

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061920\
 Data File : VD065826.D
 Acq On : 19 Jun 2020 14:01
 Operator : VA/SY
 Sample : VD0619SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBS01

Quant Time: Jun 20 01:45:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	185847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	294165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	271121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99428	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	7.91	113	96172	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.34	98	370841	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
62) 4-Bromofluorobenzene	12.64	95	122516	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	30803	22.470	ug/l	94
3) Chloromethane	2.21	50	55740	23.764	ug/l	98
4) Vinyl Chloride	2.35	62	65455	23.872	ug/l	97
5) Bromomethane	2.76	94	43518	22.695	ug/l	96
6) Chloroethane	2.92	64	42465	22.905	ug/l	98
7) Trichlorofluoromethane	3.27	101	70166	22.586	ug/l	91
8) Diethyl Ether	3.71	74	17507	21.435	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	40392	21.805	ug/l	97
10) Methyl Iodide	4.30	142	36661	20.324	ug/l	98
11) Tert butyl alcohol	5.22	59	10833	81.220	ug/l	97
12) 1,1-Dichloroethene	4.07	96	36983	21.905	ug/l	96
13) Acrolein	3.93	56	8148	78.993	ug/l	92
14) Allyl chloride	4.71	41	59421	21.294	ug/l	98
15) Acrylonitrile	5.42	53	37943	102.284	ug/l	98
16) Acetone	4.16	43	37419	108.020	ug/l	97
17) Carbon Disulfide	4.41	76	119297	21.053	ug/l	99
18) Methyl Acetate	4.72	43	18355	21.415	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	77828	20.352	ug/l	99
20) Methylene Chloride	4.96	84	49526	24.667	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	42571	21.531	ug/l	96
22) Diisopropyl ether	6.36	45	122750	21.771	ug/l	93
23) Vinyl Acetate	6.31	43	336284	105.623	ug/l	97
24) 1,1-Dichloroethane	6.27	63	73590	21.421	ug/l #	96
25) 2-Butanone	7.21	43	50781	106.146	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	64556	21.193	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	44828	21.077	ug/l	99
28) Bromochloromethane	7.54	49	28296	21.326	ug/l	100
29) Tetrahydrofuran	7.56	42	31888	105.462	ug/l	94
30) Chloroform	7.71	83	75657	21.247	ug/l	99
31) Cyclohexane	7.98	56	69816	21.199	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	68744	20.996	ug/l	96
36) 1,1-Dichloropropene	8.11	75	59666	21.174	ug/l	98
37) Ethyl Acetate	7.29	43	23074	20.789	ug/l	98
38) Carbon Tetrachloride	8.10	117	62500	21.075	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70700	21.191	ug/l	95
40) Benzene	8.35	78	164622	21.370	ug/l	97
41) Methacrylonitrile	7.53	41	12967	19.620	ug/l	94
42) 1,2-Dichloroethane	8.43	62	47735	20.537	ug/l	99
43) Isopropyl Acetate	8.46	43	43551	19.732	ug/l	99
44) Trichloroethene	9.11	130	44164	20.601	ug/l	95
45) 1,2-Dichloropropane	9.39	63	41095	21.231	ug/l	97
46) Dibromomethane	9.48	93	21434	20.417	ug/l	95
47) Bromodichloromethane	9.66	83	57196	20.332	ug/l	97
48) Methyl methacrylate	9.46	41	19570	18.318	ug/l	88
49) 1,4-Dioxane	9.46	88	4960	443.893	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	108649	100.460	ug/l	97
52) Toluene	10.41	92	106086	21.194	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	52768	20.714	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	63325	21.048	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	27610	19.683	ug/l	96
56) Ethyl methacrylate	10.66	69	32796	19.878	ug/l	95
57) 1,3-Dichloropropane	10.95	76	49347	20.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	83646	109.049	ug/l	98
59) 2-Hexanone	10.98	43	74851	102.656	ug/l	100
60) Dibromochloromethane	11.14	129	38004	20.056	ug/l	97
61) 1,2-Dibromoethane	11.25	107	28618	20.760	ug/l	100
64) Tetrachloroethene	10.88	164	37546	20.480	ug/l	92
65) Chlorobenzene	11.67	112	110204	20.821	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	40644	20.601	ug/l	98
67) Ethyl Benzene	11.75	91	198949	21.041	ug/l	96
68) m/p-Xylenes	11.85	106	155940	42.816	ug/l	98
69) o-Xylene	12.18	106	68554	20.876	ug/l	99
70) Styrene	12.20	104	118230	20.798	ug/l	97
71) Bromoform	12.37	173	21626	19.905	ug/l #	100
73) Isopropylbenzene	12.48	105	190840	20.094	ug/l	99
74) N-amyl acetate	12.29	43	40678	19.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	32607	20.329	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	28765m	26.111	ug/l	
77) Bromobenzene	12.77	156	45494	20.246	ug/l	99
78) n-propylbenzene	12.83	91	235945	20.639	ug/l	99
79) 2-Chlorotoluene	12.91	91	130038	20.735	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	162068	20.506	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	10557	20.705	ug/l	94
82) 4-Chlorotoluene	13.01	91	138616	20.592	ug/l	100
83) tert-Butylbenzene	13.23	119	139815	20.388	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	161785	20.452	ug/l	100
85) sec-Butylbenzene	13.41	105	195224	20.456	ug/l	99
86) p-Isopropyltoluene	13.52	119	178056	20.356	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	89483	20.196	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	87281	19.803	ug/l	97
89) n-Butylbenzene	13.85	91	170715	20.463	ug/l	99
90) Hexachloroethane	14.11	117	36265	20.712	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	76054	19.946	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5255	19.687	ug/l	85

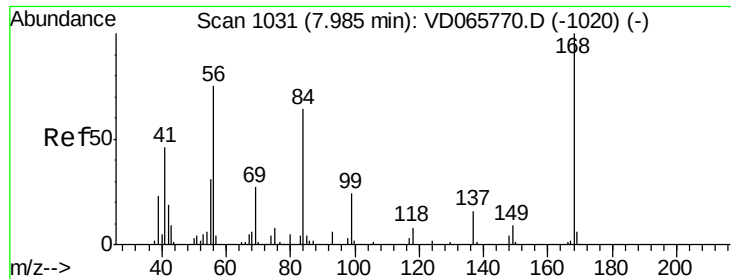
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061920\
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Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	49203	18.978	ug/l	98
94) Hexachlorobutadiene	15.27	225	28602	18.250	ug/l	98
95) Naphthalene	15.41	128	79913	18.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	41596	18.628	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

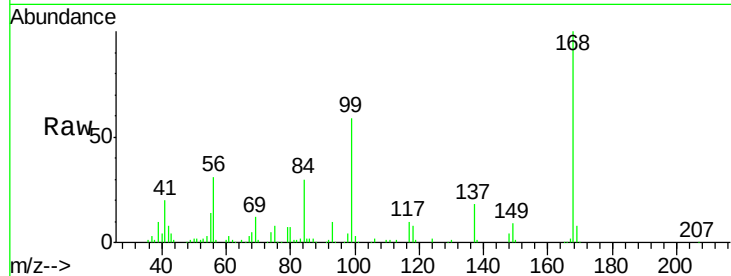
VD0619SBSD01

Tot Ion:168 Resp: 185847

Ion Ratio Lower Upper

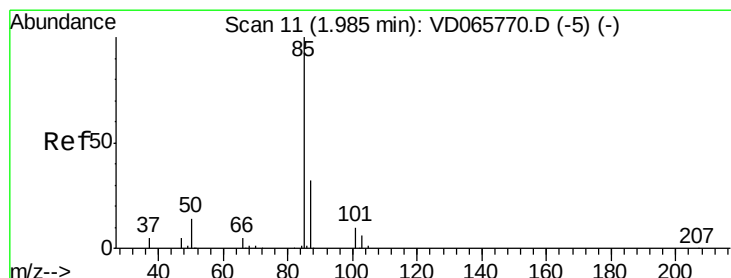
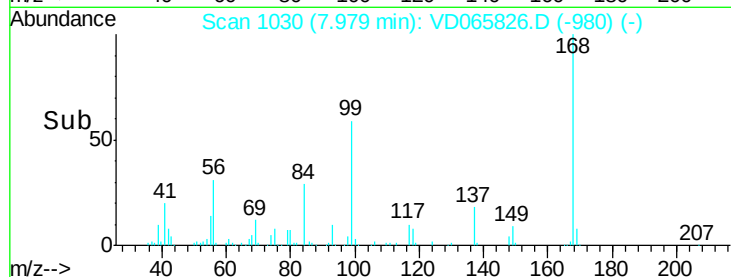
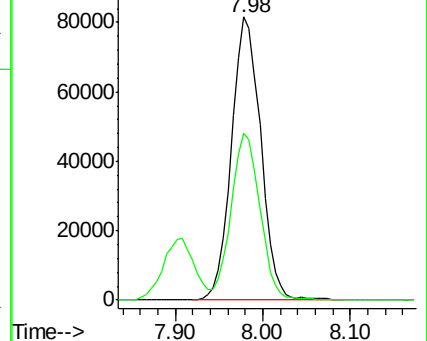
168 100

99 58.9 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.470 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065826.D

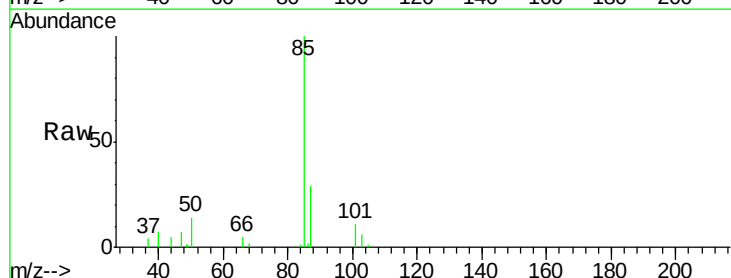
Acq: 19 Jun 2020 14:01

Tgt Ion: 85 Resp: 30803

Ion Ratio Lower Upper

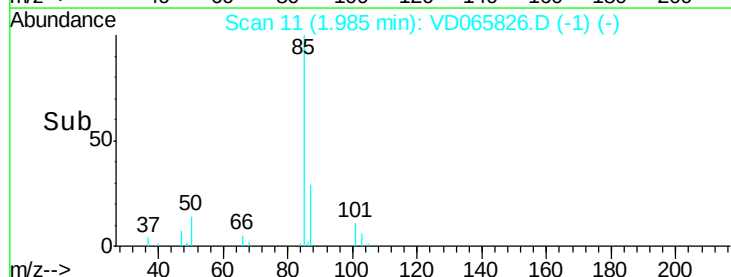
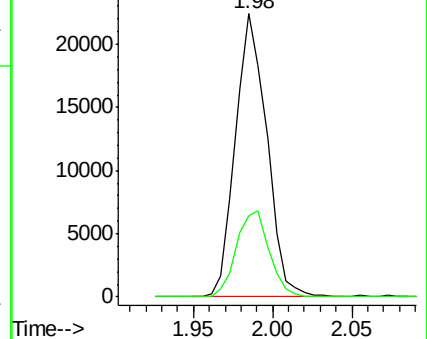
85 100

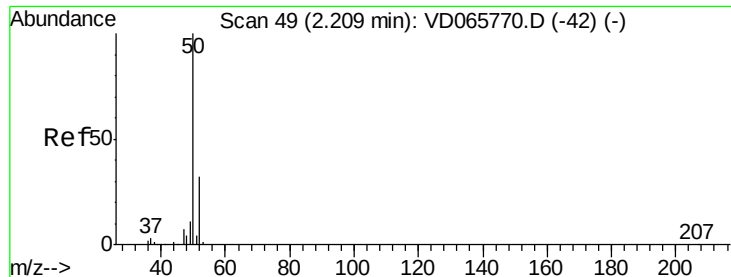
87 28.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.764 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

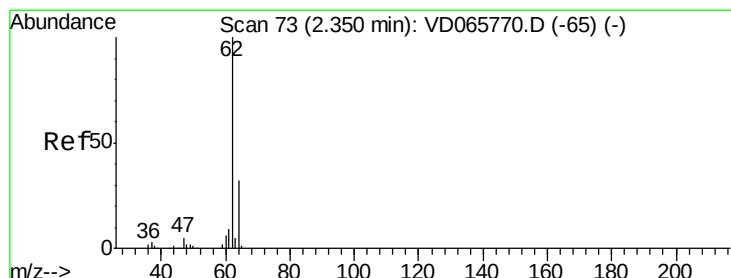
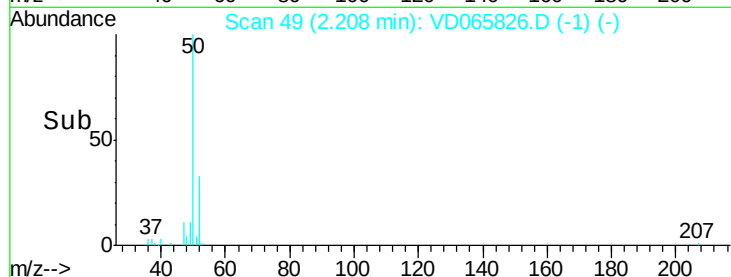
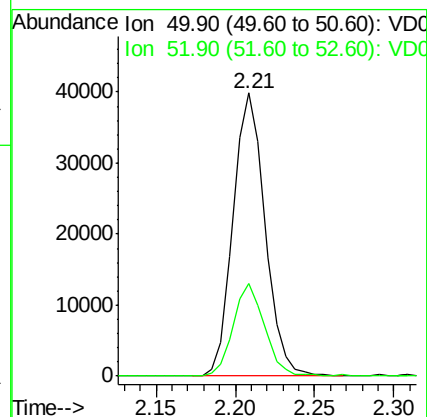
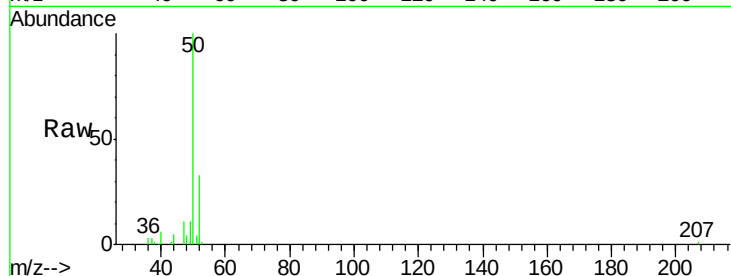
VD0619SBSD01

Tot Ion: 50 Resp: 55740

Ion Ratio Lower Upper

50 100

52 32.9 25.6 38.4



#4

Vinyl Chloride

Concen: 23.872 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065826.D

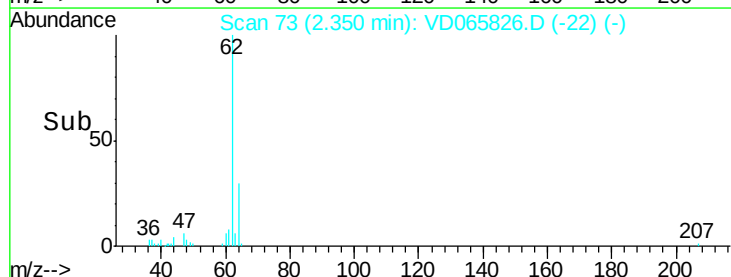
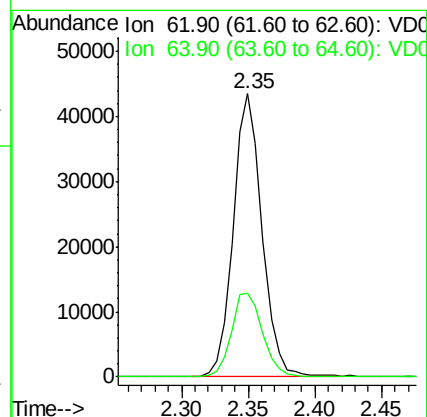
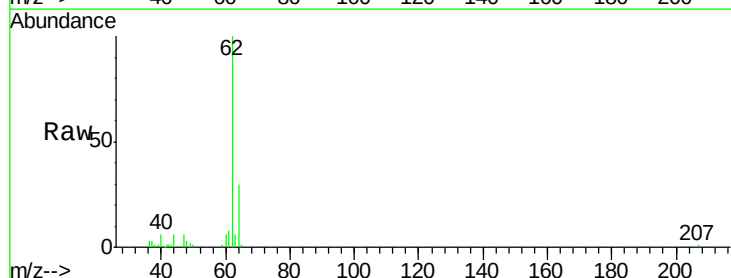
Acq: 19 Jun 2020 14:01

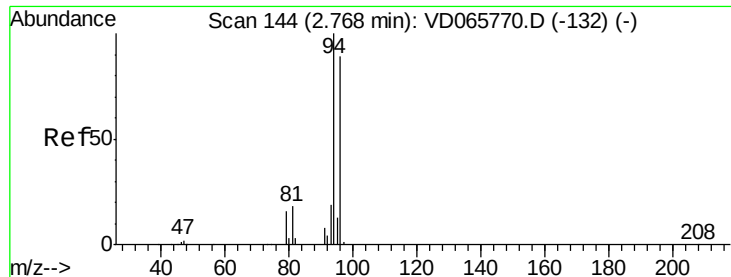
Tgt Ion: 62 Resp: 65455

Ion Ratio Lower Upper

62 100

64 29.8 25.3 37.9





#5

Bromomethane

Concen: 22.695 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

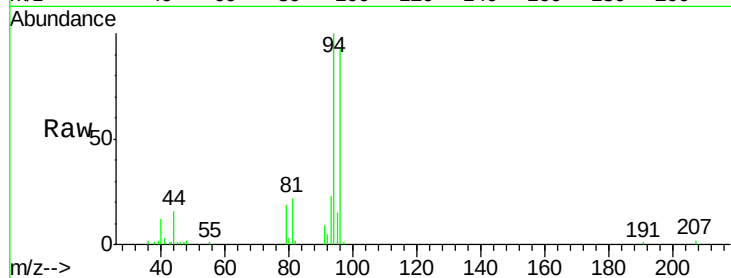
VD0619SBSD01

Tot Ion: 94 Resp: 43518

Ion Ratio Lower Upper

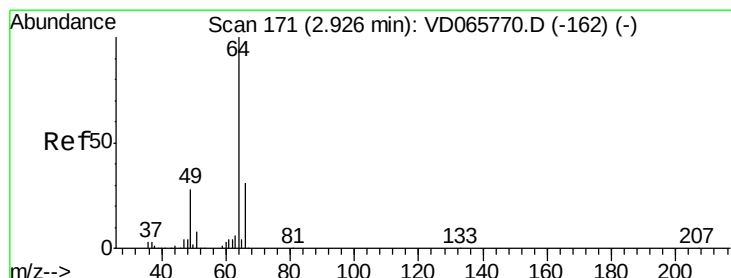
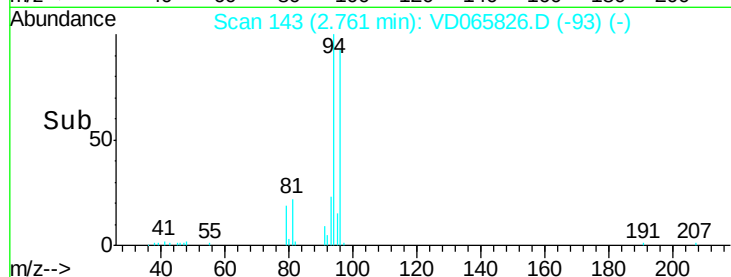
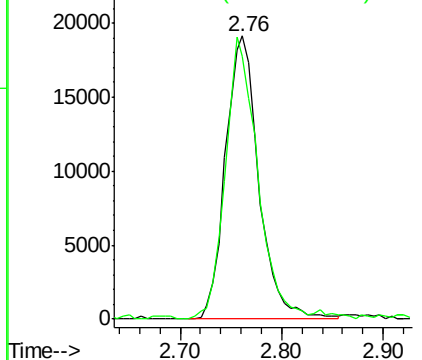
94 100

96 92.8 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.905 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065826.D

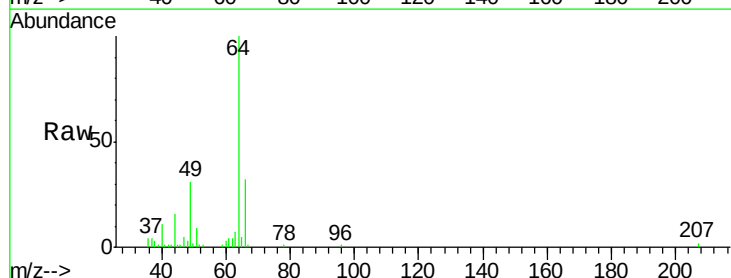
Acq: 19 Jun 2020 14:01

Tgt Ion: 64 Resp: 42465

Ion Ratio Lower Upper

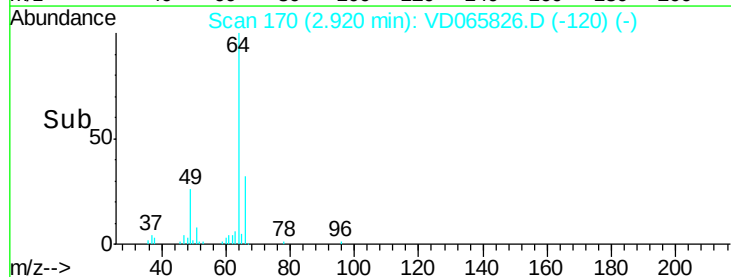
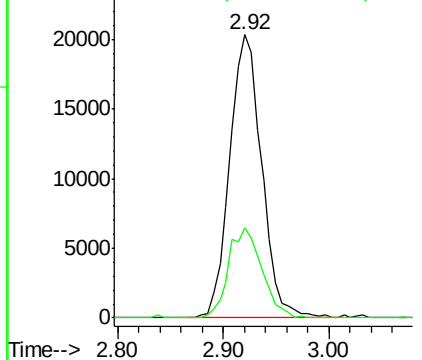
64 100

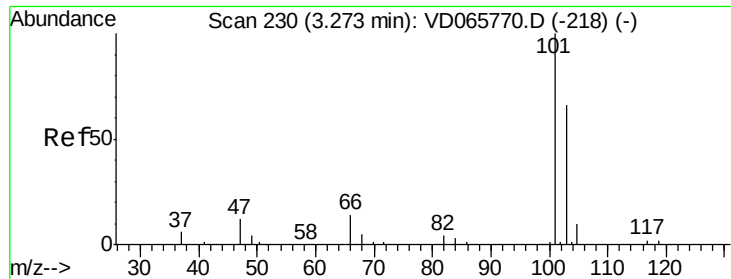
66 31.8 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



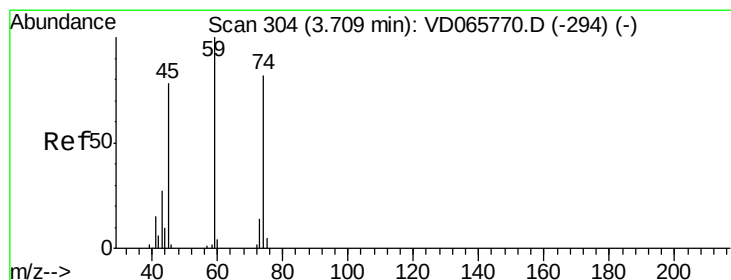
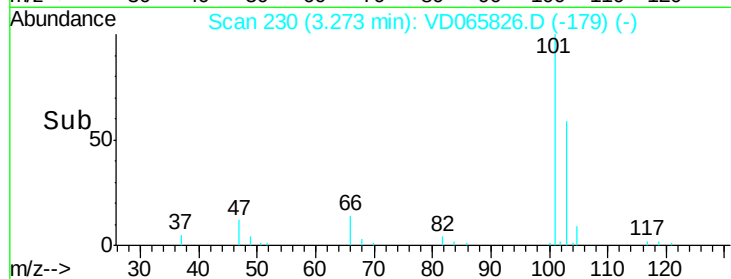
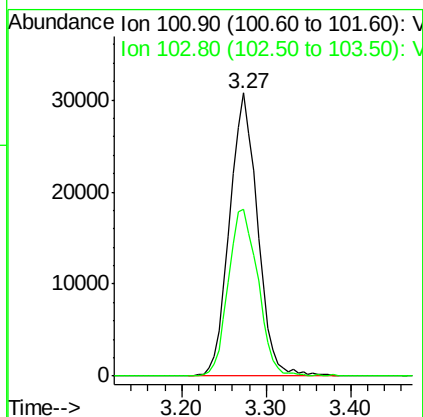
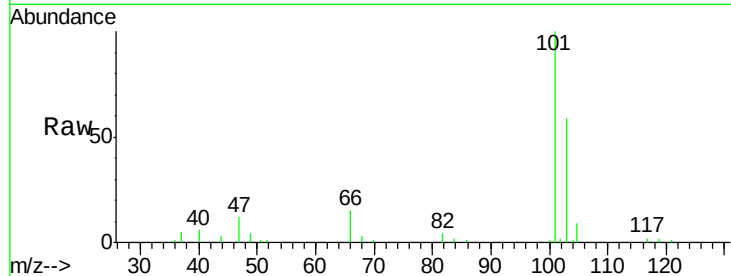


#7

Trichlorofluoromethane
Concen: 22.586 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

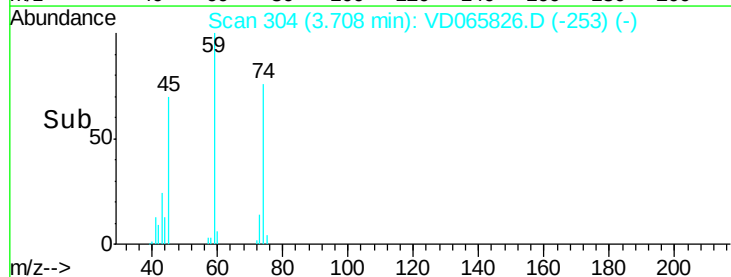
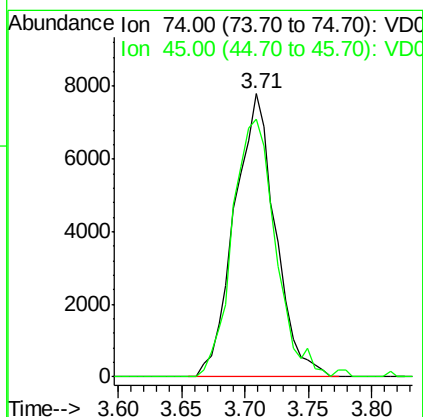
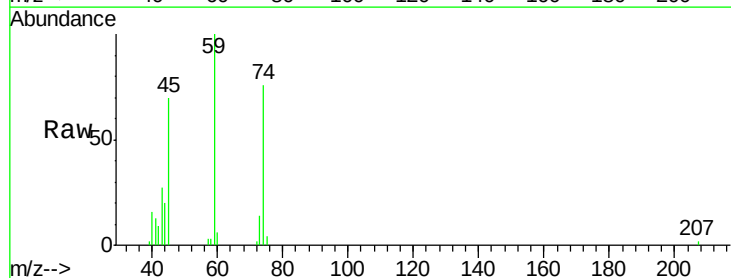
Tot Ion:101 Resp: 70166
Ion Ratio Lower Upper
101 100
103 59.0 53.1 79.7

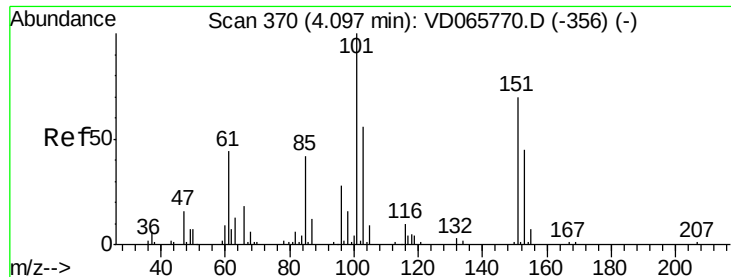


#8

Diethyl Ether
Concen: 21.435 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 74 Resp: 17507
Ion Ratio Lower Upper
74 100
45 95.7 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.805 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

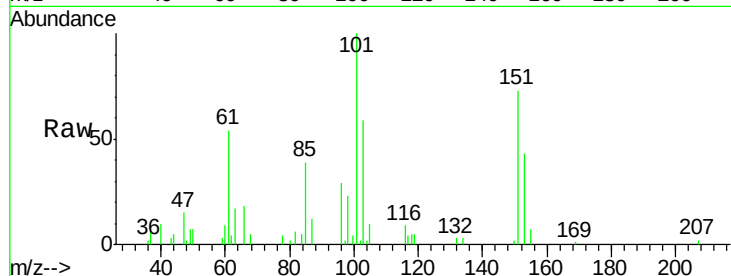
Tot Ion:101 Resp: 40392

Ion Ratio Lower Upper

101 100

85 46.9 36.5 54.7

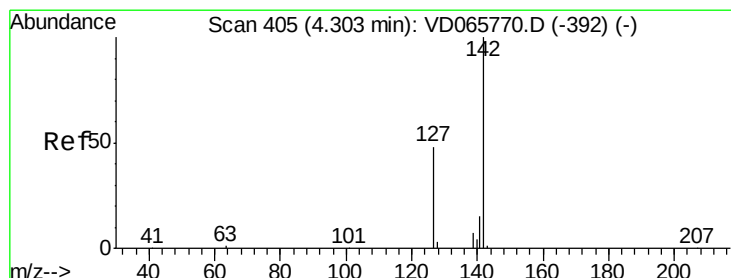
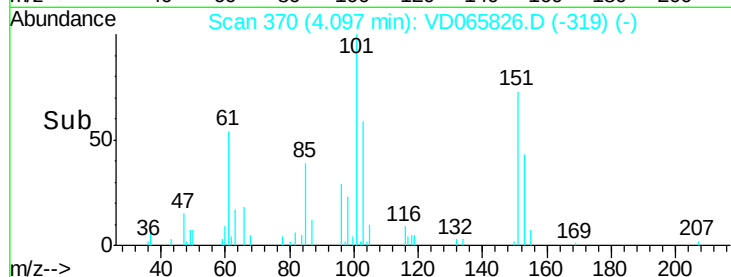
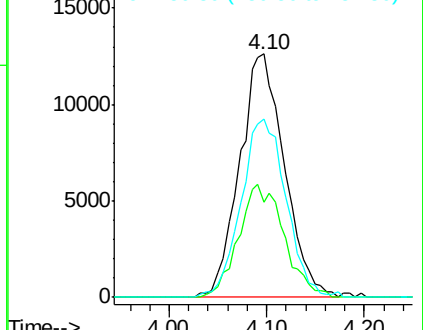
151 73.8 61.8 92.6



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: 20.324 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

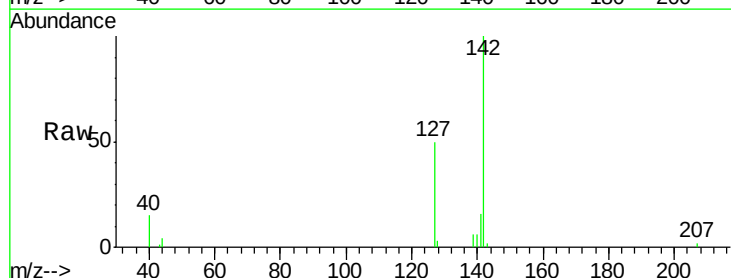
Tgt Ion:142 Resp: 36661

Ion Ratio Lower Upper

142 100

127 48.7 37.6 56.4

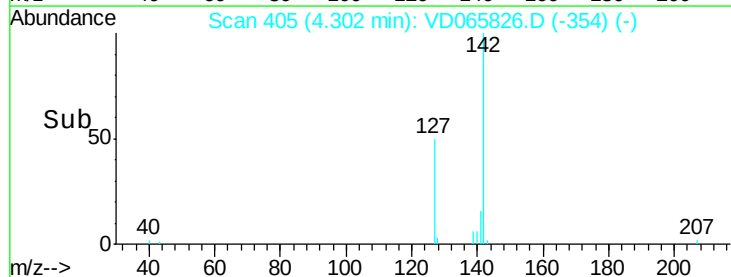
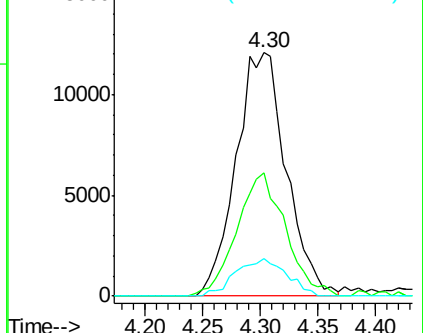
141 15.7 12.1 18.1

