

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065736.D
 Acq On : 14 May 2020 12:05
 Operator : VA/SY
 Sample : VD0514SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Quant Time: May 15 06:20:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	351421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	514565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	138820	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.91	113	148336	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.34	98	568393	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.64	95	186756	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	44378	19.248	ug/l	100
3) Chloromethane	2.21	50	66484	20.120	ug/l	99
4) Vinyl Chloride	2.34	62	72979	20.396	ug/l	98
5) Bromomethane	2.76	94	49898	21.107	ug/l	97
6) Chloroethane	2.91	64	48824	21.038	ug/l	93
7) Trichlorofluoromethane	3.27	101	100223	20.261	ug/l	94
8) Diethyl Ether	3.71	74	28485	20.041	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62397	20.522	ug/l	99
10) Methyl Iodide	4.30	142	54168	17.054	ug/l	100
11) Tert butyl alcohol	5.21	59	28453	88.364	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	59265	20.551	ug/l	96
13) Acrolein	3.91	56	19090	111.964	ug/l	99
14) Allyl chloride	4.71	41	100302	20.116	ug/l	99
15) Acrylonitrile	5.41	53	60536	96.412	ug/l	99
16) Acetone	4.16	43	53013	91.263	ug/l	96
17) Carbon Disulfide	4.40	76	184143	20.217	ug/l	99
18) Methyl Acetate	4.71	43	28889	19.547	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	131274	19.512	ug/l	100
20) Methylene Chloride	4.96	84	72387	22.089	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	68227	20.548	ug/l	94
22) Diisopropyl ether	6.36	45	191900	20.215	ug/l	96
23) Vinyl Acetate	6.30	43	542243	97.117	ug/l	99
24) 1,1-Dichloroethane	6.26	63	113118	20.352	ug/l	99
25) 2-Butanone	7.21	43	78249	94.236	ug/l	94
26) 2,2-Dichloropropane	7.21	77	104839	20.323	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	75313	20.699	ug/l	99
28) Bromochloromethane	7.54	49	42652	18.665	ug/l	98
29) Tetrahydrofuran	7.56	42	50154	95.266	ug/l	100
30) Chloroform	7.71	83	115059	20.484	ug/l	97
31) Cyclohexane	7.98	56	114294	20.315	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	109011	20.717	ug/l	98
36) 1,1-Dichloropropene	8.11	75	94943	21.246	ug/l	99
37) Ethyl Acetate	7.30	43	38832	20.284	ug/l	97
38) Carbon Tetrachloride	8.10	117	101791	21.476	ug/l	98

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 Data File : VD065736.D
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 Sample : VD0514SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

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 ClientSampleId :
 VD0514SBS01

Quant Time: May 15 06:20:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	117790	20.568	ug/l	98
40) Benzene	8.35	78	258647	21.049	ug/l	99
41) Methacrylonitrile	7.52	41	18395	17.447	ug/l	91
42) 1,2-Dichloroethane	8.43	62	69840	20.413	ug/l	98
43) Isopropyl Acetate	8.45	43	72755	19.174	ug/l	98
44) Trichloroethene	9.11	130	77849	21.162	ug/l	99
45) 1,2-Dichloropropane	9.39	63	63151	20.844	ug/l	98
46) Dibromomethane	9.48	93	33216	20.332	ug/l	98
47) Bromodichloromethane	9.67	83	86674	20.269	ug/l #	97
48) Methyl methacrylate	9.46	41	37495	21.051	ug/l	96
49) 1,4-Dioxane	9.46	88	7276	377.470	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	178387	98.240	ug/l	99
52) Toluene	10.41	92	170798	21.217	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	83582	20.008	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	103429	20.815	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	45438	20.417	ug/l	98
56) Ethyl methacrylate	10.66	69	57137	19.698	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	80127	20.700	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	128524	95.240	ug/l	100
59) 2-Hexanone	10.98	43	119983	97.032	ug/l	99
60) Dibromochloromethane	11.14	129	62119	20.843	ug/l	99
61) 1,2-Dibromoethane	11.25	107	44466	20.005	ug/l	99
64) Tetrachloroethene	10.88	164	65880	20.740	ug/l	97
65) Chlorobenzene	11.67	112	180097	20.805	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	66086	20.391	ug/l	98
67) Ethyl Benzene	11.75	91	327019	21.187	ug/l	98
68) m/p-Xylenes	11.86	106	249769	42.368	ug/l	100
69) o-Xylene	12.18	106	115450	21.037	ug/l	97
70) Styrene	12.20	104	196195	20.948	ug/l	98
71) Bromoform	12.36	173	36057	20.158	ug/l #	99
73) Isopropylbenzene	12.48	105	325867	21.943	ug/l	99
74) N-amyl acetate	12.29	43	68821	19.959	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	47849	20.357	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	37786m	22.888	ug/l	
77) Bromobenzene	12.77	156	74412	20.788	ug/l	99
78) n-propylbenzene	12.83	91	374153	21.568	ug/l	99
79) 2-Chlorotoluene	12.91	91	207811	21.650	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	260429	21.283	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	16752	19.907	ug/l	96
82) 4-Chlorotoluene	13.01	91	217427	21.485	ug/l	99
83) tert-Butylbenzene	13.23	119	232393	21.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	256751	21.276	ug/l	100
85) sec-Butylbenzene	13.41	105	318297	21.558	ug/l	99
86) p-Isopropyltoluene	13.52	119	293942	21.660	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	142967	21.294	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	141684	21.187	ug/l	97
89) n-Butylbenzene	13.85	91	271500	21.395	ug/l	100
90) Hexachloroethane	14.12	117	57414	21.625	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	120463	20.744	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7821	19.898	ug/l	95

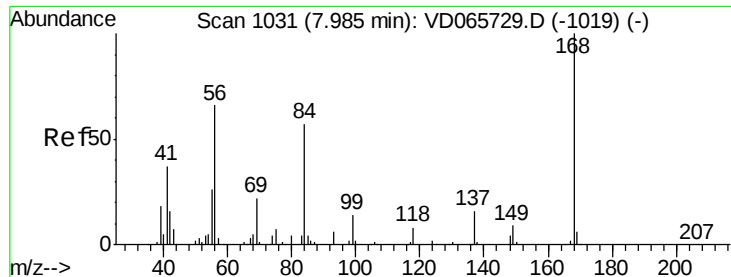
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
Data File : VD065736.D
Acq On : 14 May 2020 12:05
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
Quant Title : SW846 8260
QLast Update : Wed May 13 14:28:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	90277	20.435	ug/l	98
94) Hexachlorobutadiene	15.28	225	55013	20.771	ug/l	100
95) Naphthalene	15.41	128	144760	19.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	76947	20.429	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

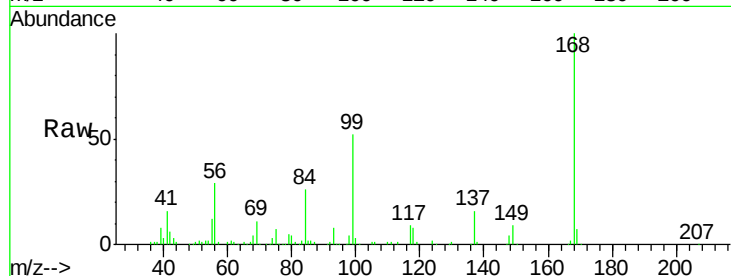
VD0514SBS01

Tot Ion:168 Resp: 351421

Ion Ratio Lower Upper

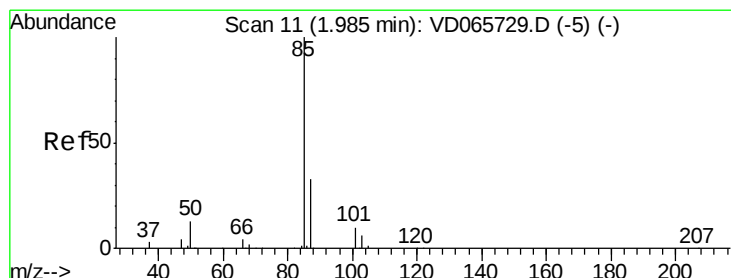
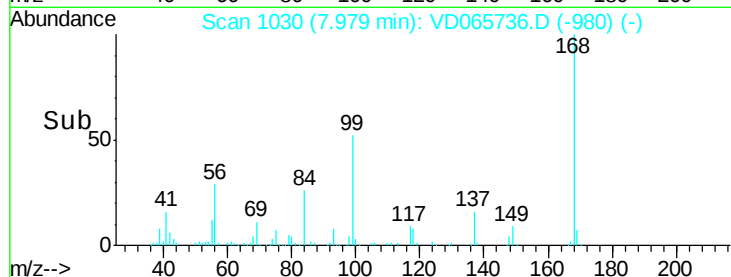
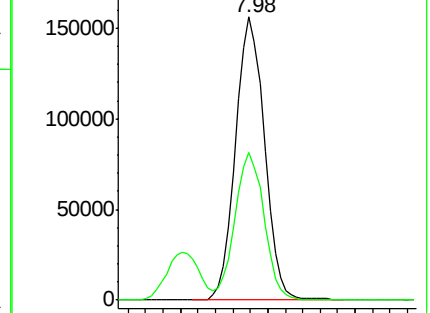
168 100

99 52.0 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.248 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065736.D

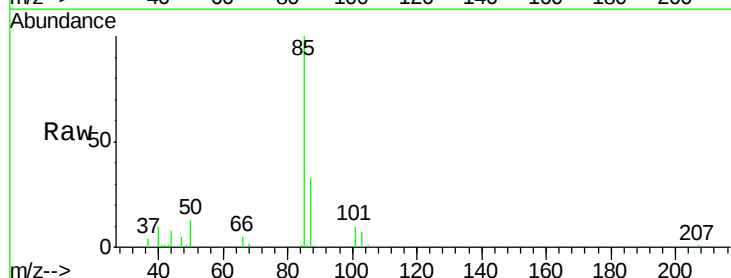
Acq: 14 May 2020 12:05

Tgt Ion: 85 Resp: 44378

Ion Ratio Lower Upper

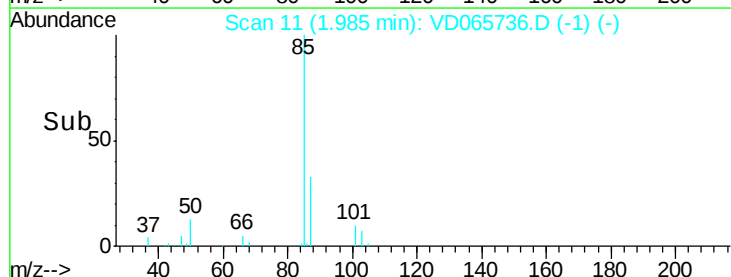
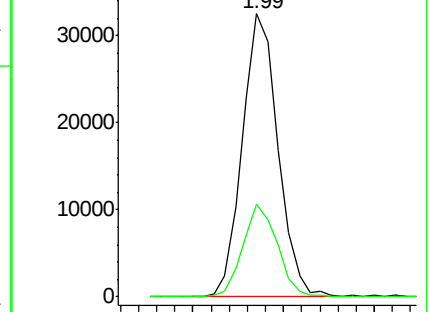
85 100

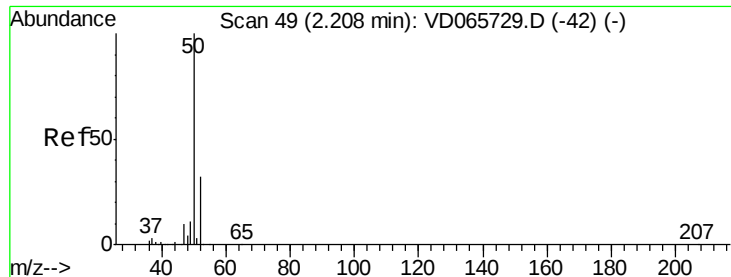
87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.120 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

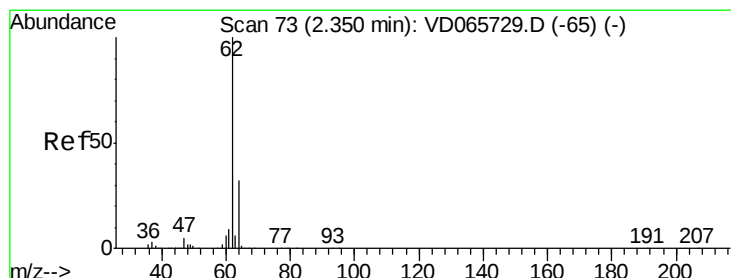
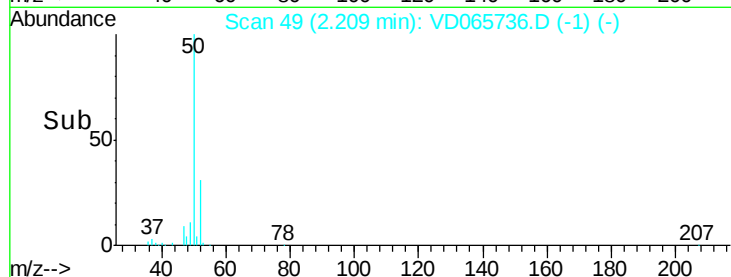
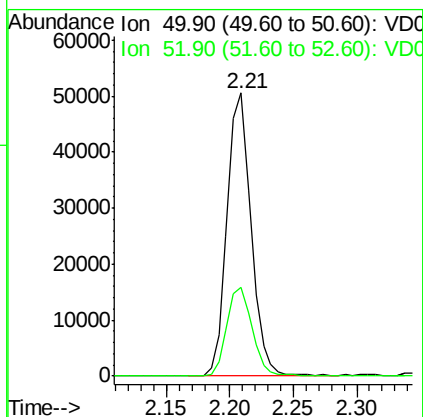
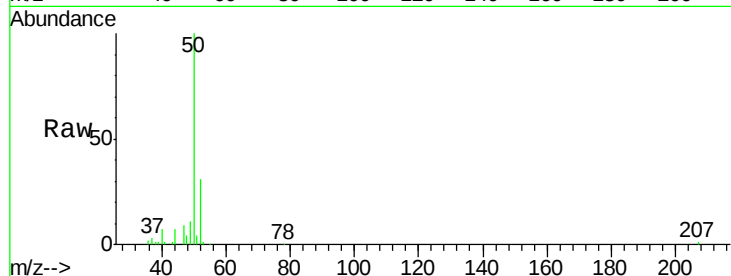
VD0514SBS01

Tot Ion: 50 Resp: 66484

Ion Ratio Lower Upper

50 100

52 31.2 25.5 38.3



#4

Vinyl Chloride

Concen: 20.396 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065736.D

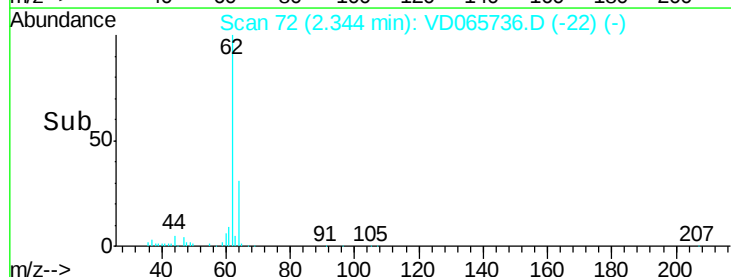
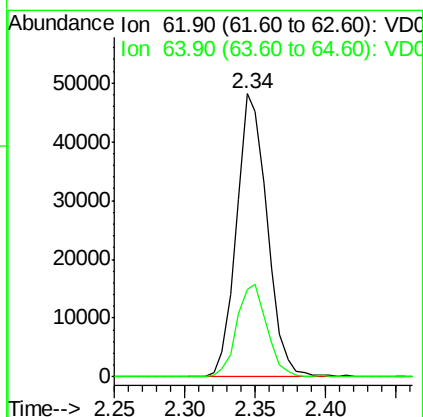
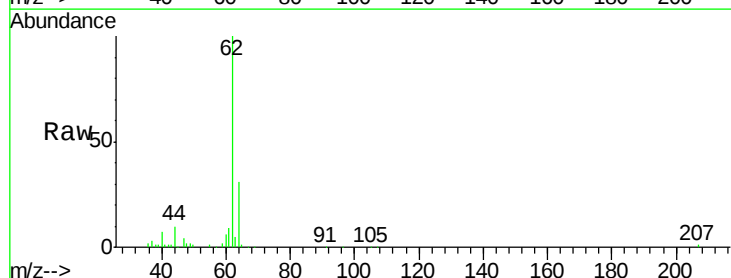
Acq: 14 May 2020 12:05

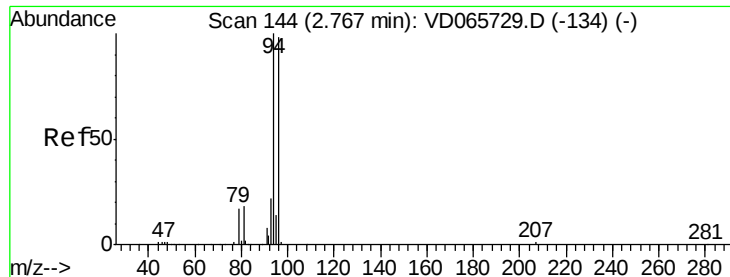
Tgt Ion: 62 Resp: 72979

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.6





#5

Bromomethane

Concen: 21.107 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

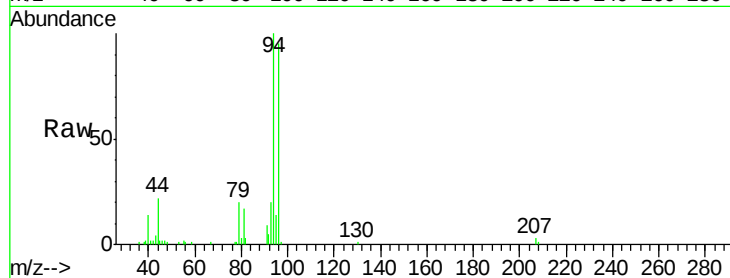
VD0514SBS01

Tot Ion: 94 Resp: 49898

Ion Ratio Lower Upper

94 100

96 94.9 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

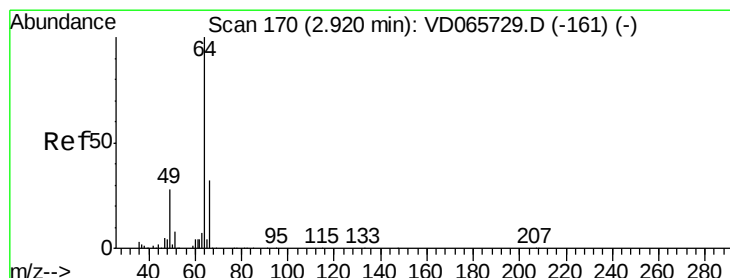
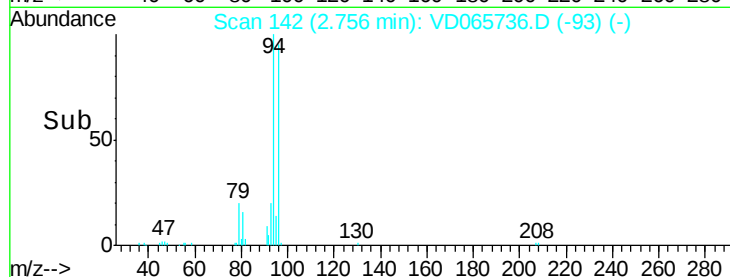
10000

5000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 21.038 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065736.D

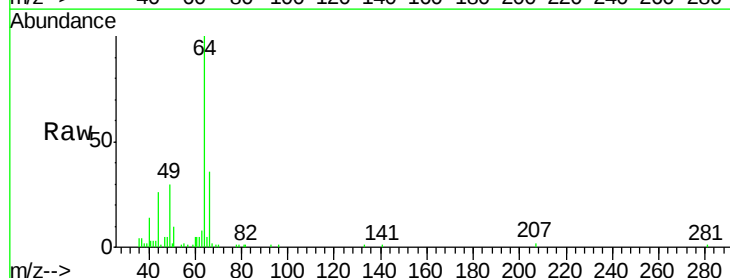
Acq: 14 May 2020 12:05

Tgt Ion: 64 Resp: 48824

Ion Ratio Lower Upper

64 100

66 35.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

25000

20000

15000

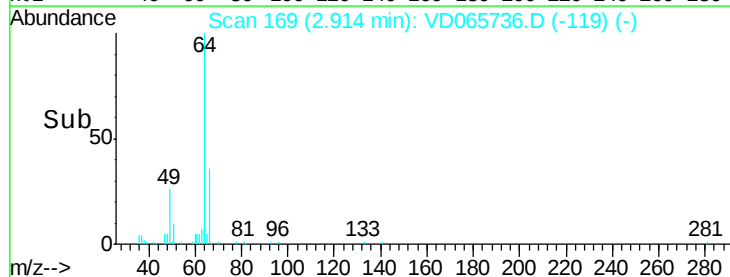
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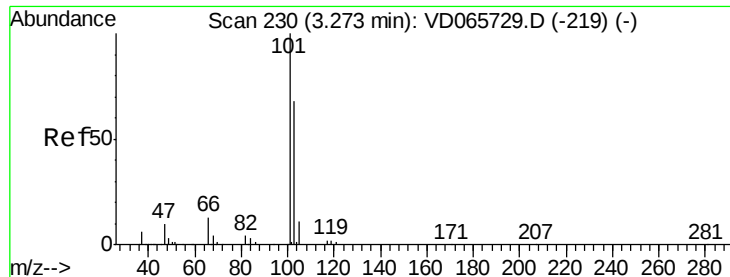
5000

0

Time-->

2.80 2.90 3.00



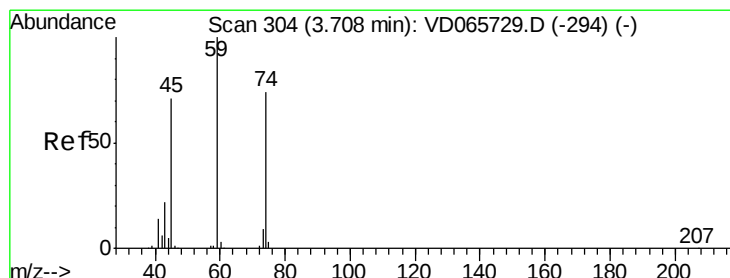
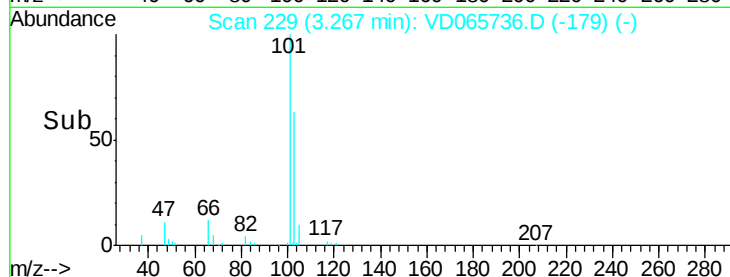
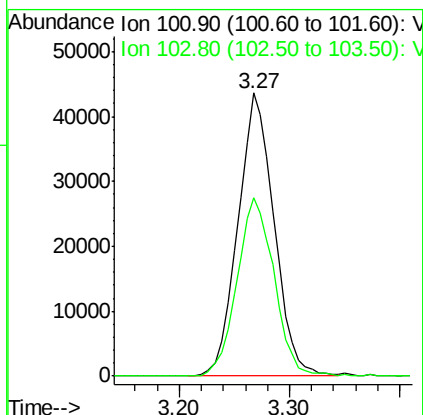
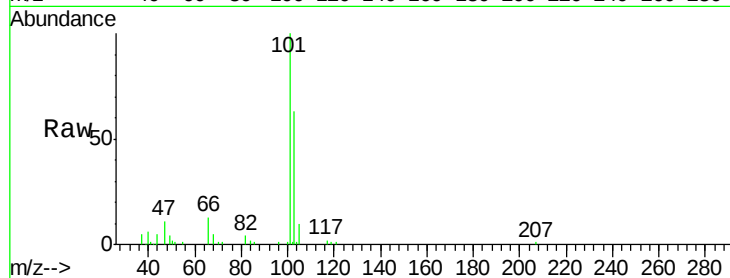


#7

Trichlorofluoromethane
 Concen: 20.261 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

