

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065819.D
 Acq On : 18 Jun 2020 20:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 19 01:54:12 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	189229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	310048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	293154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	156237	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	100328	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	7.91	113	97041	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.34	98	375600	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.64	95	129345	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.99	85	48995	37.511	ug/l	98
3) Chloromethane	2.21	50	108230	51.197	ug/l	94
4) Vinyl Chloride	2.35	62	131011	46.927	ug/l	98
5) Bromomethane	2.77	94	97673	50.026	ug/l	99
6) Chloroethane	2.93	64	93245	49.396	ug/l	96
7) Trichlorofluoromethane	3.27	101	135826	42.941	ug/l	97
8) Diethyl Ether	3.71	74	40252	48.402	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	81093	42.995	ug/l	96
10) Methyl Iodide	4.31	142	79889	43.497	ug/l	99
11) Tert butyl alcohol	5.22	59	26855	257.264	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	75229	43.762	ug/l	91
13) Acrolein	3.92	56	22239	211.749	ug/l	98
14) Allyl chloride	4.71	41	134611	47.378	ug/l	97
15) Acrylonitrile	5.43	53	99448	263.293	ug/l	99
16) Acetone	4.16	43	81562	231.243	ug/l	100
17) Carbon Disulfide	4.41	76	247275	42.857	ug/l	98
18) Methyl Acetate	4.72	43	42823	54.127	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	195562	50.224	ug/l	97
20) Methylene Chloride	4.97	84	102741	55.323	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	93591	46.488	ug/l	99
22) Diisopropyl ether	6.36	45	309943	53.989	ug/l	99
23) Vinyl Acetate	6.31	43	890338	274.646	ug/l	99
24) 1,1-Dichloroethane	6.27	63	170620	48.778	ug/l	99
25) 2-Butanone	7.21	43	122490	251.460	ug/l	96
26) 2,2-Dichloropropane	7.21	77	142675	46.002	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	108003	49.872	ug/l	98
28) Bromochloromethane	7.55	49	70109	51.896	ug/l	99
29) Tetrahydrofuran	7.56	42	82878	269.201	ug/l	98
30) Chloroform	7.71	83	184748	50.957	ug/l	98
31) Cyclohexane	7.98	56	145472	43.382	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	160884	48.259	ug/l	97
36) 1,1-Dichloropropene	8.11	75	137142	46.175	ug/l	98
37) Ethyl Acetate	7.30	43	60324	51.565	ug/l	99
38) Carbon Tetrachloride	8.10	117	144154	46.119	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065819.D
 Acq On : 18 Jun 2020 20:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Jun 19 01:54:12 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)
39) Methylcyclohexane	9.36	83	157851	44.889	ug/l	100
40) Benzene	8.36	78	393289	48.437	ug/l	100
41) Methacrylonitrile	7.54	41	39513m	56.724	ug/l	
42) 1,2-Dichloroethane	8.43	62	120811	49.313	ug/l	99
43) Isopropyl Acetate	8.45	43	116838	50.225	ug/l	99
44) Trichloroethene	9.11	130	102139	45.203	ug/l	97
45) 1,2-Dichloropropane	9.39	63	101318	49.662	ug/l	97
46) Dibromomethane	9.48	93	55491	50.151	ug/l	94
47) Bromodichloromethane	9.66	83	146324	49.350	ug/l	98
48) Methyl methacrylate	9.46	41	54054	48.004	ug/l	90
49) 1,4-Dioxane	9.47	88	11352	963.898	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	300938	264.002	ug/l	98
52) Toluene	10.40	92	259408	49.170	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	134463	50.080	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	159077	50.166	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	75924	51.354	ug/l	95
56) Ethyl methacrylate	10.66	69	92175	53.006	ug/l	99
57) 1,3-Dichloropropane	10.95	76	130958	51.128	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	225917	279.439	ug/l	98
59) 2-Hexanone	10.98	43	204439	266.018	ug/l	100
60) Dibromochloromethane	11.14	129	101179	50.660	ug/l	98
61) 1,2-Dibromoethane	11.25	107	74137	51.025	ug/l	99
64) Tetrachloroethene	10.88	164	87407	44.093	ug/l	87
65) Chlorobenzene	11.67	112	277633	48.511	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	103524	48.528	ug/l	99
67) Ethyl Benzene	11.75	91	504162	49.312	ug/l	96
68) m/p-Xylenes	11.86	106	392475	99.662	ug/l	99
69) o-Xylene	12.18	106	180891	50.945	ug/l	100
70) Styrene	12.20	104	321150	52.248	ug/l	99
71) Bromoform	12.37	173	56739	48.299	ug/l #	97
73) Isopropylbenzene	12.48	105	484101	46.214	ug/l	100
74) N-amyl acetate	12.29	43	112077	48.092	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	84470	47.748	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	48292m	39.744	ug/l	
77) Bromobenzene	12.77	156	116062	46.829	ug/l	96
78) n-propylbenzene	12.83	91	590102	46.800	ug/l	99
79) 2-Chlorotoluene	12.91	91	332143	48.017	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	414834	47.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	27384	48.694	ug/l	98
82) 4-Chlorotoluene	13.01	91	354078	47.690	ug/l	100
83) tert-Butylbenzene	13.23	119	360676	47.685	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	416929	47.785	ug/l	99
85) sec-Butylbenzene	13.41	105	494700	46.997	ug/l	99
86) p-Isopropyltoluene	13.52	119	462801	47.969	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	230189	47.104	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	229990	47.312	ug/l	100
89) n-Butylbenzene	13.85	91	438385	47.643	ug/l	98
90) Hexachloroethane	14.11	117	92246	47.767	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	201655	47.948	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13591	46.162	ug/l	95

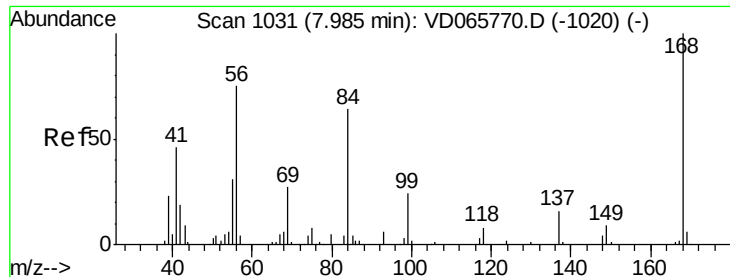
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061820\
Data File : VD065819.D
Acq On : 18 Jun 2020 20:09
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 19 01:54:12 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	134548	47.052	ug/l	99
94) Hexachlorobutadiene	15.27	225	73655	42.609	ug/l	97
95) Naphthalene	15.41	128	234739	48.462	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	114985	46.688	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

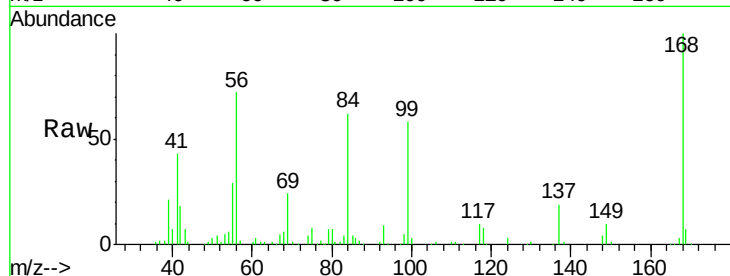
VSTDCCC050EC

Tot Ion:168 Resp: 189229

Ion Ratio Lower Upper

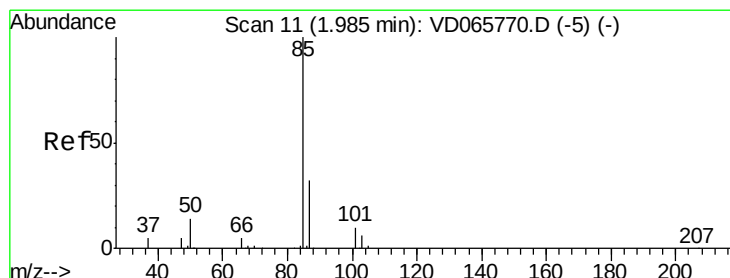
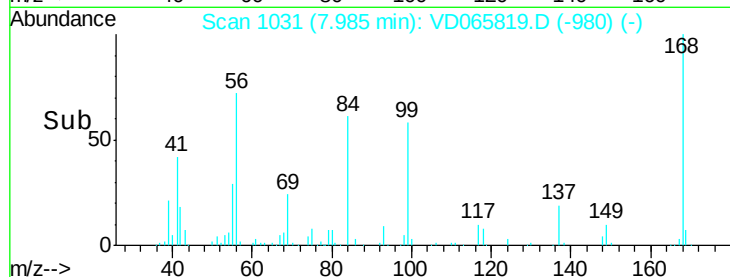
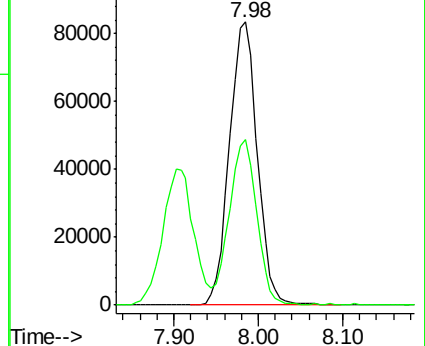
168 100

99 58.2 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: 37.511 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065819.D

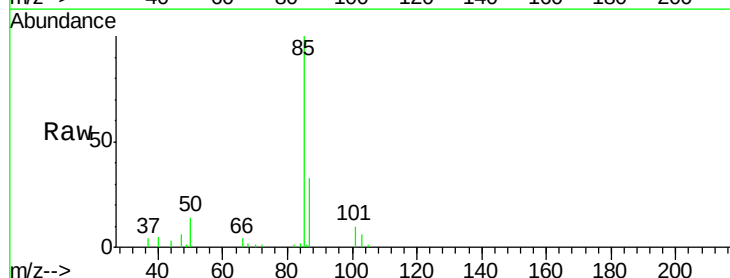
Acq: 18 Jun 2020 20:09

Tgt Ion: 85 Resp: 48995

Ion Ratio Lower Upper

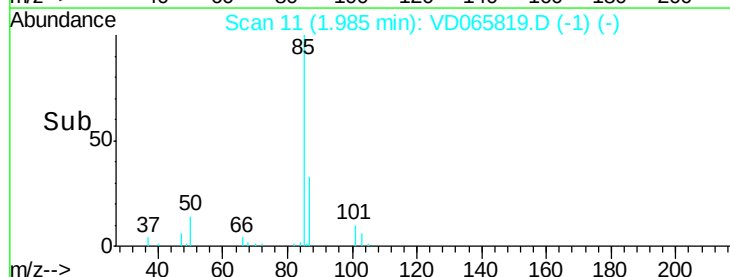
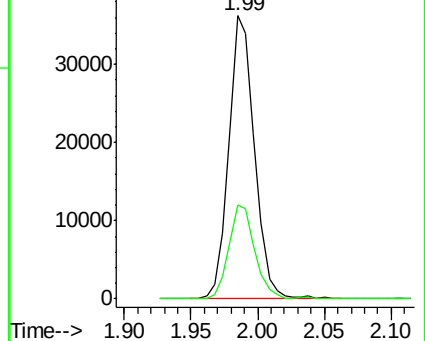
85 100

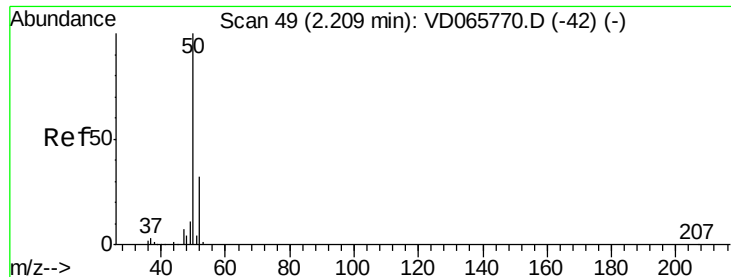
87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.197 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

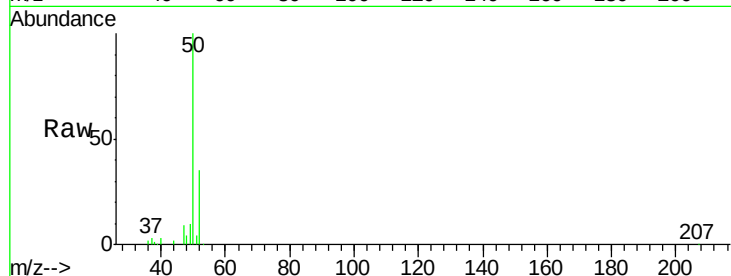
VSTDCCC050EC

Tot Ion: 50 Resp: 108230

Ion Ratio Lower Upper

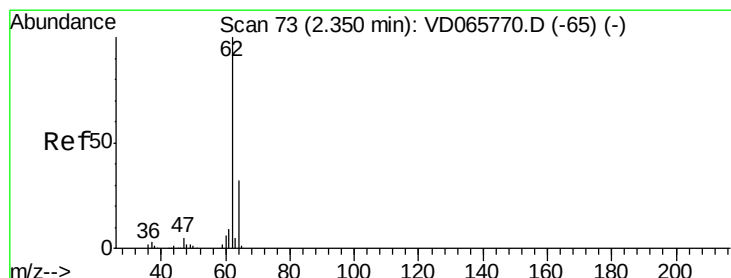
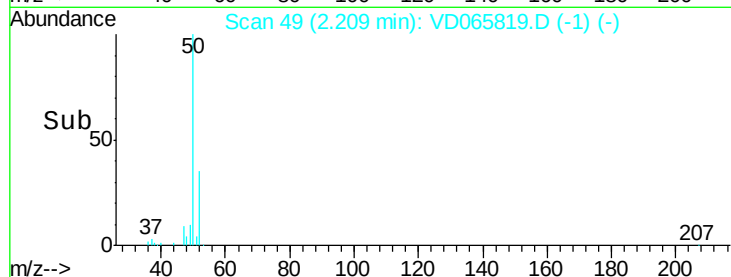
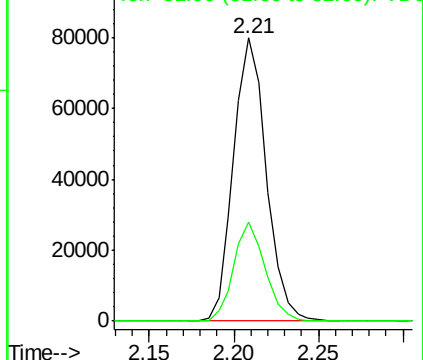
50 100

52 35.2 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.927 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065819.D

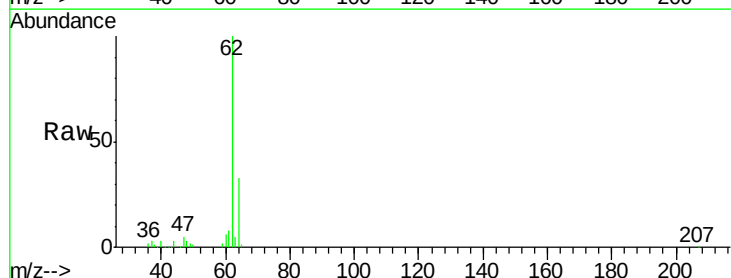
Acq: 18 Jun 2020 20:09

Tgt Ion: 62 Resp: 131011

Ion Ratio Lower Upper

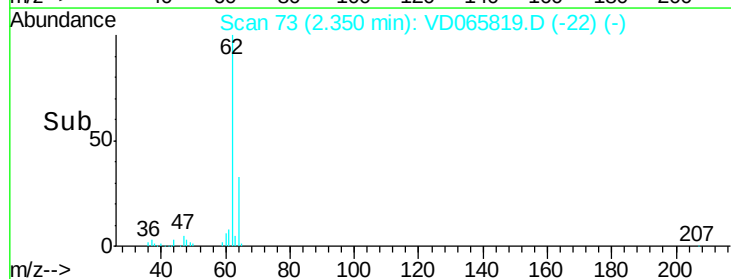
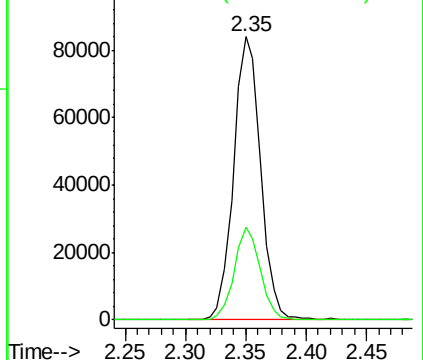
62 100

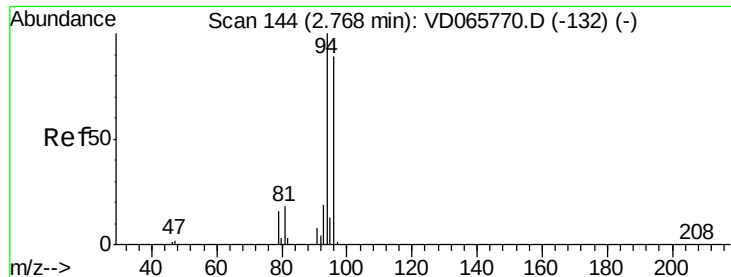
64 32.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.026 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

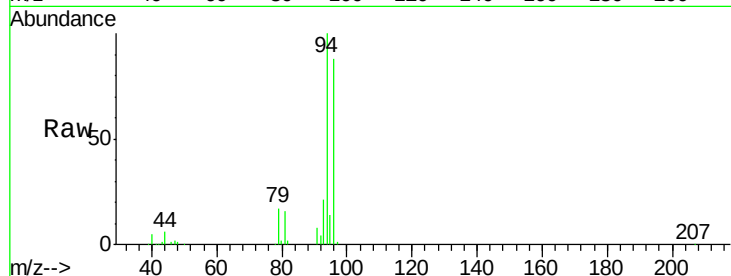
VSTDCCC050EC

Tot Ion: 94 Resp: 97673

Ion Ratio Lower Upper

94 100

96 87.8 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

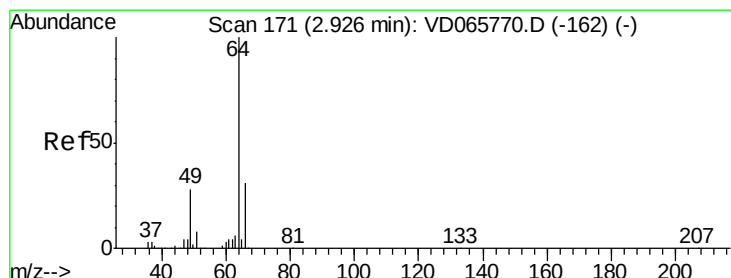
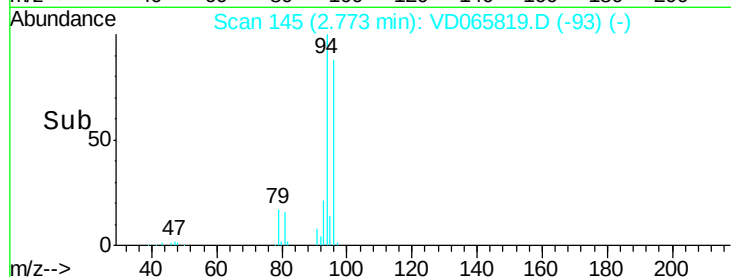
30000

20000

10000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 49.396 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065819.D

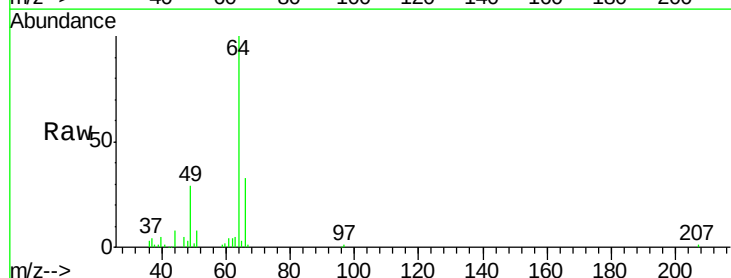
Acq: 18 Jun 2020 20:09

Tgt Ion: 64 Resp: 93245

Ion Ratio Lower Upper

64 100

66 32.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

50000

40000

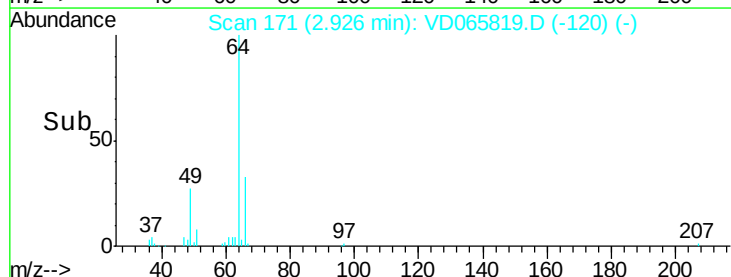
30000

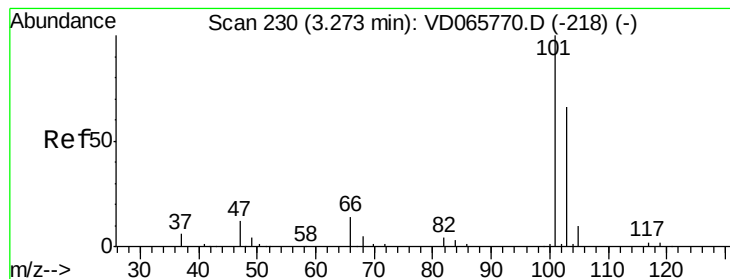
20000

10000

0

Time--> 2.80 2.90 3.00



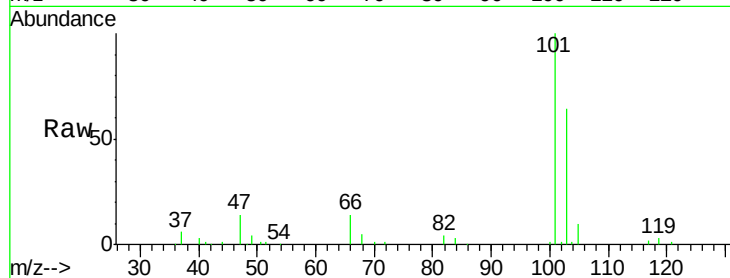


#7

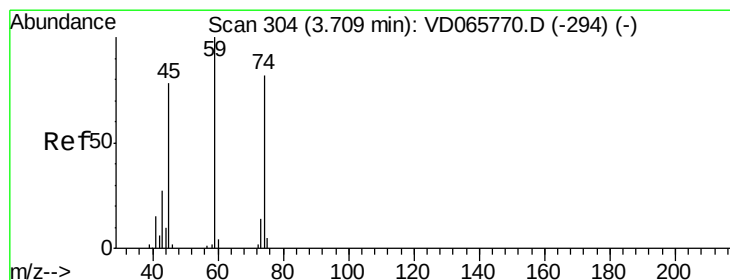
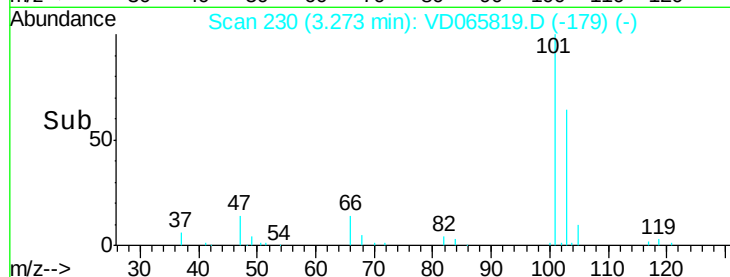
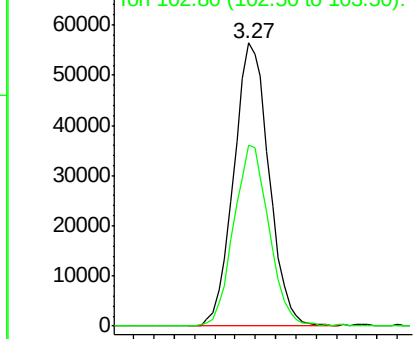
Trichlorofluoromethane
Concen: 42.941 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 135826
Ion Ratio Lower Upper
101 100
103 63.8 53.1 79.7



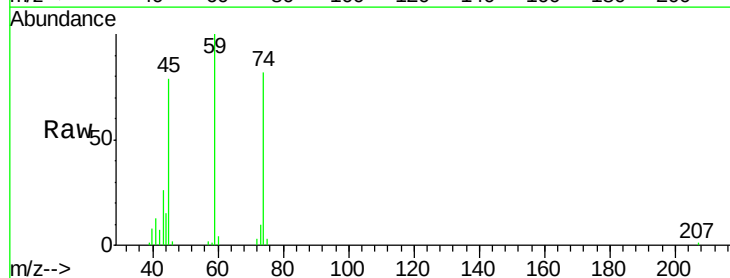
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



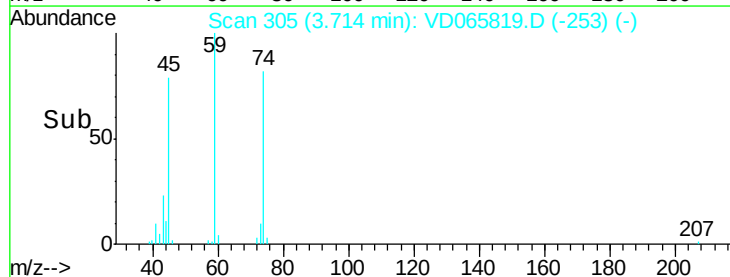
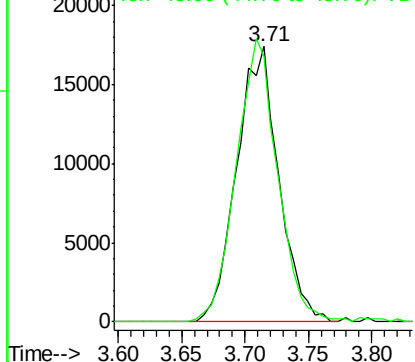
#8

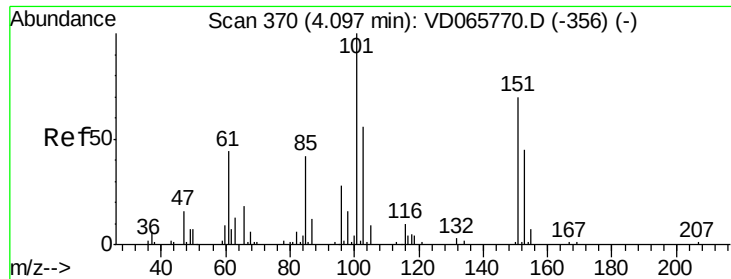
Diethyl Ether
Concen: 48.402 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 74 Resp: 40252
Ion Ratio Lower Upper
74 100
45 100.6 47.9 143.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.995 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

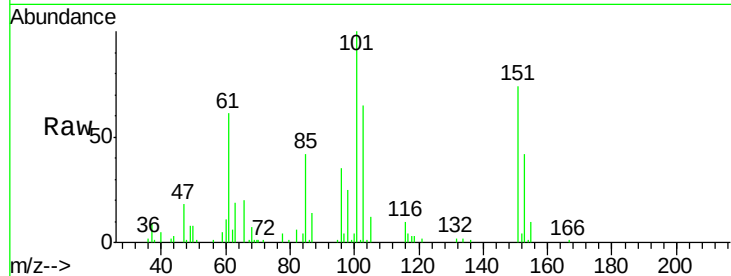
Tot Ion:101 Resp: 81093

Ion Ratio Lower Upper

101 100

85 47.1 36.5 54.7

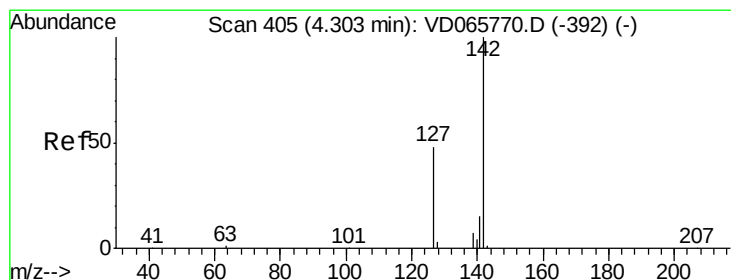
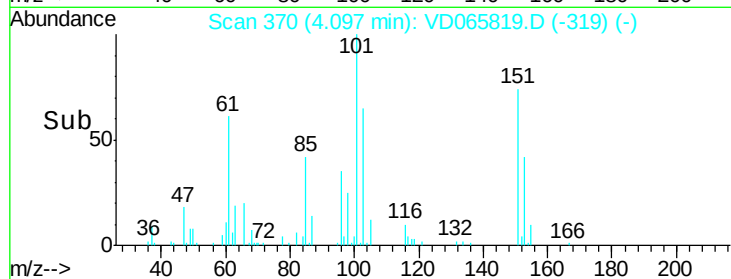
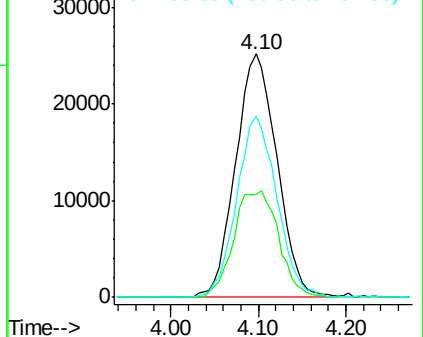
151 72.4 61.8 92.6



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: 43.497 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

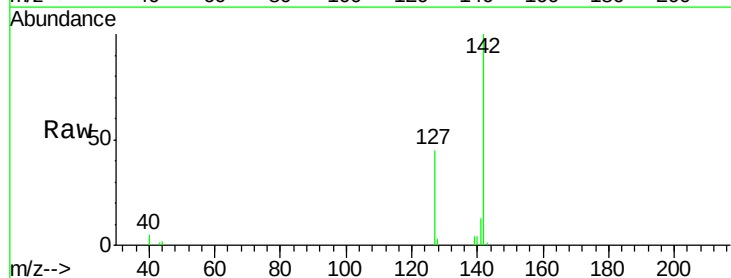
Tgt Ion:142 Resp: 79889

Ion Ratio Lower Upper

142 100

127 48.0 37.6 56.4

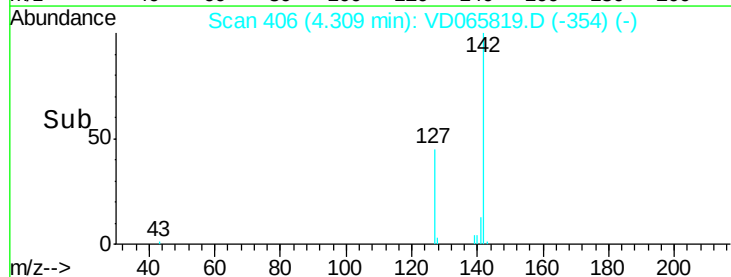
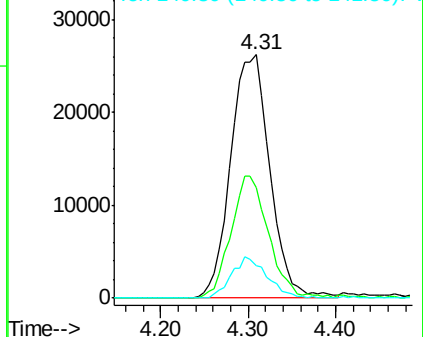
141 15.4 12.1 18.1

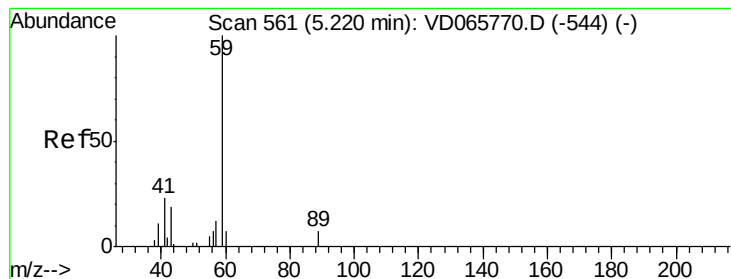


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 257.264 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

