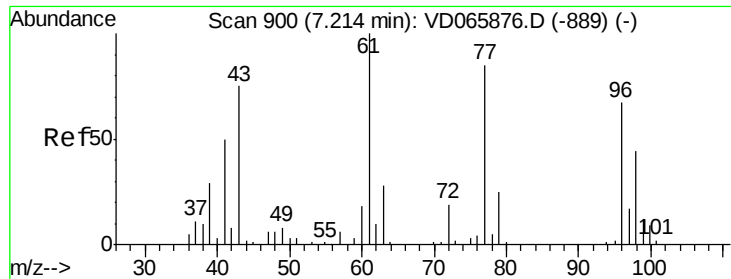


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 107.118 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

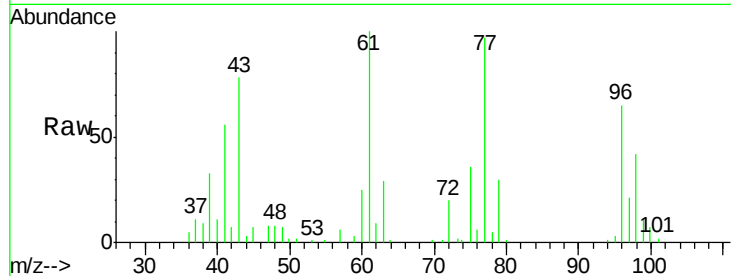
VD0629SBSD01

Tot Ion: 43 Resp: 49747

Ion Ratio Lower Upper

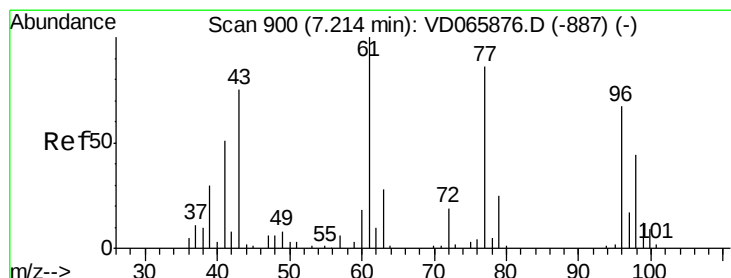
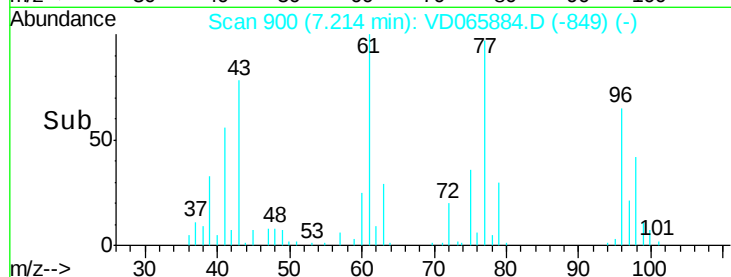
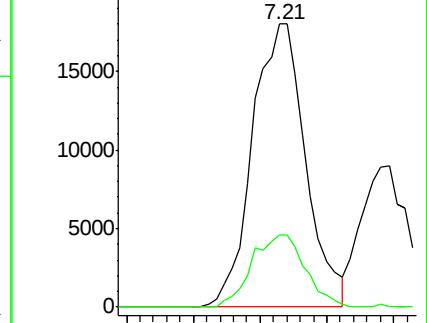
43 100

72 25.6 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.567 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065884.D

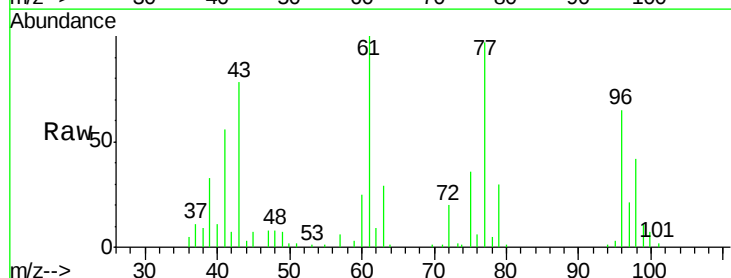
Acq: 29 Jun 2020 14:14

Tgt Ion: 77 Resp: 67827

Ion Ratio Lower Upper

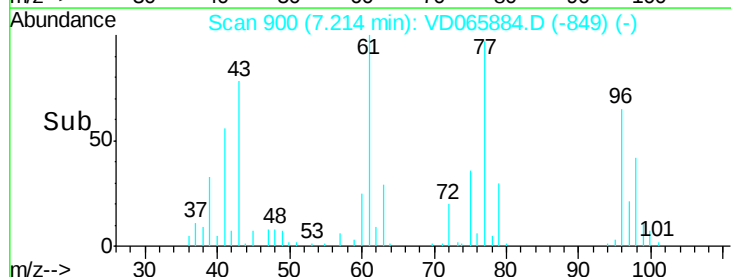
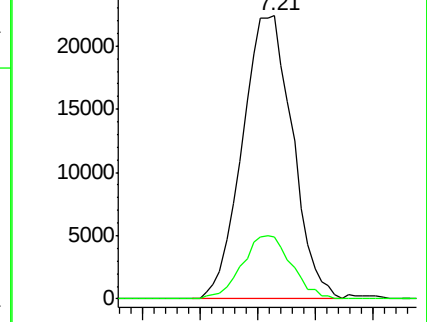
77 100

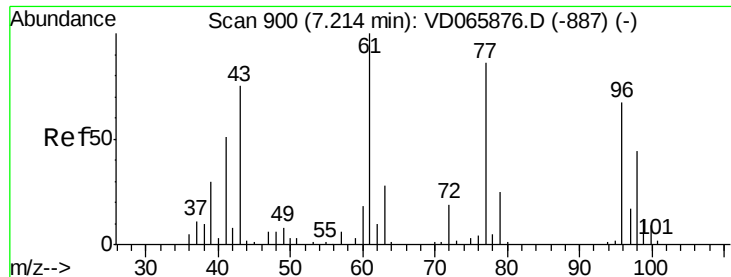
97 21.8 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



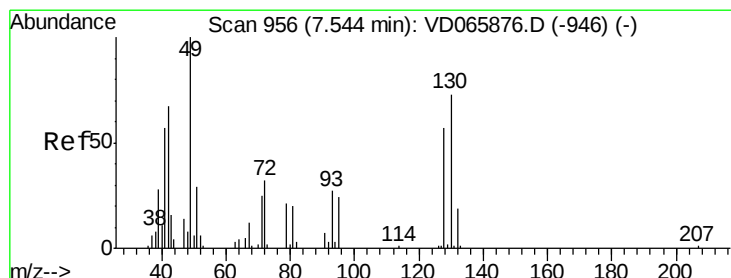
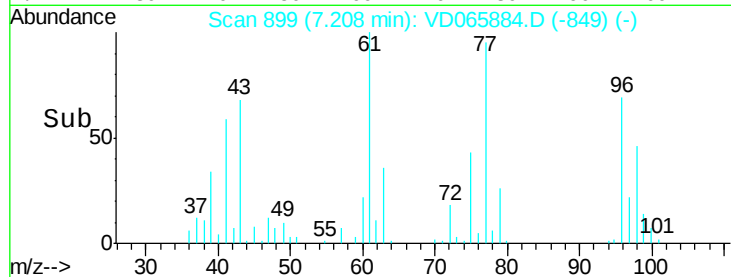
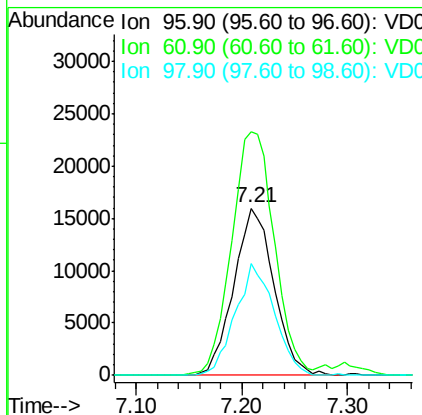
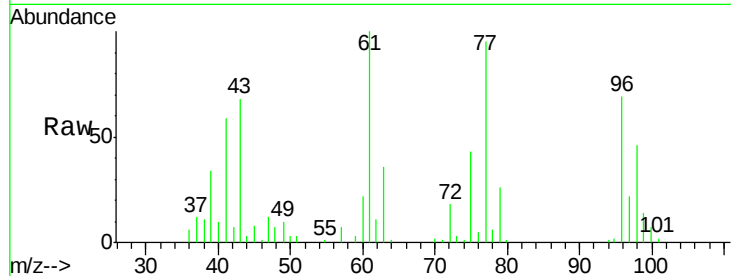


#27

cis-1,2-Dichloroethene
 Concen: 19.932 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBSD01

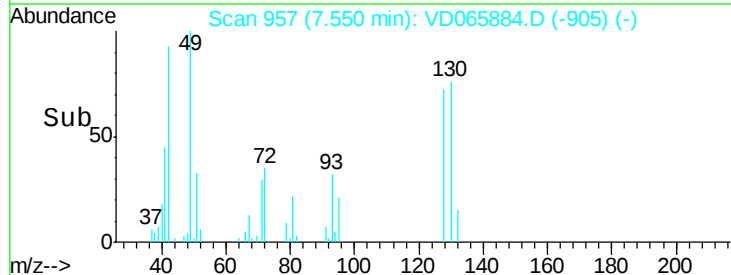
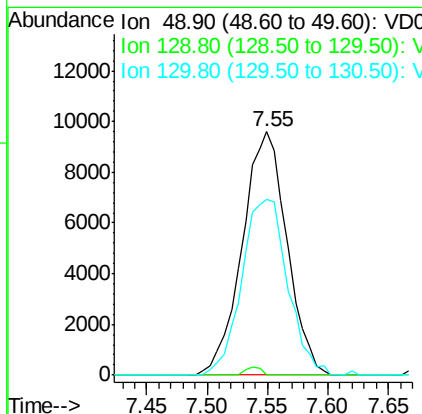
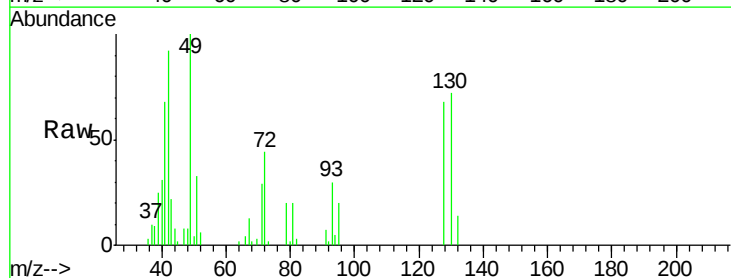
Tot Ion: 96 Resp: 42141
 Ion Ratio Lower Upper
 96 100
 61 155.2 0.0 297.8
 98 64.8 0.0 129.8

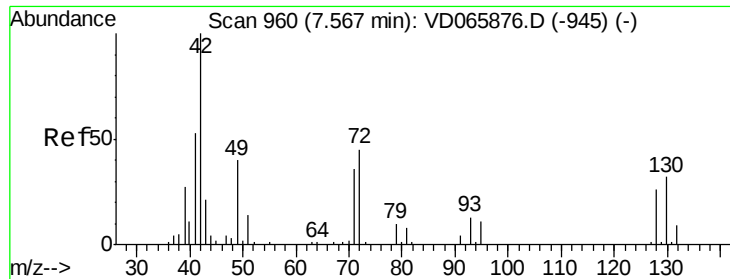


#28

Bromochloromethane
 Concen: 20.036 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Tgt Ion: 49 Resp: 24660
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 4.4
 130 74.3 61.0 91.6

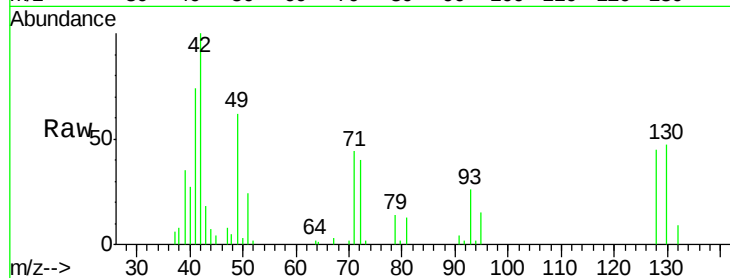




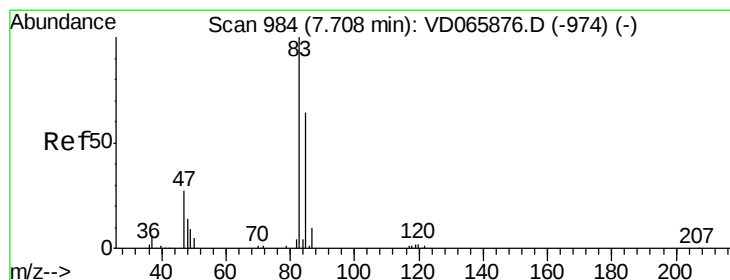
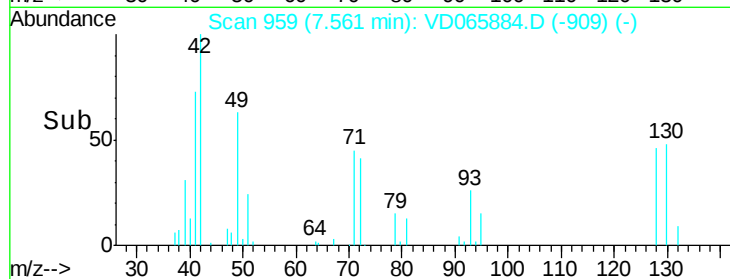
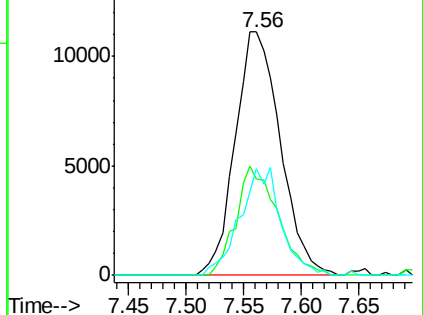
#29
Tetrahydrofuran
Concen: 103.012 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

Tot Ion: 42 Resp: 30389
Ion Ratio Lower Upper
42 100
72 41.4 35.3 52.9
71 39.9 32.6 48.8

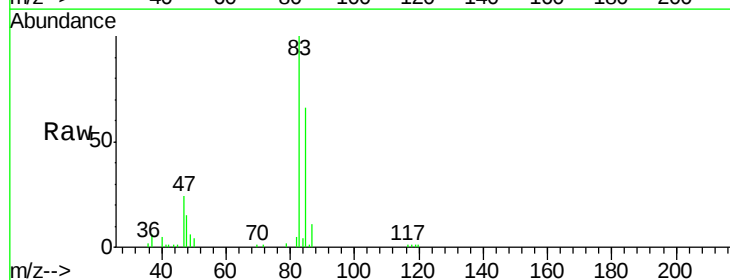


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

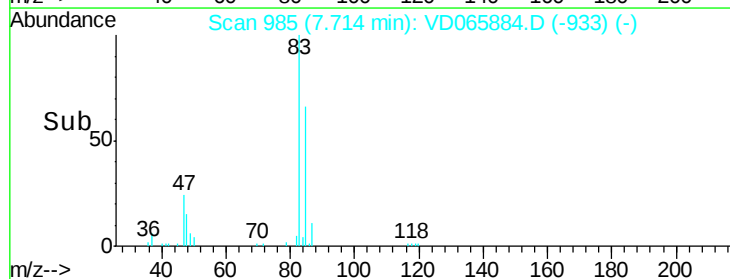
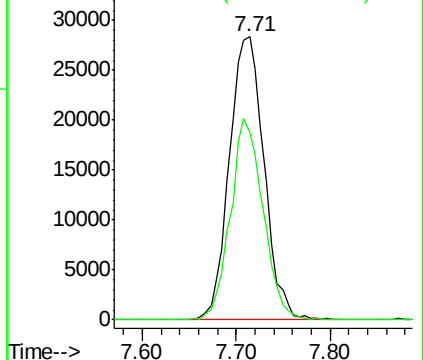


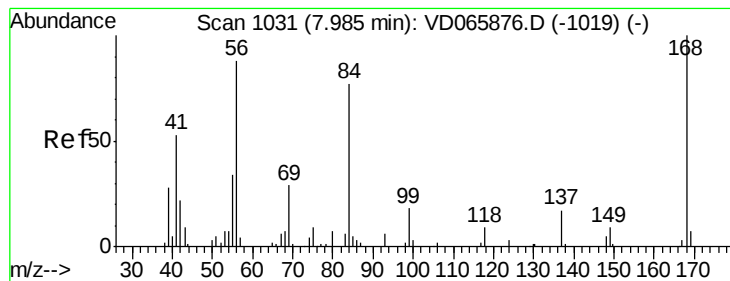
#30
Chloroform
Concen: 20.724 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion: 83 Resp: 72672
Ion Ratio Lower Upper
83 100
85 66.2 51.2 76.8



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





#31

Cyclohexane

Concen: 21.511 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

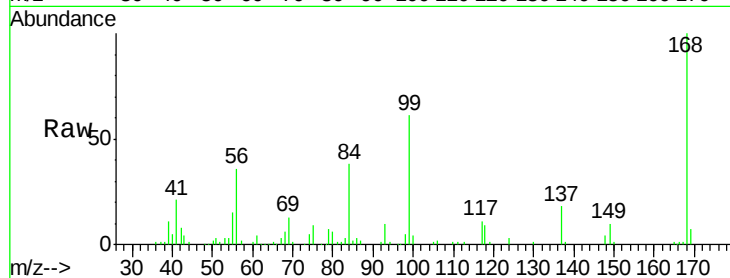
Tot Ion: 56 Resp: 68444

Ion Ratio Lower Upper

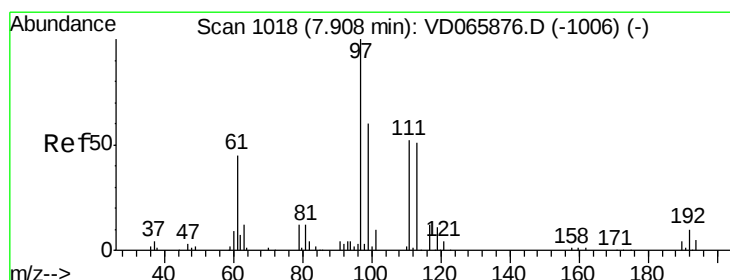
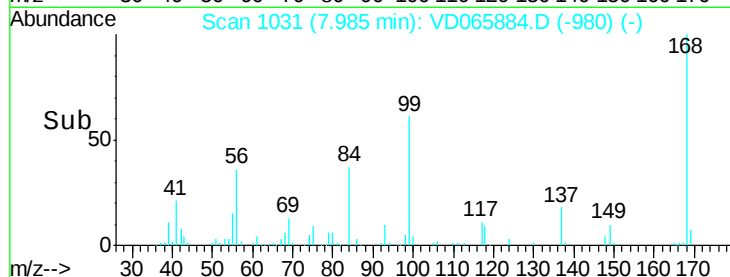
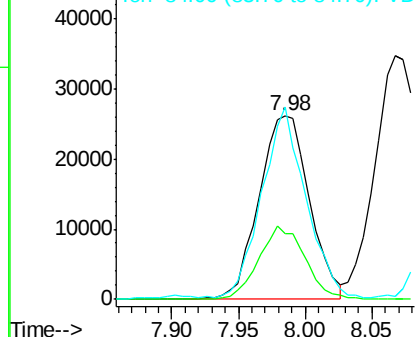
56 100

69 35.5 26.2 39.4

84 102.7 70.3 105.5



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: 21.895 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

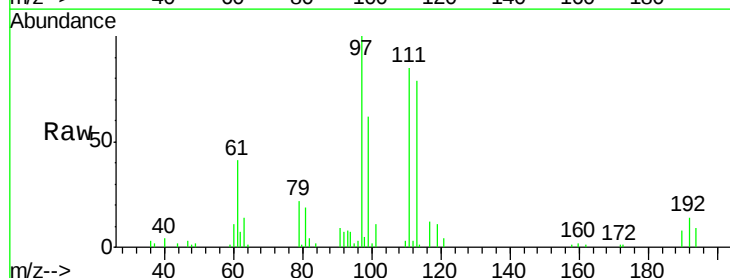
Tgt Ion: 97 Resp: 70454

Ion Ratio Lower Upper

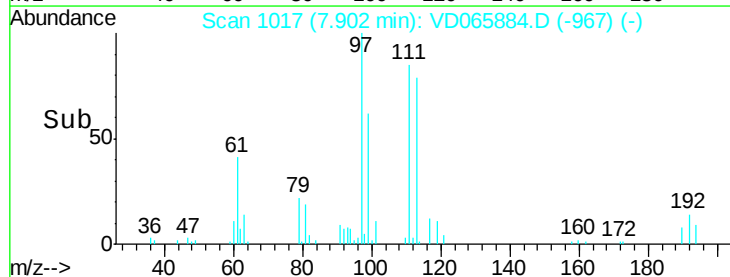
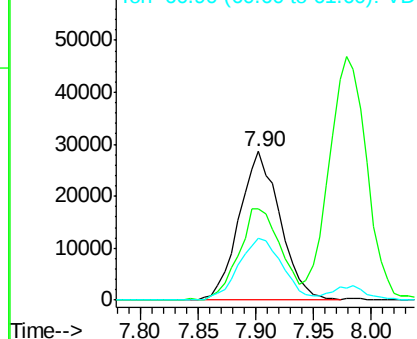
97 100

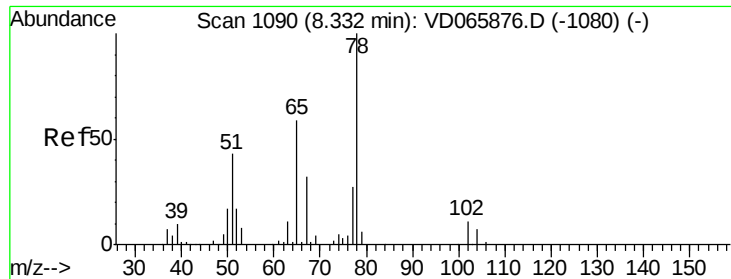
99 62.9 50.2 75.4

61 44.6 36.0 54.0



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: 48.250 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

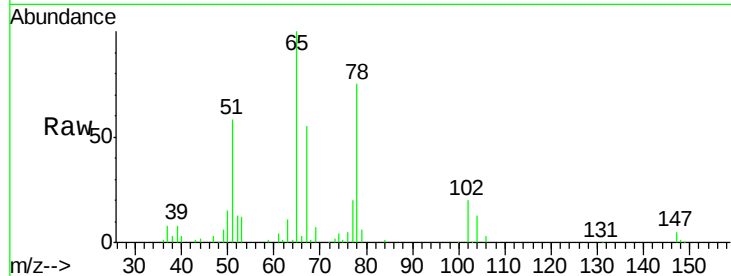
VD0629SBSD01

Tot Ion: 65 Resp: 85702

Ion Ratio Lower Upper

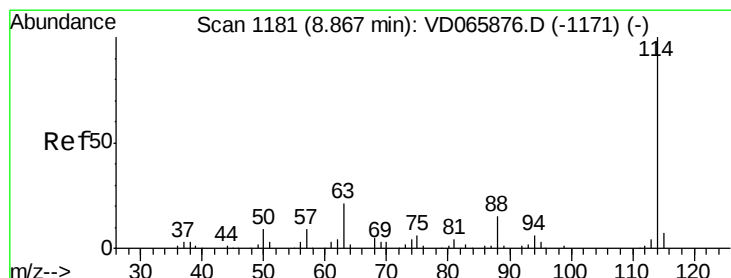
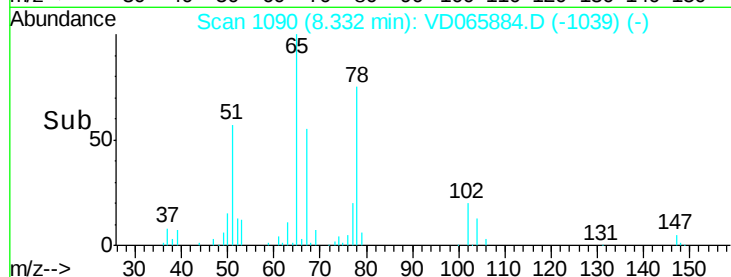
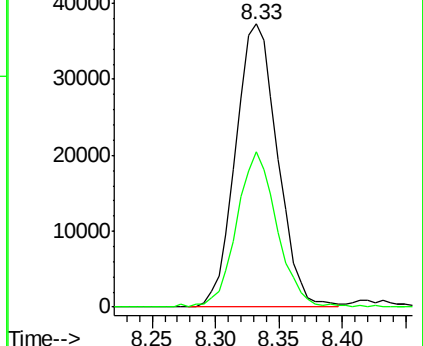
65 100