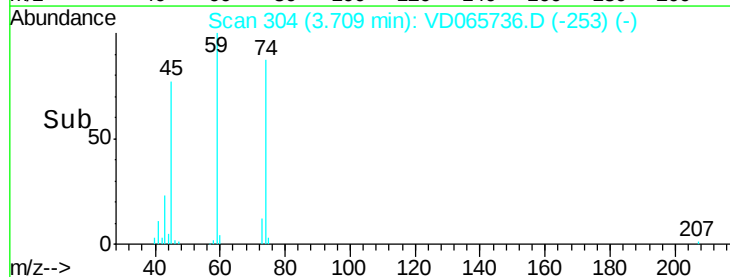
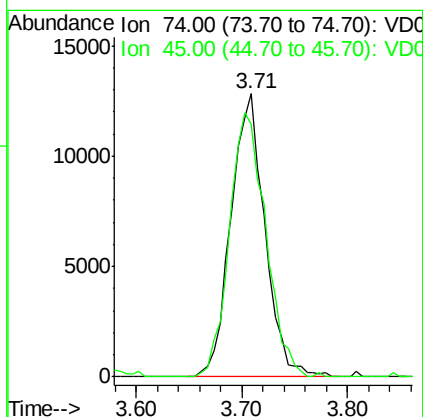
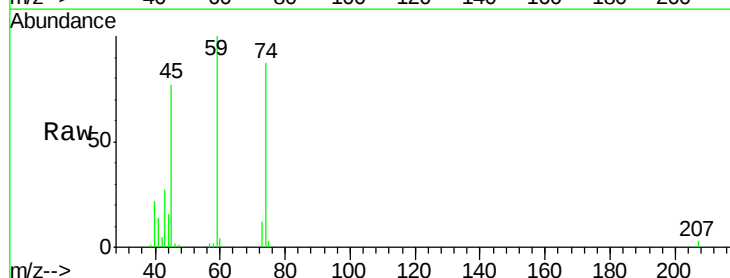
Tot Ion:101 Resp: 100223
 Ion Ratio Lower Upper
 101 100
 103 63.0 54.1 81.1

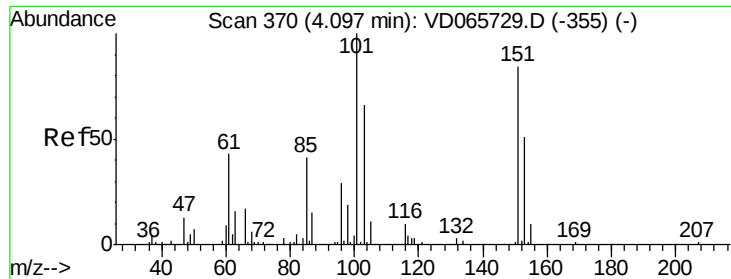


#8

Diethyl Ether
 Concen: 20.041 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Tgt Ion: 74 Resp: 28485
 Ion Ratio Lower Upper
 74 100
 45 99.8 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.522 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

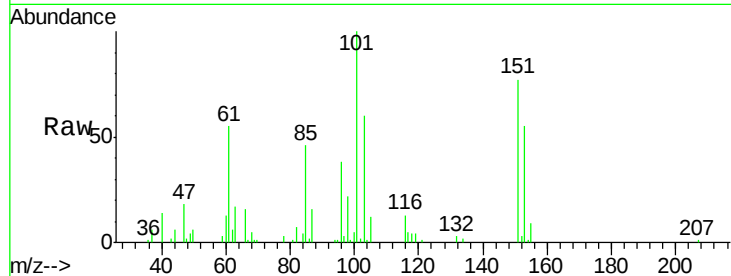
Tot Ion:101 Resp: 62397

Ion Ratio Lower Upper

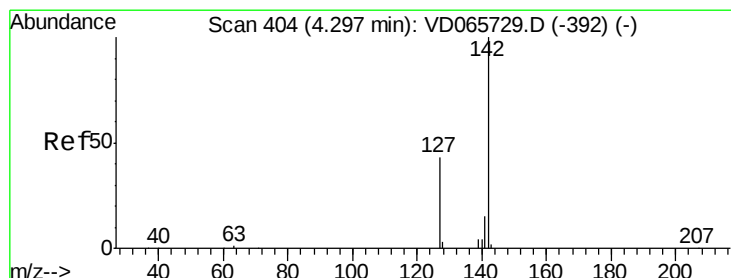
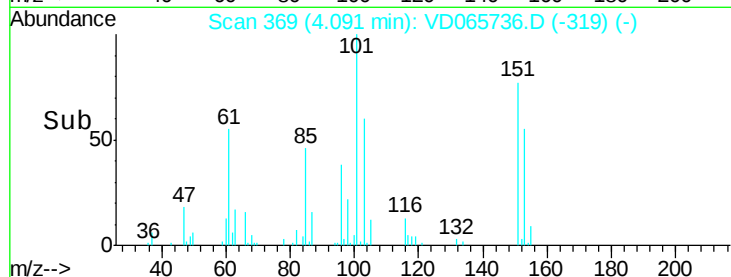
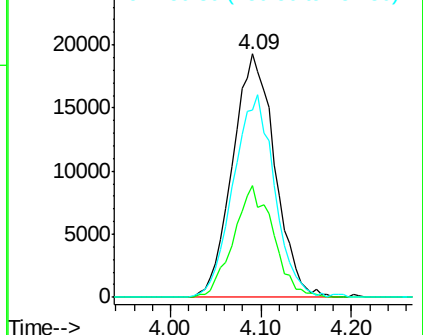
101 100

85 43.3 34.1 51.1

151 81.3 65.1 97.7



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: 17.054 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

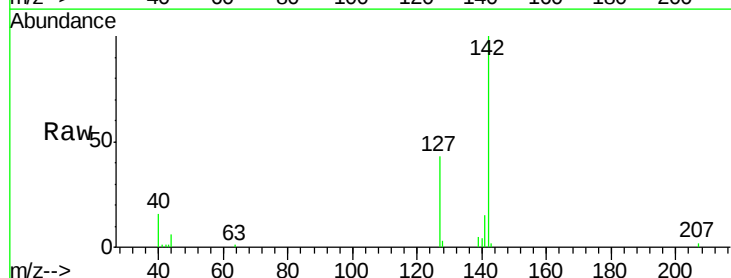
Tgt Ion:142 Resp: 54168

Ion Ratio Lower Upper

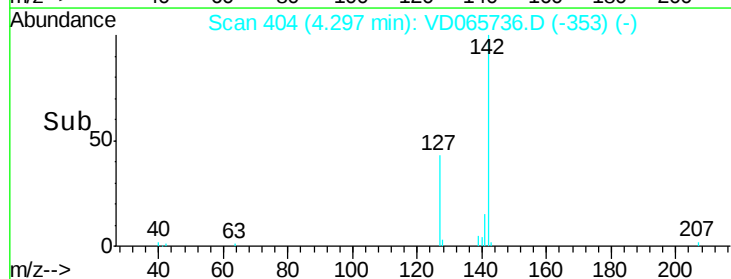
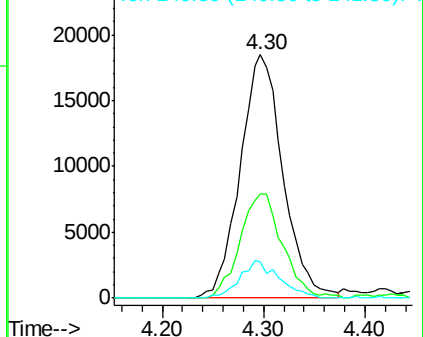
142 100

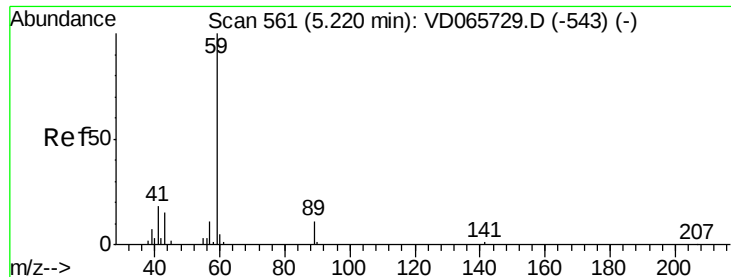
127 42.7 34.2 51.4

141 14.2 11.7 17.5



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

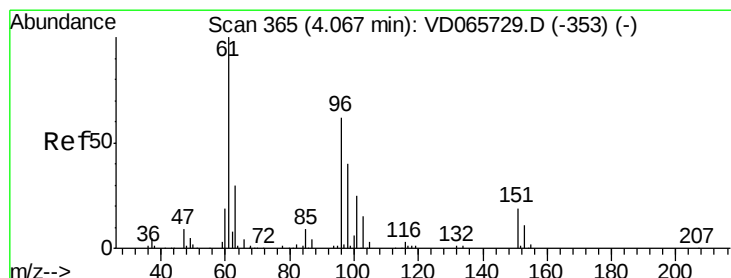
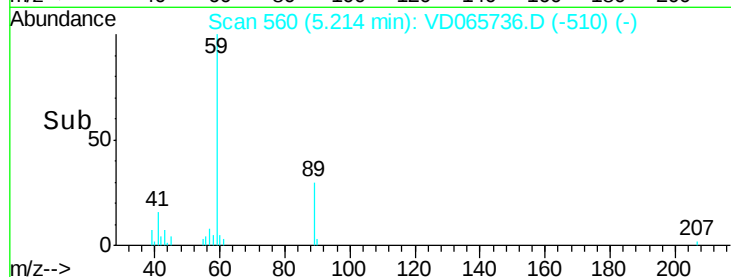
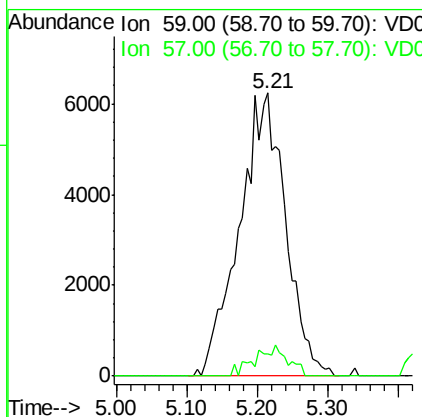
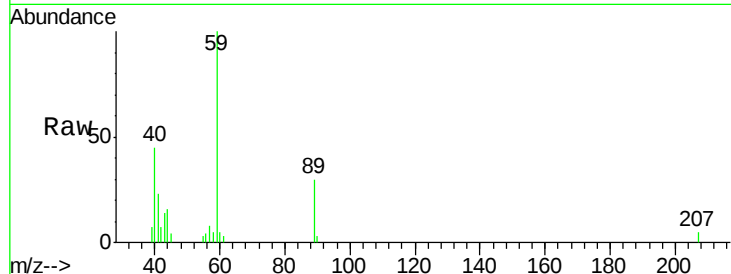




#11
Tert butyl alcohol
Concen: 88.364 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

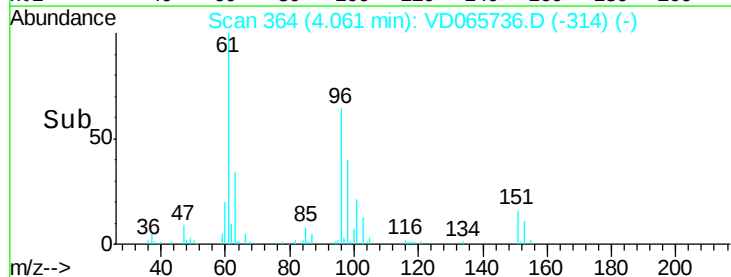
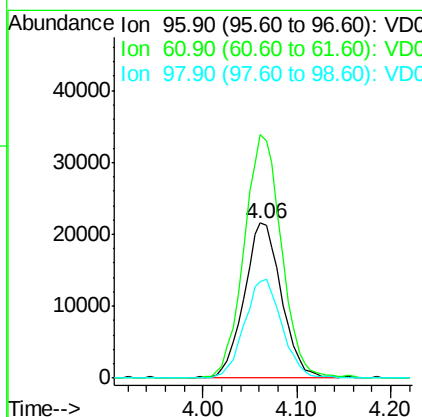
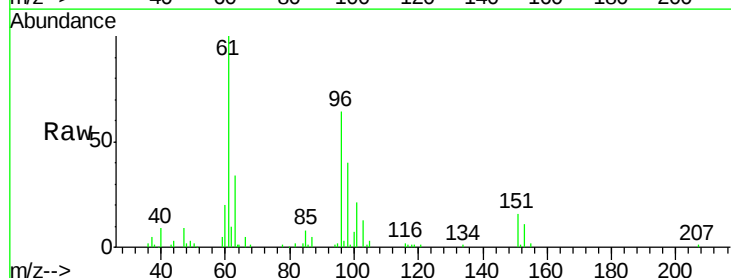
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

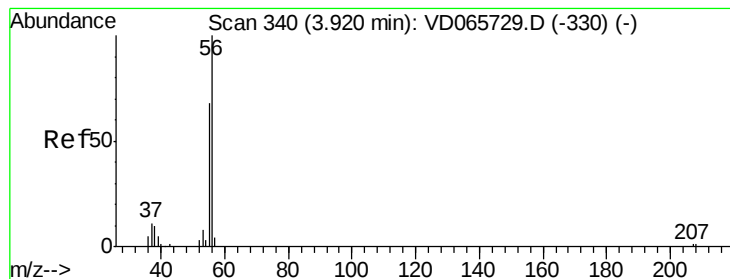
Tot Ion: 59 Resp: 28453
Ion Ratio Lower Upper
59 100
57 3.4 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 20.551 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 96 Resp: 59265
Ion Ratio Lower Upper
96 100
61 157.0 130.0 195.0
98 62.6 52.3 78.5





#13

Acrolein

Concen: 111.964 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

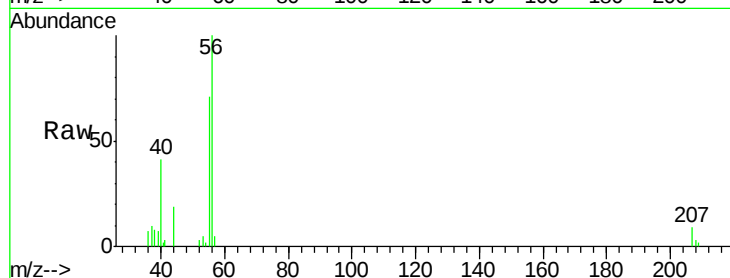
VD0514SBS01

Tot Ion: 56 Resp: 19090

Ion Ratio Lower Upper

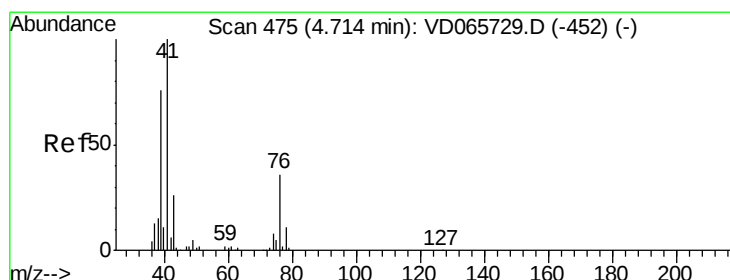
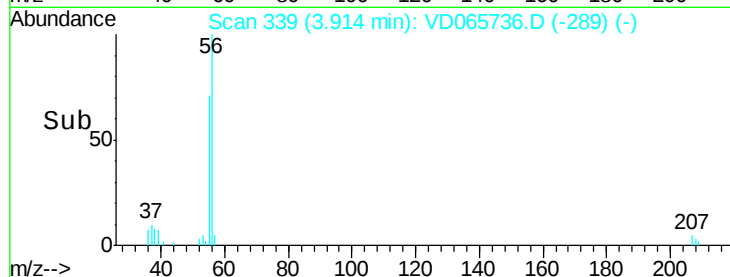
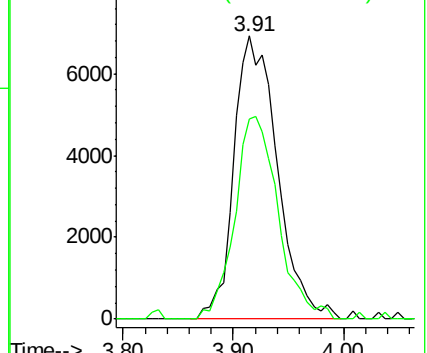
56 100

55 71.7 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.116 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

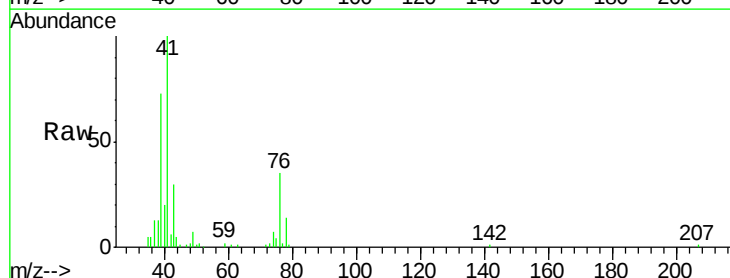
Tgt Ion: 41 Resp: 100302

Ion Ratio Lower Upper

41 100

39 73.0 57.4 86.2

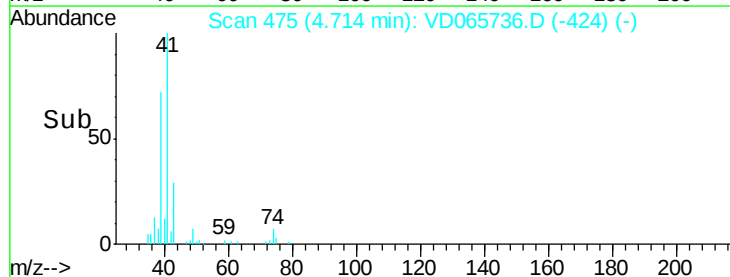
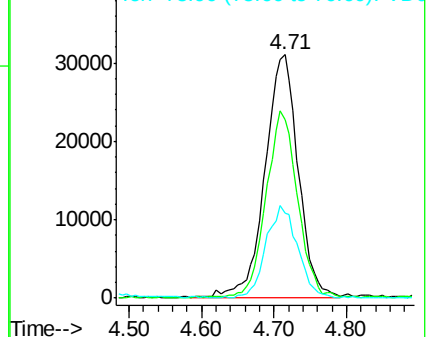
76 35.8 28.4 42.6

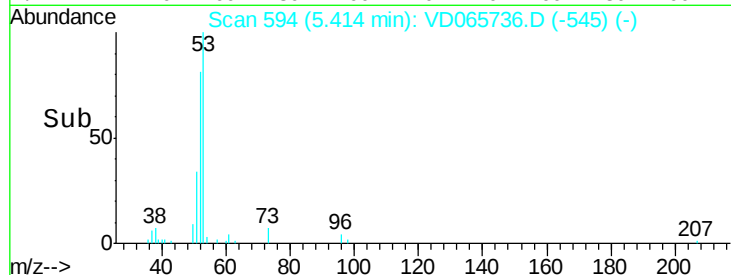
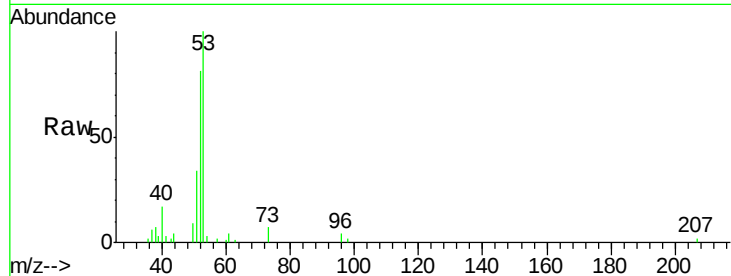
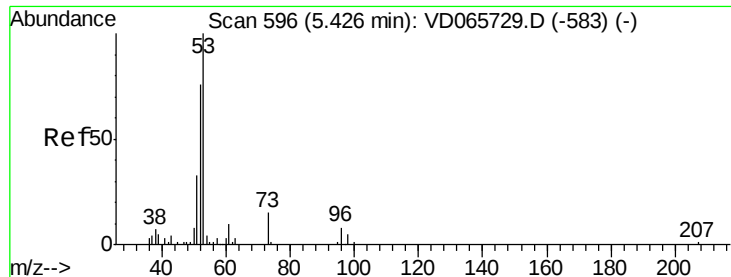


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 96.412 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

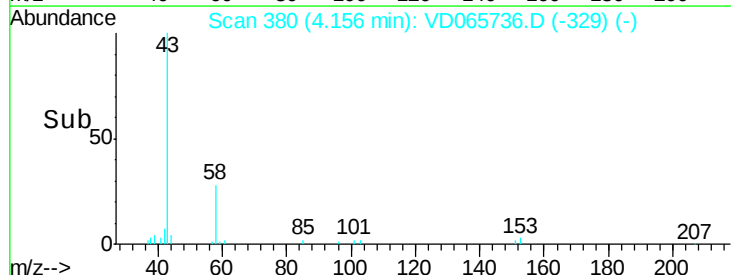
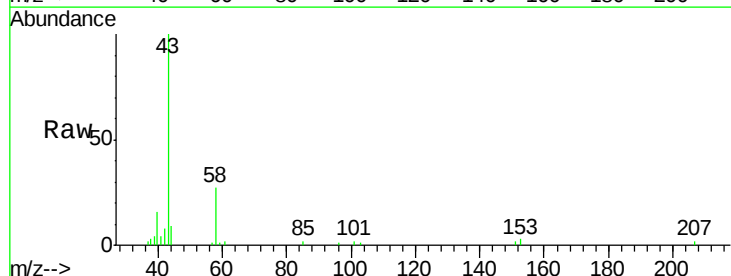
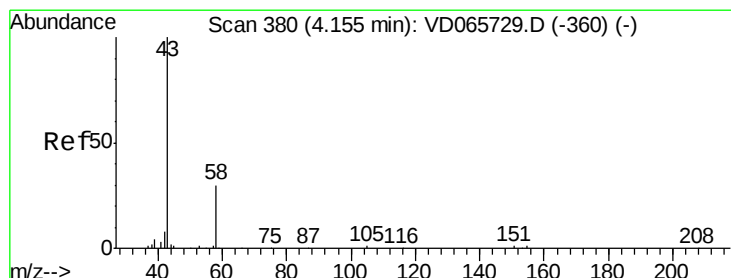
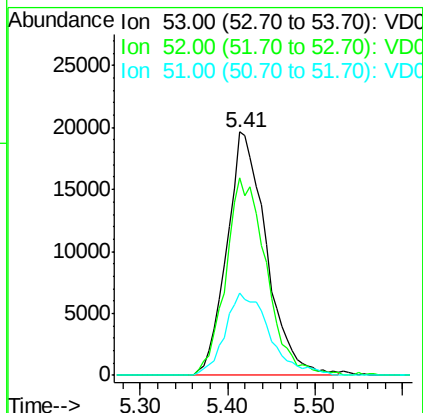
Tot Ion: 53 Resp: 60536