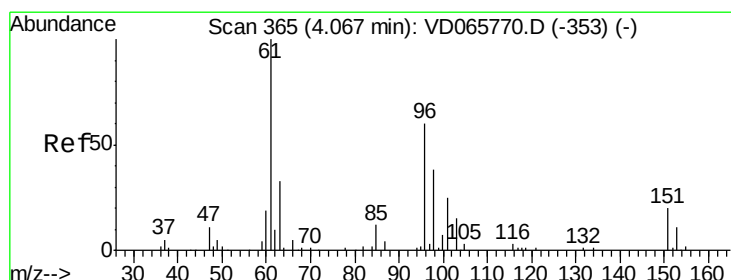
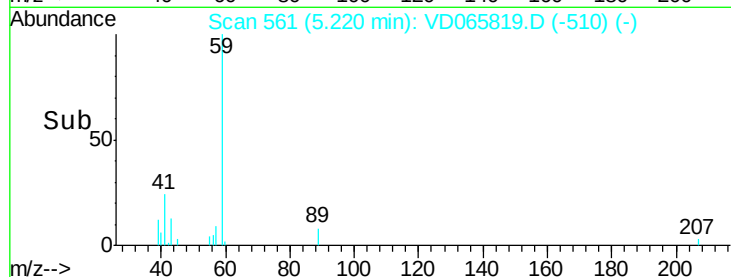
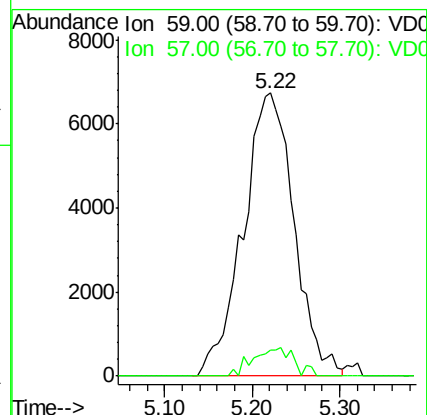
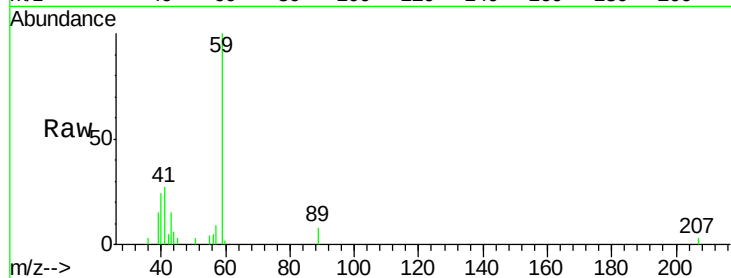
VSTDCCC050EC

Tot Ion: 59 Resp: 26855

Ion Ratio Lower Upper

59 100

57 7.4 7.5 11.3#



#12

1,1-Dichloroethene

Concen: 43.762 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

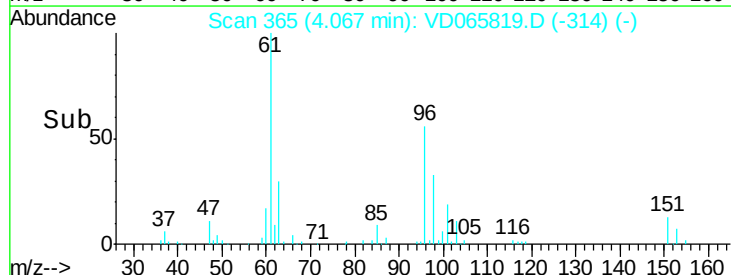
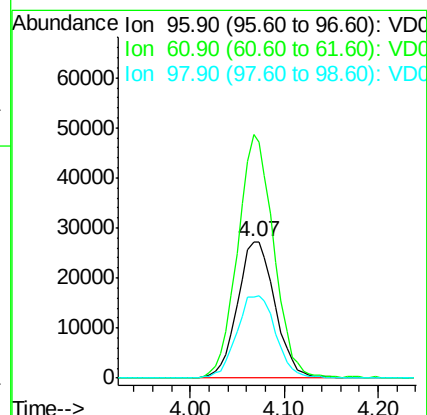
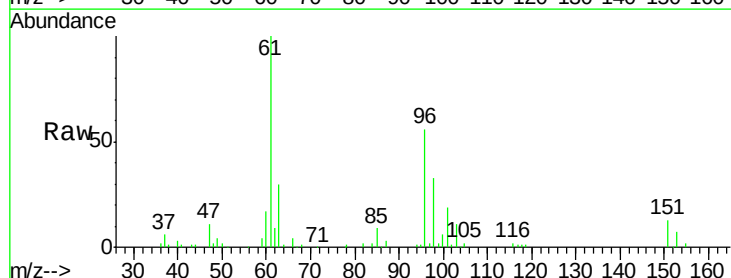
Tgt Ion: 96 Resp: 75229

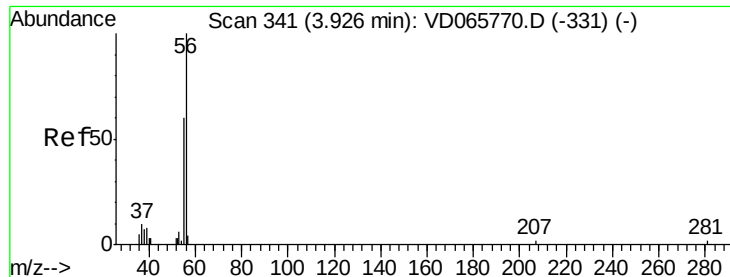
Ion Ratio Lower Upper

96 100

61 178.7 132.3 198.5

98 59.4 50.7 76.1





#13

Acrolein

Concen: 211.749 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

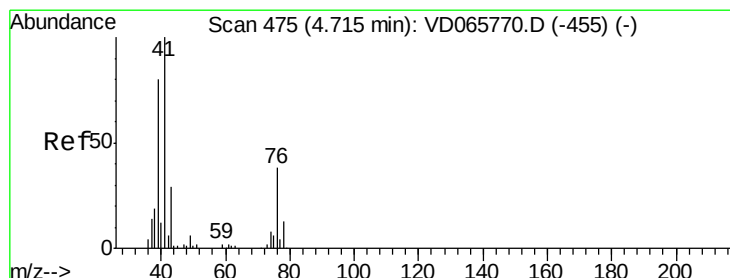
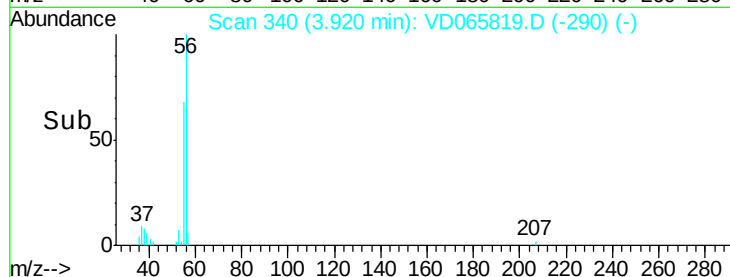
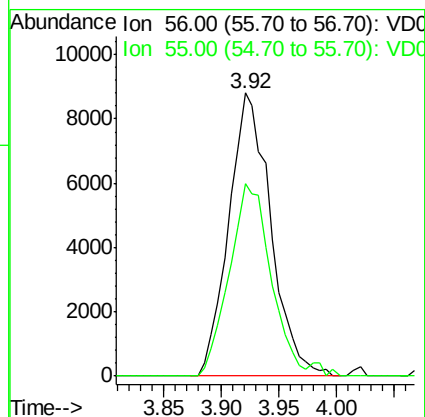
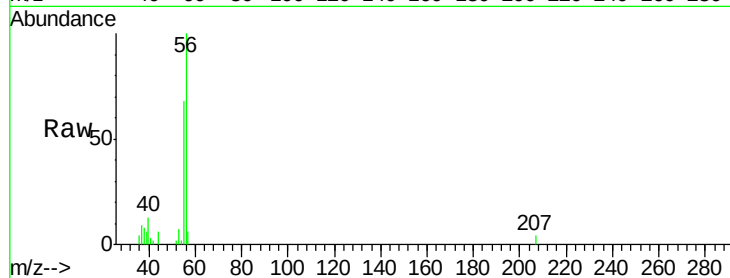
VSTDCCC050EC

Tot Ion: 56 Resp: 22239

Ion Ratio Lower Upper

56 100

55 66.8 54.8 82.2



#14

Allyl chloride

Concen: 47.378 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

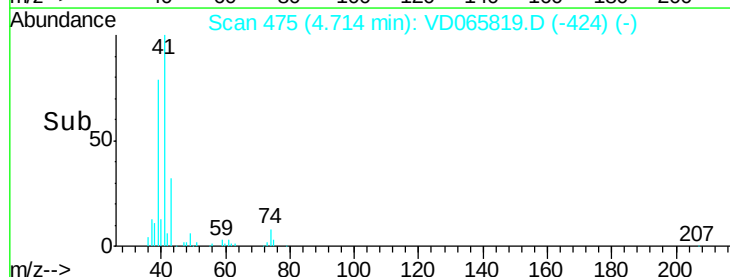
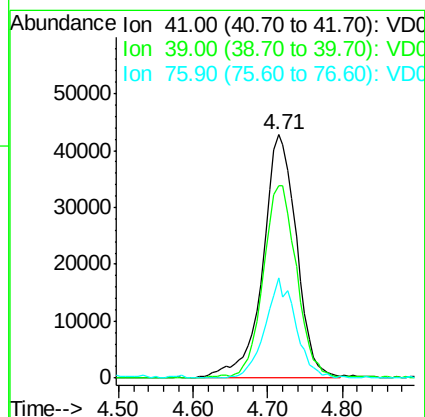
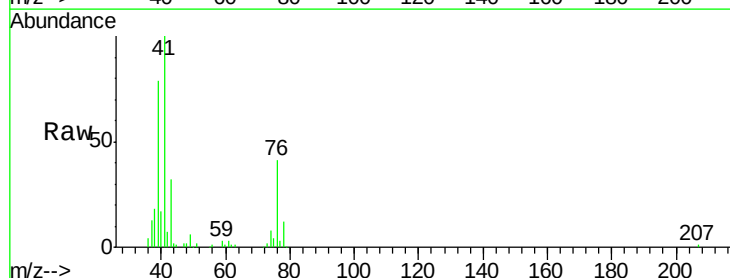
Tgt Ion: 41 Resp: 134611

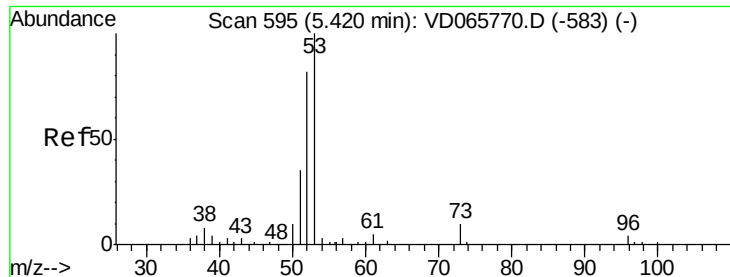
Ion Ratio Lower Upper

41 100

39 79.1 60.9 91.3

76 37.0 28.9 43.3





#15

Acrylonitrile

Concen: 263.293 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

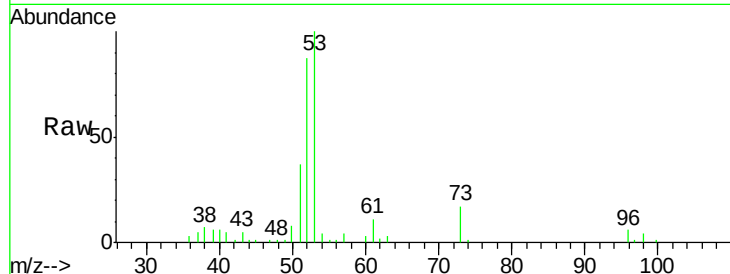
Tot Ion: 53 Resp: 99448

Ion Ratio Lower Upper

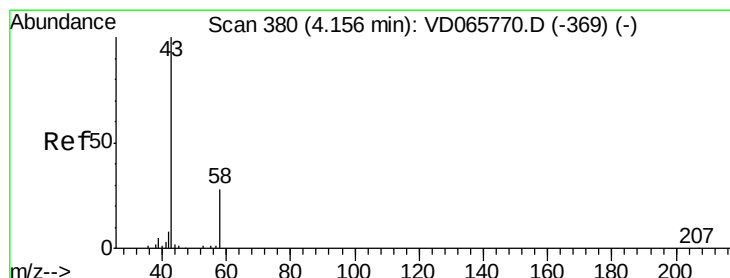
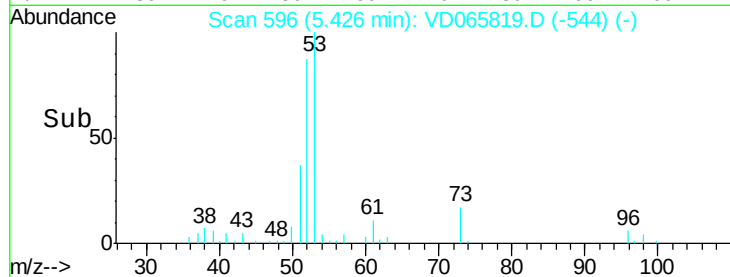
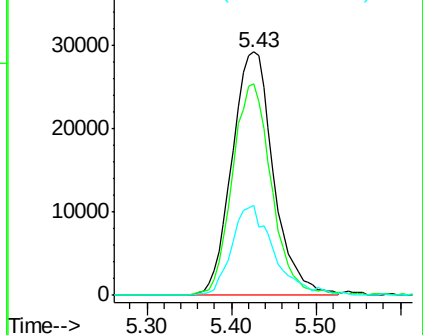
53 100

52 82.5 66.2 99.2

51 36.4 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 231.243 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065819.D

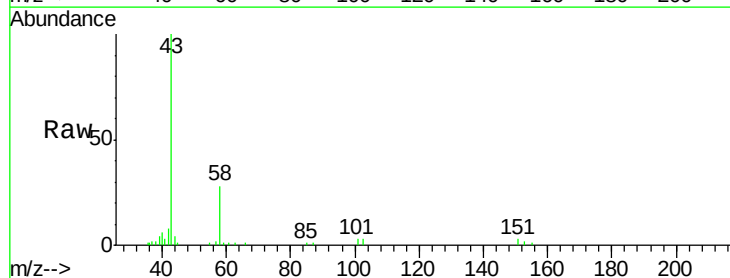
Acq: 18 Jun 2020 20:09

Tgt Ion: 43 Resp: 81562

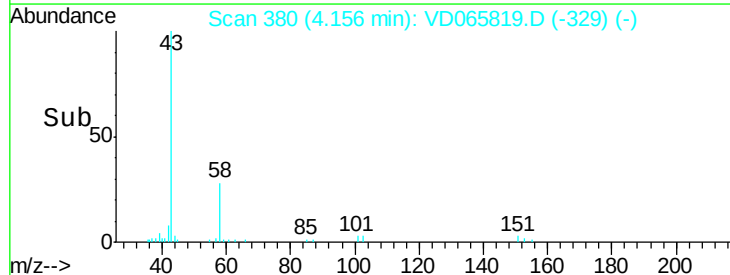
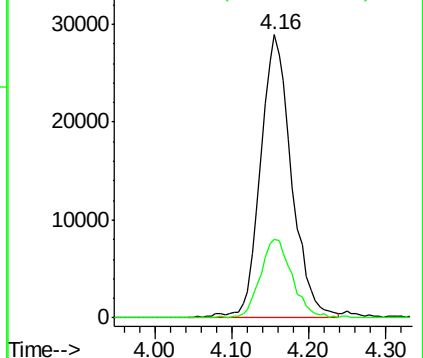
Ion Ratio Lower Upper

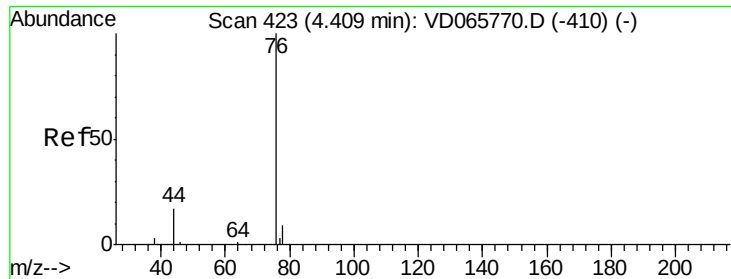
43 100

58 27.8 22.3 33.5



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





#17

Carbon Disulfide

Concen: 42.857 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

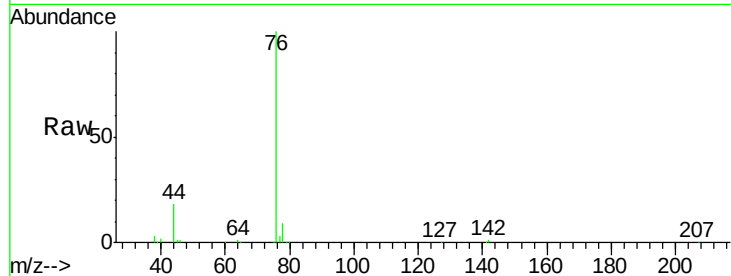
VSTDCCC050EC

Tot Ion: 76 Resp: 247275

Ion Ratio Lower Upper

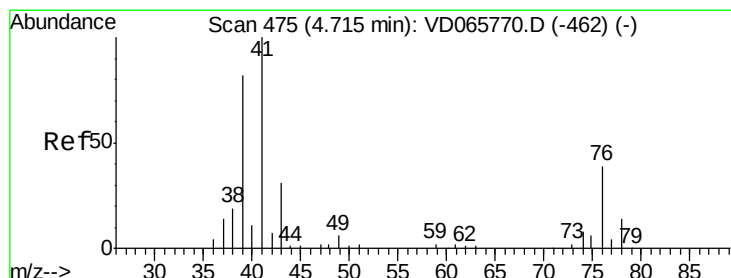
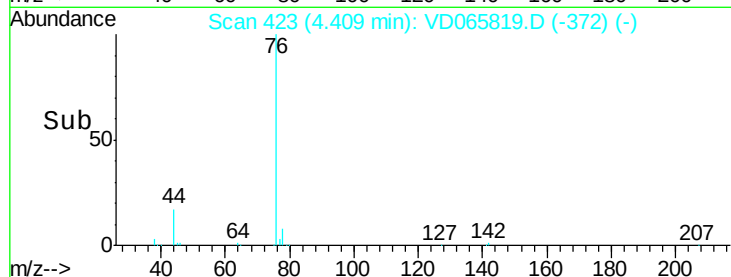
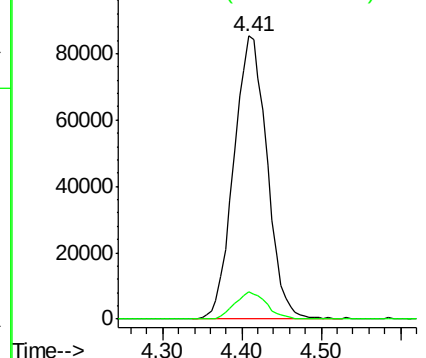
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 54.127 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065819.D

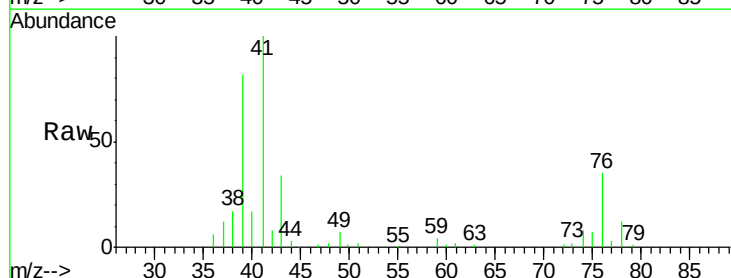
Acq: 18 Jun 2020 20:09

Tgt Ion: 43 Resp: 42823

Ion Ratio Lower Upper

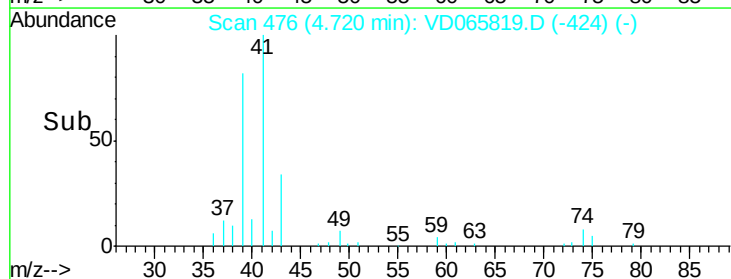
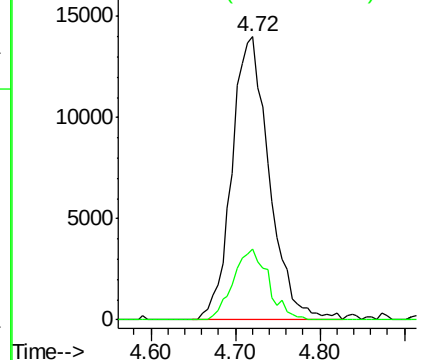
43 100

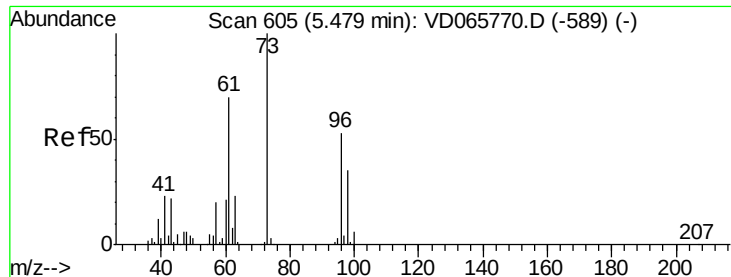
74 23.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

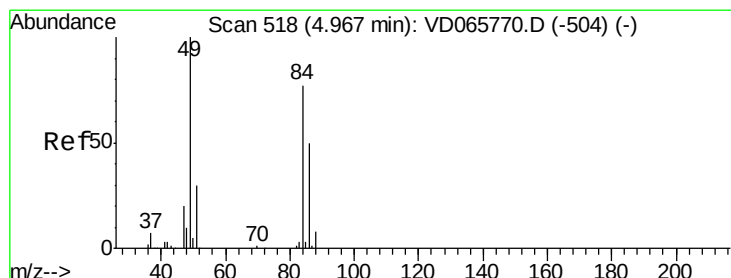
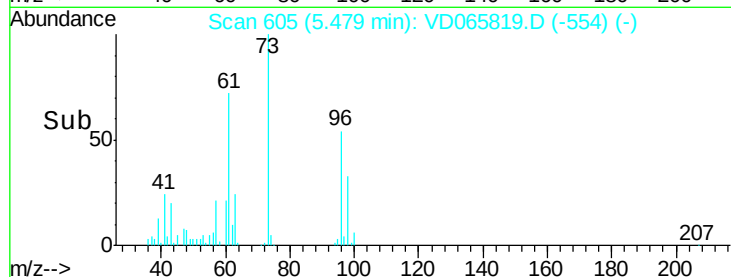
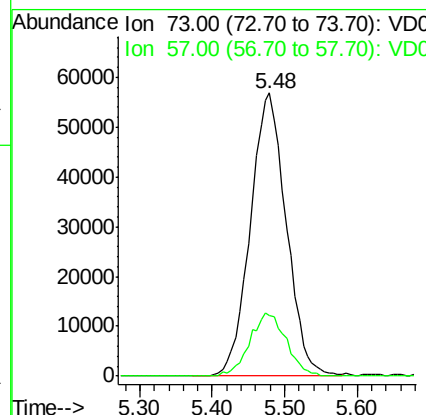
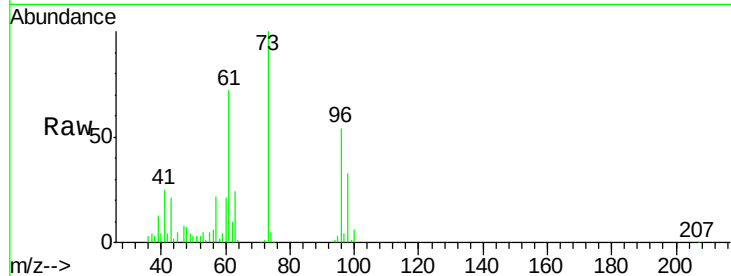




#19
Methvl tert-butyl Ether
Concen: 50.224 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

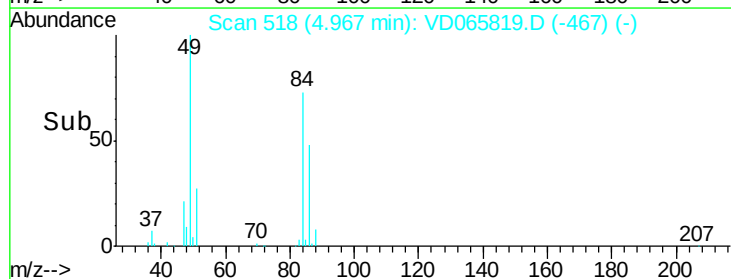
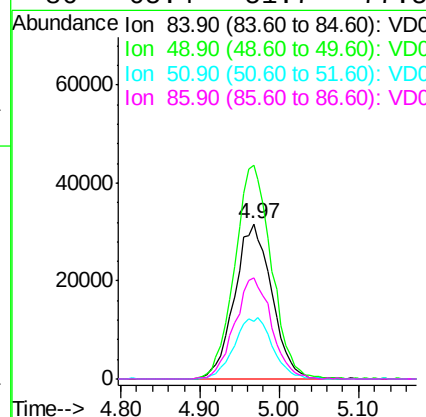
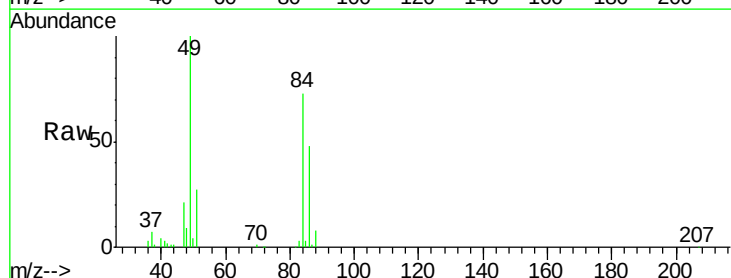
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

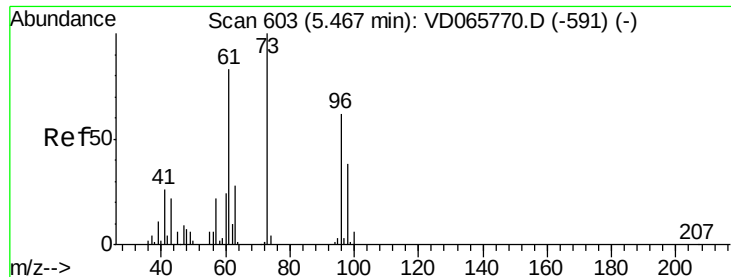
Tot Ion: 73 Resp: 195562
Ion Ratio Lower Upper
73 100
57 21.6 16.2 24.2



#20
Methylene Chloride
Concen: 55.323 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 84 Resp: 102741
Ion Ratio Lower Upper
84 100
49 137.5 103.4 155.0
51 36.8 31.4 47.2
86 65.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 46.488 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

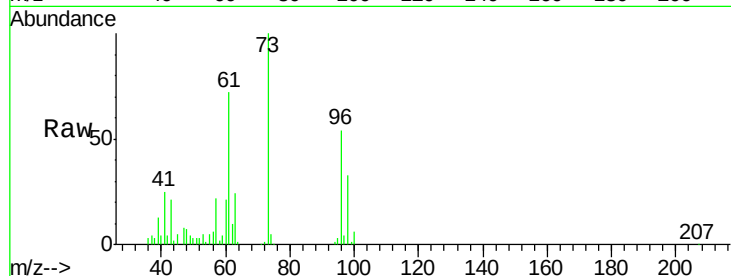
Tot Ion: 96 Resp: 93591

Ion Ratio Lower Upper

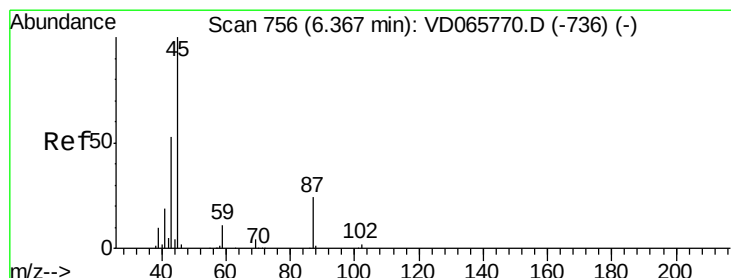
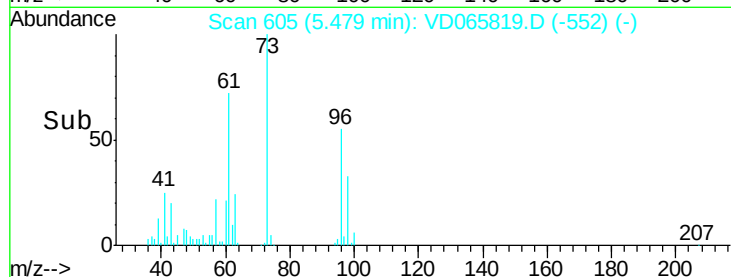
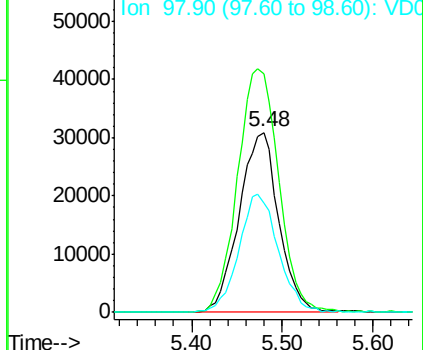
96 100

61 132.7 107.7 161.5

98 61.0 49.3 73.9



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



#22

Diisopropyl ether

Concen: 53.989 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Tgt Ion: 45 Resp: 309943

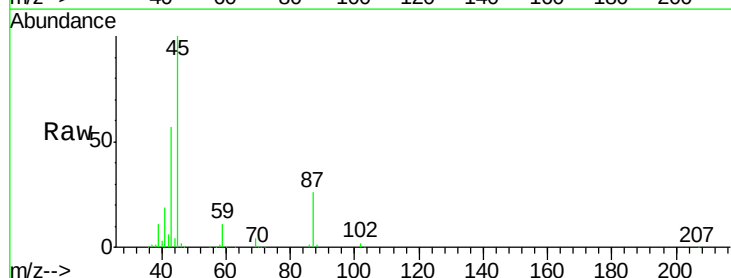
Ion Ratio Lower Upper

45 100

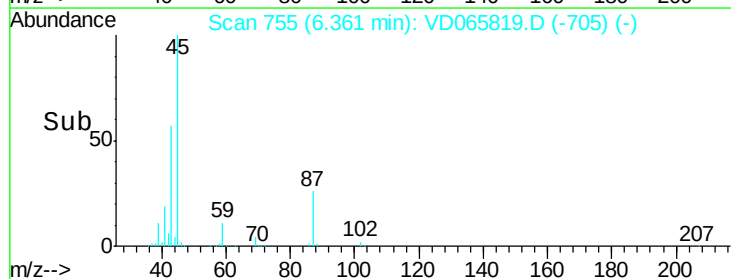
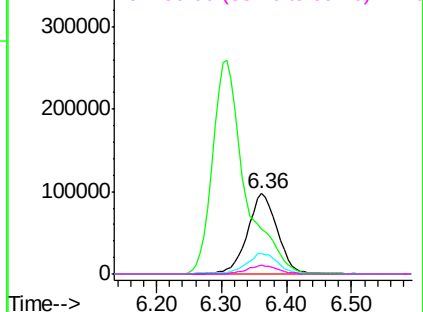
43 55.5 43.4 65.0