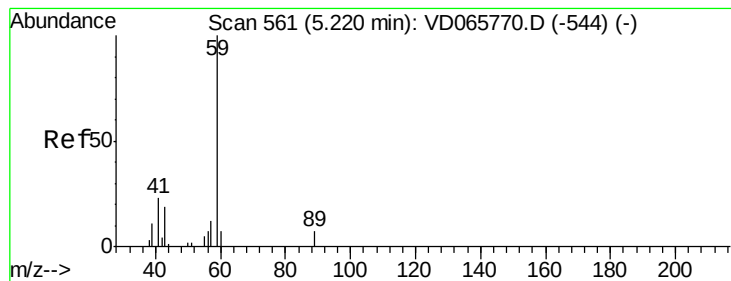


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



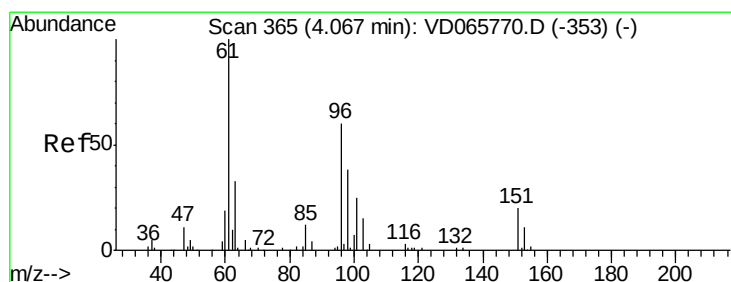
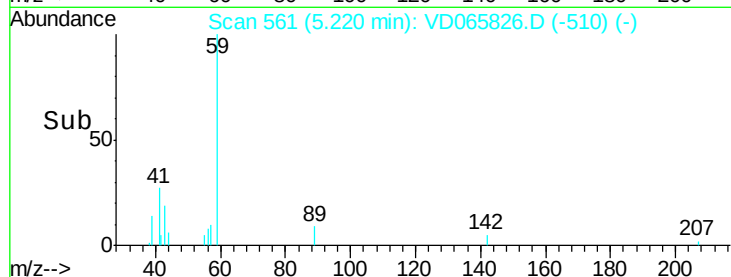
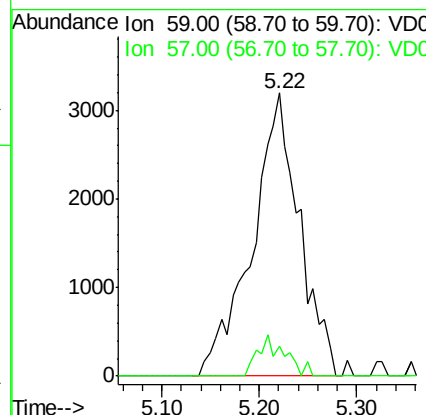
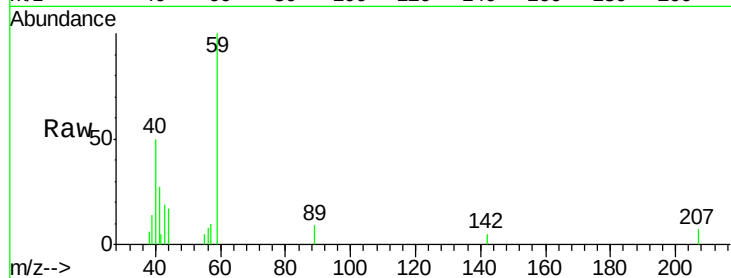


#11

Tert butyl alcohol
Concen: 81.220 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

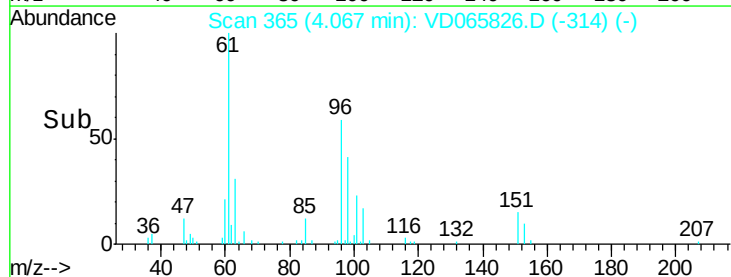
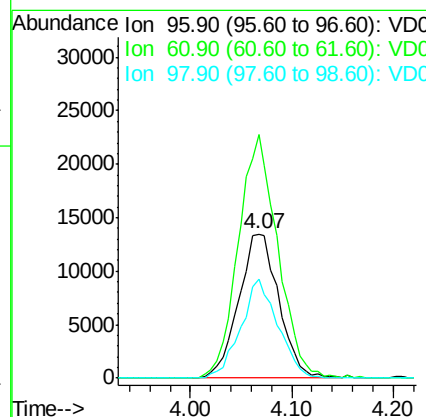
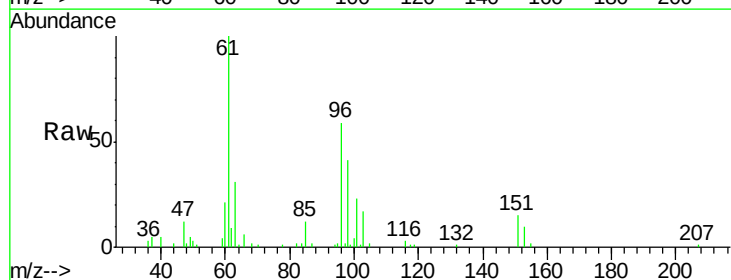
Tot Ion: 59 Resp: 10833
Ion Ratio Lower Upper
59 100
57 8.3 7.5 11.3

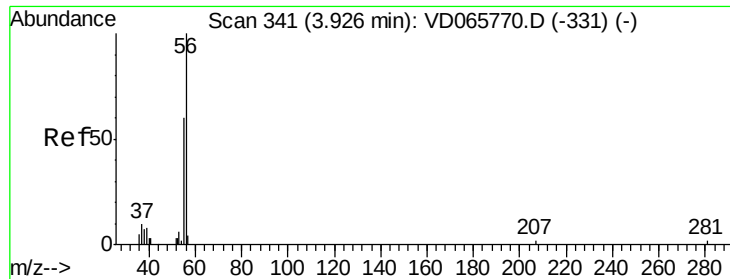


#12

1,1-Dichloroethene
Concen: 21.905 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 96 Resp: 36983
Ion Ratio Lower Upper
96 100
61 169.3 132.3 198.5
98 69.0 50.7 76.1





#13

Acrolein

Concen: 78.993 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

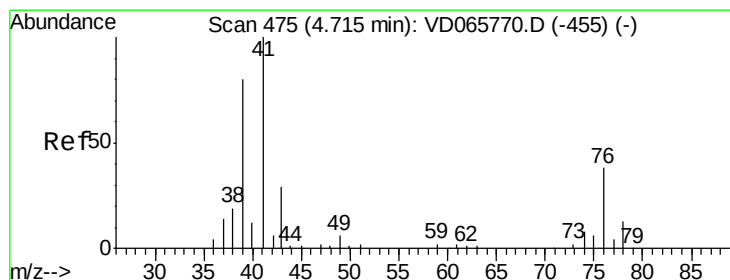
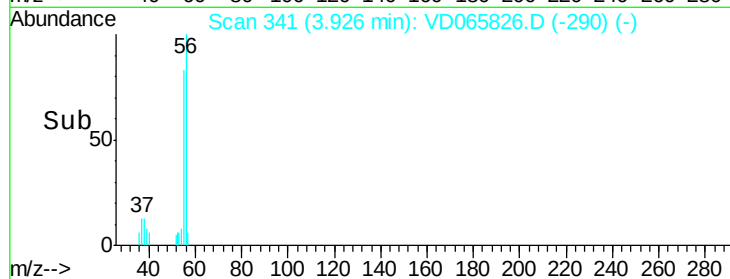
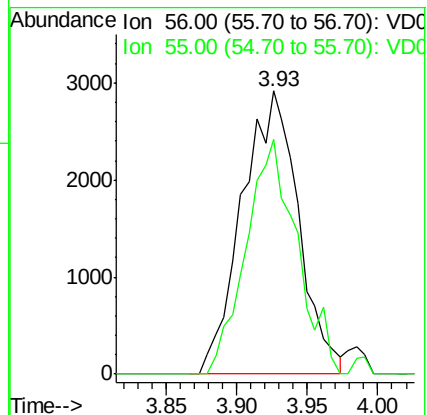
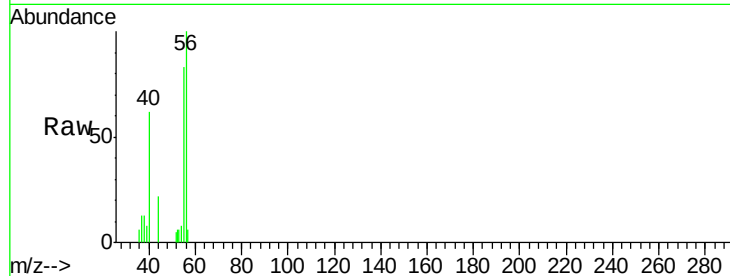
VD0619SBSD01

Tot Ion: 56 Resp: 8148

Ion Ratio Lower Upper

56 100

55 74.7 54.8 82.2



#14

Allyl chloride

Concen: 21.294 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

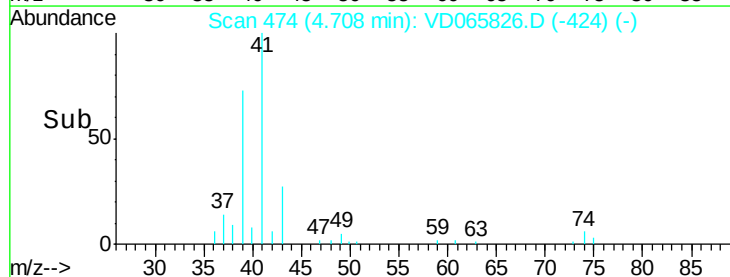
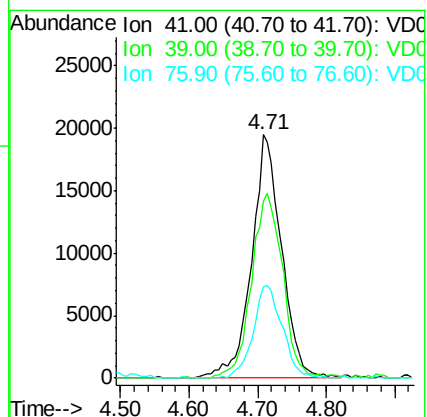
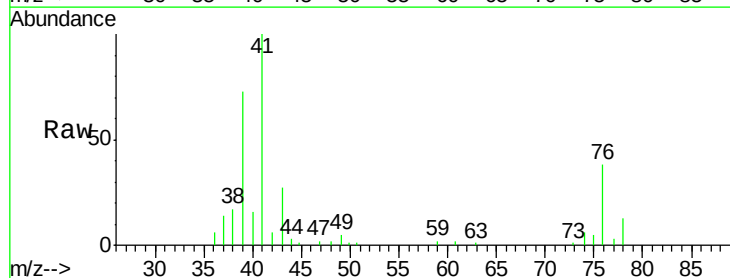
Tgt Ion: 41 Resp: 59421

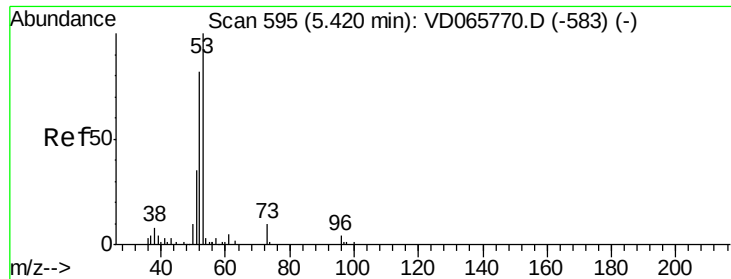
Ion Ratio Lower Upper

41 100

39 78.2 60.9 91.3

76 37.1 28.9 43.3





#15

Acrylonitrile

Concen: 102.284 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

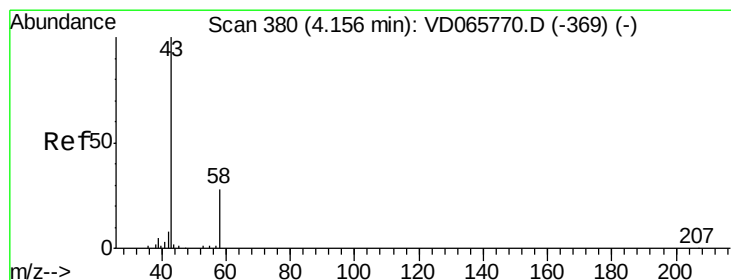
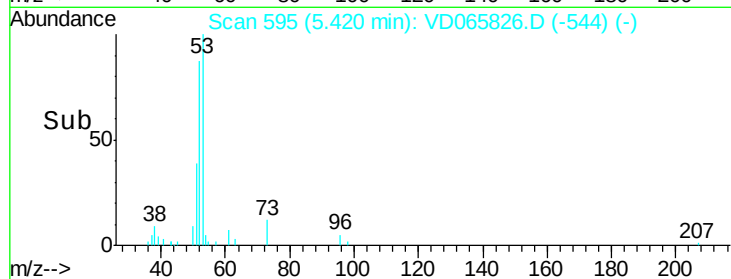
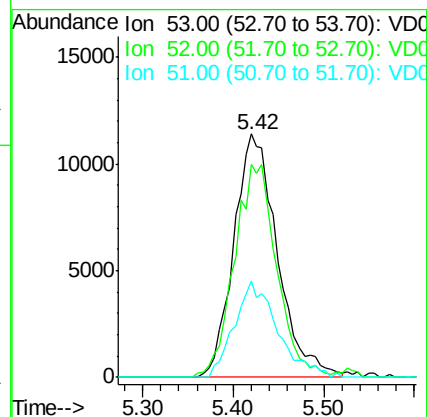
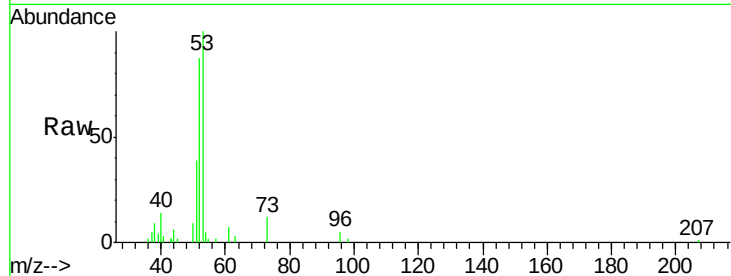
Tot Ion: 53 Resp: 37943

Ion Ratio Lower Upper

53 100

52 85.1 66.2 99.2

51 39.1 30.7 46.1



#16

Acetone

Concen: 108.020 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065826.D

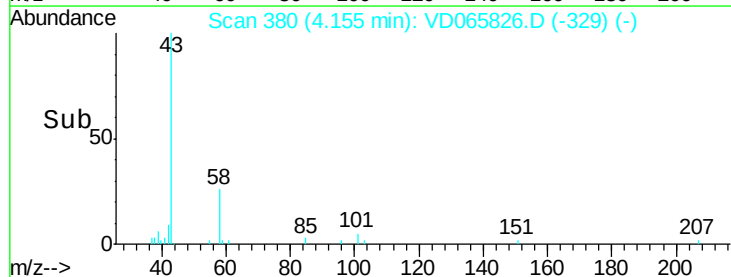
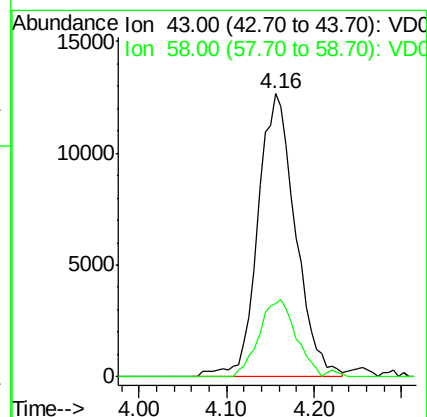
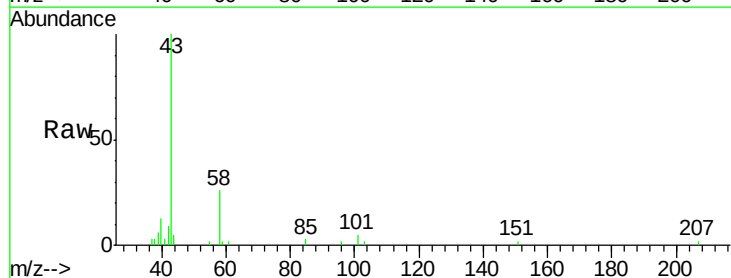
Acq: 19 Jun 2020 14:01

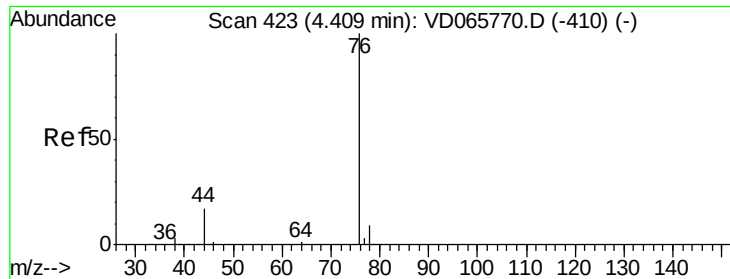
Tgt Ion: 43 Resp: 37419

Ion Ratio Lower Upper

43 100

58 26.2 22.3 33.5

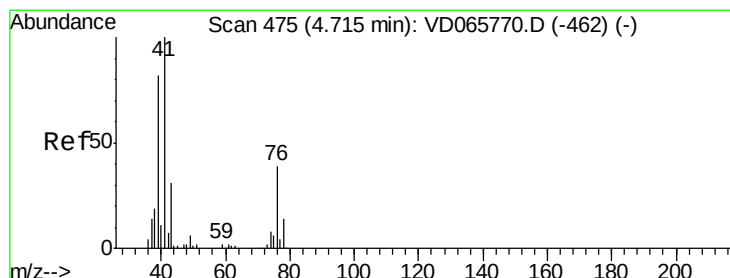
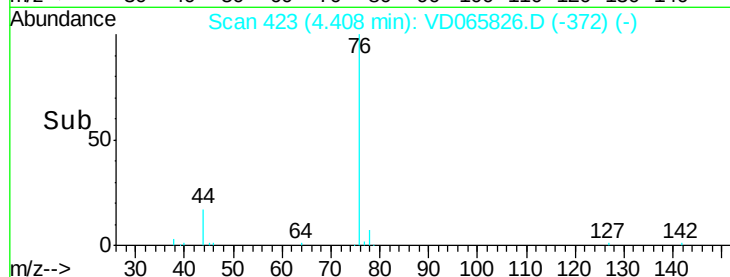
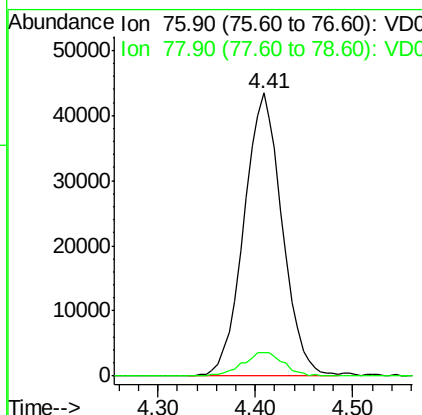
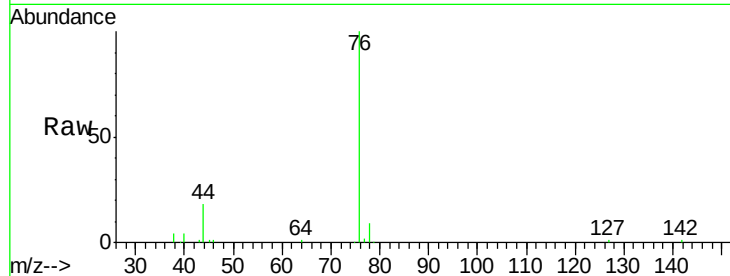




#17
Carbon Disulfide
Concen: 21.053 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

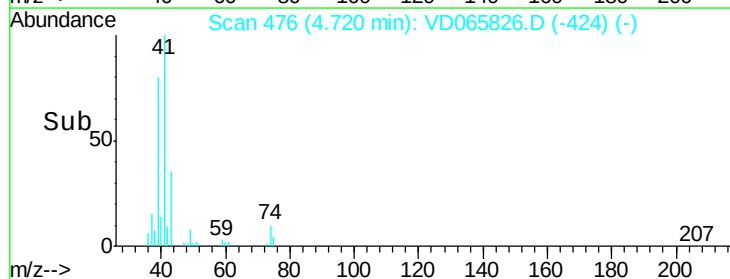
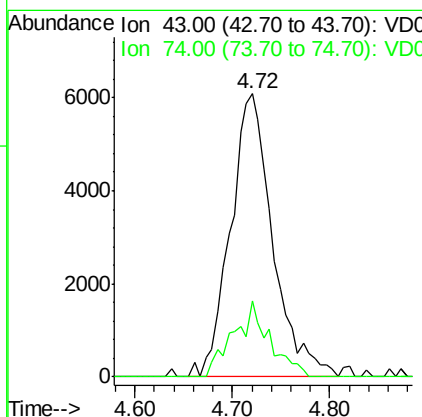
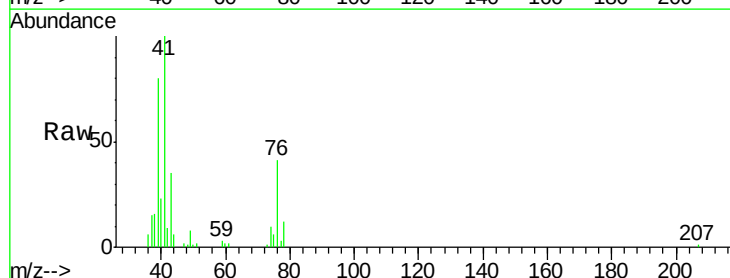
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

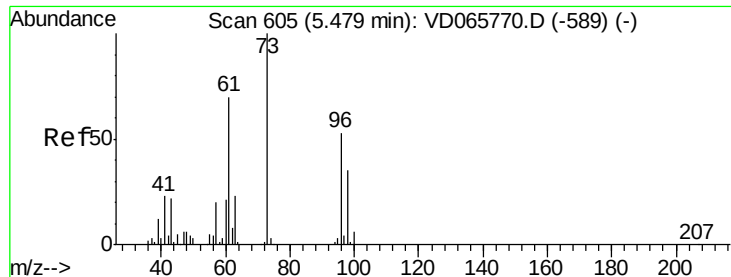
Tot Ion: 76 Resp: 119297
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 21.415 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 43 Resp: 18355
Ion Ratio Lower Upper
43 100
74 23.1 18.7 28.1

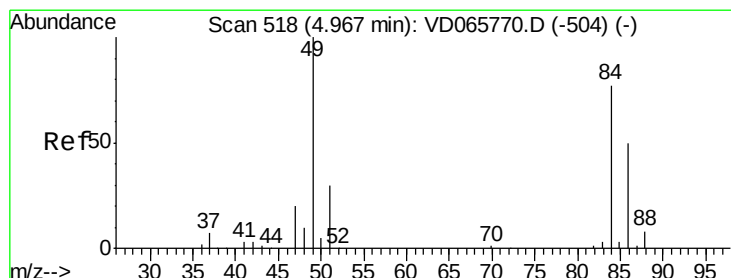
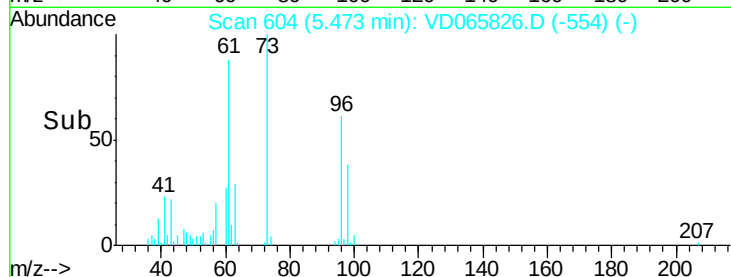
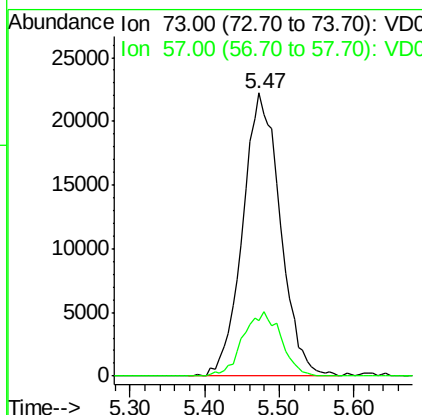
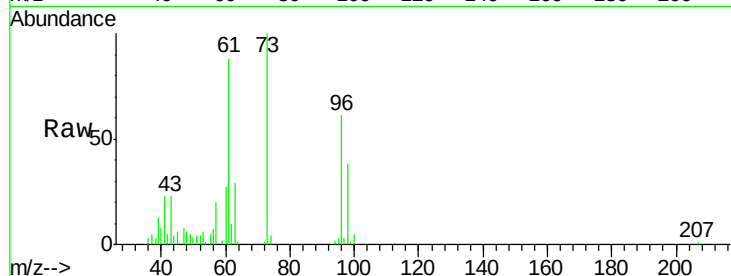




#19
Methyl tert-butyl Ether
Concen: 20.352 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

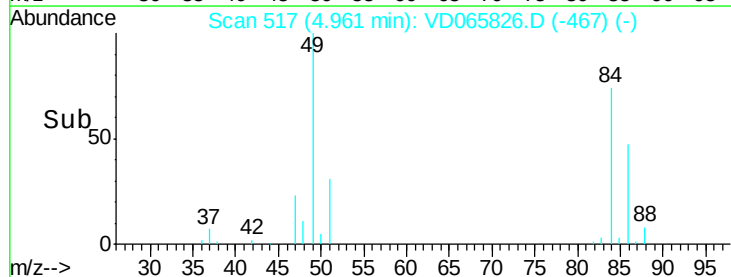
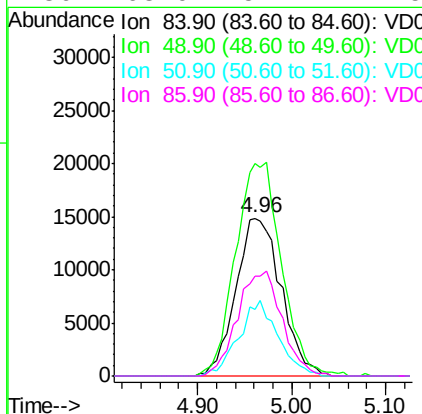
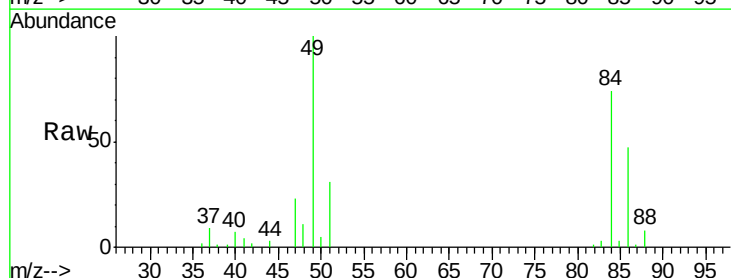
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

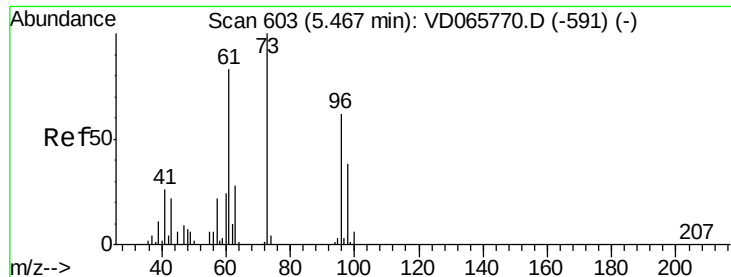
Tot Ion: 73 Resp: 77828
Ion Ratio Lower Upper
73 100
57 19.8 16.2 24.2



#20
Methylene Chloride
Concen: 24.667 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 84 Resp: 49526
Ion Ratio Lower Upper
84 100
49 134.6 103.4 155.0
51 42.2 31.4 47.2
86 63.0 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 21.531 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

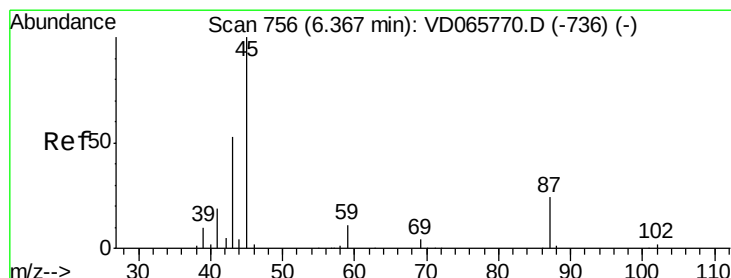
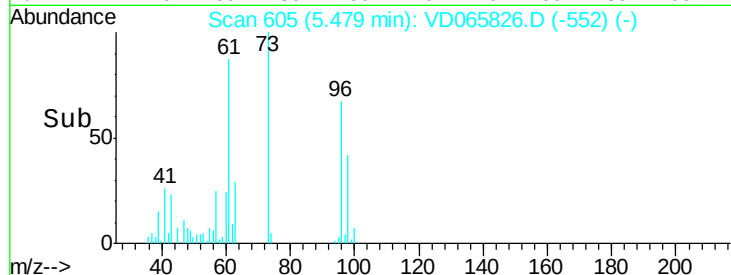
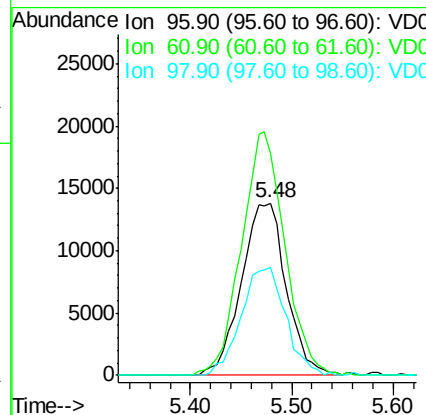
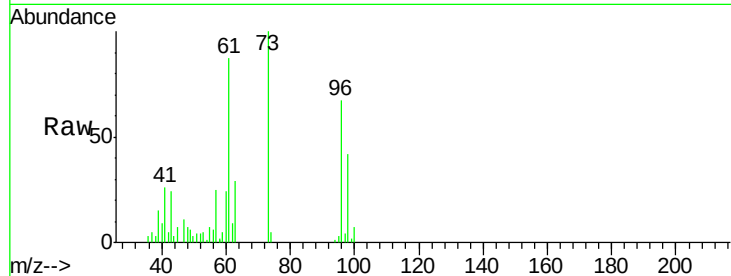
Tot Ion: 96 Resp: 42571

Ion Ratio Lower Upper

96 100

61 129.1 107.7 161.5

98 62.9 49.3 73.9



#22

Diisopropyl ether

Concen: 21.771 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Tgt Ion: 45 Resp: 122750

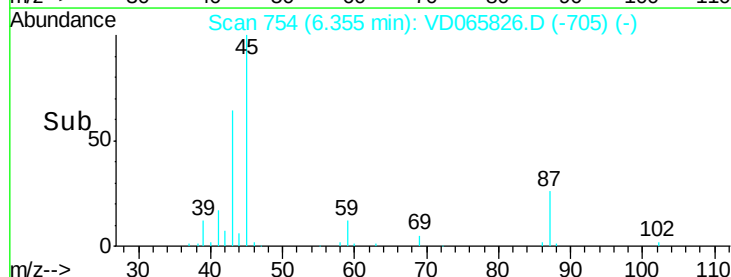
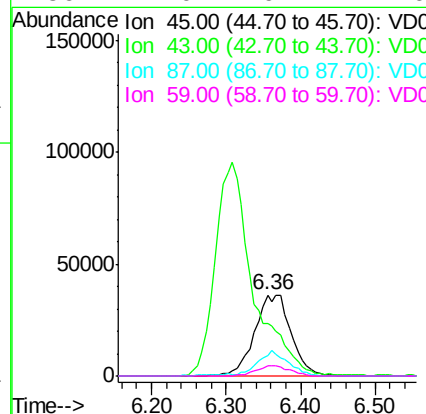
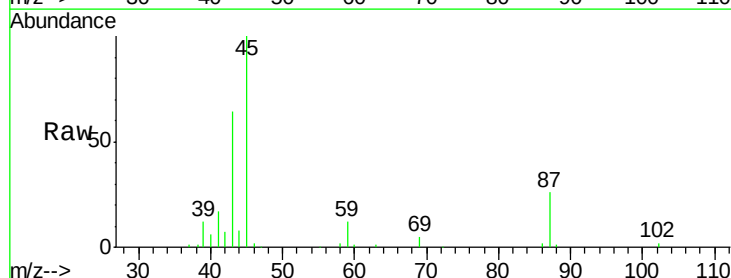
Ion Ratio Lower Upper