Ion Ratio Lower Upper

53 100

52 82.9 66.3 99.5

51 37.9 29.2 43.8



#16

Acetone

Concen: 91.263 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065736.D

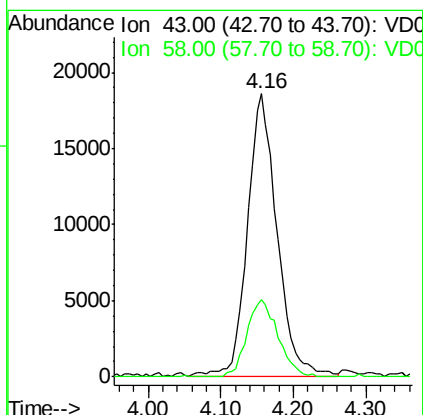
Acq: 14 May 2020 12:05

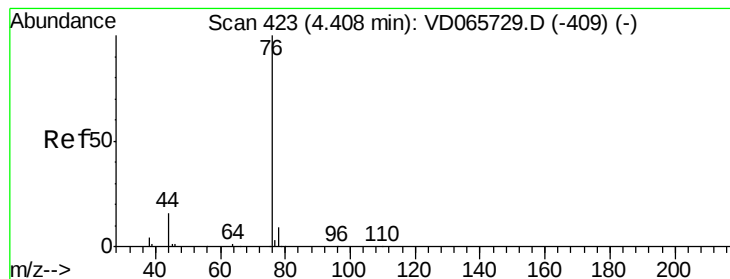
Tgt Ion: 43 Resp: 53013

Ion Ratio Lower Upper

43 100

58 27.5 23.7 35.5





#17

Carbon Disulfide

Concen: 20.217 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

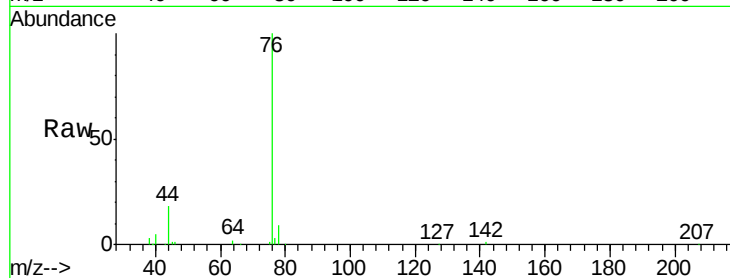
VD0514SBS01

Tot Ion: 76 Resp: 184143

Ion Ratio Lower Upper

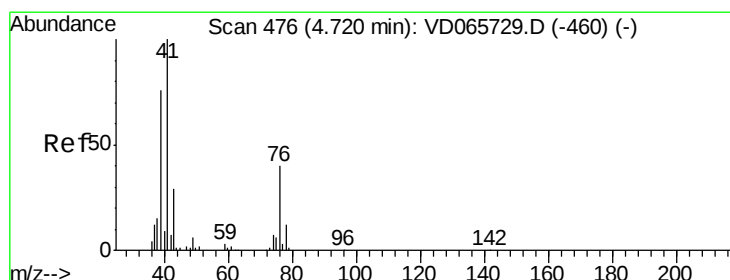
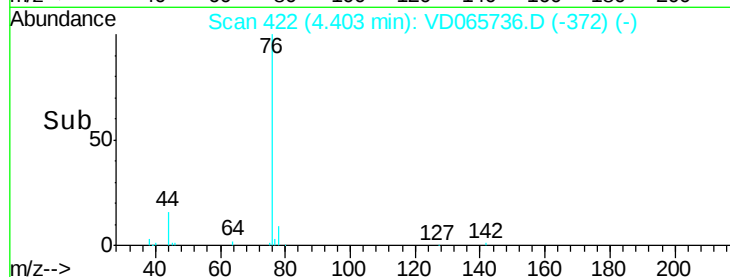
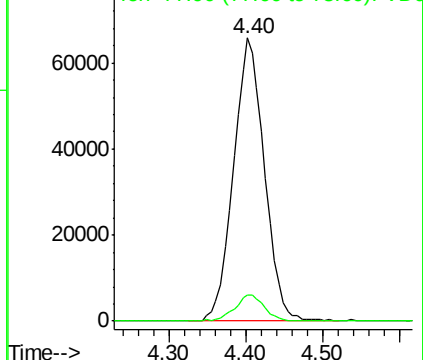
76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.547 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065736.D

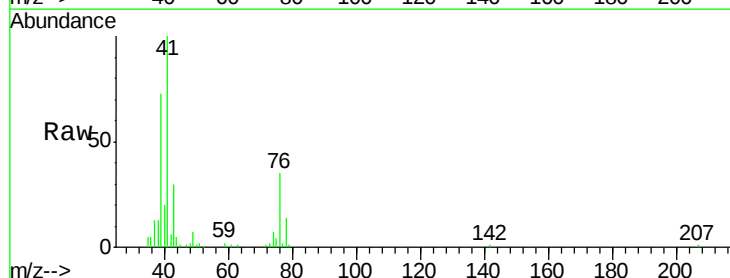
Acq: 14 May 2020 12:05

Tgt Ion: 43 Resp: 28889

Ion Ratio Lower Upper

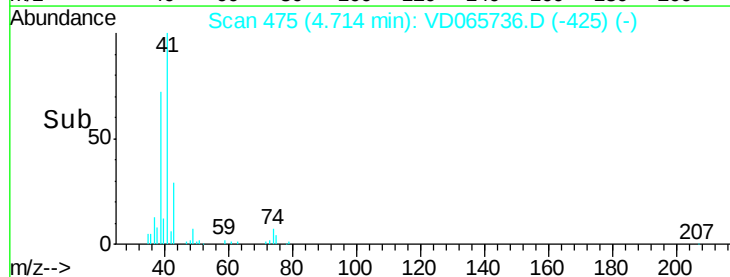
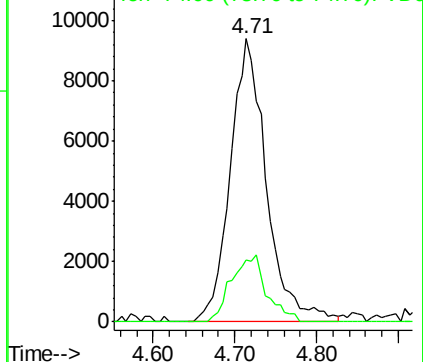
43 100

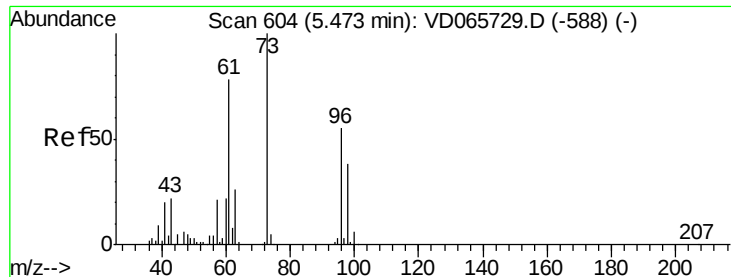
74 22.8 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

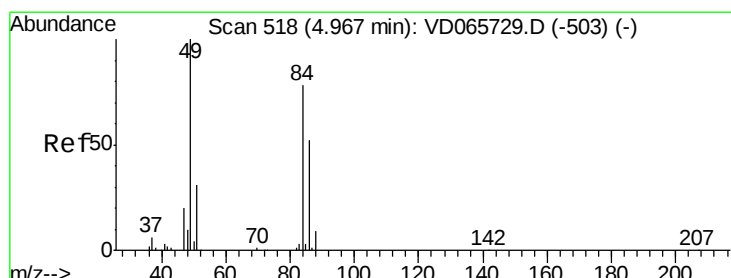
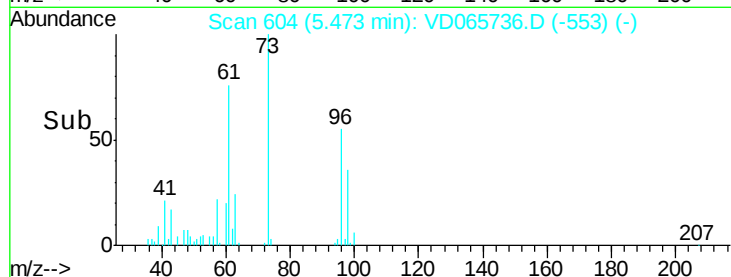
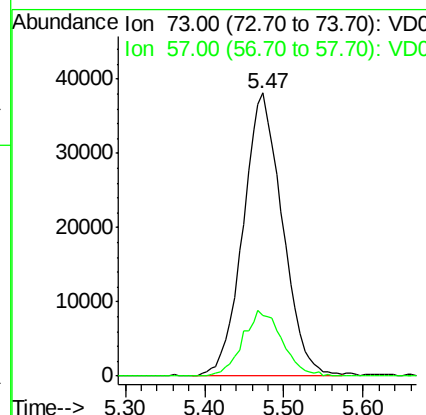
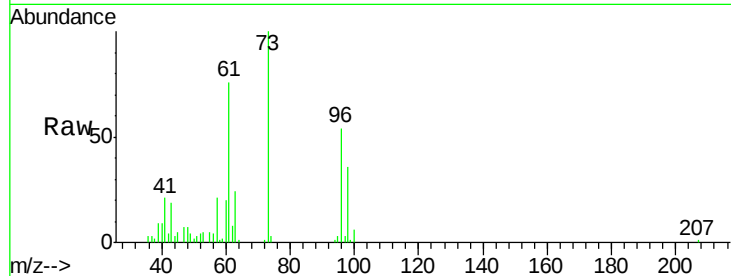




#19
Methyl tert-butyl Ether
Concen: 19.512 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

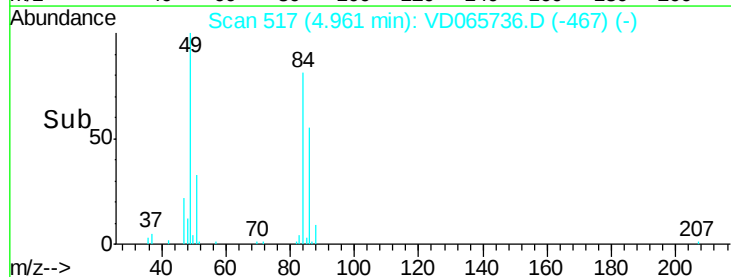
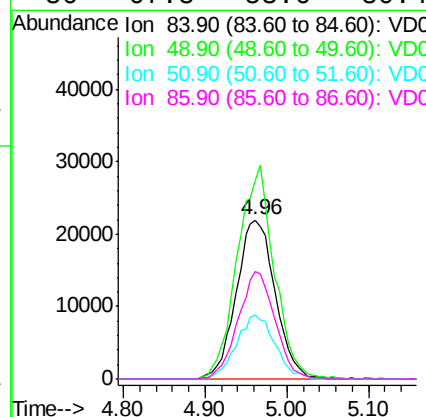
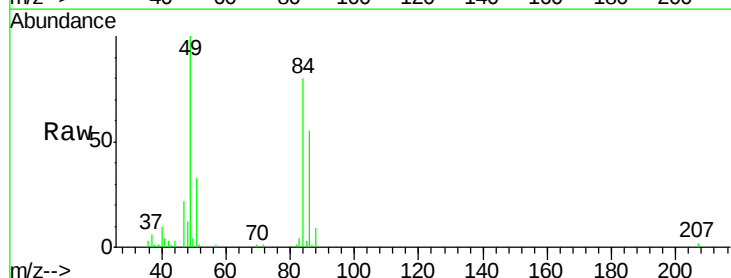
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

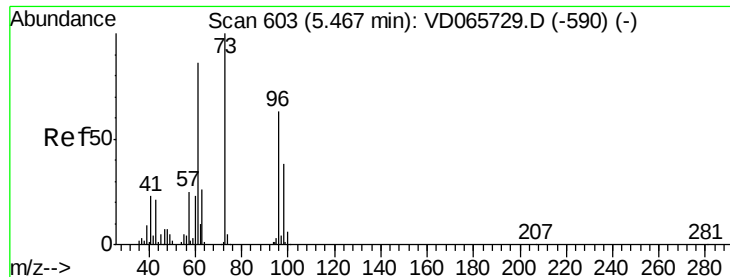
Tot Ion: 73 Resp: 131274
Ion Ratio Lower Upper
73 100
57 21.4 17.0 25.4



#20
Methylene Chloride
Concen: 22.089 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 84 Resp: 72387
Ion Ratio Lower Upper
84 100
49 124.4 102.9 154.3
51 40.5 31.5 47.3
86 67.8 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 20.548 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

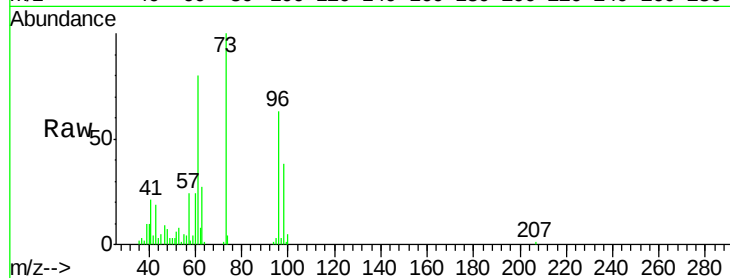
Tot Ion: 96 Resp: 68227

Ion Ratio Lower Upper

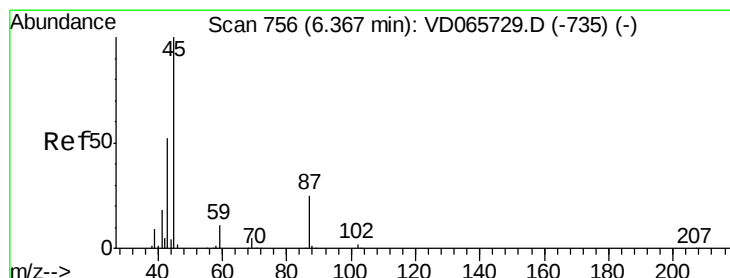
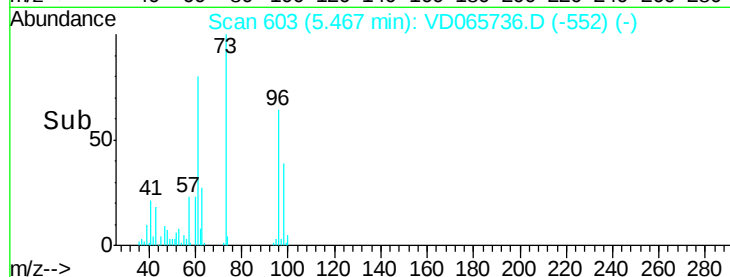
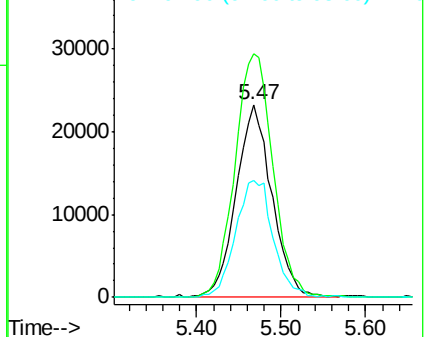
96 100

61 126.4 108.6 163.0

98 60.5 47.9 71.9



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: 20.215 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Tgt Ion: 45 Resp: 191900

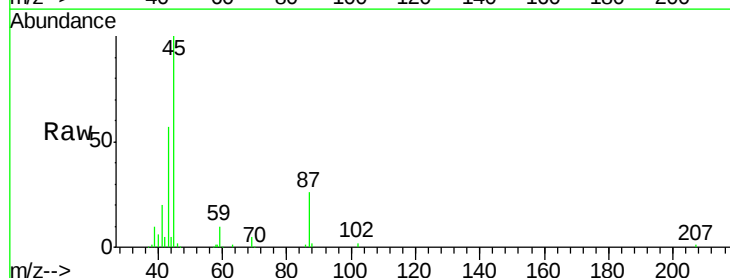
Ion Ratio Lower Upper

45 100

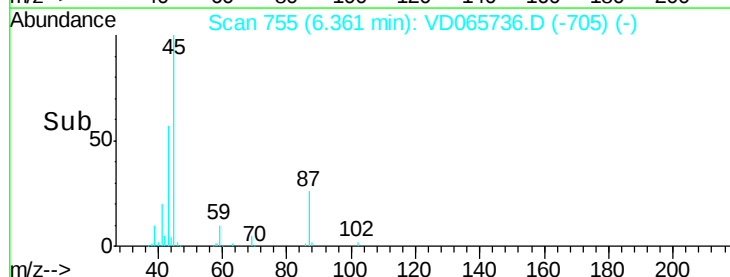
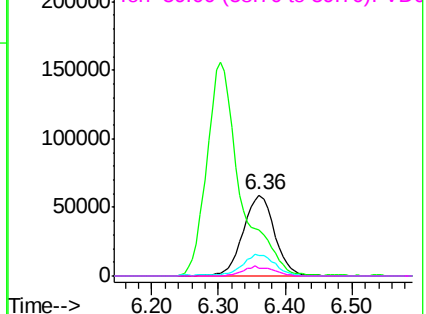
43 56.1 41.8 62.6

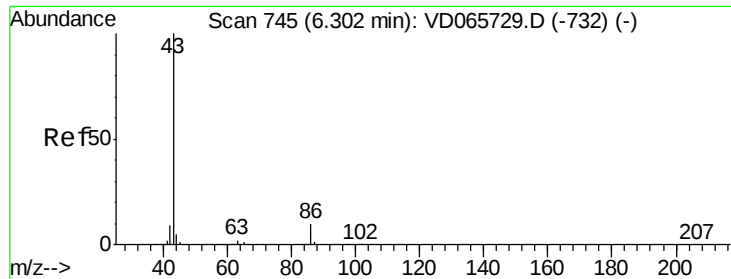
87 25.8 20.1 30.1

59 10.1 8.6 13.0



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

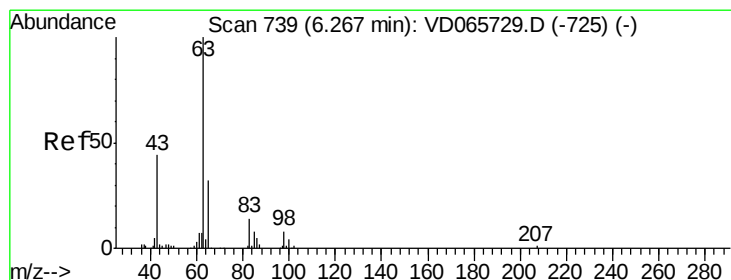
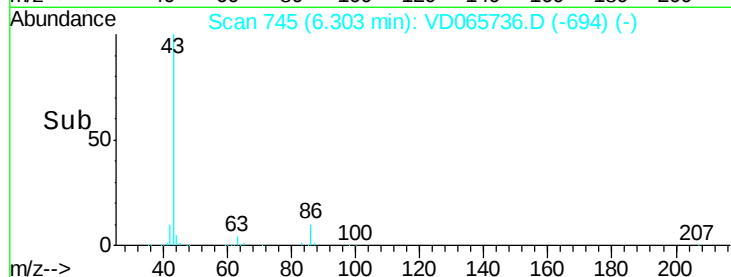
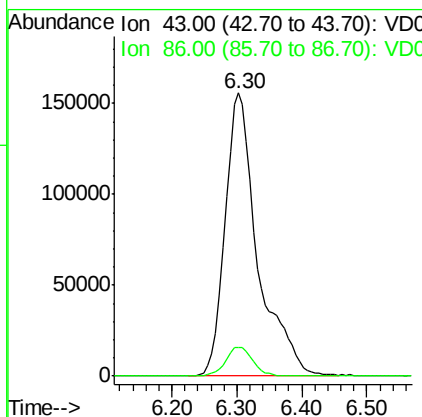
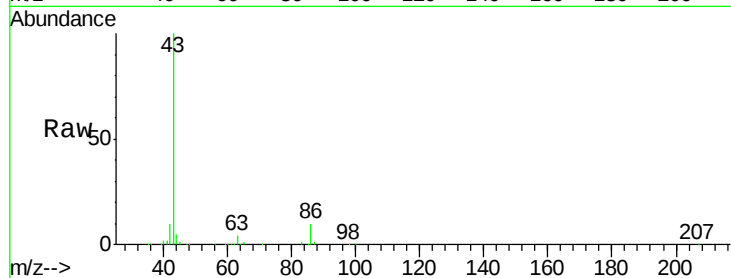




#23
 Vinyl Acetate
 Concen: 97.117 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

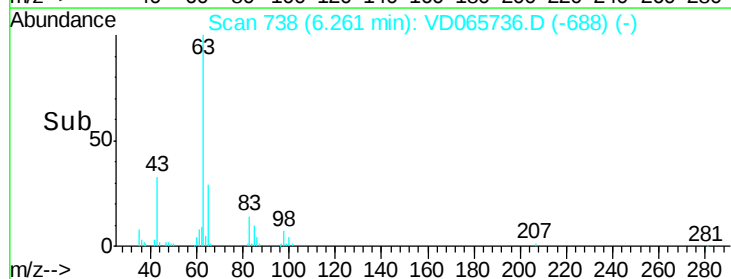
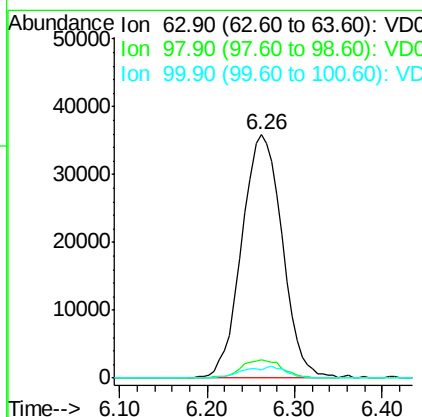
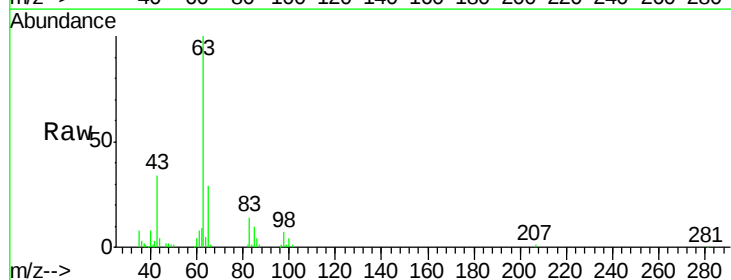
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

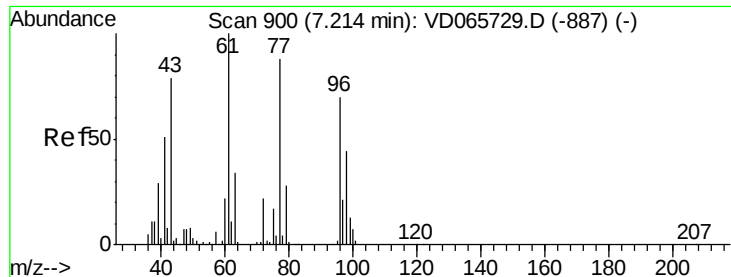
Tot Ion: 43 Resp: 542243
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 20.352 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Tgt Ion: 63 Resp: 113118
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.9 11.5
 100 3.6 2.2 6.6

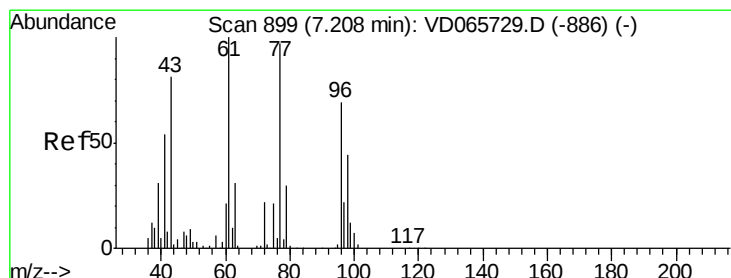
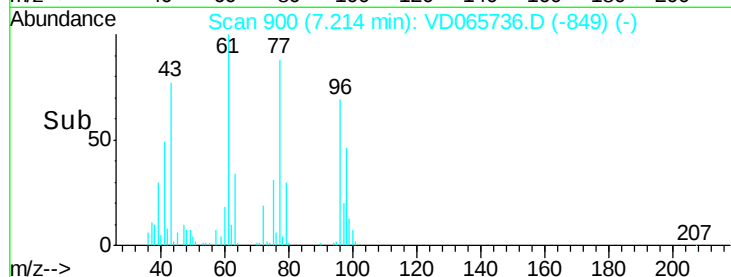
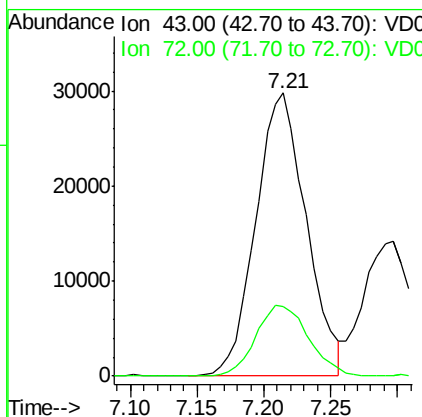
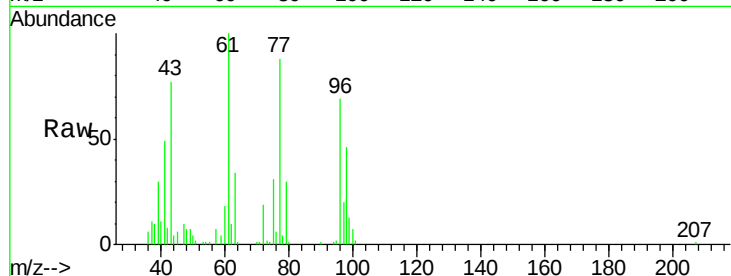




#25
2-Butanone
Concen: 94.236 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