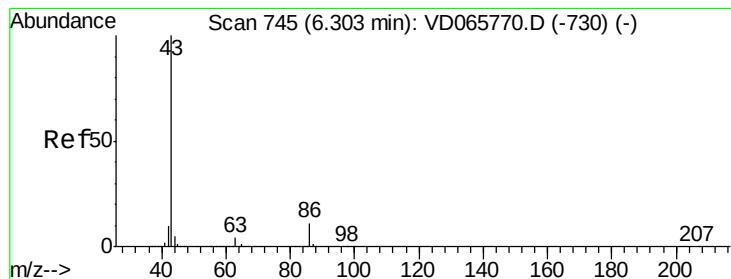
87 25.7 20.2 30.4

59 11.2 9.4 14.0



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





#23

Vinyl Acetate

Concen: 274.646 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

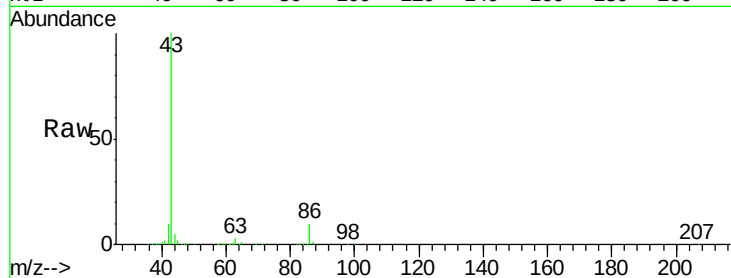
VSTDCCC050EC

Tot Ion: 43 Resp: 890338

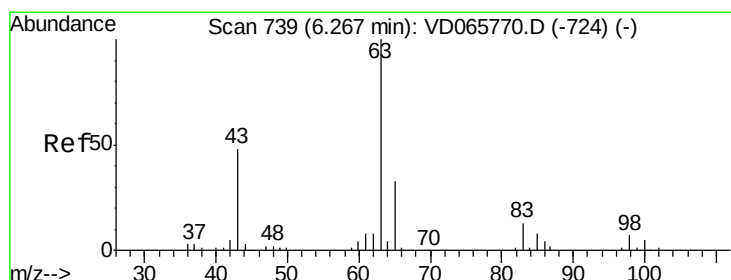
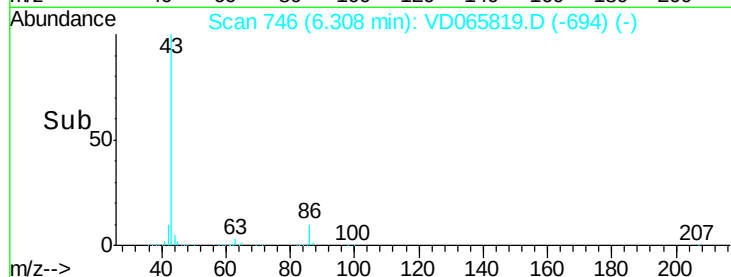
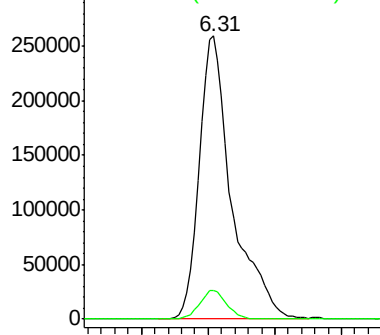
Ion Ratio Lower Upper

43 100

86 10.2 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: 48.778 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

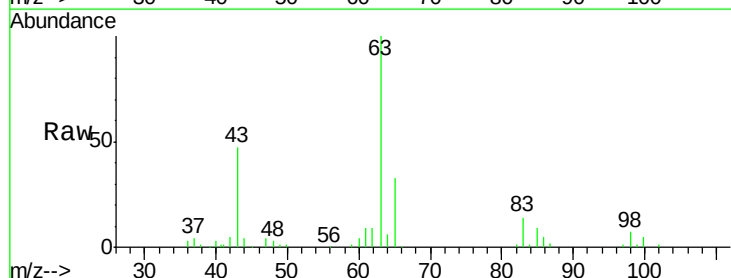
Tgt Ion: 63 Resp: 170620

Ion Ratio Lower Upper

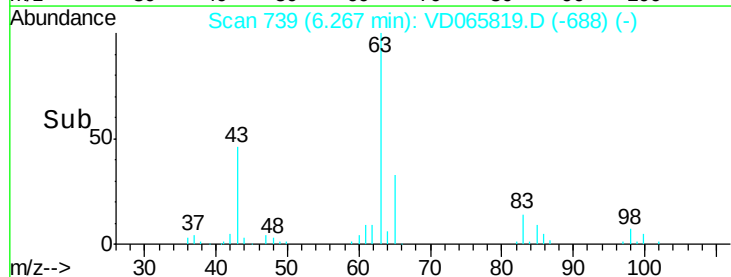
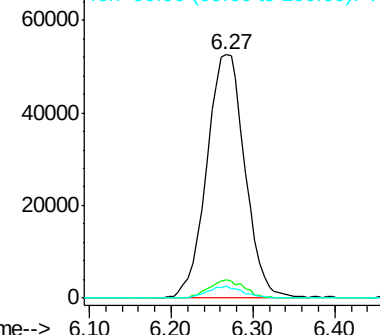
63 100

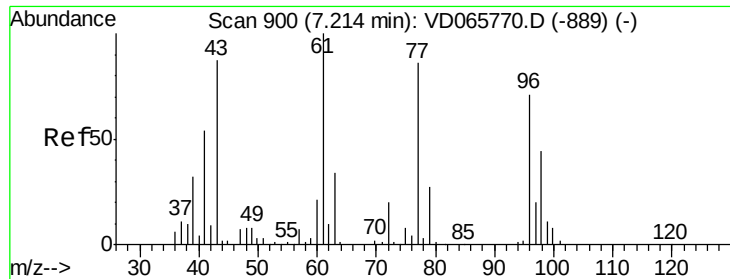
98 7.3 3.5 10.5

100 5.1 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: 251.460 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

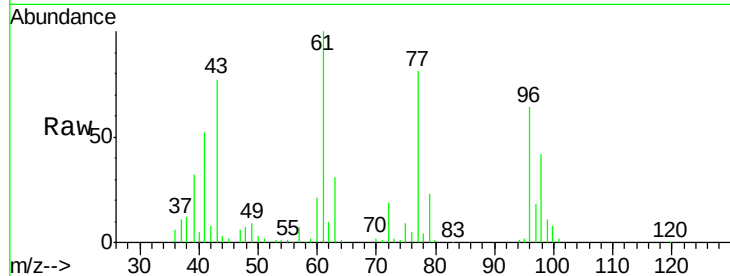
VSTDCCC050EC

Tot Ion: 43 Resp: 122490

Ion Ratio Lower Upper

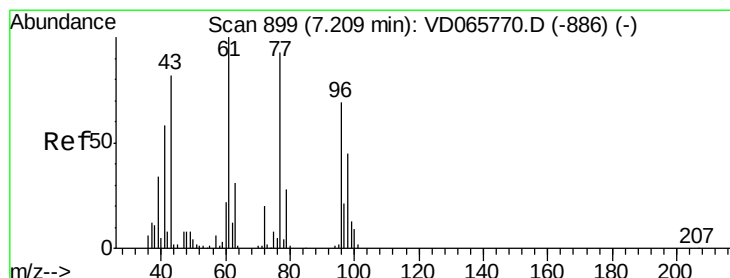
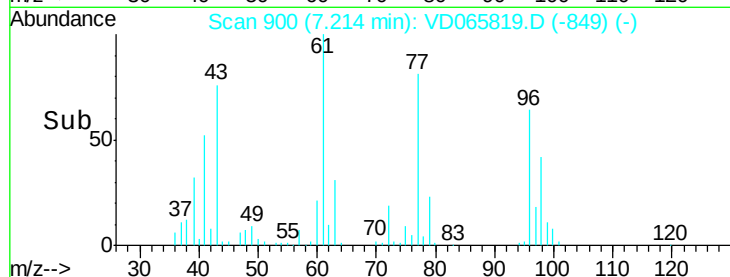
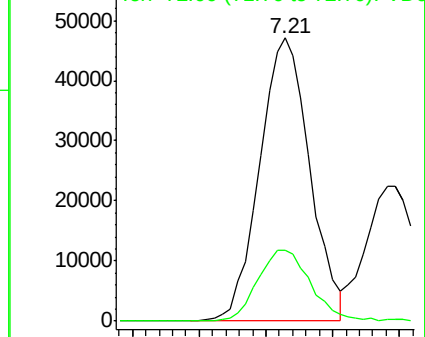
43 100

72 25.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.002 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065819.D

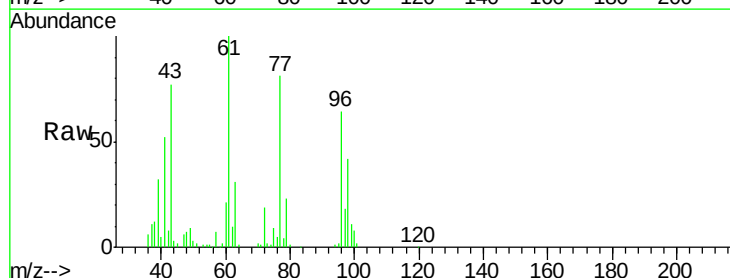
Acq: 18 Jun 2020 20:09

Tgt Ion: 77 Resp: 142675

Ion Ratio Lower Upper

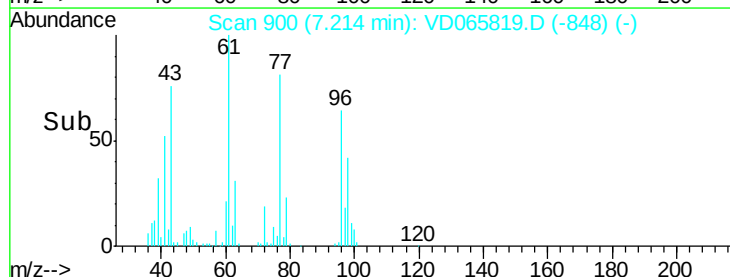
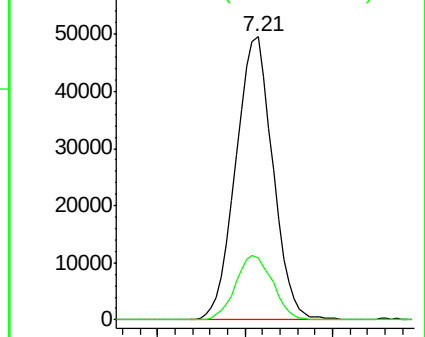
77 100

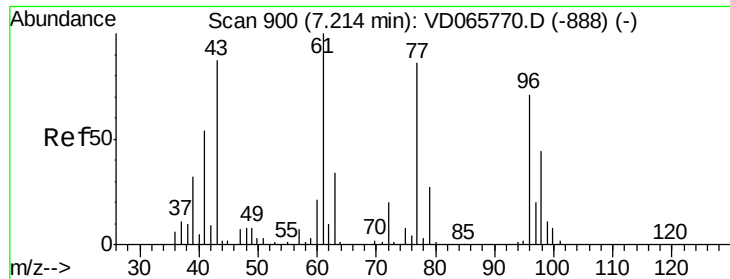
97 22.9 10.9 32.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

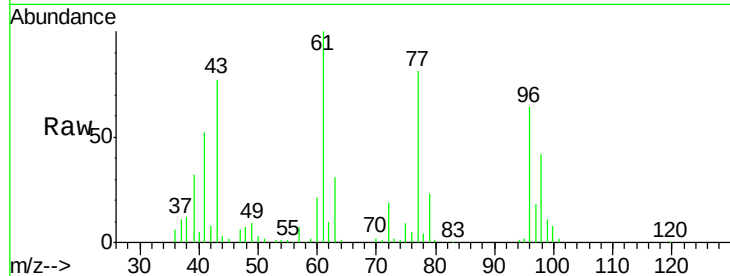




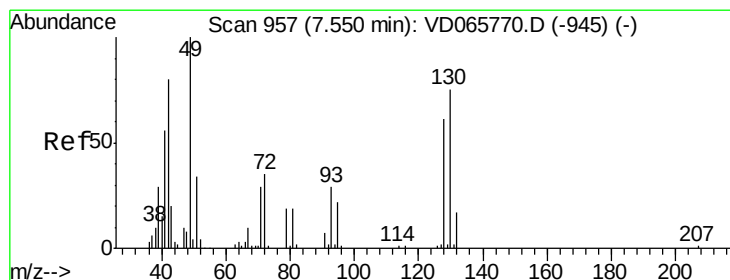
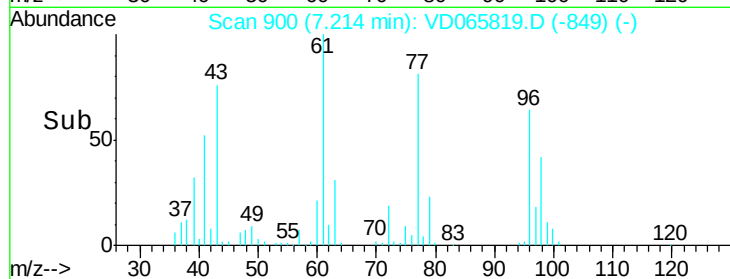
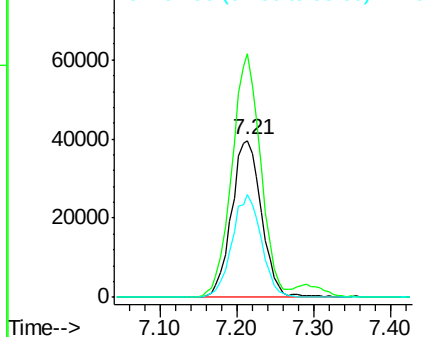
#27
 cis-1,2-Dichloroethene
 Concen: 49.872 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 108003
 Ion Ratio Lower Upper
 96 100
 61 149.1 0.0 291.2
 98 63.6 0.0 128.8

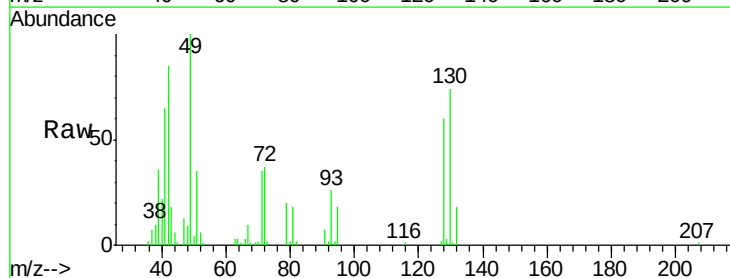


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC

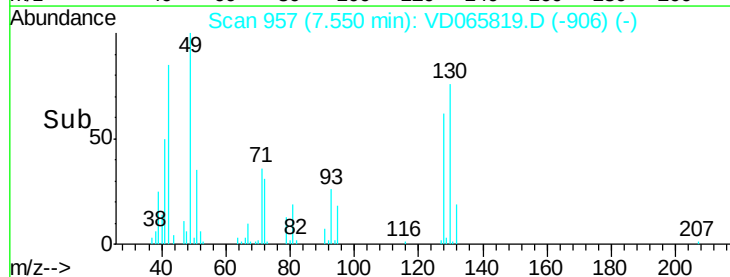
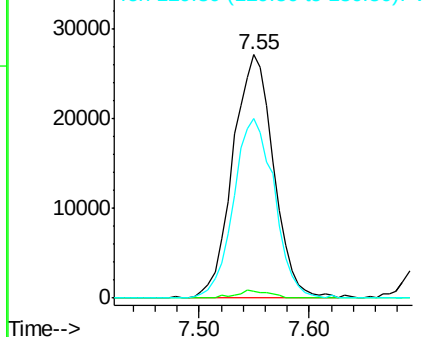


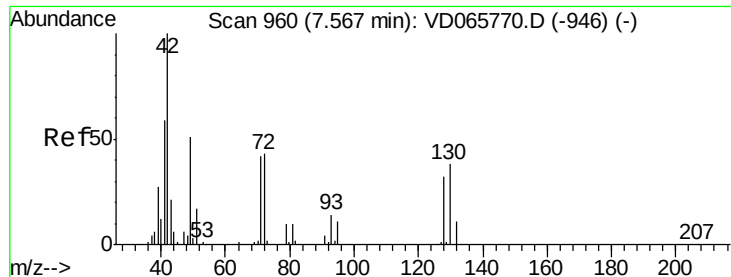
#28
 Bromochloromethane
 Concen: 51.896 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion: 49 Resp: 70109
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.6
 130 73.7 59.5 89.3



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

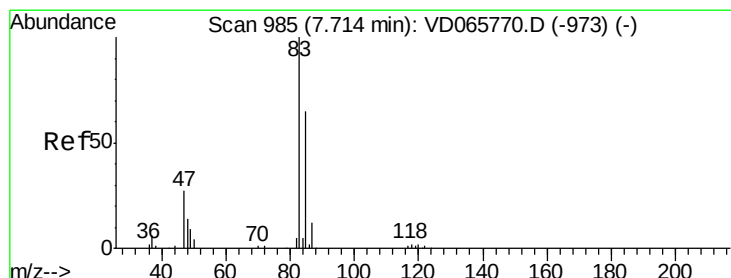
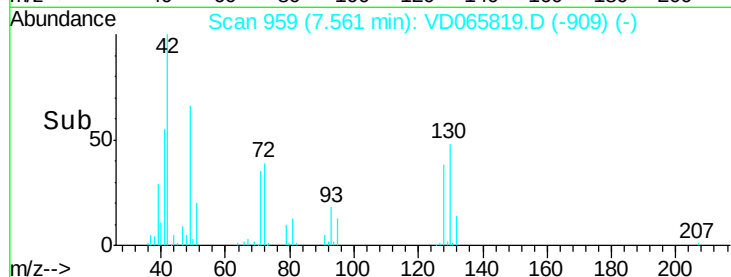
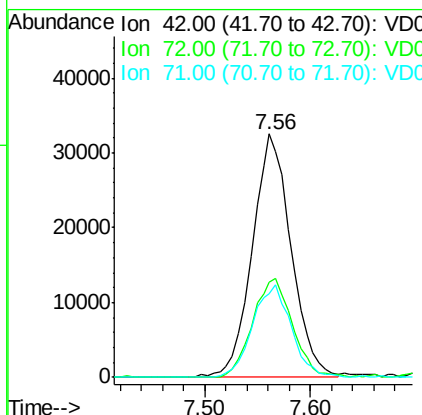
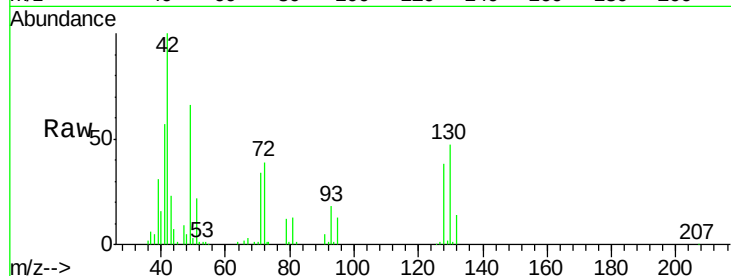




#29
Tetrahydrofuran
Concen: 269.201 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

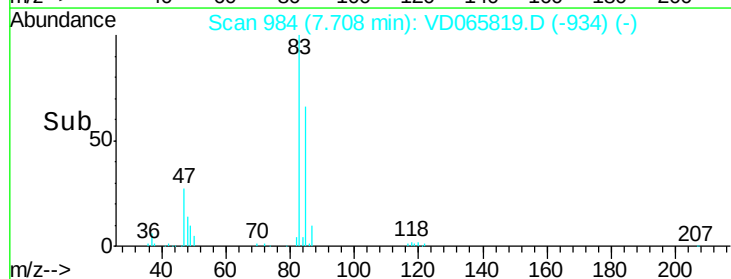
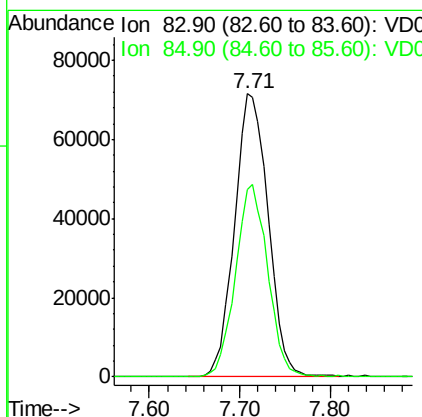
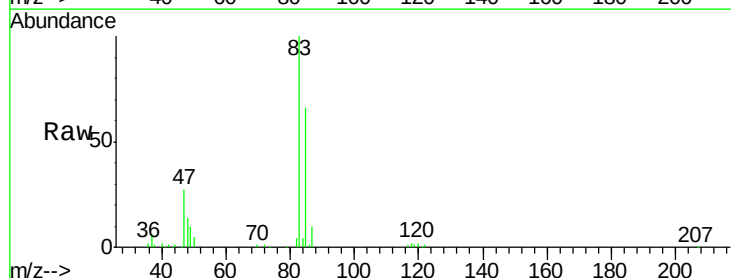
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

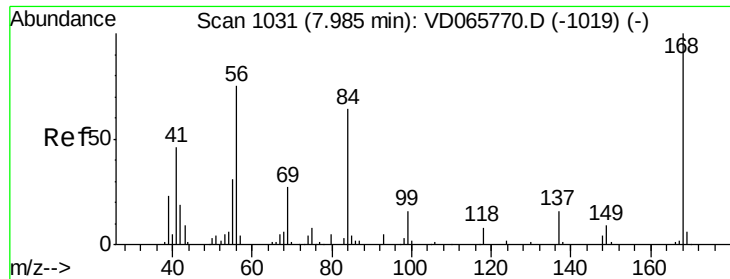
Tot Ion: 42 Resp: 82878
Ion Ratio Lower Upper
42 100
72 41.8 34.9 52.3
71 37.9 31.2 46.8



#30
Chloroform
Concen: 50.957 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 83 Resp: 184748
Ion Ratio Lower Upper
83 100
85 66.1 51.9 77.9

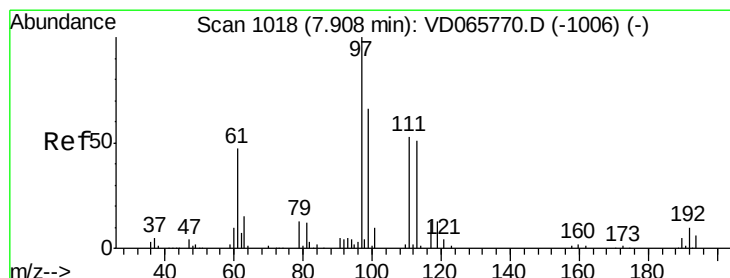
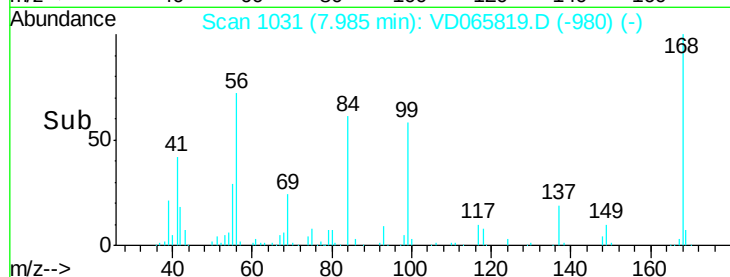
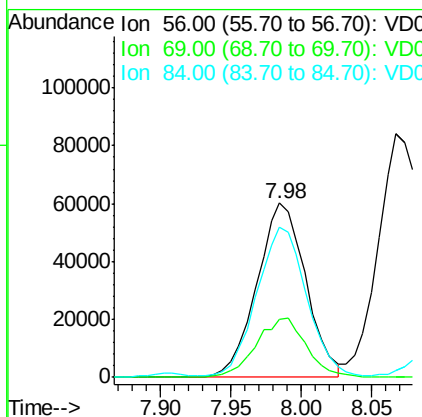
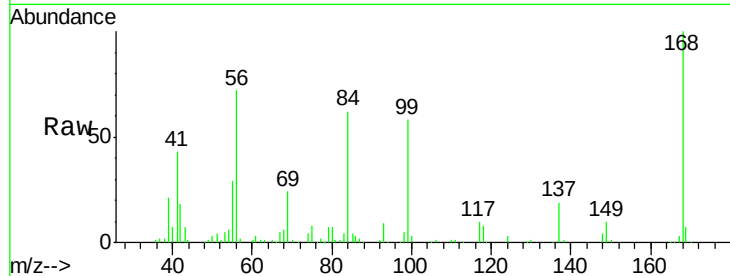




#31
Cyclohexane
Concen: 43.382 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

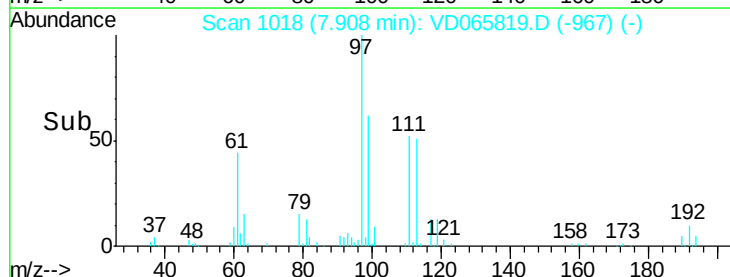
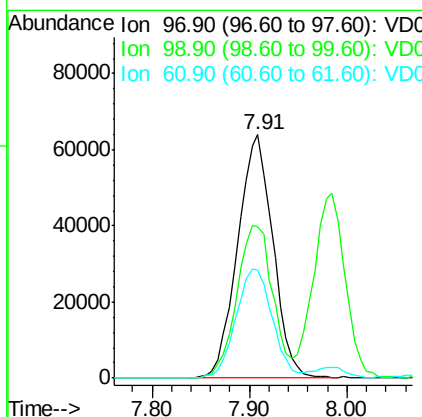
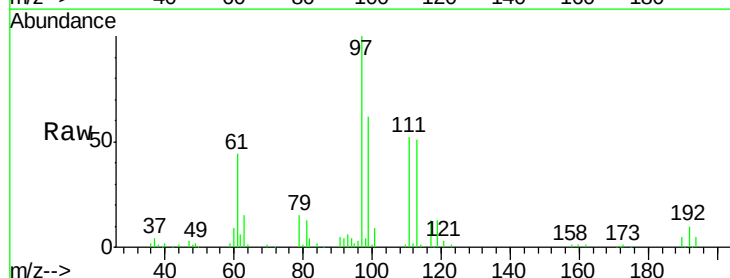
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

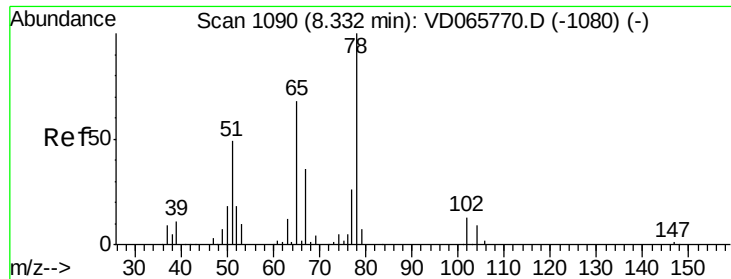
Tot Ion: 56 Resp: 145472
Ion Ratio Lower Upper
56 100
69 33.3 28.5 42.7
84 84.9 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 48.259 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 97 Resp: 160884
Ion Ratio Lower Upper
97 100
99 64.0 49.2 73.8
61 46.2 36.0 54.0

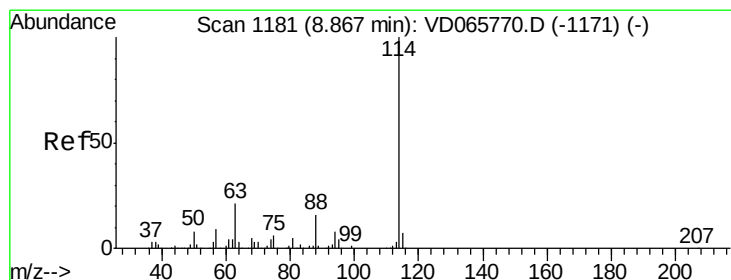
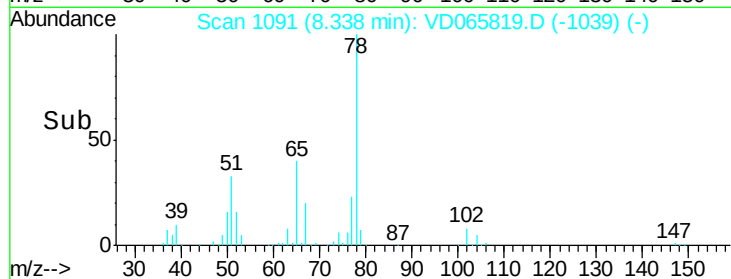
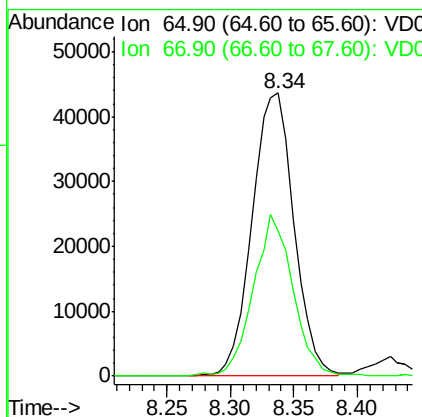
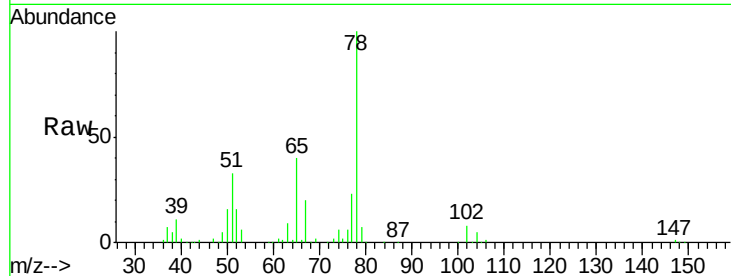




#33
 1,2-Dichloroethane-d4
 Concen: 53.656 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

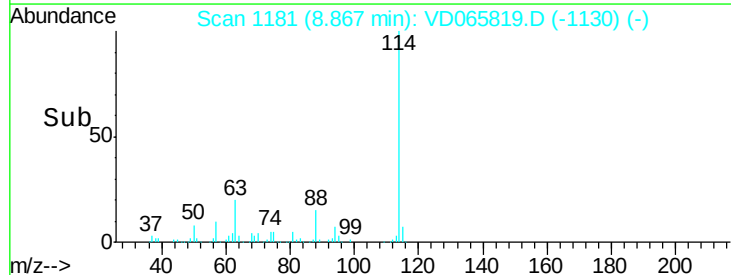
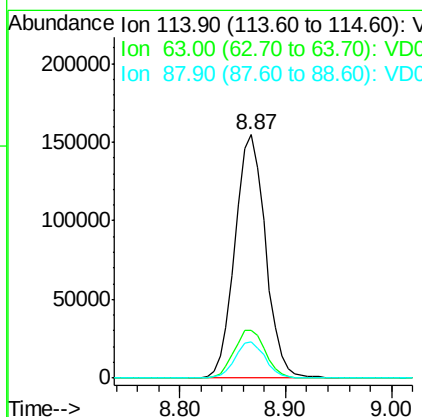
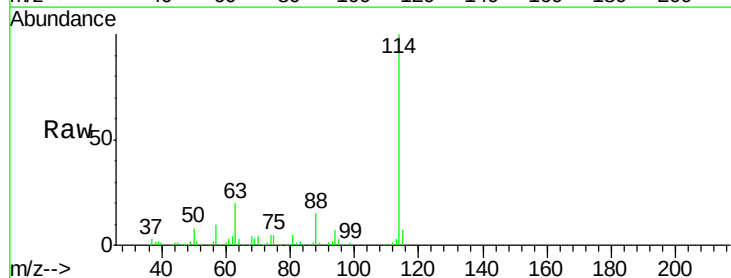
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

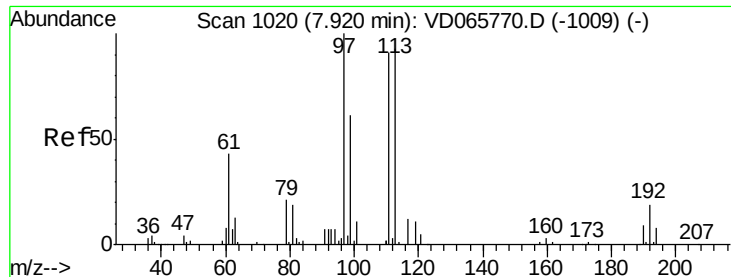
Tot Ion: 65 Resp: 100328
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion: 114 Resp: 310048
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.8
 88 15.1 0.0 32.0