67 52.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

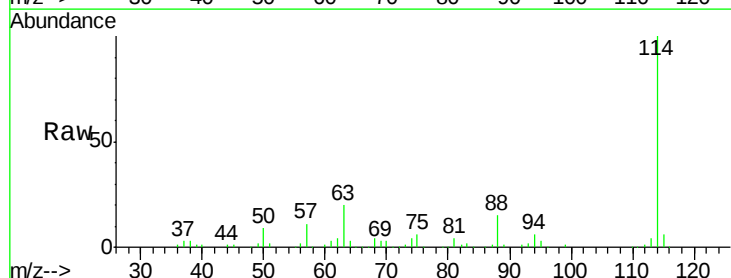
Tgt Ion: 114 Resp: 283055

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

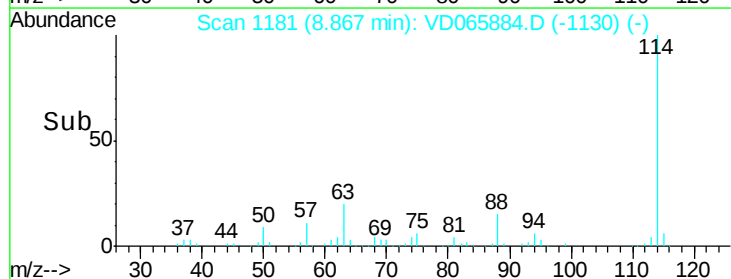
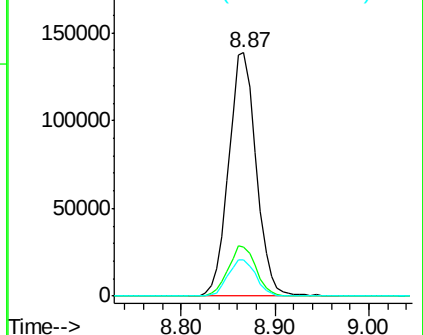
88 14.7 0.0 29.0

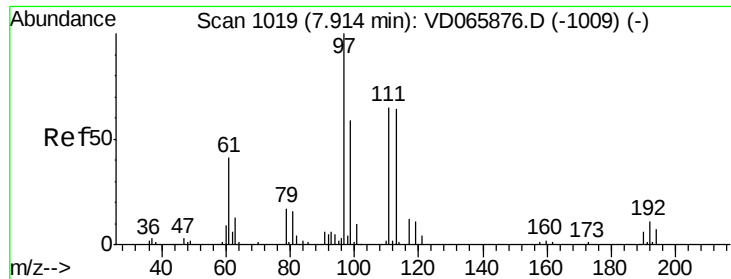


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

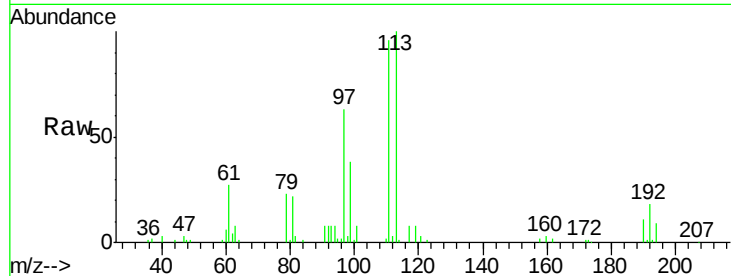




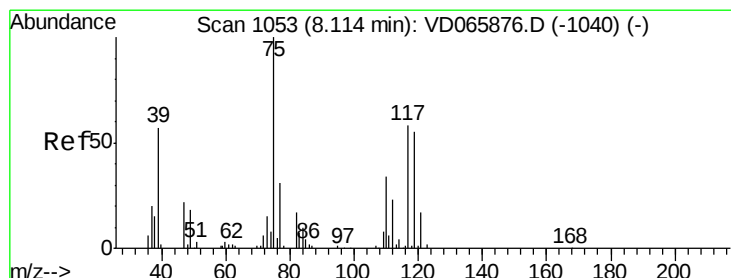
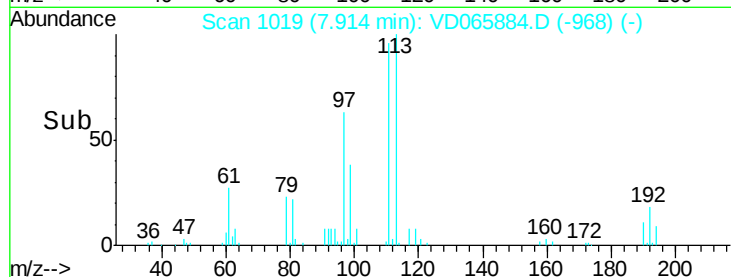
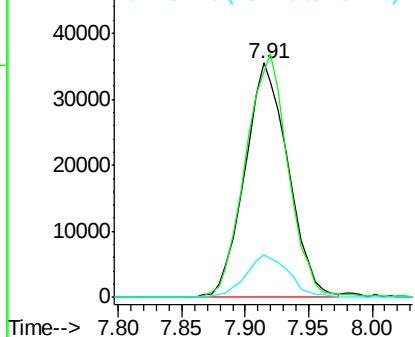
#35
Dibromofluoromethane
Concen: 48.025 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

Tot Ion:113 Resp: 84024
Ion Ratio Lower Upper
113 100
111 103.1 81.0 121.6
192 18.0 15.2 22.8

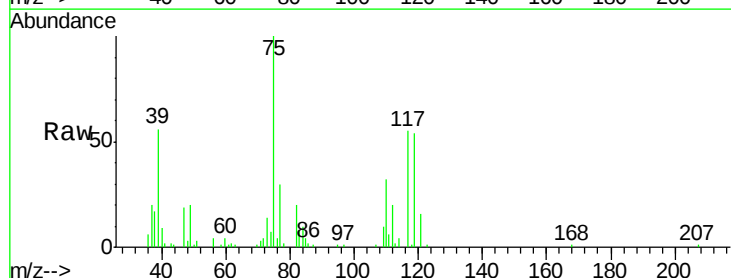


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

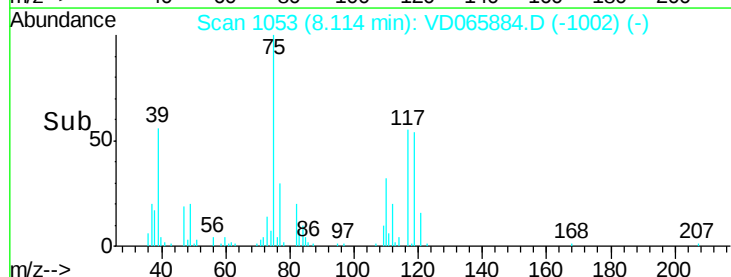
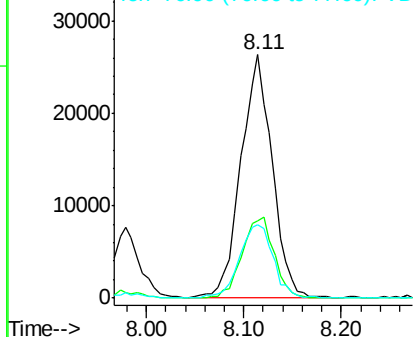


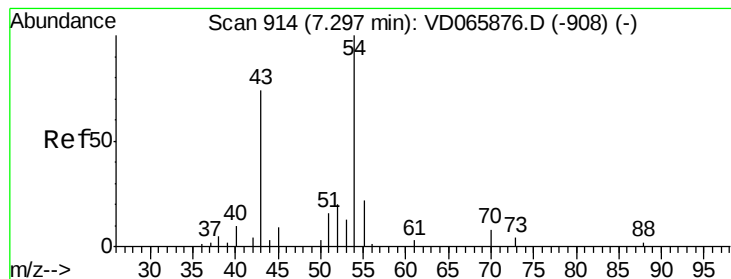
#36
1,1-Dichloropropene
Concen: 21.336 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion: 75 Resp: 58891
Ion Ratio Lower Upper
75 100
110 34.0 16.8 50.4
77 32.5 24.0 36.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC





#37

Ethyl Acetate

Concen: 21.977 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBS01

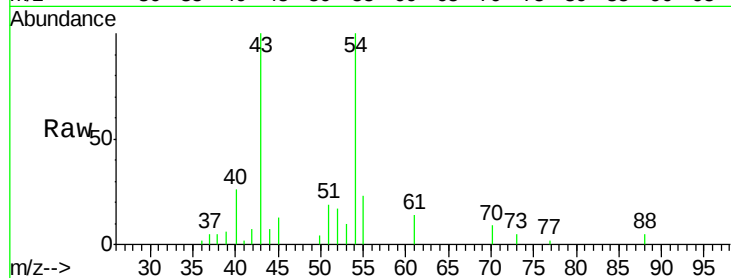
Tot Ion: 43 Resp: 23194

Ion Ratio Lower Upper

43 100

61 12.3 0.0 0.0#

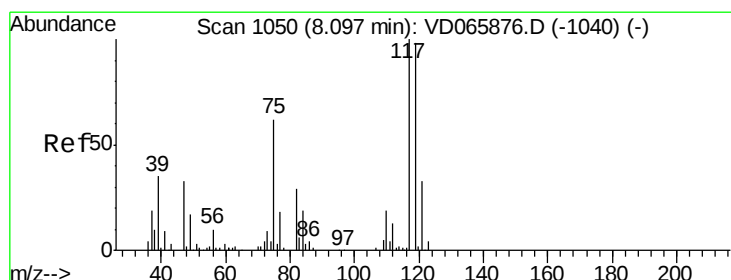
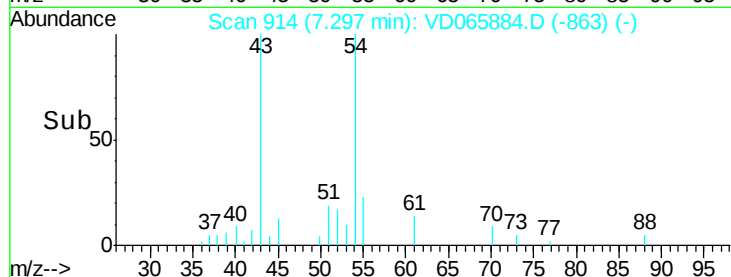
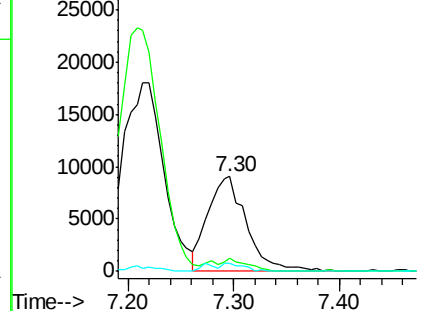
70 4.9 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 21.252 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

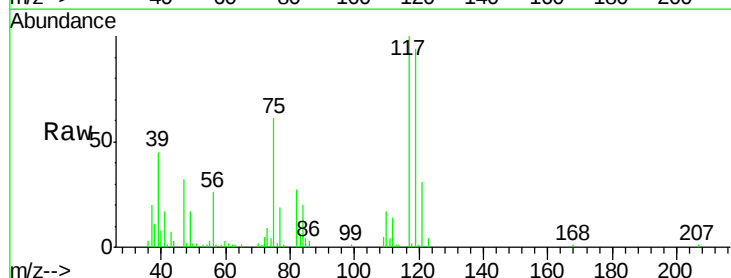
Tgt Ion: 117 Resp: 63341

Ion Ratio Lower Upper

117 100

119 94.5 78.6 117.8

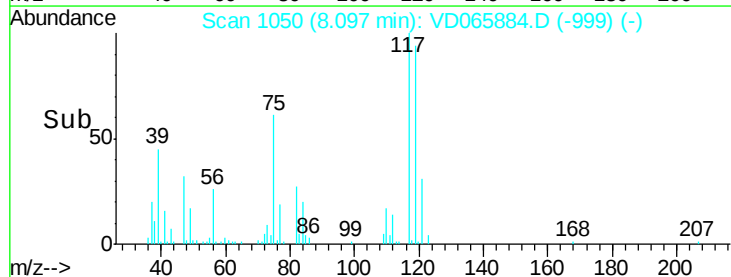
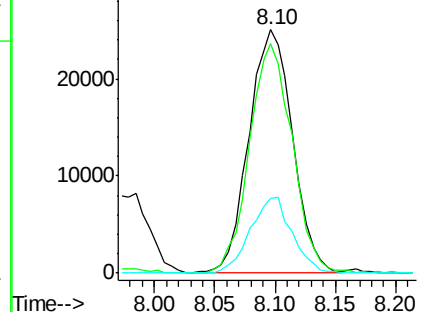
121 30.9 26.5 39.7

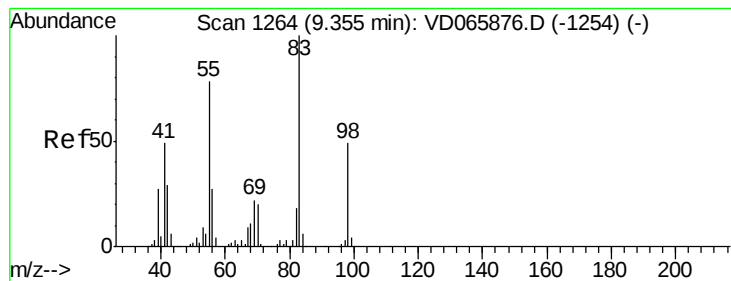


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 20.987 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

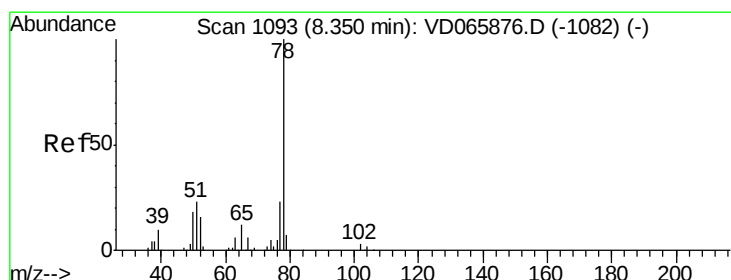
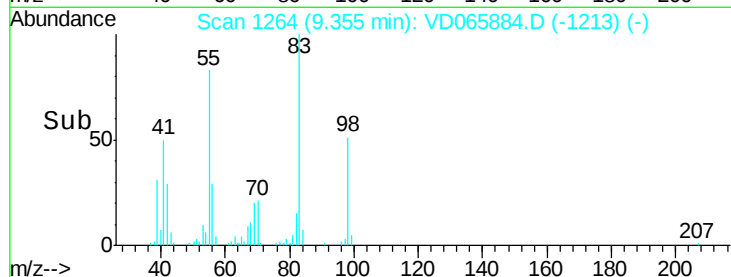
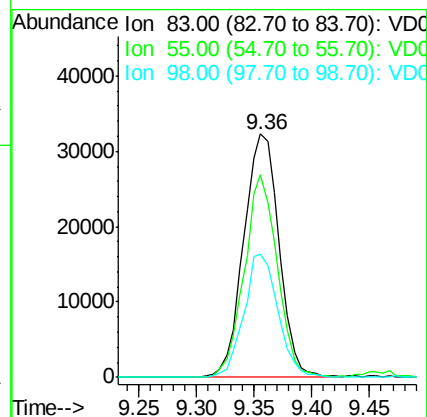
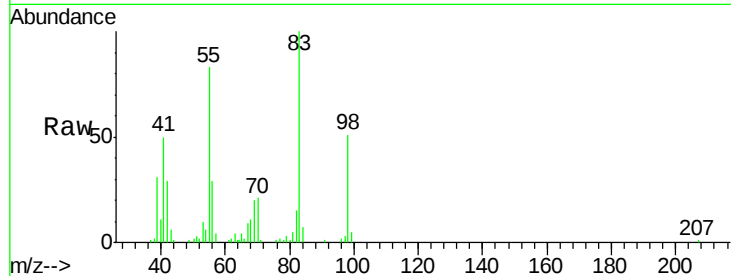
Tot Ion: 83 Resp: 68826

Ion Ratio Lower Upper

83 100

55 83.4 62.2 93.4

98 50.8 39.6 59.4



#40

Benzene

Concen: 20.426 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD065884.D

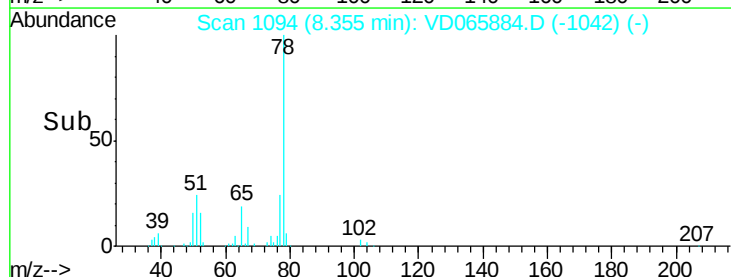
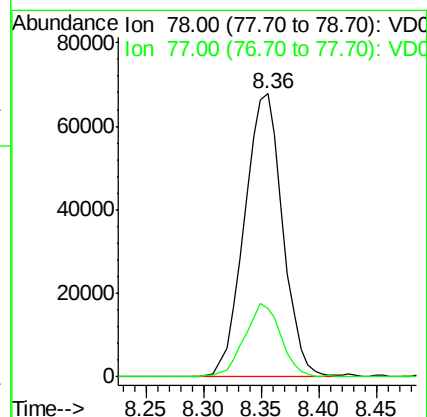
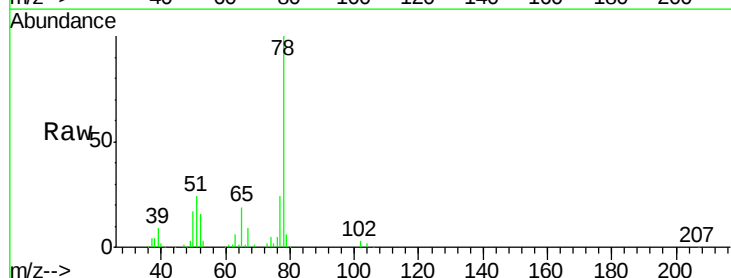
Acq: 29 Jun 2020 14:14

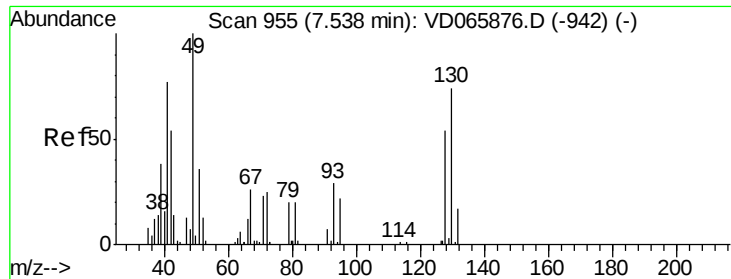
Tgt Ion: 78 Resp: 156411

Ion Ratio Lower Upper

78 100

77 24.3 18.8 28.2

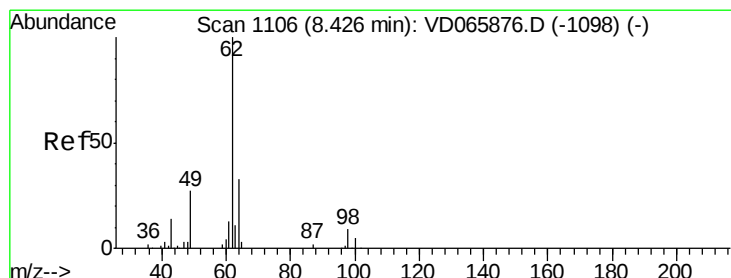
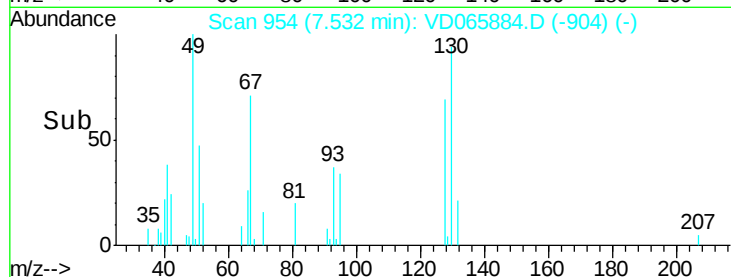
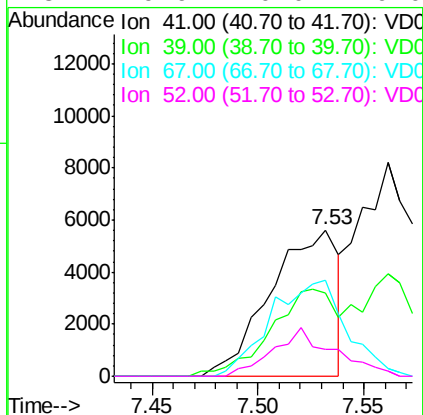
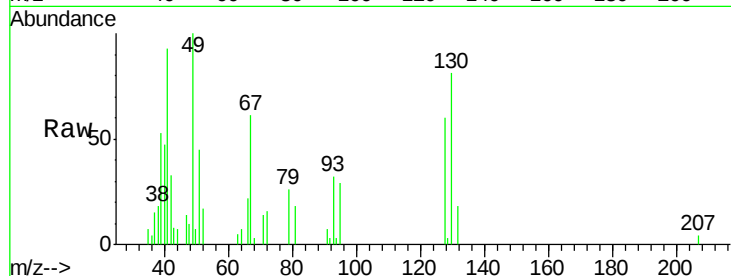




#41
Methacrylonitrile
Concen: 21.571 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

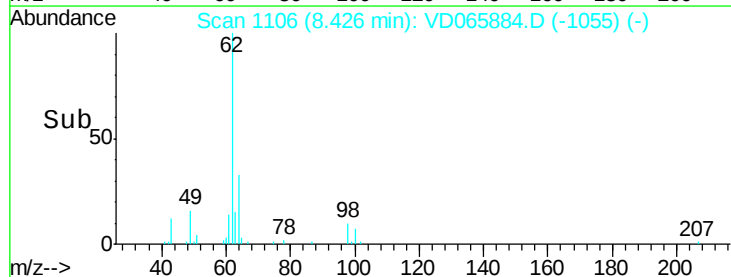
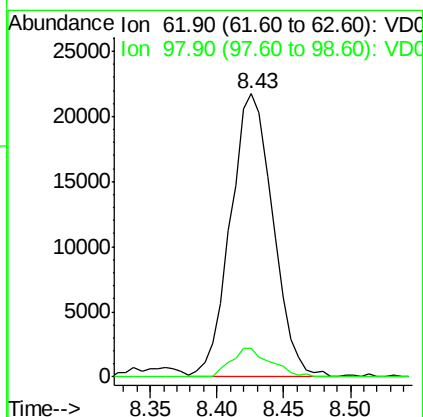
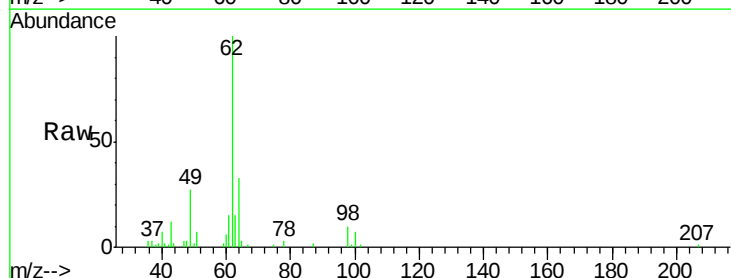
Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