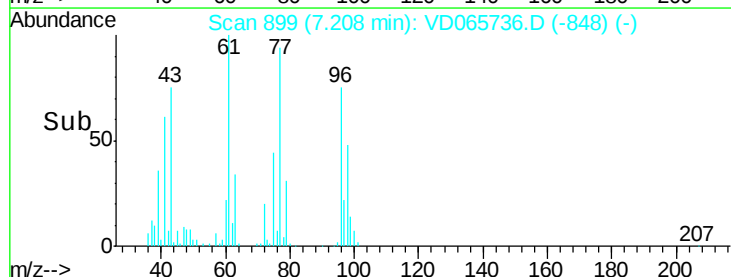
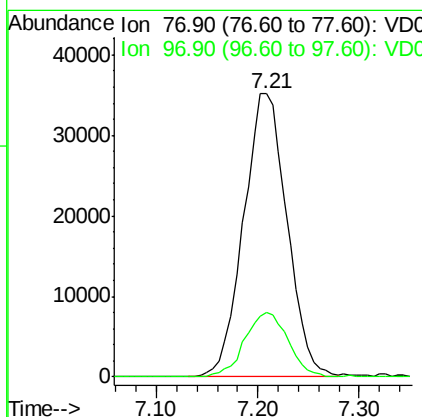
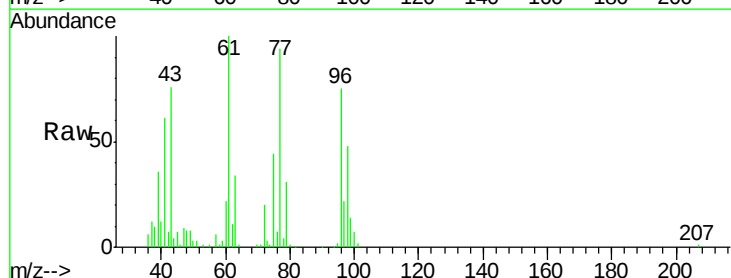
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

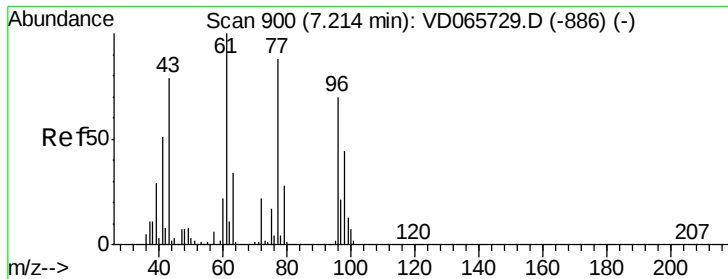
Tot Ion: 43 Resp: 78249
Ion Ratio Lower Upper
43 100
72 24.6 22.3 33.5



#26
2,2-Dichloropropane
Concen: 20.323 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 77 Resp: 104839
Ion Ratio Lower Upper
77 100
97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.699 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

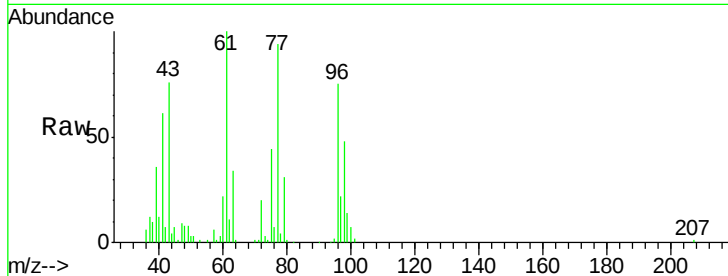
Tot Ion: 96 Resp: 75313

Ion Ratio Lower Upper

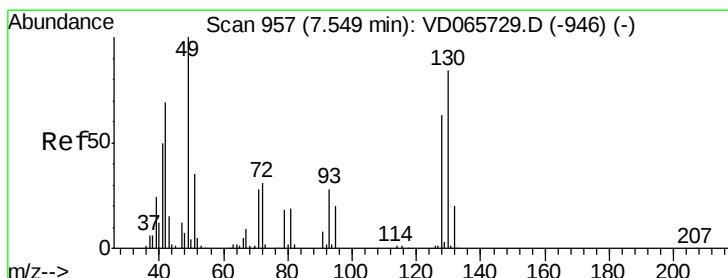
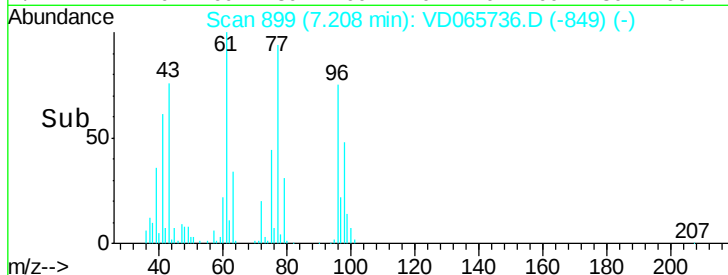
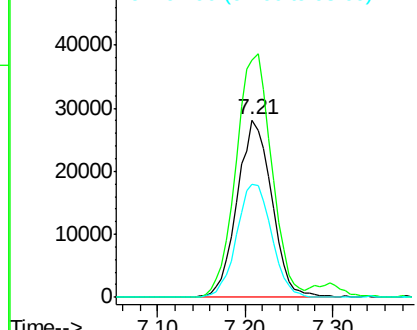
96 100

61 141.7 0.0 288.0

98 64.3 0.0 127.8



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: 18.665 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

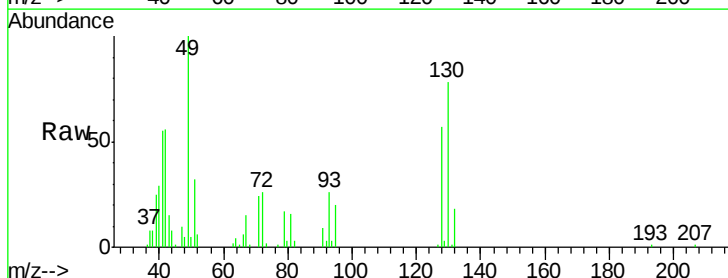
Tgt Ion: 49 Resp: 42652

Ion Ratio Lower Upper

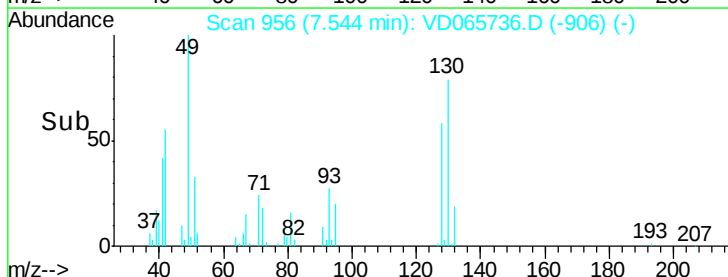
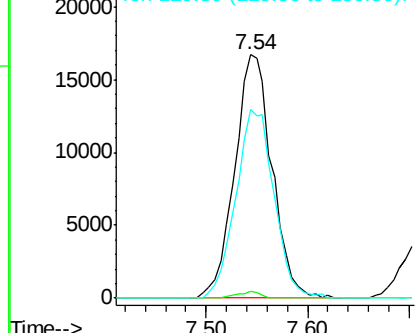
49 100

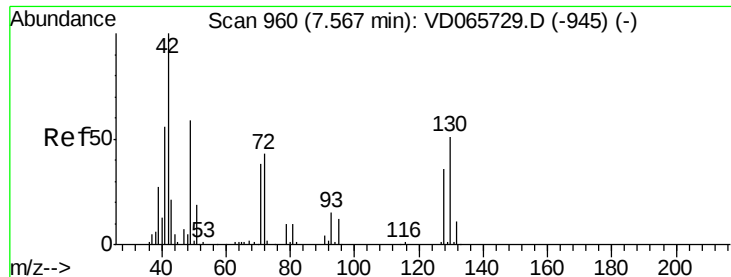
129 1.6 0.0 4.6

130 79.4 65.2 97.8



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

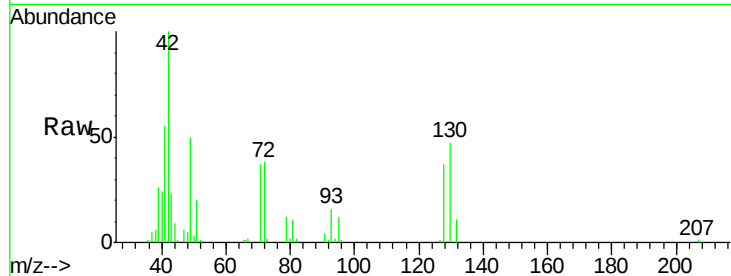




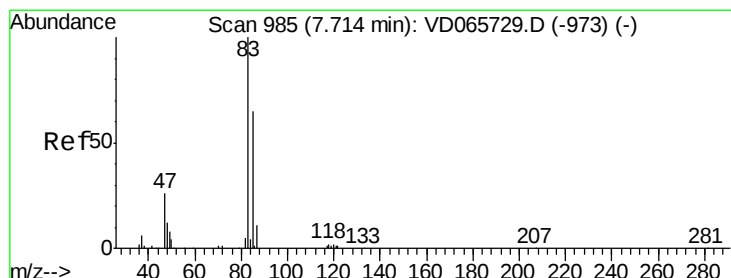
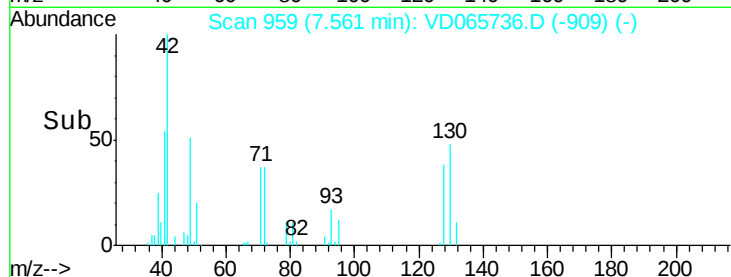
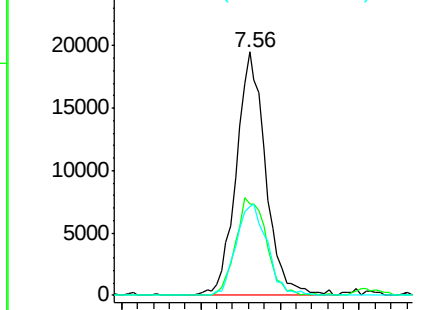
#29
Tetrahydrofuran
Concen: 95.266 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion: 42 Resp: 50154
Ion Ratio Lower Upper
42 100
72 41.6 33.5 50.3
71 39.6 31.8 47.6

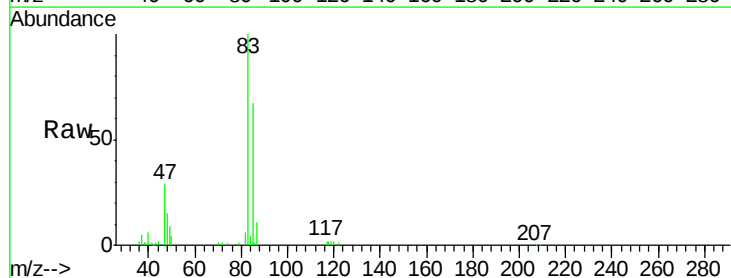


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

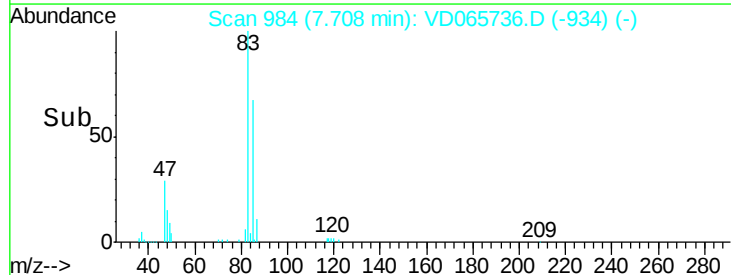
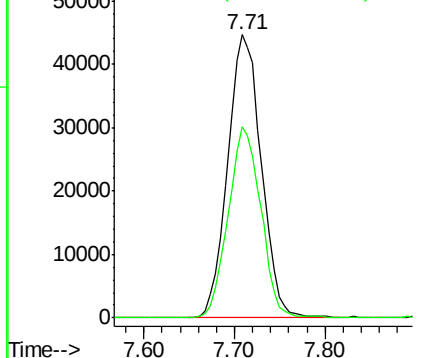


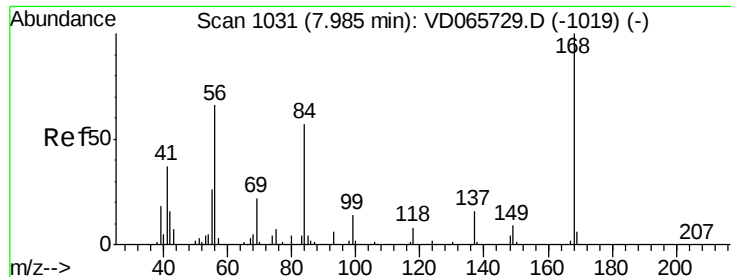
#30
Chloroform
Concen: 20.484 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 83 Resp: 115059
Ion Ratio Lower Upper
83 100
85 67.3 52.2 78.2



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

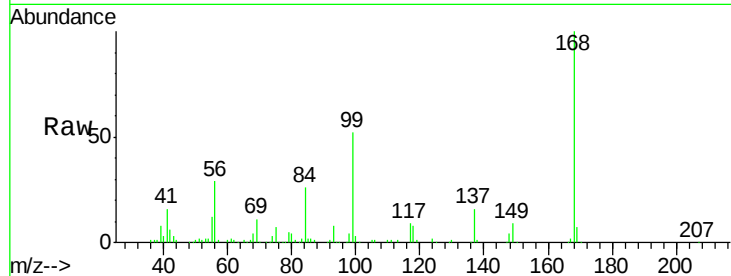




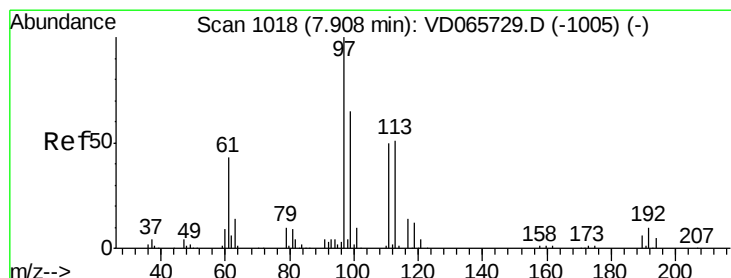
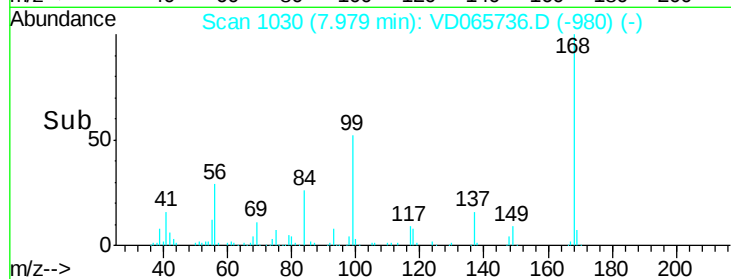
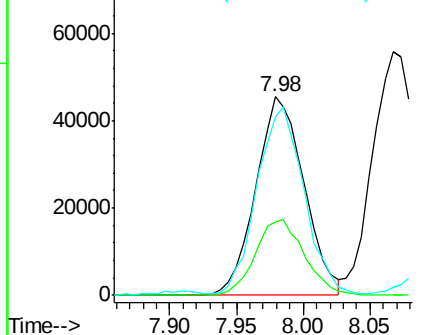
#31
Cyclohexane
Concen: 20.315 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion: 56 Resp: 114294
Ion Ratio Lower Upper
56 100
69 37.3 25.9 38.9
84 88.2 69.1 103.7

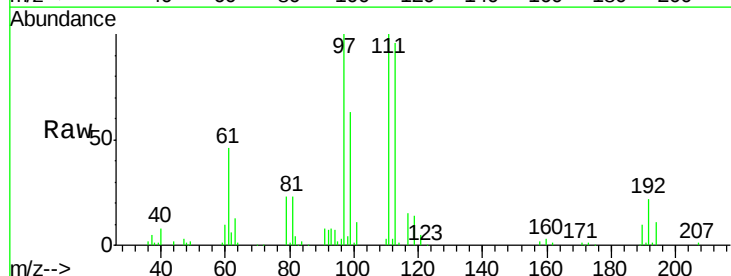


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

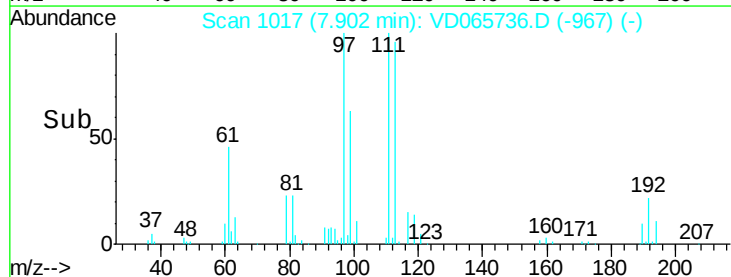
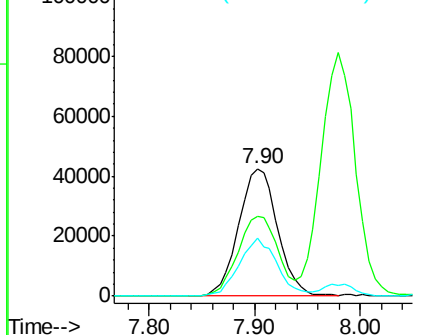


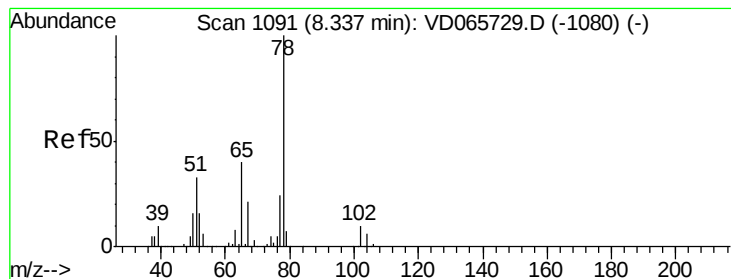
#32
1,1,1-Trichloroethane
Concen: 20.717 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 97 Resp: 109011
Ion Ratio Lower Upper
97 100
99 64.3 50.5 75.7
61 44.0 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.019 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

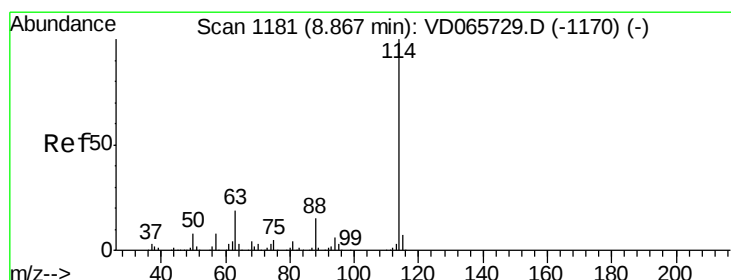
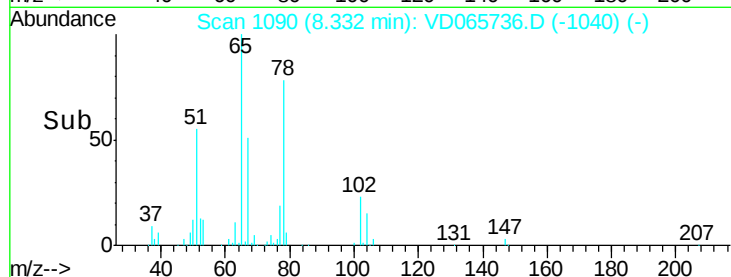
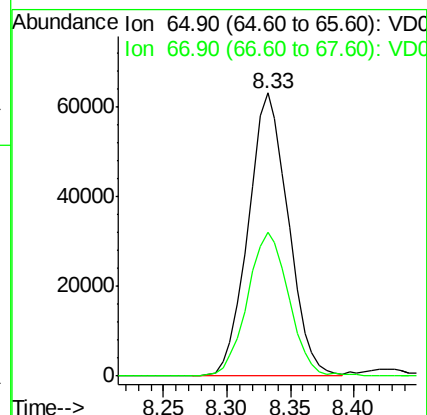
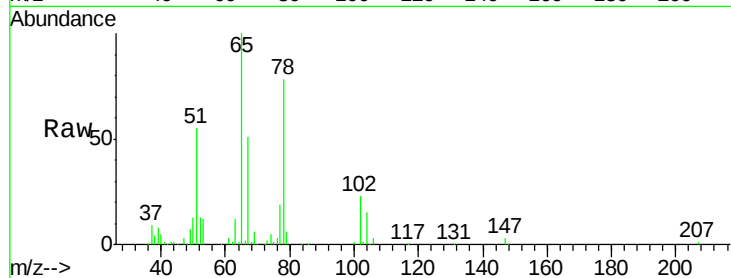
VD0514SBS01

Tot Ion: 65 Resp: 138820

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

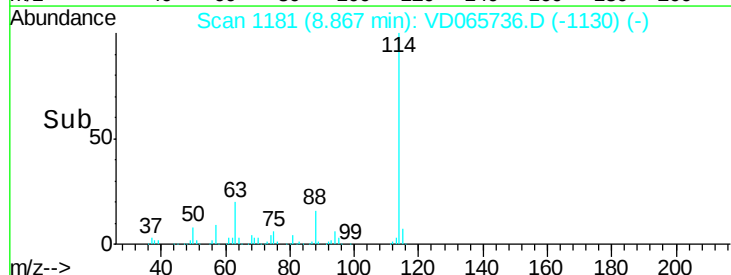
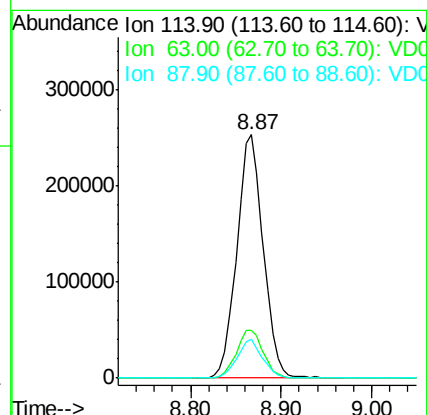
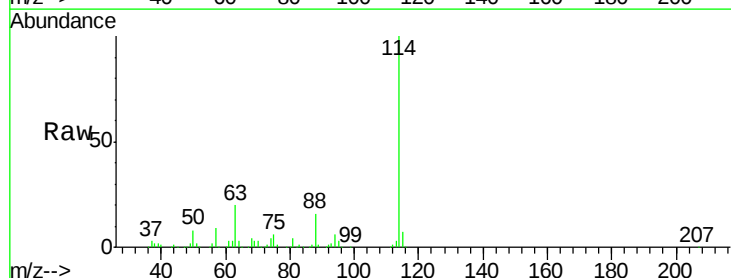
Tgt Ion: 114 Resp: 514565

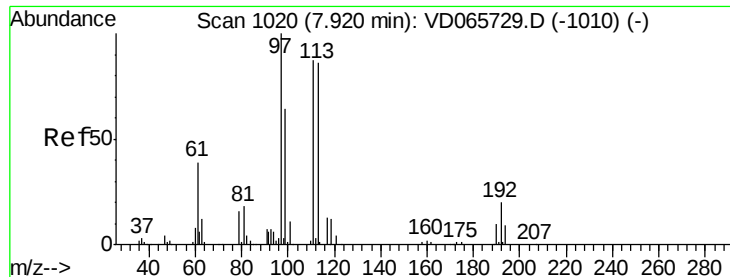
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.2