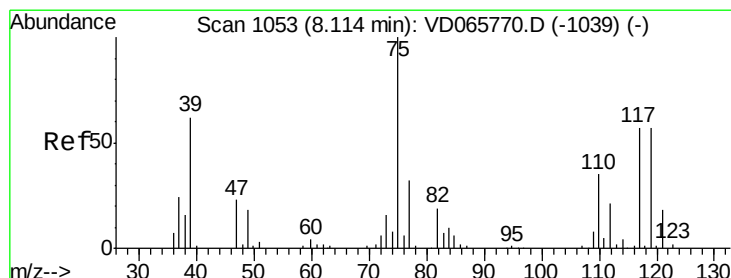
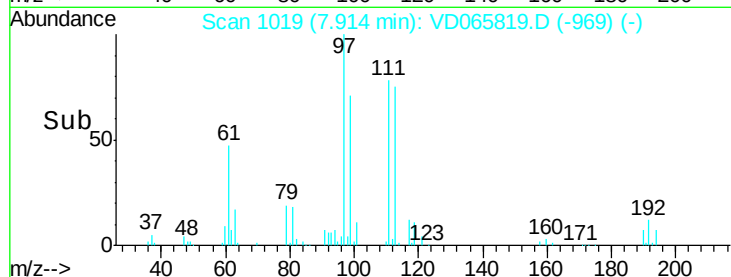
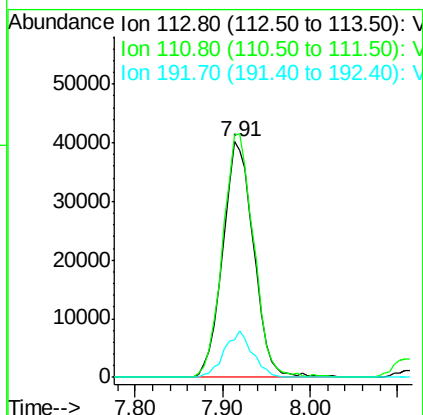
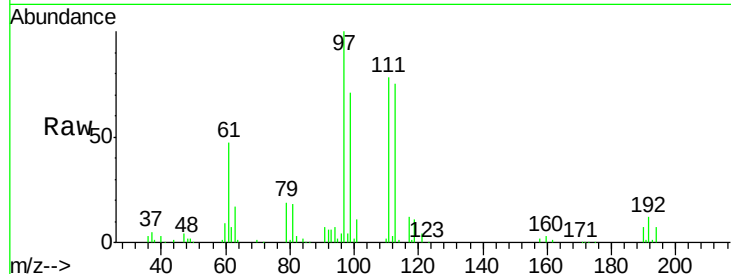




#35
 Dibromofluoromethane
 Concen: 49.550 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

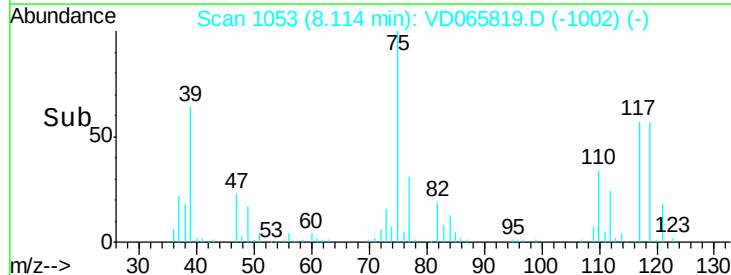
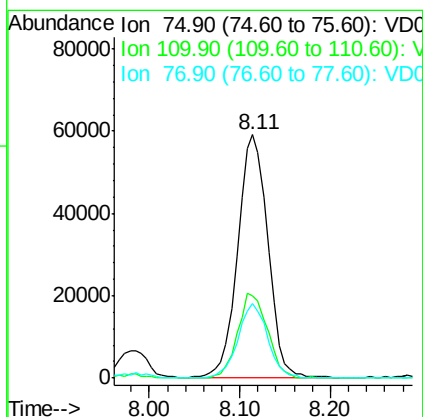
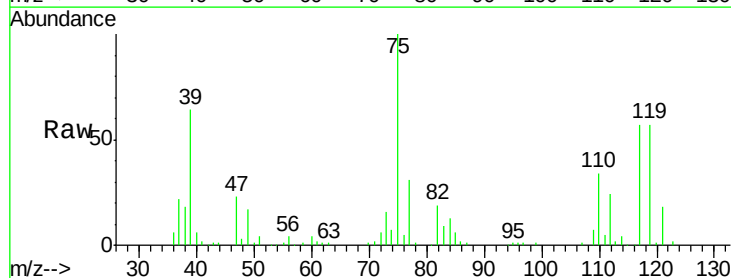
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

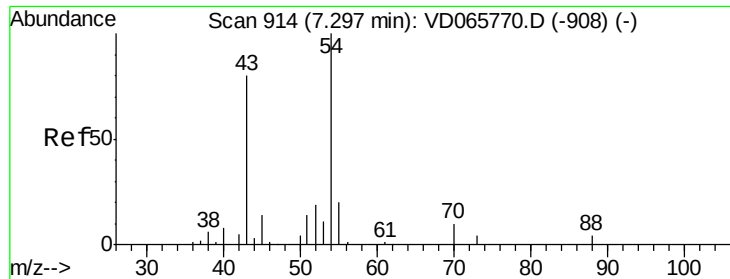
Tot Ion:113 Resp: 97041
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.0
 192 17.9 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 46.175 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion: 75 Resp: 137142
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.6 52.8
 77 30.2 25.1 37.7

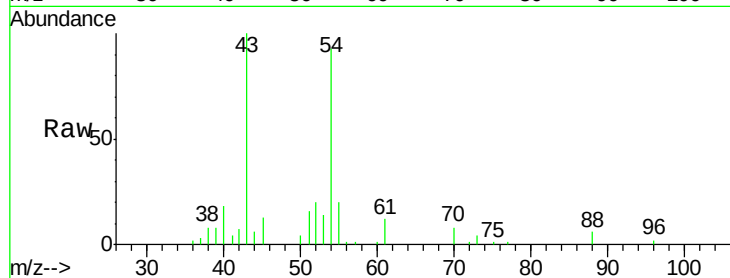




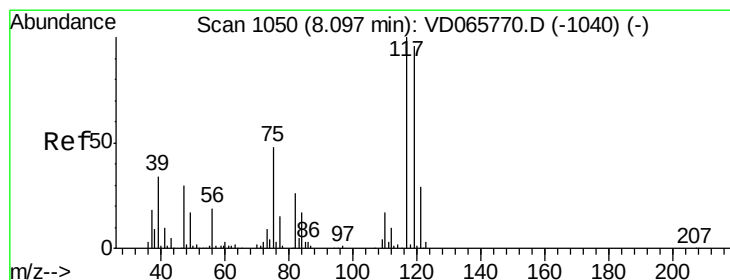
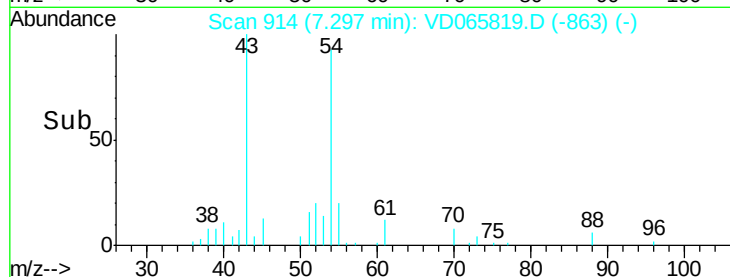
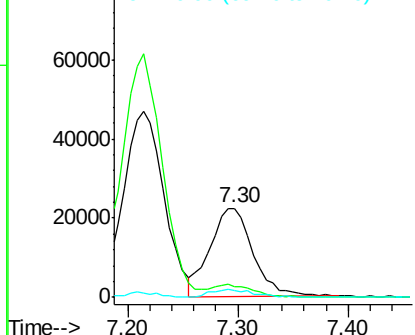
#37
Ethyl Acetate
Concen: 51.565 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 60324
Ion Ratio Lower Upper
43 100
61 13.0 10.6 15.8
70 9.0 7.5 11.3

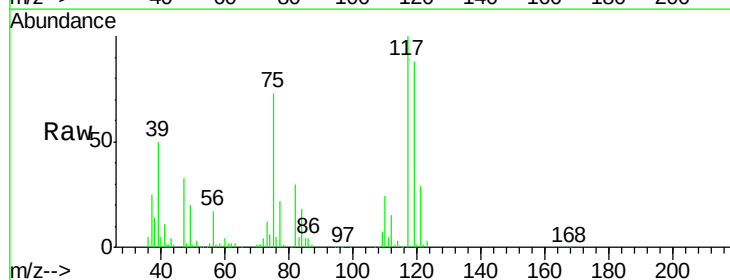


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

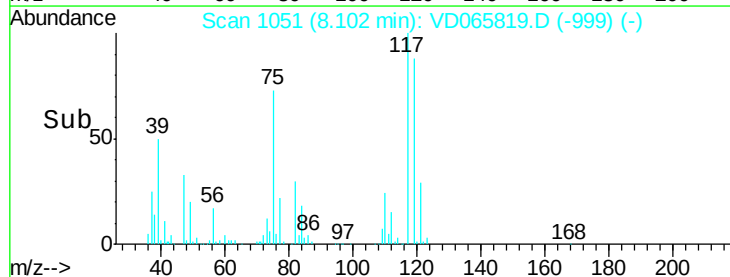
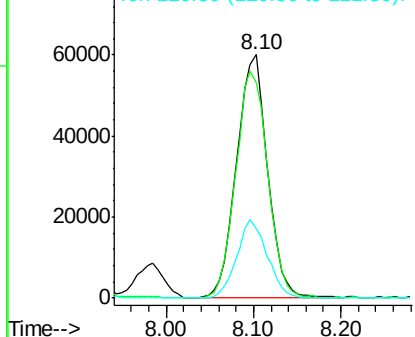


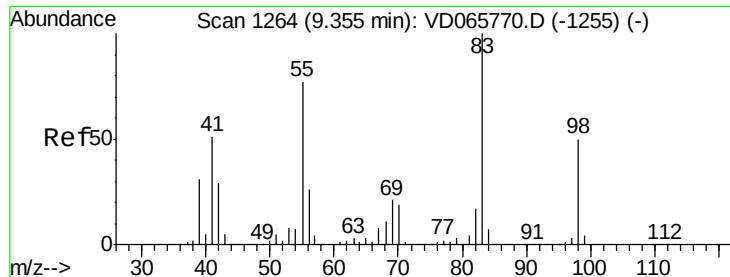
#38
Carbon Tetrachloride
Concen: 46.119 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 117 Resp: 144154
Ion Ratio Lower Upper
117 100
119 88.4 76.8 115.2
121 28.8 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

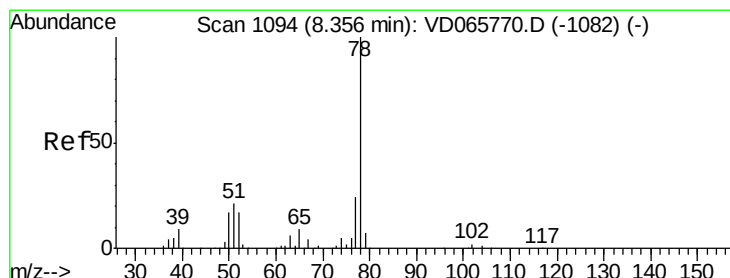
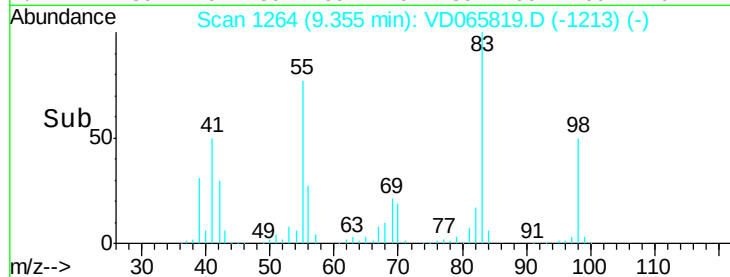
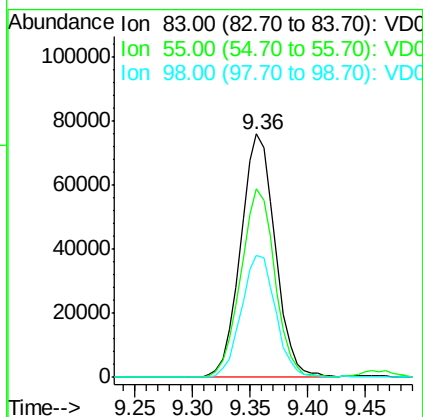
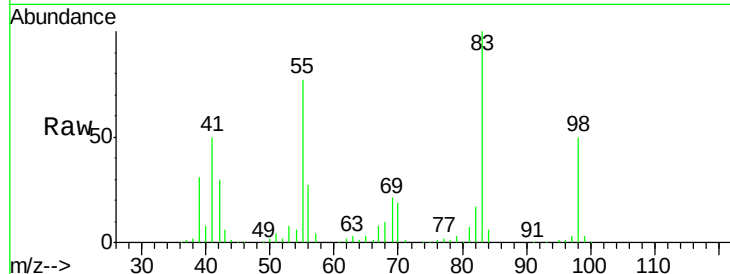




#39
Methylvlcyclohexane
Concen: 44.889 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

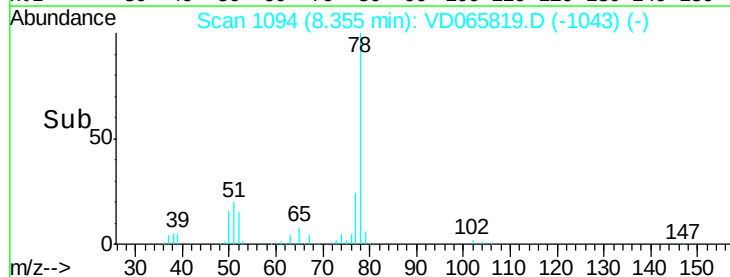
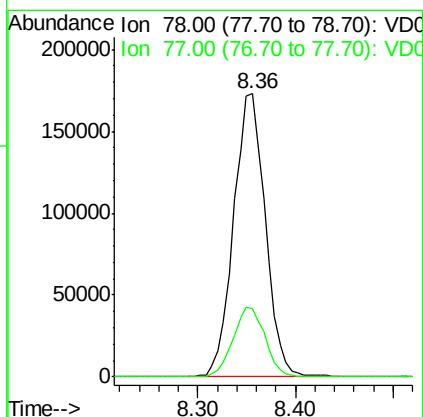
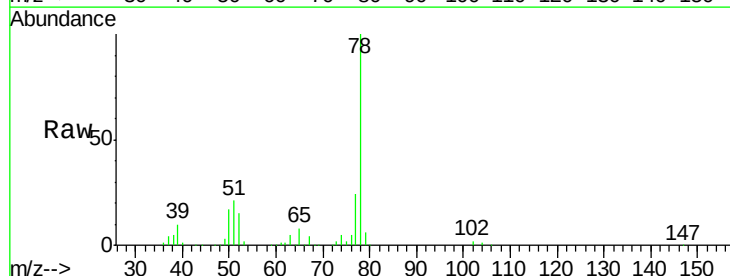
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

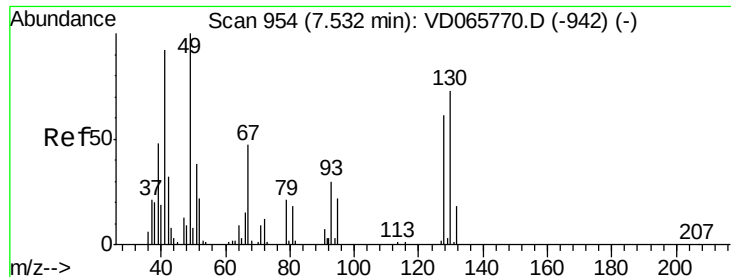
Tot Ion: 83 Resp: 157851
Ion Ratio Lower Upper
83 100
55 77.4 61.6 92.4
98 50.1 40.2 60.2



#40
Benzene
Concen: 48.437 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 78 Resp: 393289
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8





#41

Methacrylonitrile

Concen: 56.724 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 39513

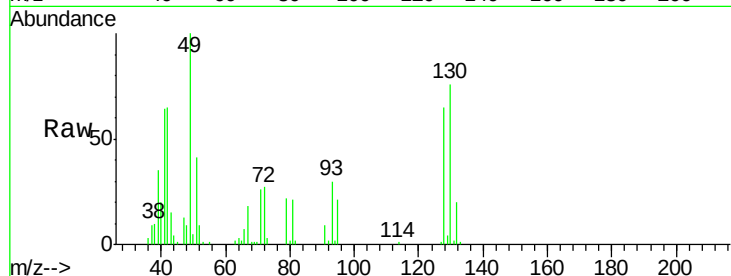
Ion Ratio Lower Upper

41 100

39 114.8 38.3 57.5#

67 0.0 49.8 74.6#

52 0.0 21.7 32.5#

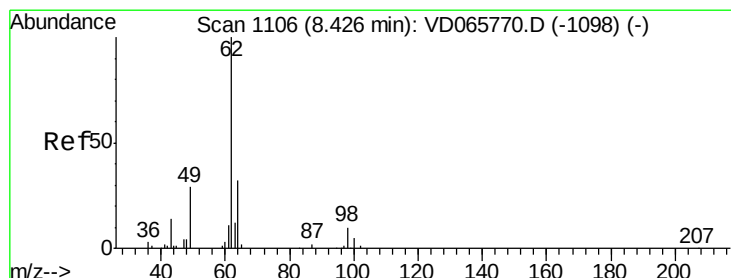
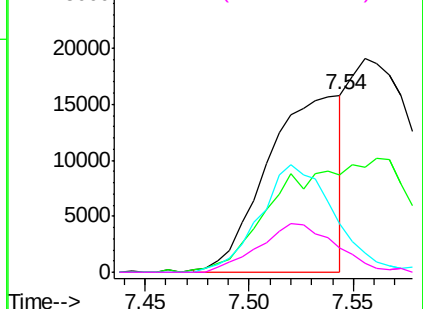
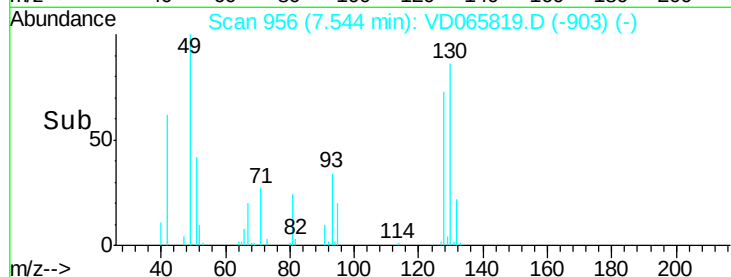


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 49.313 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065819.D

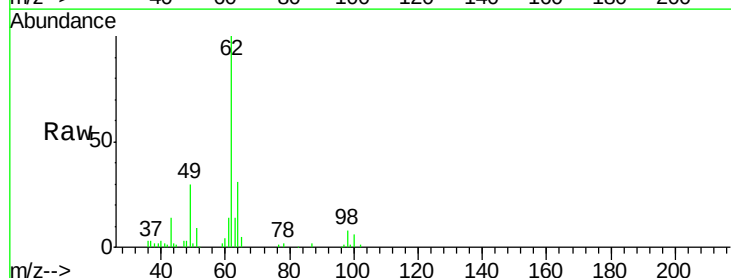
Acq: 18 Jun 2020 20:09

Tgt Ion: 62 Resp: 120811

Ion Ratio Lower Upper

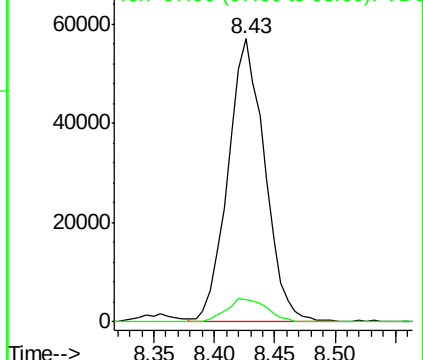
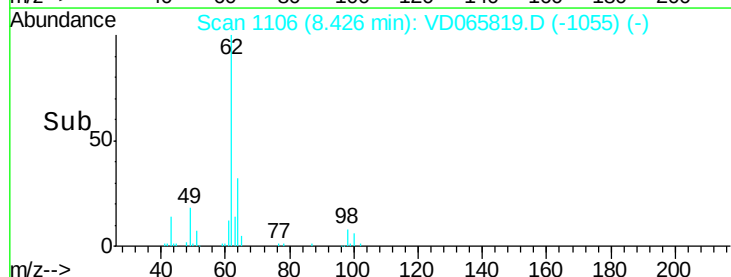
62 100

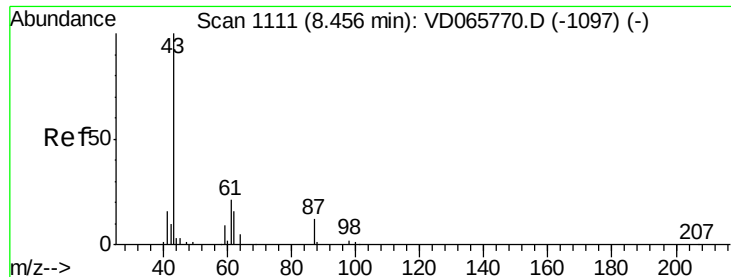
98 9.0 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.225 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

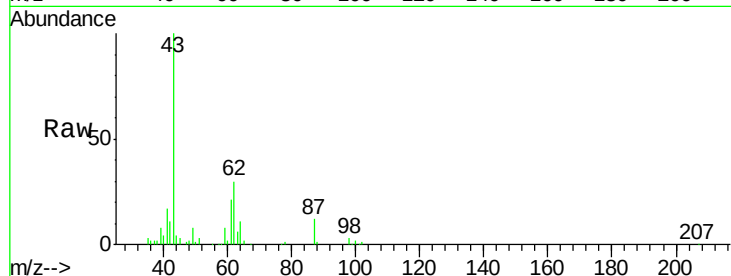
Tot Ion: 43 Resp: 116838

Ion Ratio Lower Upper

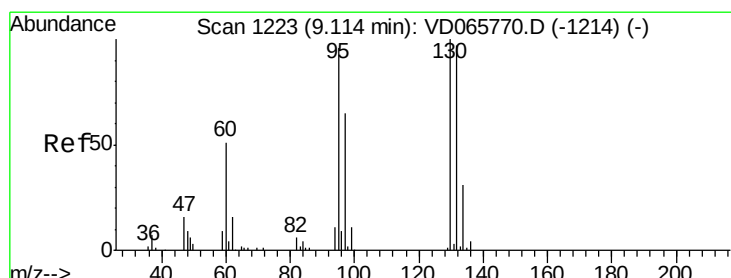
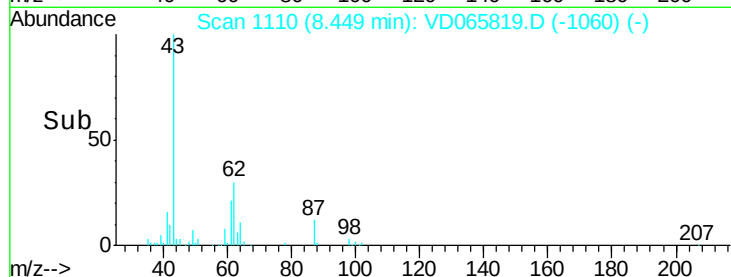
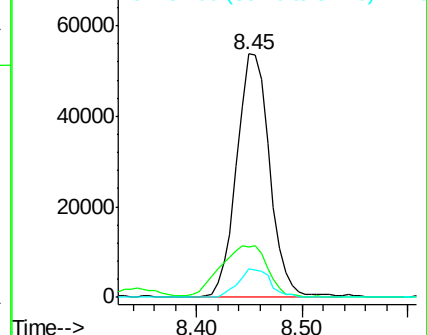
43 100

61 29.7 24.2 36.4

87 11.4 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: 45.203 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065819.D

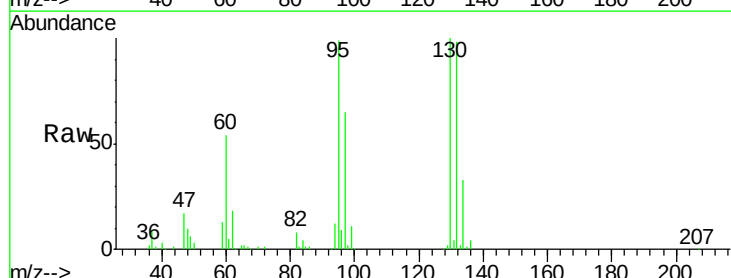
Acq: 18 Jun 2020 20:09

Tgt Ion: 130 Resp: 102139

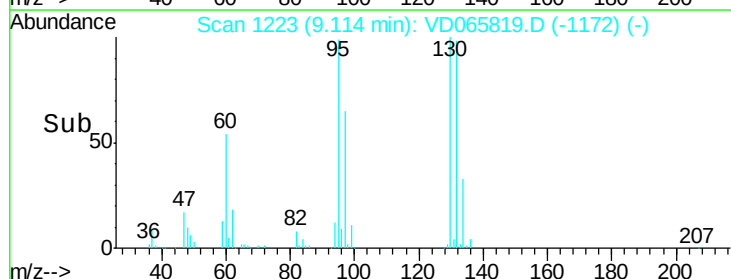
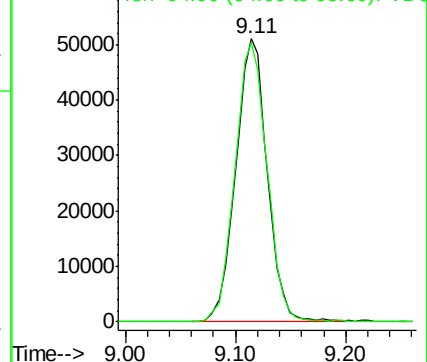
Ion Ratio Lower Upper

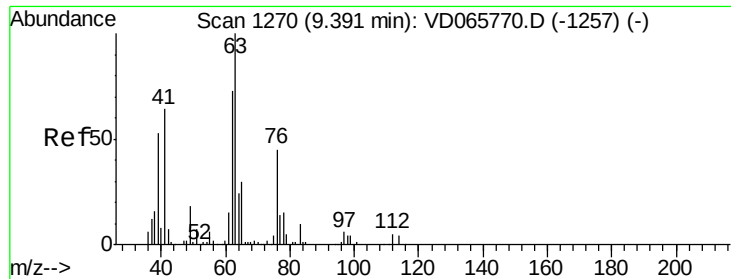
130 100

95 98.9 0.0 192.8



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

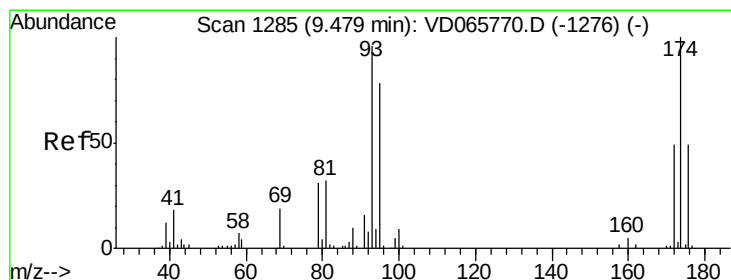
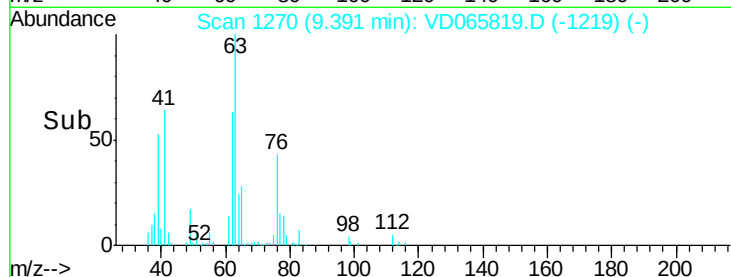
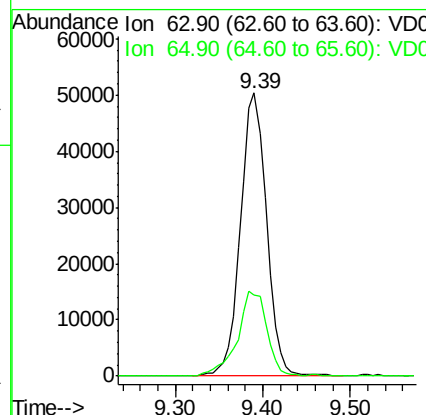
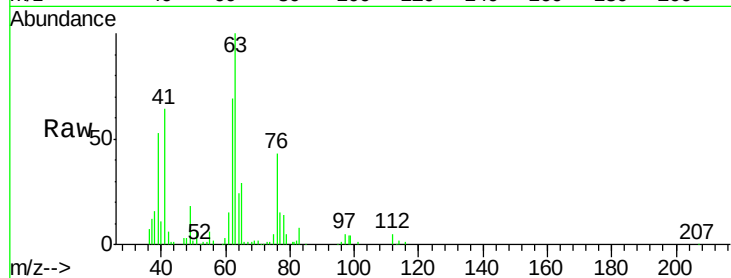




#45
 1,2-Dichloropropane
 Concen: 49.662 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

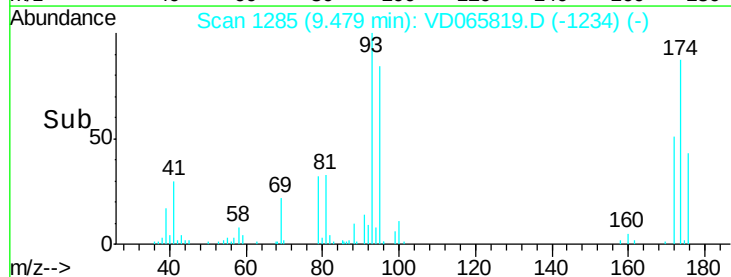
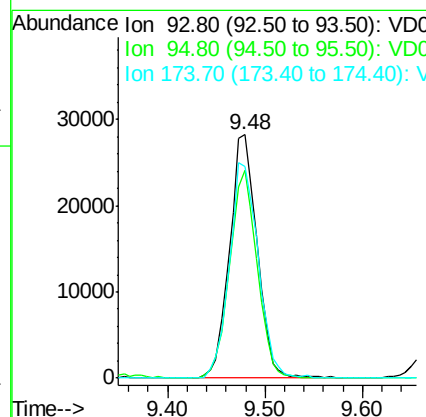
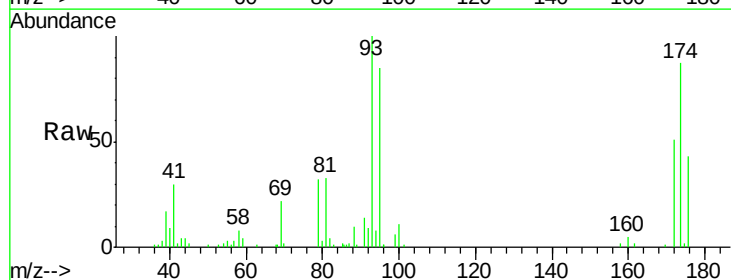
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

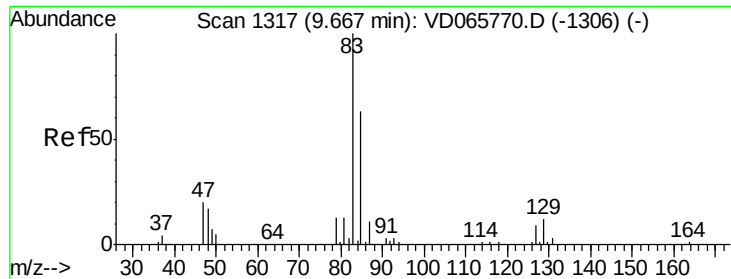
Tot Ion: 63 Resp: 101318
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.2 36.2



#46
 Dibromomethane
 Concen: 50.151 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion: 93 Resp: 55491
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.8 98.6
 174 92.0 80.9 121.3

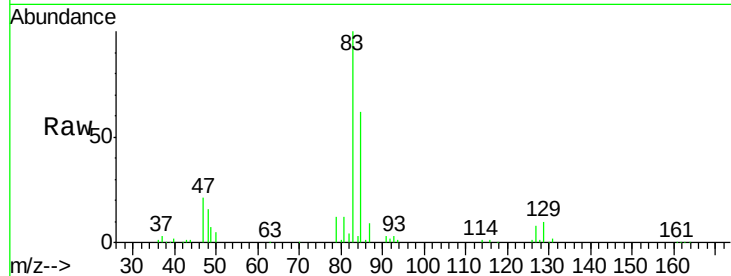




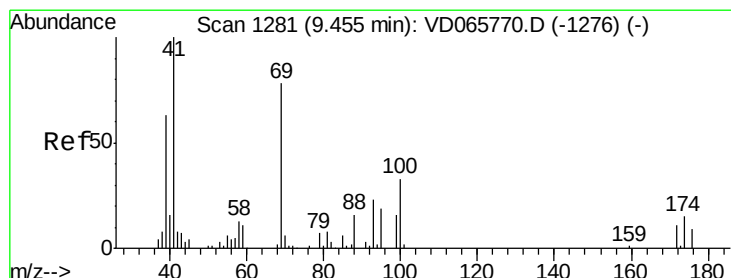
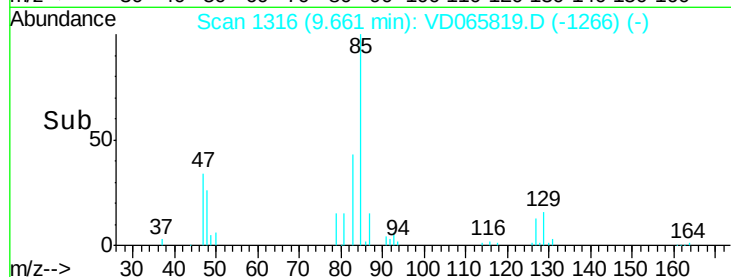
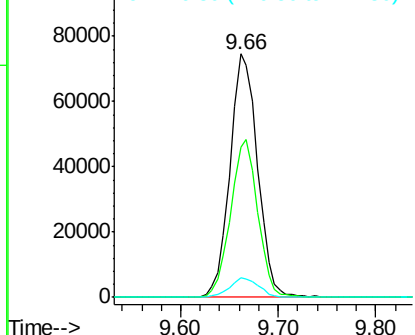
#47
Bromodichloromethane
Concen: 49.350 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 146324
Ion Ratio Lower Upper
83 100
85 61.6 50.7 76.1
127 8.3 7.1 10.7