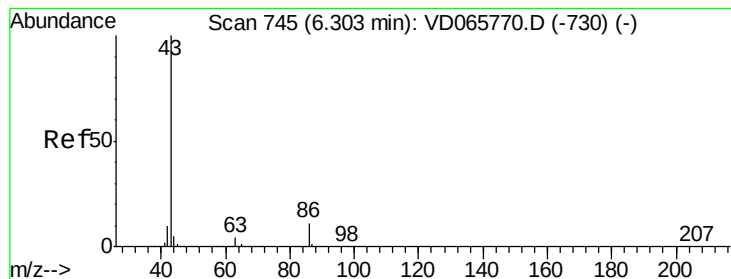
45 100

43 62.2 43.4 65.0

87 25.9 20.2 30.4

59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 105.623 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

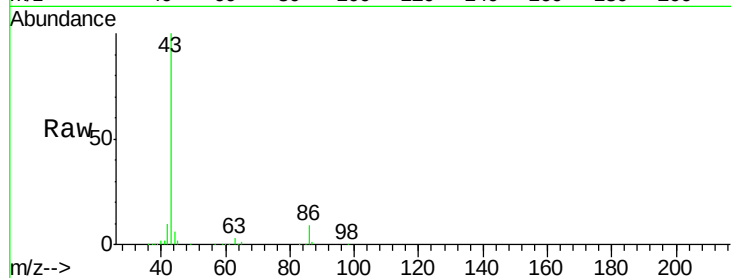
VD0619SBSD01

Tot Ion: 43 Resp: 336284

Ion Ratio Lower Upper

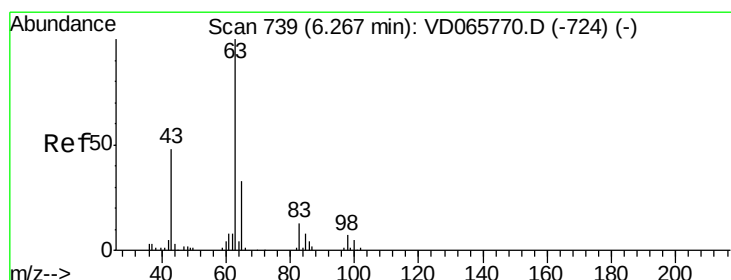
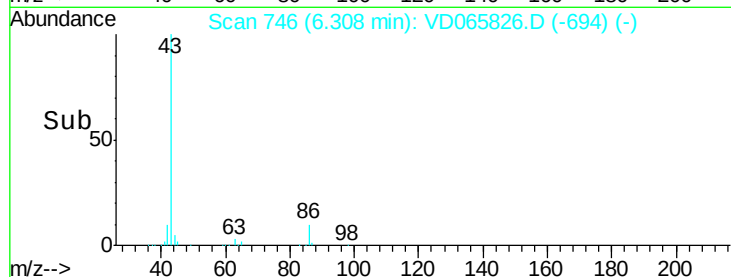
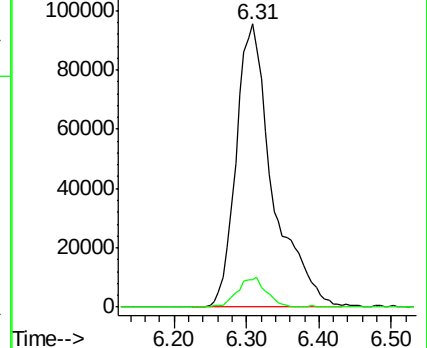
43 100

86 9.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.421 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

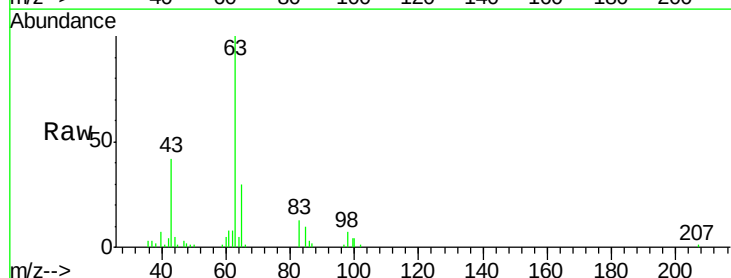
Tgt Ion: 63 Resp: 73590

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

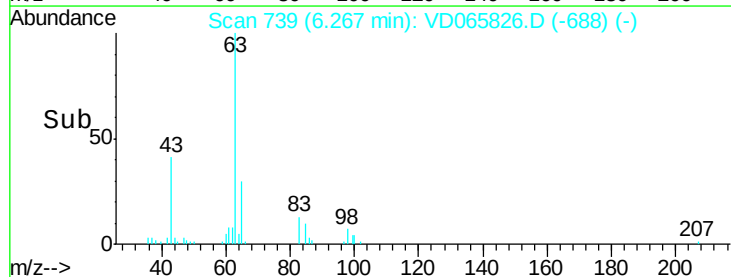
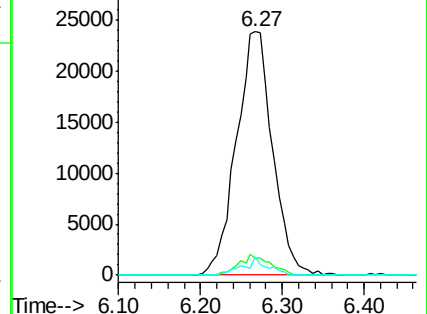
100 7.3 2.3 6.9#

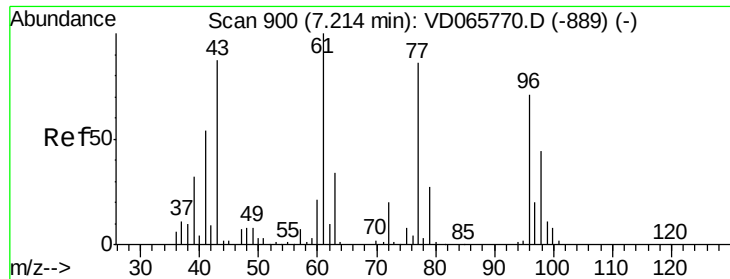


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 106.146 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

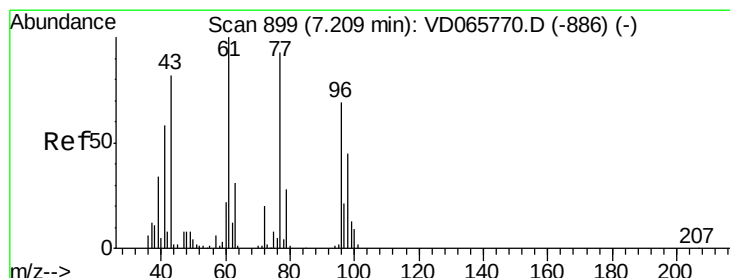
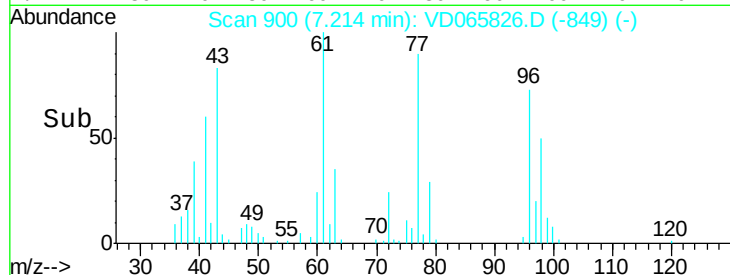
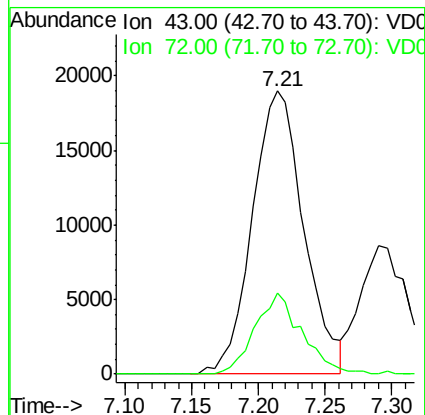
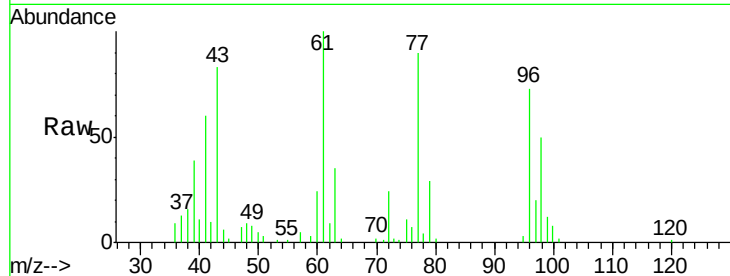
VD0619SBSD01

Tot Ion: 43 Resp: 50781

Ion Ratio Lower Upper

43 100

72 28.7 18.5 27.7#



#26

2,2-Dichloropropane

Concen: 21.193 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065826.D

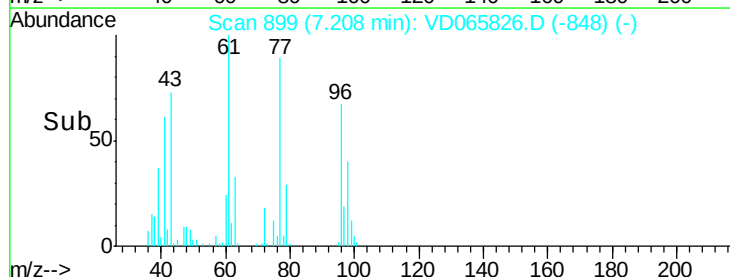
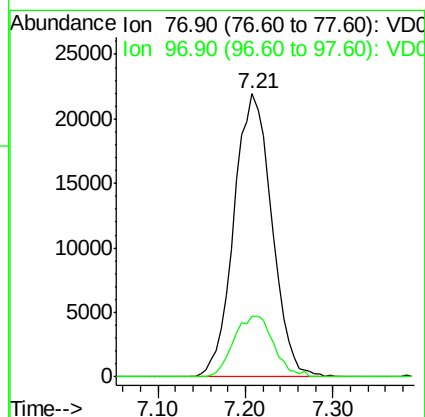
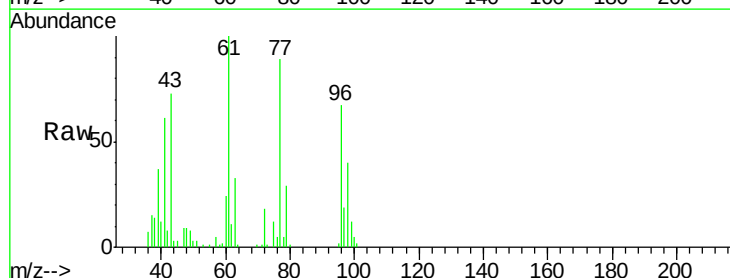
Acq: 19 Jun 2020 14:01

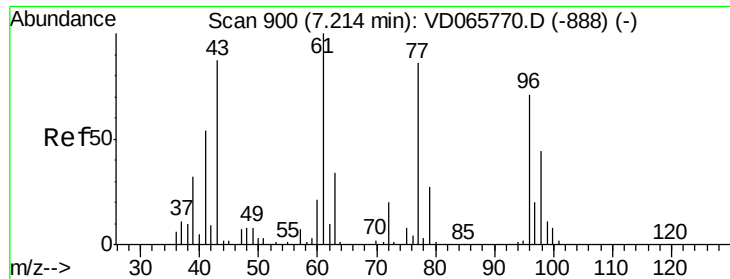
Tgt Ion: 77 Resp: 64556

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.7



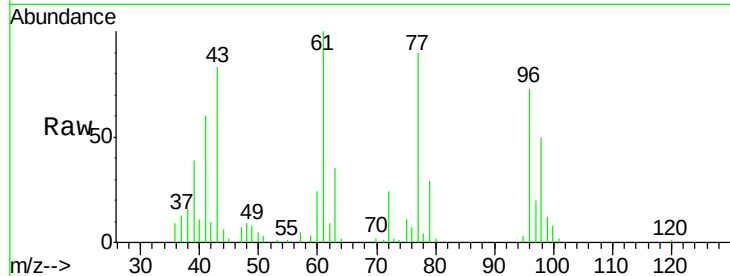


#27

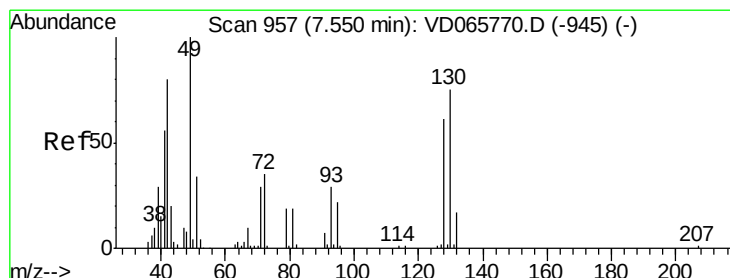
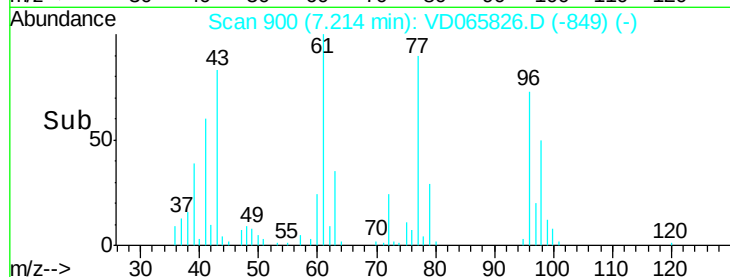
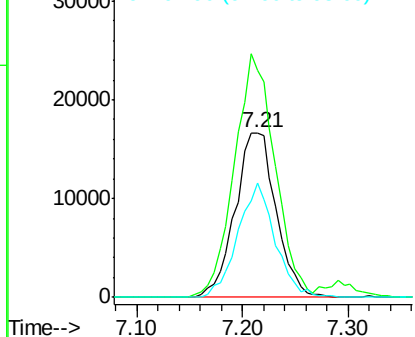
cis-1,2-Dichloroethene
Concen: 21.077 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

Tot Ion: 96 Resp: 44828
Ion Ratio Lower Upper
96 100
61 146.3 0.0 291.2
98 63.2 0.0 128.8



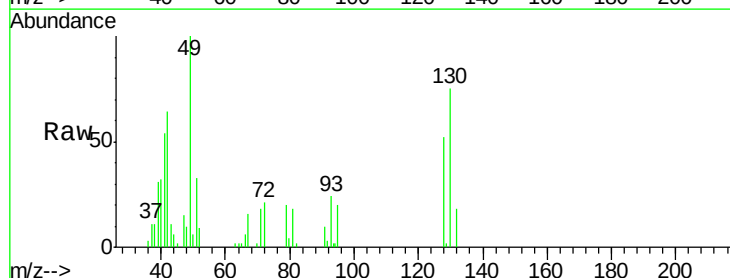
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



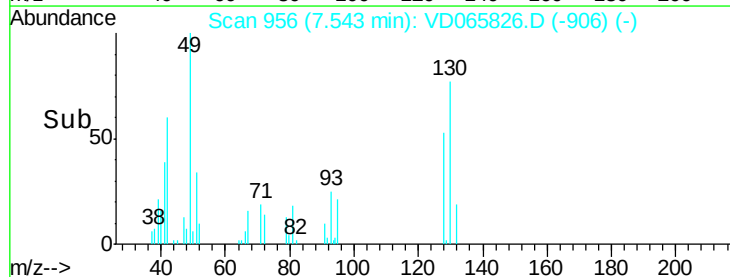
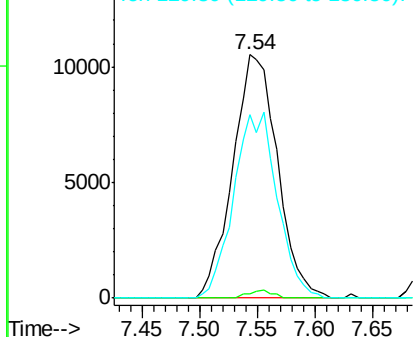
#28

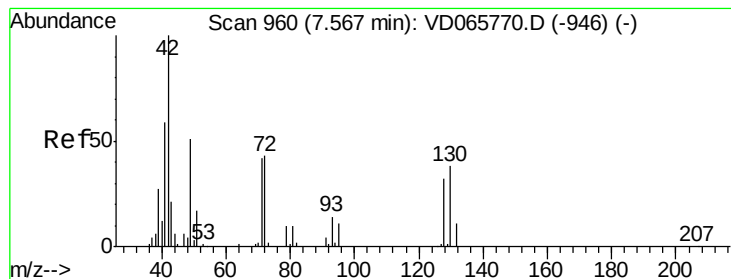
Bromochloromethane
Concen: 21.326 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 49 Resp: 28296
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.6
130 74.3 59.5 89.3



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 105.462 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

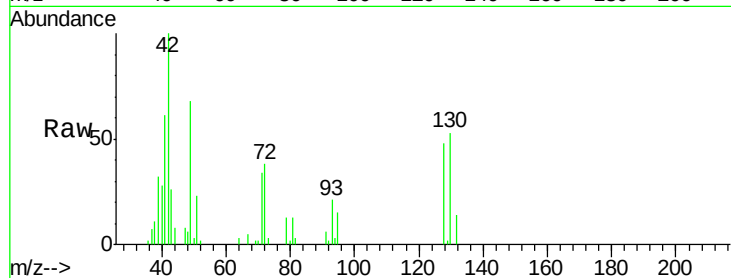
Tot Ion: 42 Resp: 31888

Ion Ratio Lower Upper

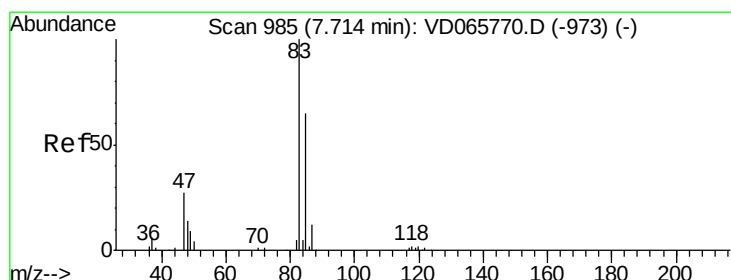
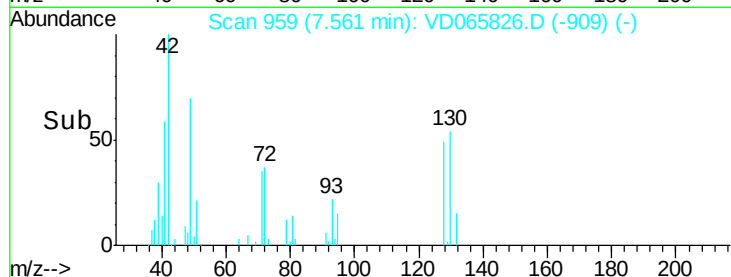
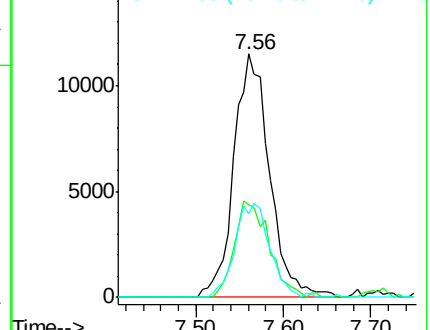
42 100

72 38.4 34.9 52.3

71 37.3 31.2 46.8



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: 21.247 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065826.D

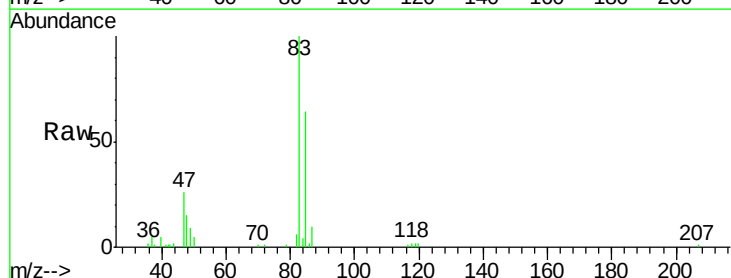
Acq: 19 Jun 2020 14:01

Tgt Ion: 83 Resp: 75657

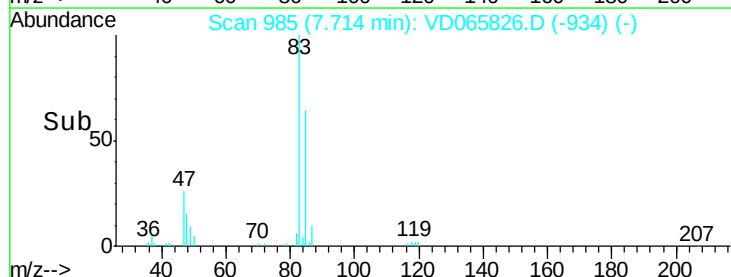
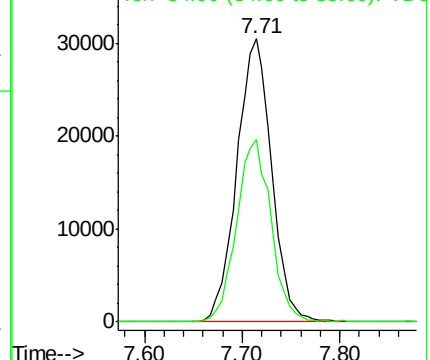
Ion Ratio Lower Upper

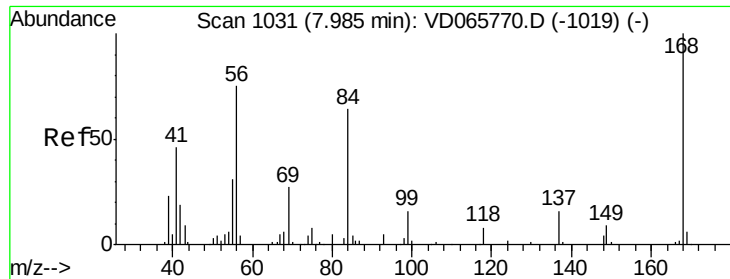
83 100

85 64.3 51.9 77.9



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

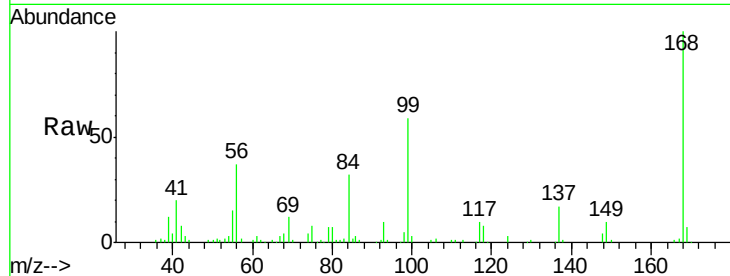




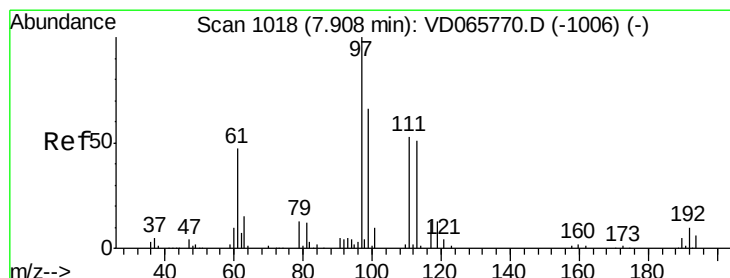
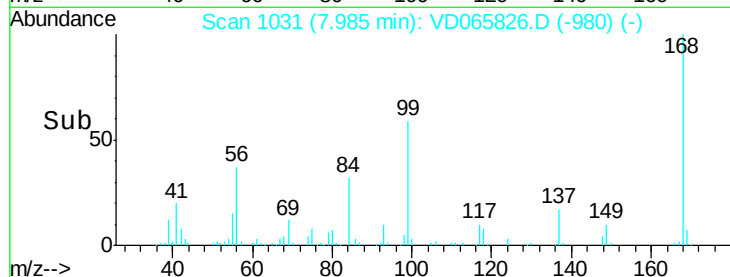
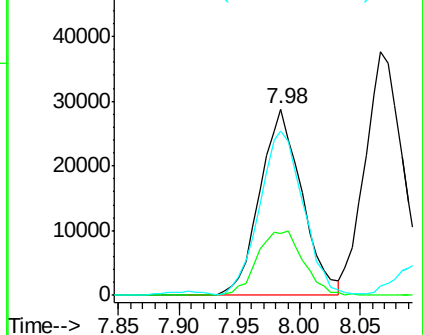
#31
Cyclohexane
Concen: 21.199 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

Tot Ion: 56 Resp: 69816
Ion Ratio Lower Upper
56 100
69 33.5 28.5 42.7
84 86.4 68.4 102.6

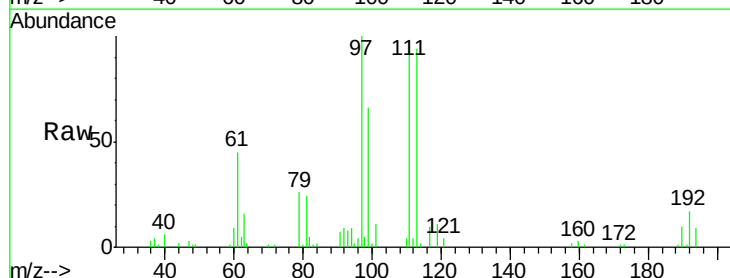


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

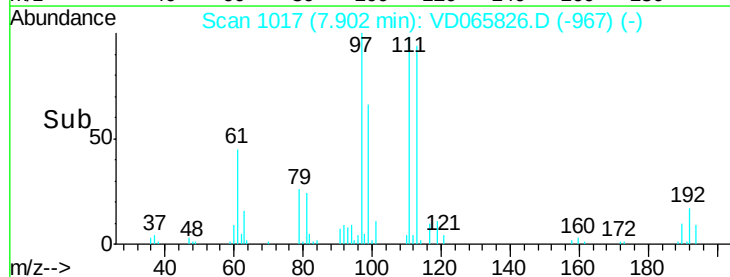
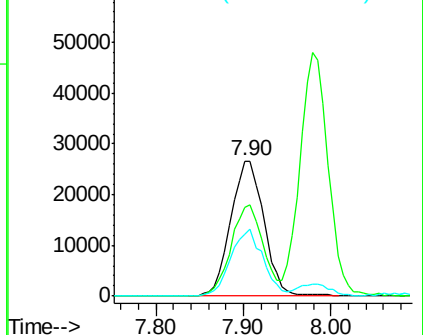


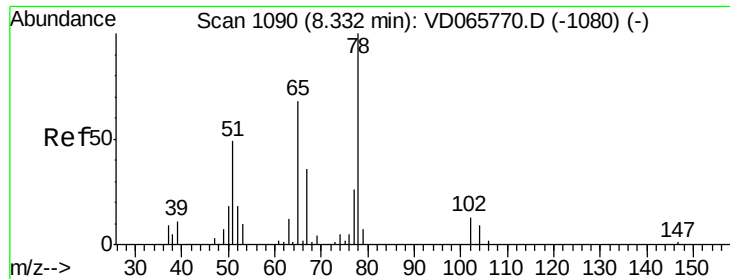
#32
1,1,1-Trichloroethane
Concen: 20.996 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 97 Resp: 68744
Ion Ratio Lower Upper
97 100
99 64.4 49.2 73.8
61 47.9 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

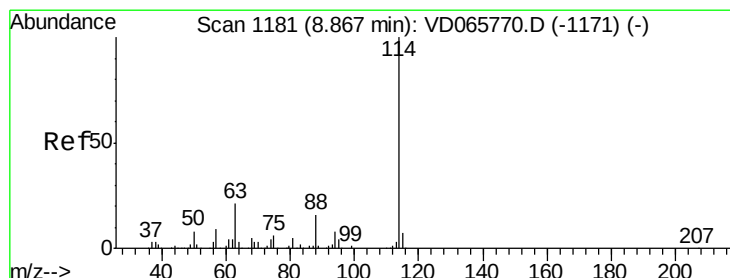
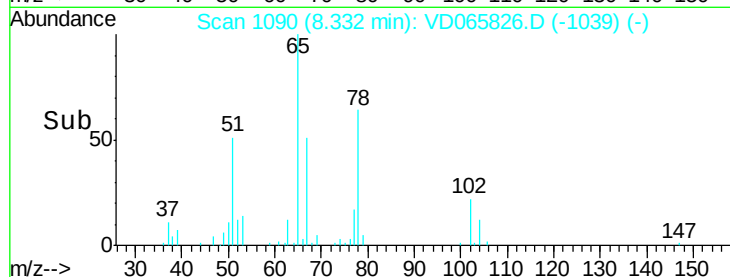
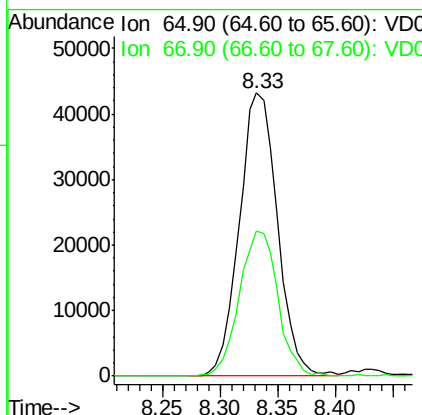
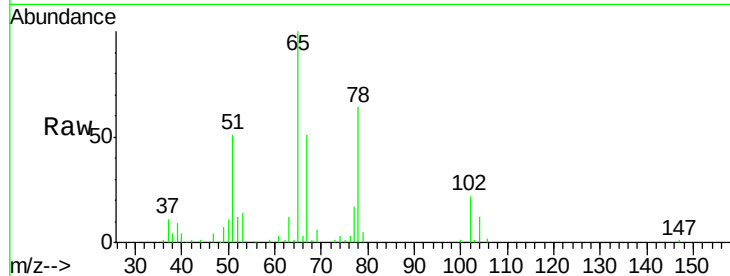




#33
 1,2-Dichloroethane-d4
 Concen: 54.142 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

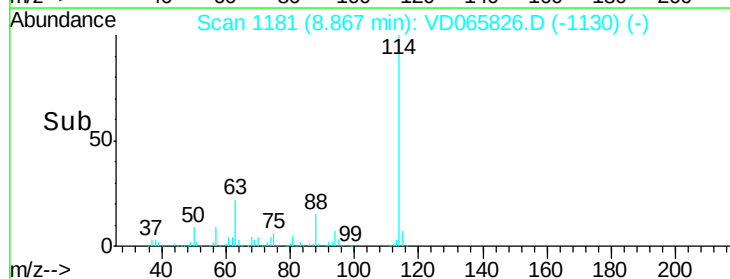
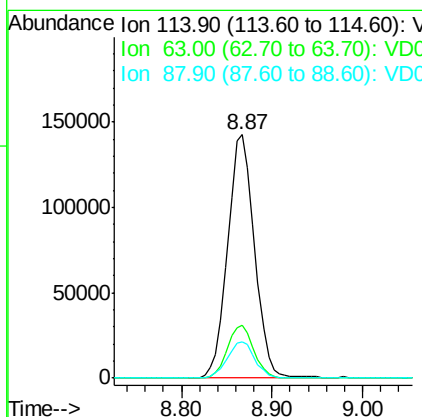
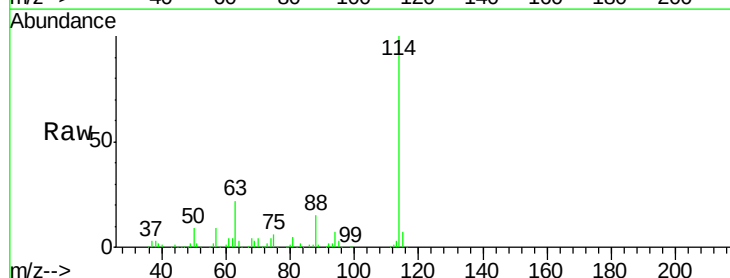
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBSD01

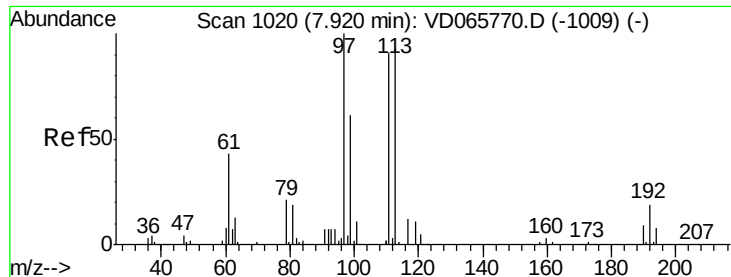
Tot Ion: 65 Resp: 99428
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 114 Resp: 294165
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.8
 88 14.8 0.0 32.0