88 16.1 0.0 30.2

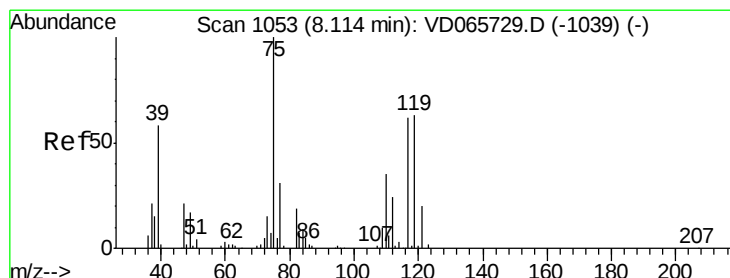
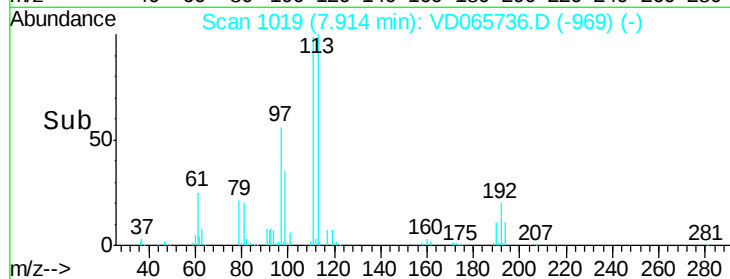
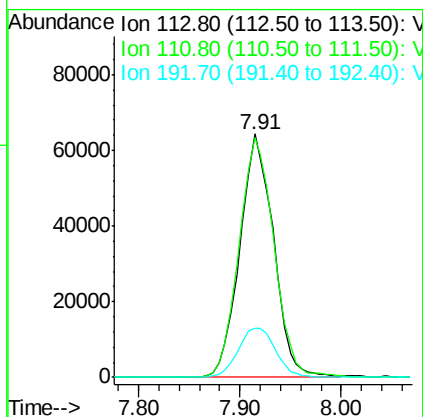
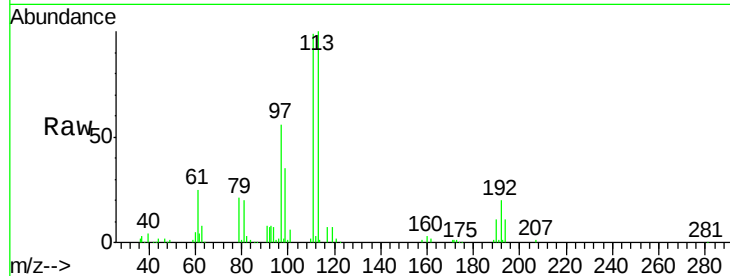




#35
 Dibromofluoromethane
 Concen: 50.885 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

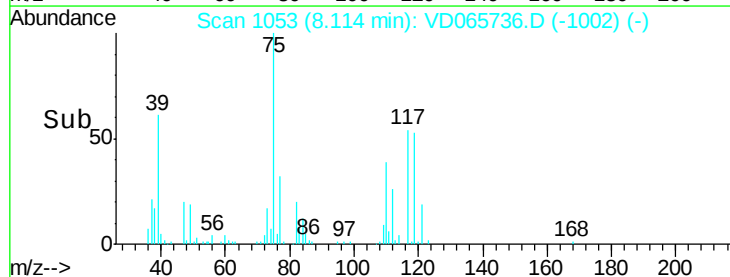
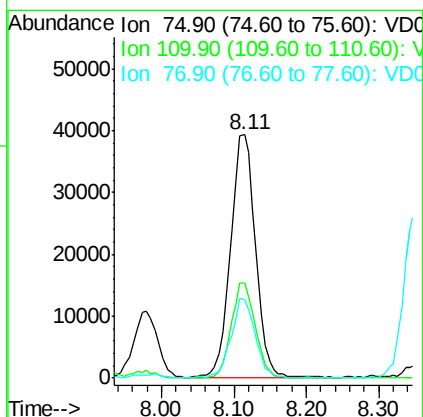
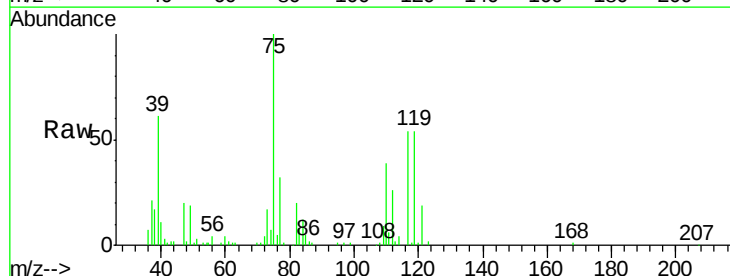
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

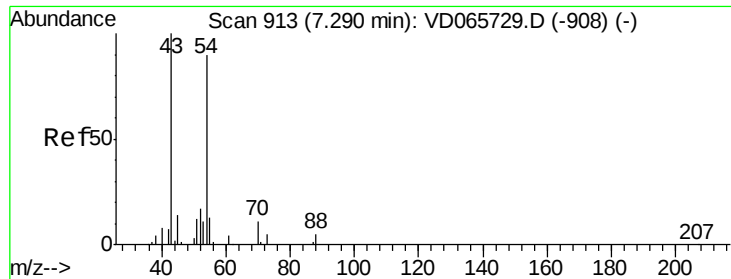
Tot Ion:113 Resp: 148336
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.1 121.7
 192 22.3 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 21.246 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Tgt Ion: 75 Resp: 94943
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.4 55.2
 77 31.3 24.6 37.0

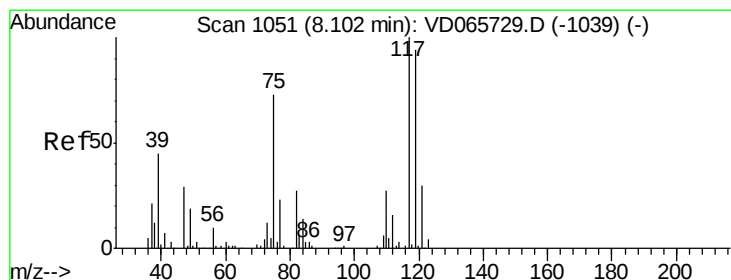
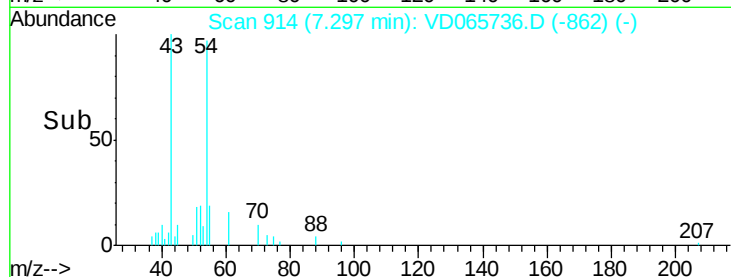
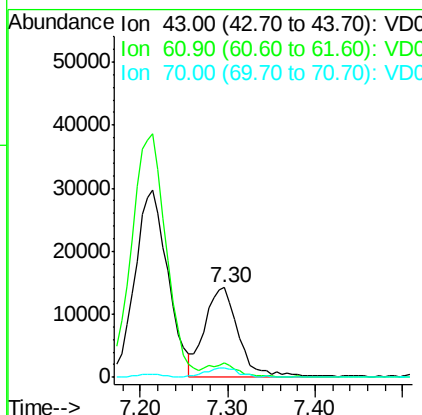
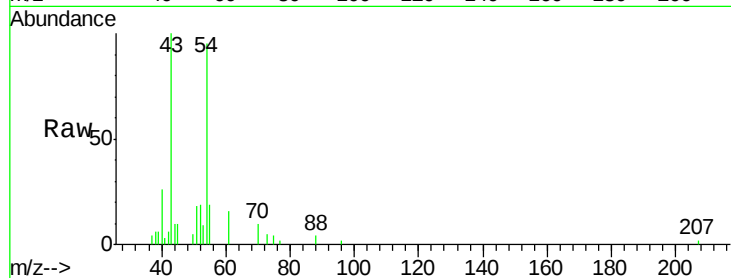




#37
Ethyl Acetate
Concen: 20.284 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

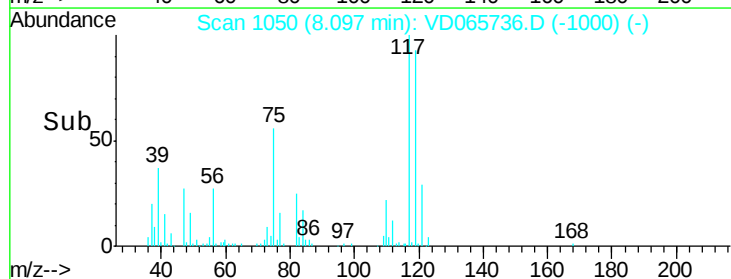
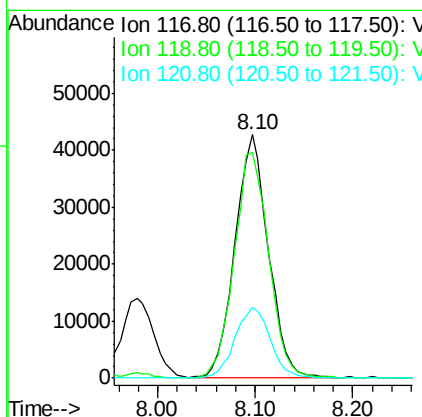
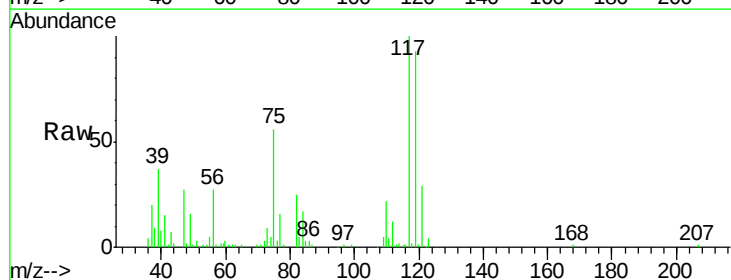
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

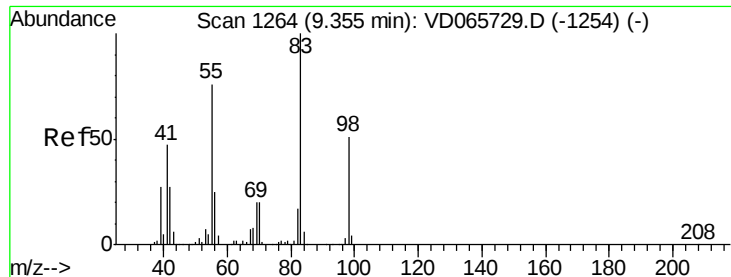
Tot Ion: 43 Resp: 38832
Ion Ratio Lower Upper
43 100
61 14.1 9.8 14.6
70 10.4 8.6 12.8



#38
Carbon Tetrachloride
Concen: 21.476 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 117 Resp: 101791
Ion Ratio Lower Upper
117 100
119 92.6 75.6 113.4
121 29.1 24.4 36.6

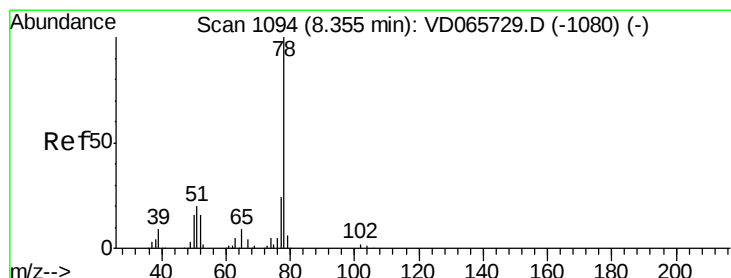
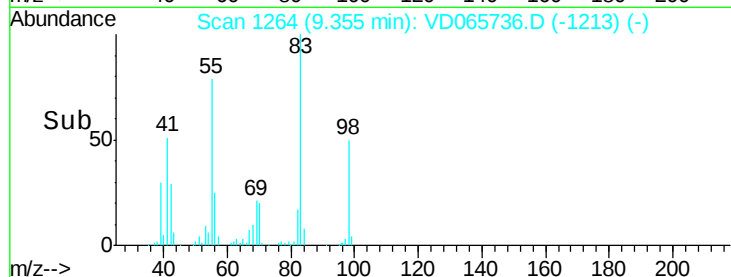
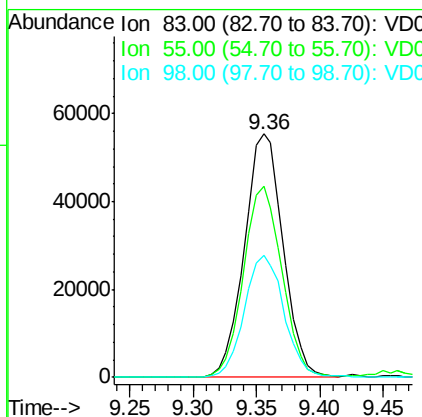
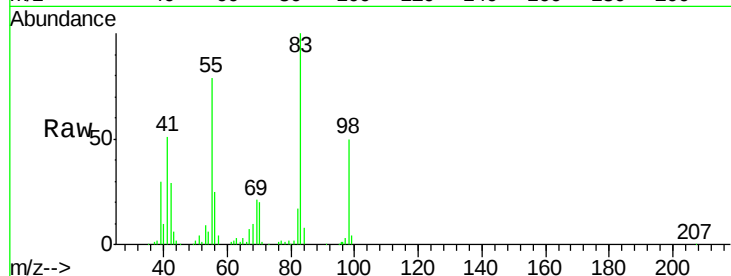




#39
Methvlcvclohexane
Concen: 20.568 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

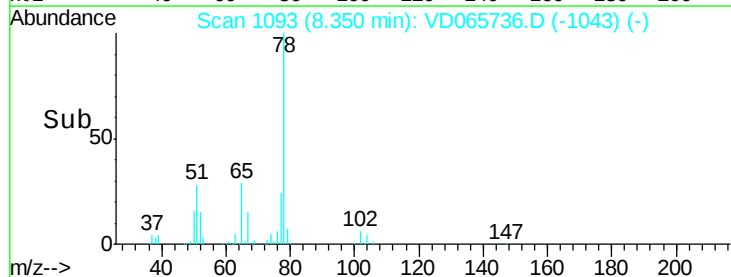
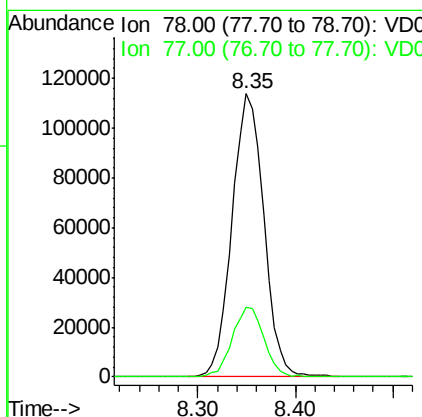
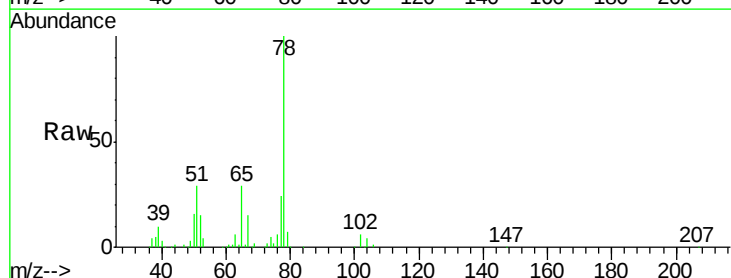
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

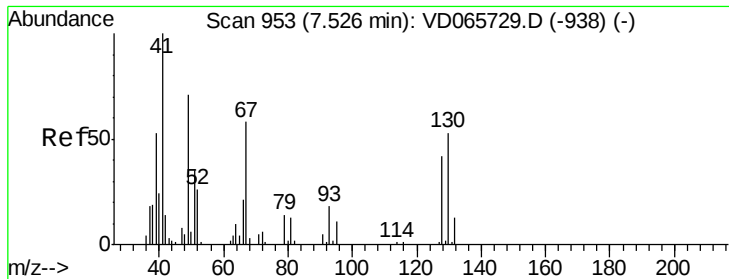
Tot Ion: 83 Resp: 117790
Ion Ratio Lower Upper
83 100
55 78.6 60.9 91.3
98 50.3 40.6 61.0



#40
Benzene
Concen: 21.049 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 78 Resp: 258647
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7





#41

Methacrylonitrile

Concen: 17.447 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

Tot Ion: 41 Resp: 18395

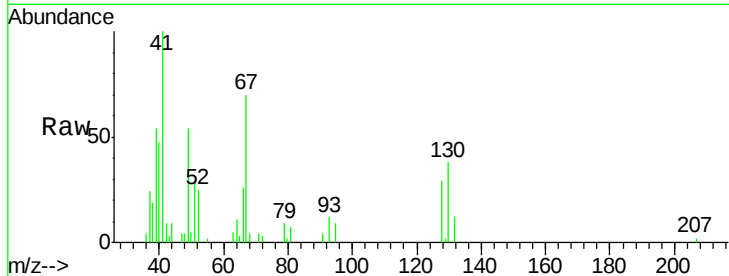
Ion Ratio Lower Upper

41 100

39 73.4 56.8 85.2

67 86.0 57.9 86.9

52 34.6 25.9 38.9

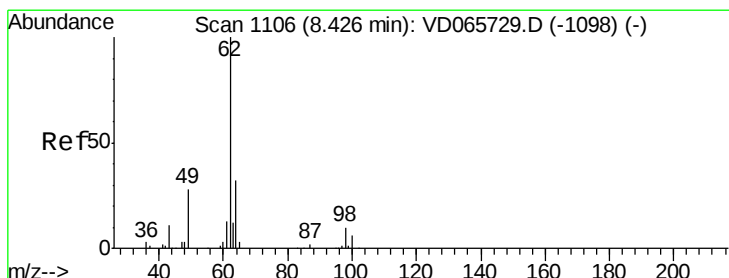
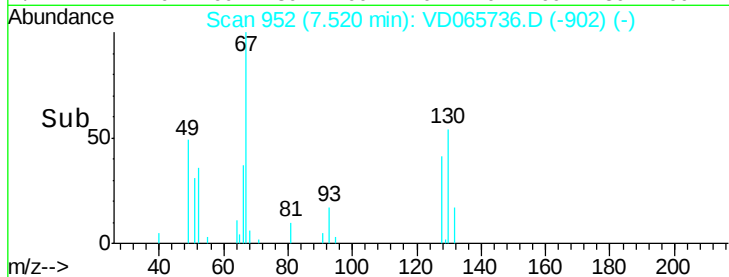
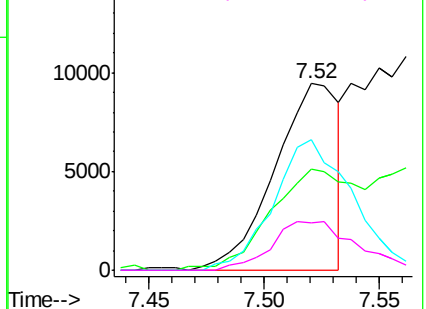


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.413 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065736.D

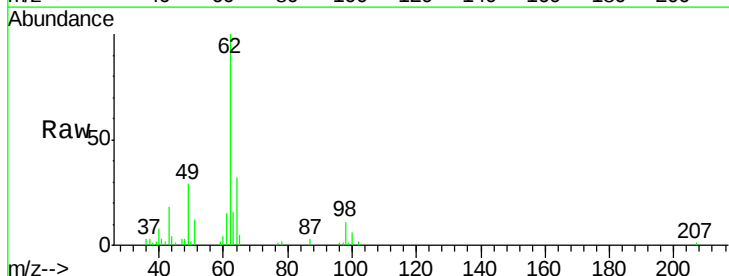
Acq: 14 May 2020 12:05

Tgt Ion: 62 Resp: 69840

Ion Ratio Lower Upper

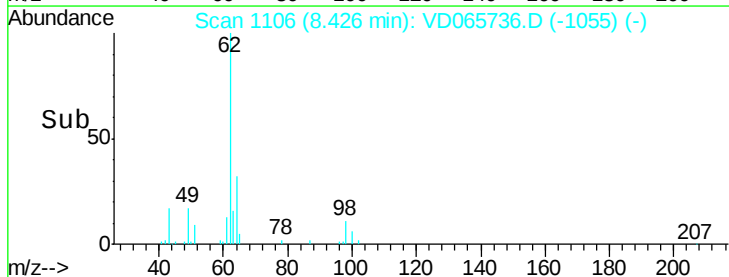
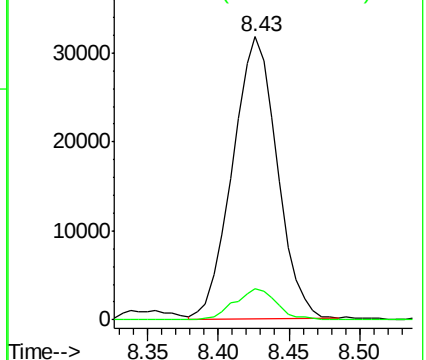
62 100

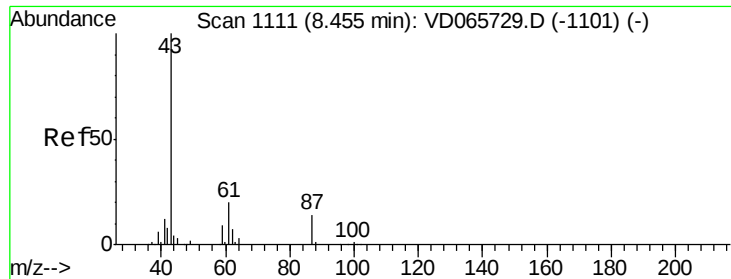
98 10.6 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.174 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

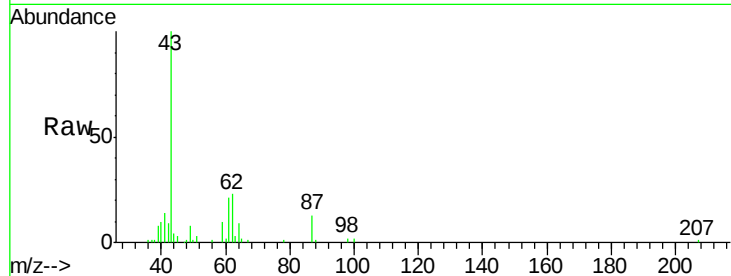
Tot Ion: 43 Resp: 72755

Ion Ratio Lower Upper

43 100

61 31.1 23.8 35.6

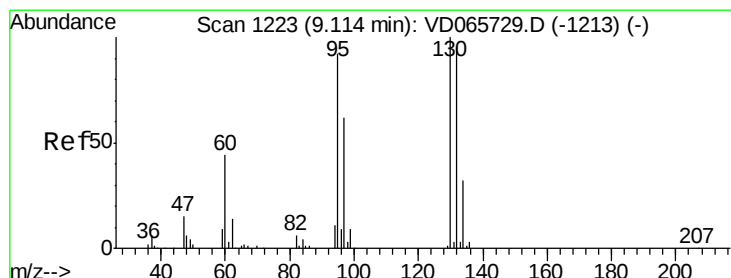
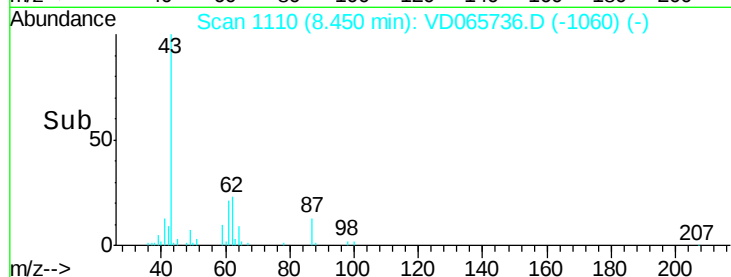
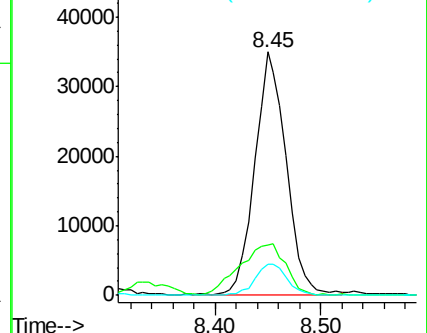
87 13.0 10.5 15.7



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: 21.162 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065736.D