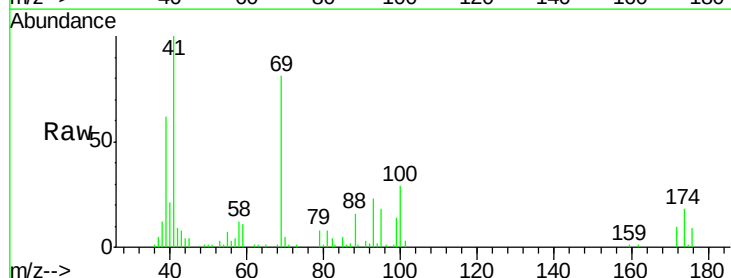


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

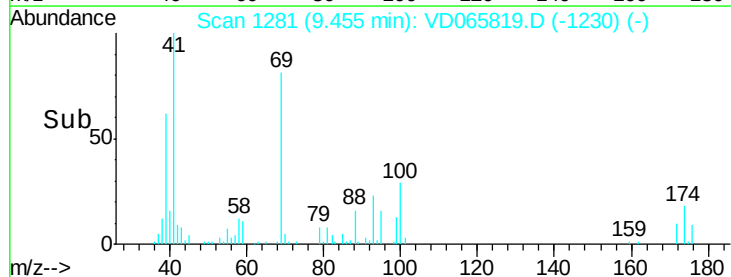
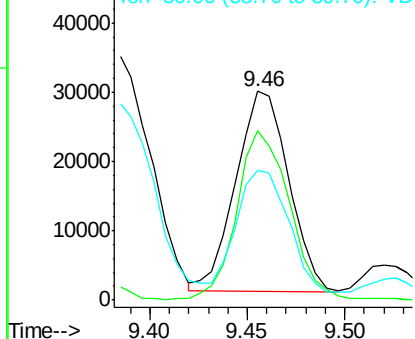


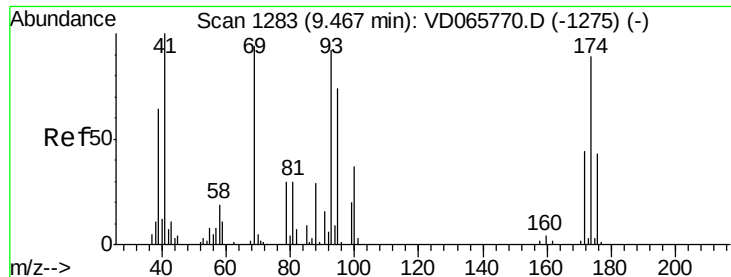
#48
Methyl methacrylate
Concen: 48.004 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 41 Resp: 54054
Ion Ratio Lower Upper
41 100
69 85.4 60.9 91.3
39 67.5 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: 963.898 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

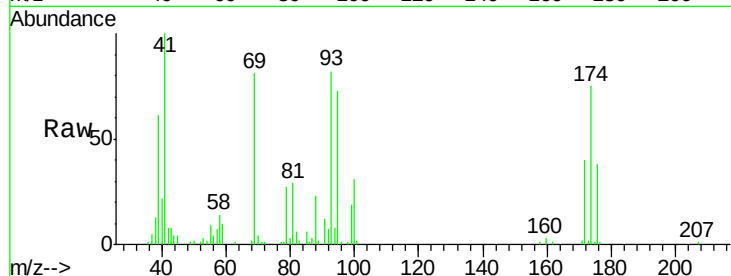
Tot Ion: 88 Resp: 11352

Ion Ratio Lower Upper

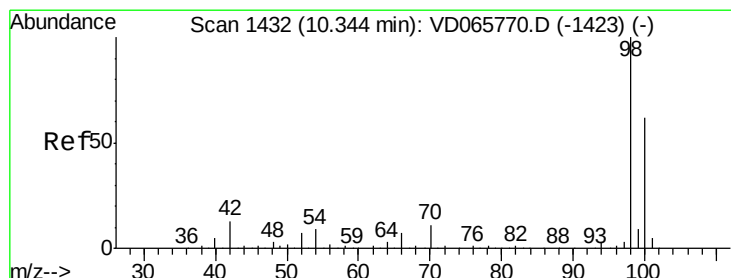
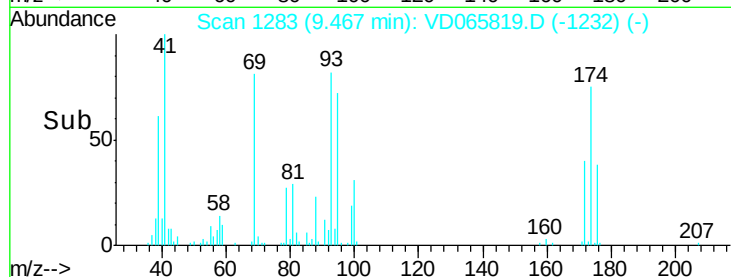
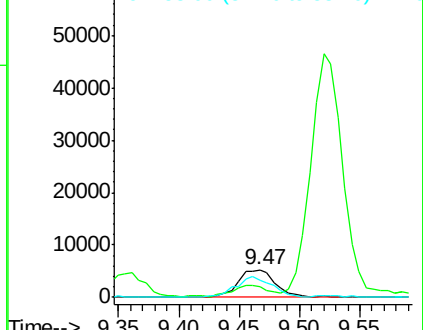
88 100

43 43.1 32.2 48.4

58 72.0 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: 51.432 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065819.D

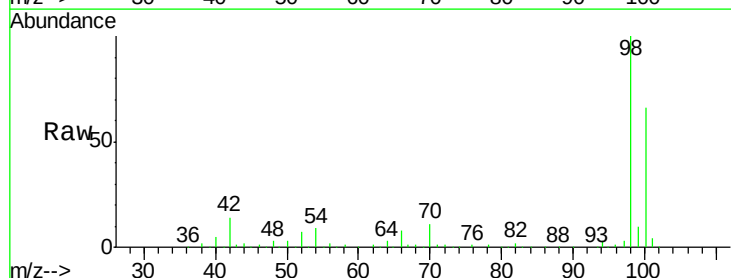
Acq: 18 Jun 2020 20:09

Tgt Ion: 98 Resp: 375600

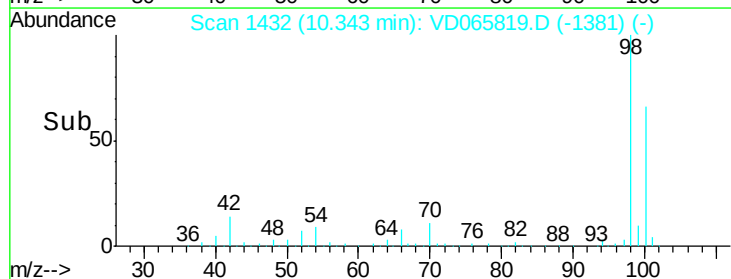
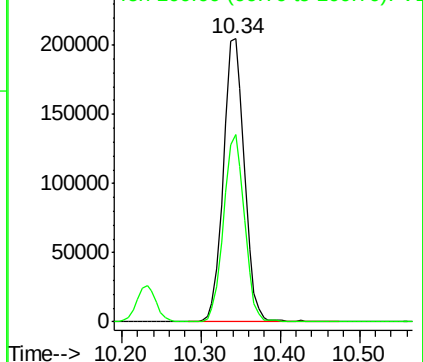
Ion Ratio Lower Upper

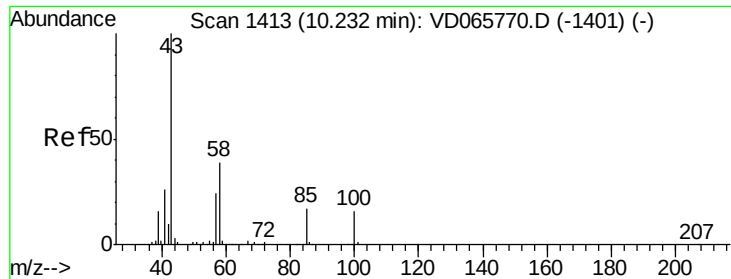
98 100

100 66.0 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: 264.002 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

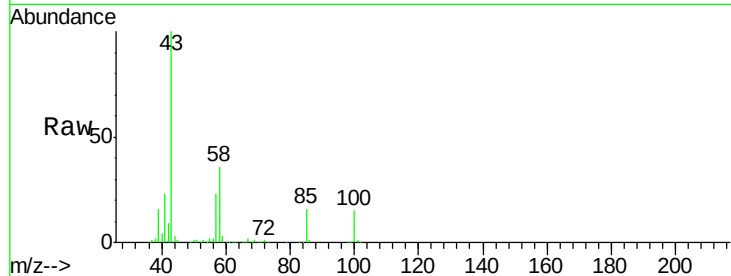
VSTDCCC050EC

Tot Ion: 43 Resp: 300938

Ion Ratio Lower Upper

43 100

58 37.0 30.7 46.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

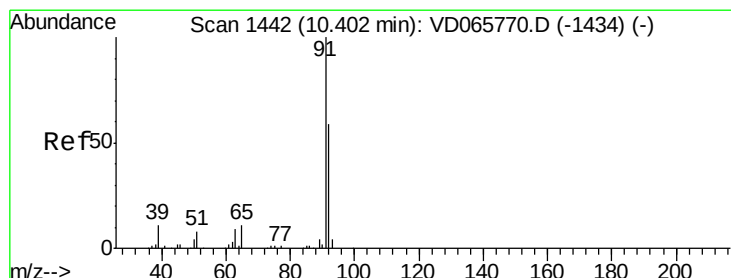
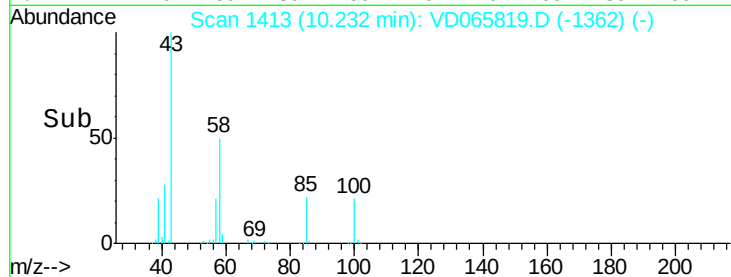
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 49.170 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065819.D

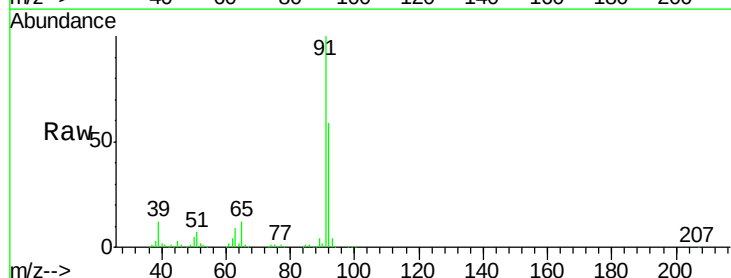
Acq: 18 Jun 2020 20:09

Tgt Ion: 92 Resp: 259408

Ion Ratio Lower Upper

92 100

91 175.1 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

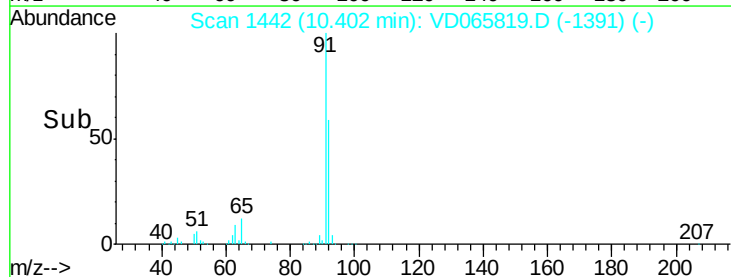
150000

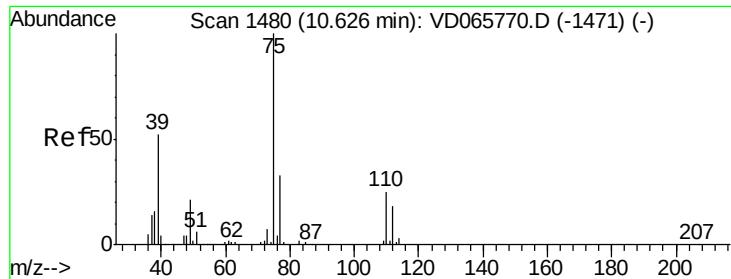
100000

50000

0

Time-->

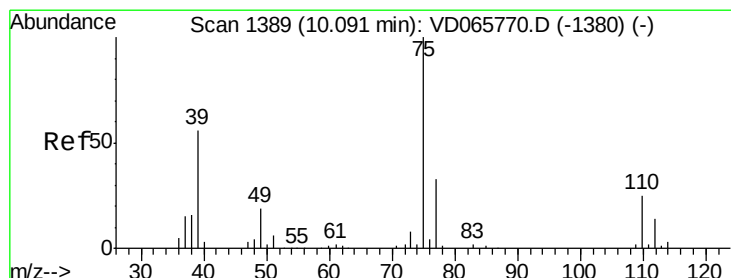
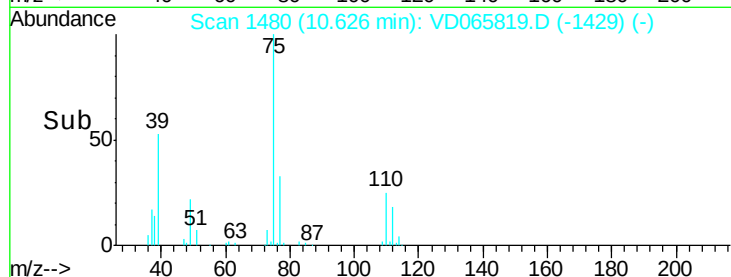
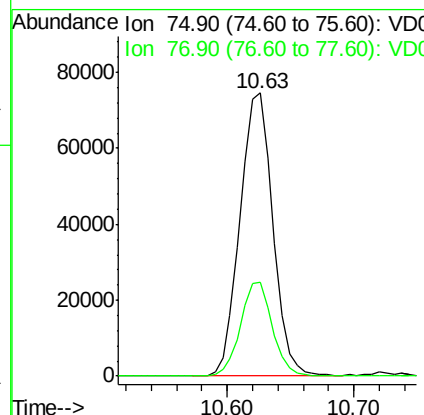
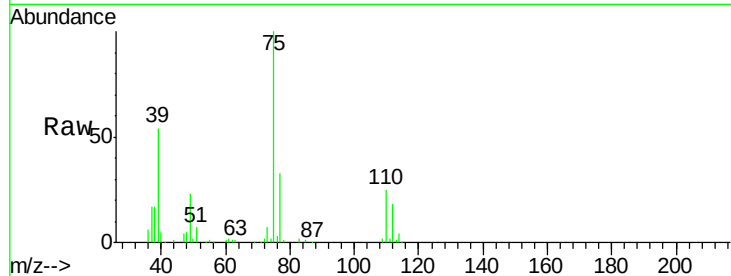




#53
t-1,3-Dichloropropene
Concen: 50.080 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

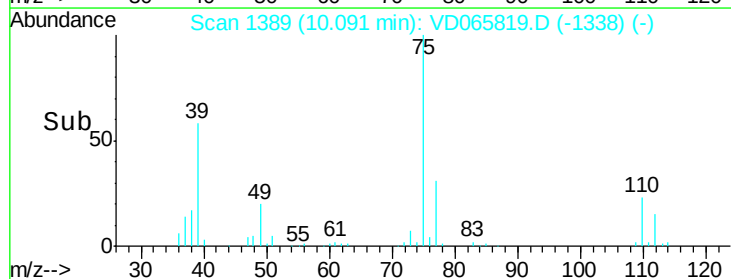
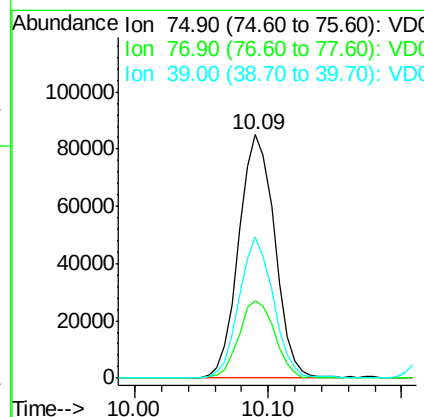
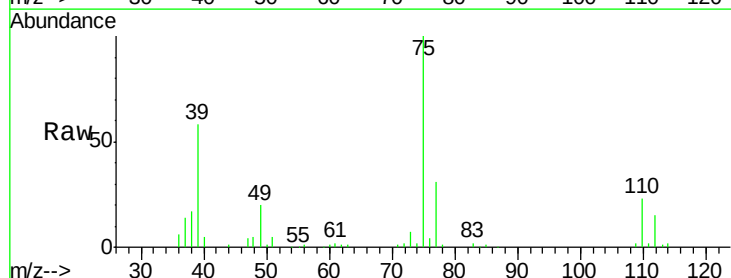
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

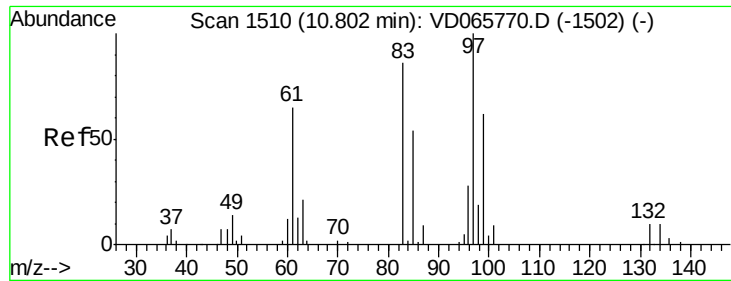
Tot Ion: 75 Resp: 134463
Ion Ratio Lower Upper
75 100
77 33.3 26.4 39.6



#54
cis-1,3-Dichloropropene
Concen: 50.166 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 75 Resp: 159077
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0
39 58.2 45.0 67.6



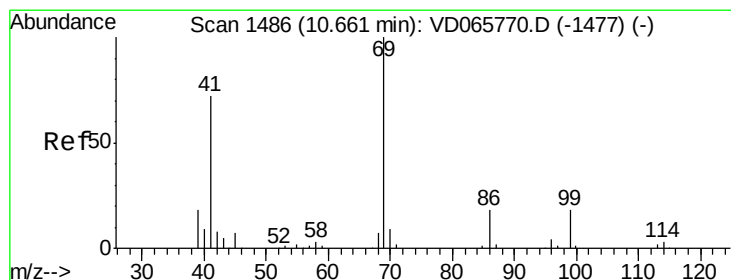
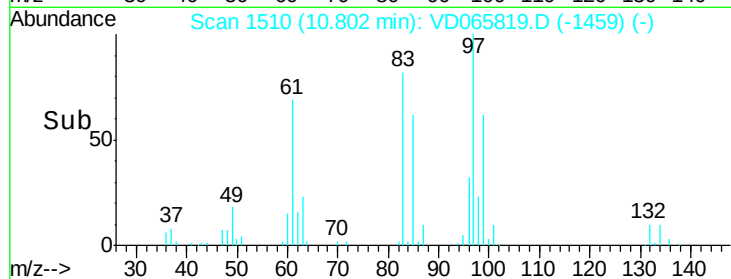
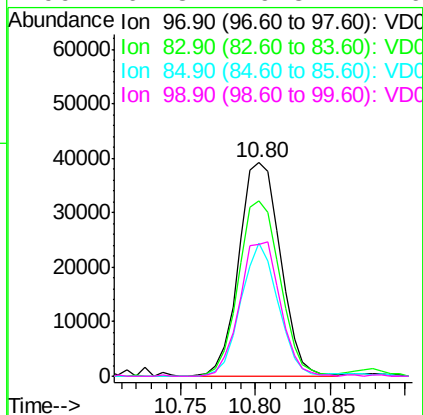
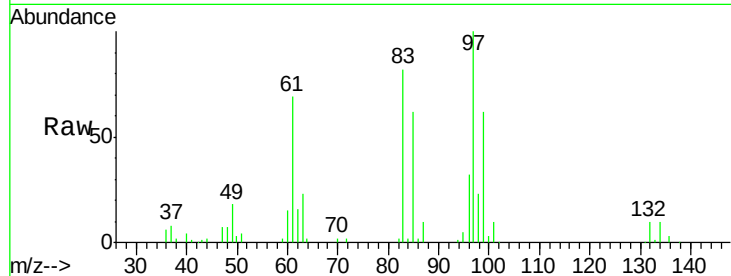


#55
 1,1,2-Trichloroethane
 Concen: 51.354 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 75924

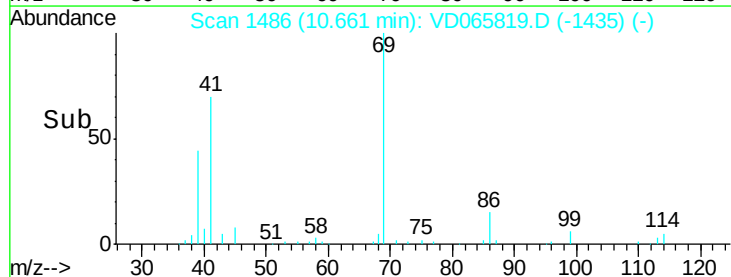
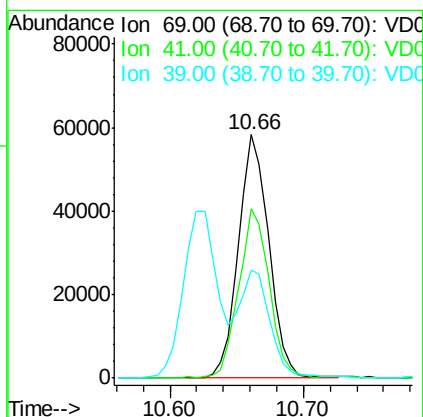
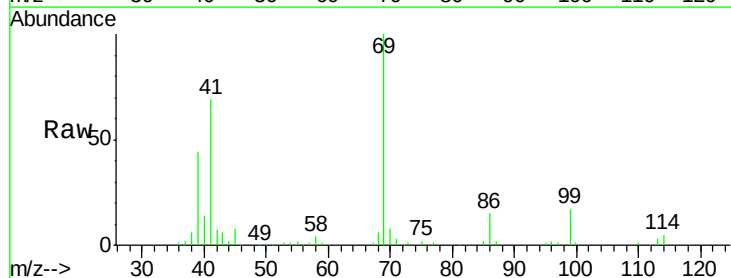
Ion	Ratio	Lower	Upper
97	100		
83	82.2	68.7	103.1
85	62.2	43.0	64.6
99	61.8	49.8	74.6

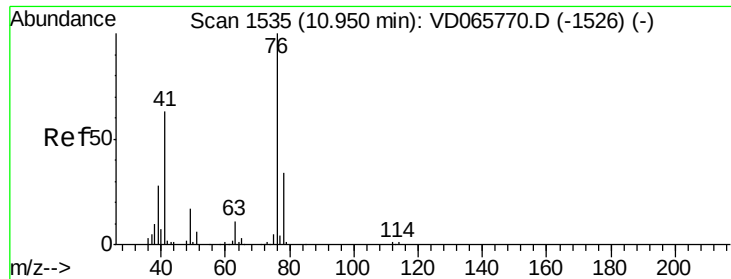


#56
 Ethyl methacrylate
 Concen: 53.006 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion: 69 Resp: 92175

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.9	85.3
39	45.6	36.0	54.0





#57

1,3-Dichloropropane

Concen: 51.128 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

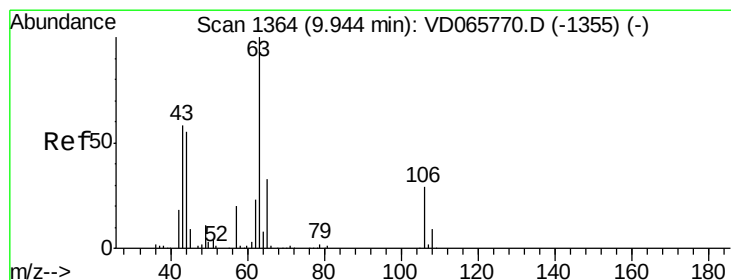
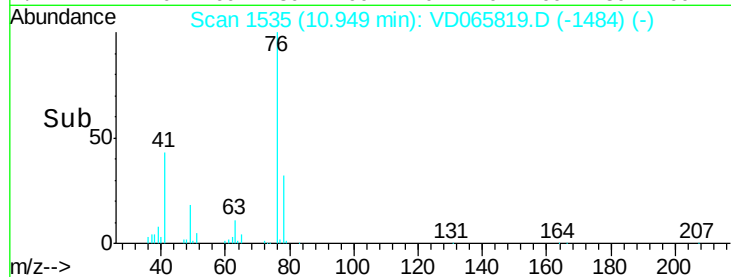
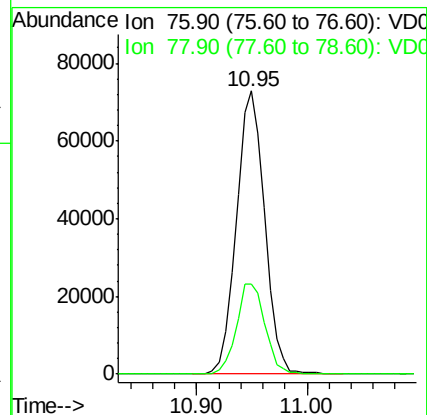
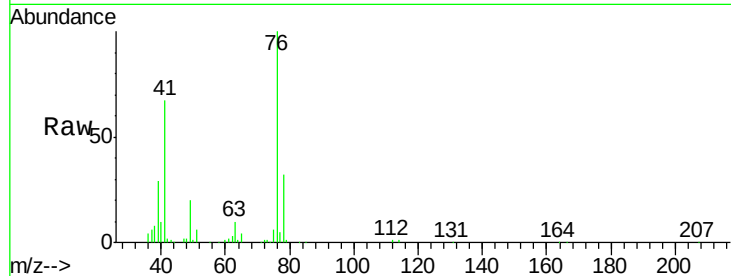
VSTDCCC050EC

Tot Ion: 76 Resp: 130958

Ion Ratio Lower Upper

76 100

78 32.3 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 279.439 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065819.D

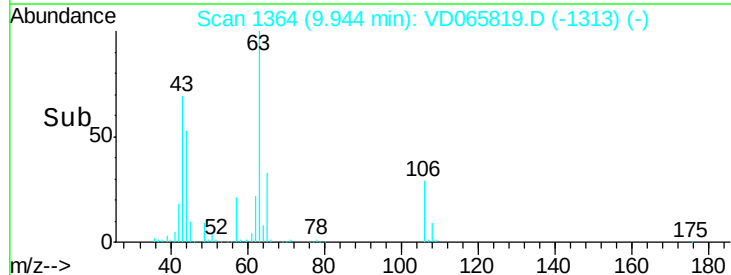
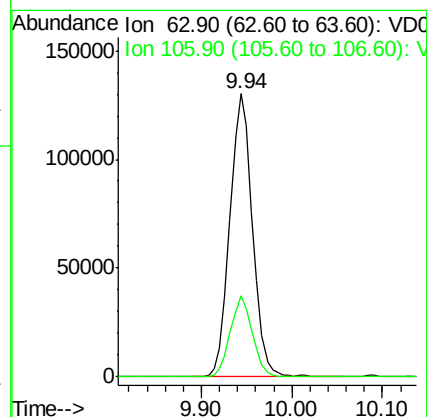
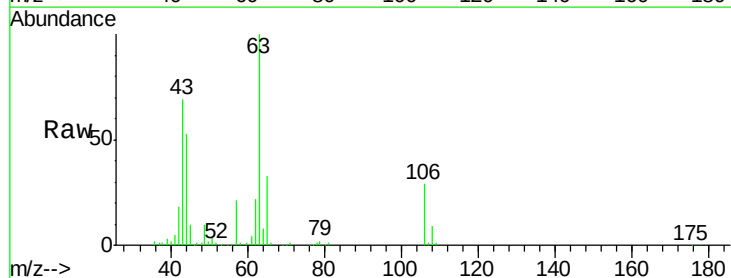
Acq: 18 Jun 2020 20:09

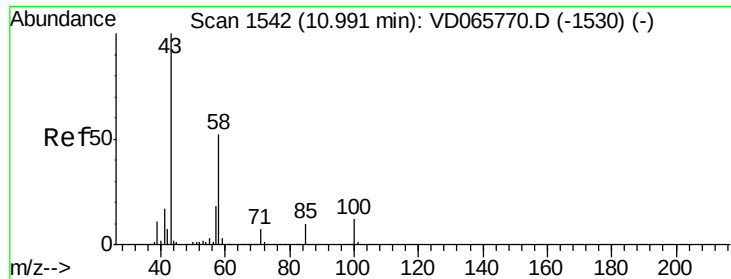
Tgt Ion: 63 Resp: 225917

Ion Ratio Lower Upper

63 100

106 28.0 23.2 34.8

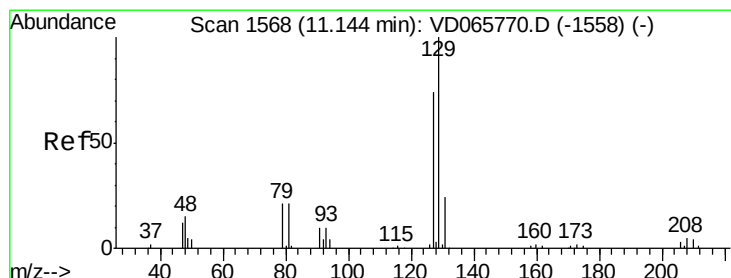
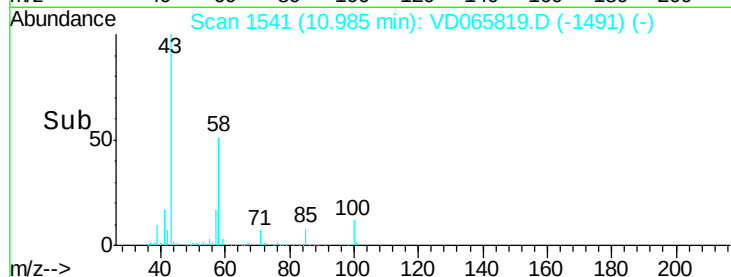
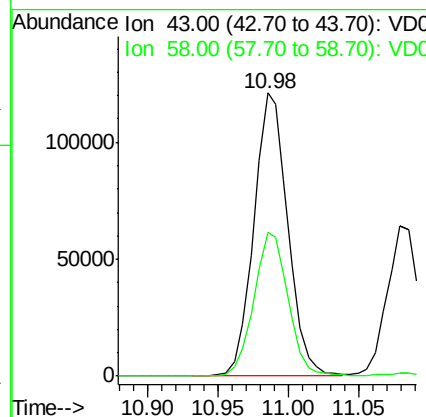
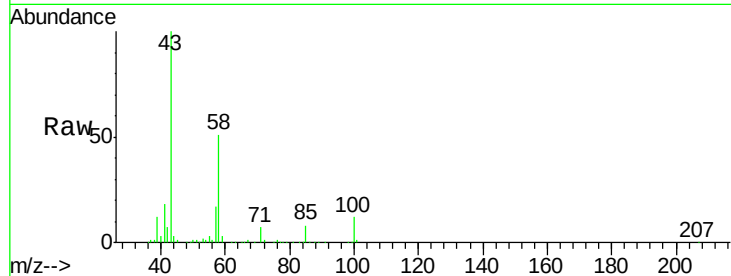




#59
2-Hexanone
Concen: 266.018 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