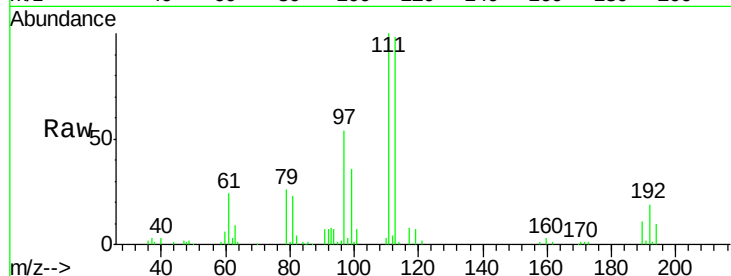




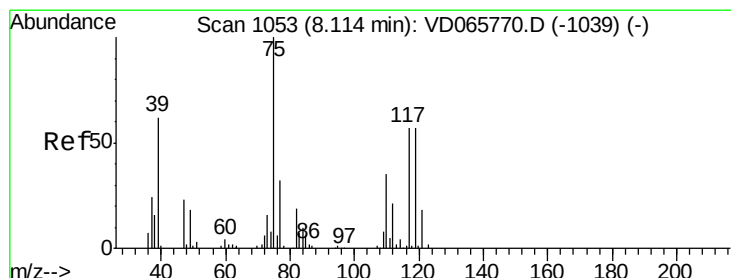
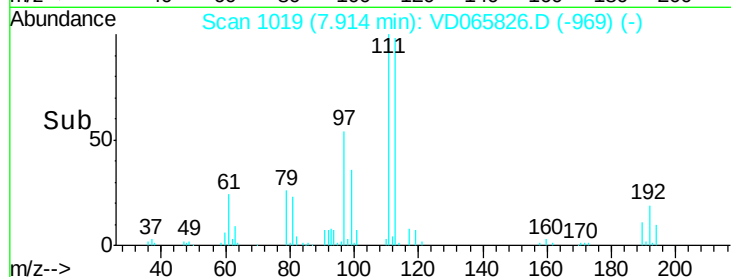
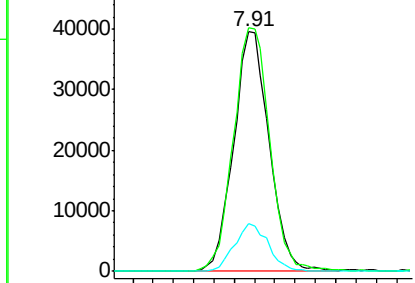
#35
 Dibromofluoromethane
 Concen: 51.758 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBSD01

Tot Ion:113 Resp: 96172
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.0
 192 18.9 15.7 23.5

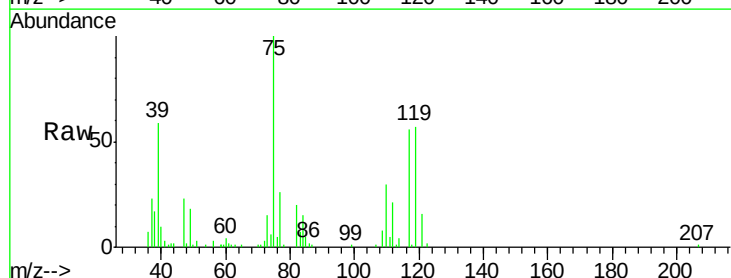


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

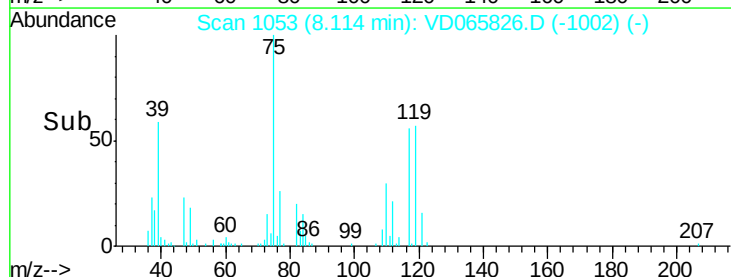
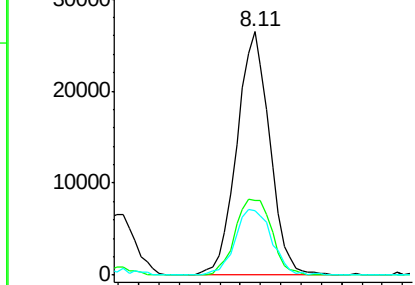


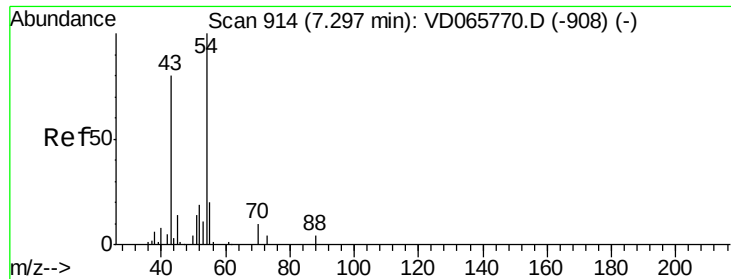
#36
 1,1-Dichloropropene
 Concen: 21.174 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 75 Resp: 59666
 Ion Ratio Lower Upper
 75 100
 110 34.7 17.6 52.8
 77 29.8 25.1 37.7



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

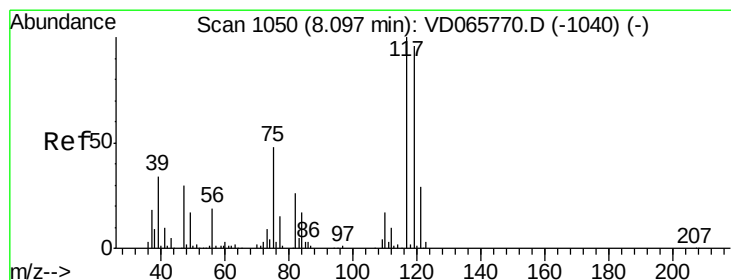
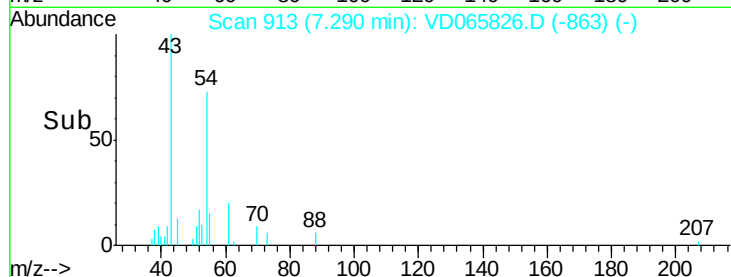
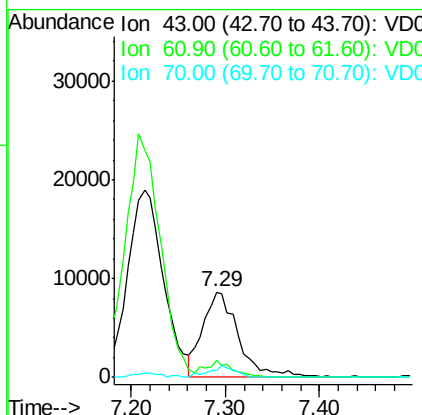
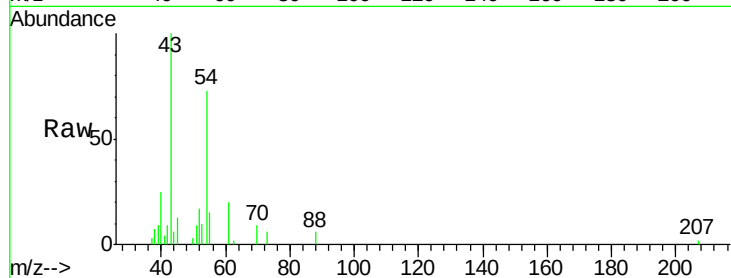




#37
Ethyl Acetate
Concen: 20.789 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

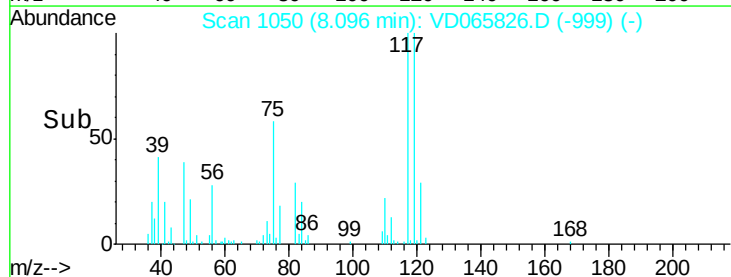
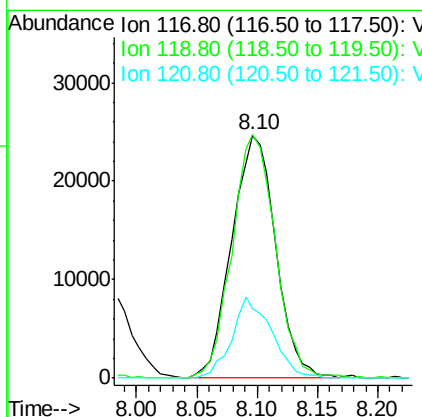
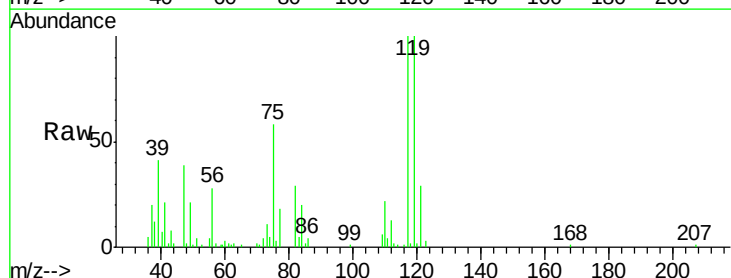
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBS01

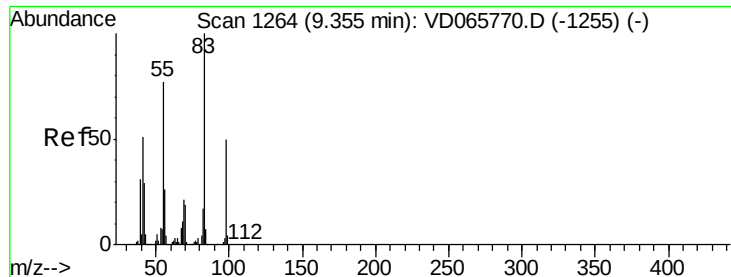
Tot Ion: 43 Resp: 23074
Ion Ratio Lower Upper
43 100
61 14.7 10.6 15.8
70 9.5 7.5 11.3



#38
Carbon Tetrachloride
Concen: 21.075 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 117 Resp: 62500
Ion Ratio Lower Upper
117 100
119 100.5 76.8 115.2
121 28.7 23.4 35.2

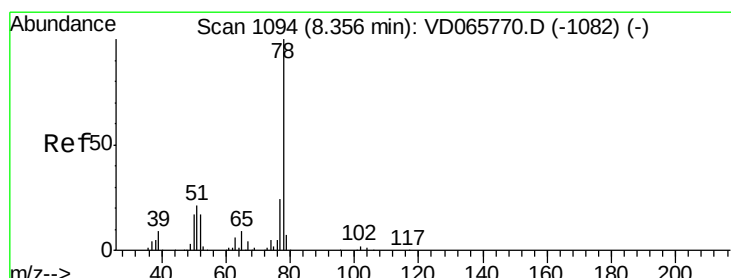
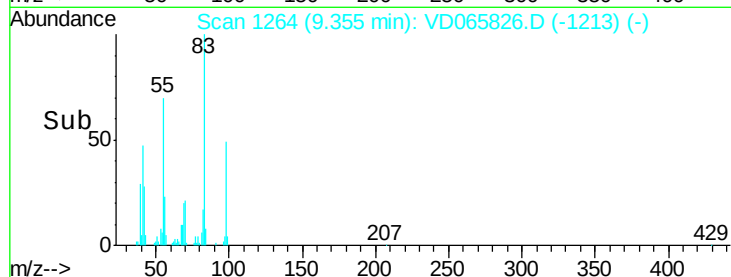
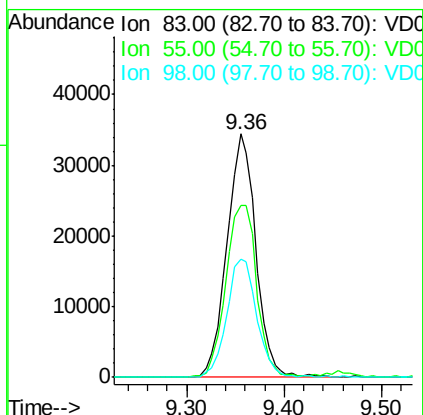
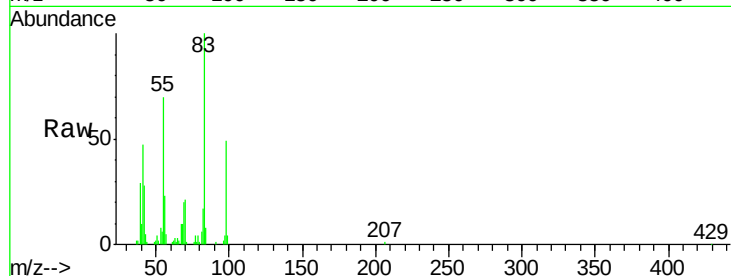




#39
Methylvlcyclohexane
Concen: 21.191 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

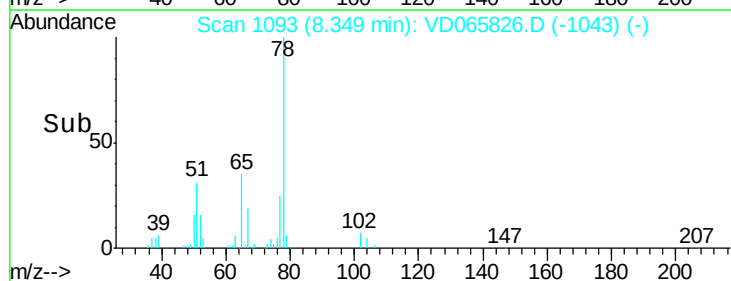
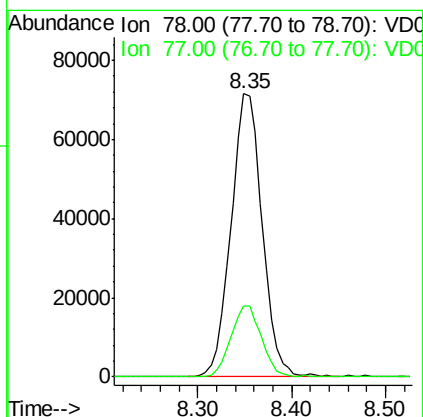
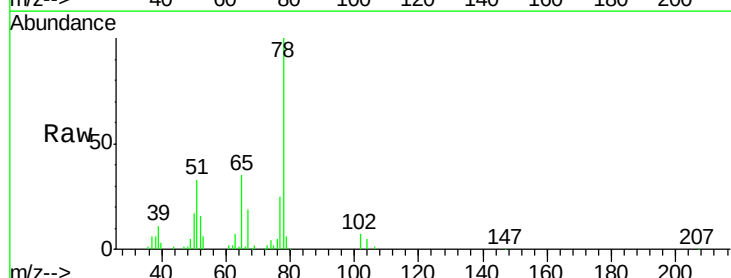
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

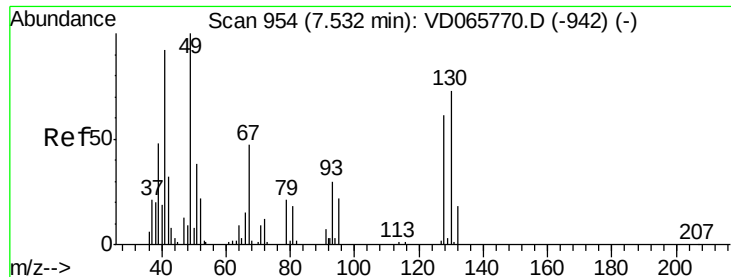
Tot Ion: 83 Resp: 70700
Ion Ratio Lower Upper
83 100
55 70.5 61.6 92.4
98 48.7 40.2 60.2



#40
Benzene
Concen: 21.370 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 78 Resp: 164622
Ion Ratio Lower Upper
78 100
77 25.2 19.2 28.8





#41

Methacrylonitrile

Concen: 19.620 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

Tot Ion: 41 Resp: 12967

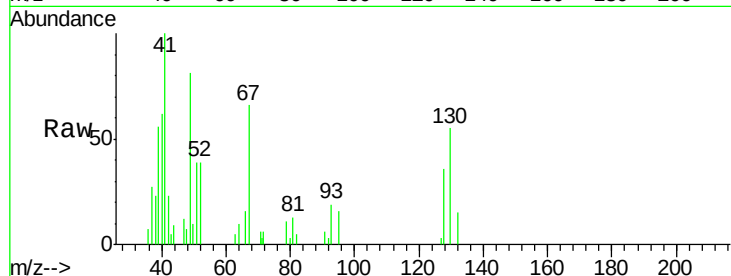
Ion Ratio Lower Upper

41 100

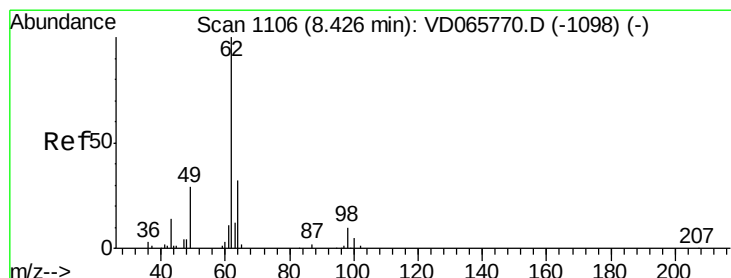
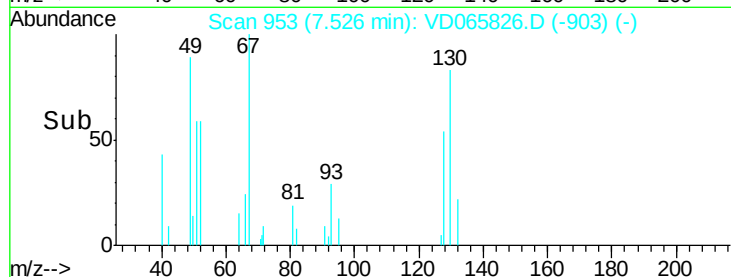
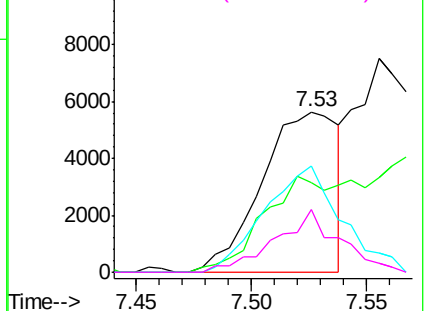
39 48.1 38.3 57.5

67 67.8 49.8 74.6

52 32.5 21.7 32.5



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



#42

1,2-Dichloroethane

Concen: 20.537 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065826.D

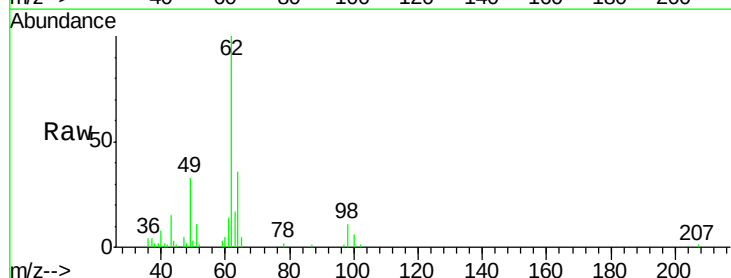
Acq: 19 Jun 2020 14:01

Tgt Ion: 62 Resp: 47735

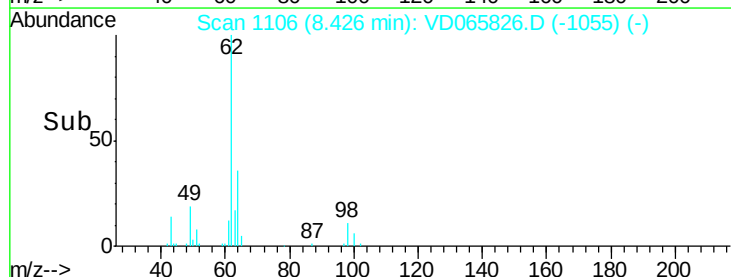
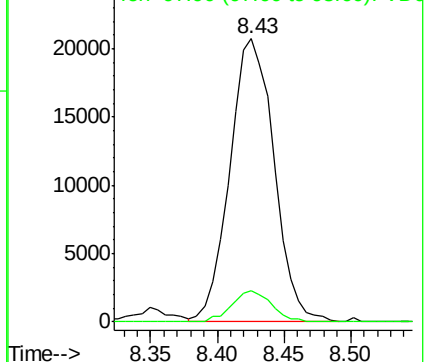
Ion Ratio Lower Upper

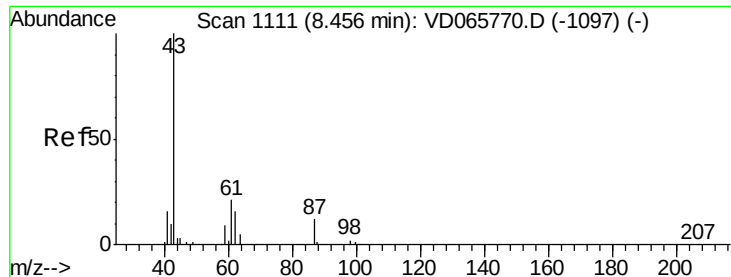
62 100

98 9.8 0.0 18.6



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





#43

Isopropyl Acetate

Concen: 19.732 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBS01

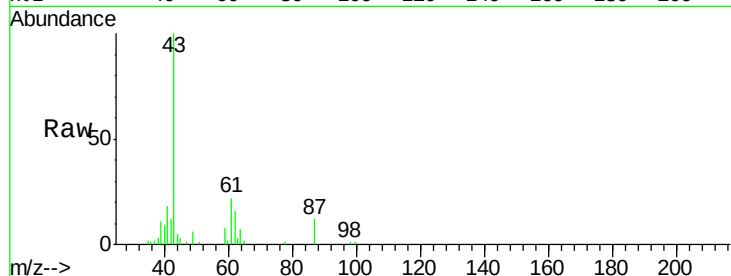
Tot Ion: 43 Resp: 43551

Ion Ratio Lower Upper

43 100

61 31.1 24.2 36.4

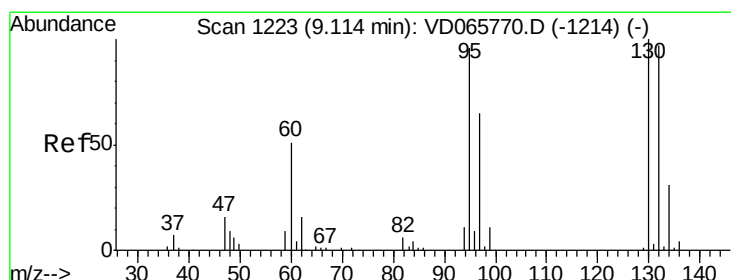
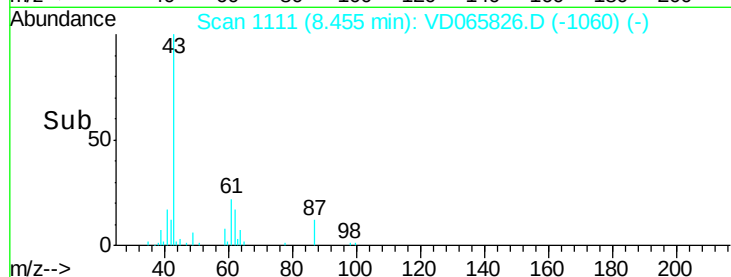
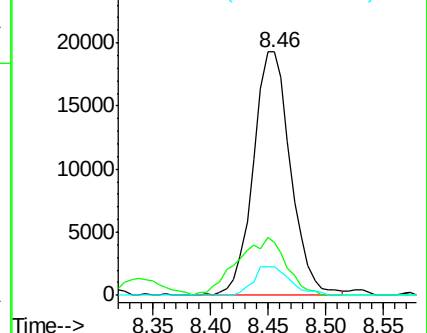
87 11.6 9.5 14.3



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: 20.601 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065826.D

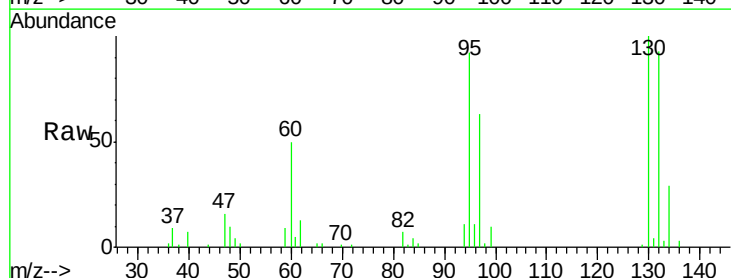
Acq: 19 Jun 2020 14:01

Tgt Ion: 130 Resp: 44164

Ion Ratio Lower Upper

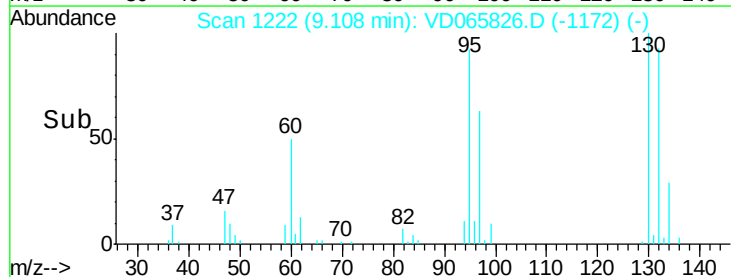
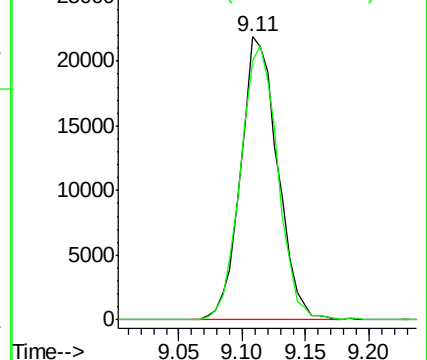
130 100

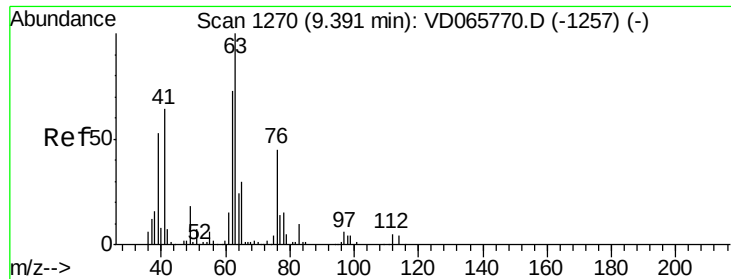
95 91.7 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

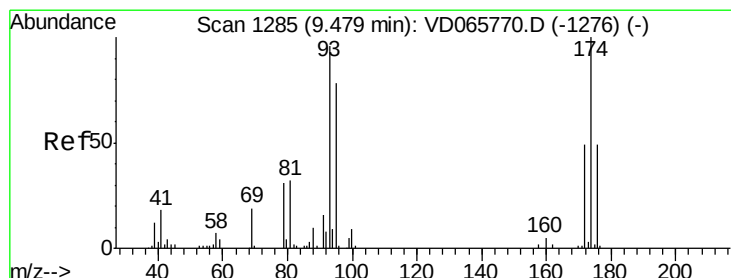
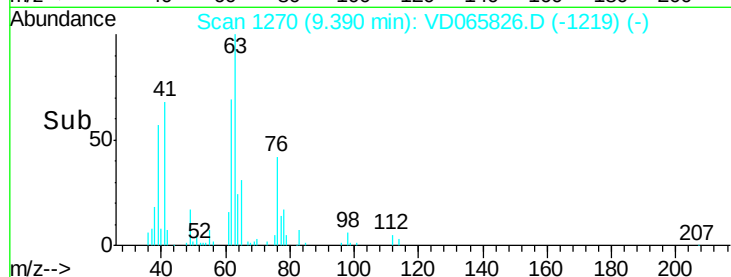
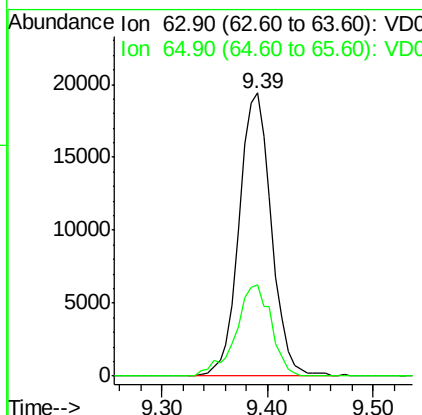
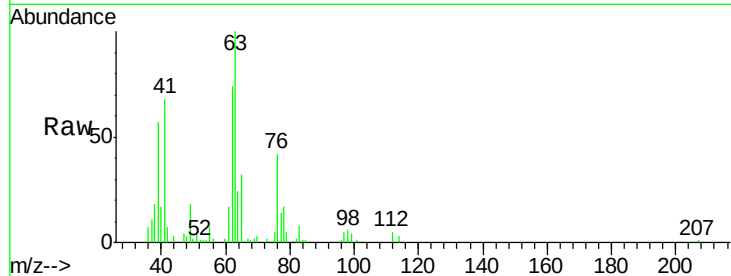




#45
 1,2-Dichloropropane
 Concen: 21.231 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

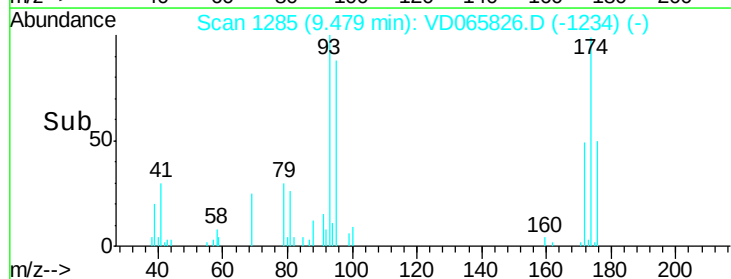
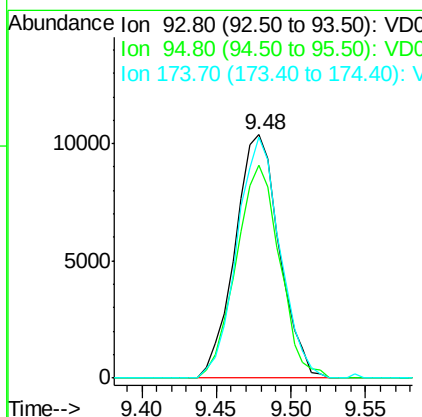
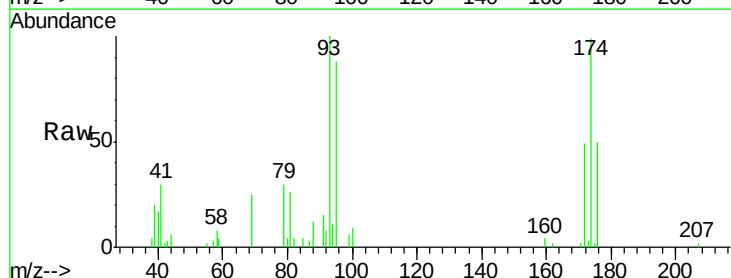
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBSD01

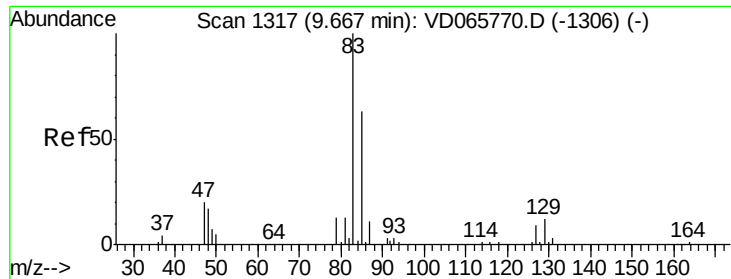
Tot Ion: 63 Resp: 41095
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.2 36.2



#46
 Dibromomethane
 Concen: 20.417 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 93 Resp: 21434
 Ion Ratio Lower Upper
 93 100
 95 85.8 65.8 98.6
 174 95.6 80.9 121.3