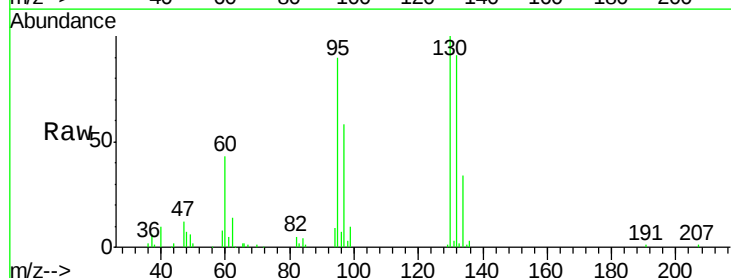
Acq: 14 May 2020 12:05

Tgt Ion: 130 Resp: 77849

Ion Ratio Lower Upper

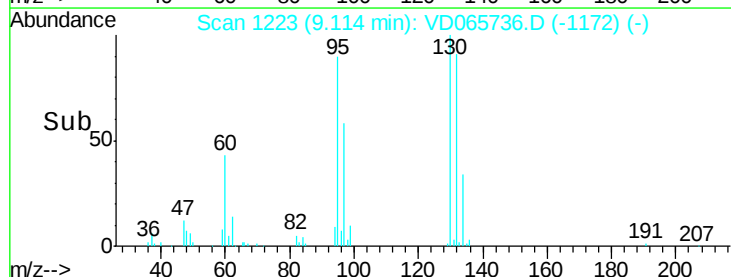
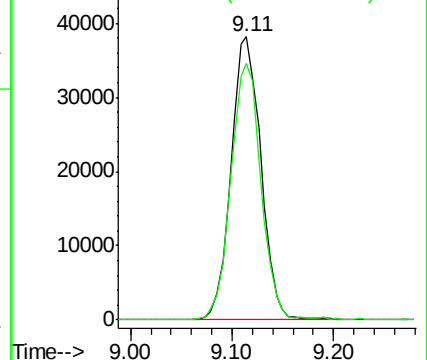
130 100

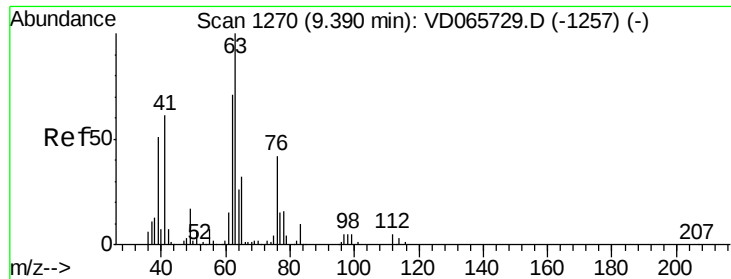
95 90.4 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.844 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

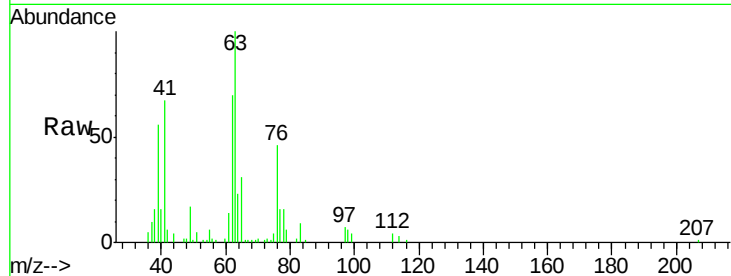
VD0514SBS01

Tot Ion: 63 Resp: 63151

Ion Ratio Lower Upper

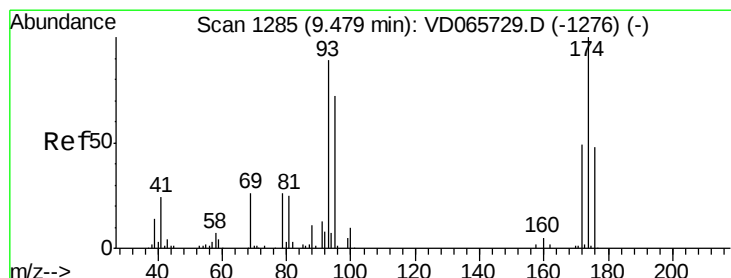
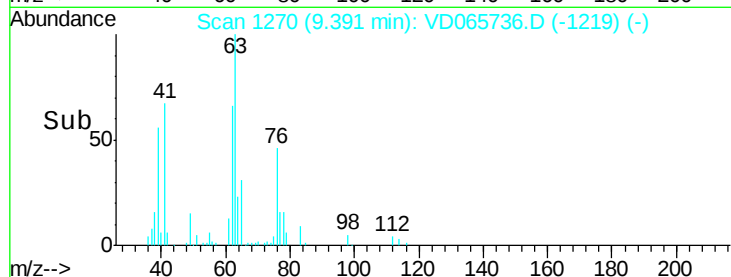
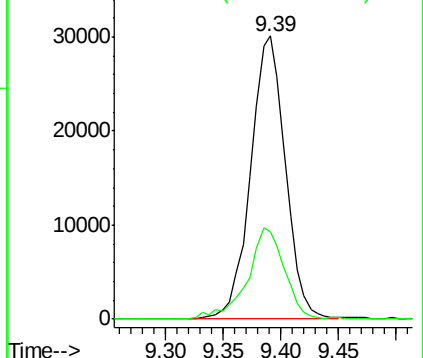
63 100

65 30.7 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.332 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

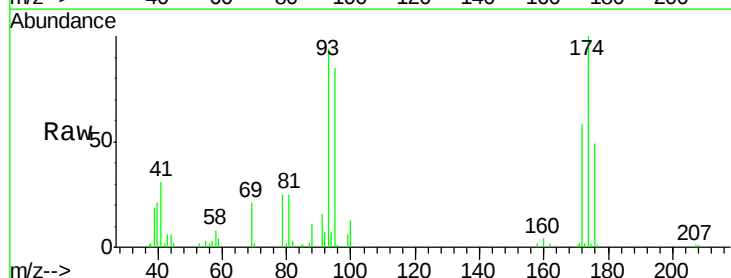
Tgt Ion: 93 Resp: 33216

Ion Ratio Lower Upper

93 100

95 83.4 65.4 98.2

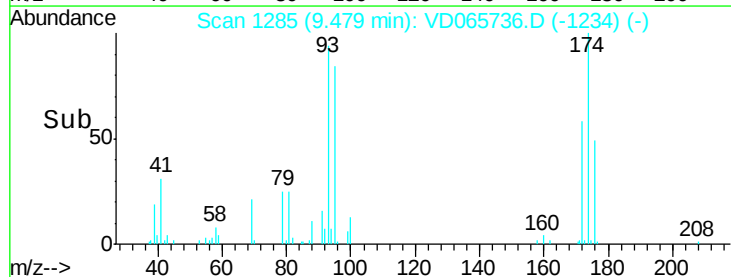
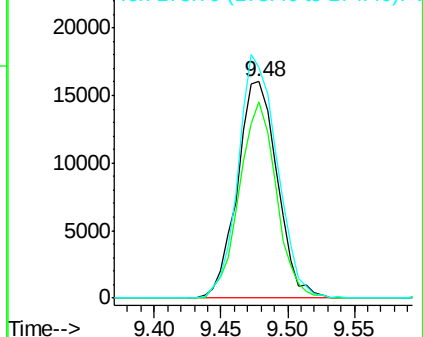
174 109.4 89.9 134.9

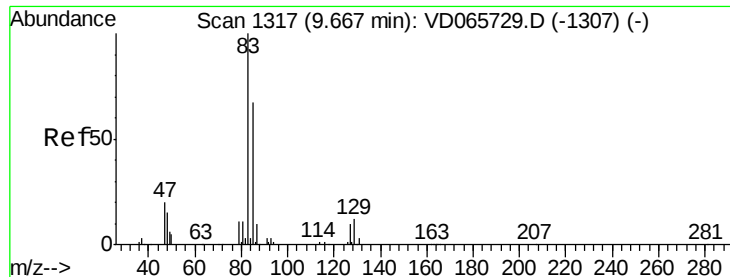


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.269 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

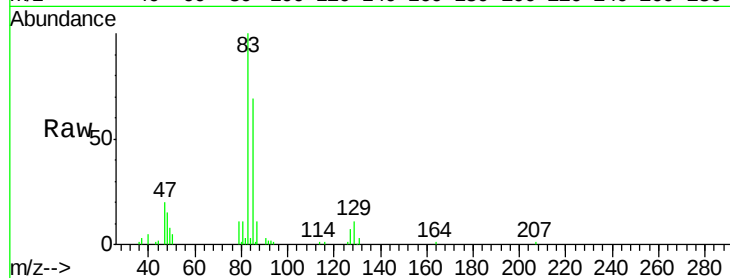
Tot Ion: 83 Resp: 86674

Ion Ratio Lower Upper

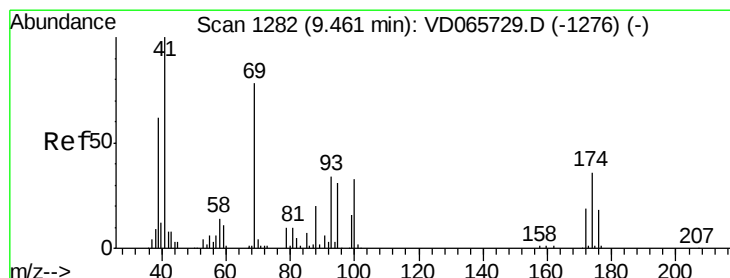
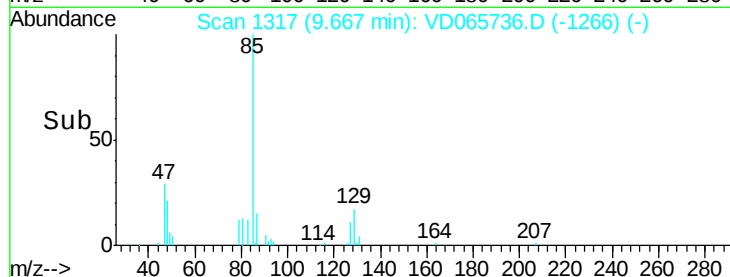
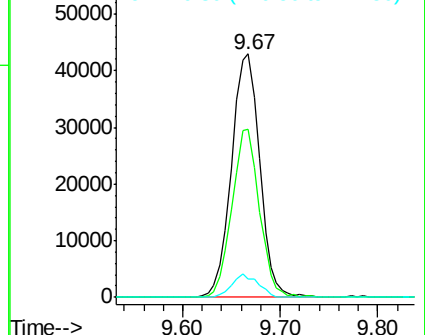
83 100

85 69.2 53.6 80.4

127 7.4 7.7 11.5#



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



#48

Methyl methacrylate

Concen: 21.051 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

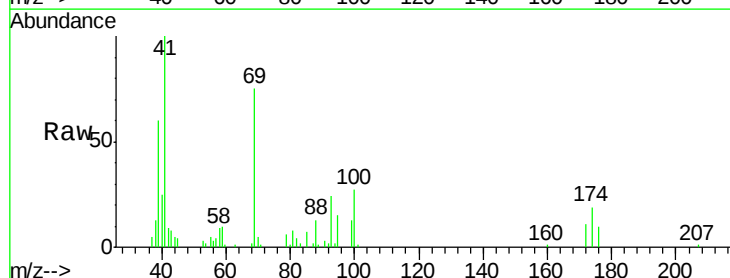
Tgt Ion: 41 Resp: 37495

Ion Ratio Lower Upper

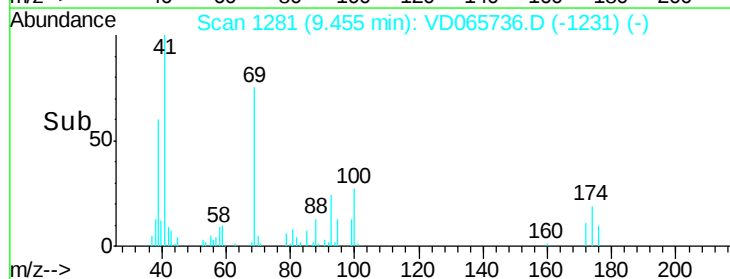
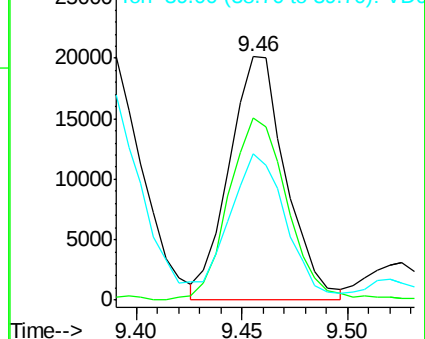
41 100

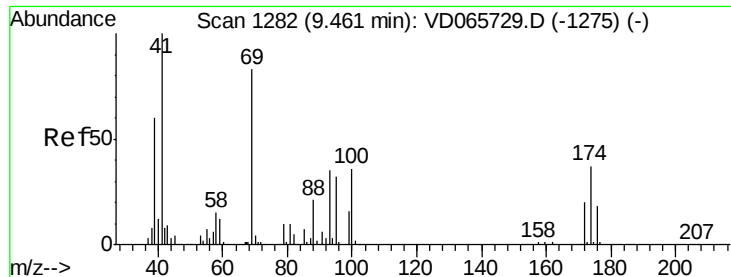
69 77.9 64.4 96.6

39 54.5 46.7 70.1



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

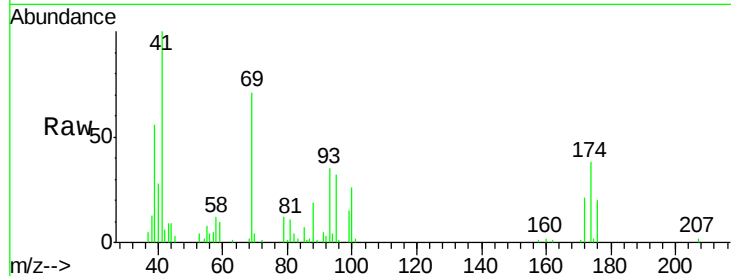




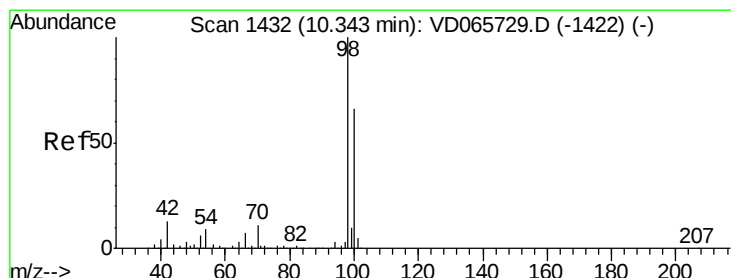
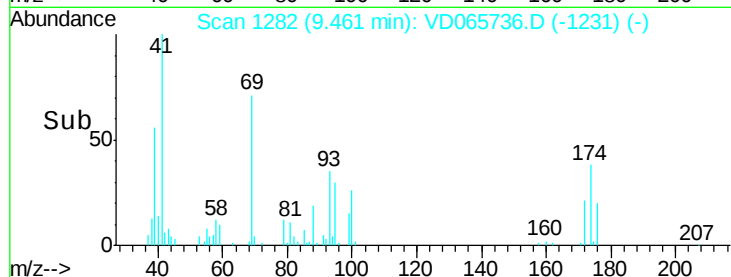
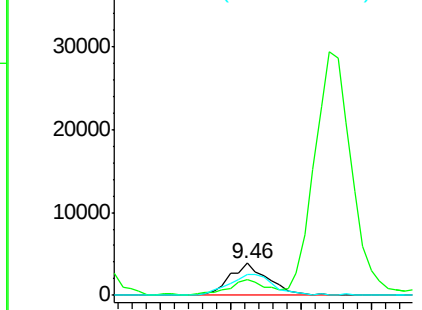
#49
1,4-Dioxane
Concen: 377.470 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion: 88 Resp: 7276
Ion Ratio Lower Upper
88 100
43 48.5 29.4 44.0#
58 77.1 55.1 82.7

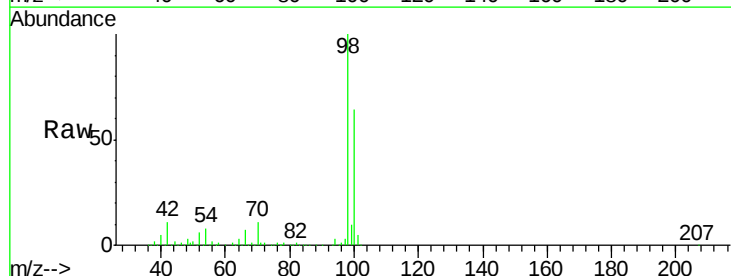


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

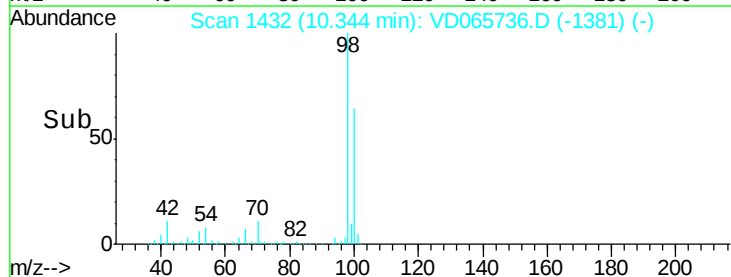
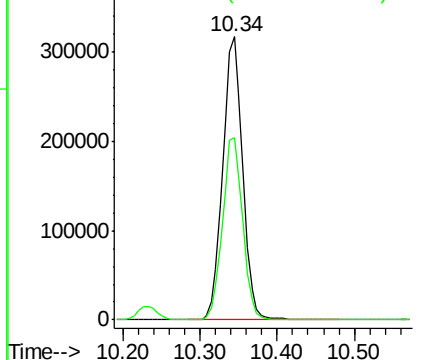


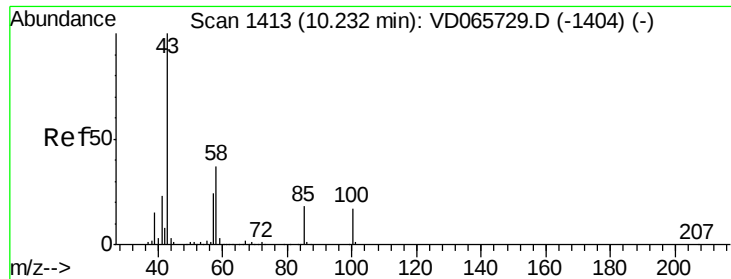
#50
Toluene-d8
Concen: 51.214 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 98 Resp: 568393
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



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

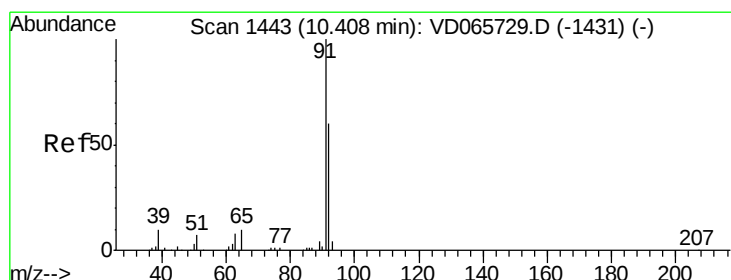
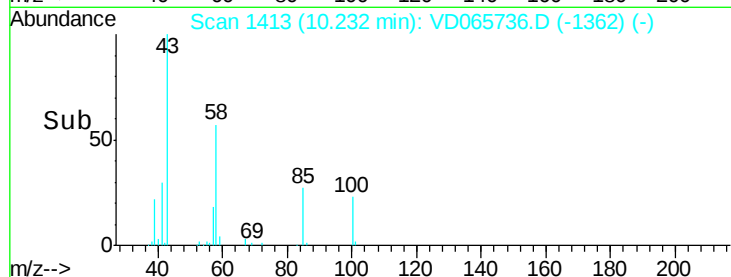
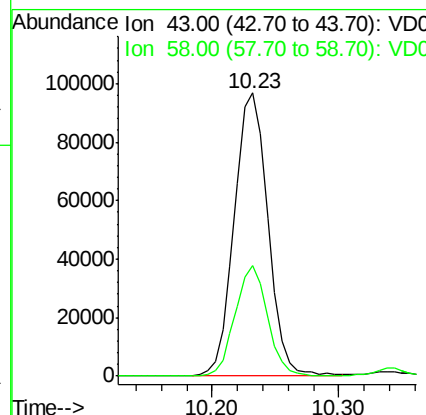
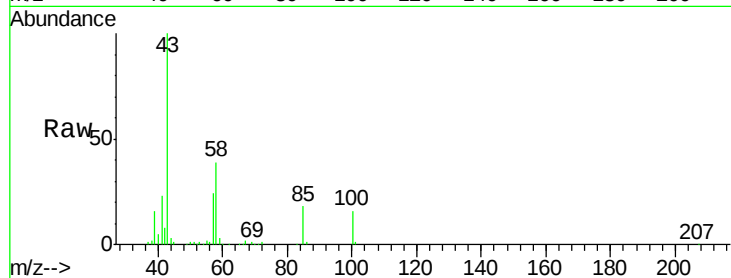




#51
4-Methyl-2-Pentanone
Concen: 98.240 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

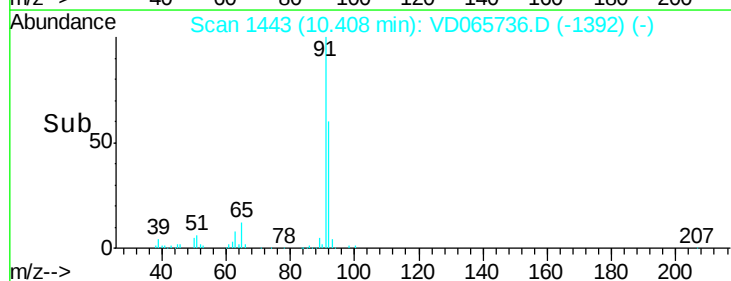
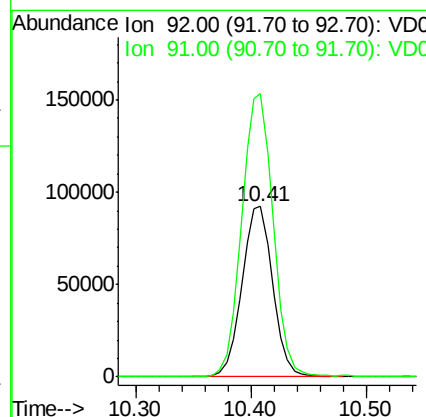
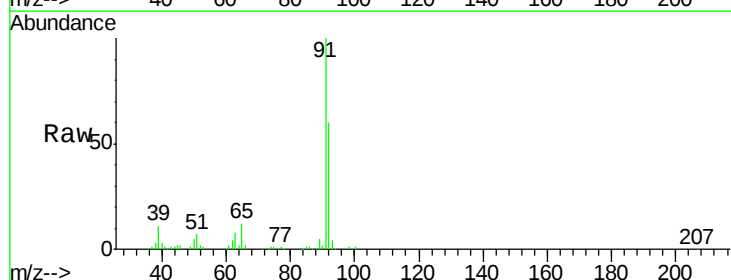
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

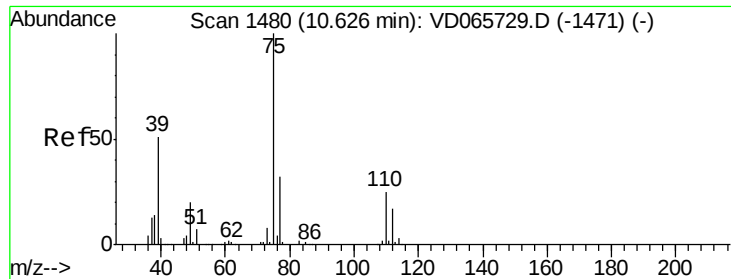
Tot Ion: 43 Resp: 178387
Ion Ratio Lower Upper
43 100
58 37.4 30.2 45.2



#52
Toluene
Concen: 21.217 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 92 Resp: 170798
Ion Ratio Lower Upper
92 100
91 168.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 20.008 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