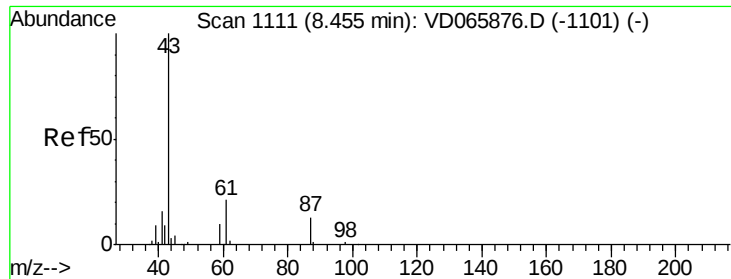
Tot Ion: 41 Resp: 12490
Ion Ratio Lower Upper
41 100
39 56.9 82.7 124.1#
67 73.4 0.0 0.0#
52 29.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 21.306 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion: 62 Resp: 48131
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.4





#43

Isopropyl Acetate

Concen: 20.402 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

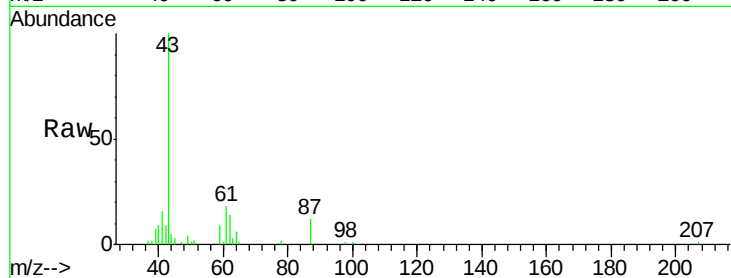
Tot Ion: 43 Resp: 41722

Ion Ratio Lower Upper

43 100

61 30.7 25.2 37.8

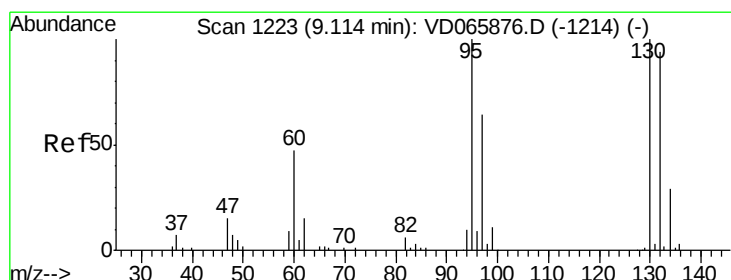
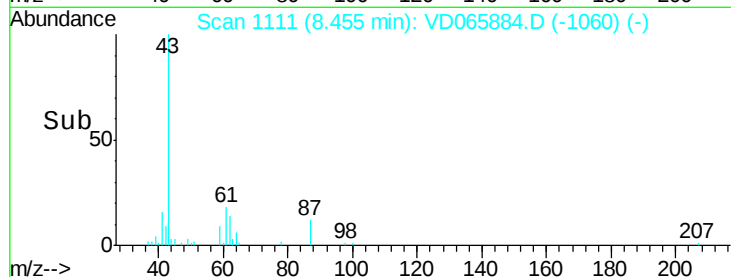
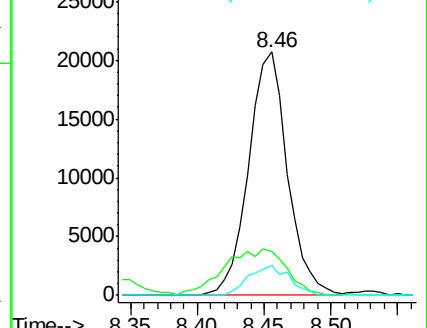
87 12.8 10.4 15.6



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: 20.389 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065884.D

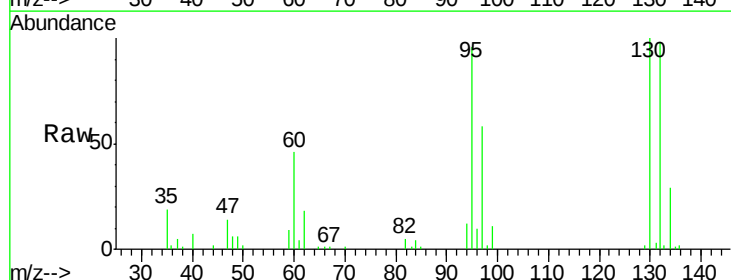
Acq: 29 Jun 2020 14:14

Tgt Ion: 130 Resp: 42297

Ion Ratio Lower Upper

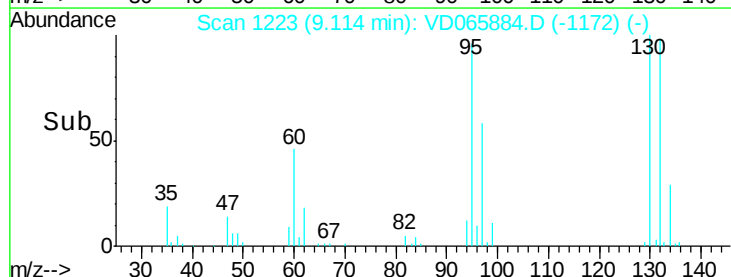
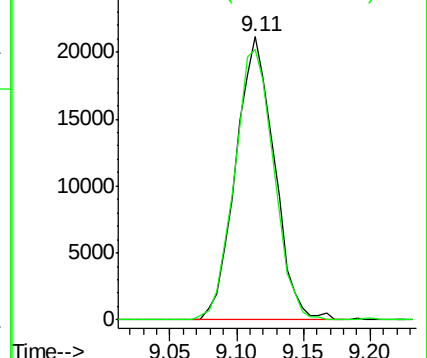
130 100

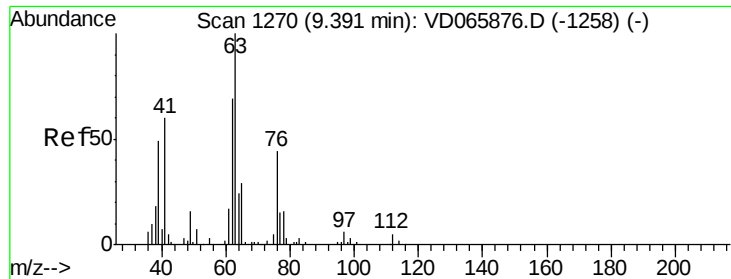
95 95.7 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.319 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

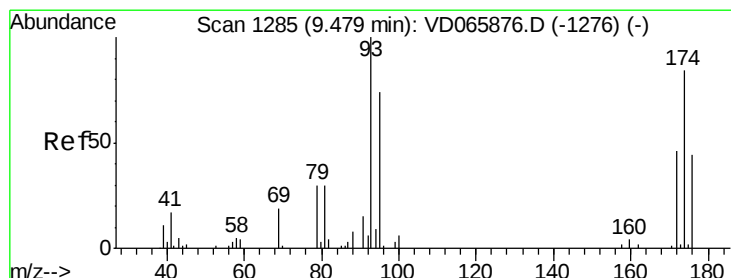
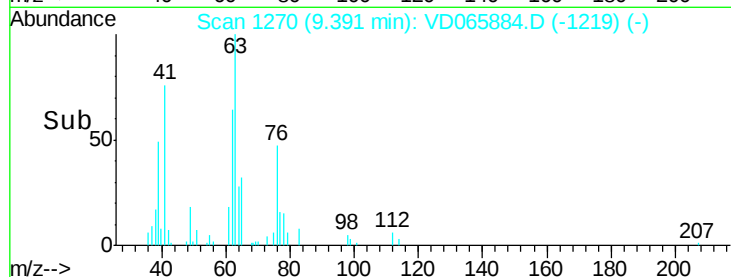
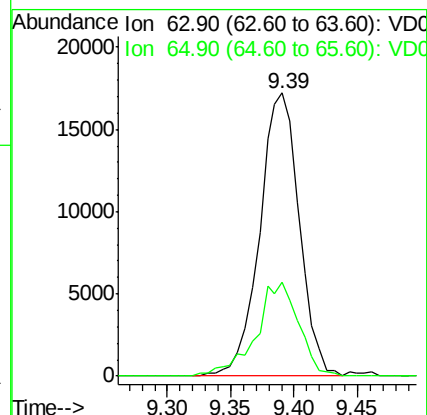
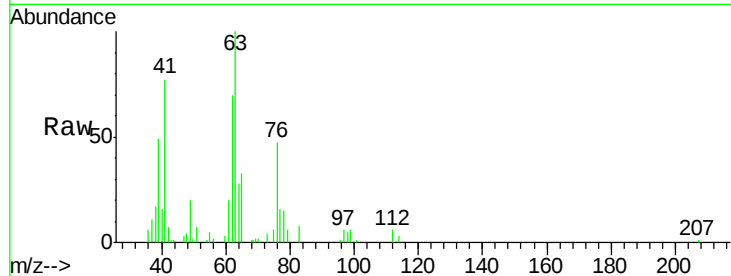
VD0629SBSD01

Tot Ion: 63 Resp: 37271

Ion Ratio Lower Upper

63 100

65 33.0 23.4 35.0



#46

Dibromomethane

Concen: 19.667 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

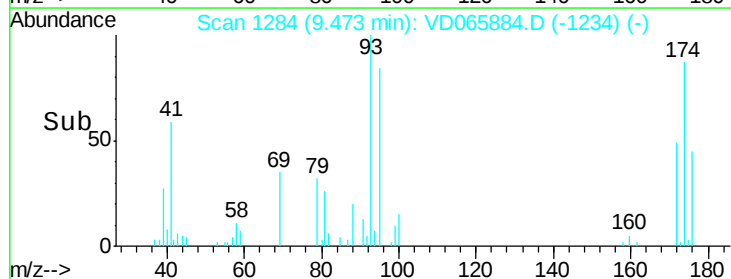
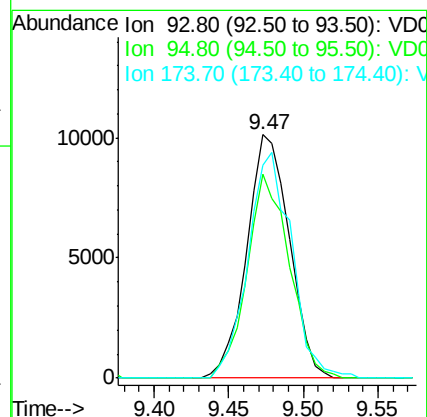
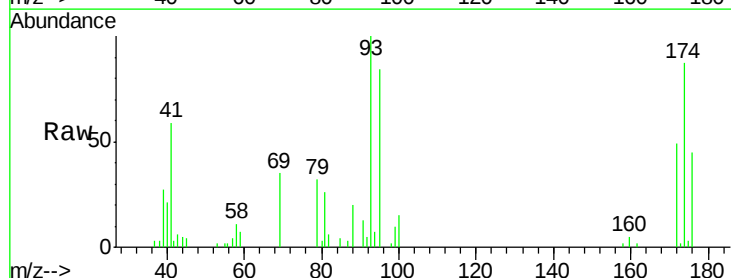
Tgt Ion: 93 Resp: 19998

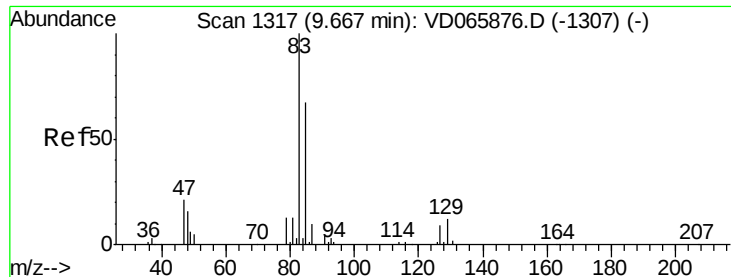
Ion Ratio Lower Upper

93 100

95 83.5 65.4 98.0

174 94.4 75.2 112.8





#47

Bromodichloromethane

Concen: 20.567 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

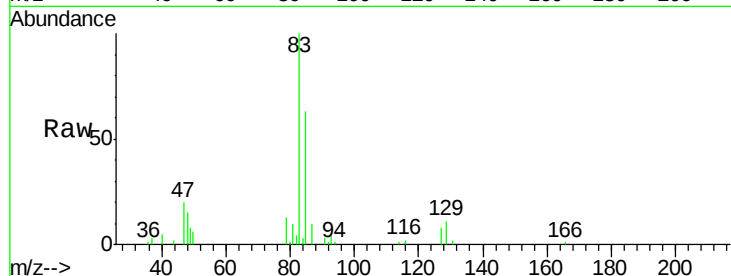
Tot Ion: 83 Resp: 55571

Ion Ratio Lower Upper

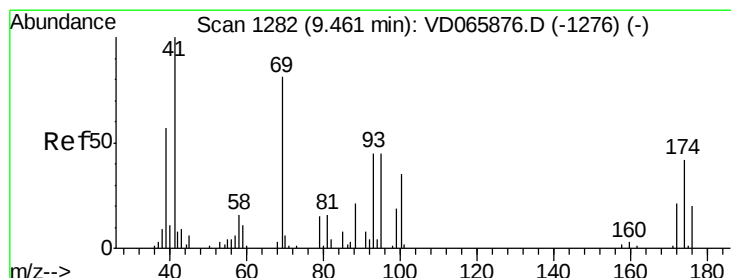
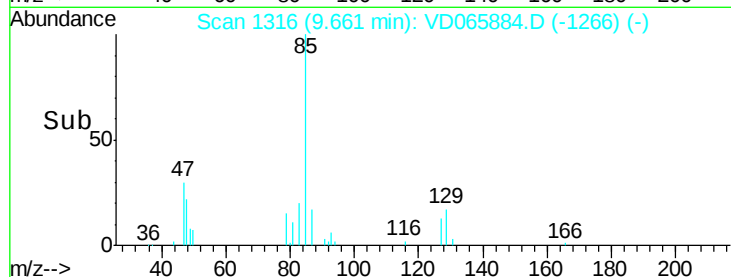
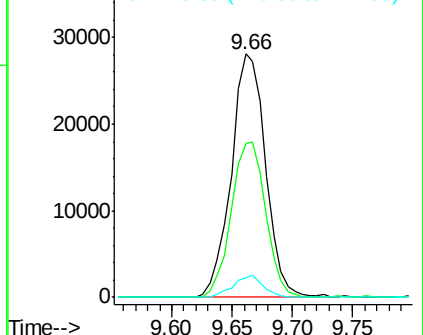
83 100

85 63.1 53.9 80.9

127 8.1 7.0 10.4



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: 22.856 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

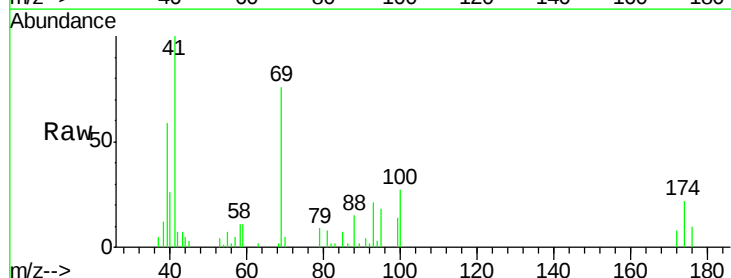
Tgt Ion: 41 Resp: 22911

Ion Ratio Lower Upper

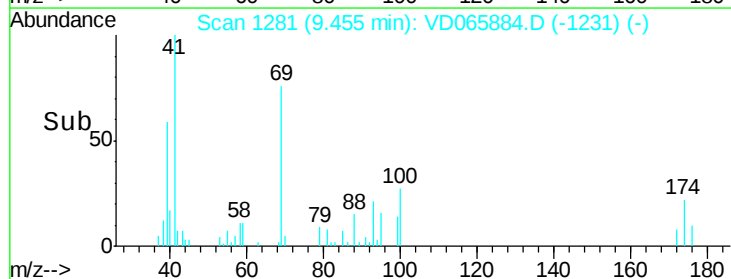
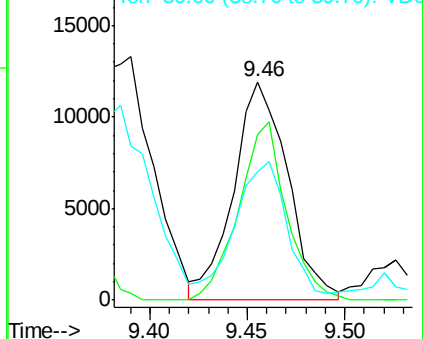
41 100

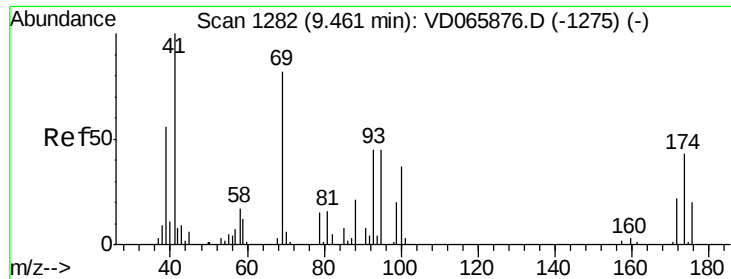
69 72.2 68.3 102.5

39 55.0 54.1 81.1



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

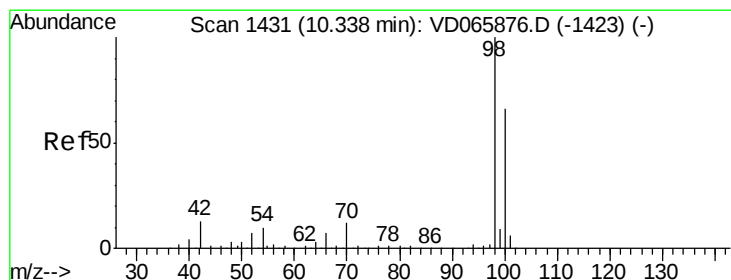
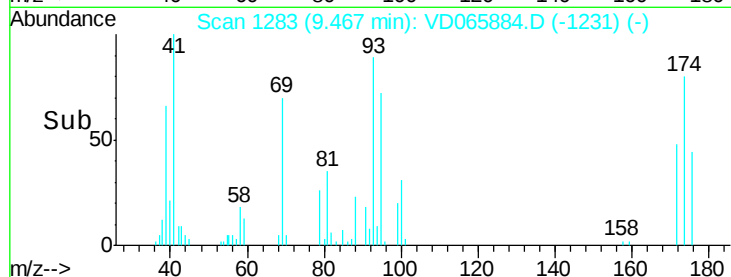
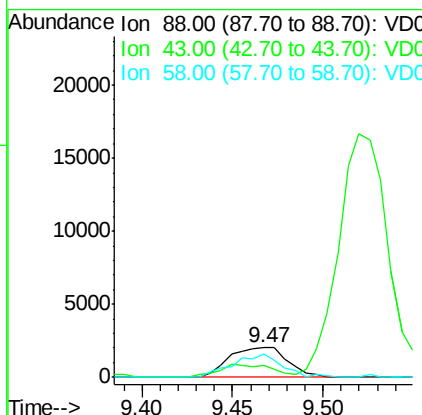
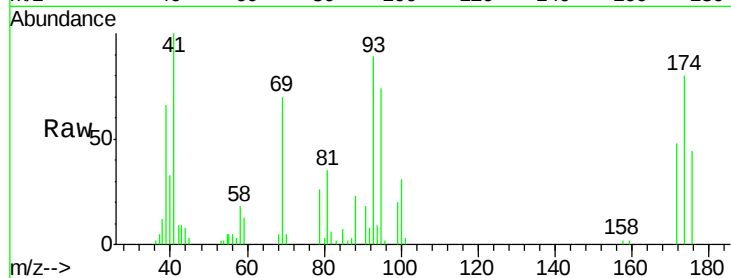




#49
1,4-Dioxane
Concen: 436.291 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

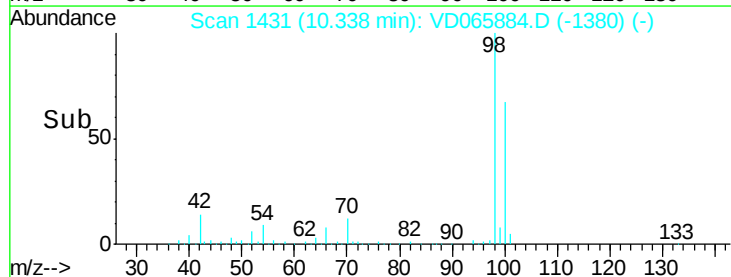
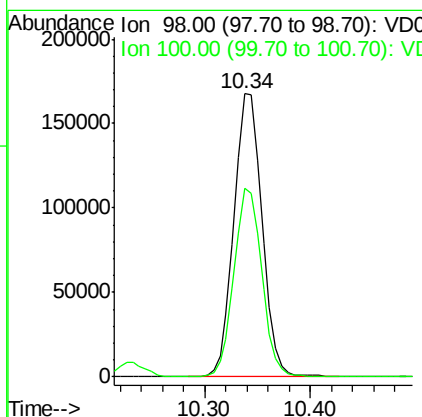
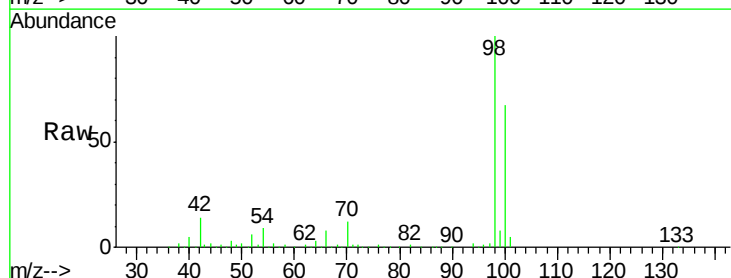
Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

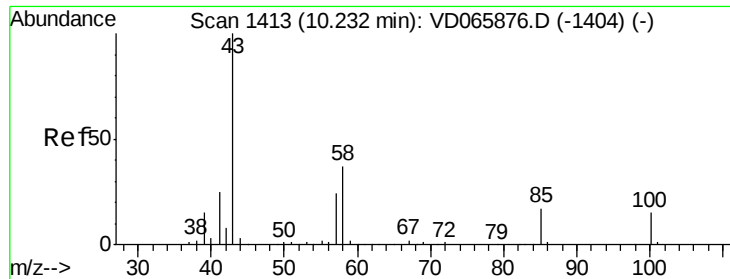
Tot Ion: 88 Resp: 4538
Ion Ratio Lower Upper
88 100
43 41.0 35.8 53.8
58 66.2 58.6 87.8



#50
Toluene-d8
Concen: 47.090 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion: 98 Resp: 309912
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 101.347 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