#47

Bromodichloromethane

Concen: 20.332 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

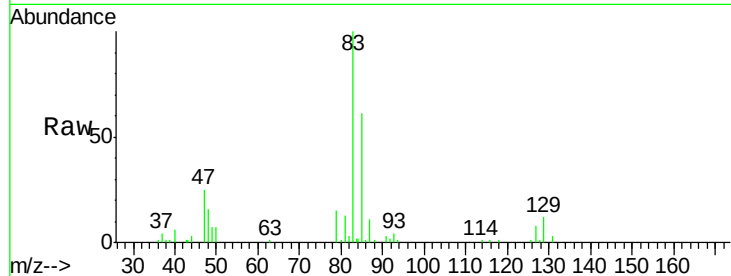
Tot Ion: 83 Resp: 57196

Ion Ratio Lower Upper

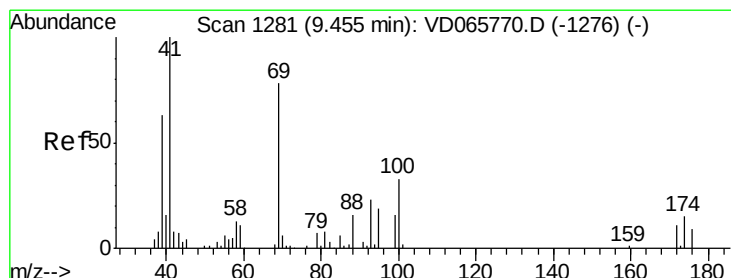
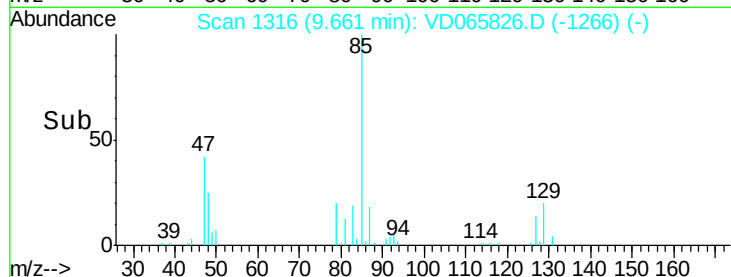
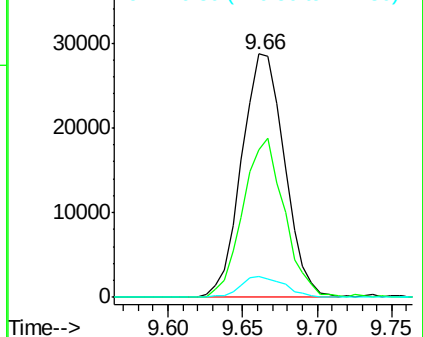
83 100

85 60.7 50.7 76.1

127 8.4 7.1 10.7



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: 18.318 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

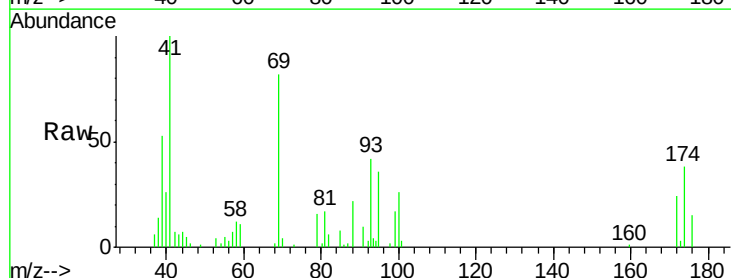
Tgt Ion: 41 Resp: 19570

Ion Ratio Lower Upper

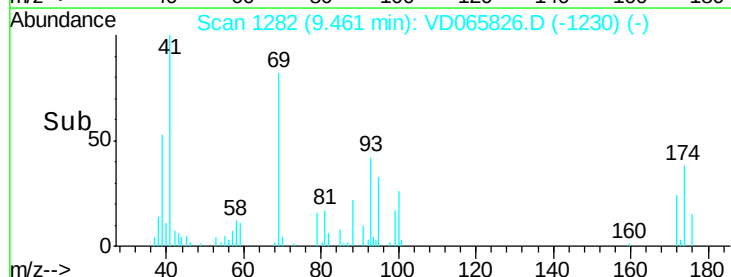
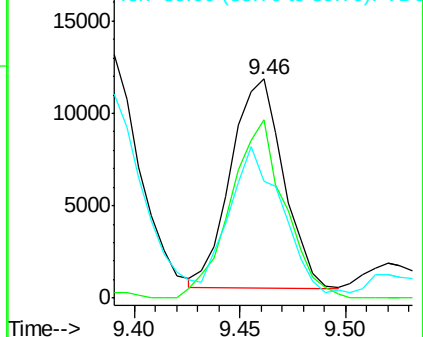
41 100

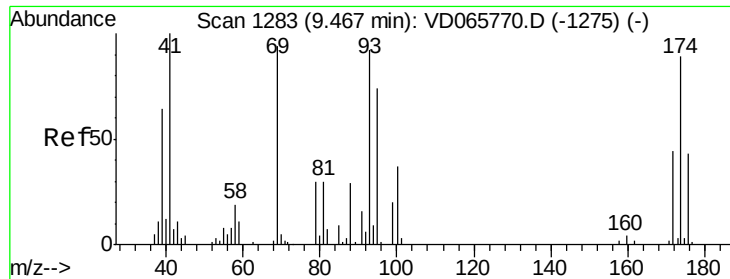
69 87.9 60.9 91.3

39 68.1 48.1 72.1



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

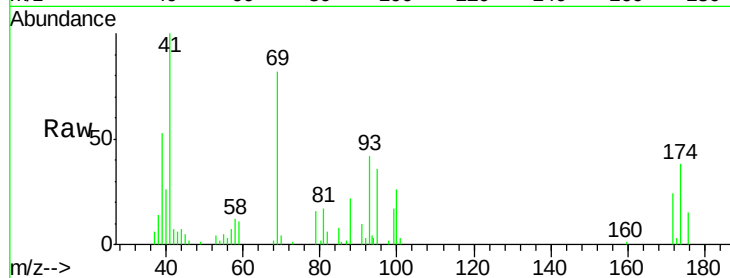




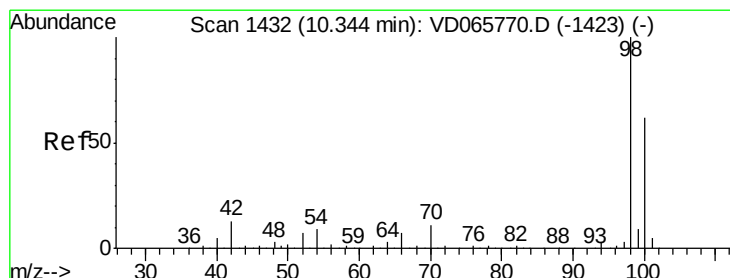
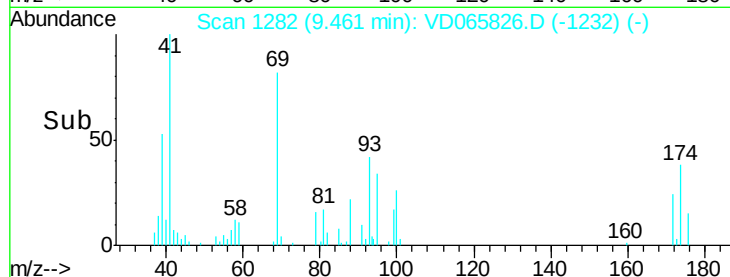
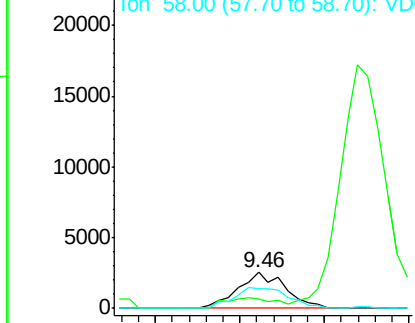
#49
1,4-Dioxane
Concen: 443.893 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

Tot Ion: 88 Resp: 4960
Ion Ratio Lower Upper
88 100
43 32.9 32.2 48.4
58 65.8 54.9 82.3

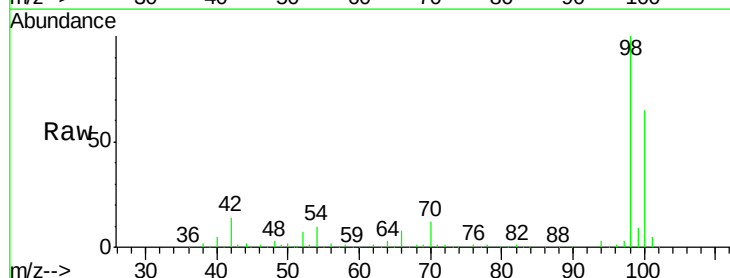


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

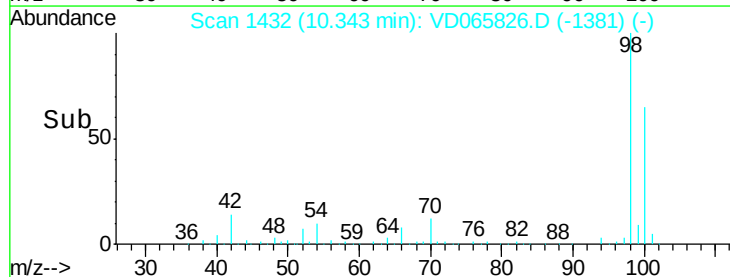
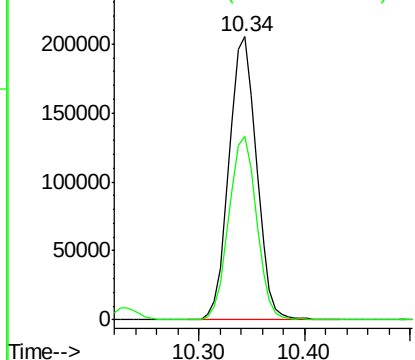


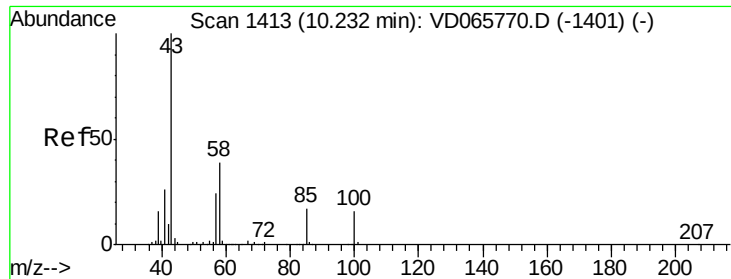
#50
Toluene-d8
Concen: 53.522 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 98 Resp: 370841
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 100.460 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

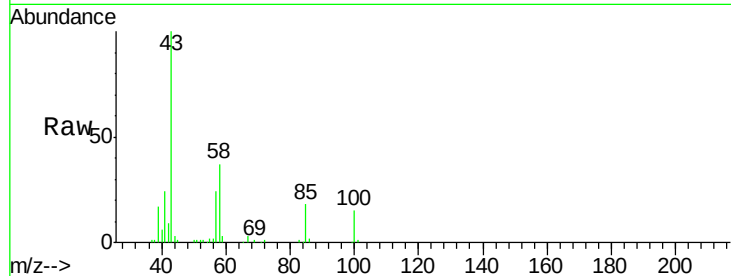
VD0619SBSD01

Tot Ion: 43 Resp: 108649

Ion Ratio Lower Upper

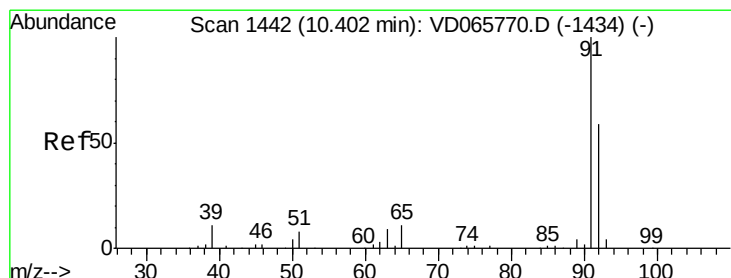
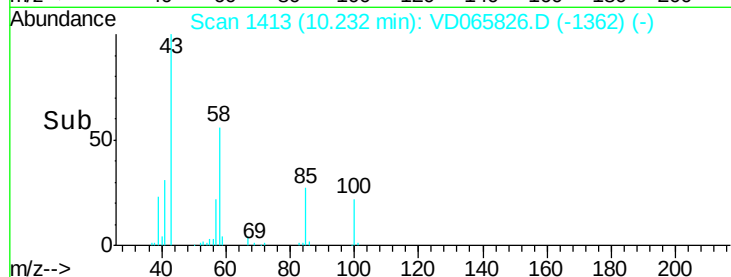
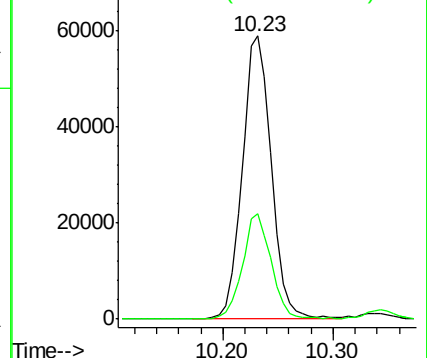
43 100

58 36.5 30.7 46.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.194 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD065826.D

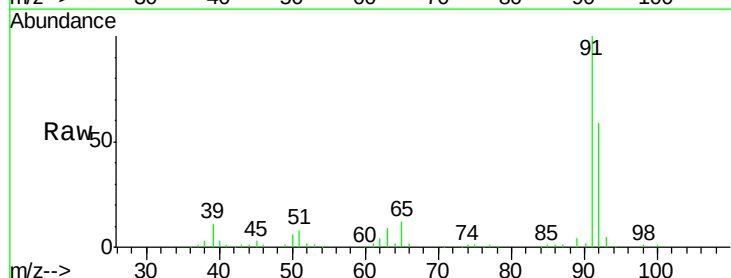
Acq: 19 Jun 2020 14:01

Tgt Ion: 92 Resp: 106086

Ion Ratio Lower Upper

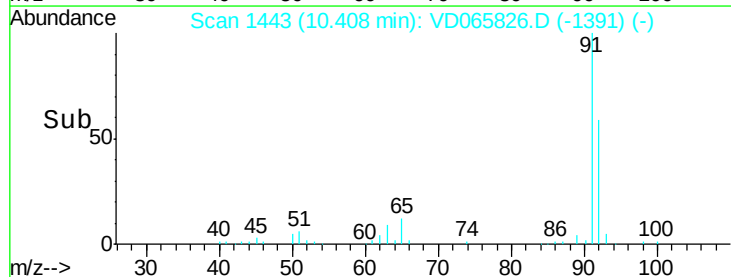
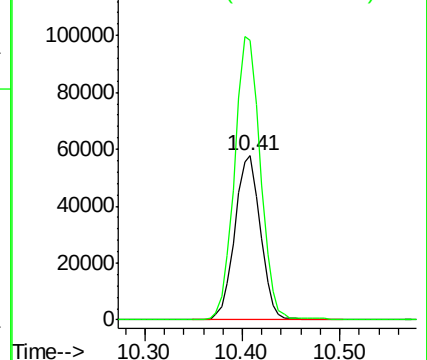
92 100

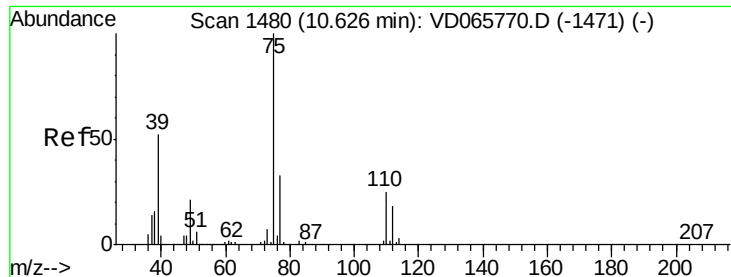
91 172.9 137.8 206.8



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: 20.714 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

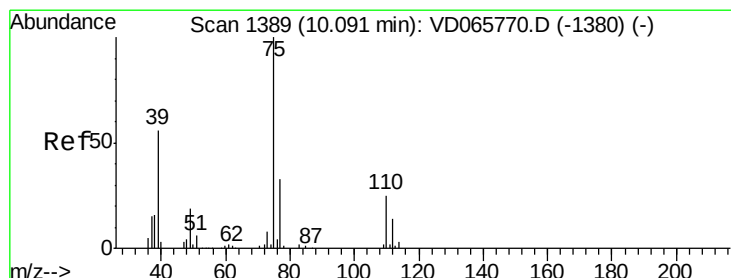
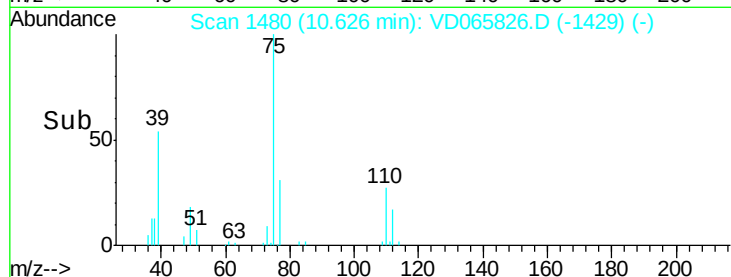
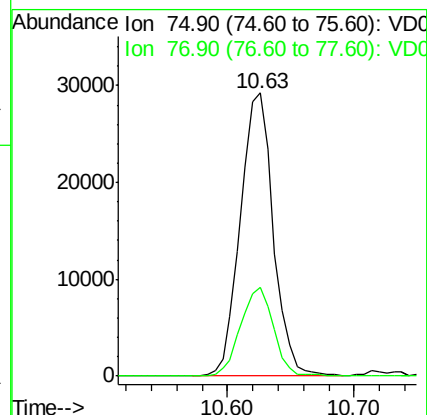
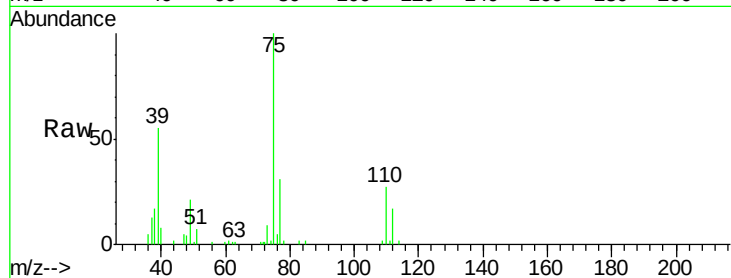
VD0619SBS01

Tot Ion: 75 Resp: 52768

Ion Ratio Lower Upper

75 100

77 31.4 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 21.048 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

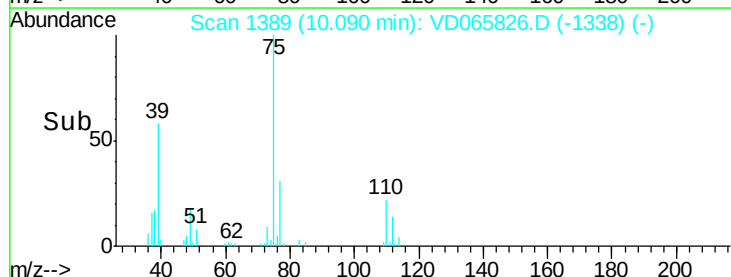
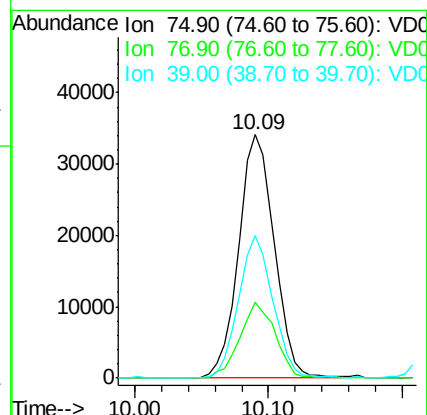
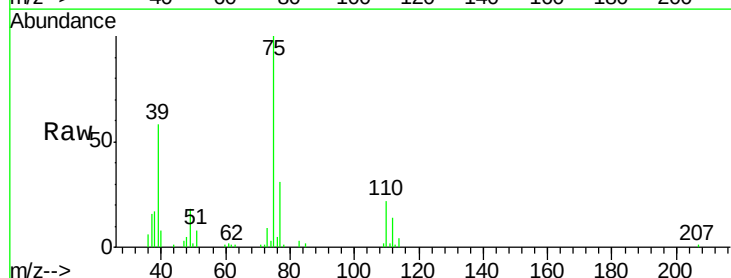
Tgt Ion: 75 Resp: 63325

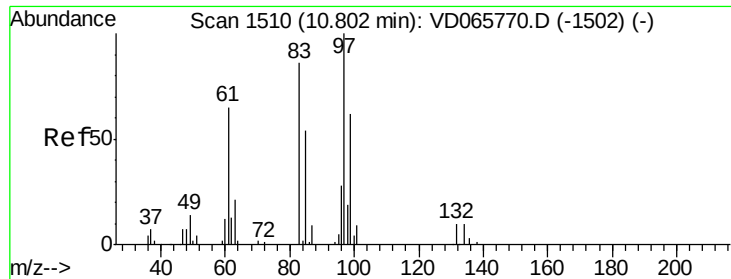
Ion Ratio Lower Upper

75 100

77 31.4 26.0 39.0

39 58.4 45.0 67.6

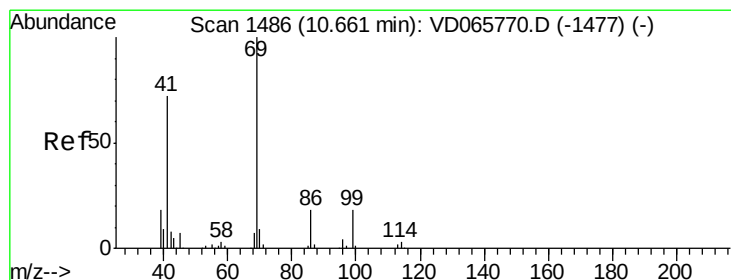
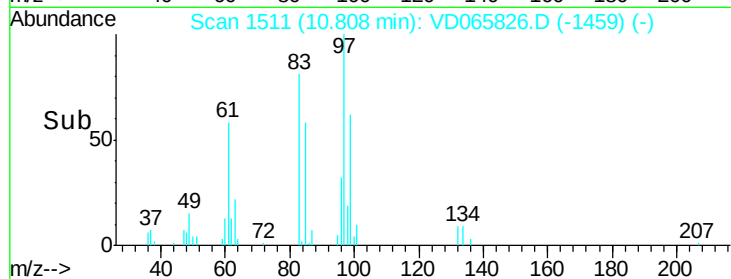
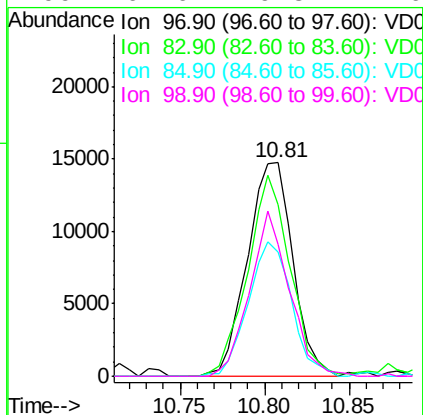
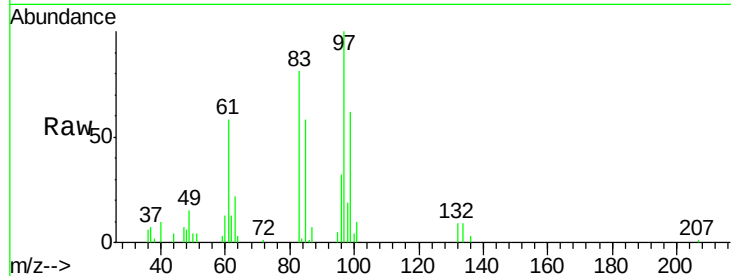




#55
 1,1,2-Trichloroethane
 Concen: 19.683 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

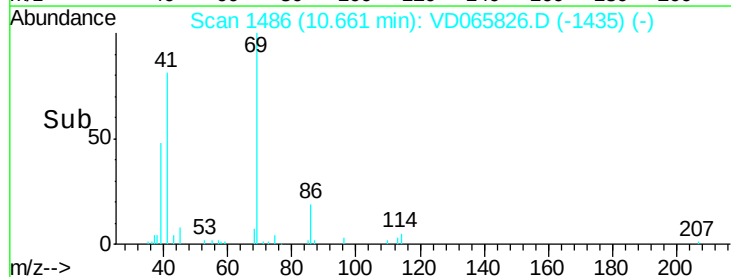
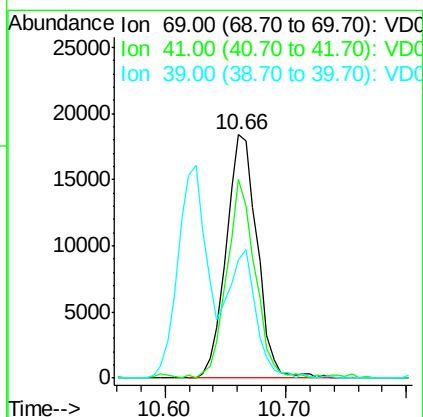
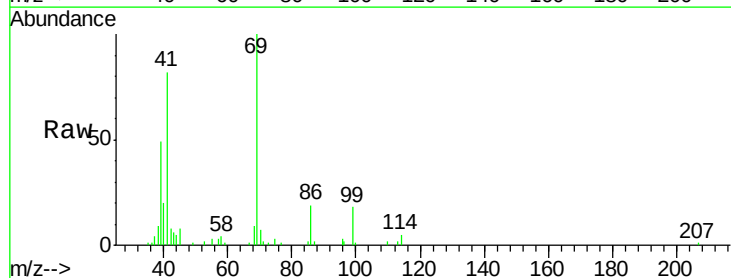
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBSD01

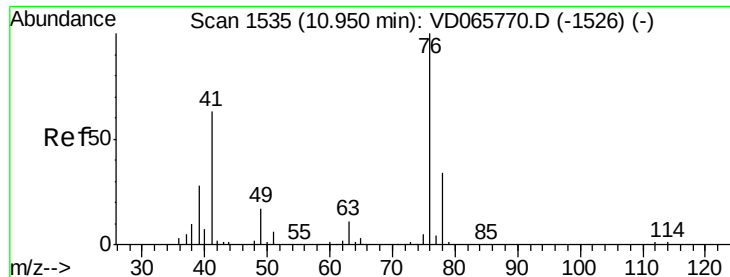
Tot Ion:	97	Resp:	27610
Ion	Ratio	Lower	Upper
97	100		
83	80.6	68.7	103.1
85	58.1	43.0	64.6
99	61.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 19.878 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Tgt Ion:	69	Resp:	32796
Ion	Ratio	Lower	Upper
69	100		
41	74.6	56.9	85.3
39	48.3	36.0	54.0

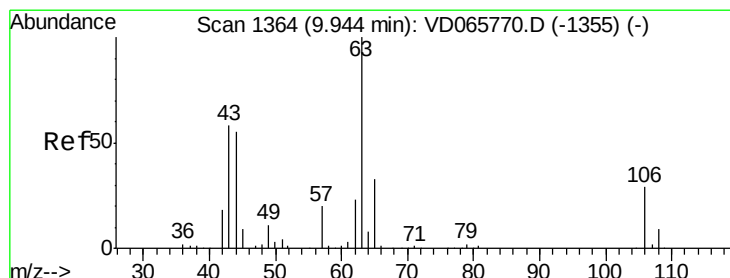
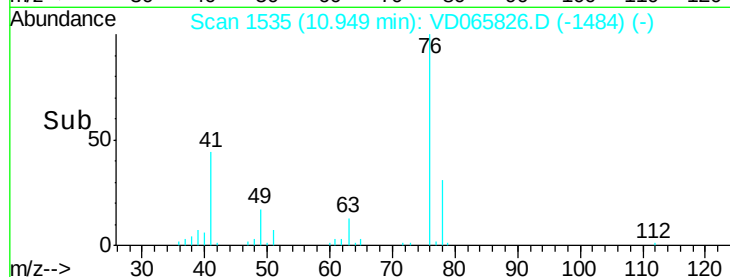
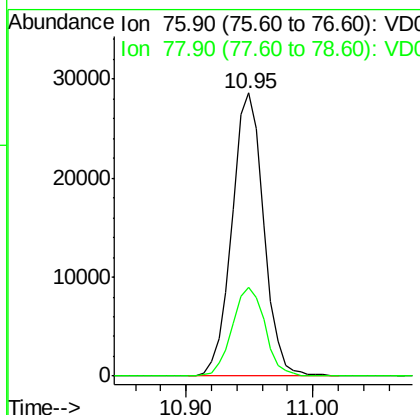
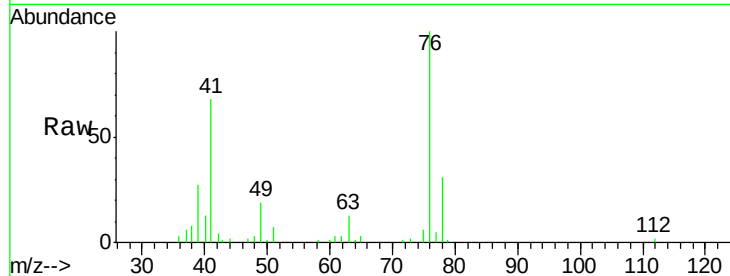




#57
 1,3-Dichloropropane
 Concen: 20.306 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

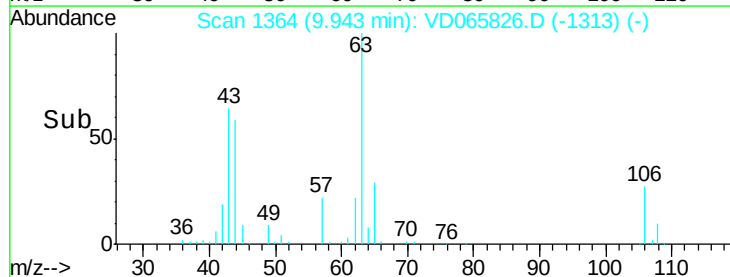
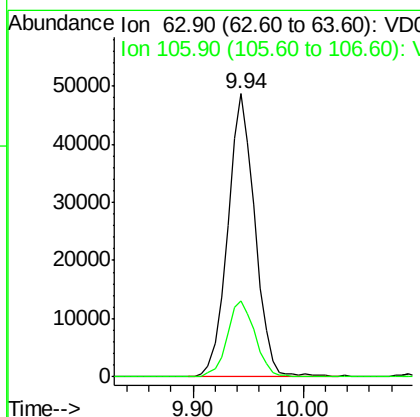
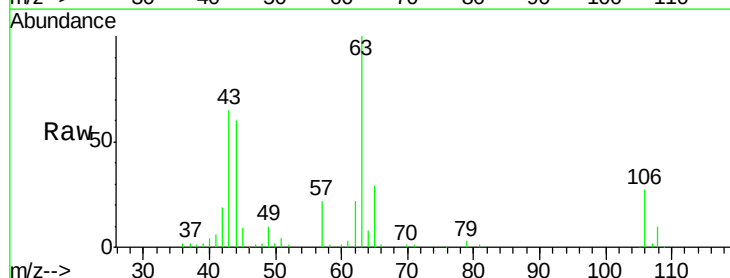
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBSD01

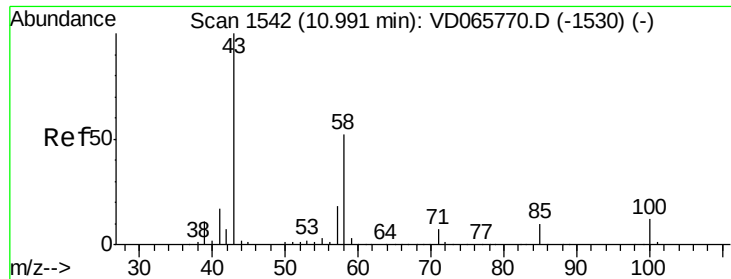
Tot Ion: 76 Resp: 49347
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.049 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 63 Resp: 83646
 Ion Ratio Lower Upper
 63 100
 106 27.7 23.2 34.8

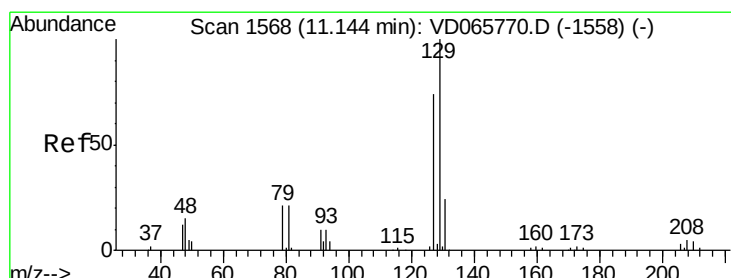
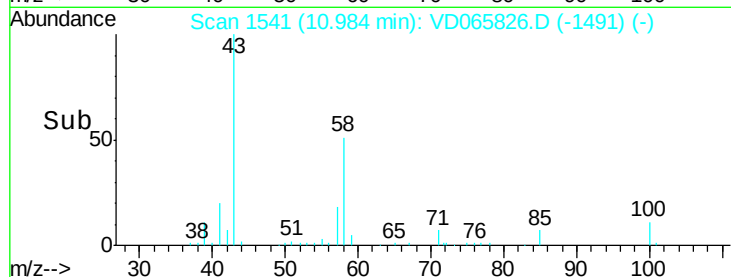
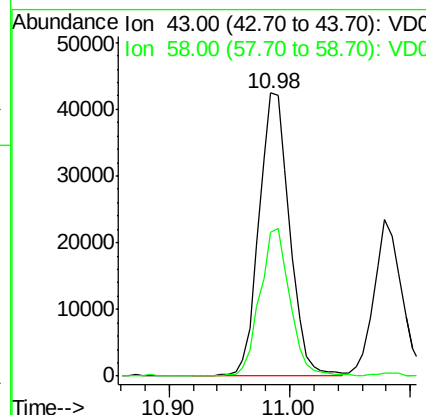
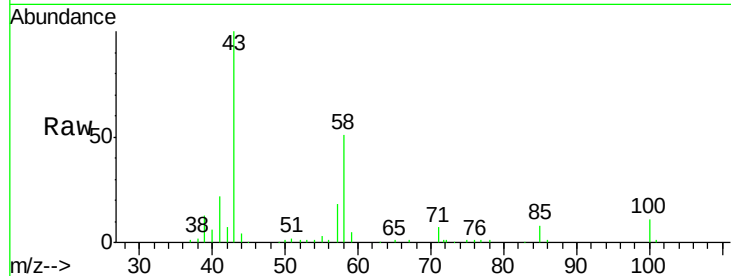