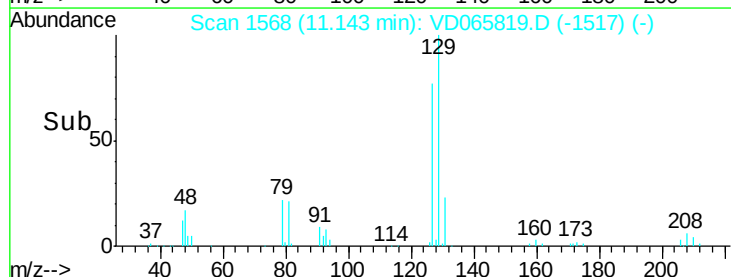
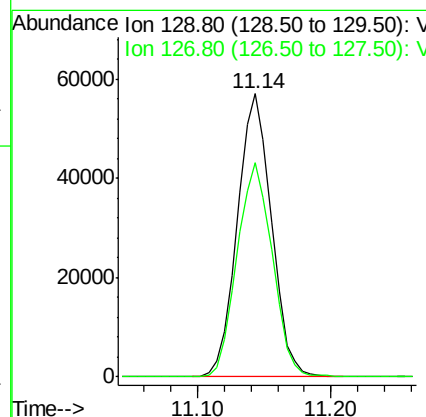
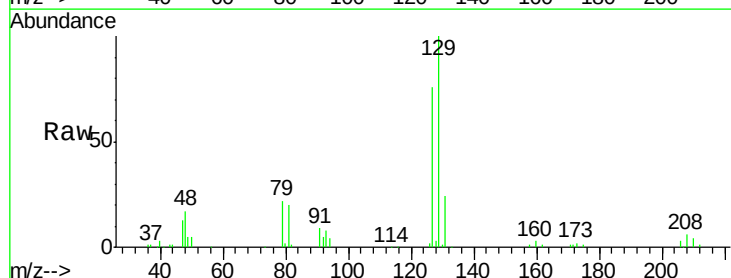
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

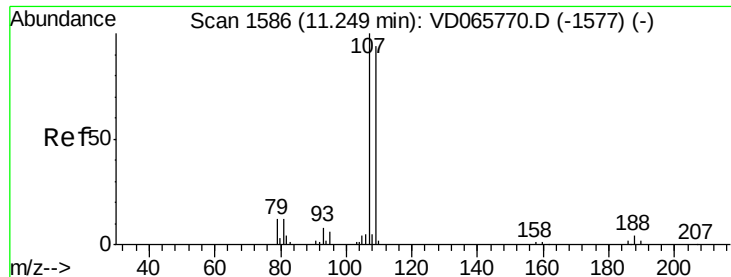
Tot Ion: 43 Resp: 204439
Ion Ratio Lower Upper
43 100
58 51.2 25.7 77.0



#60
Dibromochloromethane
Concen: 50.660 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 129 Resp: 101179
Ion Ratio Lower Upper
129 100
127 77.9 38.0 113.9

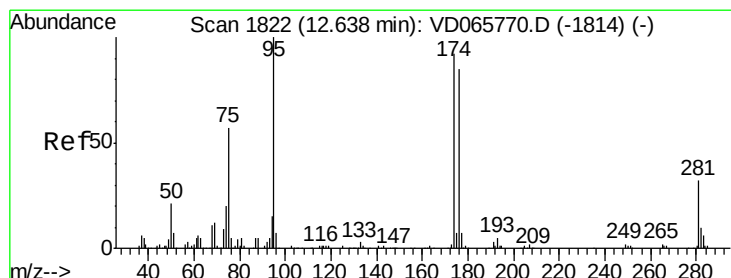
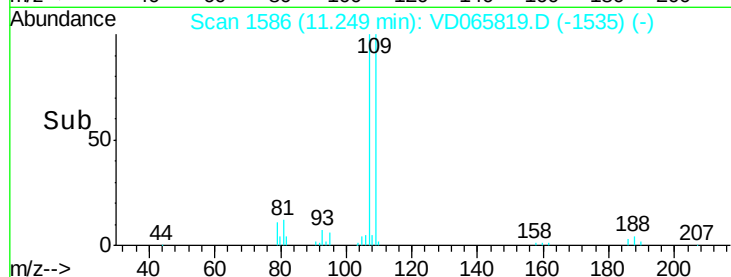
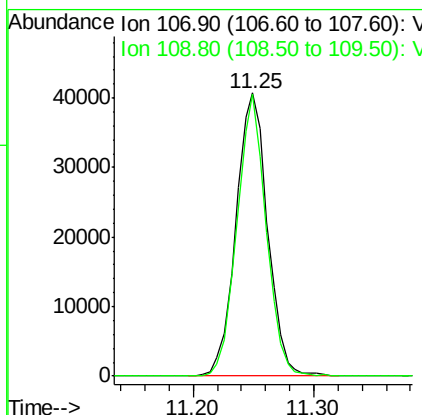
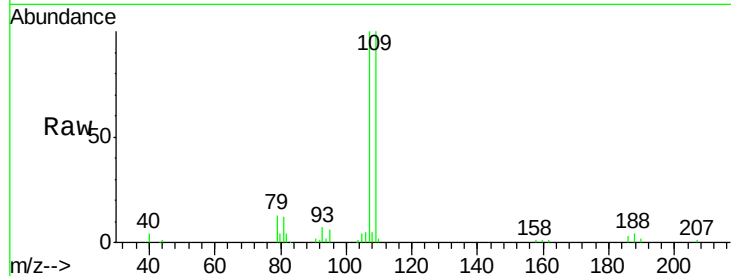




#61
 1,2-Dibromoethane
 Concen: 51.025 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

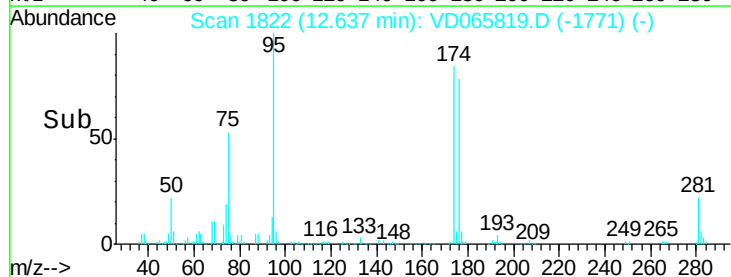
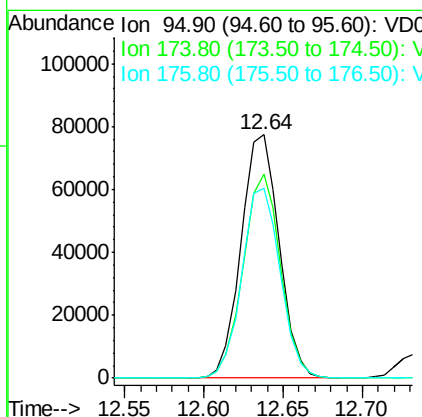
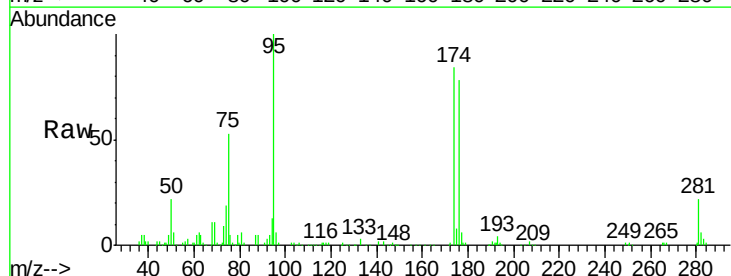
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

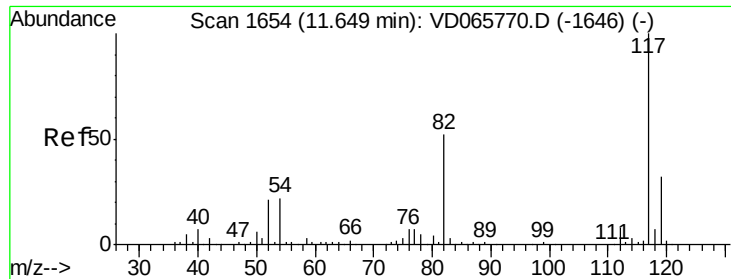
Tot Ion:107 Resp: 74137
 Ion Ratio Lower Upper
 107 100
 109 91.9 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 52.226 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion: 95 Resp: 129345
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 175.2
 176 78.5 0.0 163.0

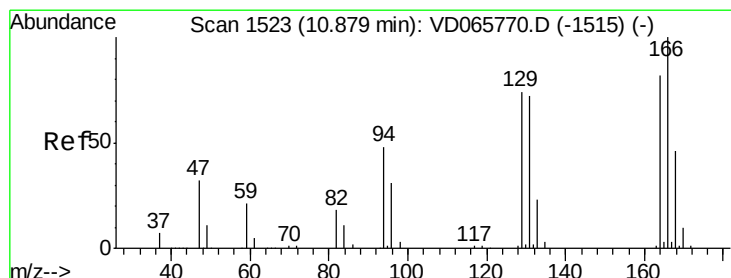
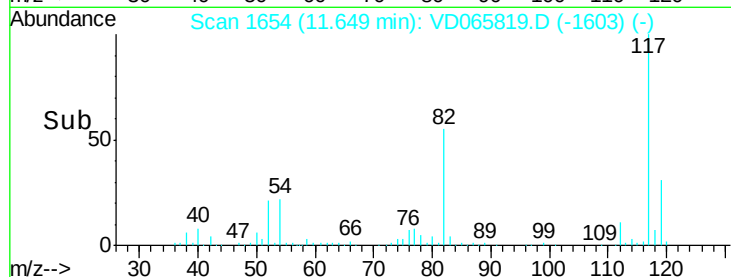
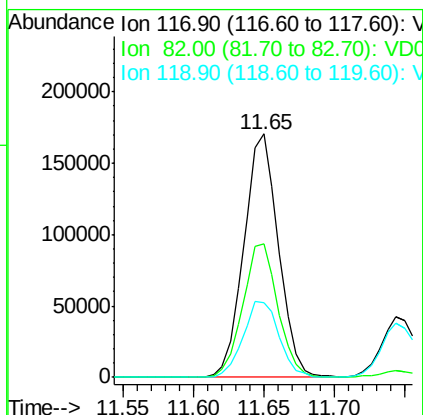
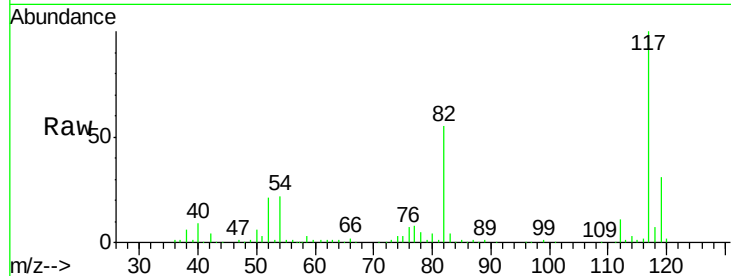




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

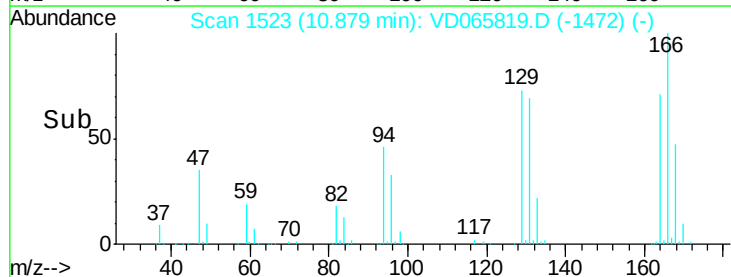
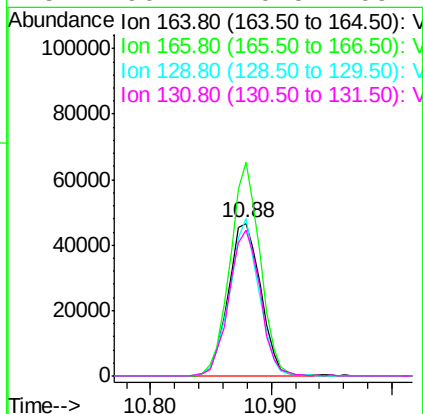
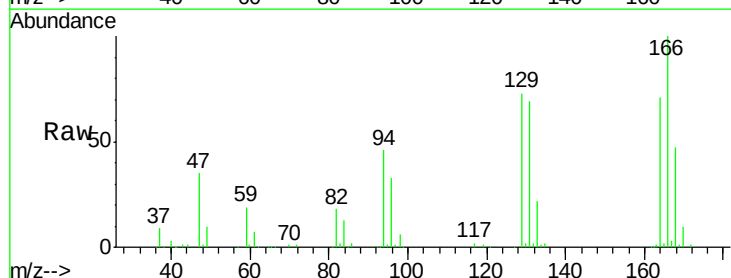
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

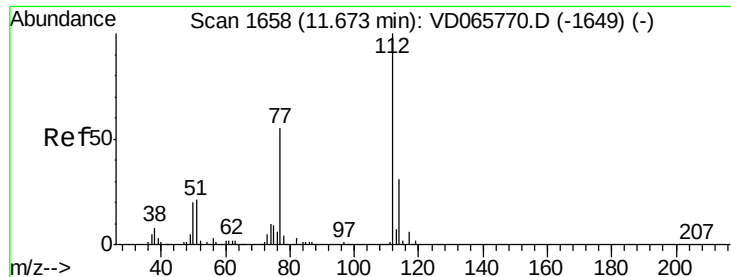
Tot Ion:117 Resp: 293154
Ion Ratio Lower Upper
117 100
82 54.8 41.9 62.9
119 30.9 25.3 37.9



#64
Tetrachloroethene
Concen: 44.093 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion:164 Resp: 87407
Ion Ratio Lower Upper
164 100
166 140.1 98.2 147.2
129 103.0 72.3 108.5
131 96.2 70.5 105.7

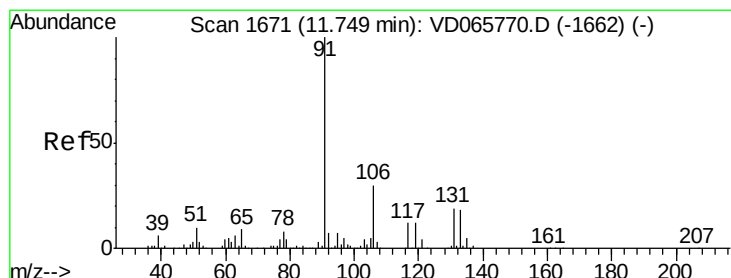
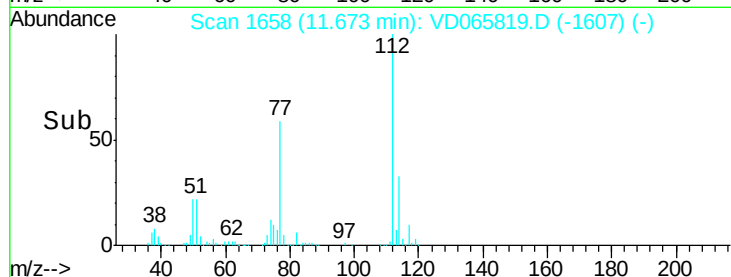
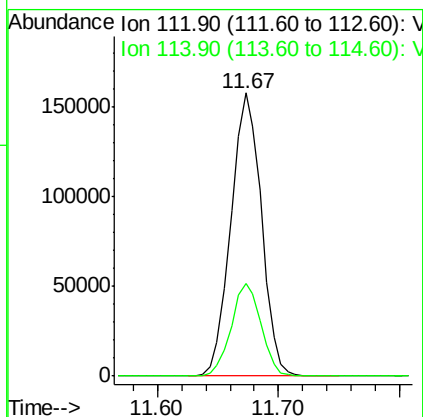
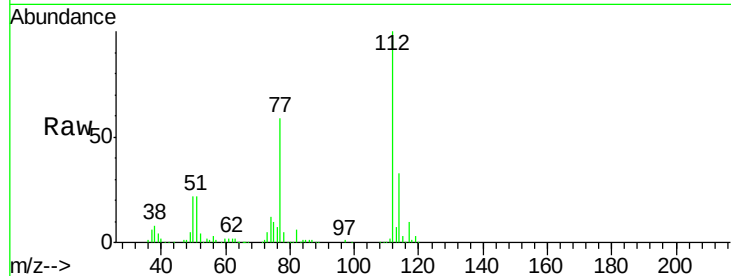




#65
Chlorobenzene
Concen: 48.511 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

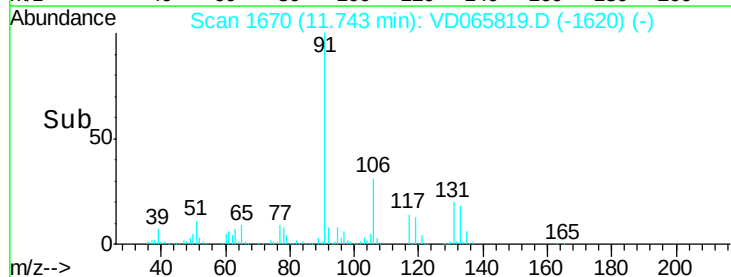
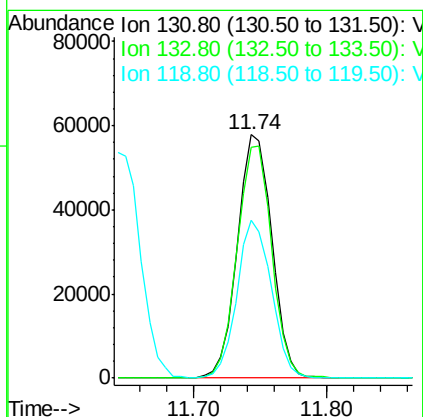
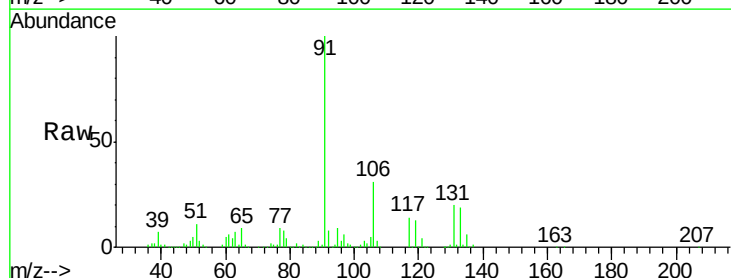
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

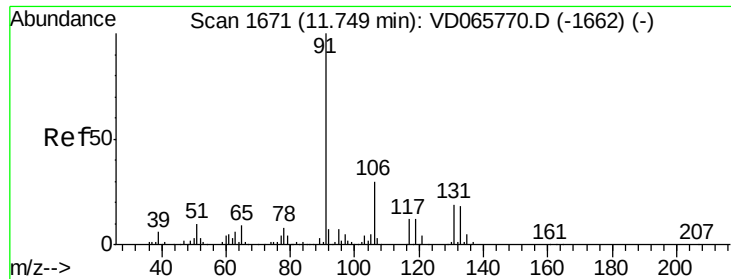
Tot Ion:112 Resp: 277633
Ion Ratio Lower Upper
112 100
114 32.6 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 48.528 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion:131 Resp: 103524
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 64.5 31.6 94.8





#67

Ethyl Benzene

Concen: 49.312 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

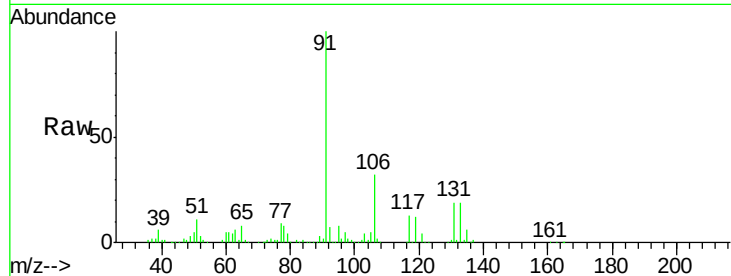
VSTDCCC050EC

Tot Ion: 91 Resp: 504162

Ion Ratio Lower Upper

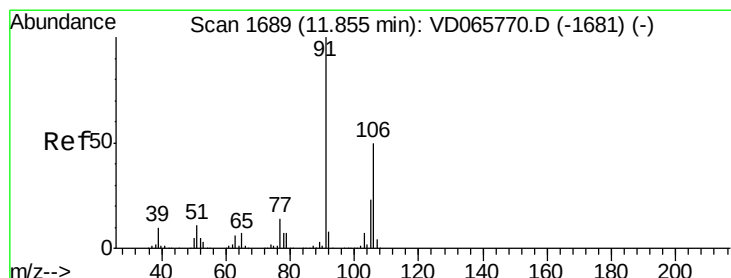
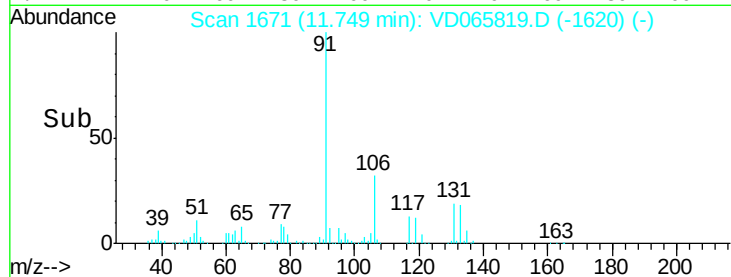
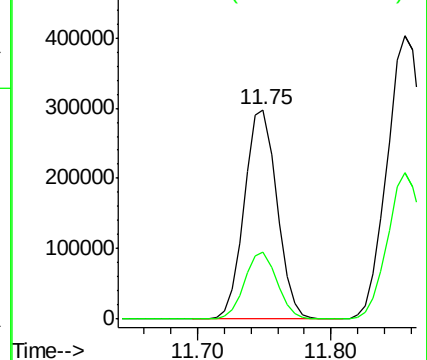
91 100

106 32.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VD065770.D

Ion 106.00 (105.70 to 106.70): VD065770.D



#68

m/p-Xylenes

Concen: 99.662 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065819.D

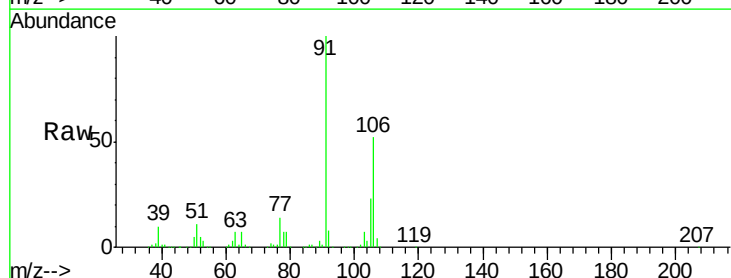
Acq: 18 Jun 2020 20:09

Tgt Ion: 106 Resp: 392475

Ion Ratio Lower Upper

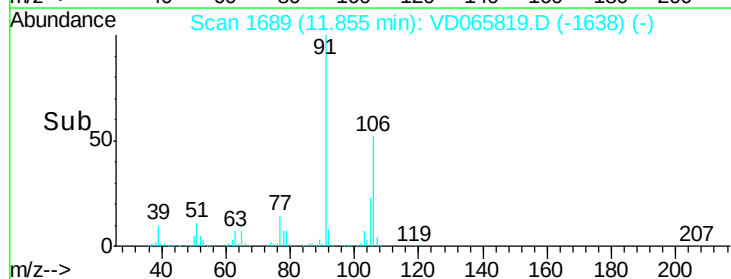
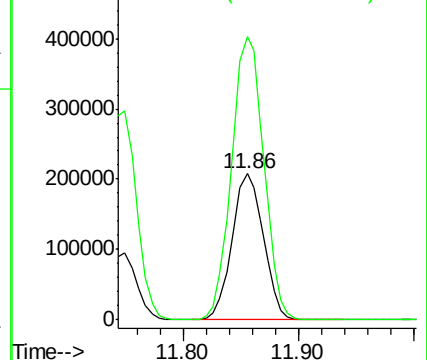
106 100

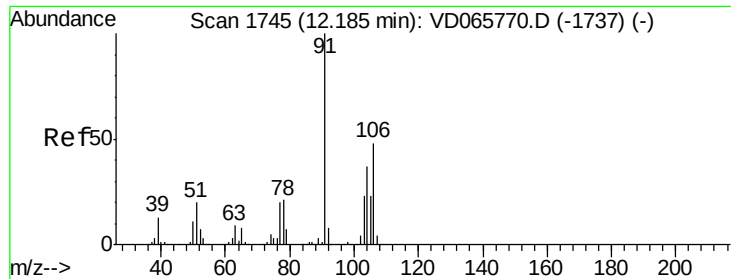
91 198.0 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VD065770.D

Ion 91.00 (90.70 to 91.70): VD065770.D

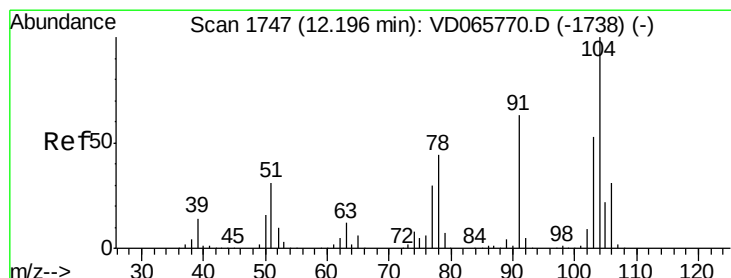
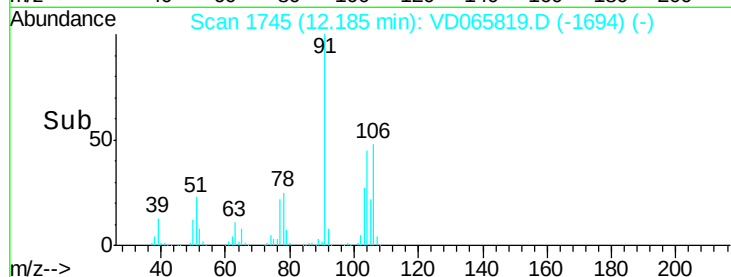
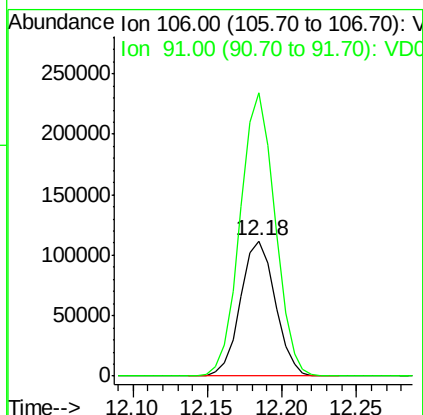
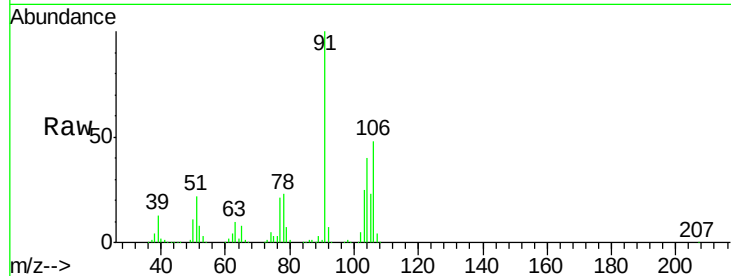




#69
o-Xylene
Concen: 50.945 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

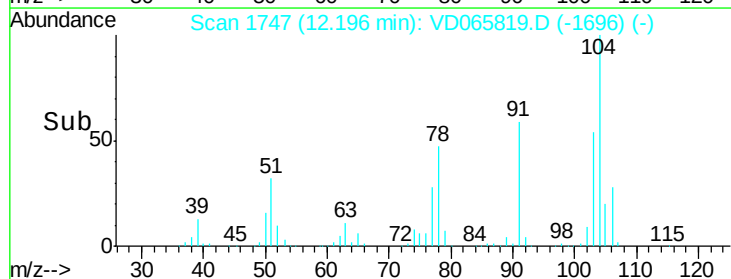
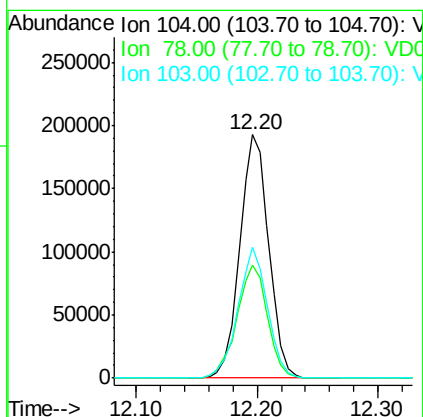
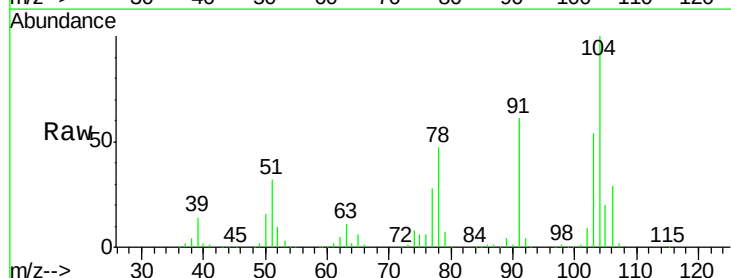
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

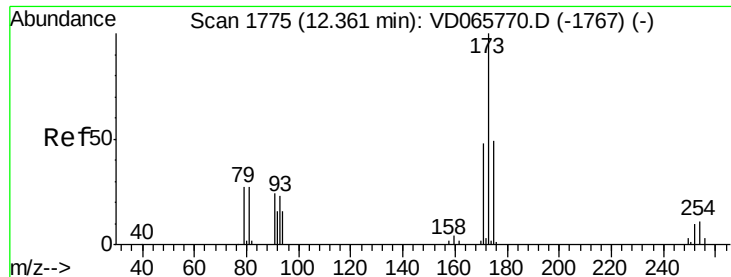
Tot Ion:106 Resp: 180891
Ion Ratio Lower Upper
106 100
91 210.0 105.3 315.8



#70
Styrene
Concen: 52.248 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion:104 Resp: 321150
Ion Ratio Lower Upper
104 100
78 49.2 38.6 58.0
103 54.9 43.9 65.9





#71

Bromoform

Concen: 48.299 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

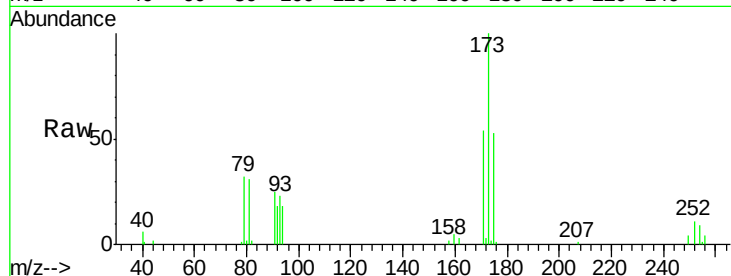
Tot Ion:173 Resp: 56739

Ion Ratio Lower Upper

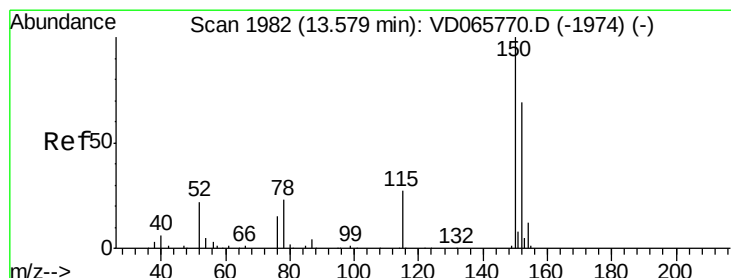
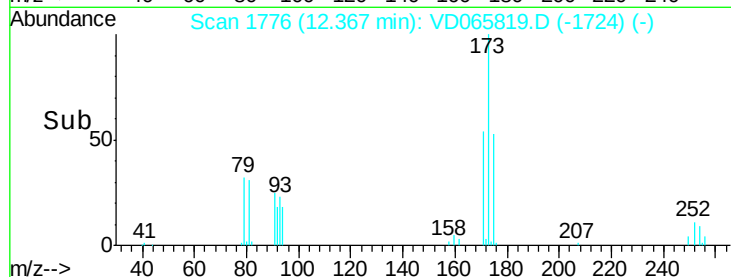
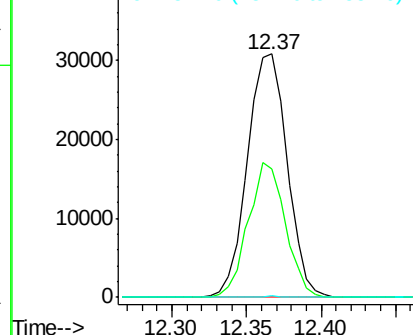
173 100