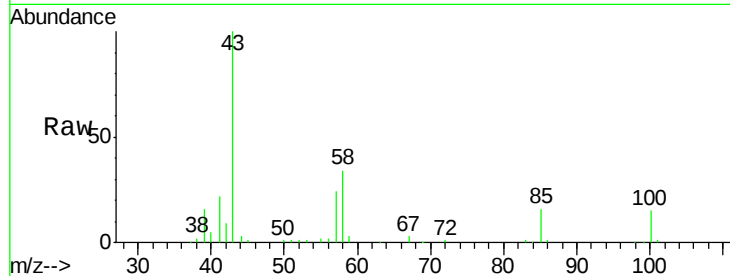
VD0629SBSD01

Tot Ion: 43 Resp: 106835

Ion Ratio Lower Upper

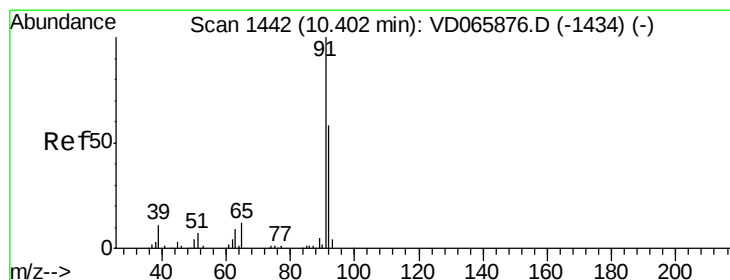
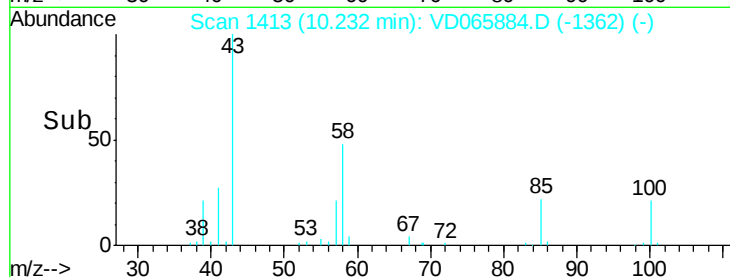
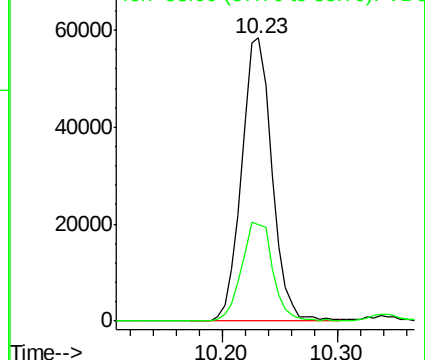
43 100

58 36.2 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.220 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065884.D

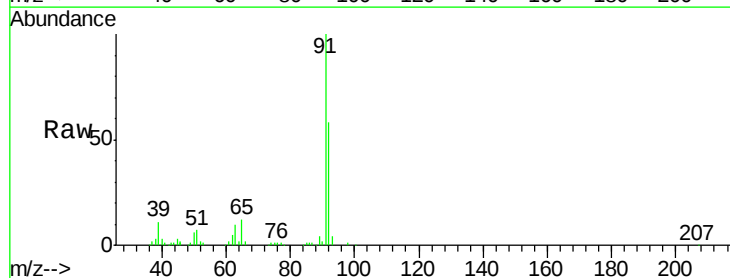
Acq: 29 Jun 2020 14:14

Tgt Ion: 92 Resp: 100667

Ion Ratio Lower Upper

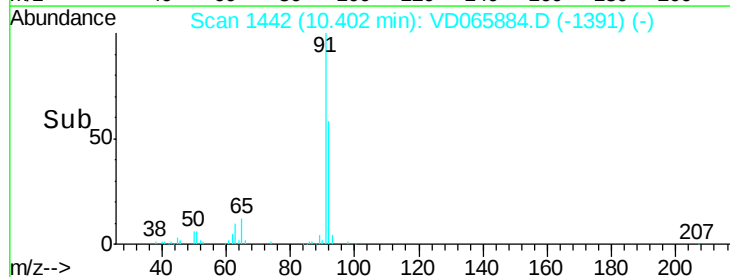
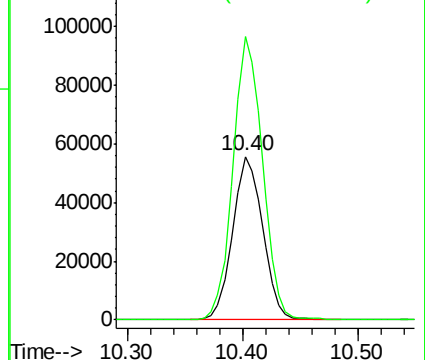
92 100

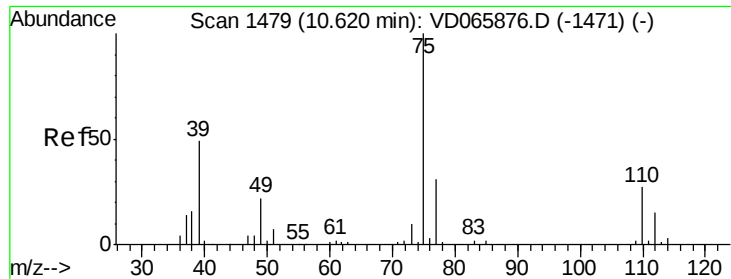
91 170.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

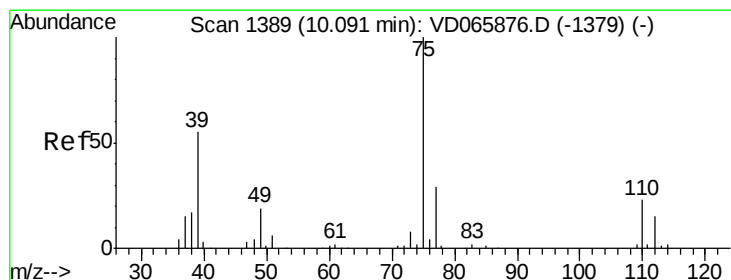
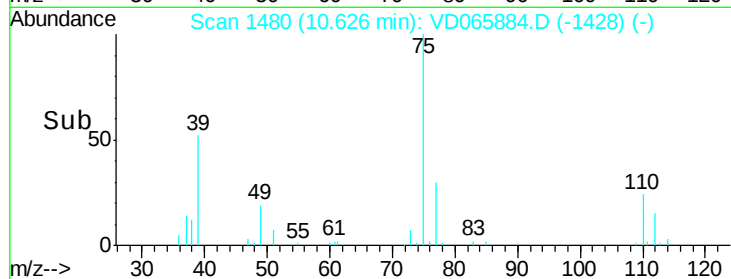
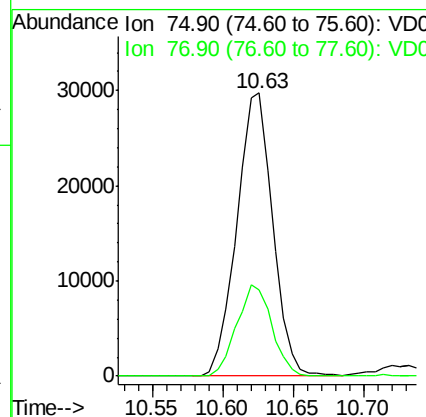
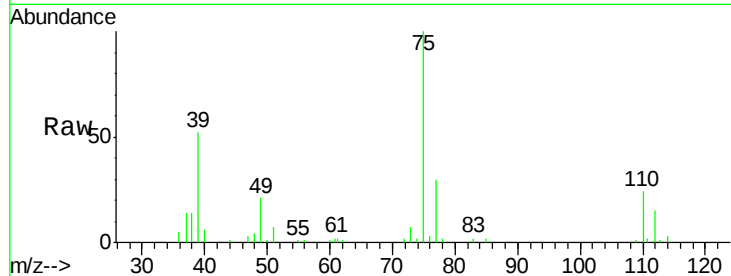




#53
 t-1,3-Dichloropropene
 Concen: 20.489 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

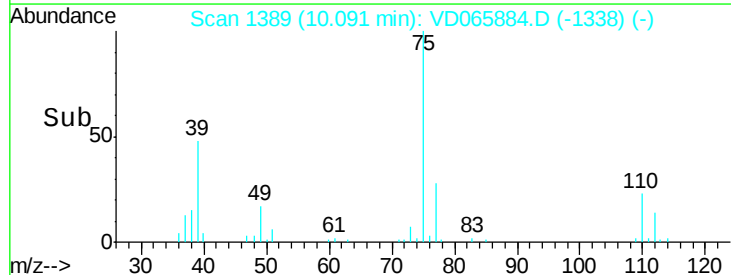
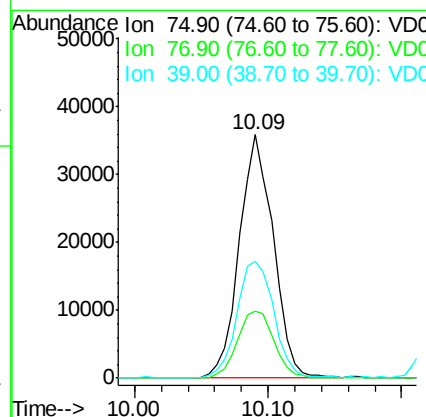
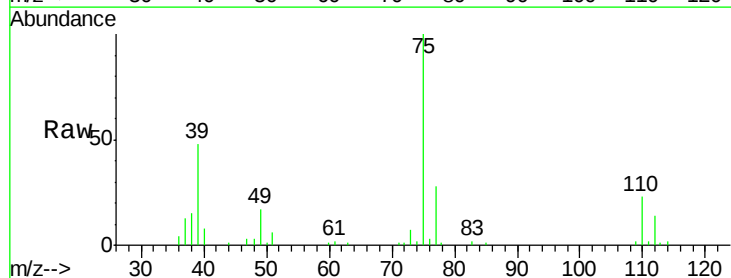
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBSD01

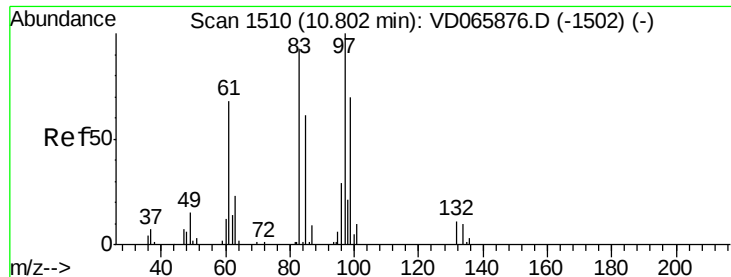
Tot Ion: 75 Resp: 52843
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.938 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Tgt Ion: 75 Resp: 63408
 Ion Ratio Lower Upper
 75 100
 77 27.5 23.4 35.0
 39 48.2 43.9 65.9

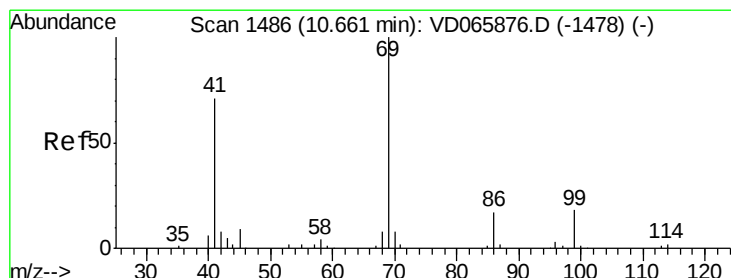
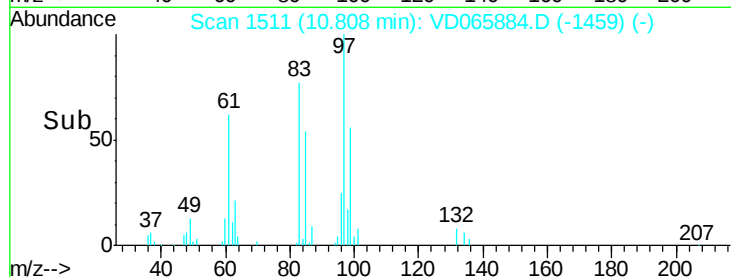
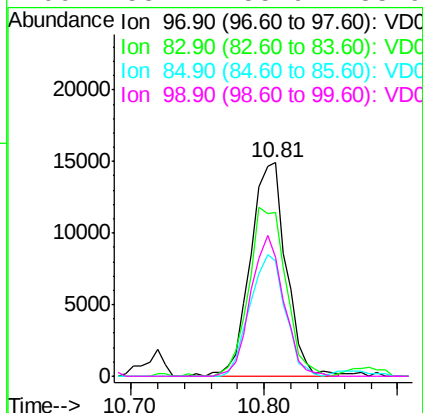
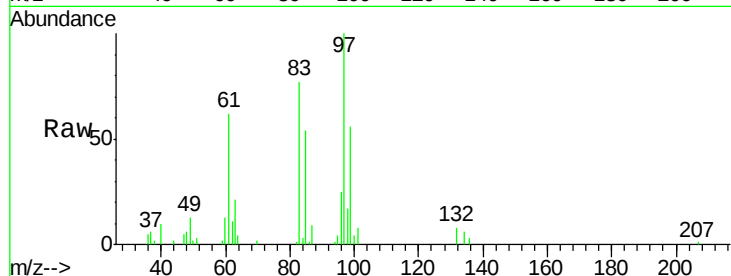




#55
 1,1,2-Trichloroethane
 Concen: 20.495 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

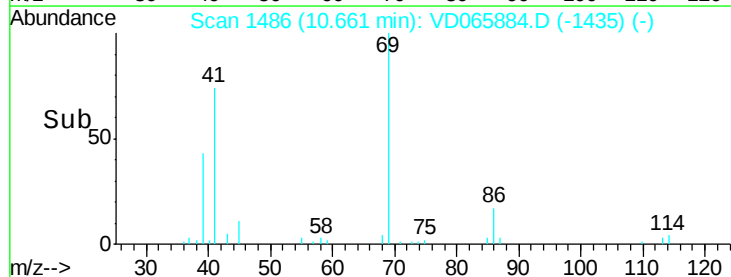
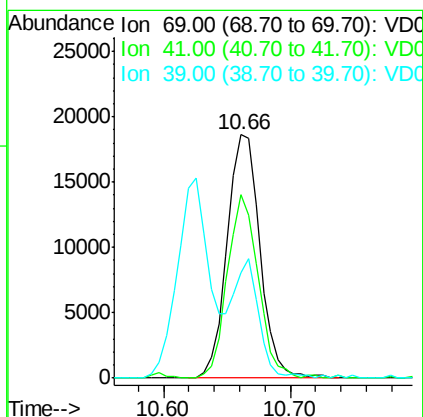
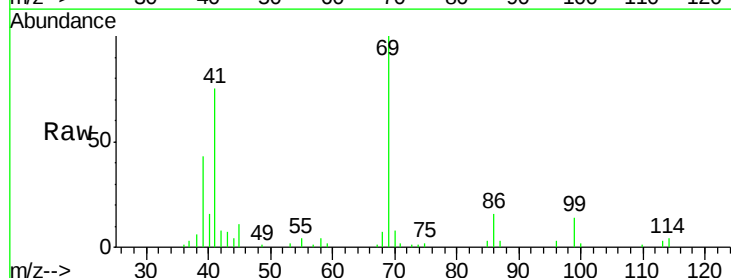
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBSD01

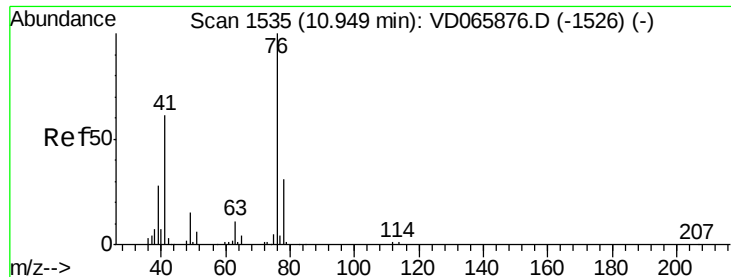
Tot Ion: 97 Resp: 27617
 Ion Ratio Lower Upper
 97 100
 83 75.5 74.2 111.4
 85 53.7 48.8 73.2
 99 55.7 55.9 83.9#



#56
 Ethyl methacrylate
 Concen: 19.892 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Tgt Ion: 69 Resp: 33283
 Ion Ratio Lower Upper
 69 100
 41 70.8 55.4 83.2
 39 36.6 33.0 49.4

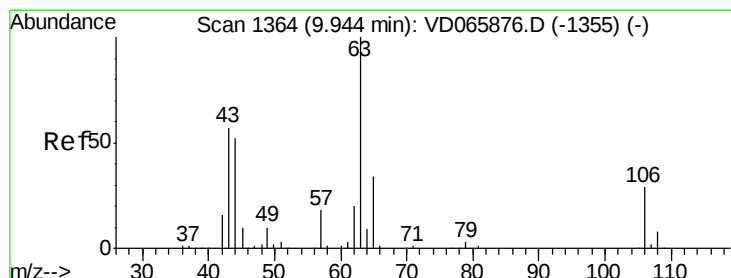
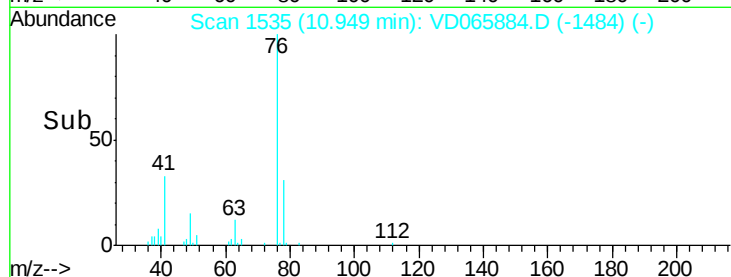
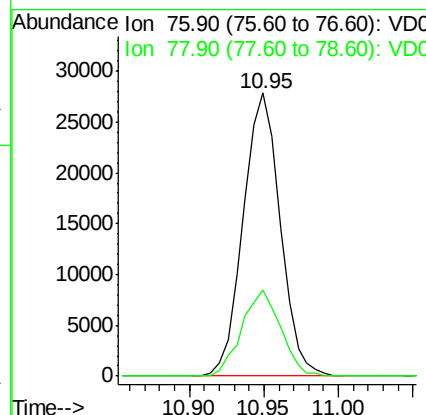
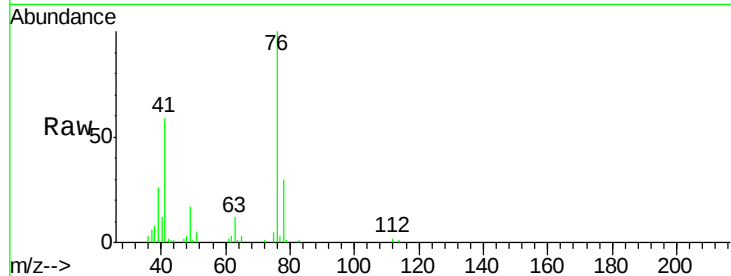




#57
 1,3-Dichloropropane
 Concen: 20.256 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

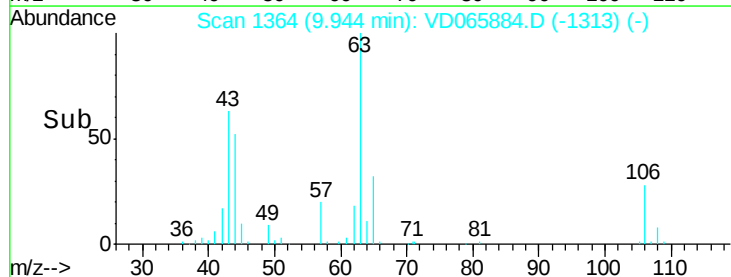
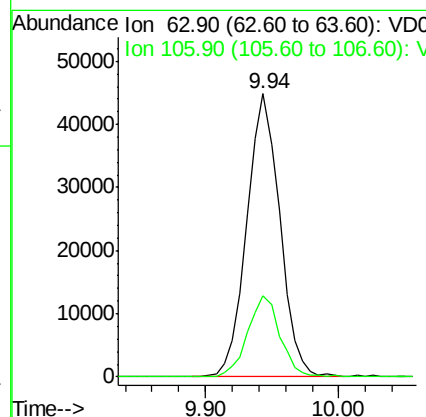
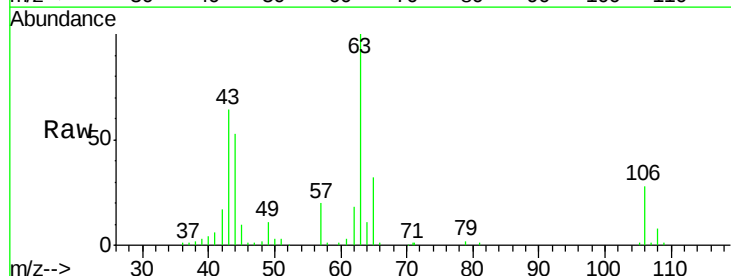
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBSD01

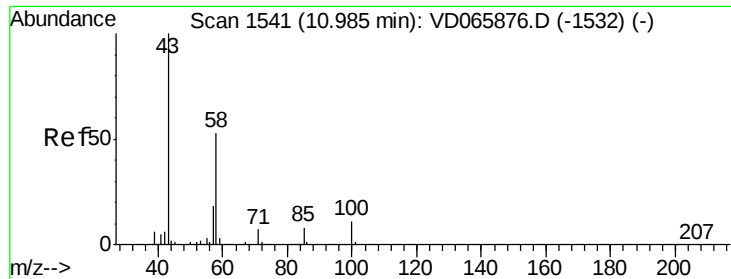
Tot Ion: 76 Resp: 47878
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.1 37.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.322 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Tgt Ion: 63 Resp: 76509
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.6 34.0

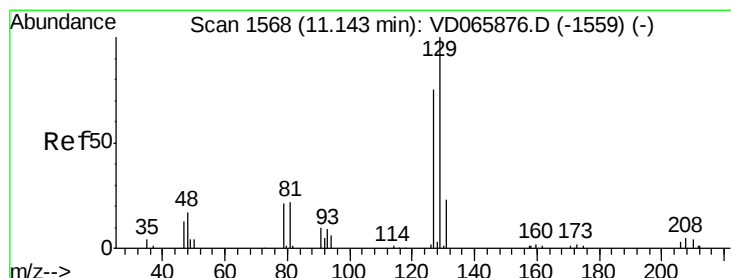
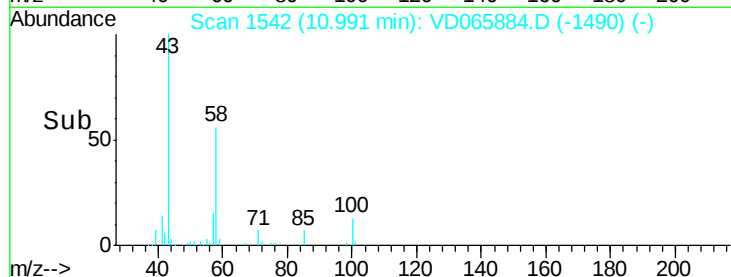
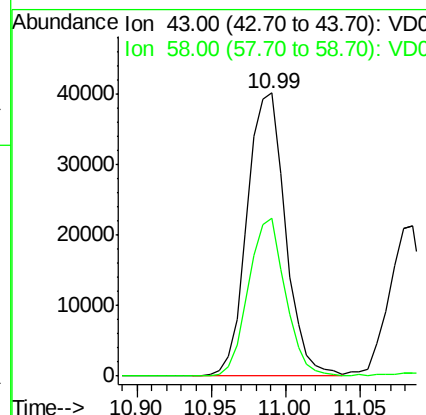
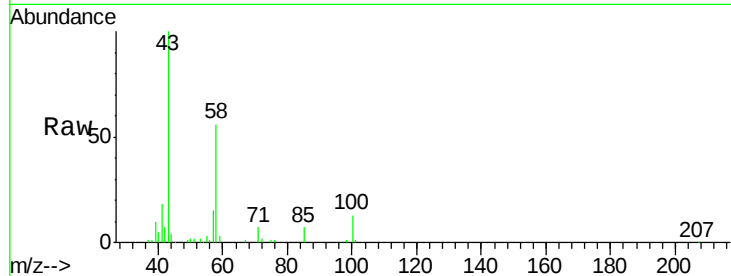




#59
2-Hexanone
Concen: 96.466 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