#59
2-Hexanone
Concen: 102.656 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

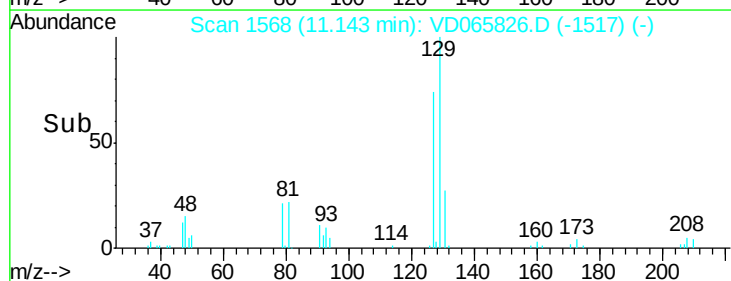
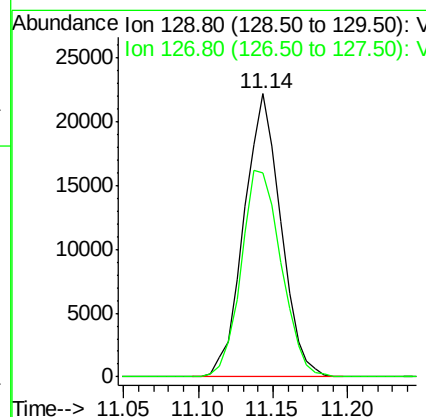
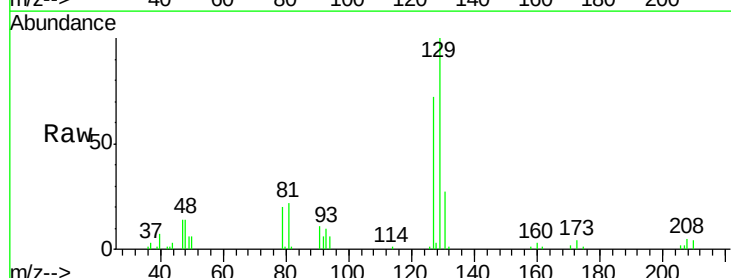
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

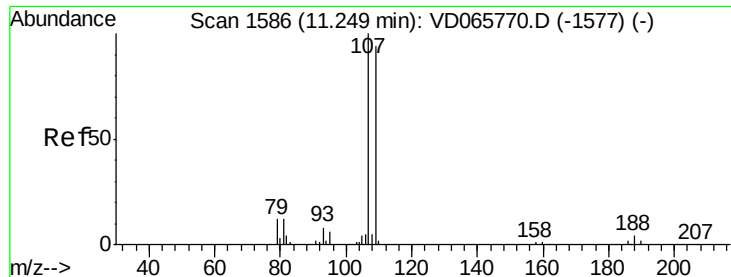
Tot Ion: 43 Resp: 74851
Ion Ratio Lower Upper
43 100
58 51.3 25.7 77.0



#60
Dibromochloromethane
Concen: 20.056 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 129 Resp: 38004
Ion Ratio Lower Upper
129 100
127 78.9 38.0 113.9

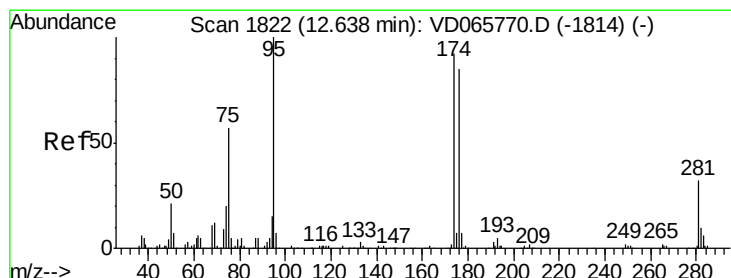
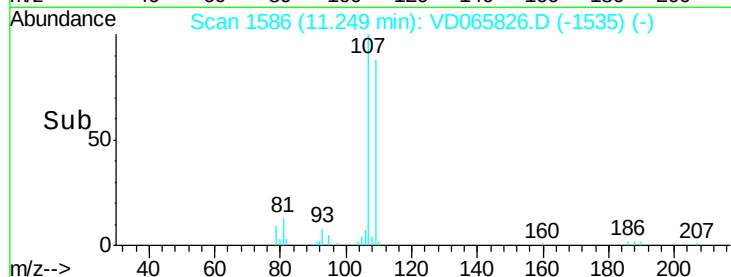
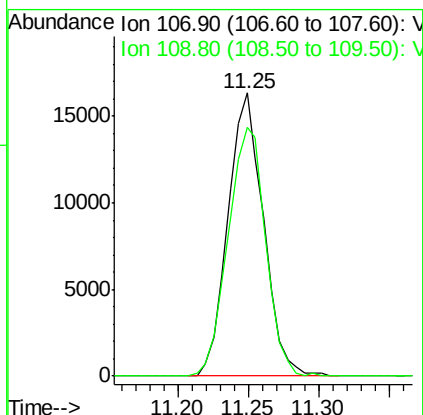
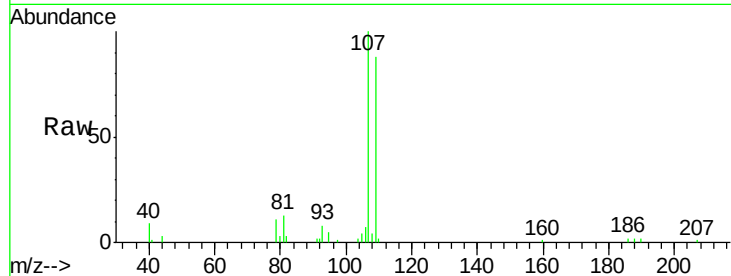




#61
 1,2-Dibromoethane
 Concen: 20.760 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

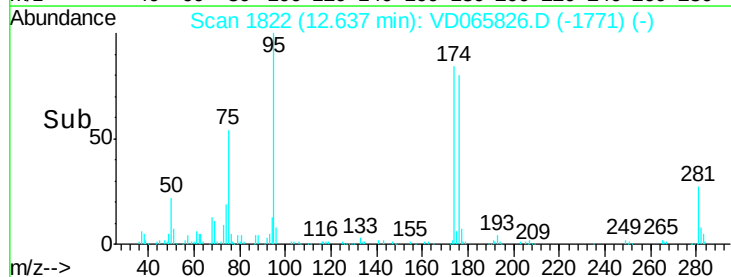
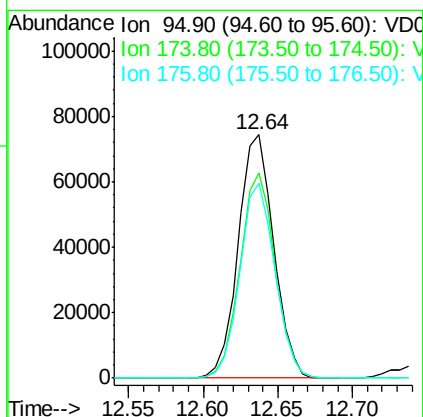
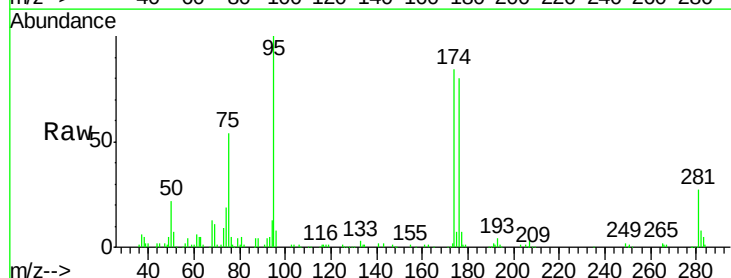
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBSD01

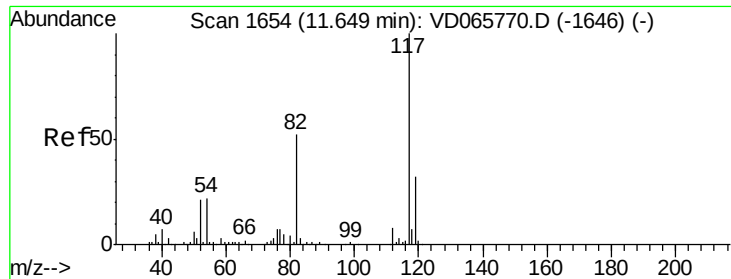
Tot Ion:107 Resp: 28618
 Ion Ratio Lower Upper
 107 100
 109 92.7 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 52.140 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 95 Resp: 122516
 Ion Ratio Lower Upper
 95 100
 174 83.1 0.0 175.2
 176 79.1 0.0 163.0

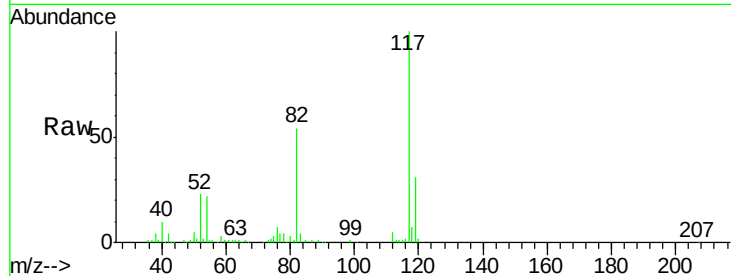




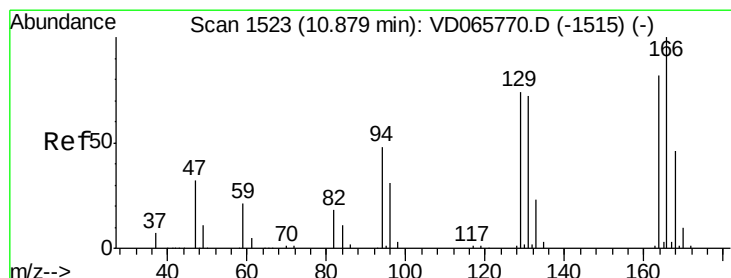
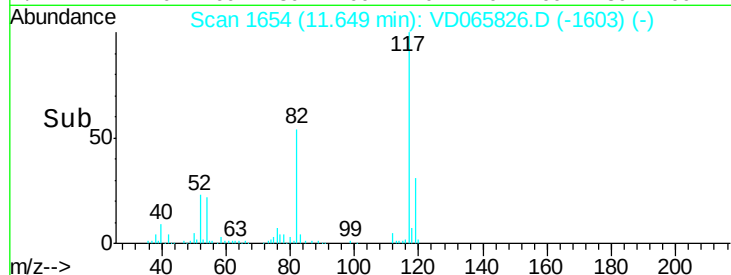
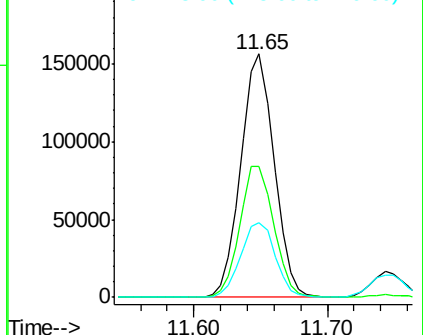
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

Tot Ion:117 Resp: 271121
Ion Ratio Lower Upper
117 100
82 53.8 41.9 62.9
119 30.7 25.3 37.9

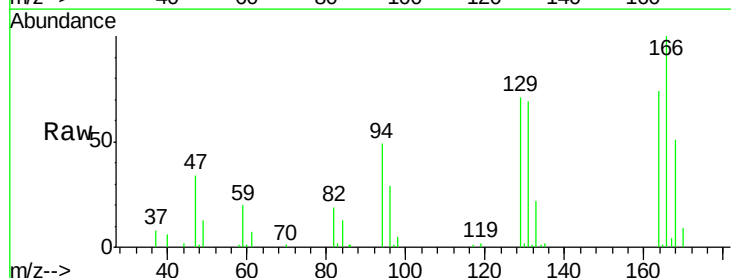


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

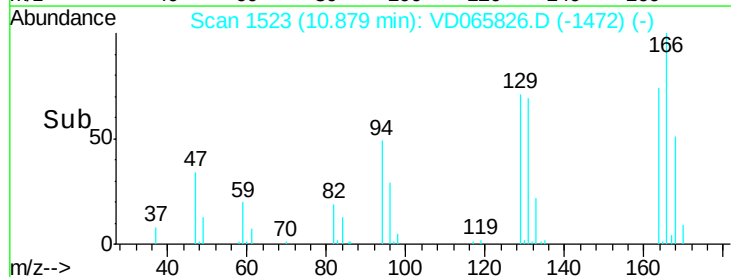
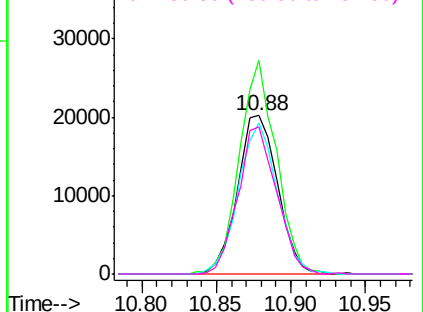


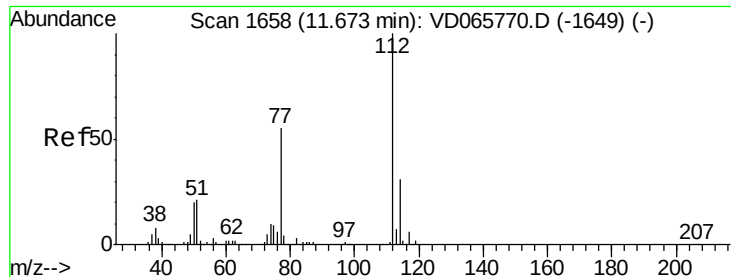
#64
Tetrachloroethene
Concen: 20.480 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion:164 Resp: 37546
Ion Ratio Lower Upper
164 100
166 135.0 98.2 147.2
129 95.8 72.3 108.5
131 93.2 70.5 105.7



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

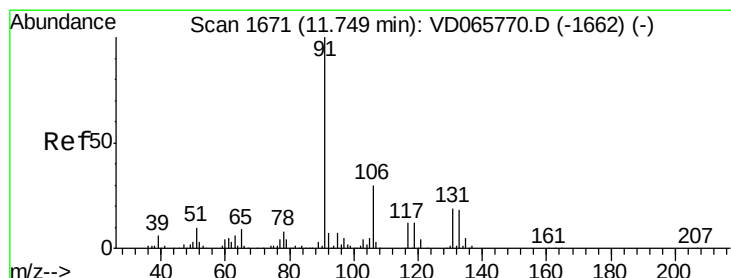
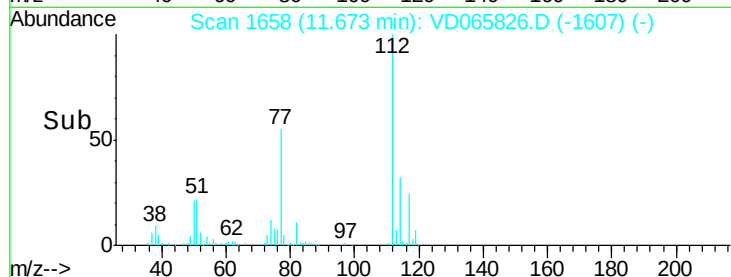
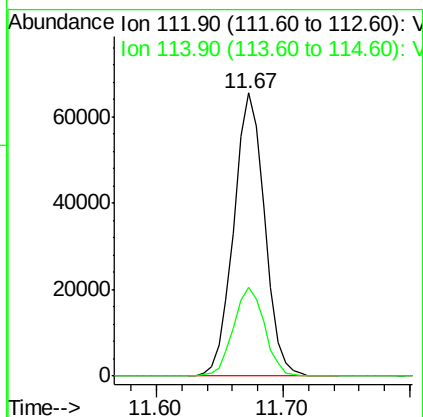
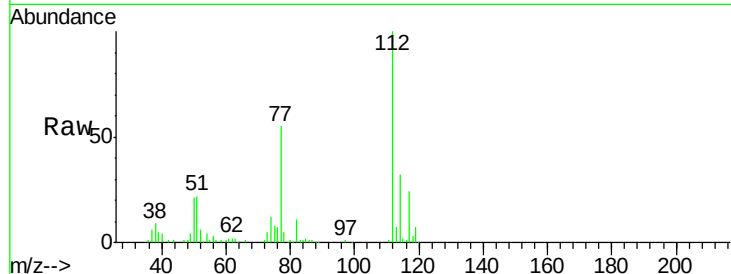




#65
Chlorobenzene
Concen: 20.821 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

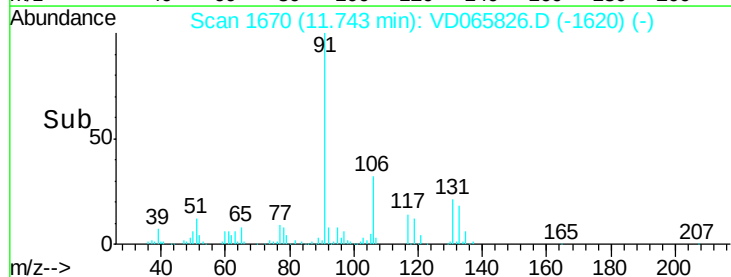
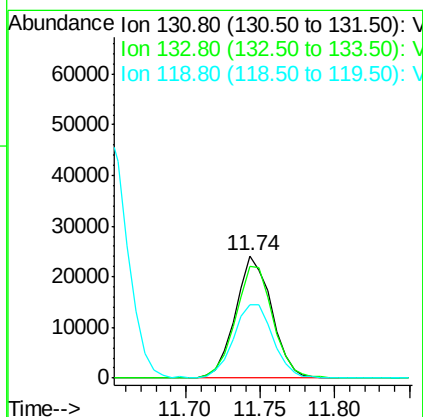
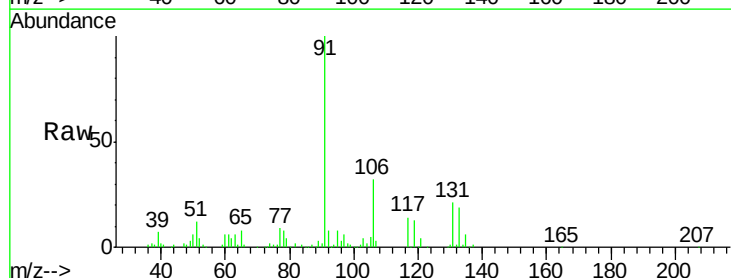
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

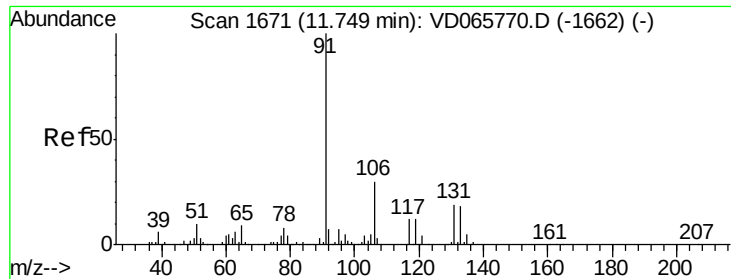
Tot Ion:112 Resp: 110204
Ion Ratio Lower Upper
112 100
114 31.6 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.601 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion:131 Resp: 40644
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 66.0 31.6 94.8





#67

Ethyl Benzene

Concen: 21.041 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

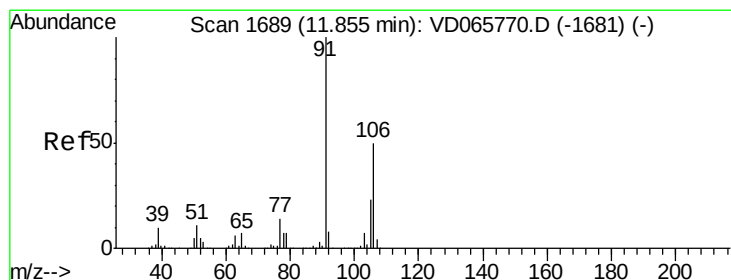
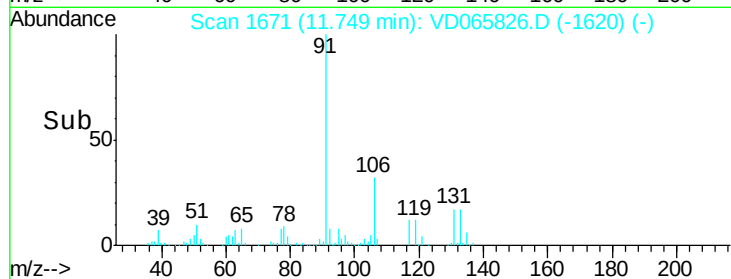
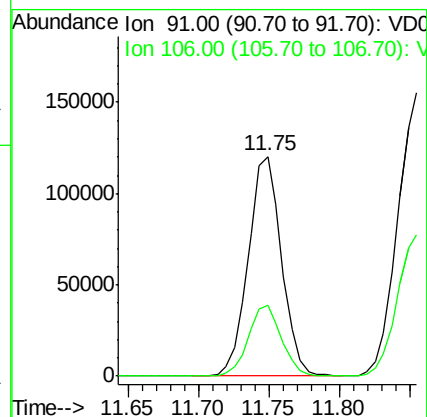
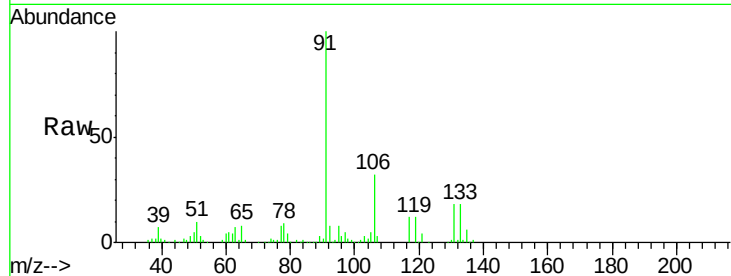
VD0619SBSD01

Tot Ion: 91 Resp: 198949

Ion Ratio Lower Upper

91 100

106 32.1 24.1 36.1



#68

m/p-Xylenes

Concen: 42.816 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065826.D

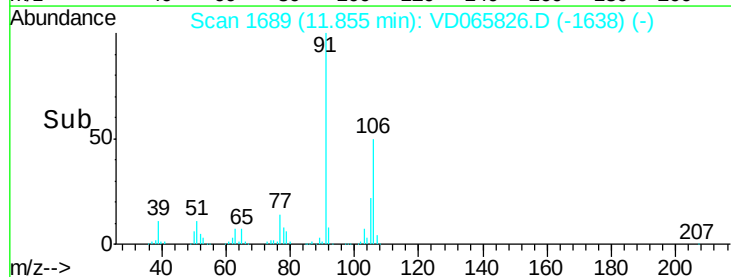
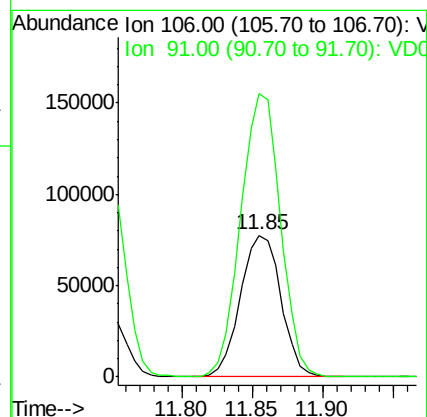
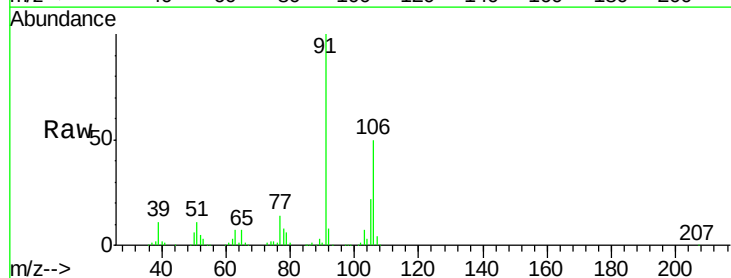
Acq: 19 Jun 2020 14:01

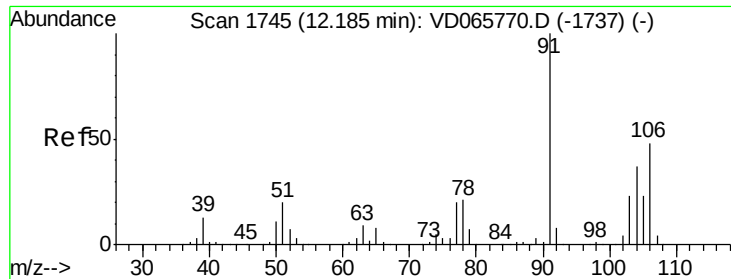
Tgt Ion: 106 Resp: 155940

Ion Ratio Lower Upper

106 100

91 196.8 159.4 239.2

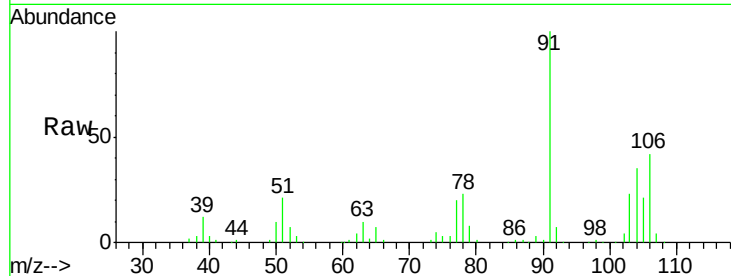




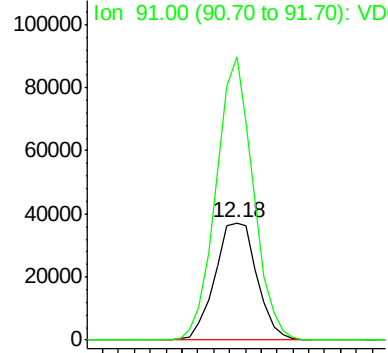
#69
o-Xylene
Concen: 20.876 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

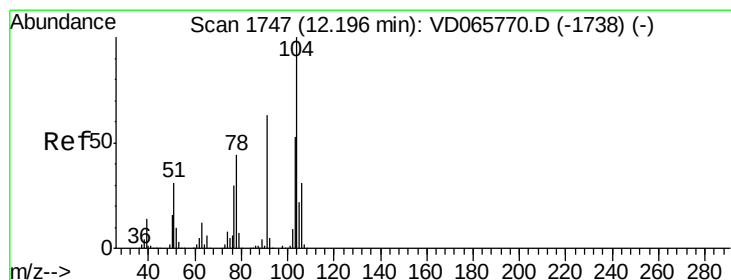
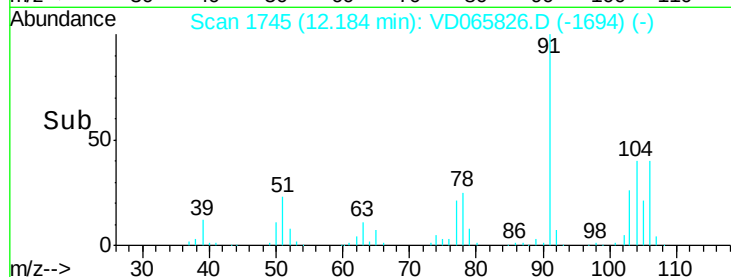
Tot Ion:106 Resp: 68554
Ion Ratio Lower Upper
106 100
91 212.4 105.3 315.8



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

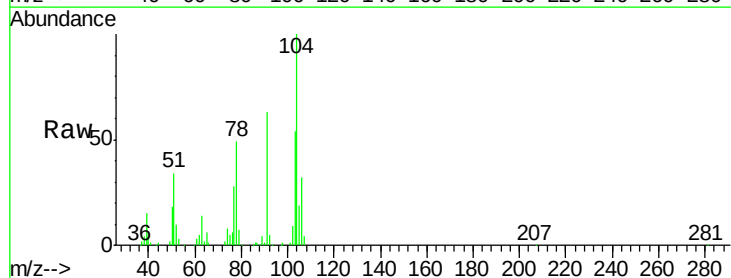


Time--> 12.10 12.15 12.20 12.25

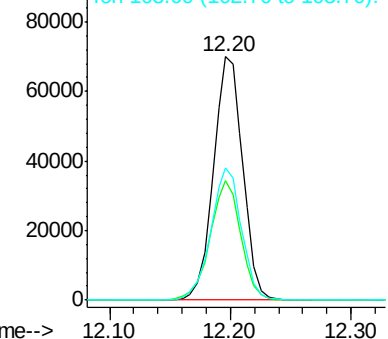


#70
Styrene
Concen: 20.798 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

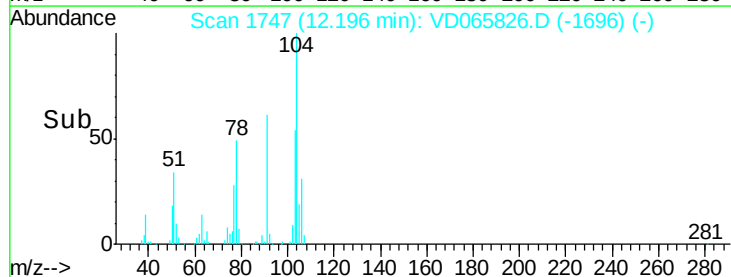
Tgt Ion:104 Resp: 118230
Ion Ratio Lower Upper
104 100
78 51.2 38.6 58.0
103 56.8 43.9 65.9

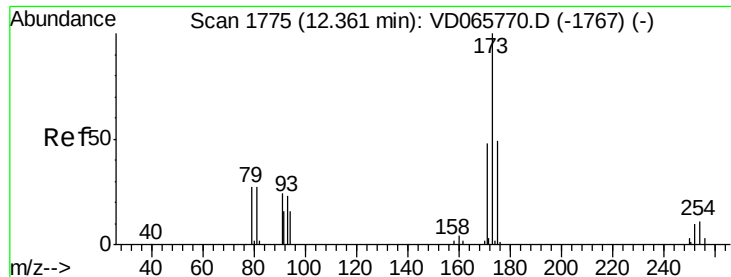


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20 12.30





#71

Bromoform

Concen: 19.905 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

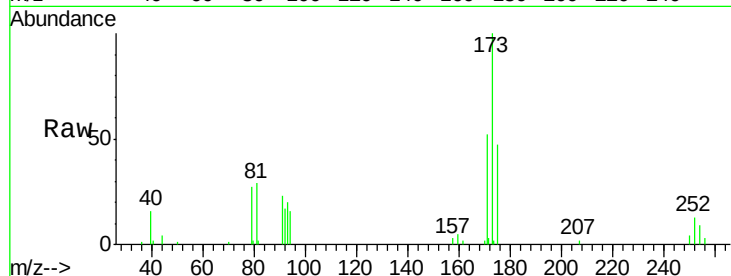
Tot Ion:173 Resp: 21626

Ion Ratio Lower Upper

173 100

175 49.6 24.8 74.4

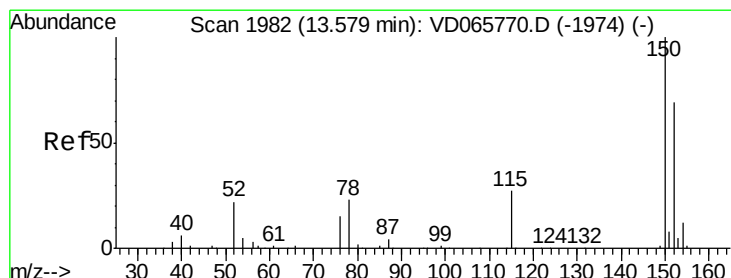
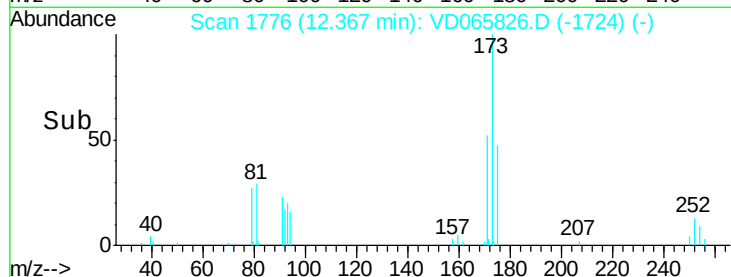
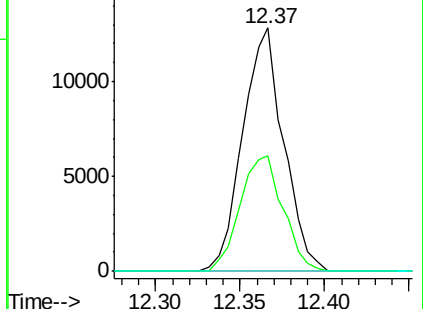
254 0.0 0.0 0.0