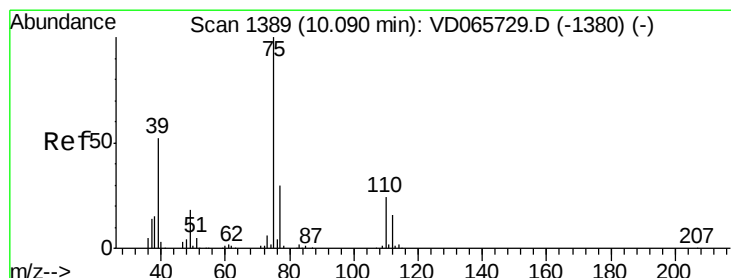
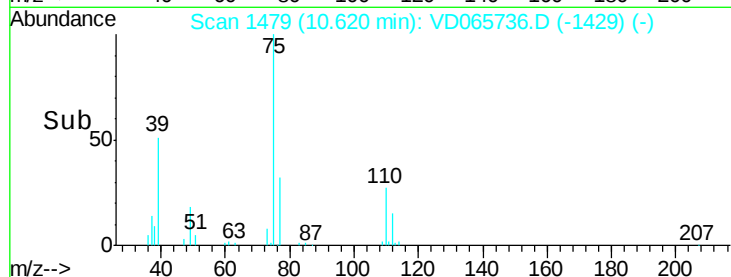
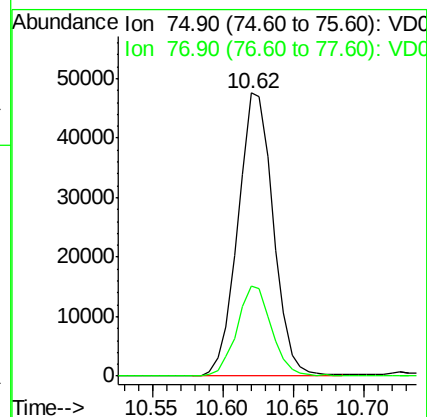
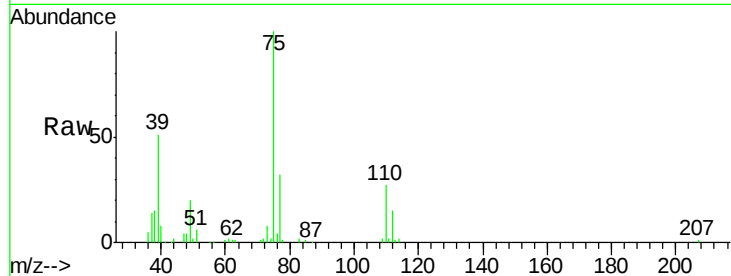
VD0514SBS01

Tot Ion: 75 Resp: 83582

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.815 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

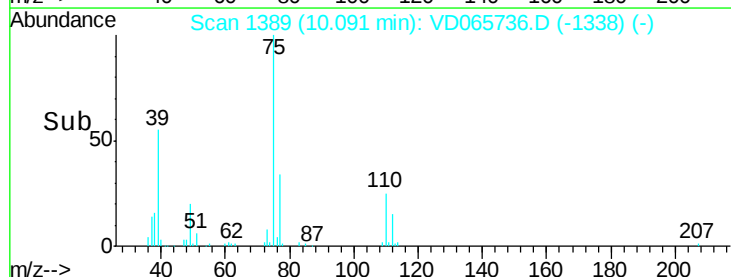
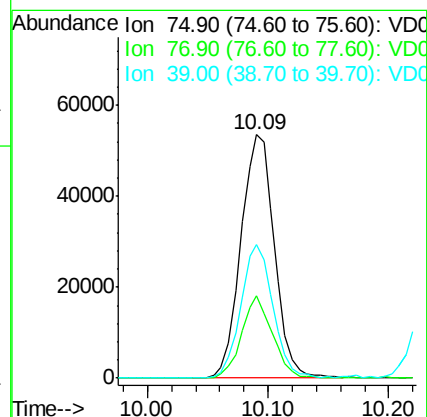
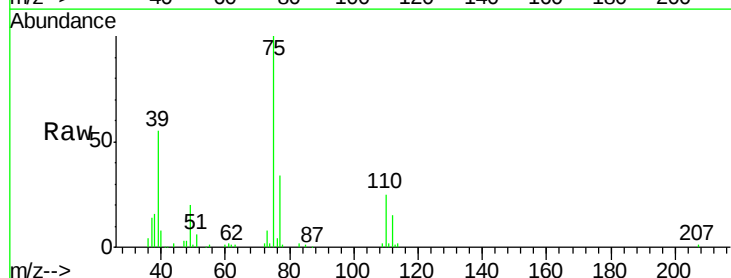
Tgt Ion: 75 Resp: 103429

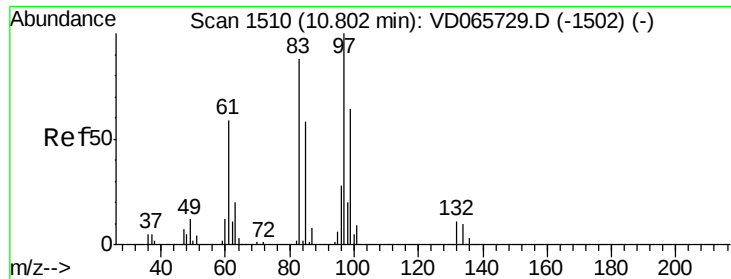
Ion Ratio Lower Upper

75 100

77 34.0 23.8 35.6

39 54.9 41.9 62.9

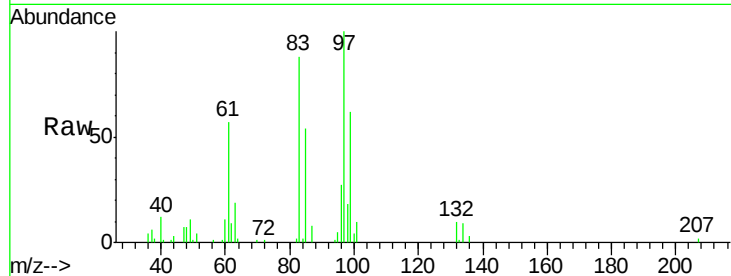




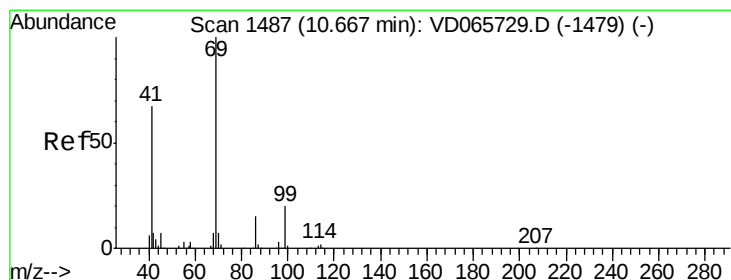
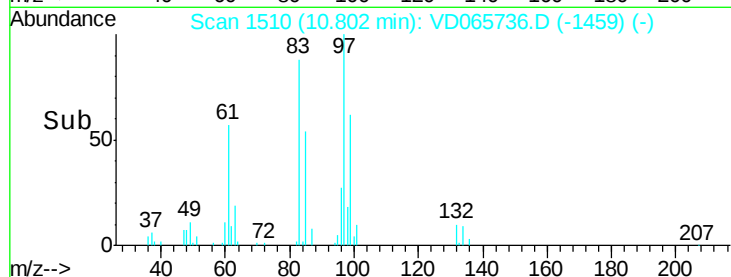
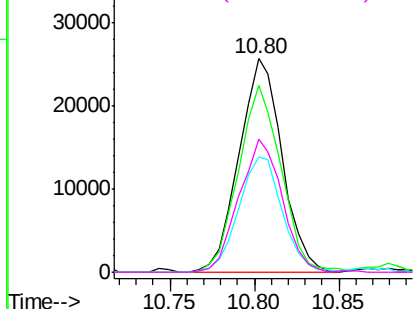
#55
 1,1,2-Trichloroethane
 Concen: 20.417 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Tot Ion: 97 Resp: 45438
 Ion Ratio Lower Upper
 97 100
 83 87.7 70.7 106.1
 85 54.2 46.8 70.2
 99 62.5 50.9 76.3

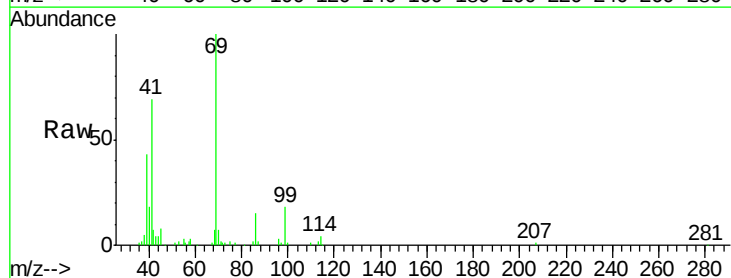


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

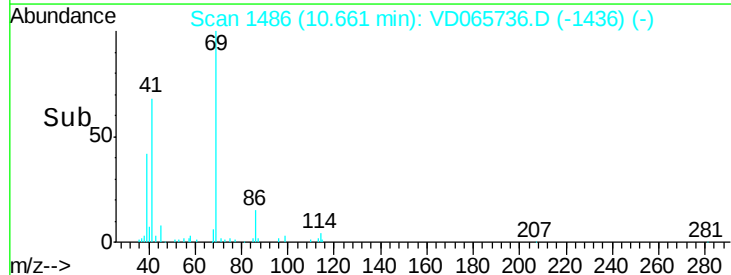
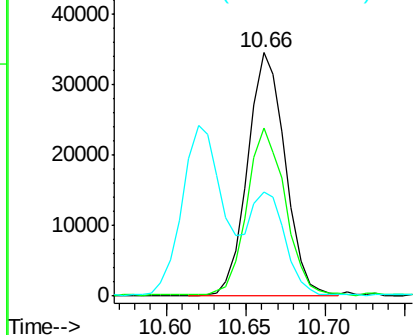


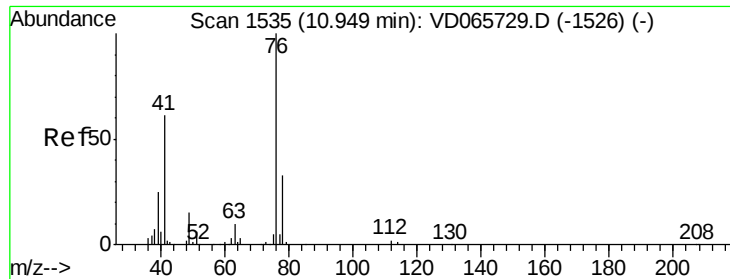
#56
 Ethyl methacrylate
 Concen: 19.698 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Tgt Ion: 69 Resp: 57137
 Ion Ratio Lower Upper
 69 100
 41 71.7 55.7 83.5
 39 43.3 28.6 43.0#



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

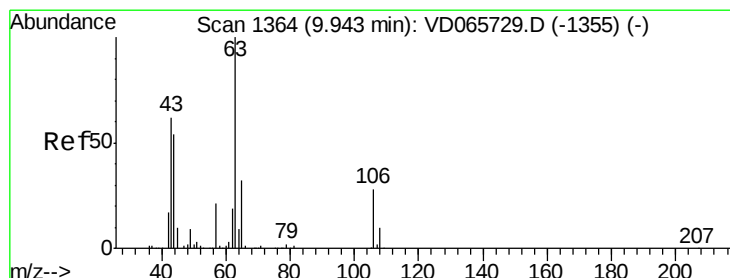
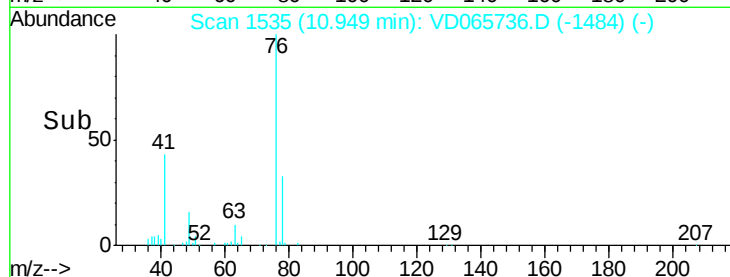
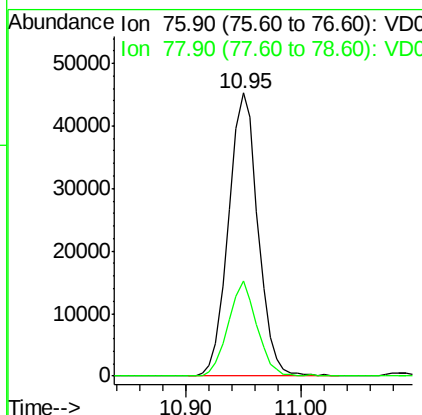
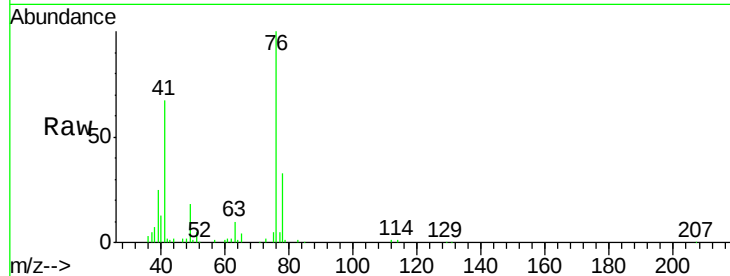




#57
 1,3-Dichloropropane
 Concen: 20.700 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

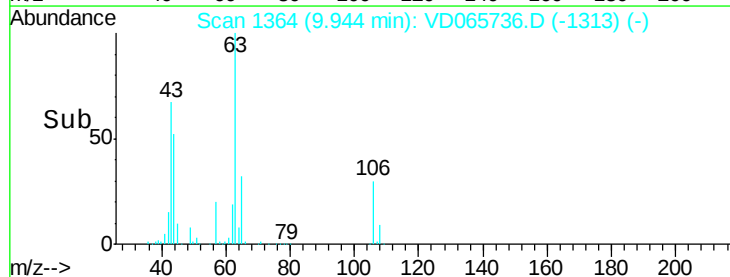
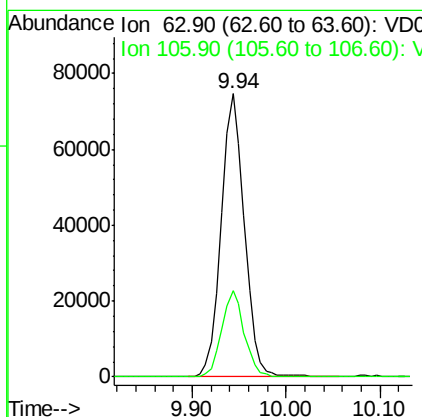
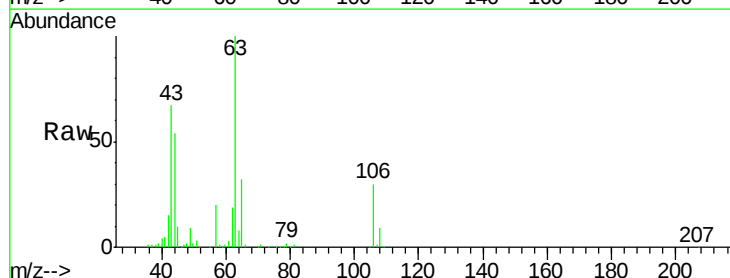
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

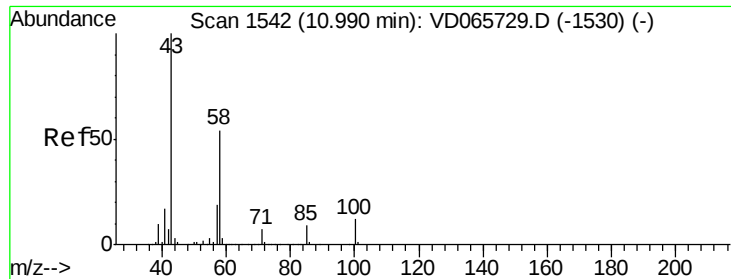
Tot Ion: 76 Resp: 80127
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.240 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Tgt Ion: 63 Resp: 128524
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.5 35.3

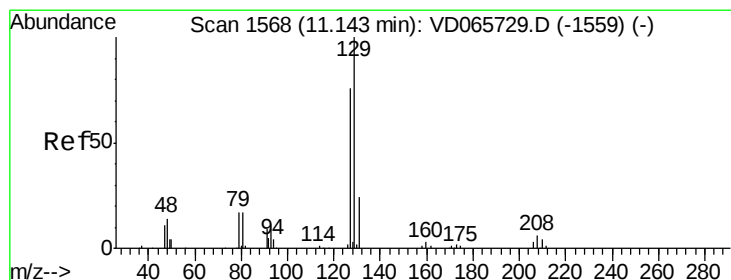
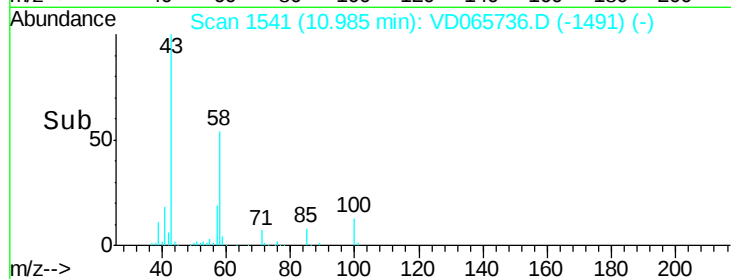
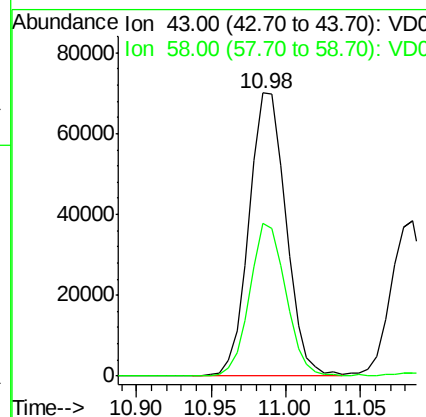
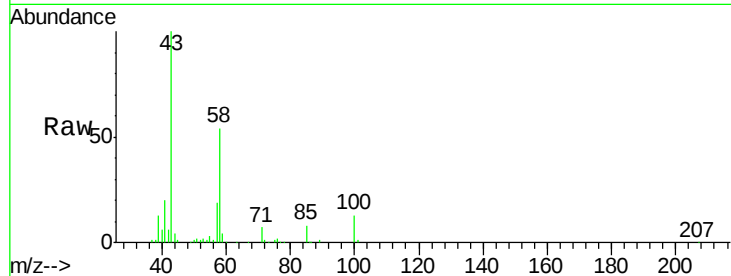




#59
2-Hexanone
Concen: 97.032 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

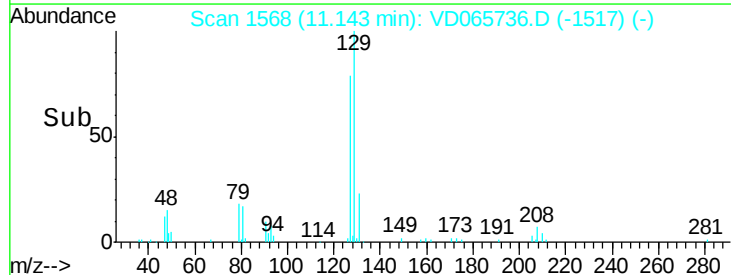
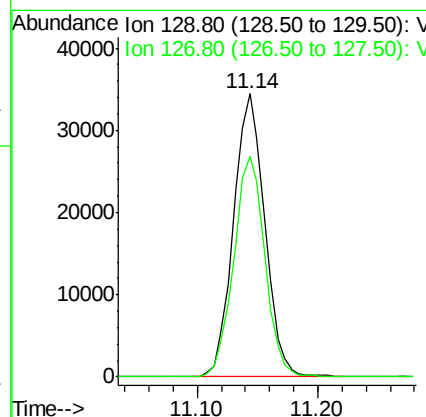
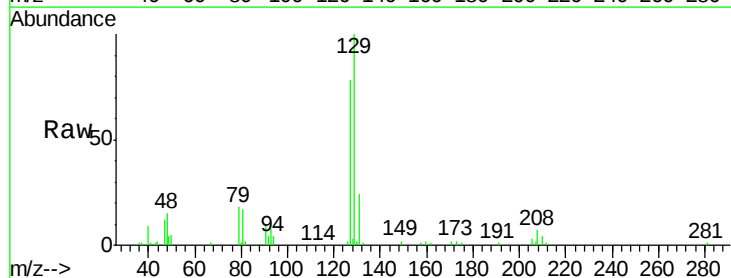
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

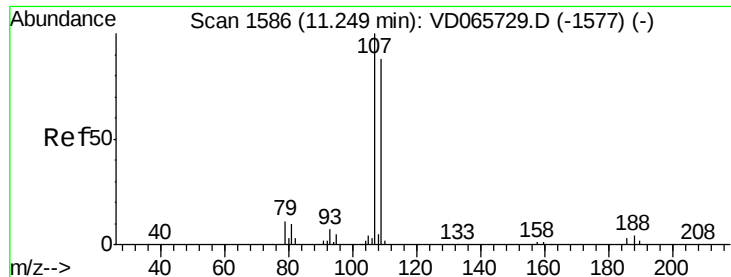
Tot Ion: 43 Resp: 119983
Ion Ratio Lower Upper
43 100
58 52.5 26.7 80.1



#60
Dibromochloromethane
Concen: 20.843 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 129 Resp: 62119
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9

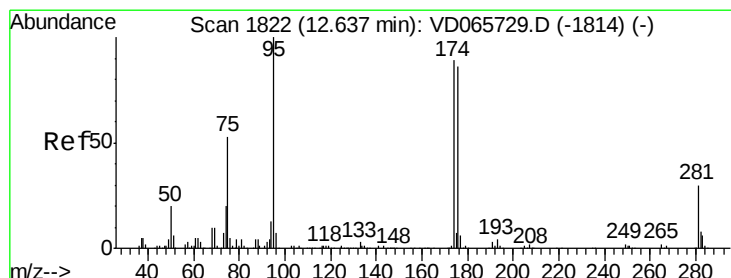
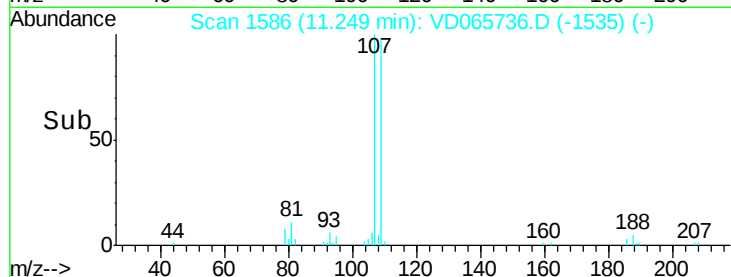
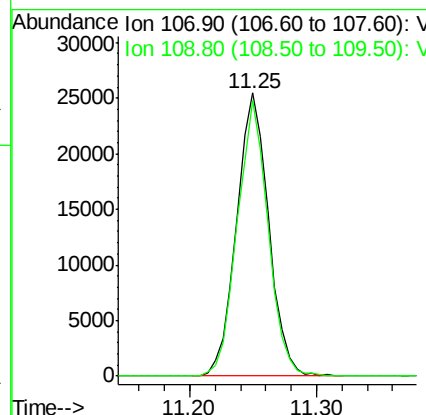
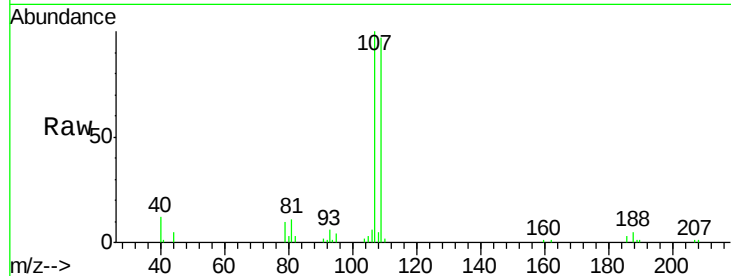




#61
 1,2-Dibromoethane
 Concen: 20.005 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

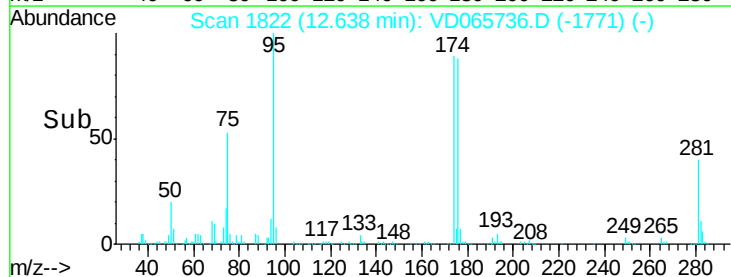
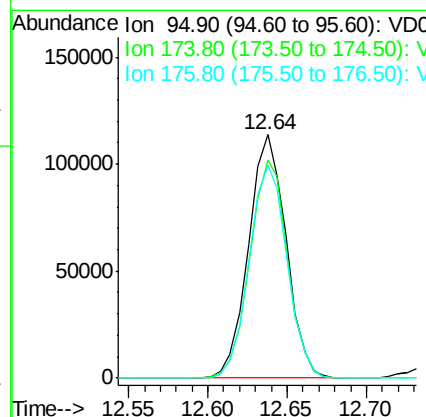
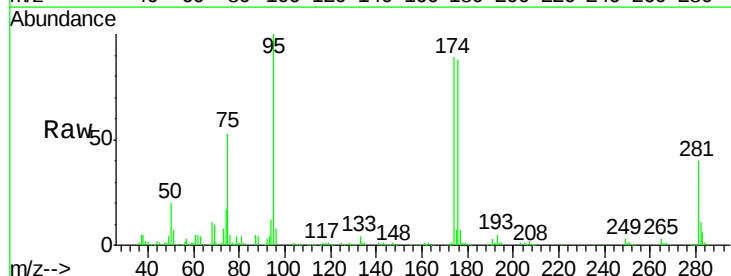
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