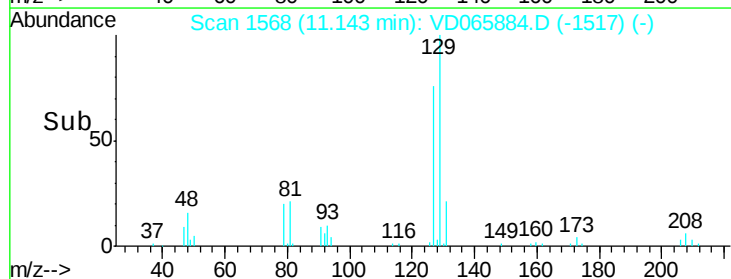
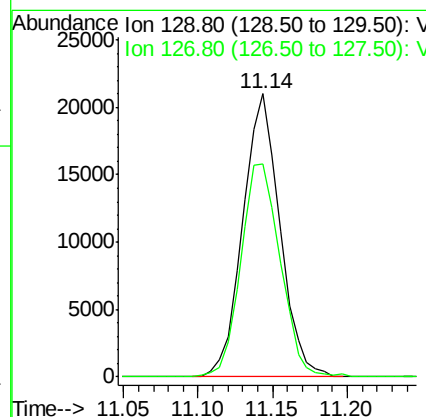
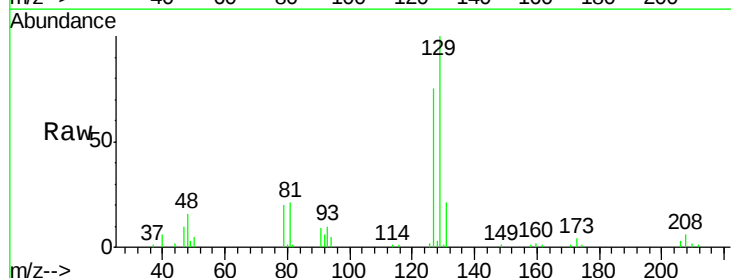
Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

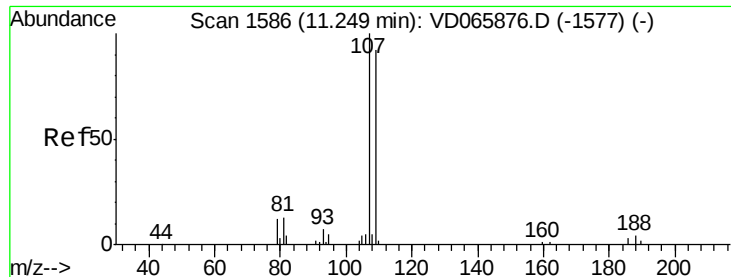
Tot Ion: 43 Resp: 71279
Ion Ratio Lower Upper
43 100
58 53.8 26.1 78.3



#60
Dibromochloromethane
Concen: 19.676 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion:129 Resp: 36214
Ion Ratio Lower Upper
129 100
127 79.9 39.1 117.2

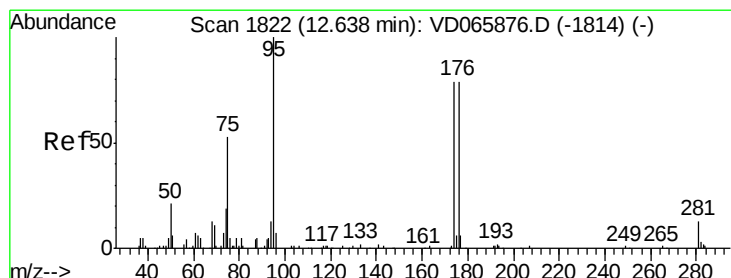
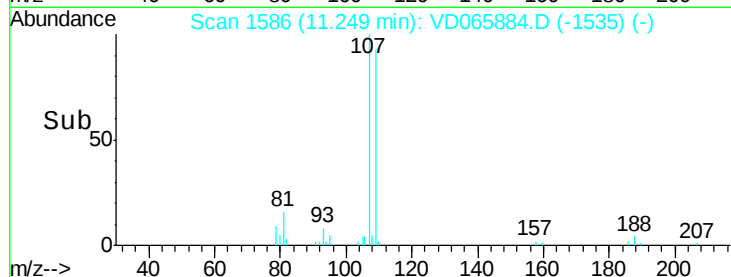
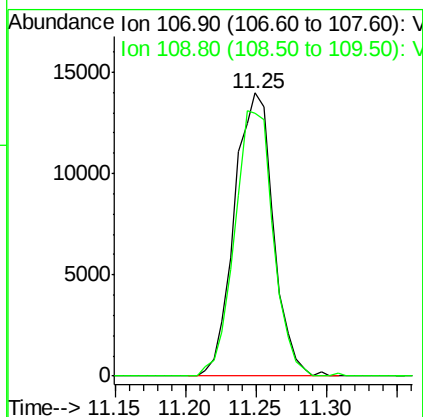
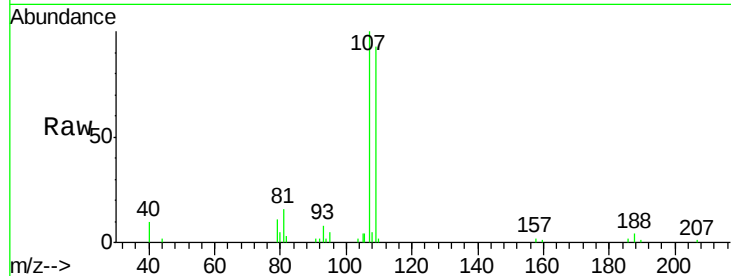




#61
 1,2-Dibromoethane
 Concen: 20.407 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

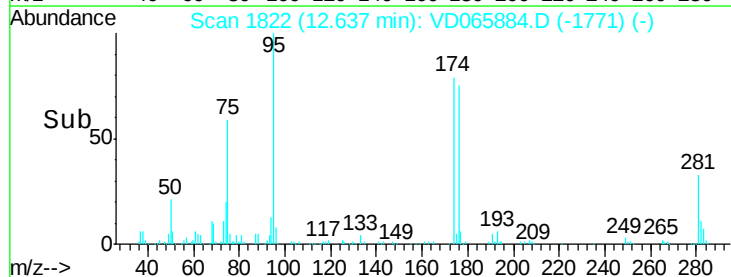
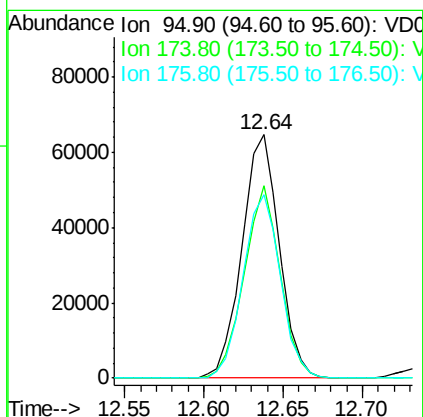
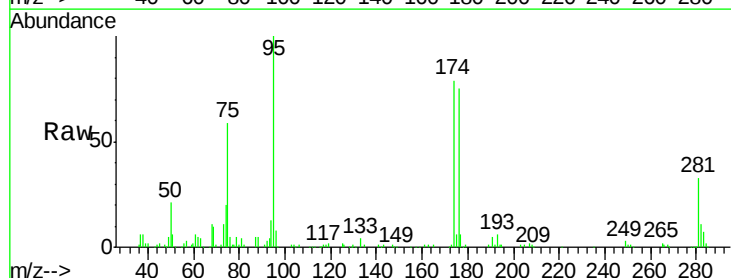
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBSD01

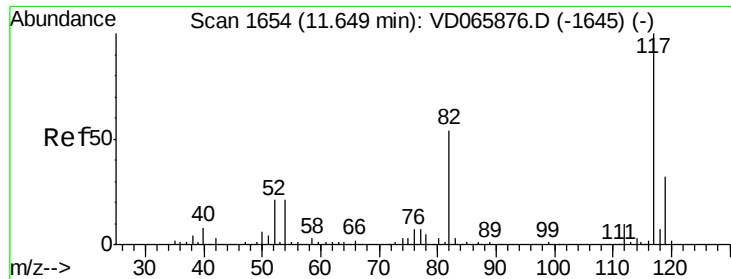
Tot Ion:107 Resp: 26913
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.038 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Tgt Ion: 95 Resp: 105728
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 158.4
 176 75.4 0.0 156.0

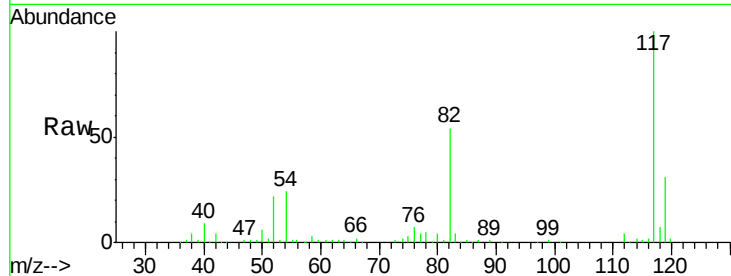




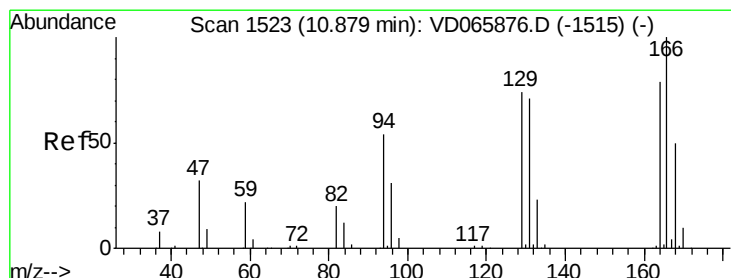
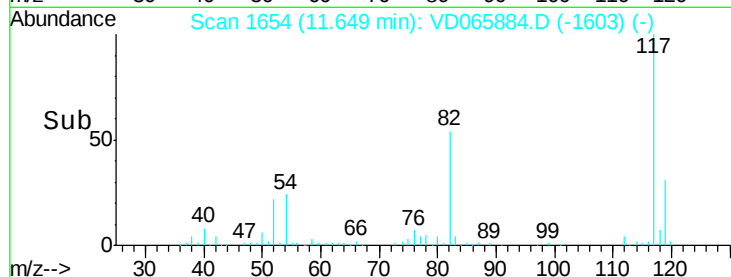
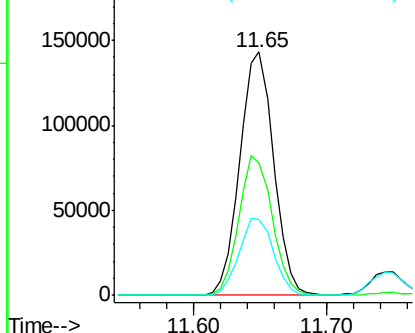
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

Tot Ion:117 Resp: 251830
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 31.2 25.9 38.9



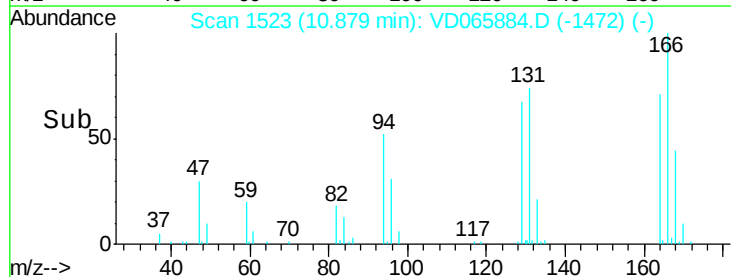
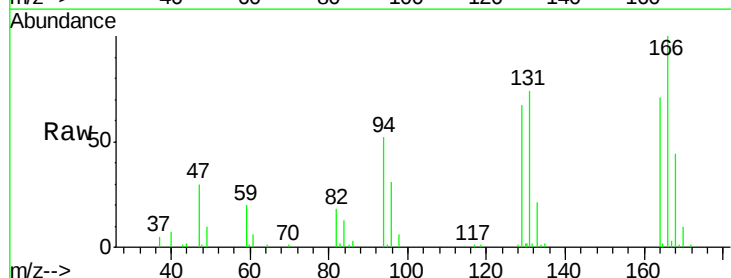
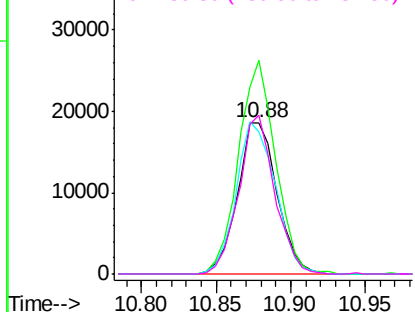
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

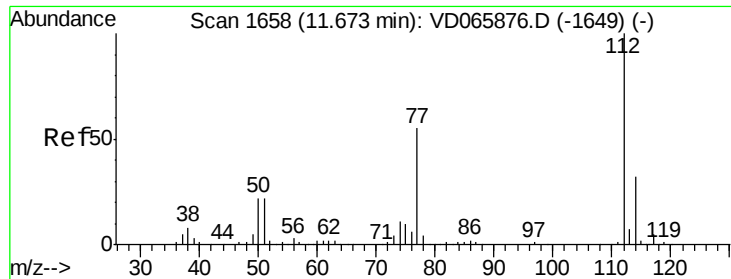


#64
Tetrachloroethene
Concen: 20.759 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion:164 Resp: 34137
Ion Ratio Lower Upper
164 100
166 141.3 101.3 151.9
129 94.0 74.5 111.7
131 104.6 72.2 108.4

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

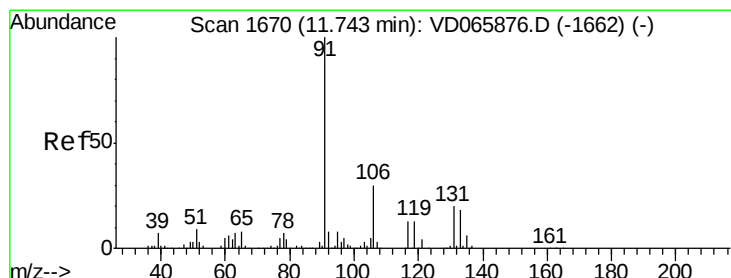
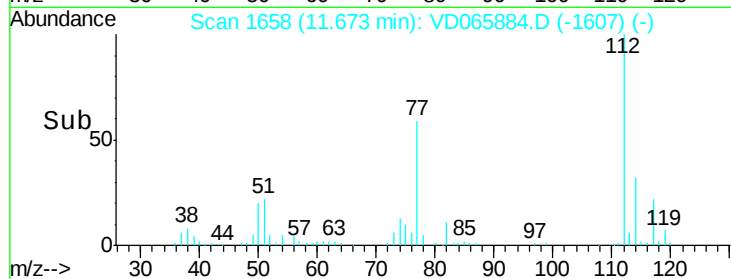
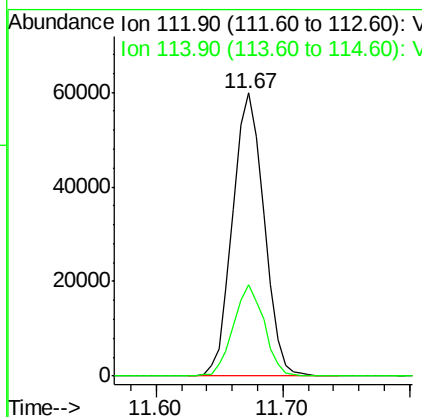
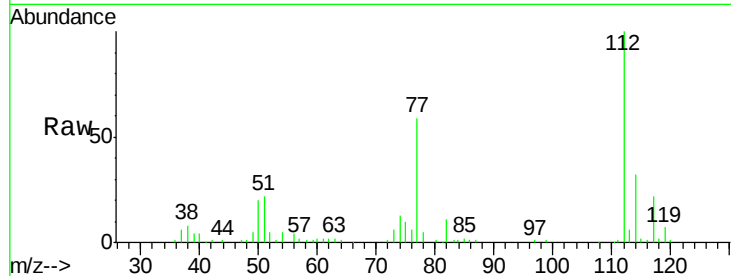




#65
Chlorobenzene
Concen: 20.580 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

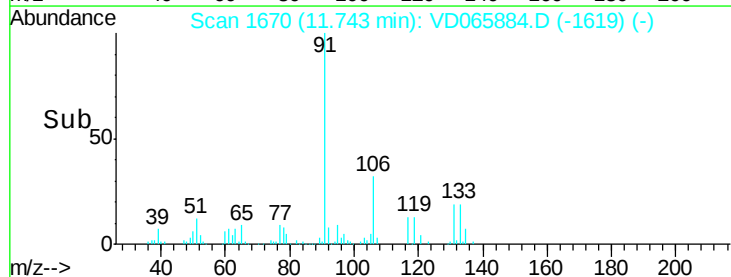
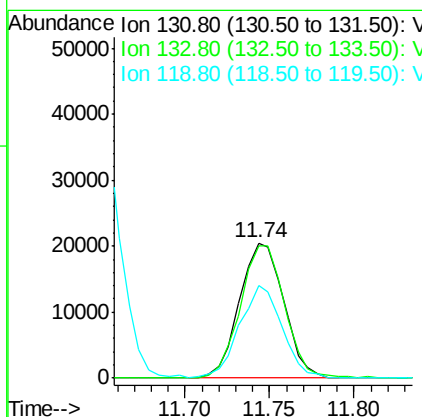
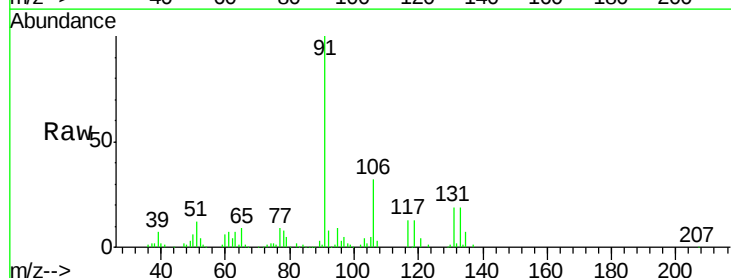
Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

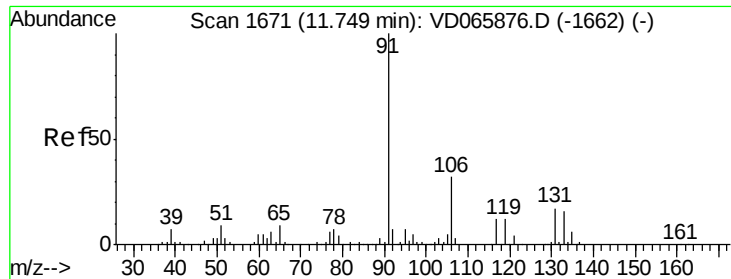
Tot Ion:112 Resp: 102803
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.995 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion:131 Resp: 37208
Ion Ratio Lower Upper
131 100
133 99.0 48.1 144.3
119 66.2 33.0 98.9

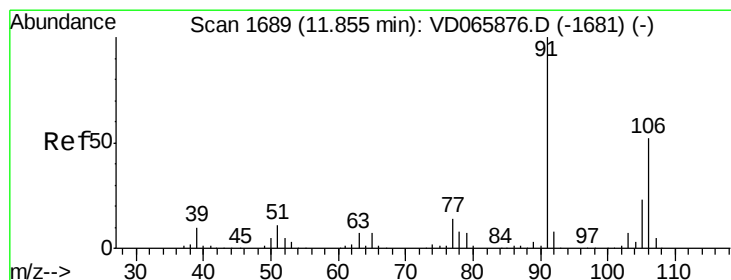
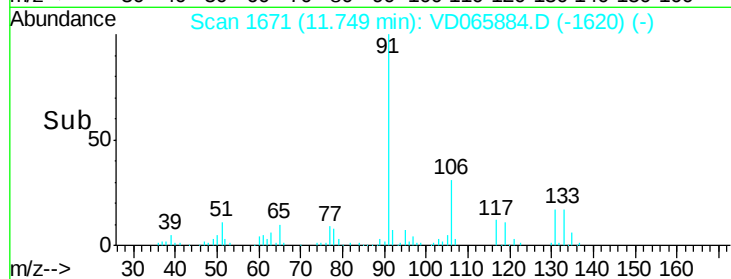
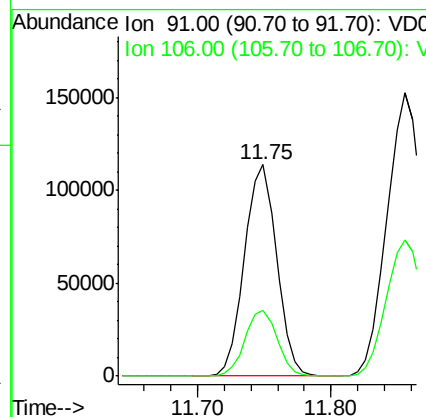
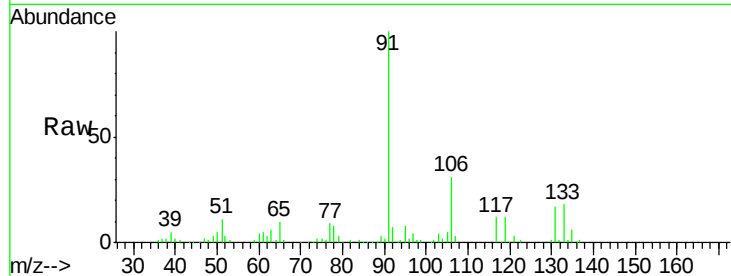




#67
Ethyl Benzene
Concen: 20.594 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

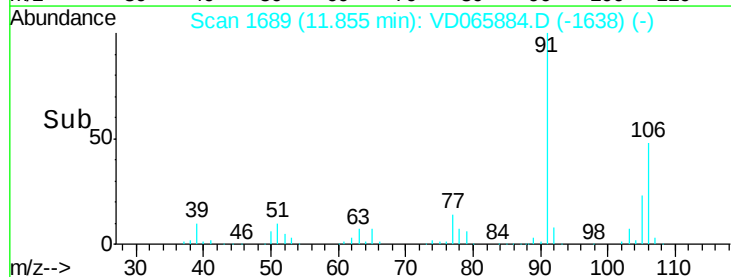
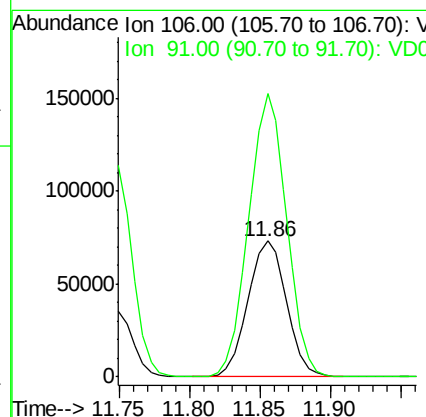
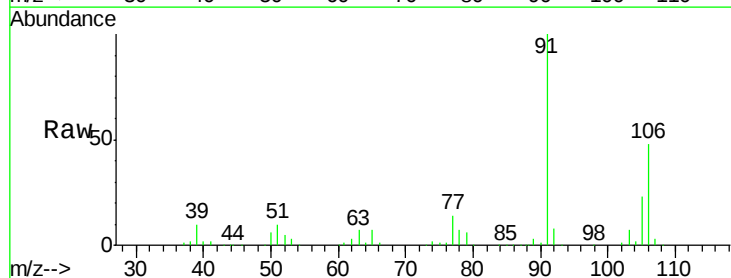
Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

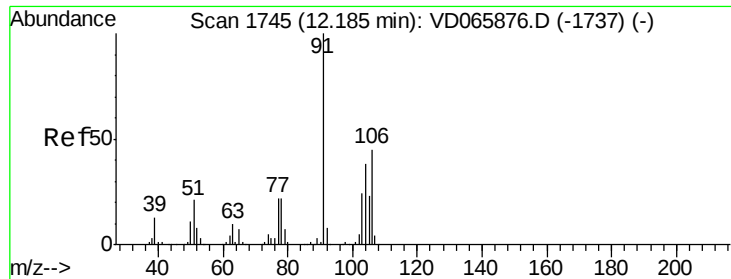
Tot Ion: 91 Resp: 191061
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9