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: VD065826.D

Acq: 19 Jun 2020 14:01

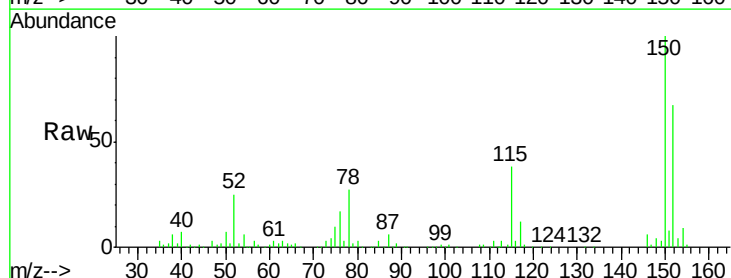
Tgt Ion:152 Resp: 141653

Ion Ratio Lower Upper

152 100

115 56.8 28.7 86.1

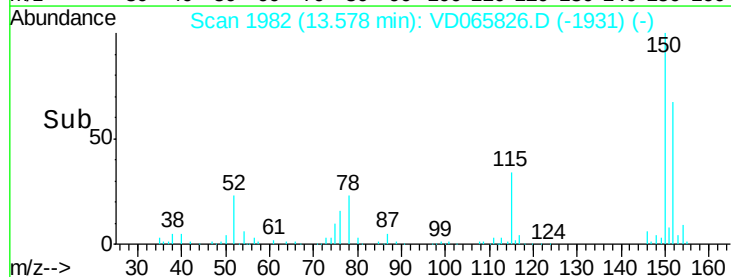
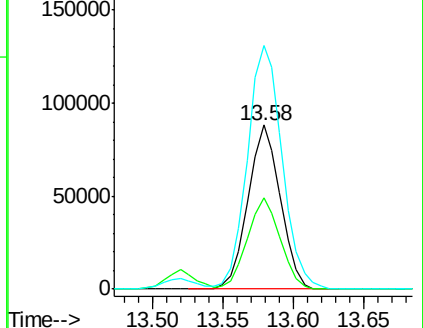
150 159.5 0.0 348.0

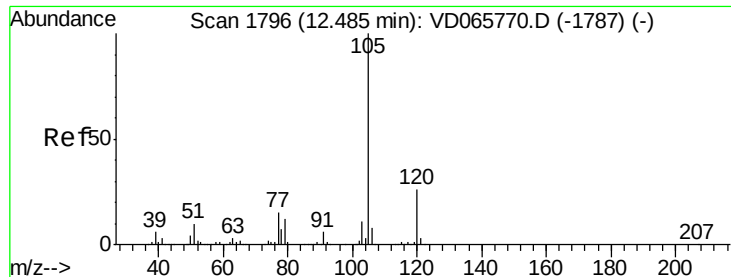


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

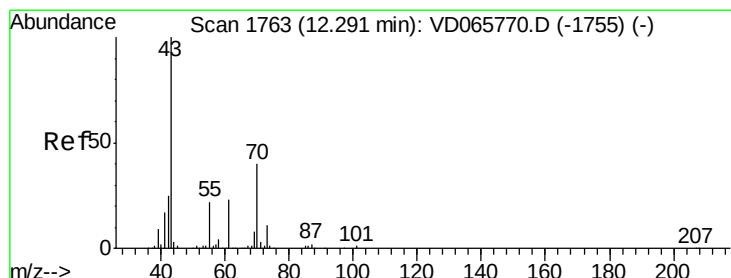
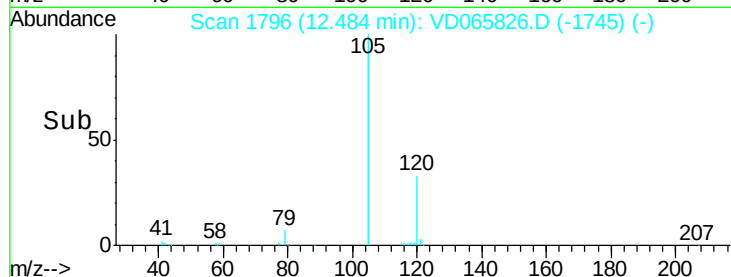
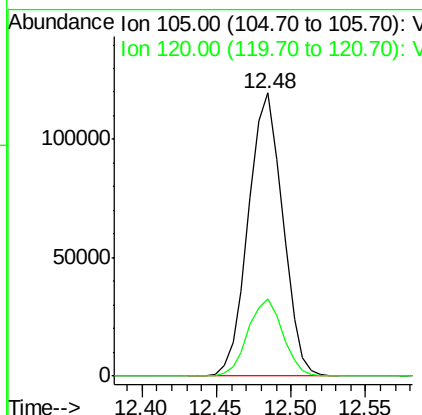
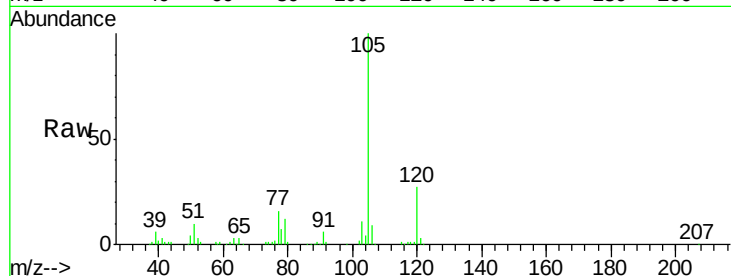




#73
Isopropylbenzene
Concen: 20.094 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

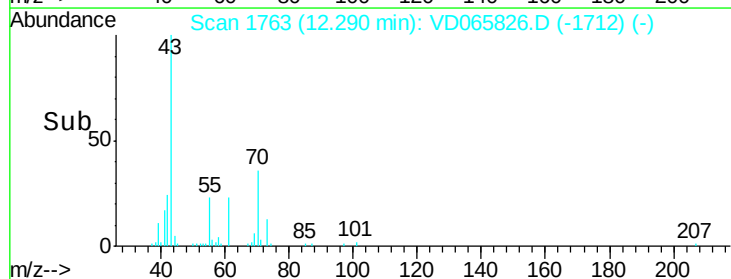
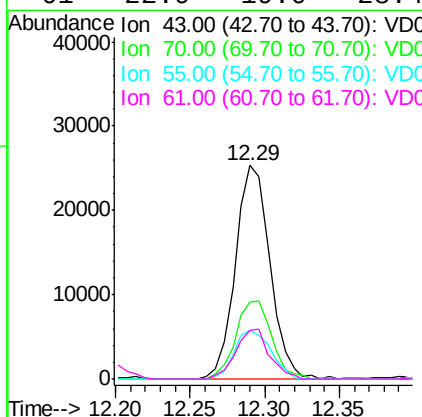
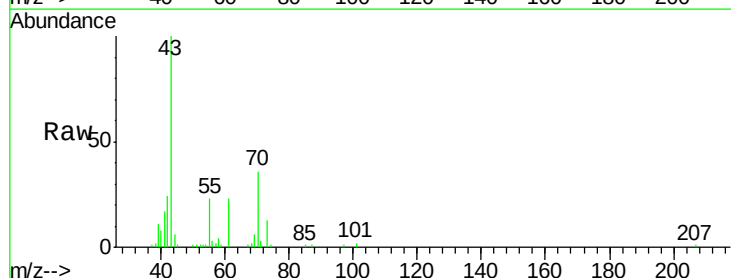
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

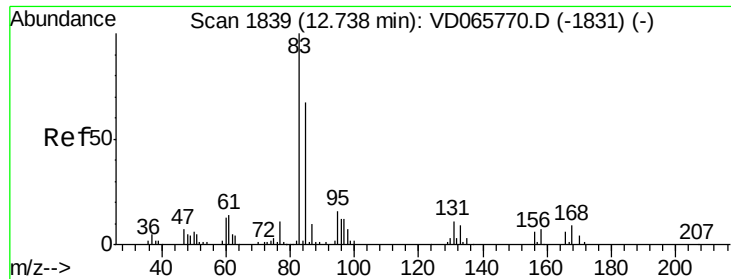
Tot Ion:105 Resp: 190840
Ion Ratio Lower Upper
105 100
120 27.5 13.5 40.5



#74
N-ethyl acetate
Concen: 19.252 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 43 Resp: 40678
Ion Ratio Lower Upper
43 100
70 38.4 32.3 48.5
55 24.2 19.0 28.4
61 22.9 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.329 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

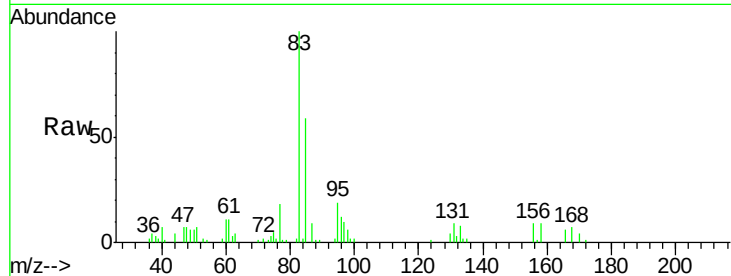
Tot Ion: 83 Resp: 32607

Ion Ratio Lower Upper

83 100

131 9.8 5.5 16.4

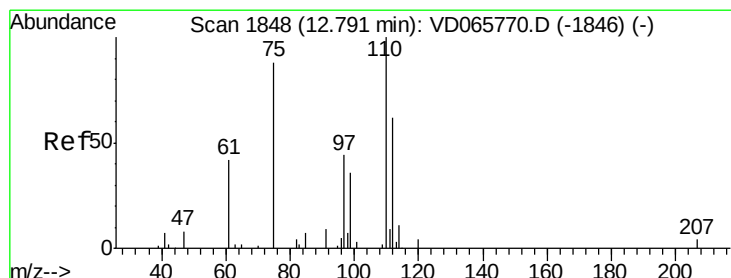
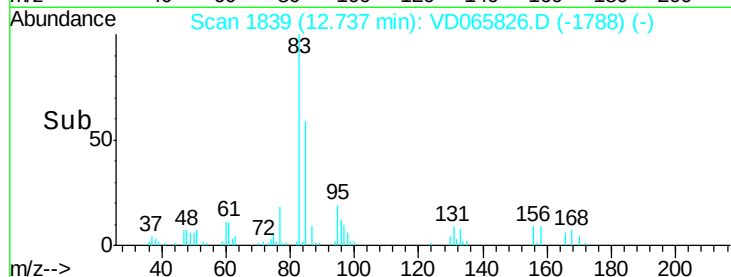
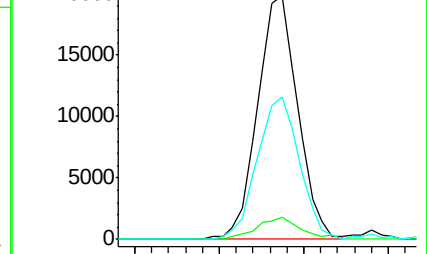
85 61.2 32.5 97.5



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: 26.111 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065826.D

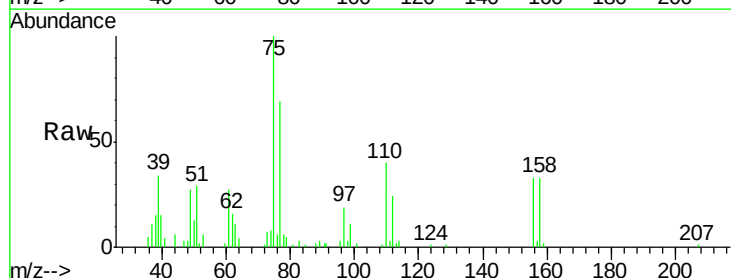
Acq: 19 Jun 2020 14:01

Tgt Ion: 75 Resp: 28765

Ion Ratio Lower Upper

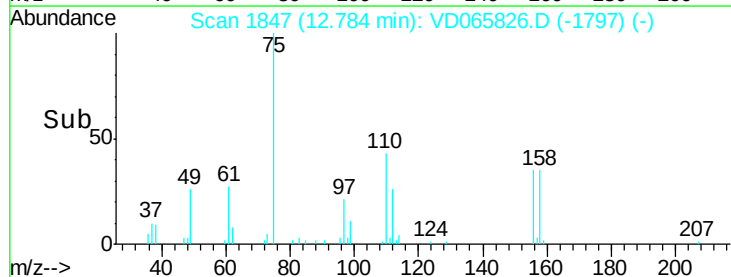
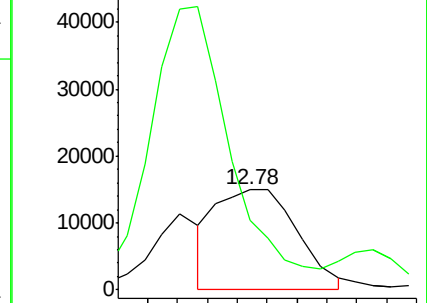
75 100

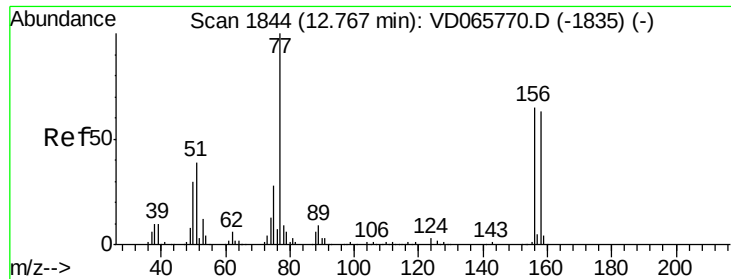
77 280.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.246 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

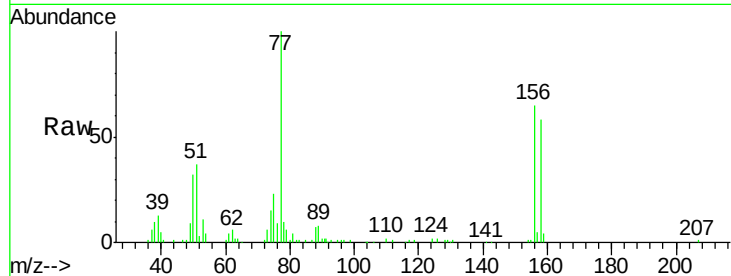
Tot Ion:156 Resp: 45494

Ion Ratio Lower Upper

156 100

77 177.5 87.3 261.8

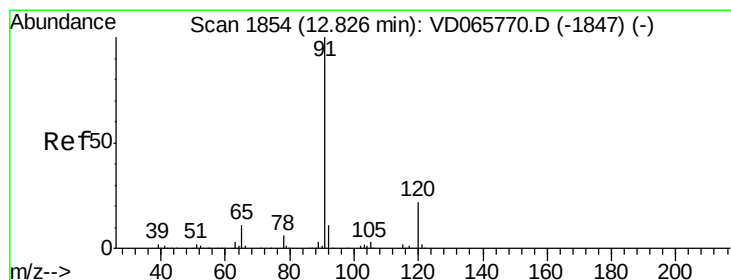
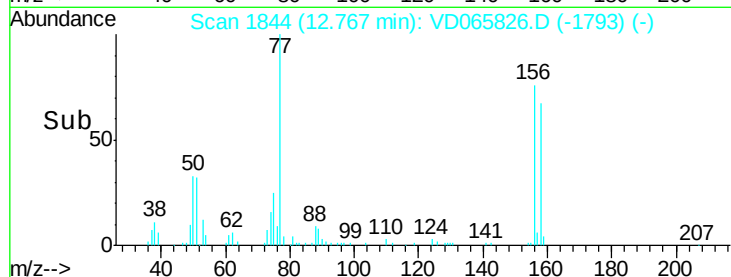
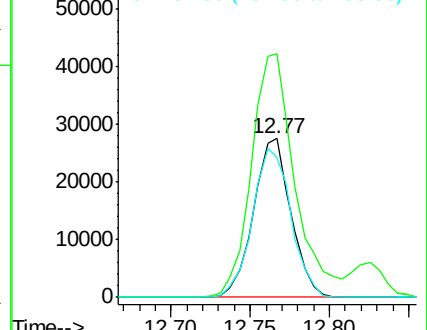
158 96.3 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.639 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065826.D

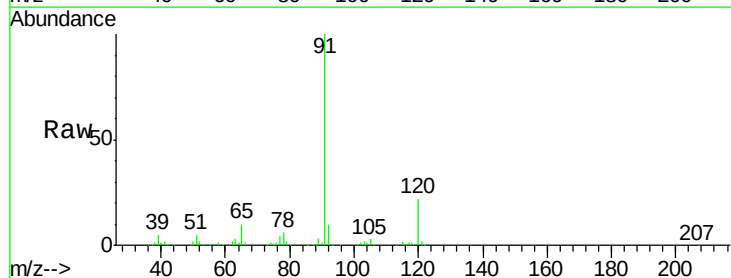
Acq: 19 Jun 2020 14:01

Tgt Ion: 91 Resp: 235945

Ion Ratio Lower Upper

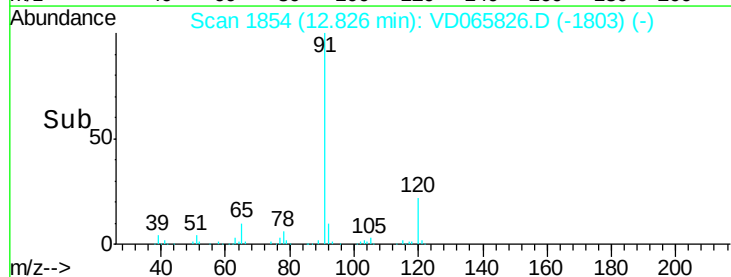
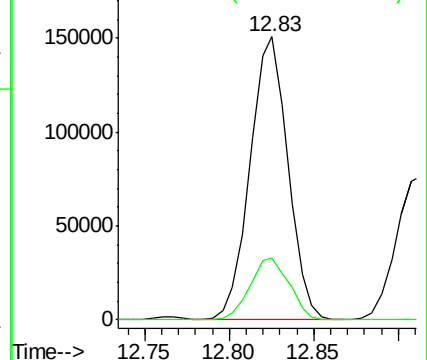
91 100

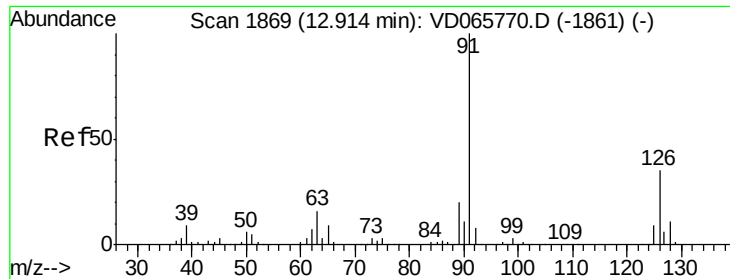
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

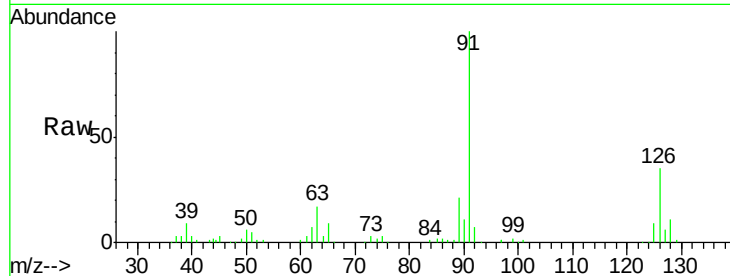




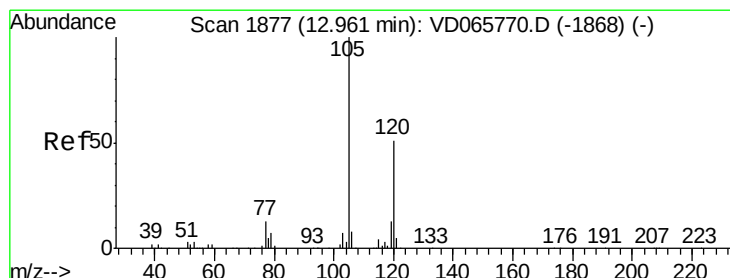
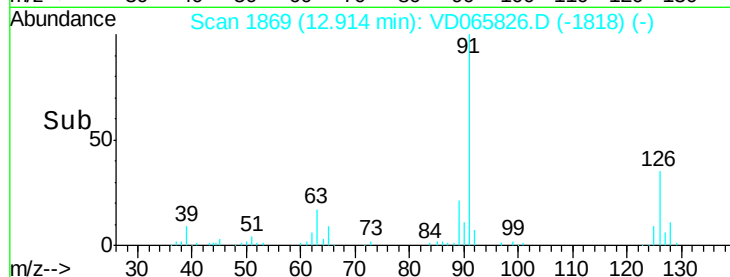
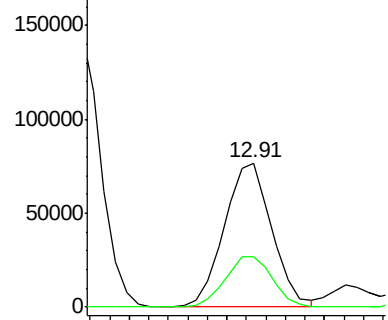
#79
2-Chlorotoluene
Concen: 20.735 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

Tot Ion: 91 Resp: 130038
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.6

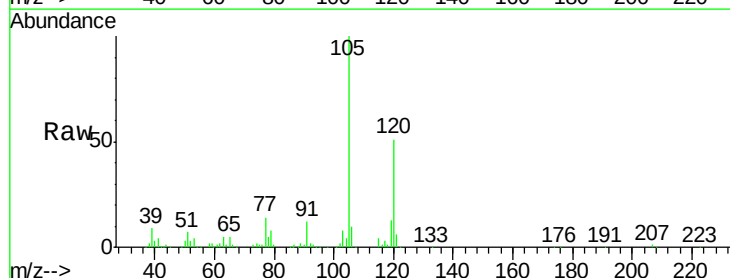


Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1861) (-)
Ion 125.90 (125.60 to 126.60): VD065770.D (-1861) (-)

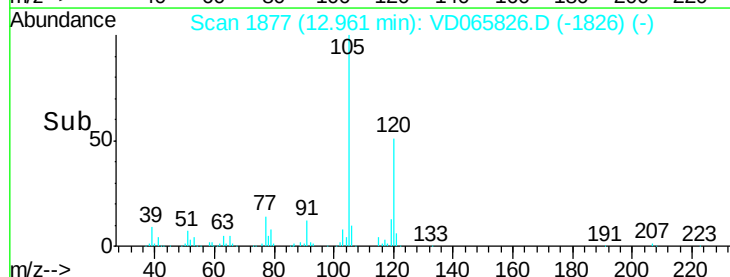
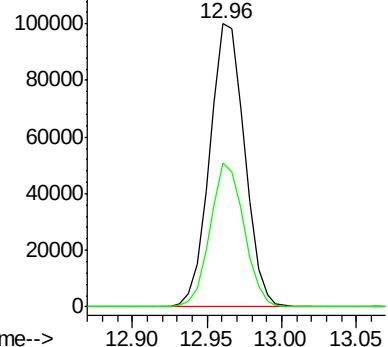


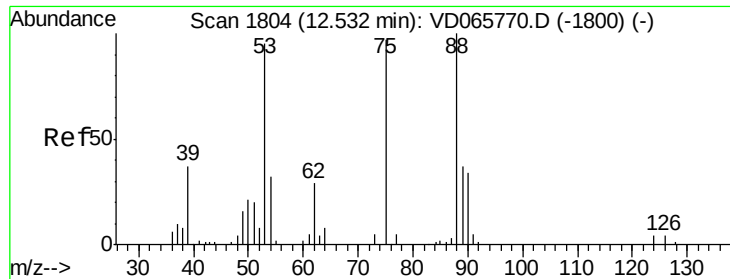
#80
1,3,5-Trimethylbenzene
Concen: 20.506 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion:105 Resp: 162068
Ion Ratio Lower Upper
105 100
120 49.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065770.D (-1868) (-)
Ion 120.00 (119.70 to 120.70): VD065770.D (-1868) (-)

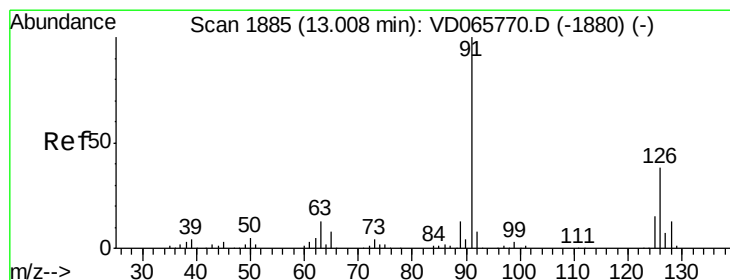
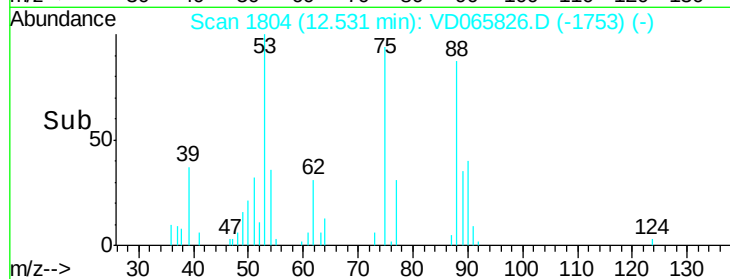
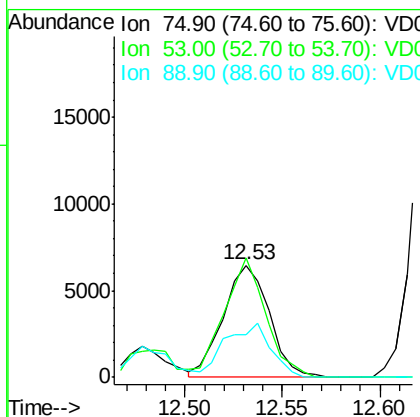
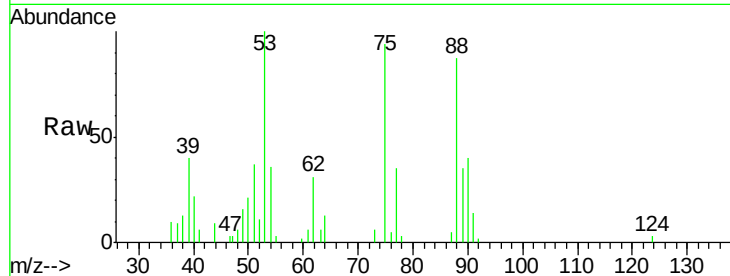




#81
trans-1,4-Dichloro-2-butene
Concen: 20.705 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

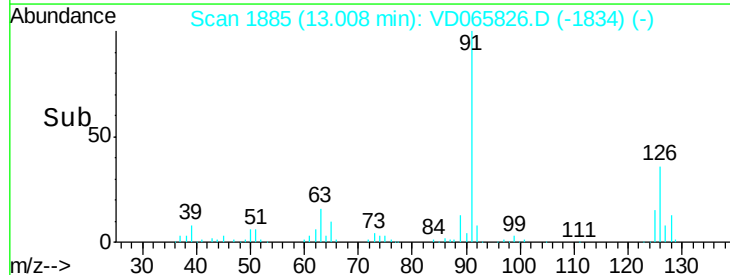
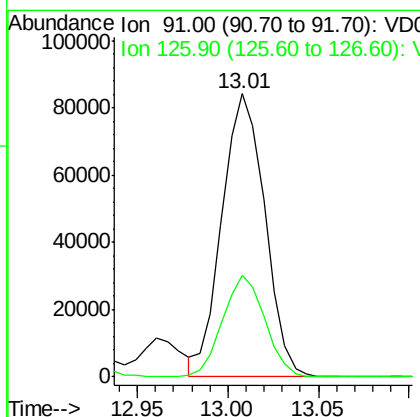
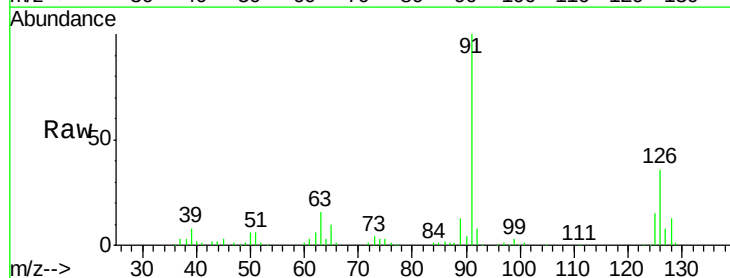
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

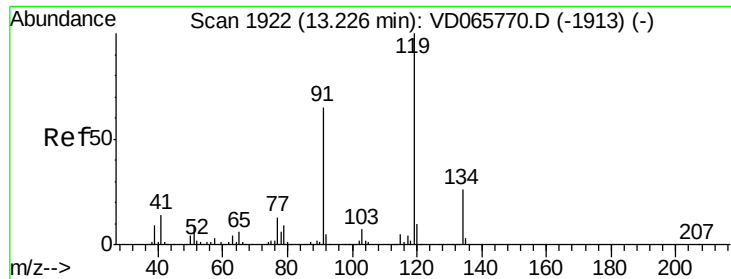
Tot Ion: 75 Resp: 10557
Ion Ratio Lower Upper
75 100
53 96.7 82.6 123.8
89 47.2 35.9 53.9



#82
4-Chlorotoluene
Concen: 20.592 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 91 Resp: 138616
Ion Ratio Lower Upper
91 100
126 35.1 17.6 52.8

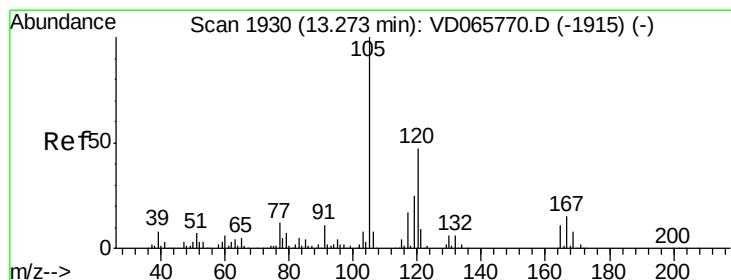
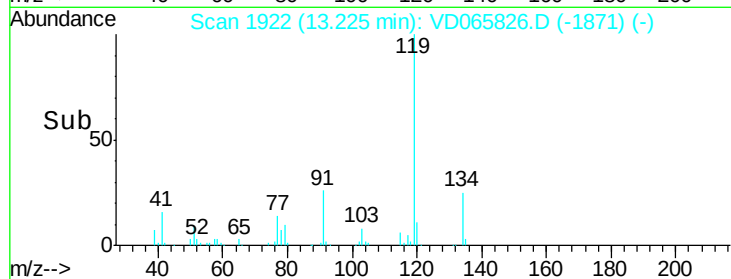
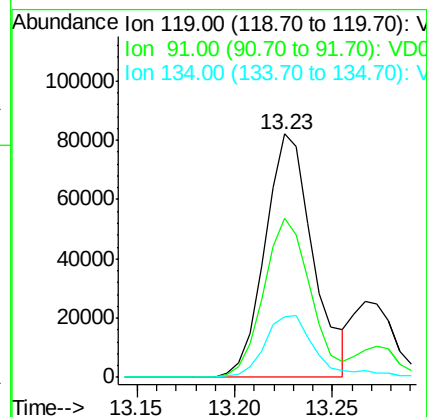
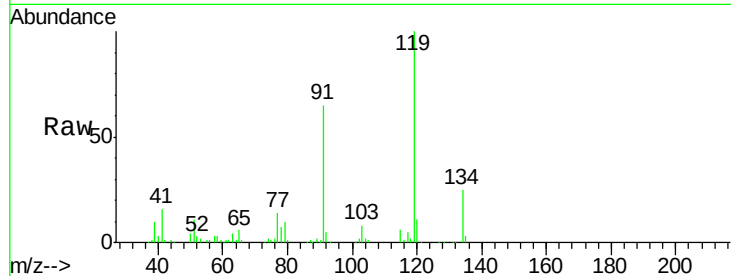




#83
 tert-Butylbenzene
 Concen: 20.388 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