175 51.7 24.8 74.4

254 0.1 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: VD065819.D

Acq: 18 Jun 2020 20:09

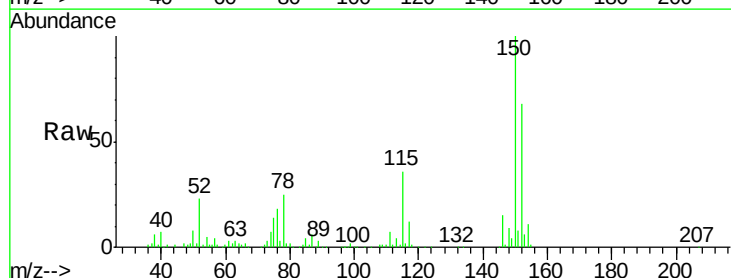
Tgt Ion:152 Resp: 156237

Ion Ratio Lower Upper

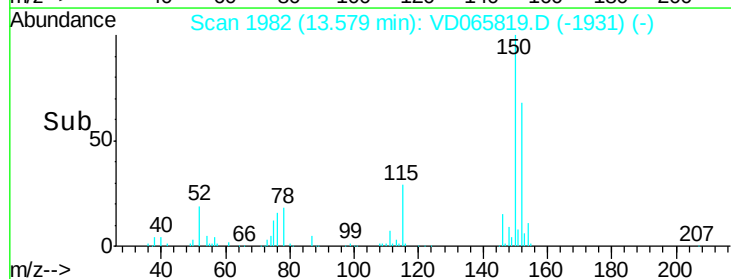
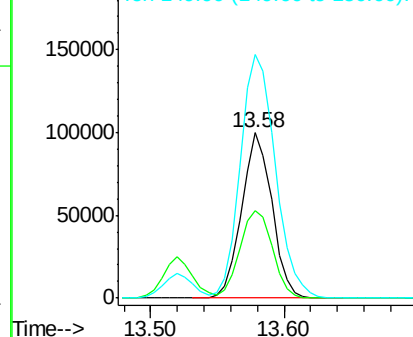
152 100

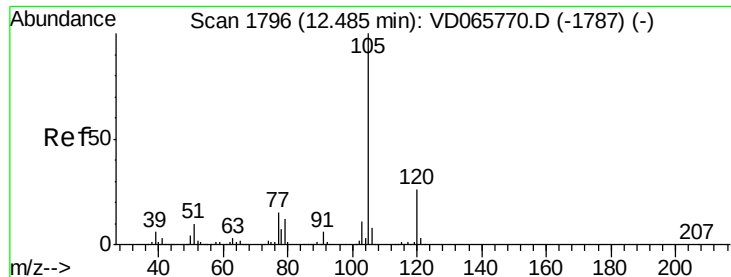
115 57.1 28.7 86.1

150 170.5 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: 46.214 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

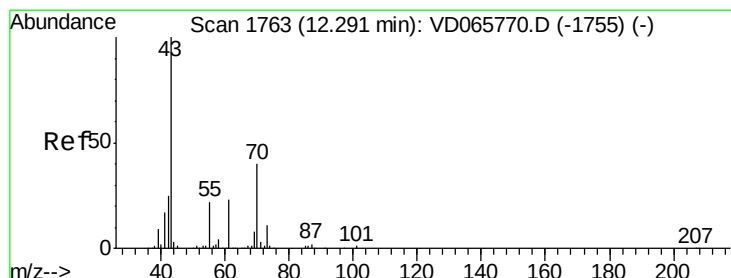
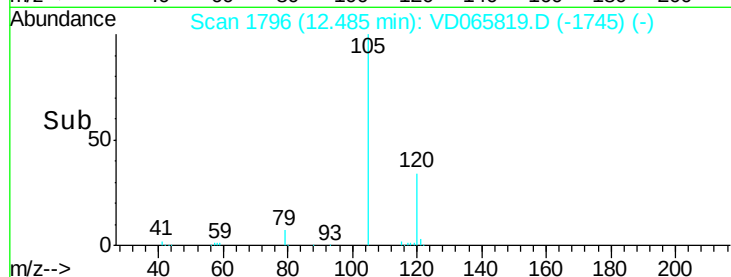
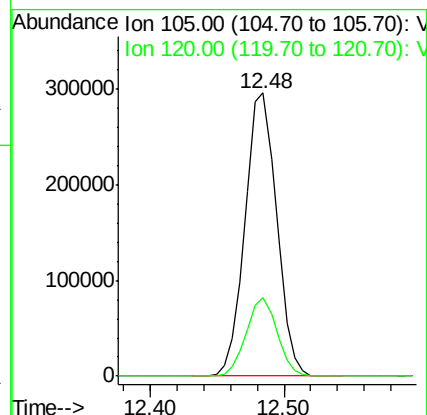
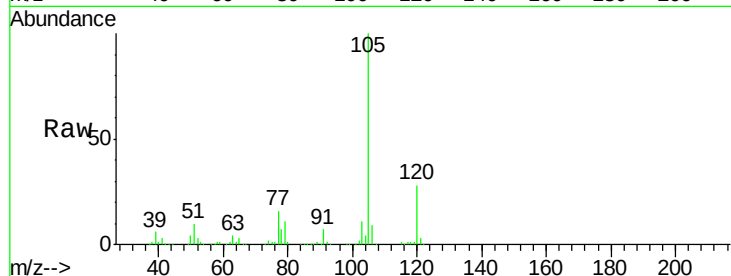
VSTDCCC050EC

Tot Ion:105 Resp: 484101

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#74

N-ethyl acetate

Concen: 48.092 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Tgt Ion: 43 Resp: 112077

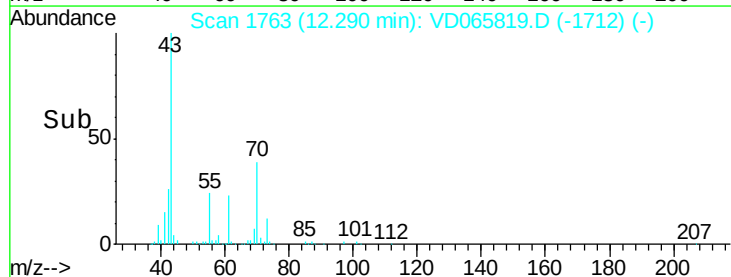
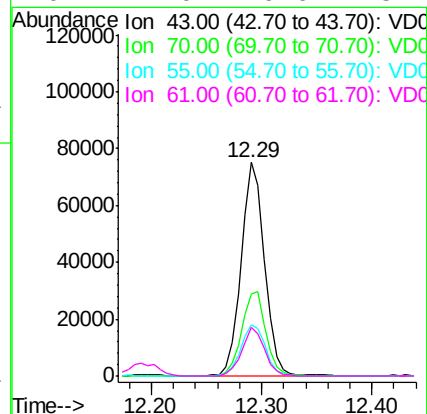
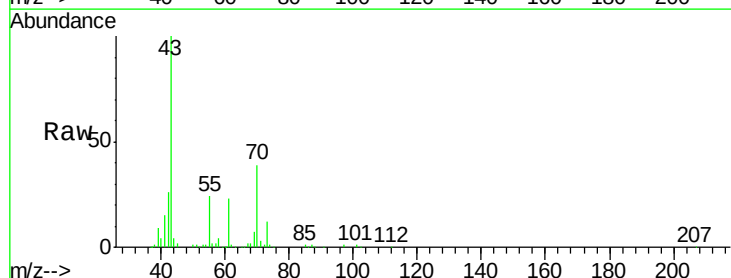
Ion Ratio Lower Upper

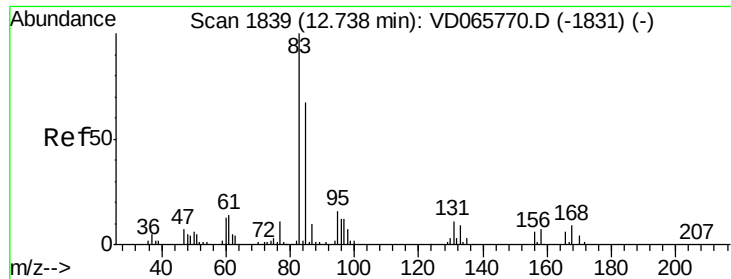
43 100

70 40.7 32.3 48.5

55 25.2 19.0 28.4

61 22.0 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.748 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

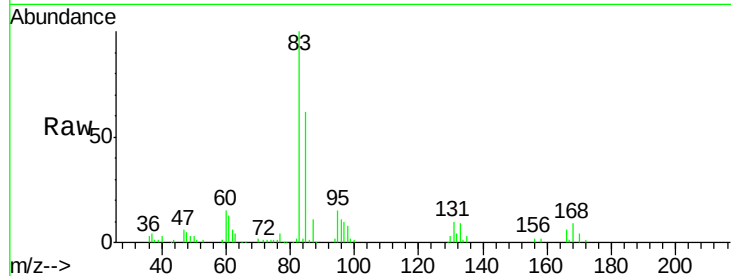
Tot Ion: 83 Resp: 84470

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

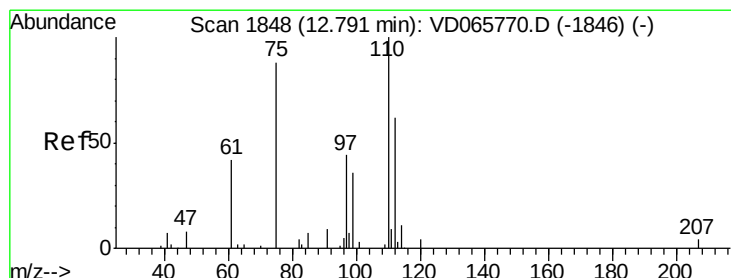
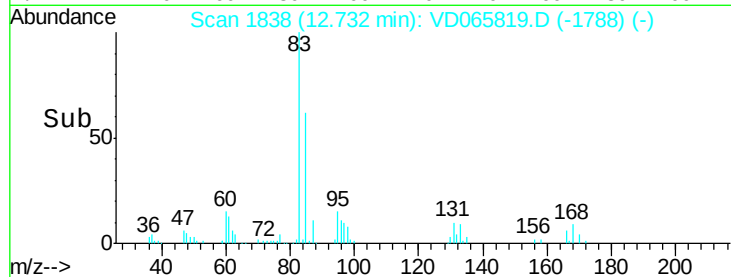
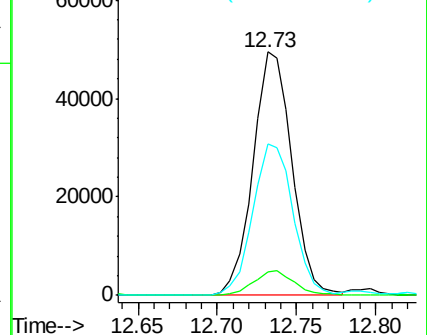
85 64.2 32.5 97.5



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: 39.744 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065819.D

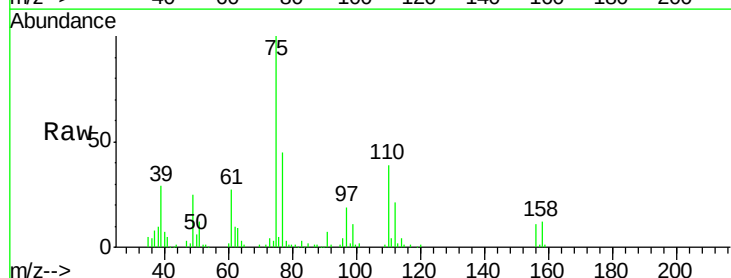
Acq: 18 Jun 2020 20:09

Tgt Ion: 75 Resp: 48292

Ion Ratio Lower Upper

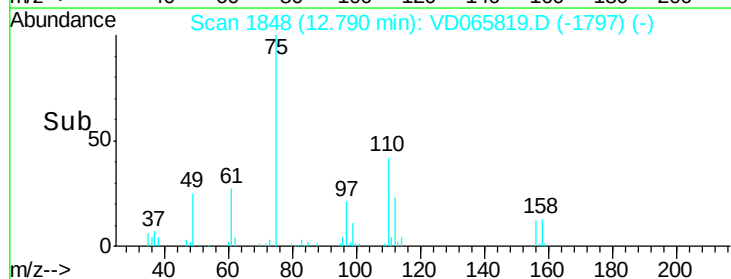
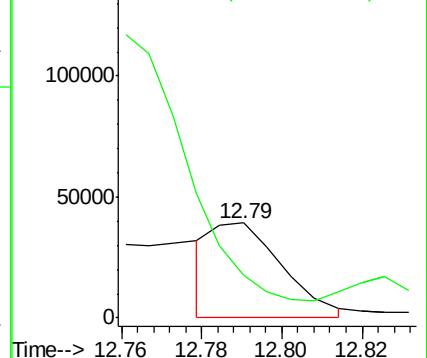
75 100

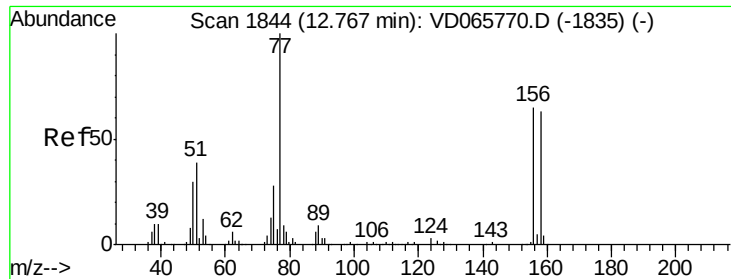
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 46.829 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

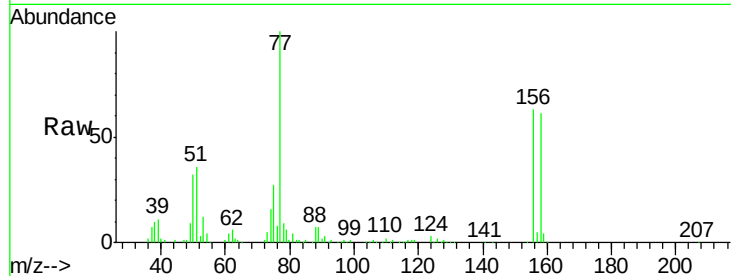
Tot Ion:156 Resp: 116062

Ion Ratio Lower Upper

156 100

77 182.2 87.3 261.8

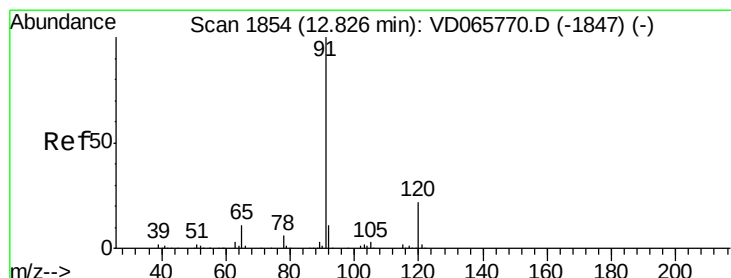
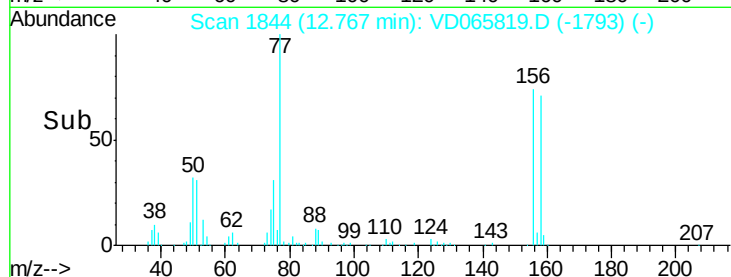
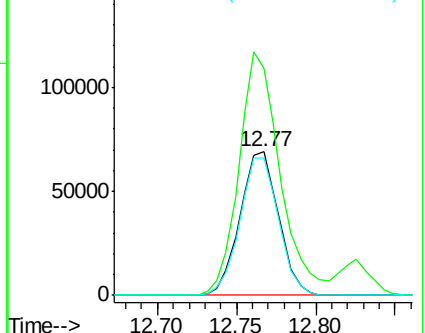
158 97.3 48.0 144.0



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: 46.800 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065819.D

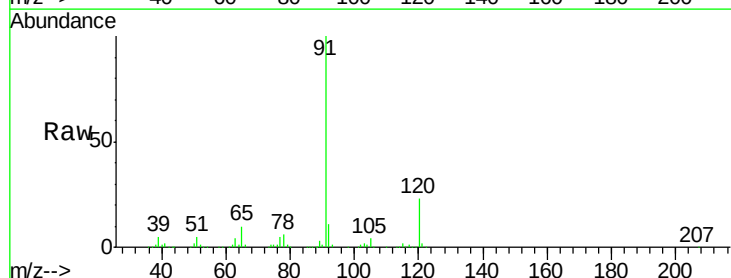
Acq: 18 Jun 2020 20:09

Tgt Ion: 91 Resp: 590102

Ion Ratio Lower Upper

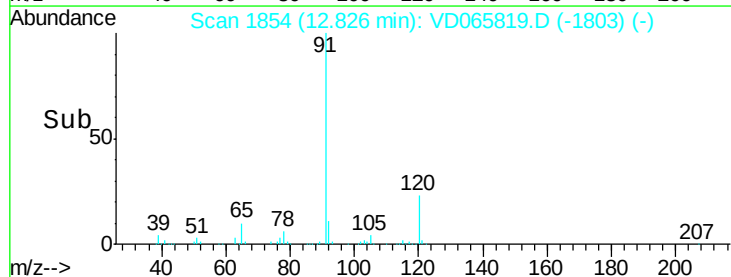
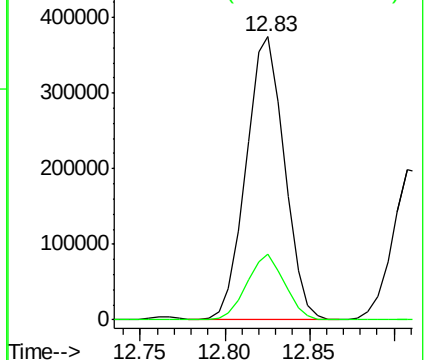
91 100

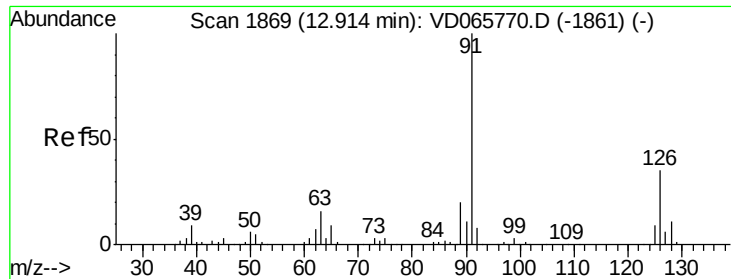
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.017 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

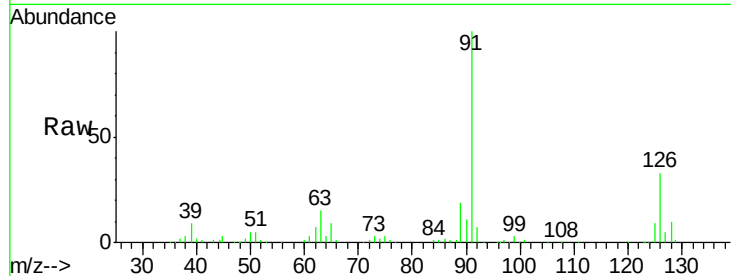
VSTDCCC050EC

Tot Ion: 91 Resp: 332143

Ion Ratio Lower Upper

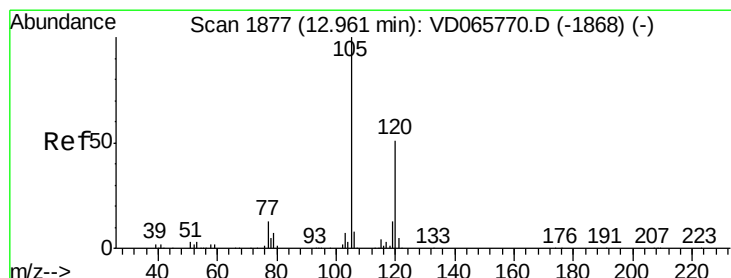
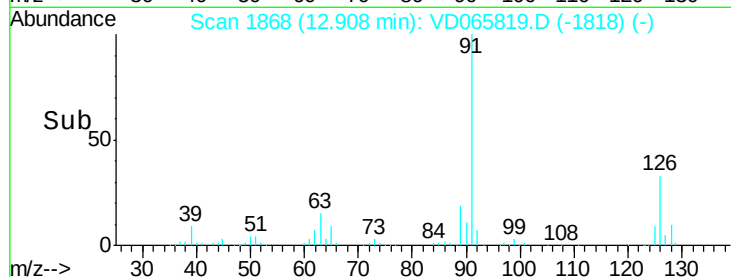
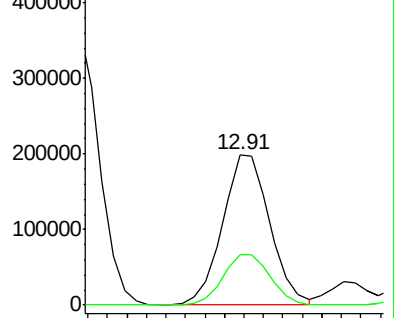
91 100

126 34.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.589 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD065819.D

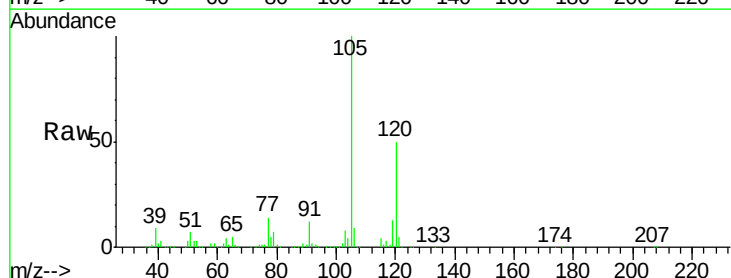
Acq: 18 Jun 2020 20:09

Tgt Ion: 105 Resp: 414834

Ion Ratio Lower Upper

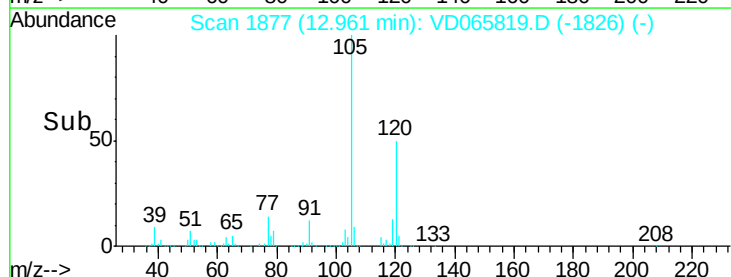
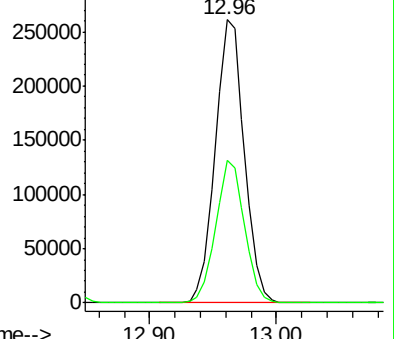
105 100

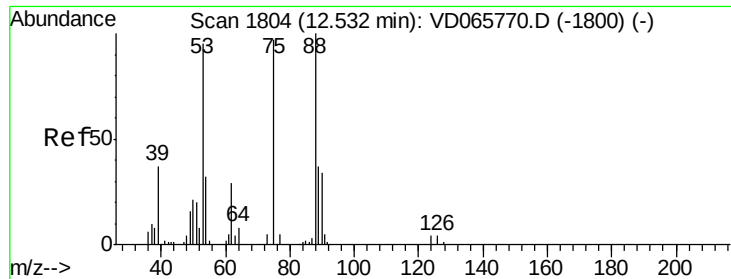
120 49.8 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

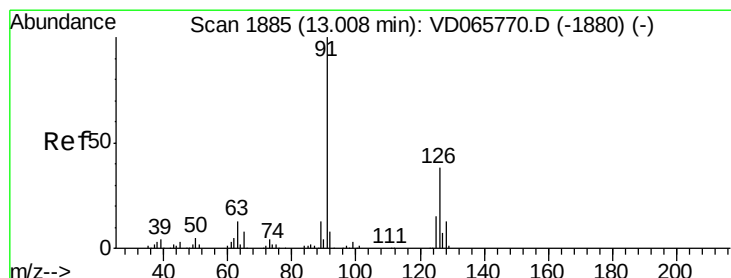
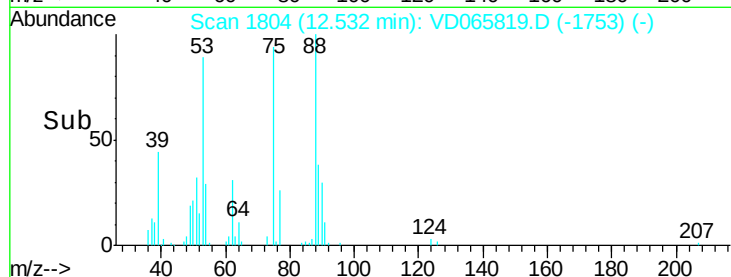
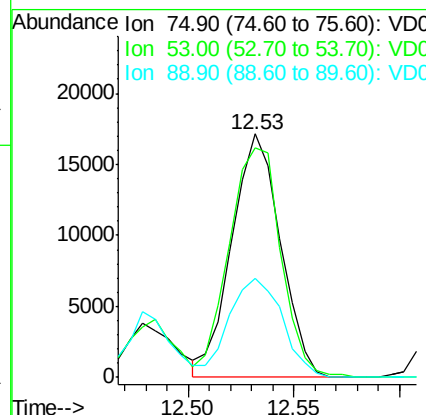
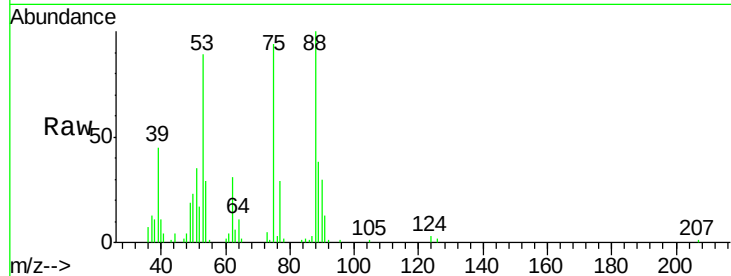




#81
trans-1,4-Dichloro-2-butene
Concen: 48.694 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

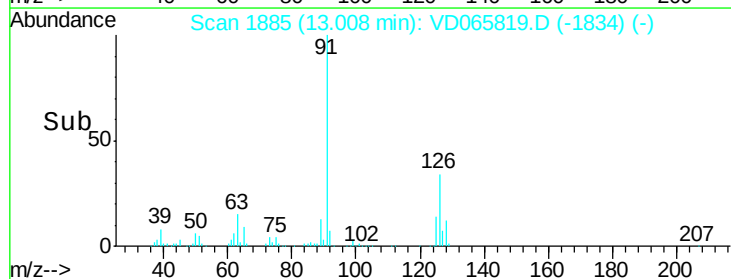
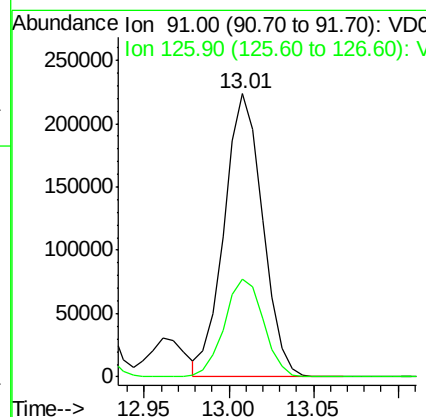
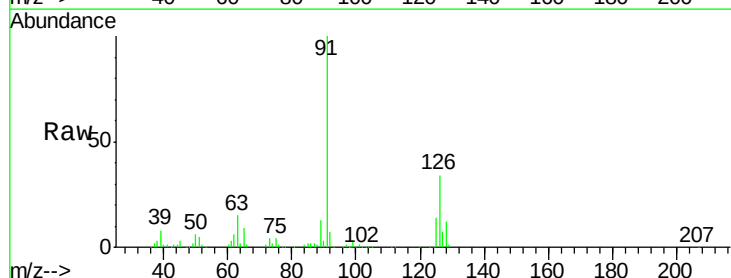
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

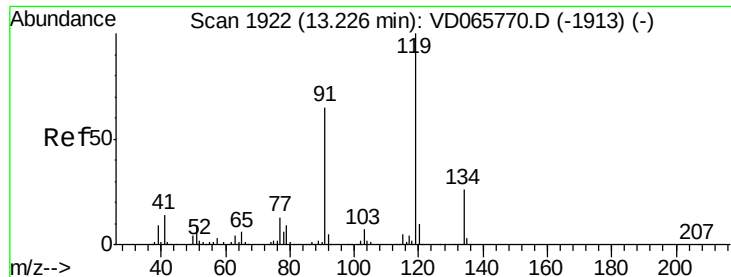
Tot Ion: 75 Resp: 27384
Ion Ratio Lower Upper
75 100
53 100.8 82.6 123.8
89 43.6 35.9 53.9



#82
4-Chlorotoluene
Concen: 47.690 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 91 Resp: 354078
Ion Ratio Lower Upper
91 100
126 35.2 17.6 52.8

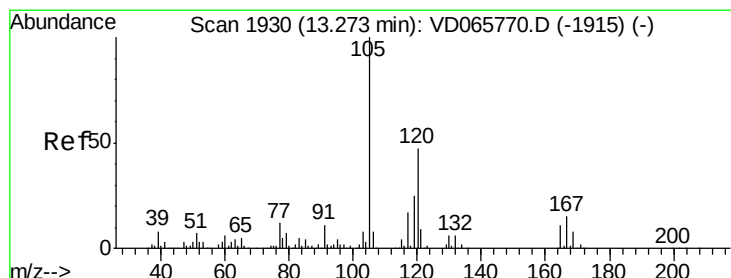
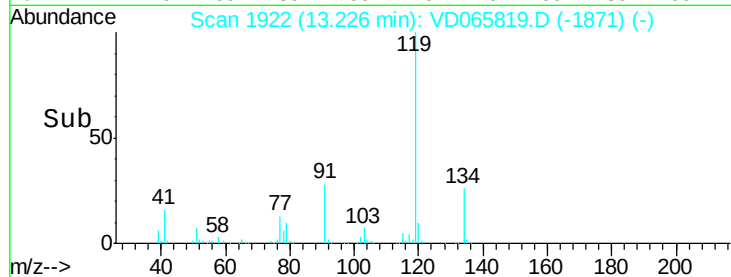
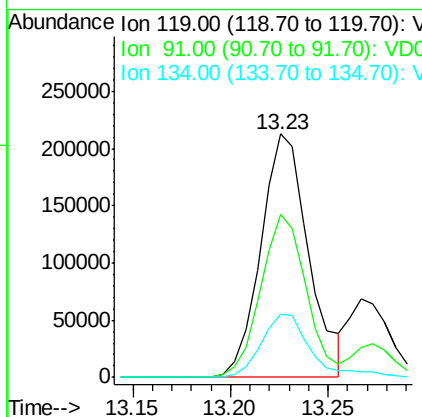
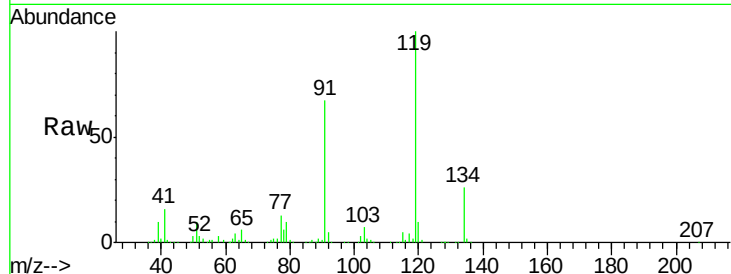




#83
 tert-Butylbenzene
 Concen: 47.685 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