#68
m/p-Xylenes
Concen: 39.707 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion: 106 Resp: 140256
Ion Ratio Lower Upper
106 100
91 205.2 159.5 239.3

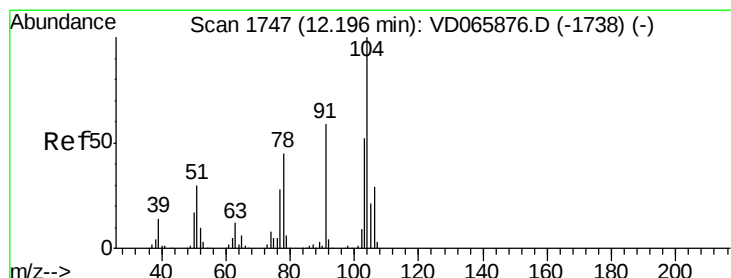
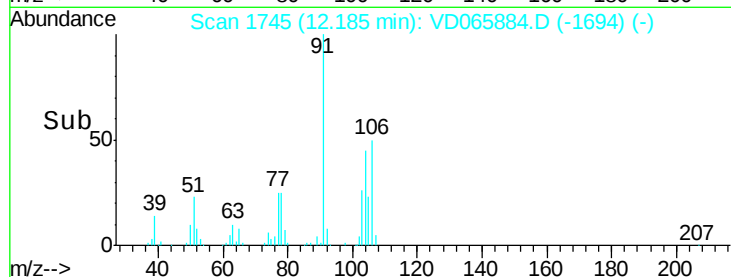
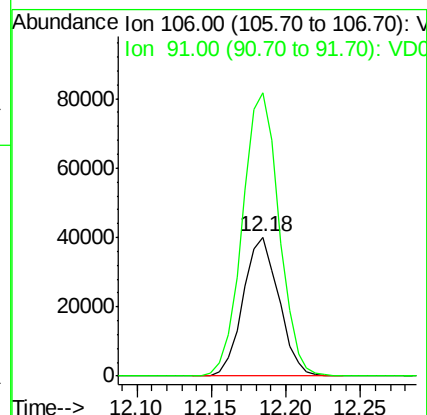
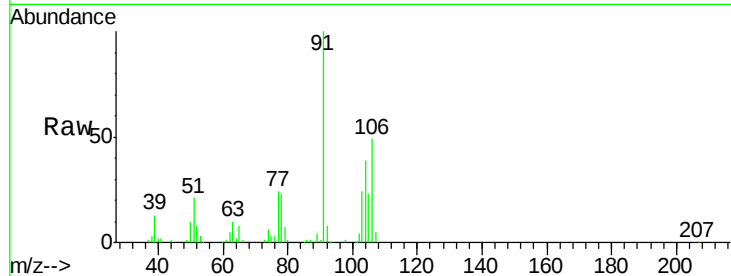




#69
o-Xylene
Concen: 20.929 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

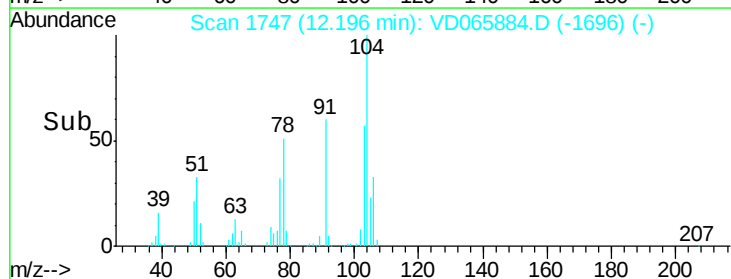
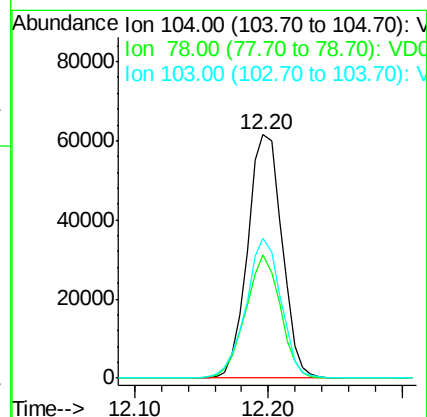
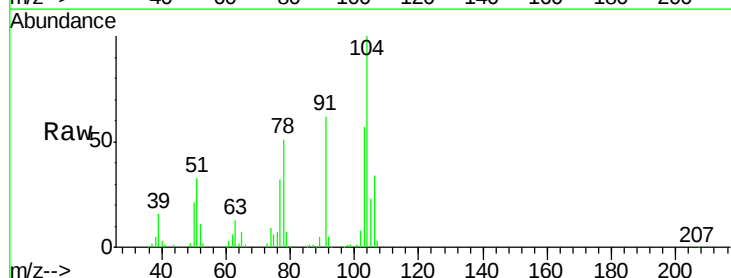
Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

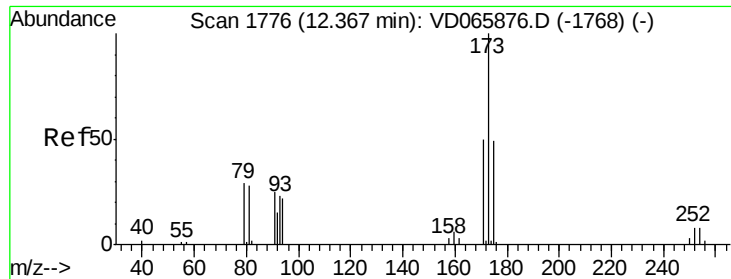
Tot Ion:106 Resp: 66433
Ion Ratio Lower Upper
106 100
91 208.5 107.5 322.6



#70
Styrene
Concen: 19.680 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion:104 Resp: 109230
Ion Ratio Lower Upper
104 100
78 51.3 39.8 59.6
103 58.2 44.6 66.8





#71

Bromoform

Concen: 19.929 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

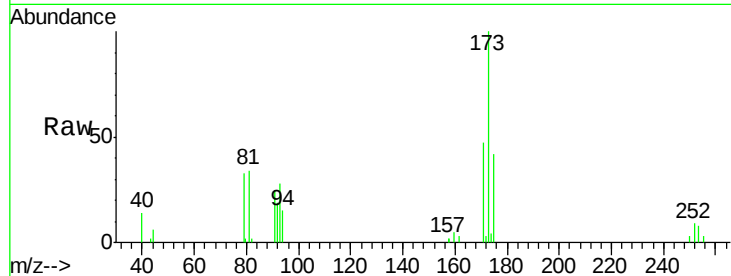
Tot Ion:173 Resp: 19694

Ion Ratio Lower Upper

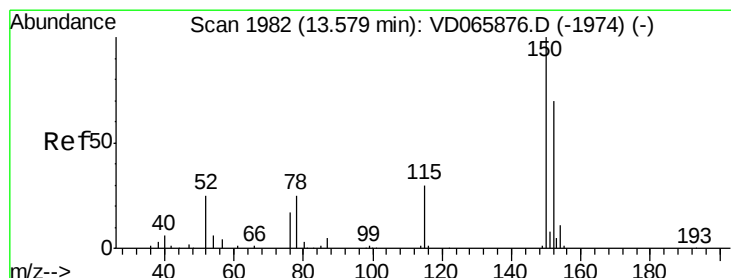
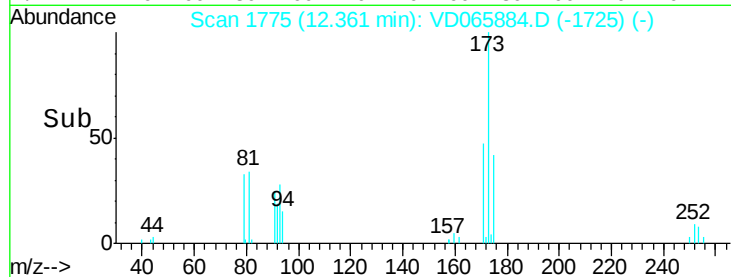
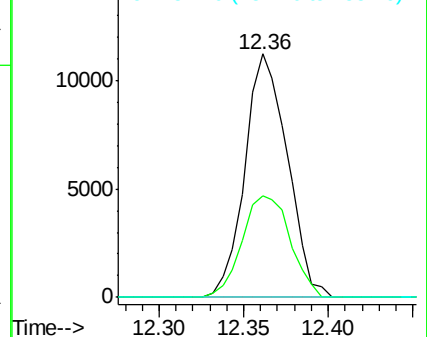
173 100

175 47.2 23.9 71.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

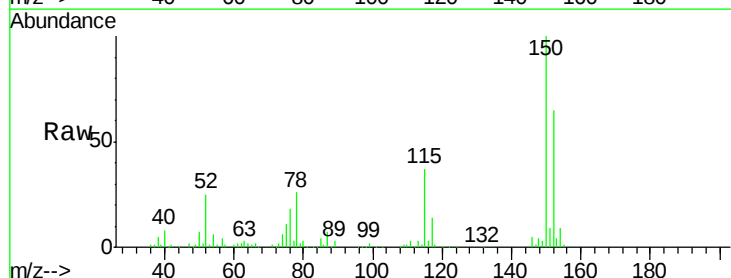
Tgt Ion:152 Resp: 119633

Ion Ratio Lower Upper

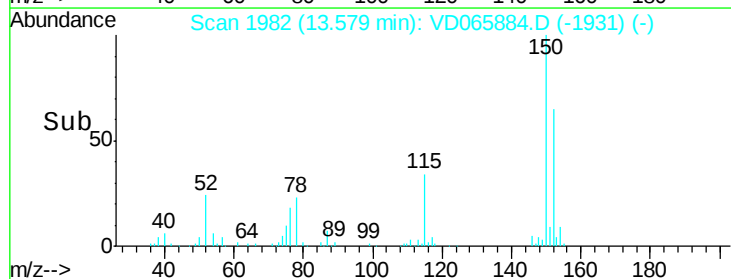
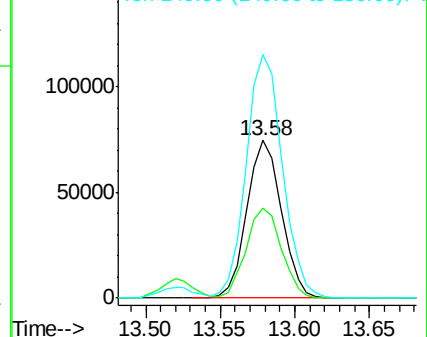
152 100

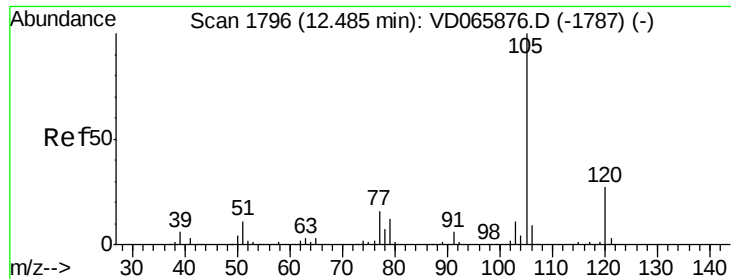
115 58.5 29.7 89.1

150 162.1 0.0 346.2



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





#73

Isopropylbenzene

Concen: 21.104 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

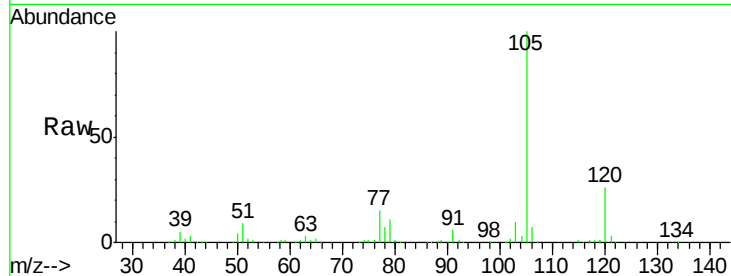
VD0629SBS01

Tot Ion:105 Resp: 180825

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

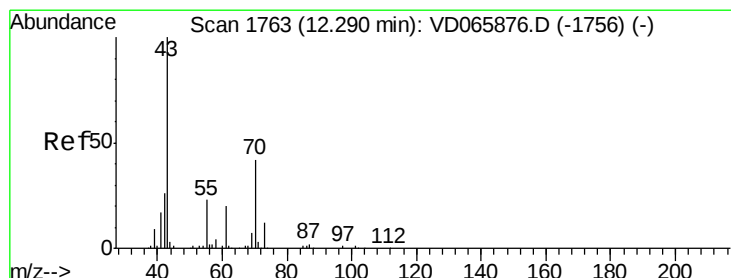
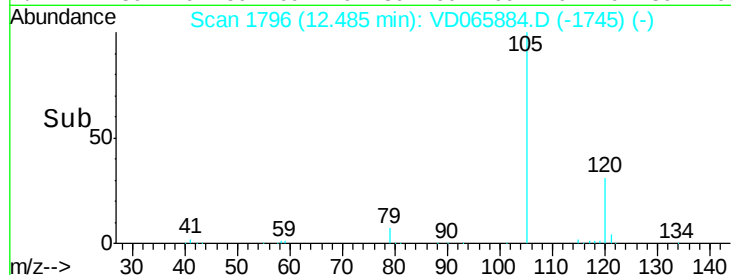
40000

20000

0

12.48

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 20.420 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Tgt Ion: 43 Resp: 38658

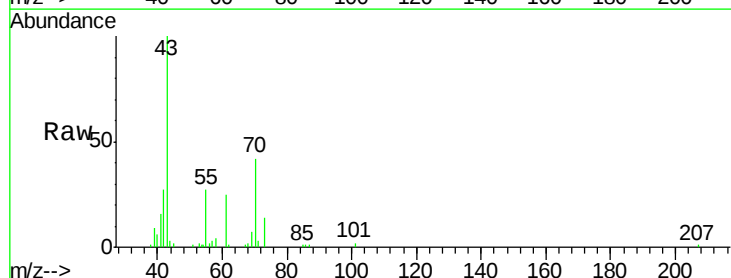
Ion Ratio Lower Upper

43 100

70 43.2 32.5 48.7

55 25.8 18.7 28.1

61 24.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

30000

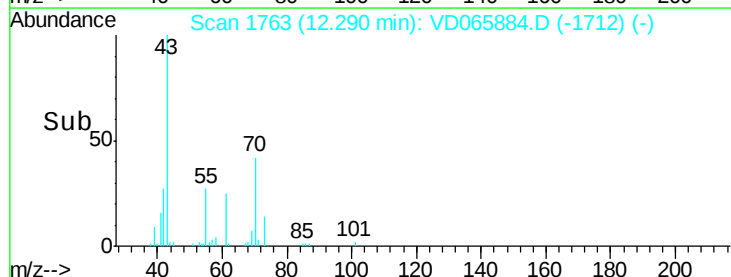
20000

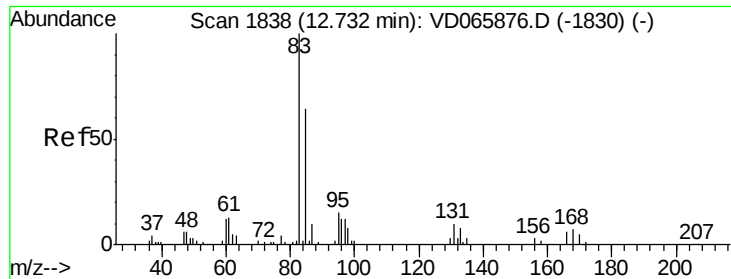
10000

0

12.29

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 20.269 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

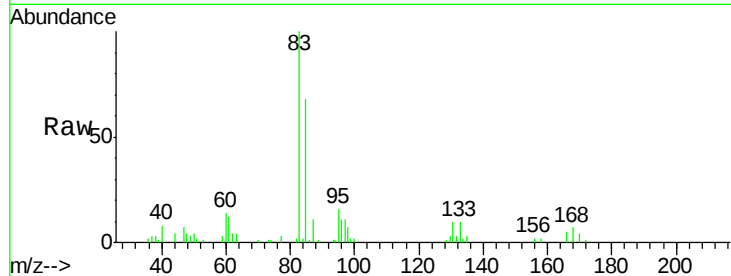
Tot Ion: 83 Resp: 28588

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

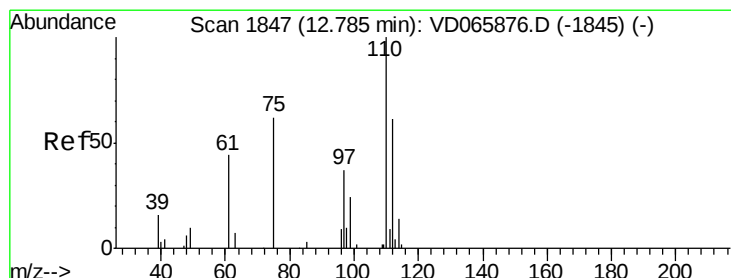
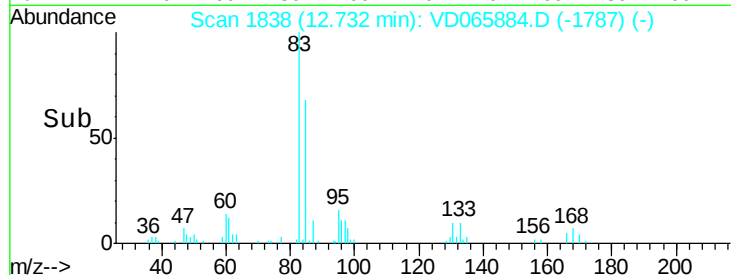
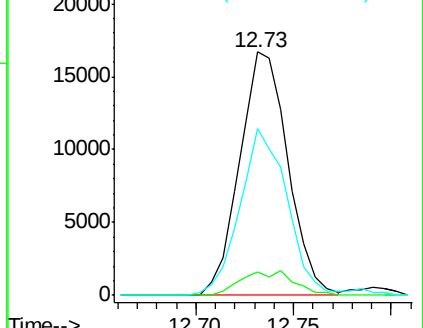
85 67.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.189 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD065884.D

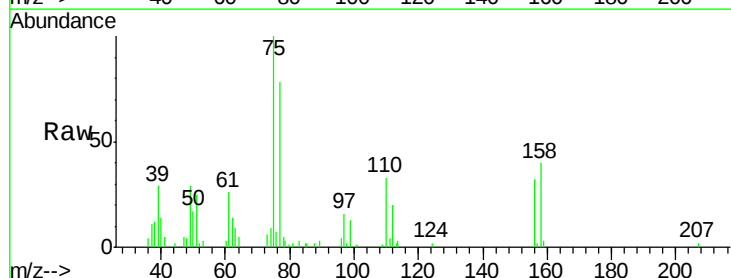
Acq: 29 Jun 2020 14:14

Tgt Ion: 75 Resp: 39977

Ion Ratio Lower Upper

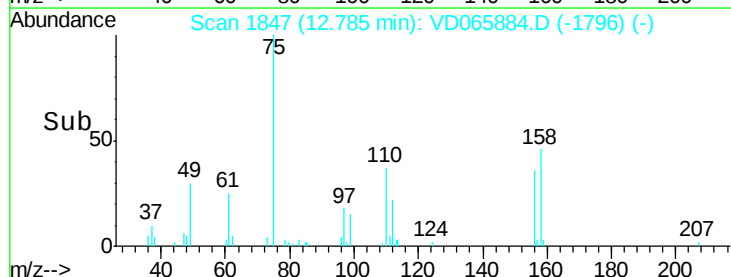
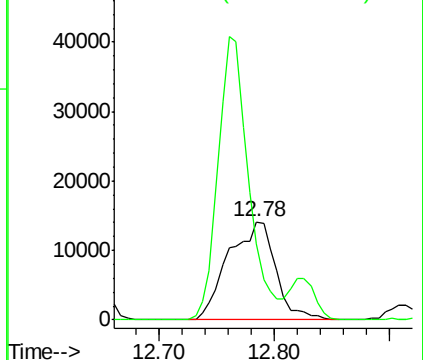
75 100

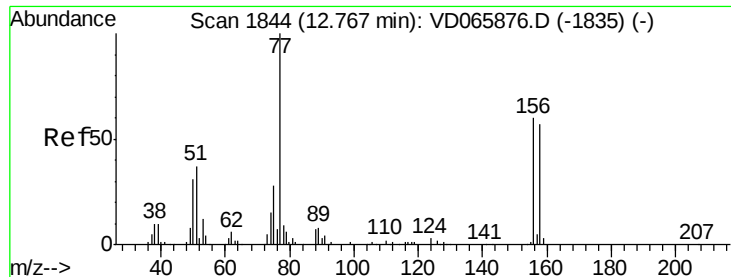
77 0.0 168.5 505.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.692 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

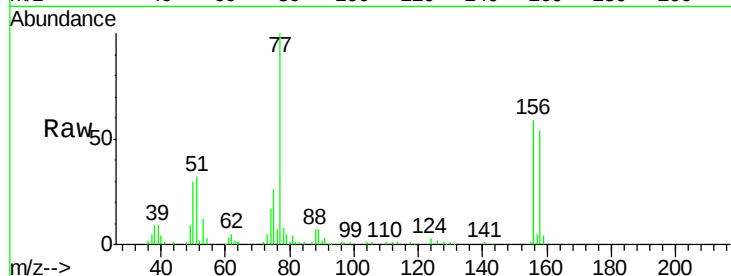
Tot Ion:156 Resp: 39862

Ion Ratio Lower Upper

156 100

77 186.6 90.5 271.5

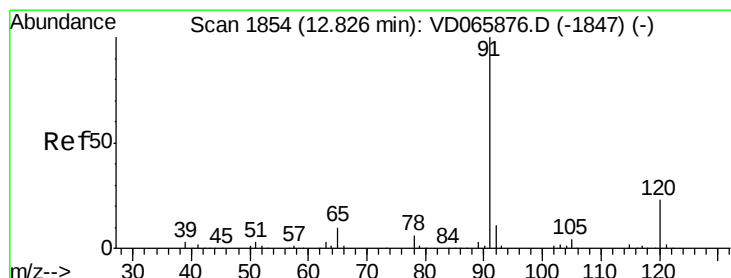
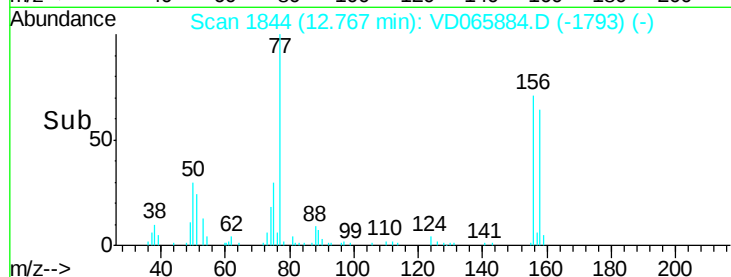
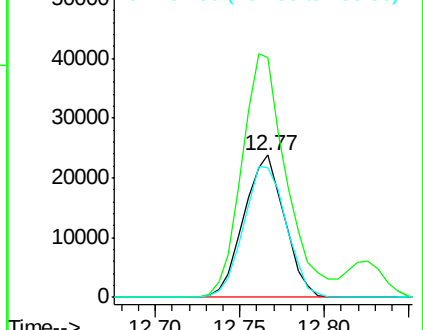
158 96.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.385 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065884.D