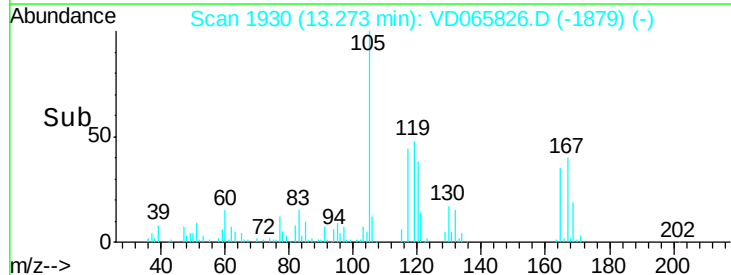
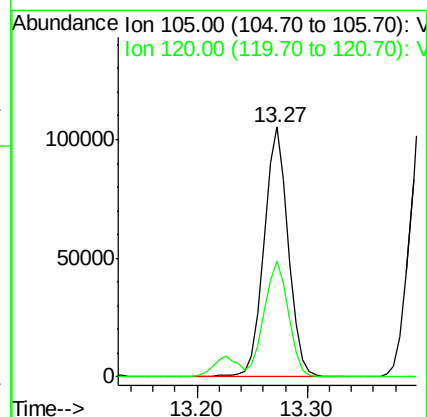
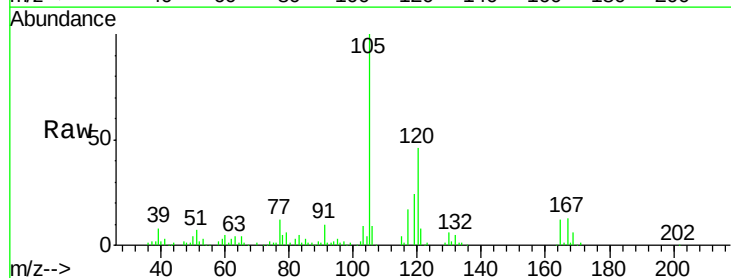
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBS01

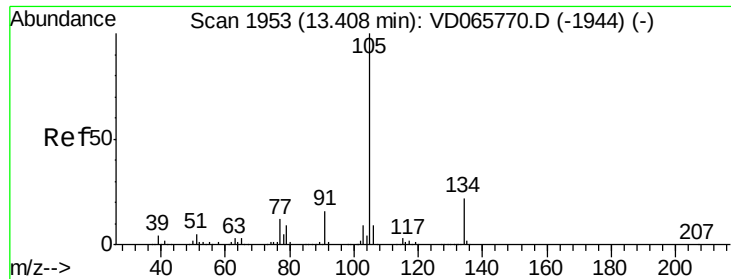
Tot Ion:119 Resp: 139815
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.0 96.0
 134 27.1 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.452 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Tgt Ion:105 Resp: 161785
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 20.456 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

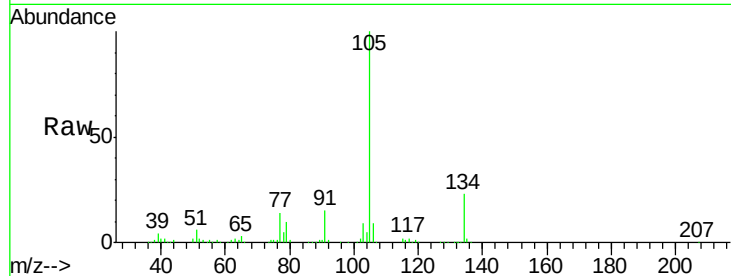
VD0619SBS01

Tot Ion:105 Resp: 195224

Ion Ratio Lower Upper

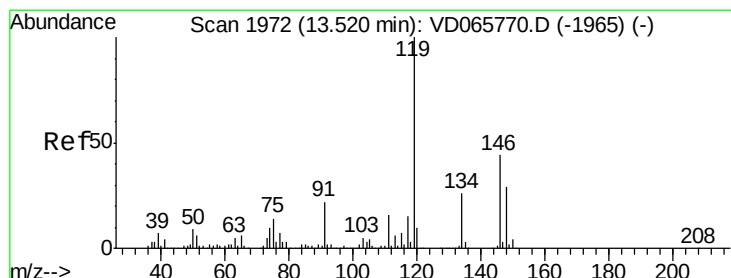
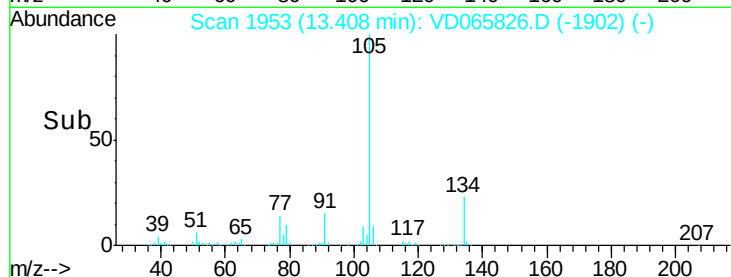
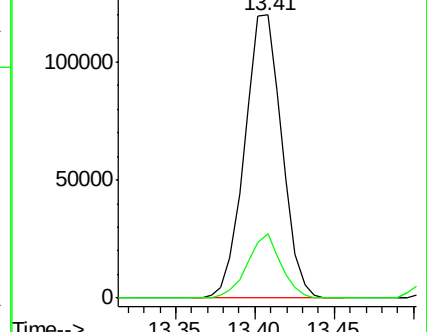
105 100

134 20.5 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.356 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

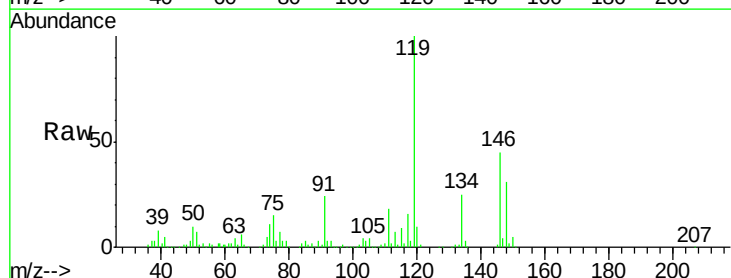
Tgt Ion:119 Resp: 178056

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

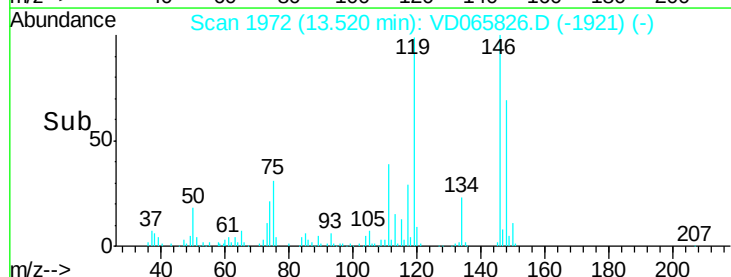
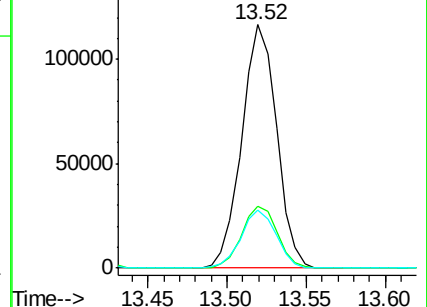
91 23.9 11.8 35.4

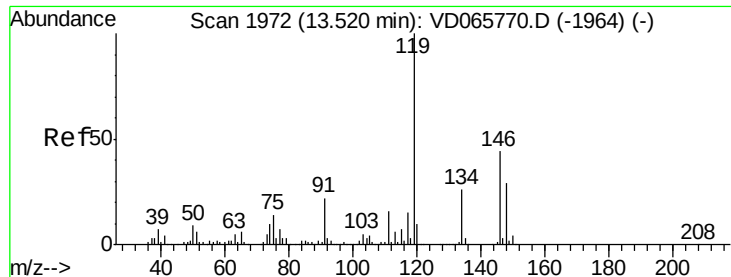


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.196 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

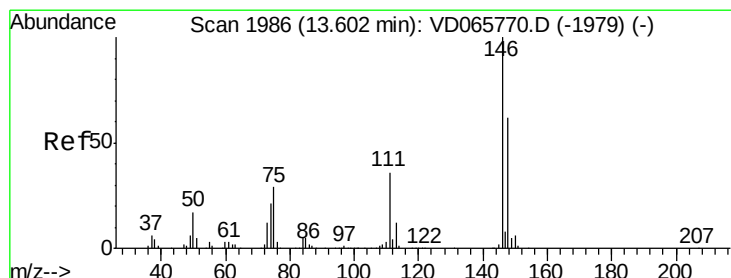
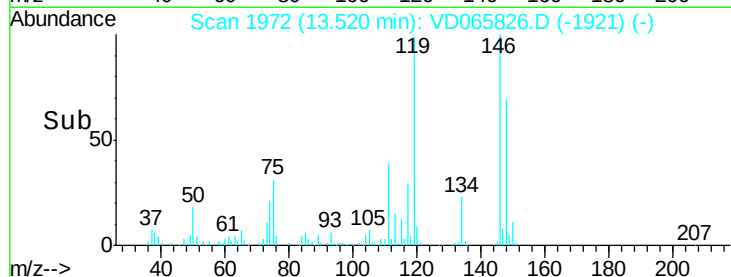
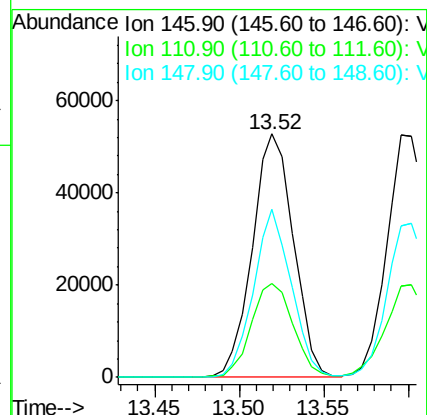
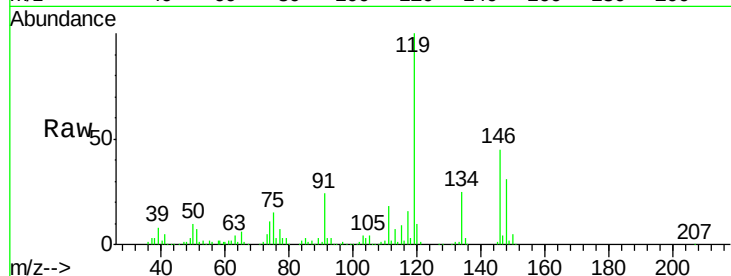
Tot Ion:146 Resp: 89483

Ion Ratio Lower Upper

146 100

111 39.5 19.2 57.6

148 63.5 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 19.803 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

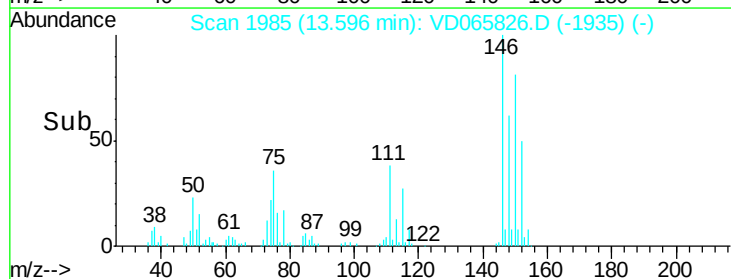
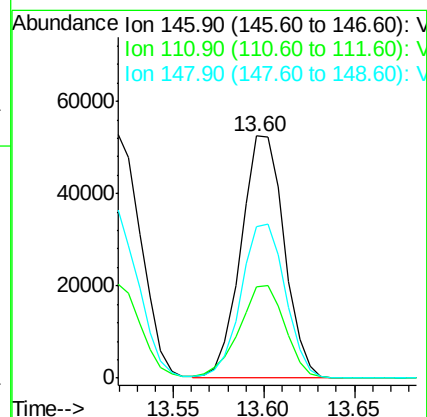
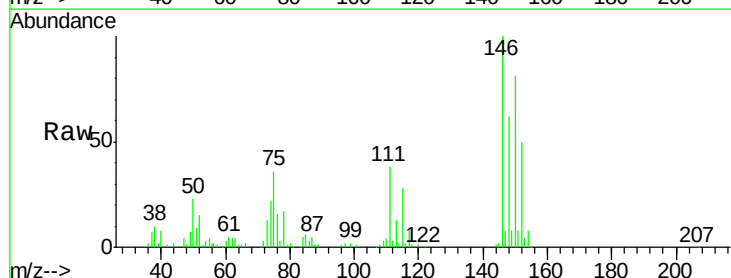
Tgt Ion:146 Resp: 87281

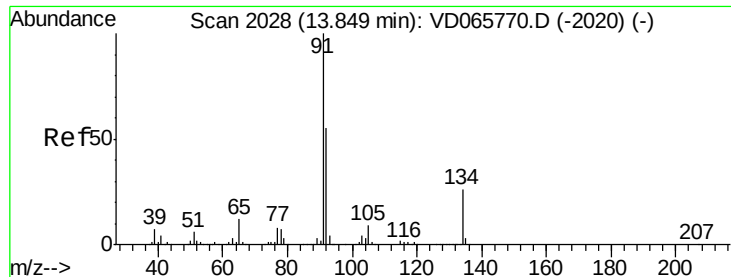
Ion Ratio Lower Upper

146 100

111 40.8 18.9 56.7

148 65.0 31.6 94.7

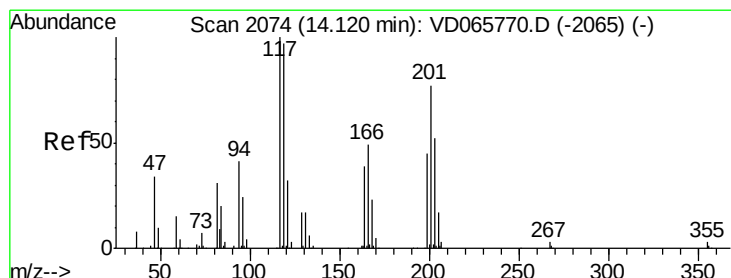
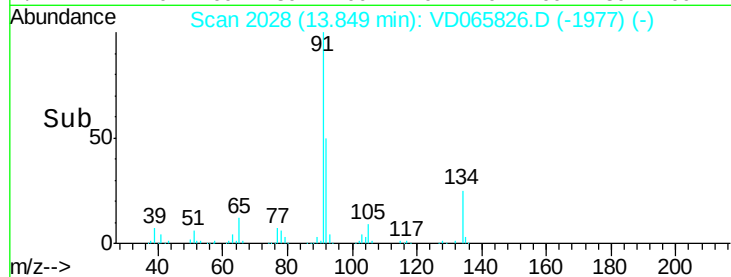
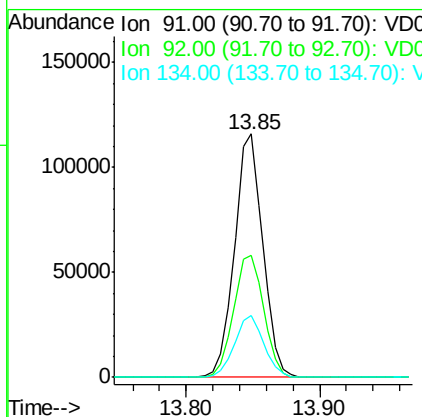
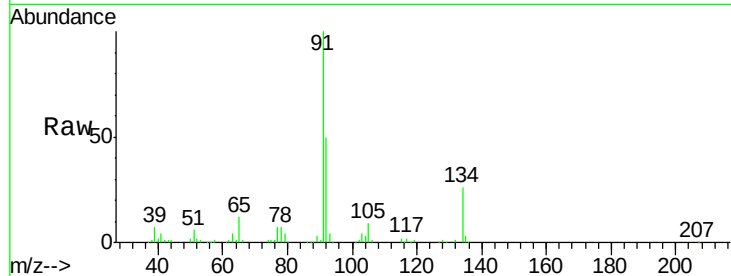




#89
n-Butylbenzene
Concen: 20.463 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

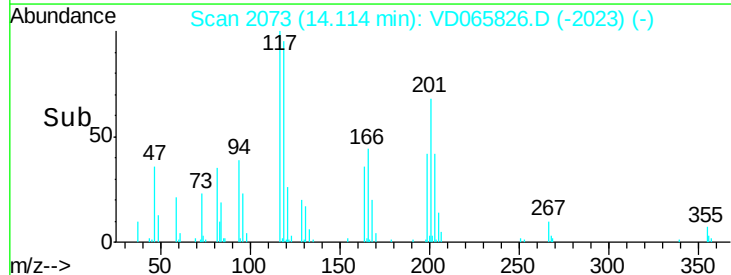
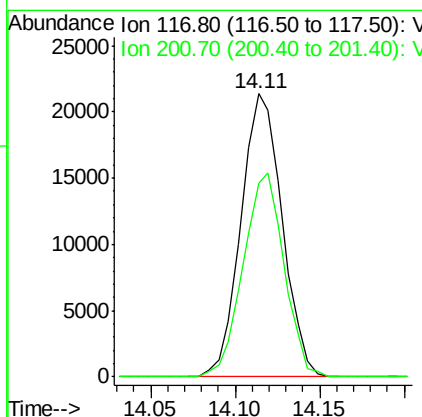
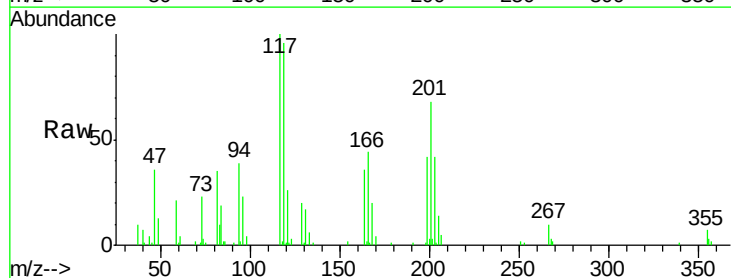
Instrument :
MSVOA_D
ClientSampleId :
VD0619SBSD01

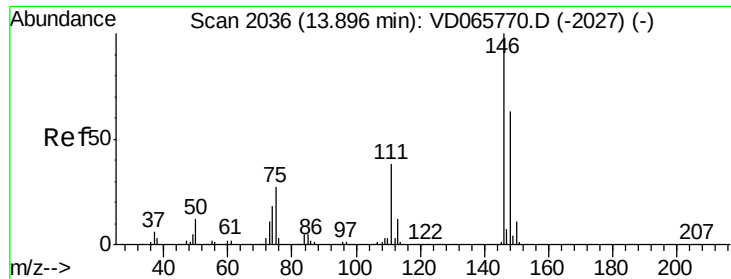
Tot Ion: 91 Resp: 170715
Ion Ratio Lower Upper
91 100
92 53.3 27.0 81.0
134 26.4 13.0 39.0



#90
Hexachloroethane
Concen: 20.712 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065826.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 117 Resp: 36265
Ion Ratio Lower Upper
117 100
201 71.4 37.1 111.5

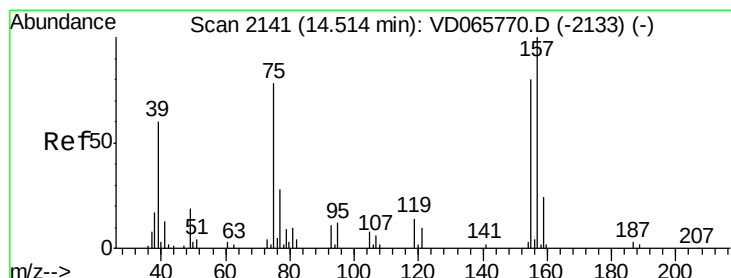
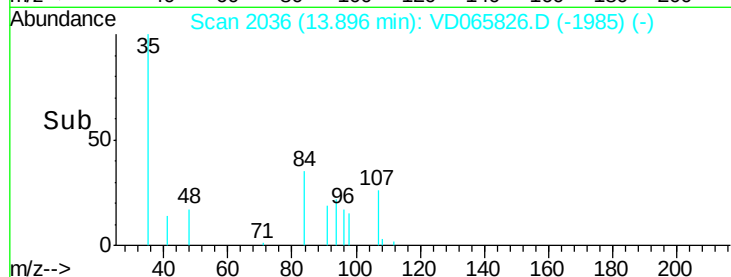
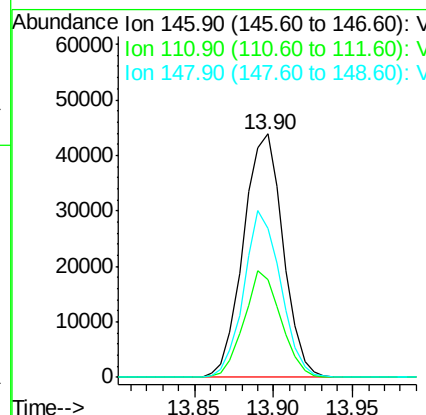
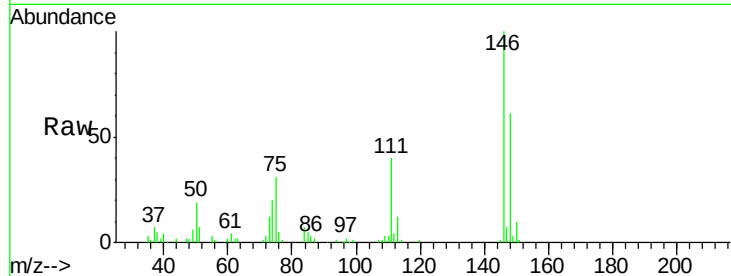




#91
 1,2-Dichlorobenzene
 Concen: 19.946 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

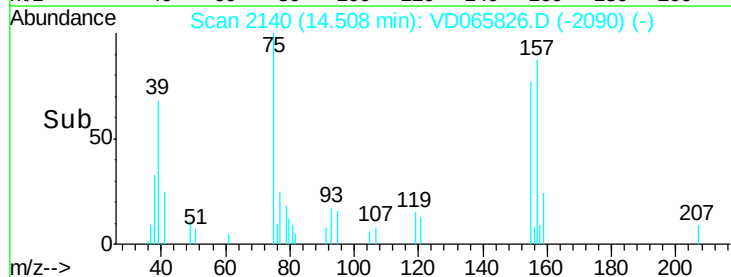
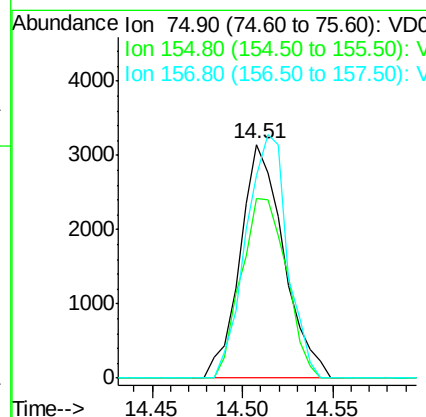
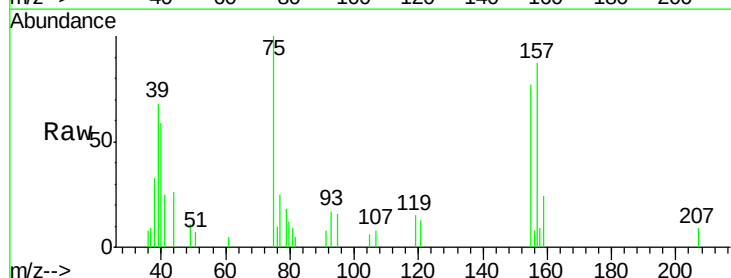
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBSD01

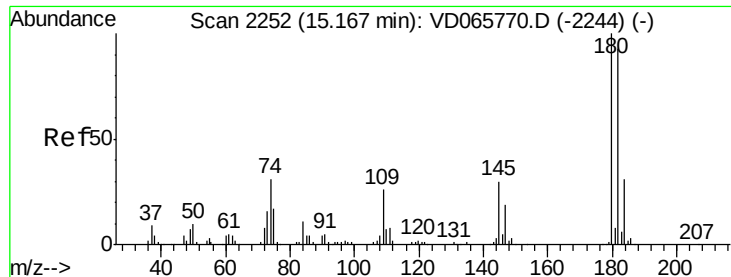
Tot Ion:146 Resp: 76054
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.8 59.4
 148 63.8 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.687 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 75 Resp: 5255
 Ion Ratio Lower Upper
 75 100
 155 79.5 46.3 138.9
 157 99.0 58.1 174.3

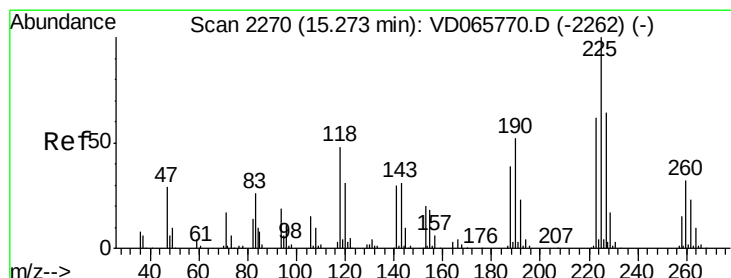
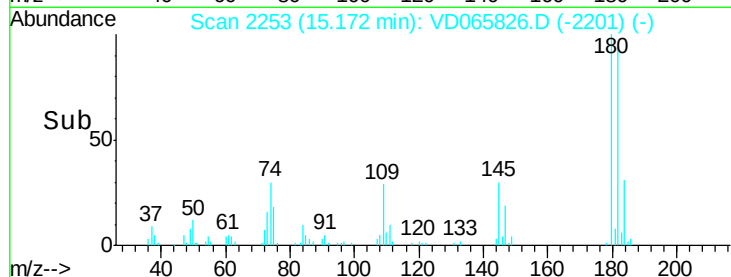
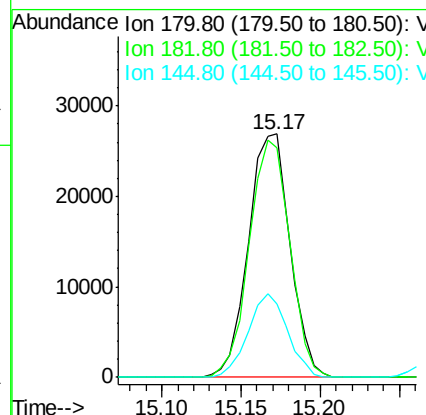
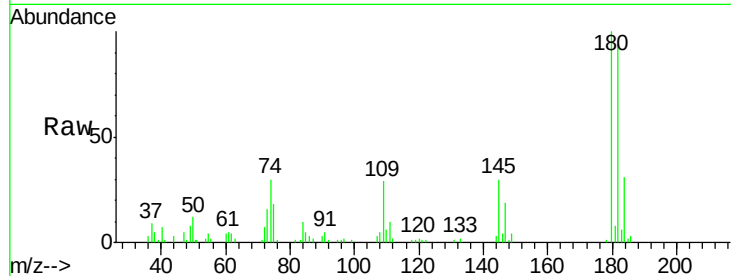




#93
 1,2,4-Trichlorobenzene
 Concen: 18.978 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

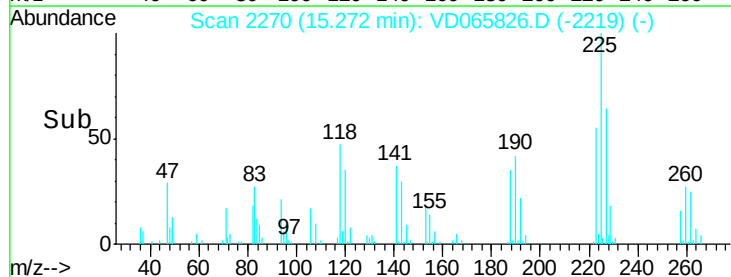
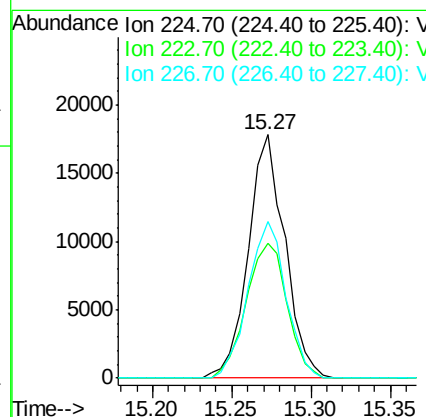
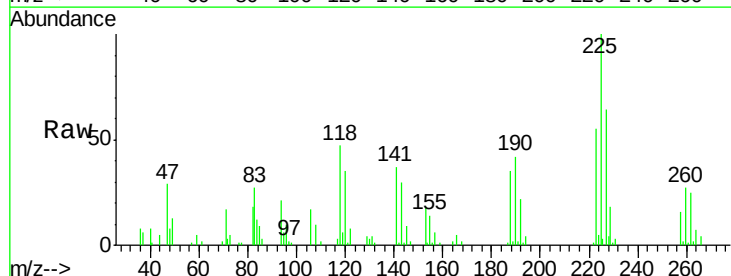
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0619SBSD01

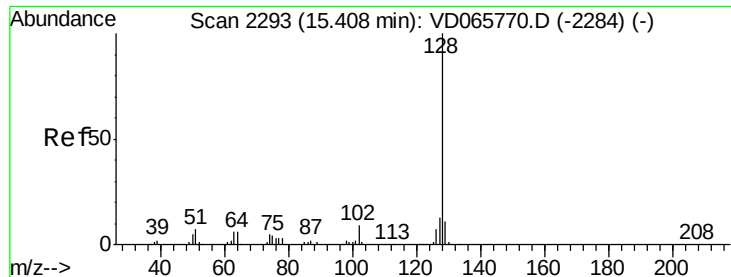
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.2
145	32.3	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 18.250 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065826.D
 Acq: 19 Jun 2020 14:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.9	92.7
227	66.6	31.9	95.7





#95

Naphthalene

Concen: 18.197 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0619SBSD01

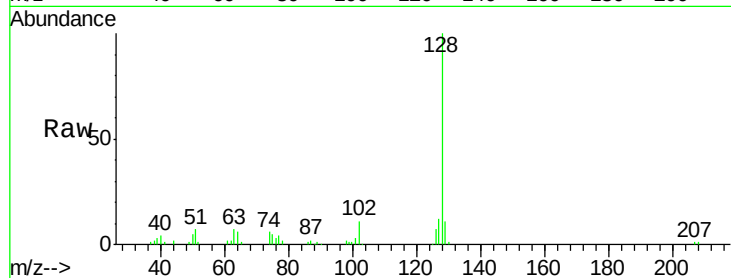
Tot Ion:128 Resp: 79913

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

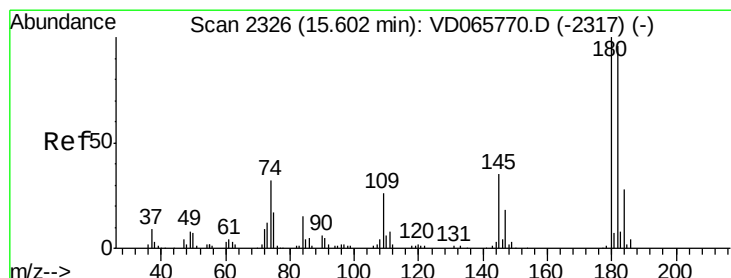
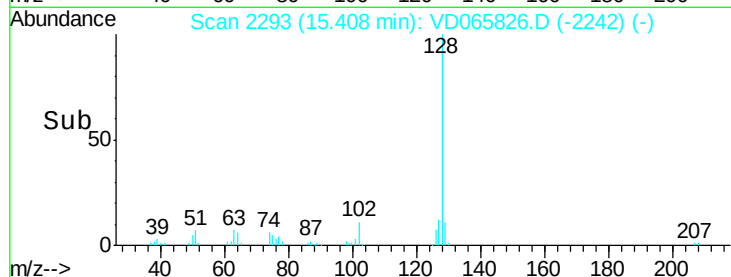
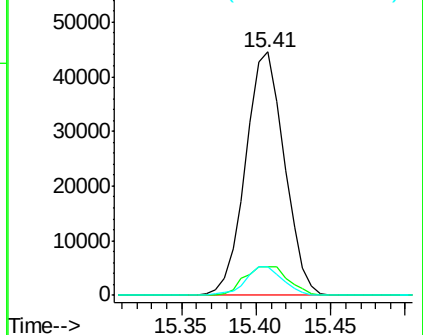
129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.628 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD065826.D

Acq: 19 Jun 2020 14:01

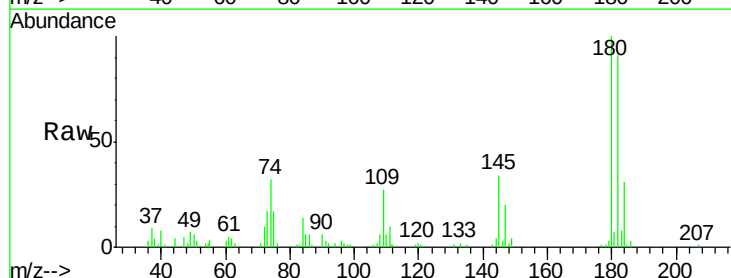
Tgt Ion:180 Resp: 41596

Ion Ratio Lower Upper

180 100

182 96.0 47.0 141.2

145 33.1 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