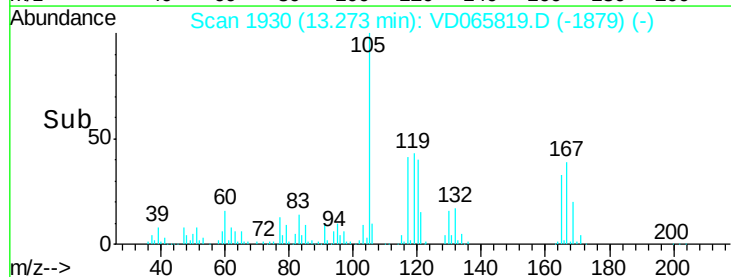
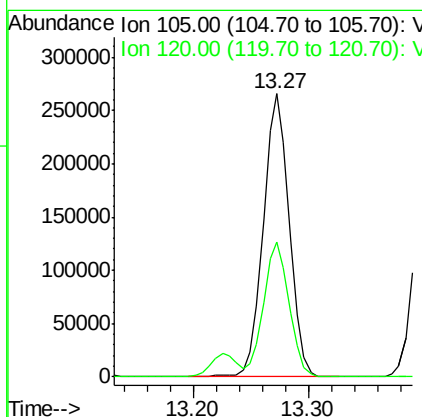
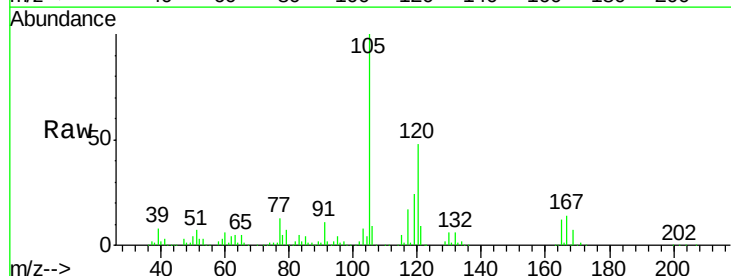
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

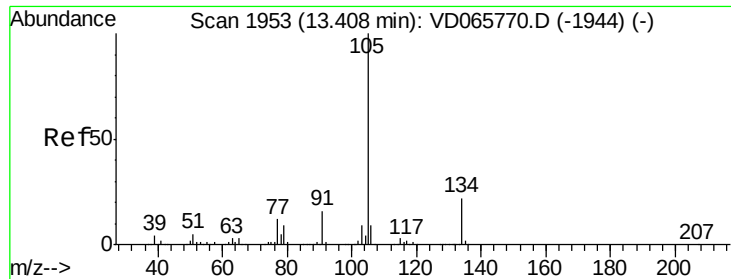
Tot Ion:119 Resp: 360676
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.0 96.0
 134 27.0 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 47.785 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion:105 Resp: 416929
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 46.997 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

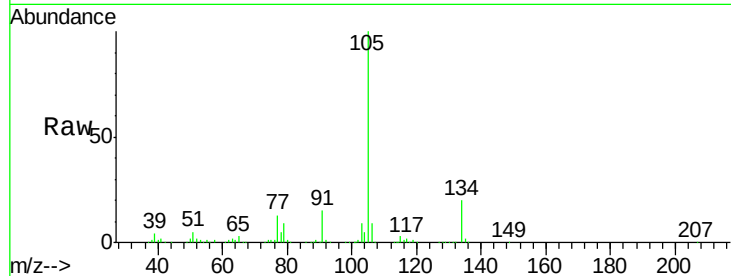
VSTDCCC050EC

Tot Ion:105 Resp: 494700

Ion Ratio Lower Upper

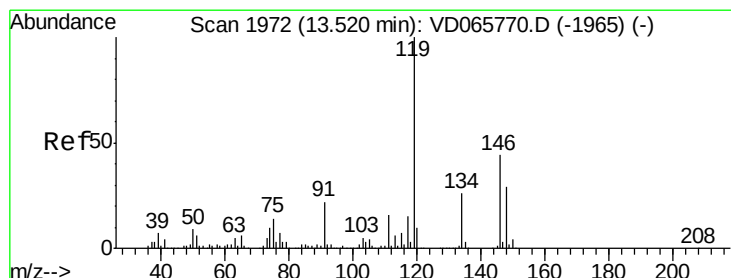
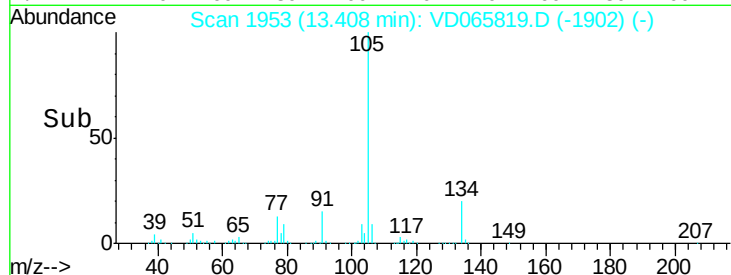
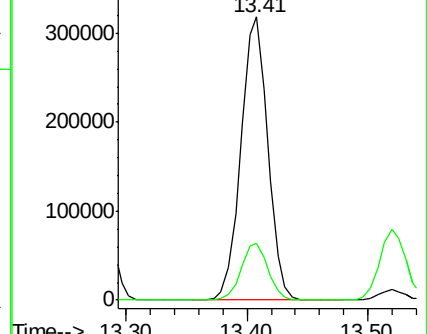
105 100

134 20.2 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: 47.969 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

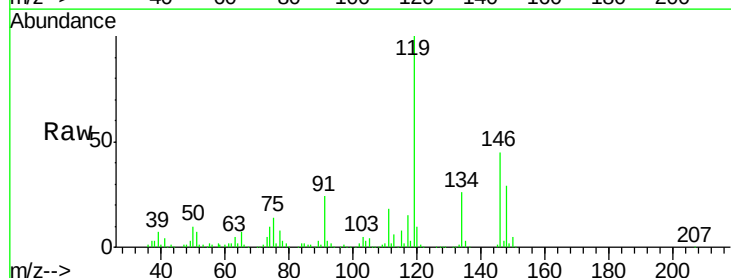
Tgt Ion:119 Resp: 462801

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

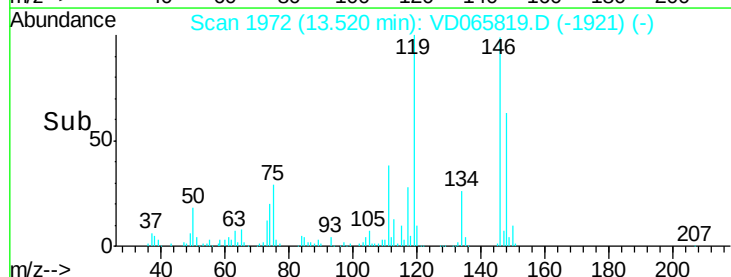
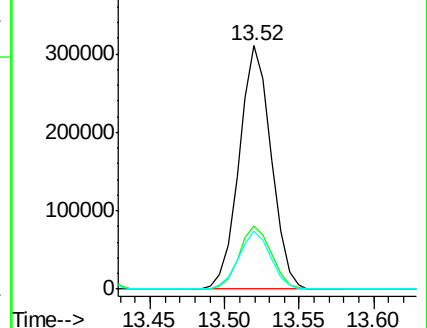
91 23.8 11.8 35.4

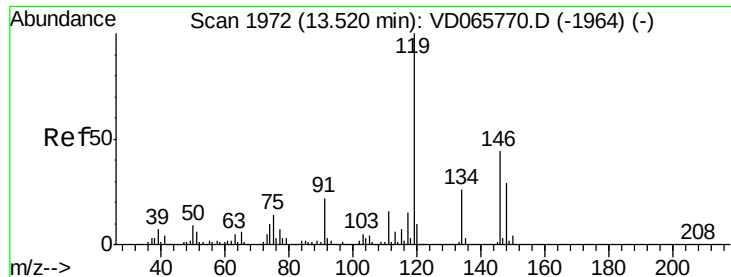


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

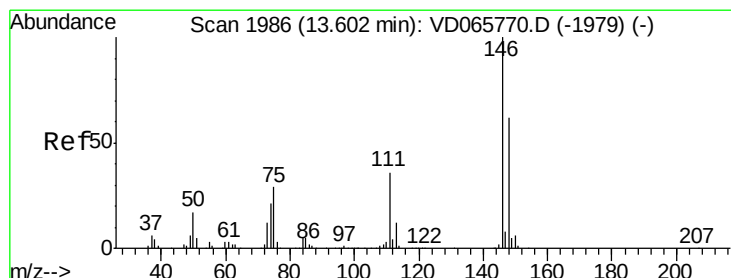
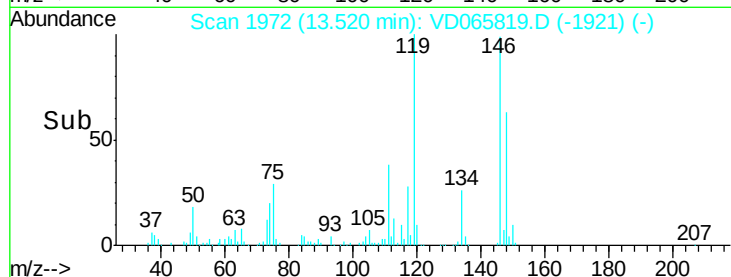
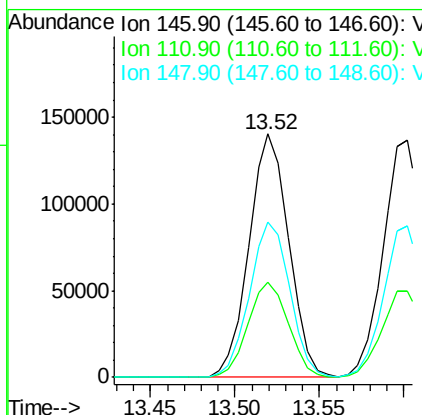
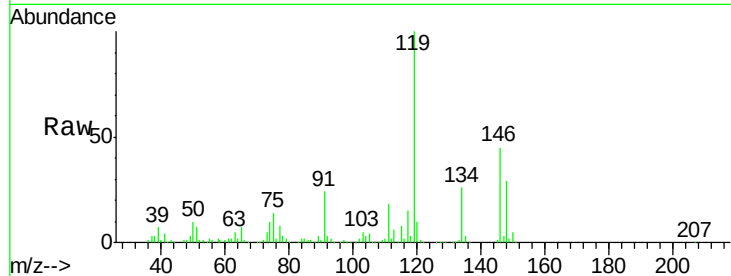




#87
 1,3-Dichlorobenzene
 Concen: 47.104 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

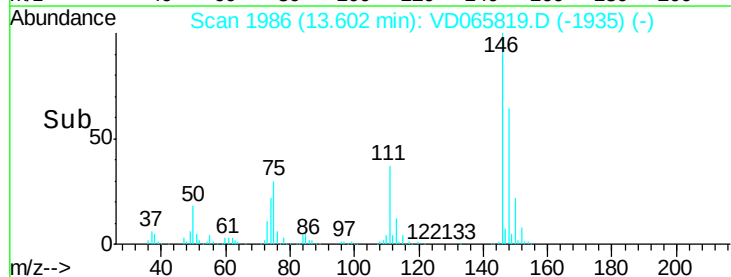
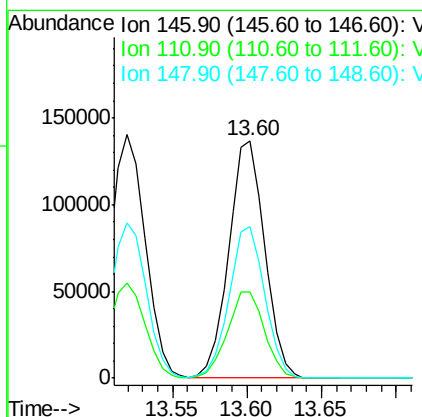
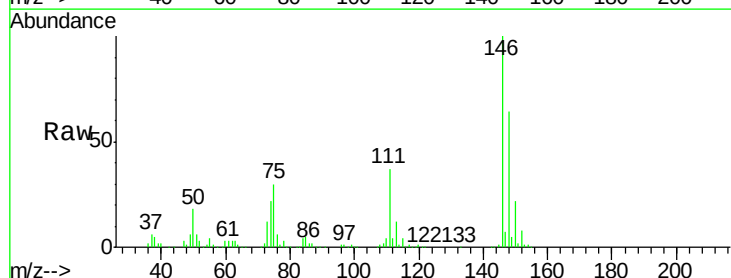
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

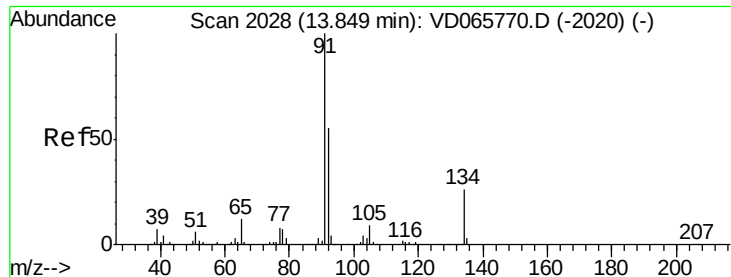
Tot Ion:146 Resp: 230189
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.2 57.6
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 47.312 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion:146 Resp: 229990
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.7
 148 63.4 31.6 94.7

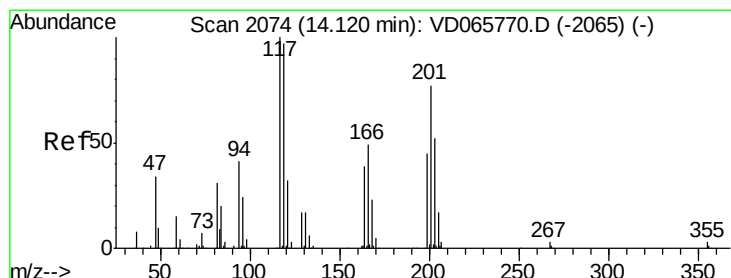
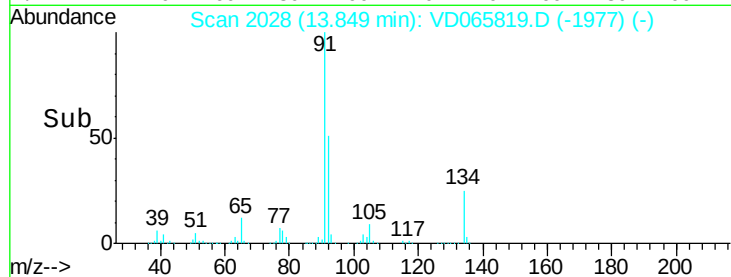
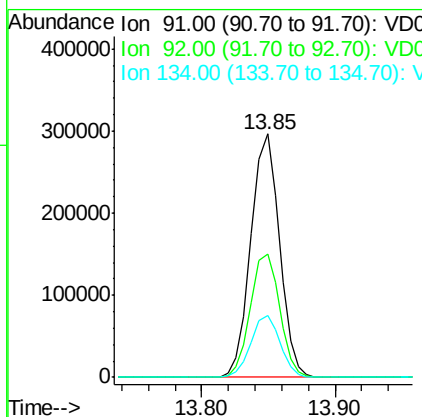
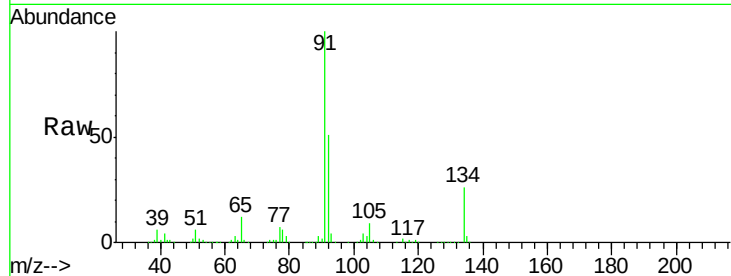




#89
n-Butylbenzene
Concen: 47.643 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

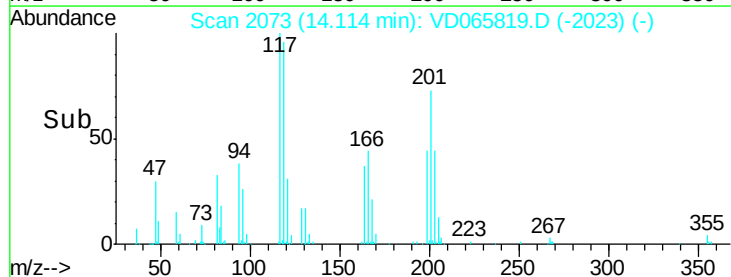
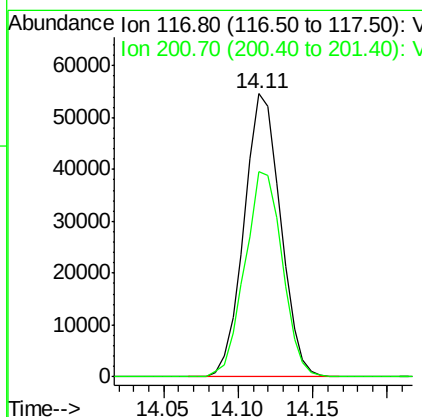
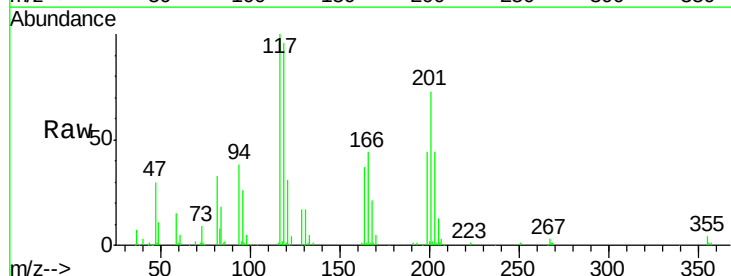
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

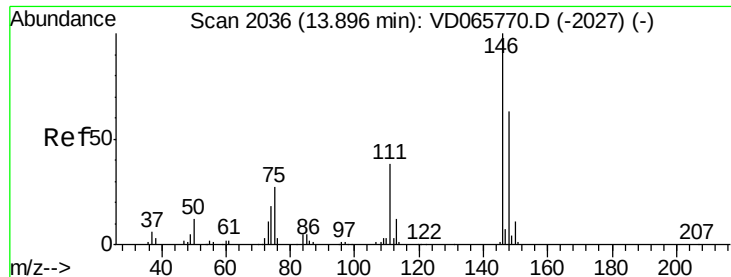
Tot Ion: 91 Resp: 438385
Ion Ratio Lower Upper
91 100
92 51.9 27.0 81.0
134 25.9 13.0 39.0



#90
Hexachloroethane
Concen: 47.767 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065819.D
Acq: 18 Jun 2020 20:09

Tgt Ion: 117 Resp: 92246
Ion Ratio Lower Upper
117 100
201 74.6 37.1 111.5

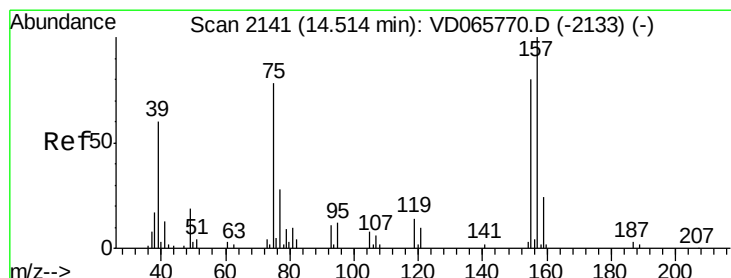
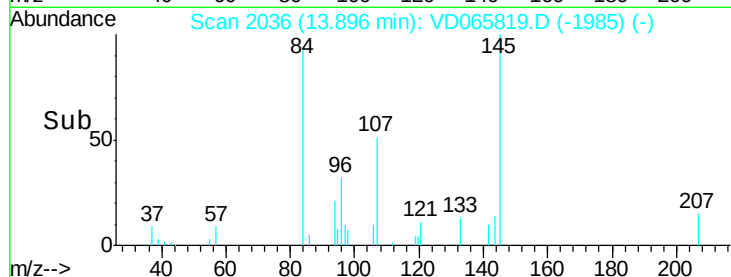
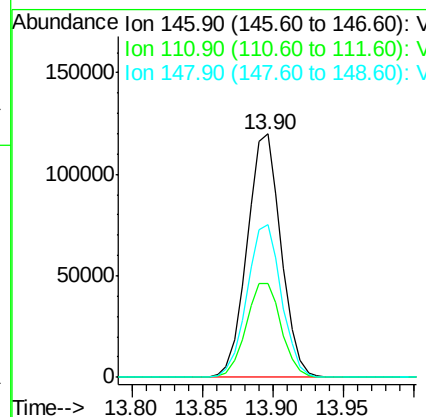
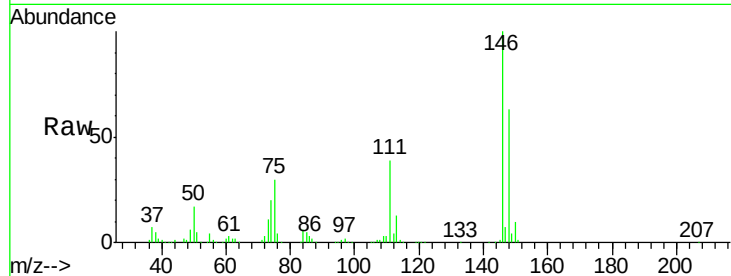




#91
 1,2-Dichlorobenzene
 Concen: 47.948 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

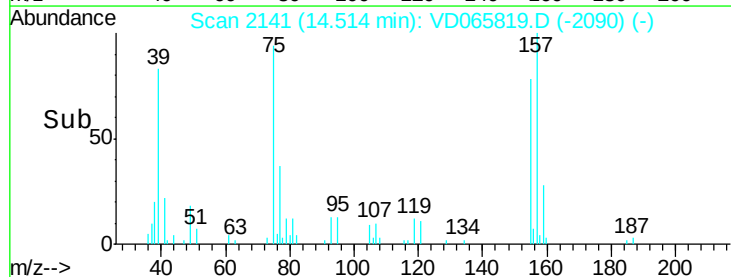
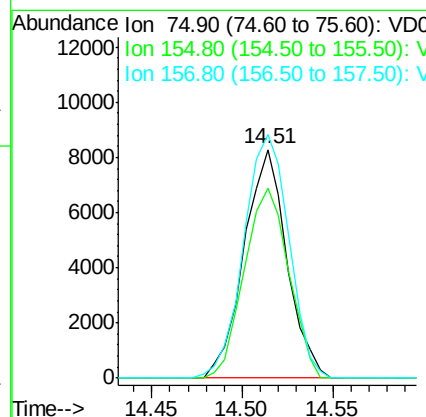
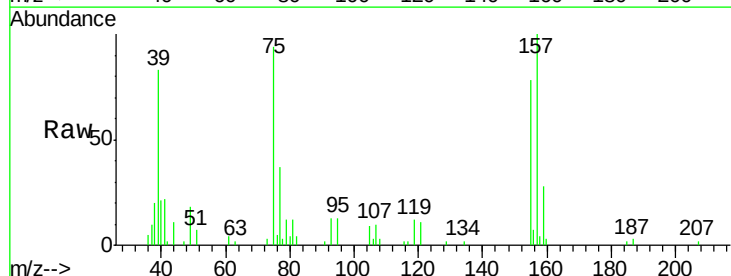
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

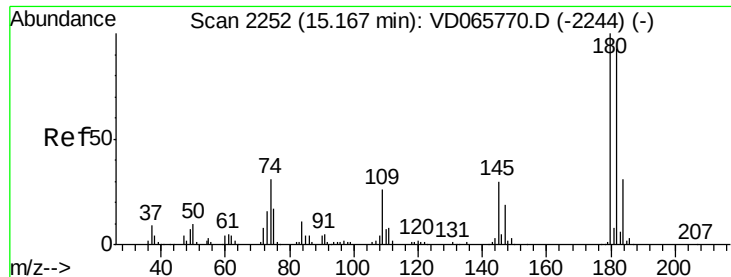
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.4
148	63.6	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.162 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	46.3	138.9
157	112.5	58.1	174.3

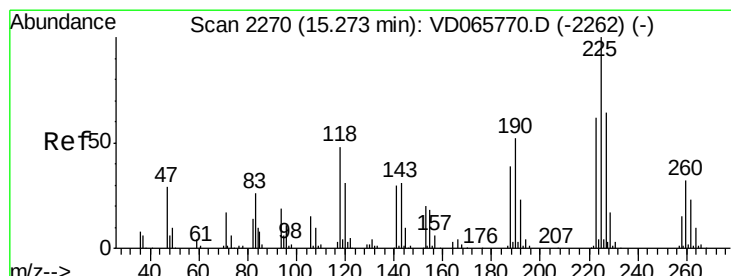
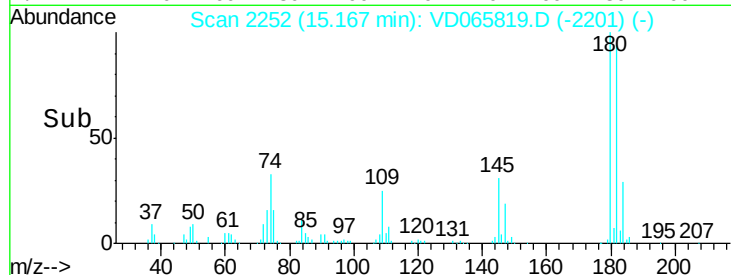
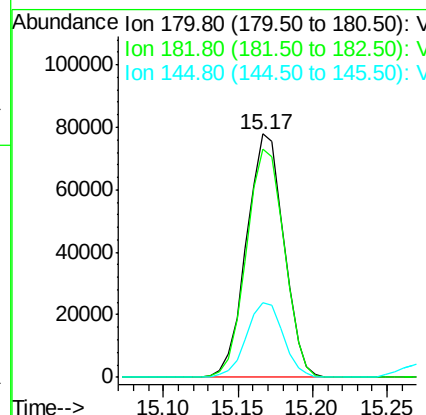
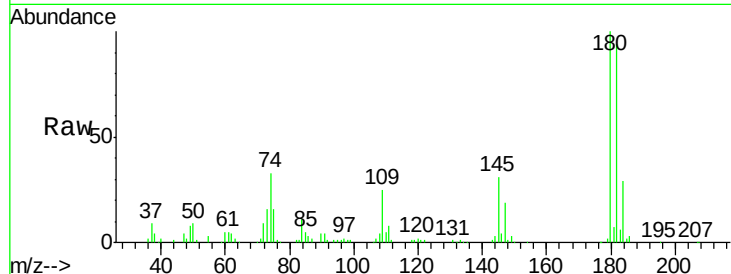




#93
 1,2,4-Trichlorobenzene
 Concen: 47.052 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

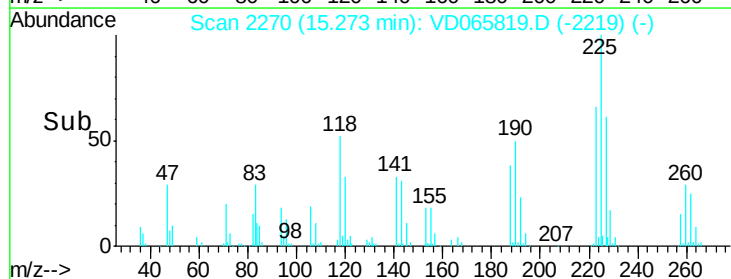
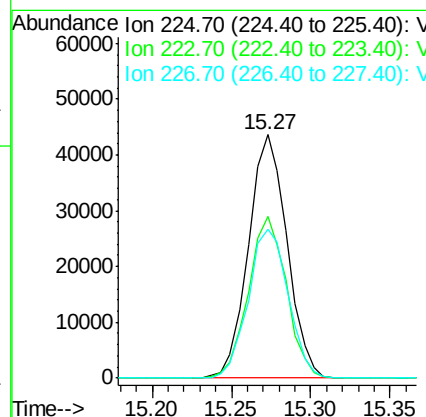
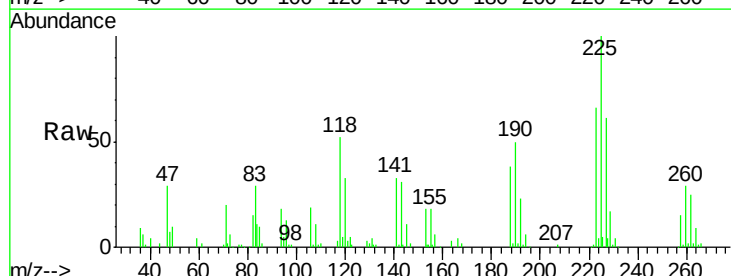
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

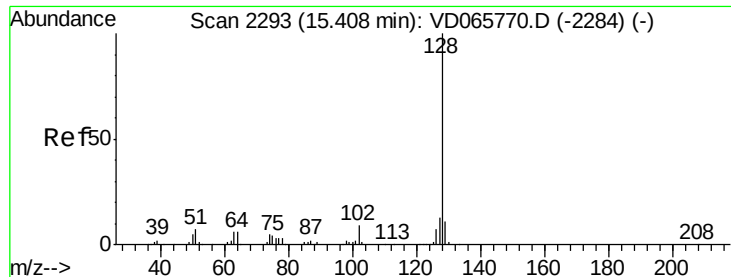
Tot Ion:180 Resp: 134548
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.2
 145 30.2 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 42.609 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065819.D
 Acq: 18 Jun 2020 20:09

Tgt Ion:225 Resp: 73655
 Ion Ratio Lower Upper
 225 100
 223 65.4 30.9 92.7
 227 63.5 31.9 95.7





#95

Naphthalene

Concen: 48.462 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

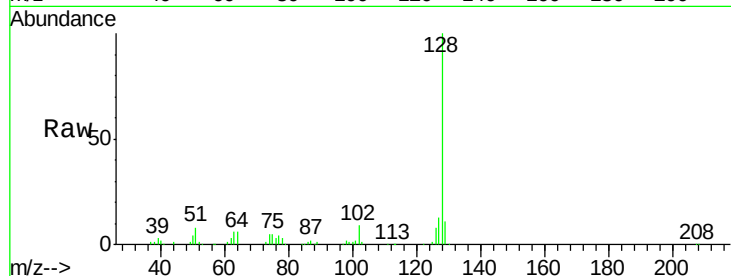
Tot Ion:128 Resp: 234739

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

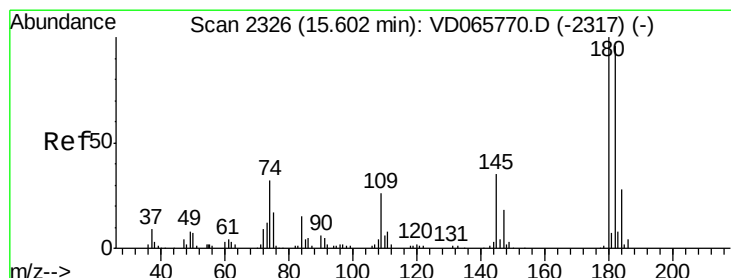
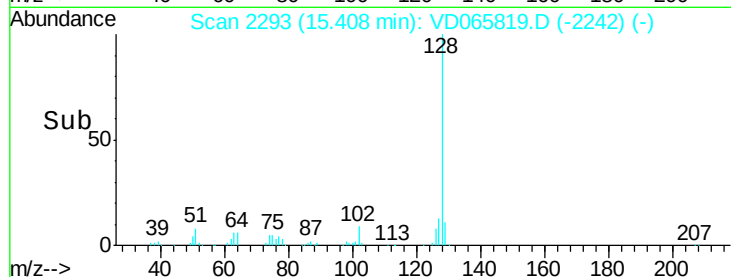
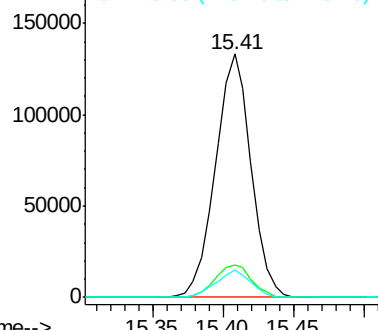
129 11.0 8.6 12.8



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: 46.688 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

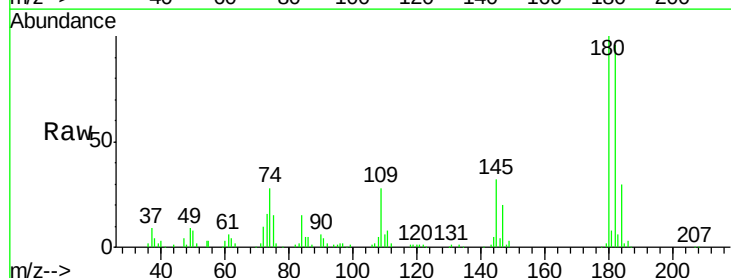
Tgt Ion:180 Resp: 114985

Ion Ratio Lower Upper

180 100

182 93.3 47.0 141.2

145 32.5 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