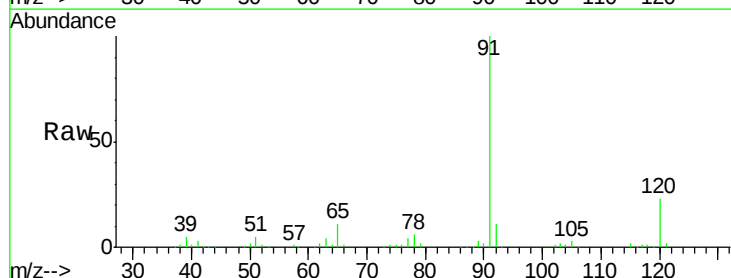
Acq: 29 Jun 2020 14:14

Tgt Ion: 91 Resp: 220757

Ion Ratio Lower Upper

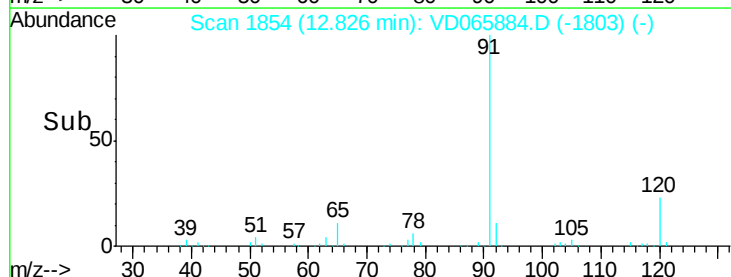
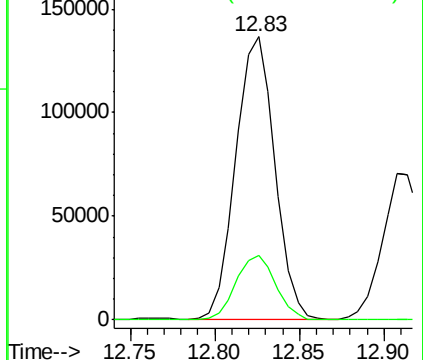
91 100

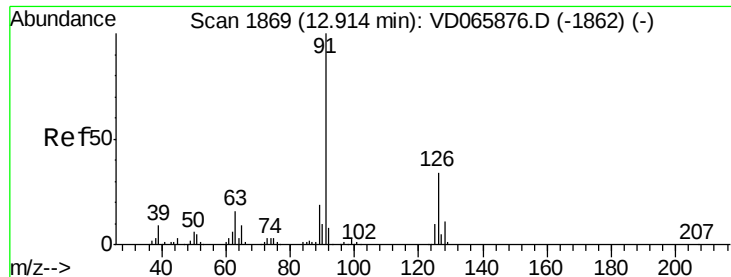
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.226 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

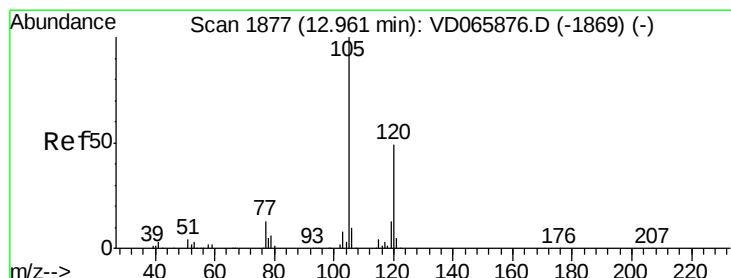
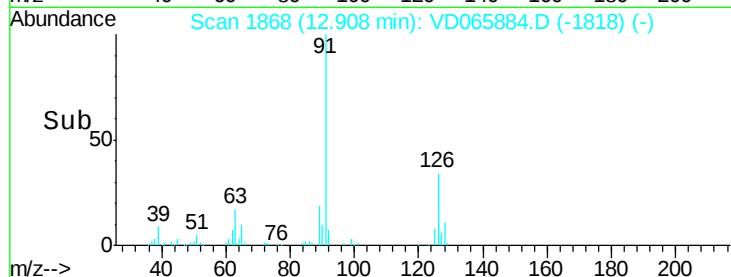
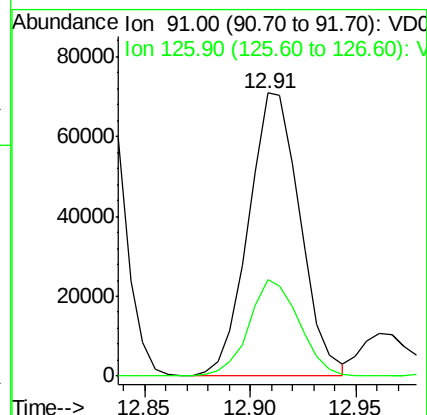
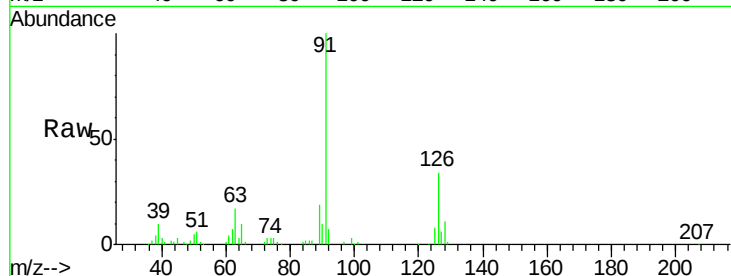
VD0629SBS01

Tot Ion: 91 Resp: 120688

Ion Ratio Lower Upper

91 100

126 33.1 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 21.109 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD065884.D

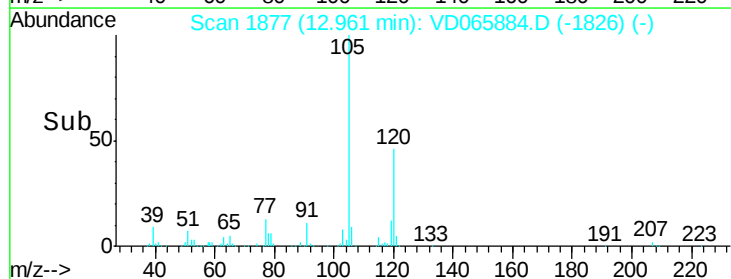
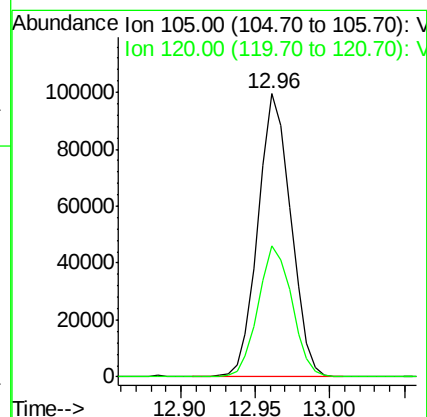
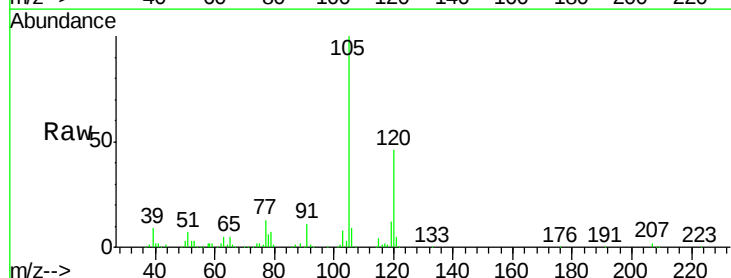
Acq: 29 Jun 2020 14:14

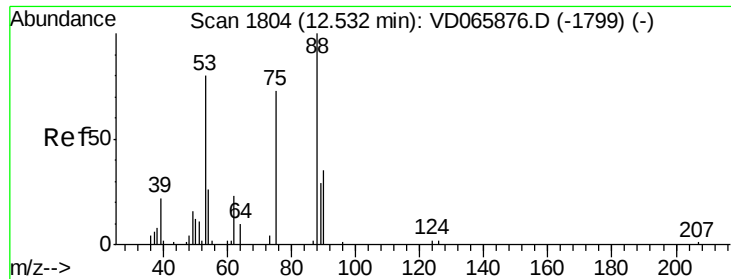
Tgt Ion:105 Resp: 151203

Ion Ratio Lower Upper

105 100

120 47.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.043 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBSD01

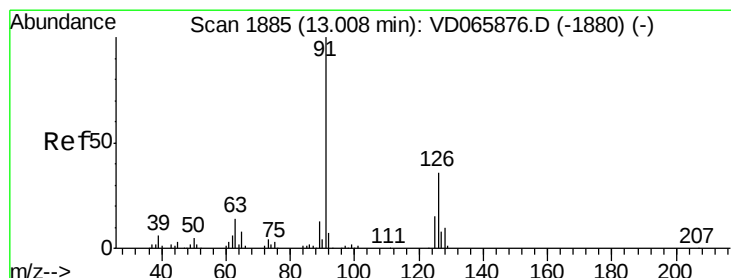
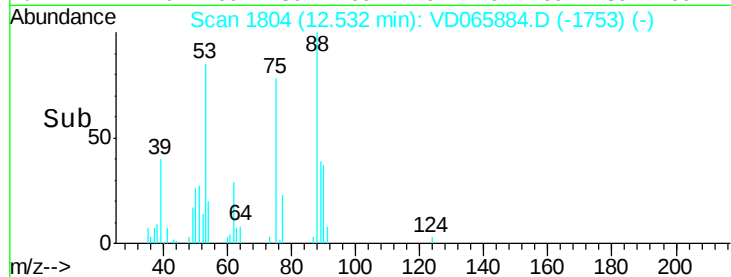
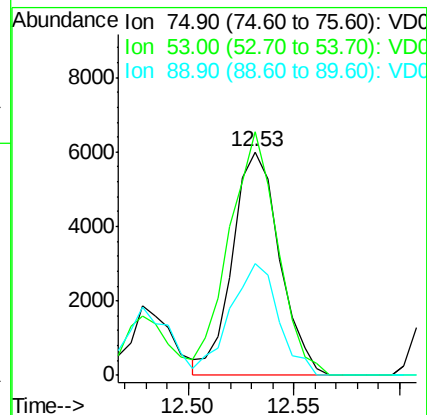
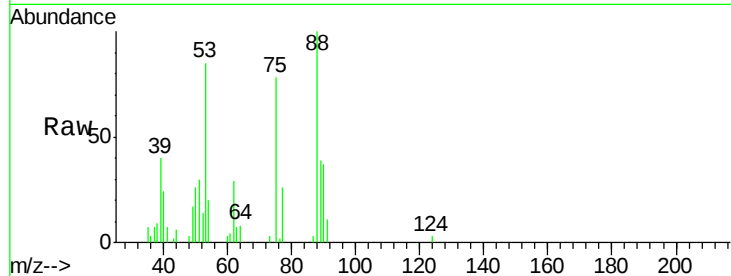
Tot Ion: 75 Resp: 9279

Ion Ratio Lower Upper

75 100

53 112.3 80.6 121.0

89 51.5 36.5 54.7



#82

4-Chlorotoluene

Concen: 21.165 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065884.D

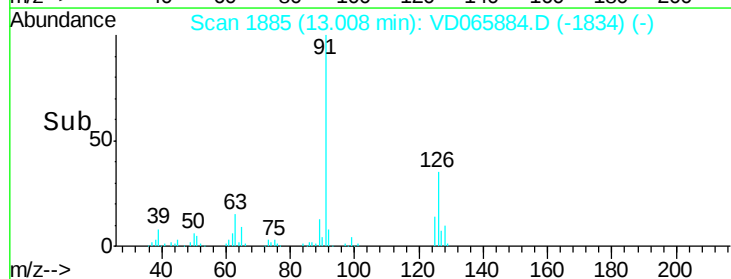
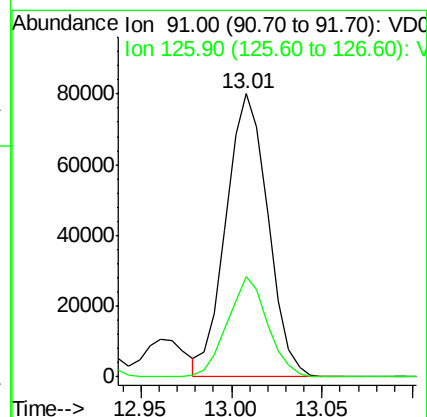
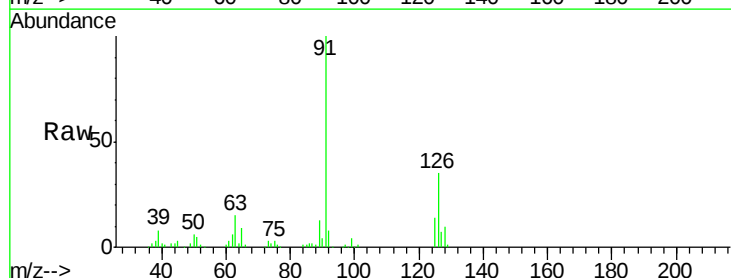
Acq: 29 Jun 2020 14:14

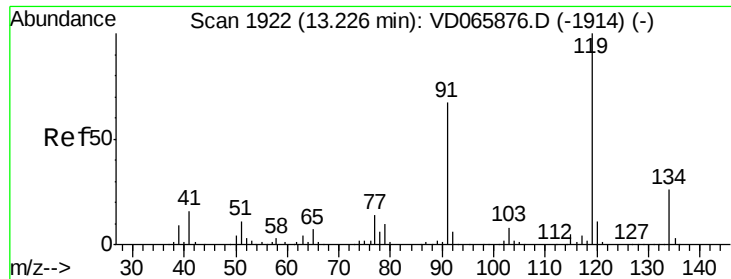
Tgt Ion: 91 Resp: 128604

Ion Ratio Lower Upper

91 100

126 33.8 16.6 49.8

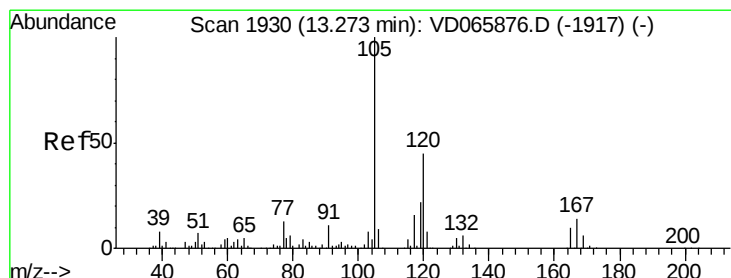
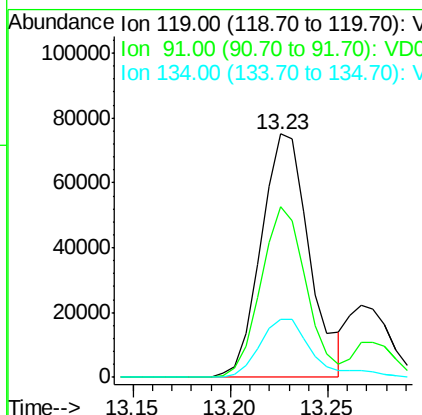
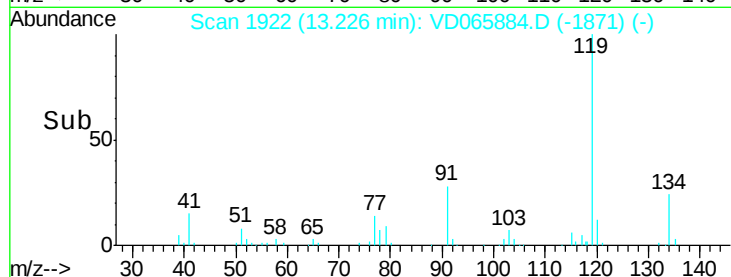
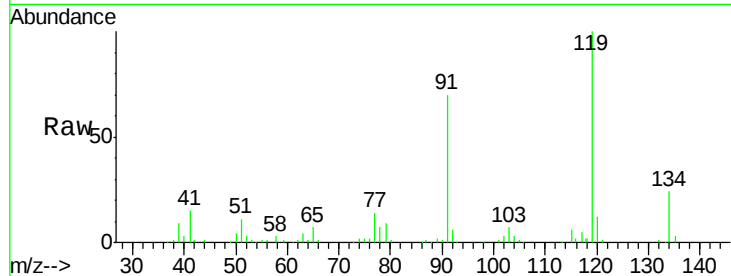




#83
tert-Butylbenzene
Concen: 21.330 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

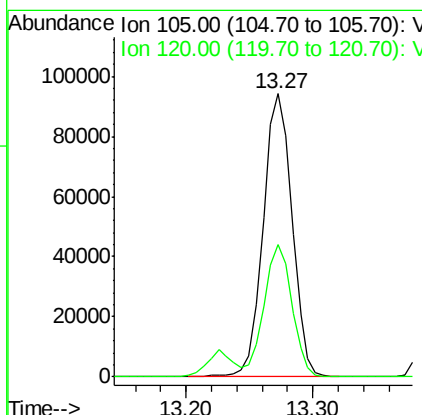
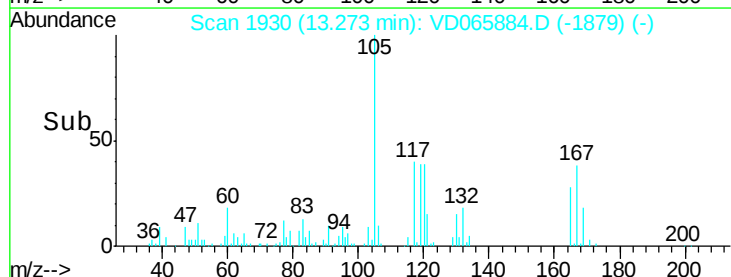
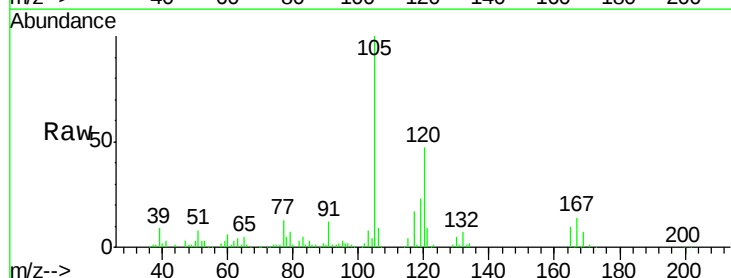
Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

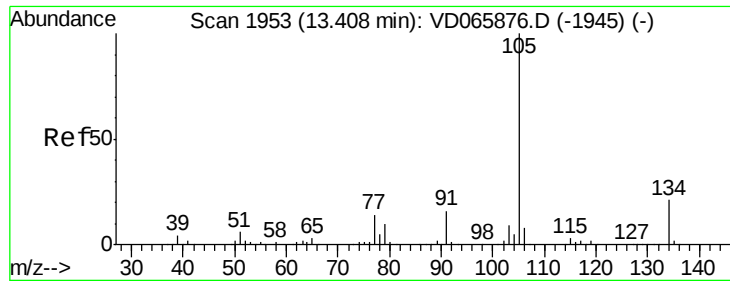
Tot Ion:119 Resp: 128578
Ion Ratio Lower Upper
119 100
91 65.9 32.2 96.6
134 26.3 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 21.208 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion:105 Resp: 149646
Ion Ratio Lower Upper
105 100
120 45.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.730 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

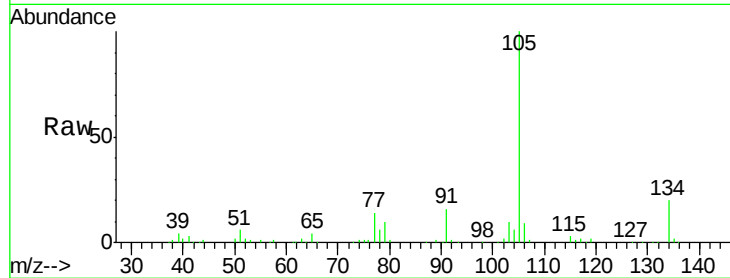
VD0629SBS01

Tot Ion:105 Resp: 178081

Ion Ratio Lower Upper

105 100

134 20.6 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

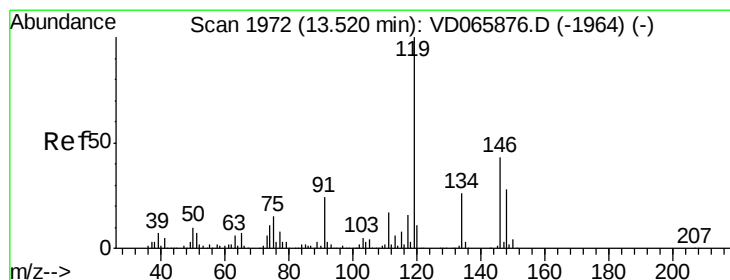
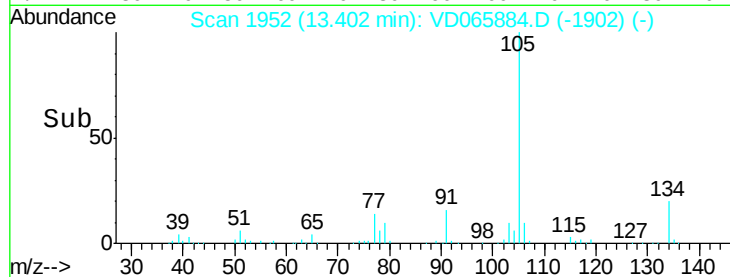
40000

20000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 21.447 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

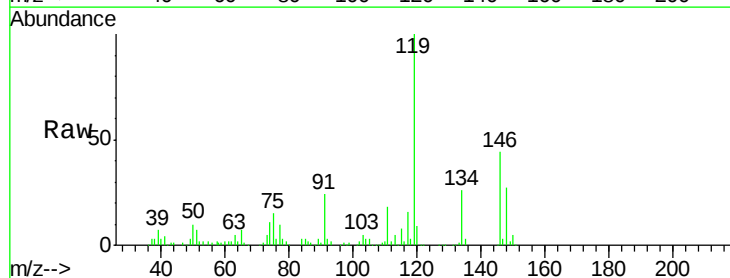
Tgt Ion:119 Resp: 167347

Ion Ratio Lower Upper

119 100

134 25.1 13.4 40.1

91 23.8 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

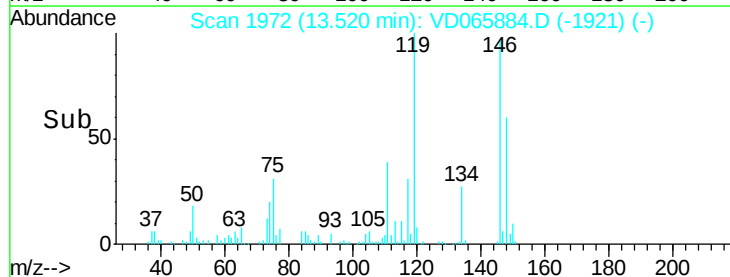
100000

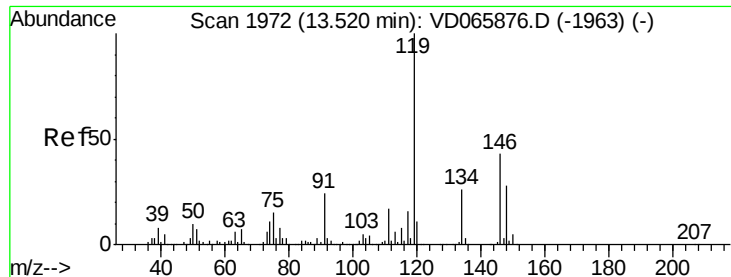
50000

0

13.45 13.50 13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.771 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBS01

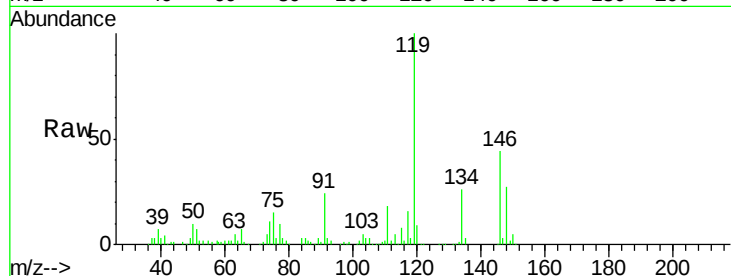
Tot Ion:146 Resp: 77743

Ion Ratio Lower Upper

146 100

111 41.3 19.4 58.4

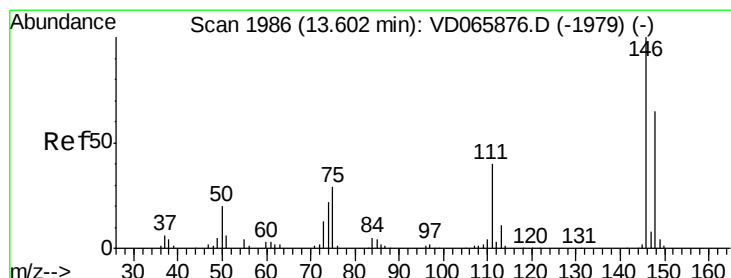
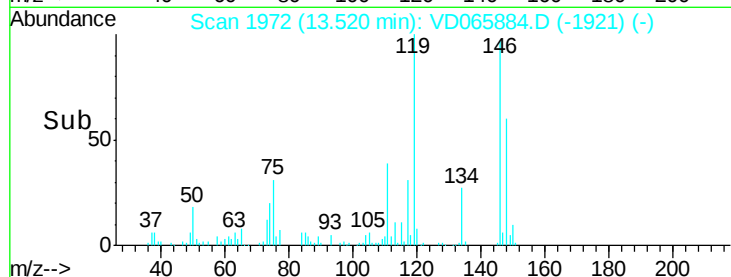
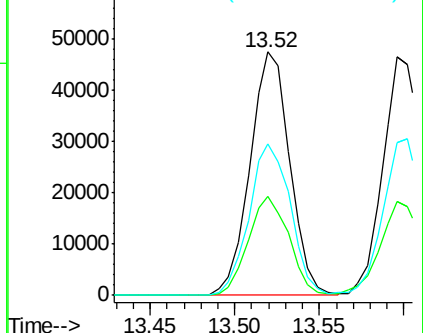
148 64.4 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 20.389 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

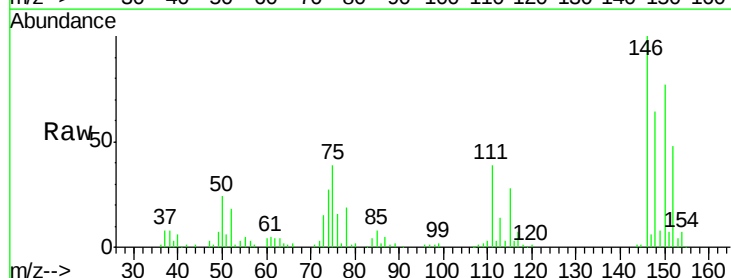
Tgt Ion:146 Resp: 76776

Ion Ratio Lower Upper

146 100

111 40.5 19.9 59.6

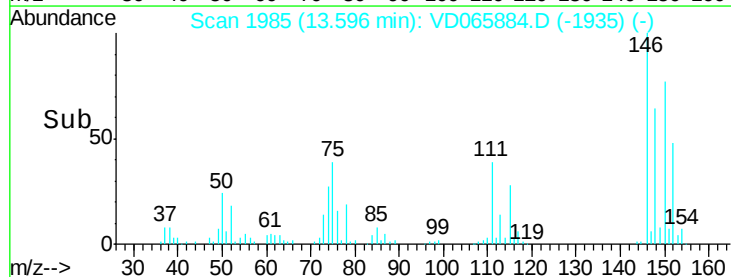
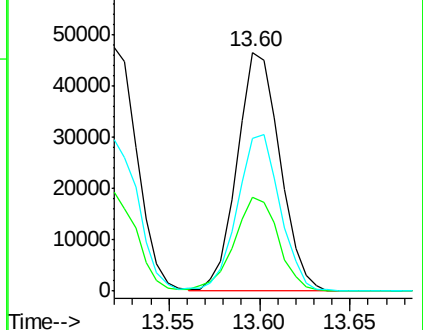
148 65.1 32.5 97.4

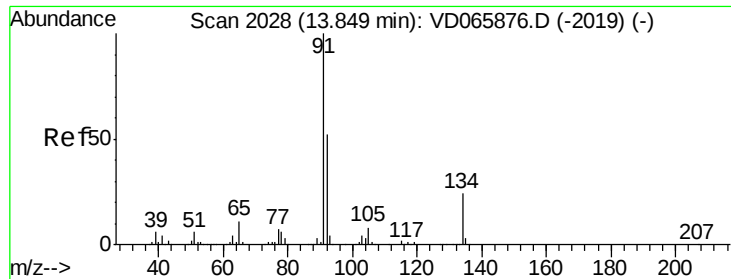


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

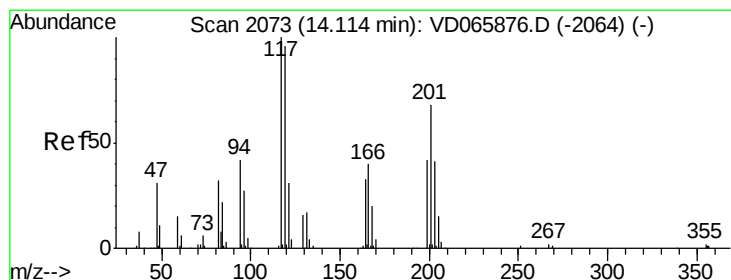
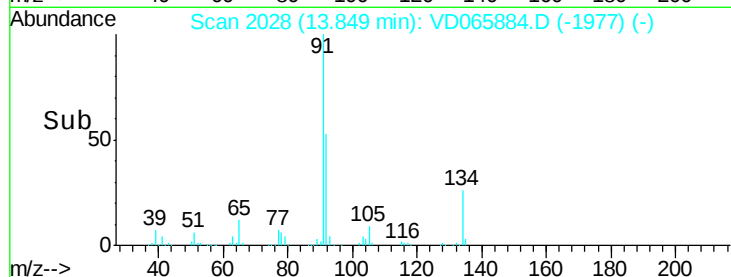
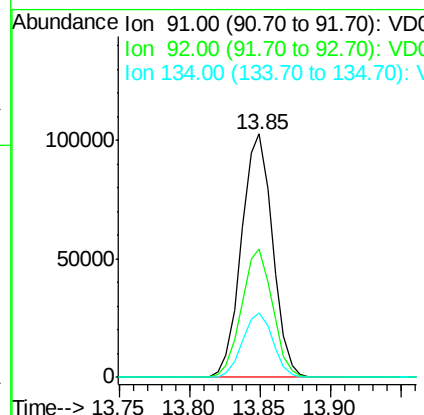
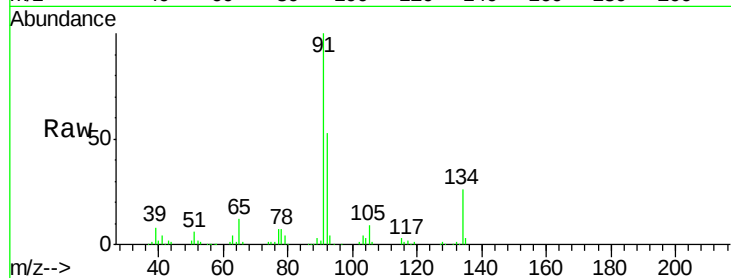




#89
n-Butylbenzene
Concen: 20.803 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

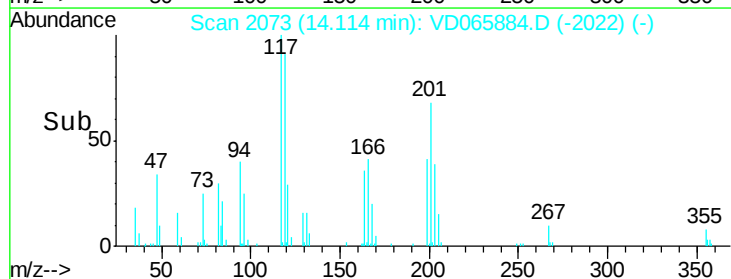
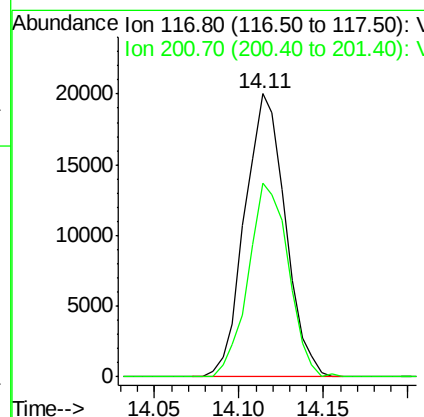
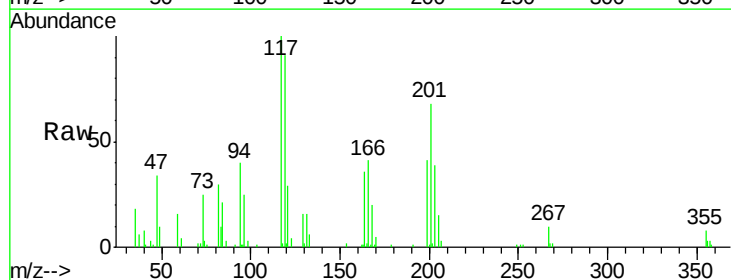
Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

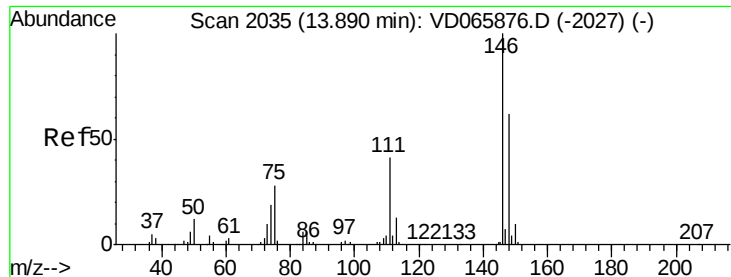
Tot Ion: 91 Resp: 158276
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.4
134 25.9 12.4 37.2



#90
Hexachloroethane
Concen: 21.039 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion: 117 Resp: 33500
Ion Ratio Lower Upper
117 100
201 67.6 35.1 105.5





#91

1,2-Dichlorobenzene

Concen: 20.498 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

Instrument :

MSVOA_D

ClientSampleId :

VD0629SBS01

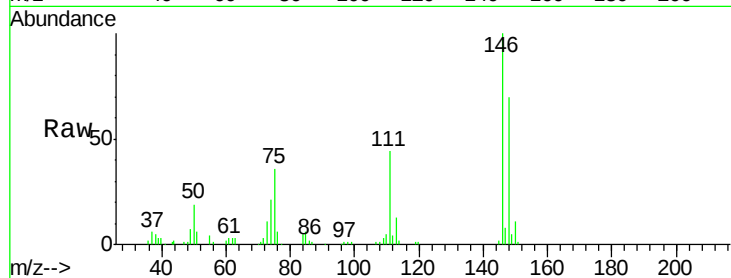
Tot Ion:146 Resp: 67213

Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.4

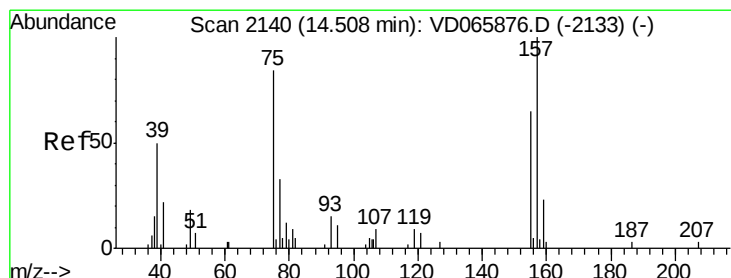
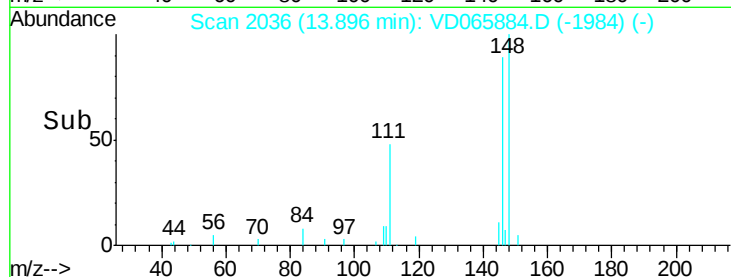
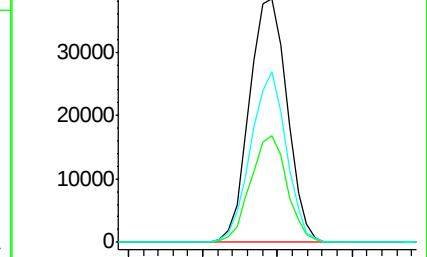
148 65.8 31.4 94.0



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: 21.888 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD065884.D

Acq: 29 Jun 2020 14:14

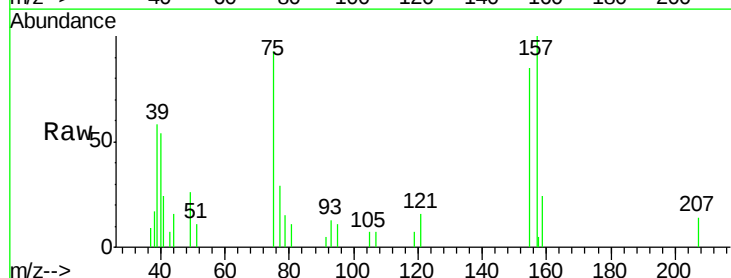
Tgt Ion: 75 Resp: 4782

Ion Ratio Lower Upper

75 100

155 82.7 37.8 113.3

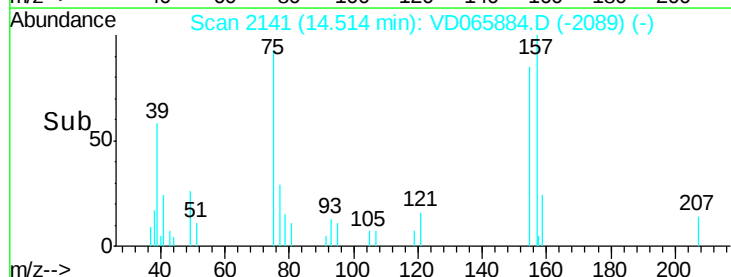
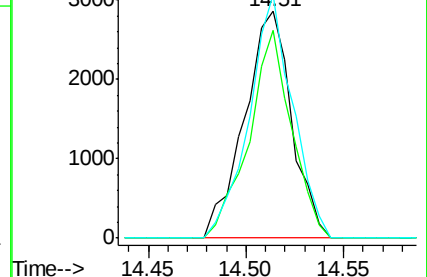
157 99.1 50.6 151.8

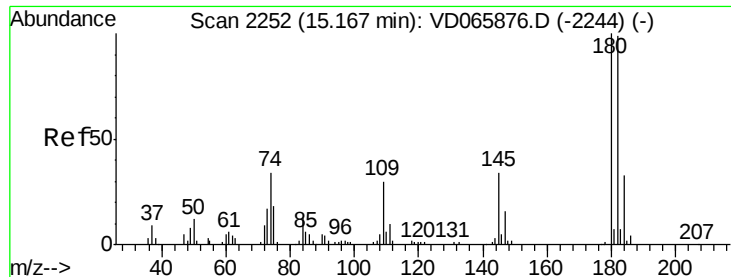


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

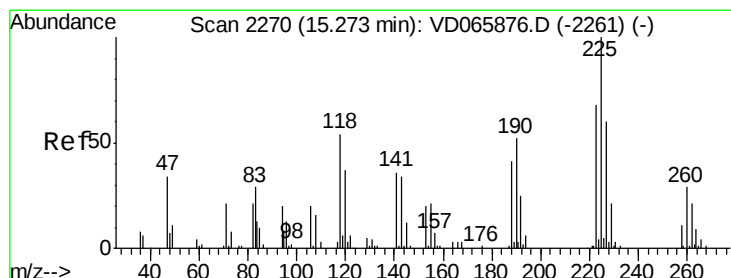
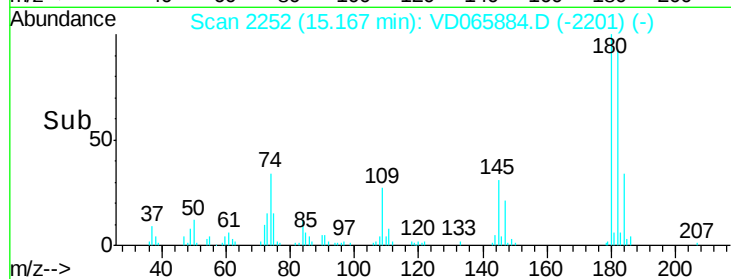
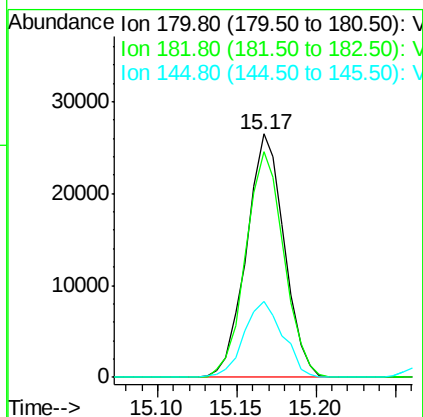
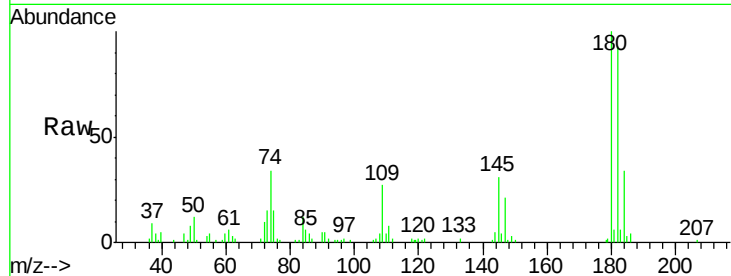




#93
 1,2,4-Trichlorobenzene
 Concen: 21.089 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

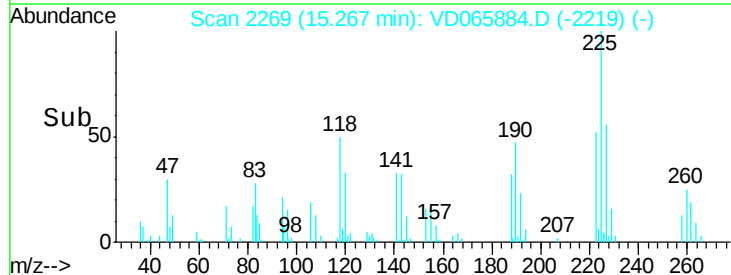
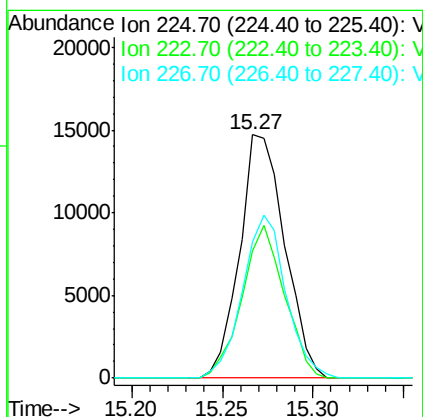
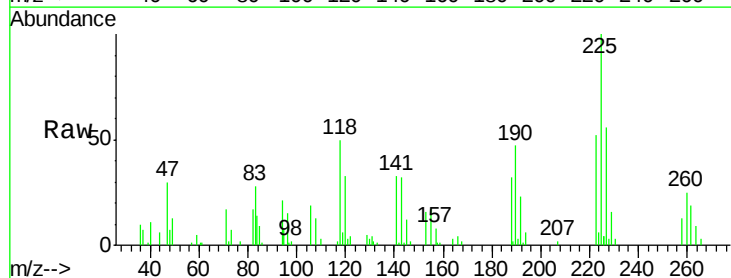
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0629SBS01

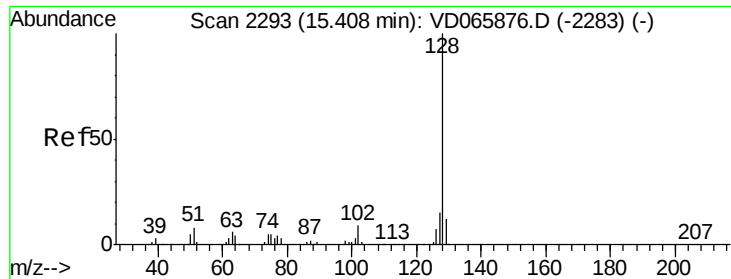
Tot Ion:180 Resp: 43837
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.7 143.1
 145 32.3 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 21.446 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD065884.D
 Acq: 29 Jun 2020 14:14

Tgt Ion:225 Resp: 25428
 Ion Ratio Lower Upper
 225 100
 223 59.0 31.3 93.8
 227 64.6 30.1 90.3

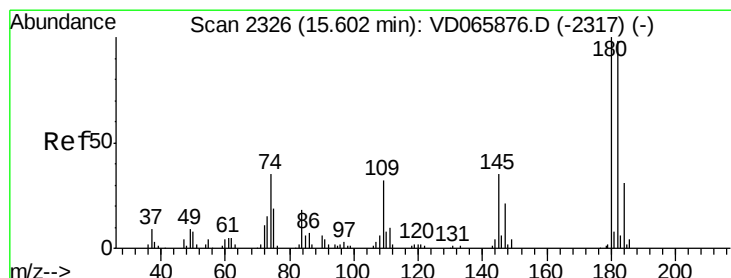
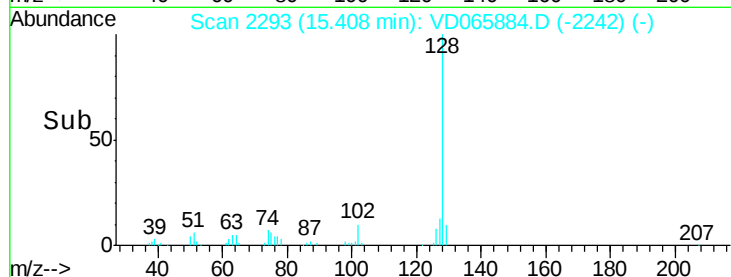
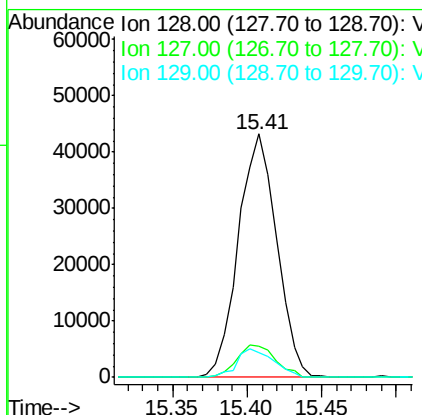
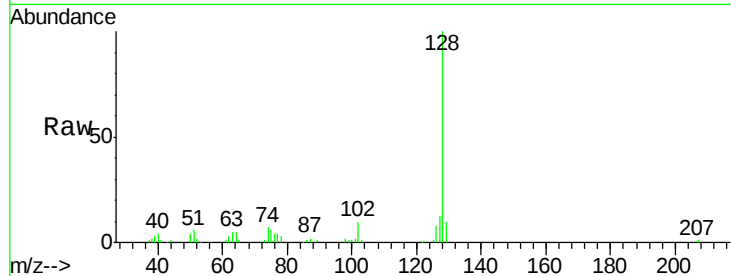




#95
Naphthalene
Concen: 20.724 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Instrument :
MSVOA_D
ClientSampleId :
VD0629SBSD01

Tot Ion:128 Resp: 77345
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.501 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065884.D
Acq: 29 Jun 2020 14:14

Tgt Ion:180 Resp: 39030
Ion Ratio Lower Upper
180 100
182 90.0 48.9 146.6
145 32.8 16.6 49.7