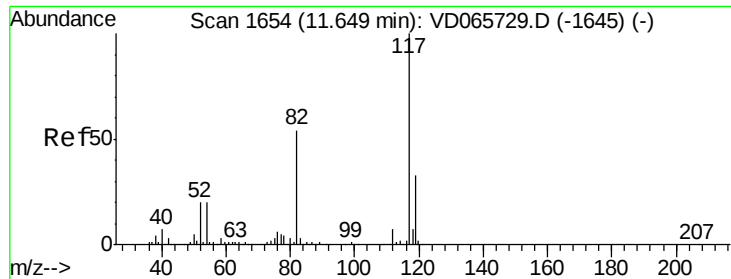
Tot Ion:107 Resp: 44466
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 49.688 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Tgt Ion: 95 Resp: 186756
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 179.4
 176 88.7 0.0 174.0

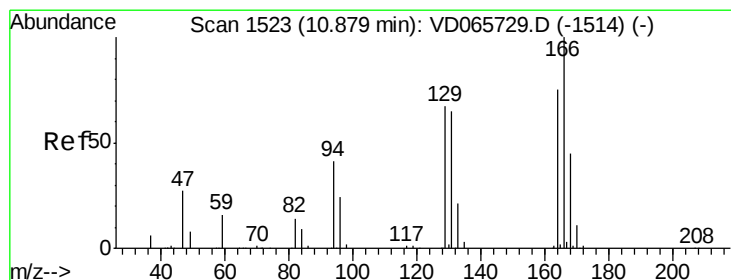
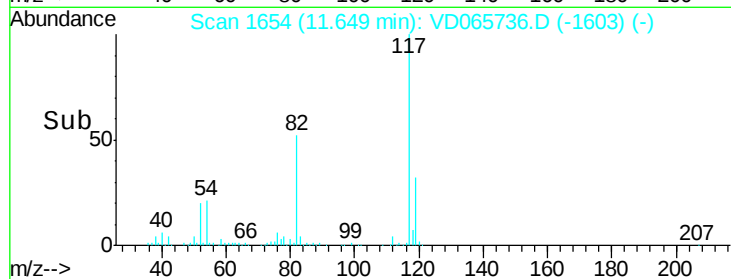
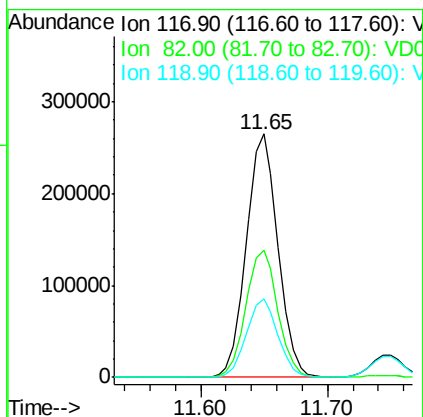
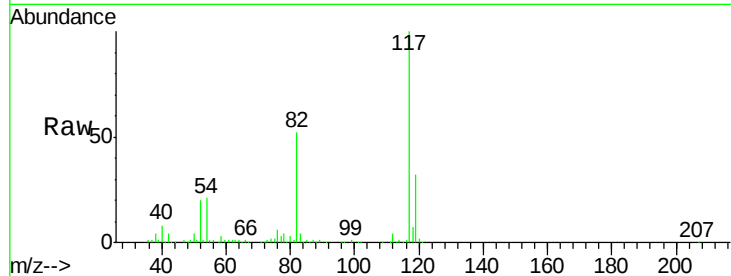




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

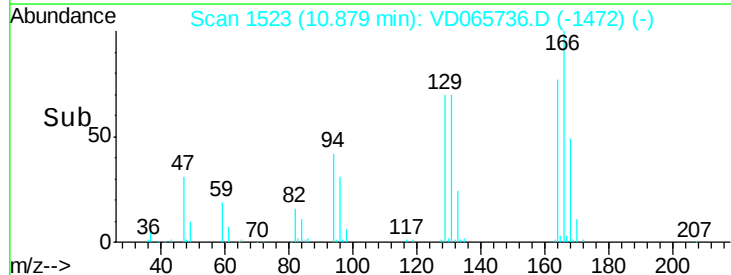
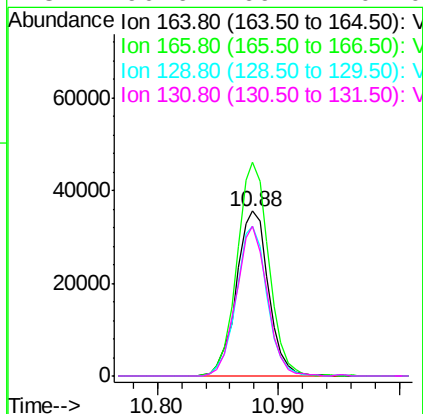
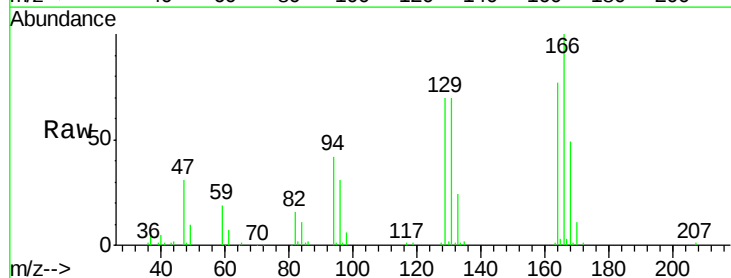
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

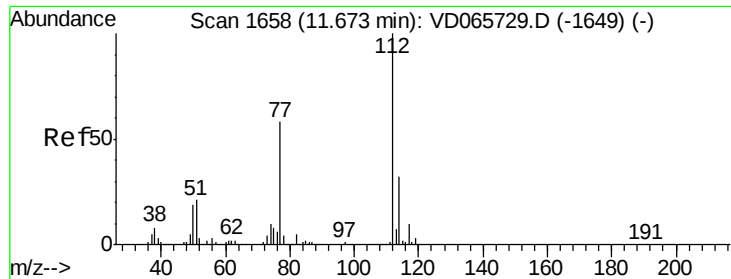
Tot Ion:117 Resp: 459379
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.6
119 32.2 26.6 40.0



#64
Tetrachloroethene
Concen: 20.740 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion:164 Resp: 65880
Ion Ratio Lower Upper
164 100
166 129.6 106.6 159.8
129 90.5 71.4 107.2
131 90.6 69.4 104.0





#65

Chlorobenzene

Concen: 20.805 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

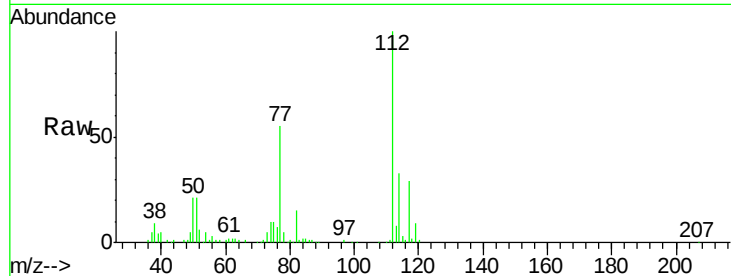
VD0514SBS01

Tot Ion:112 Resp: 180097

Ion Ratio Lower Upper

112 100

114 32.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

100000

80000

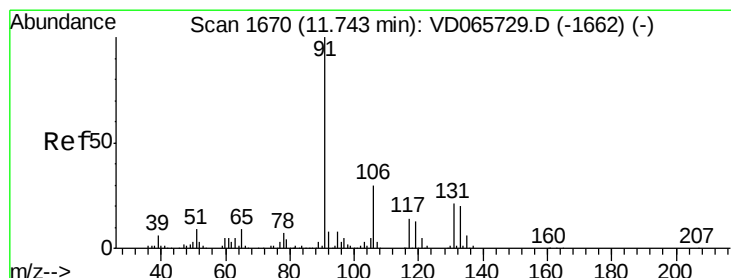
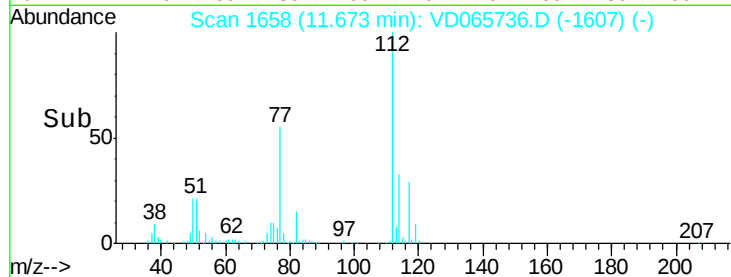
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.391 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

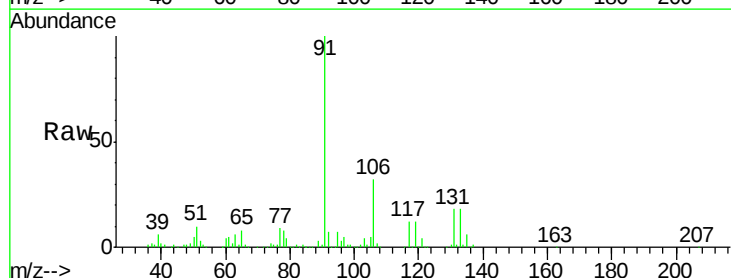
Tgt Ion:131 Resp: 66086

Ion Ratio Lower Upper

131 100

133 97.1 47.6 142.8

119 64.3 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

80000

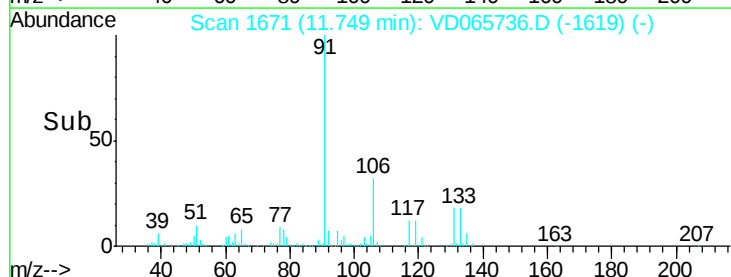
60000

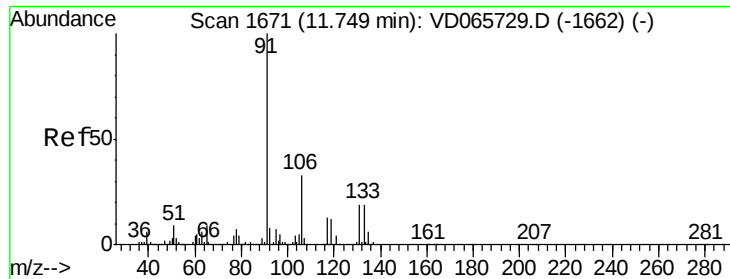
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 21.187 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

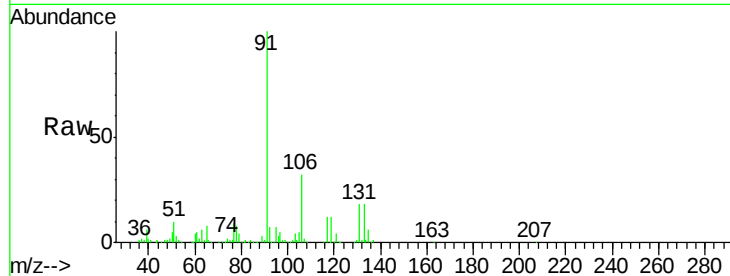
VD0514SBS01

Tot Ion: 91 Resp: 327019

Ion Ratio Lower Upper

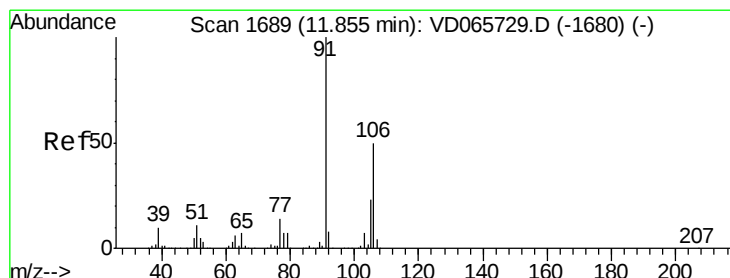
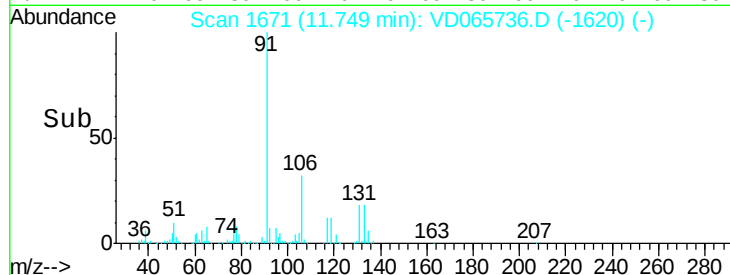
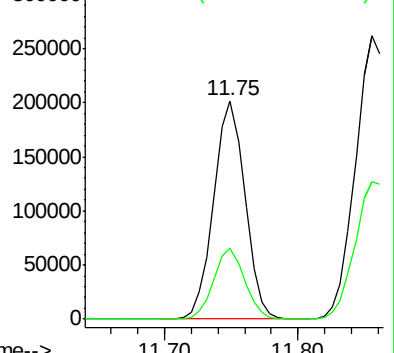
91 100

106 32.4 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.368 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065736.D

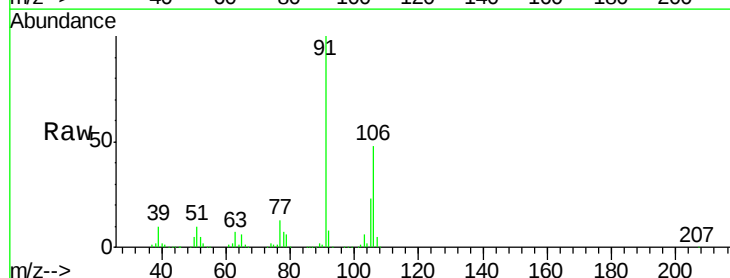
Acq: 14 May 2020 12:05

Tgt Ion: 106 Resp: 249769

Ion Ratio Lower Upper

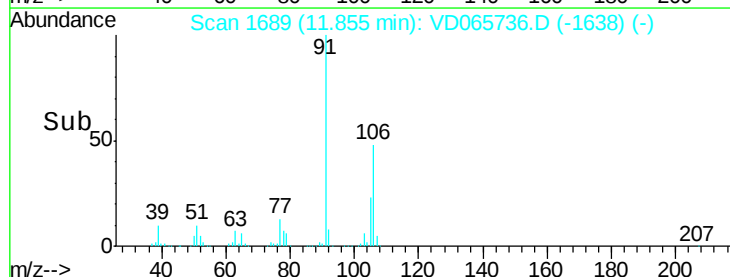
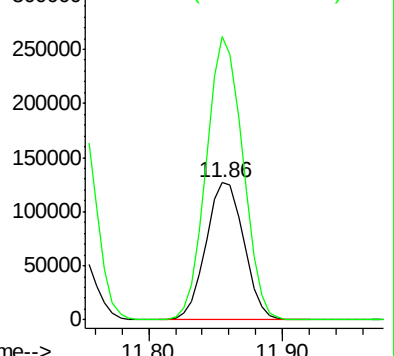
106 100

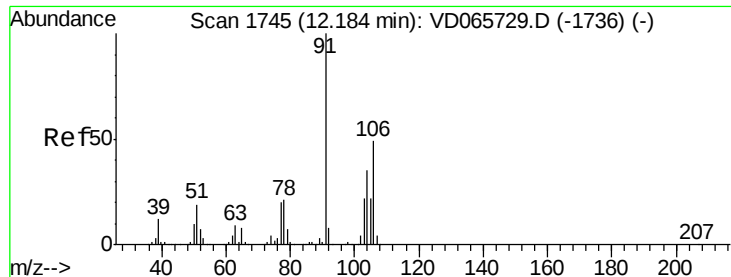
91 199.1 158.7 238.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

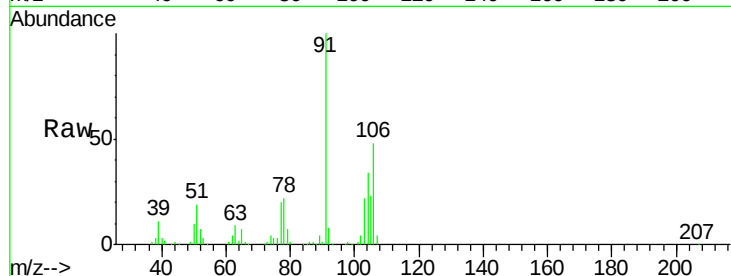




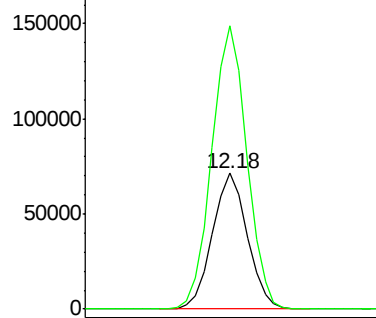
#69
o-Xylene
Concen: 21.037 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

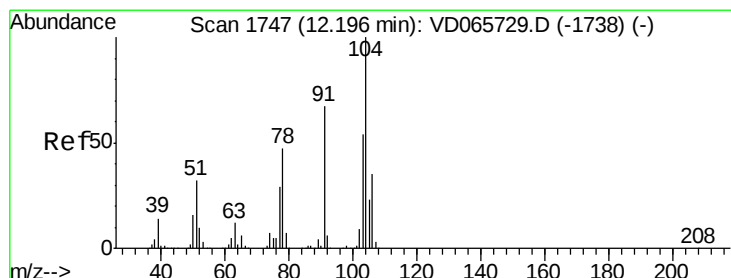
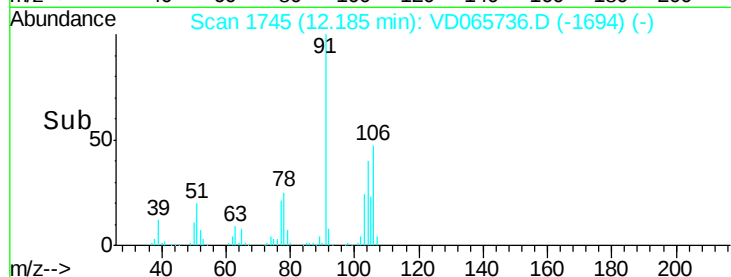
Tot Ion:106 Resp: 115450
Ion Ratio Lower Upper
106 100
91 208.4 101.8 305.4



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

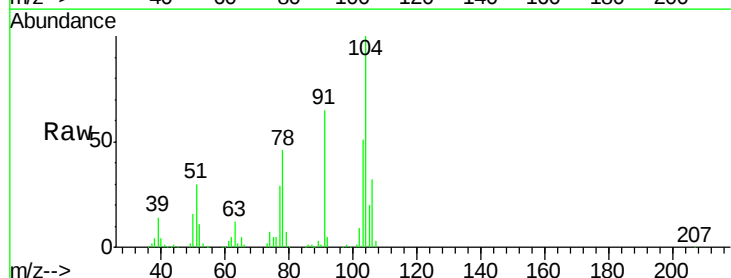


Time--> 12.10 12.15 12.20 12.25

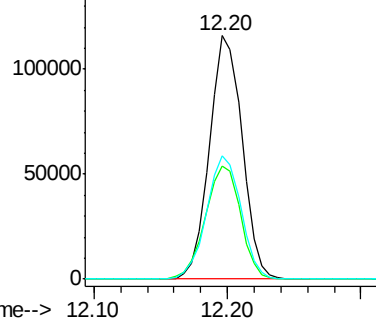


#70
Styrene
Concen: 20.948 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

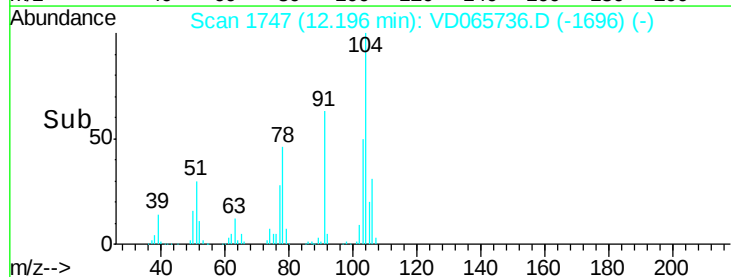
Tgt Ion:104 Resp: 196195
Ion Ratio Lower Upper
104 100
78 50.3 39.0 58.6
103 53.4 44.0 66.0

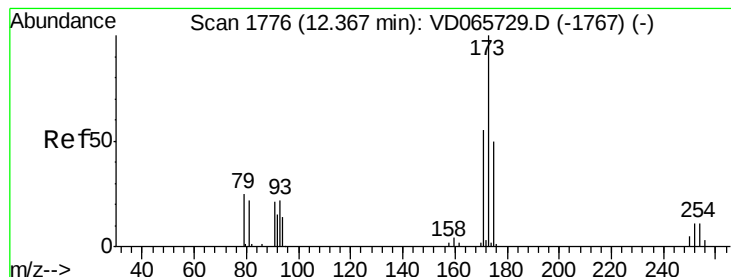


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20





#71

Bromoform

Concen: 20.158 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

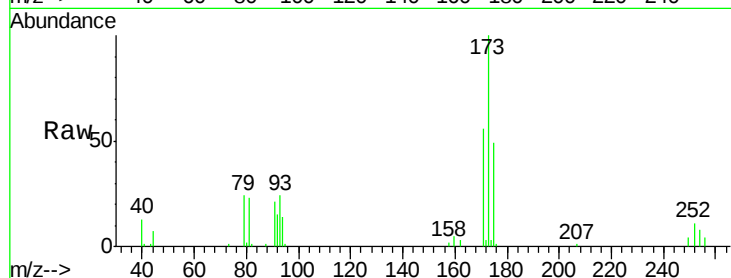
Tot Ion:173 Resp: 36057

Ion Ratio Lower Upper

173 100

175 49.7 24.6 73.6

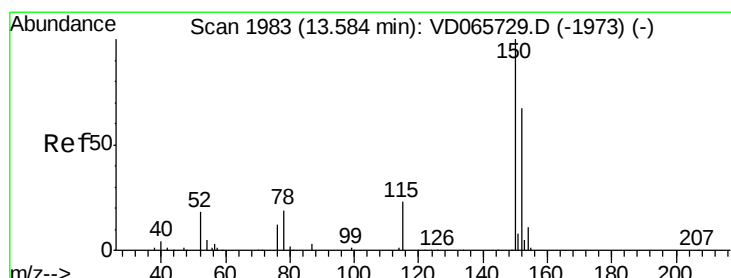
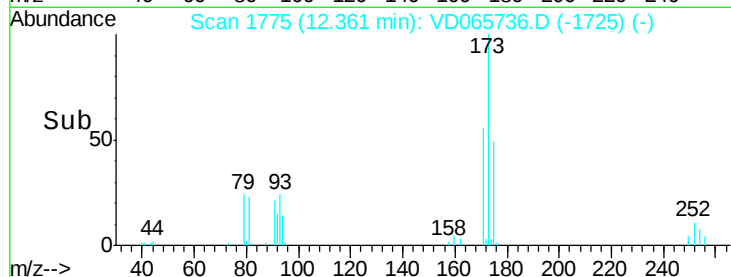
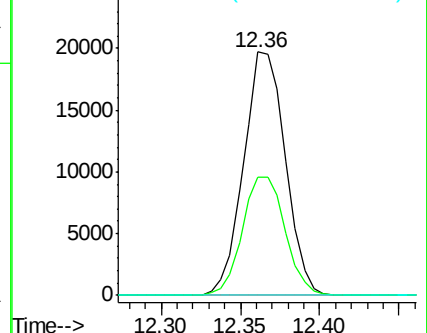
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

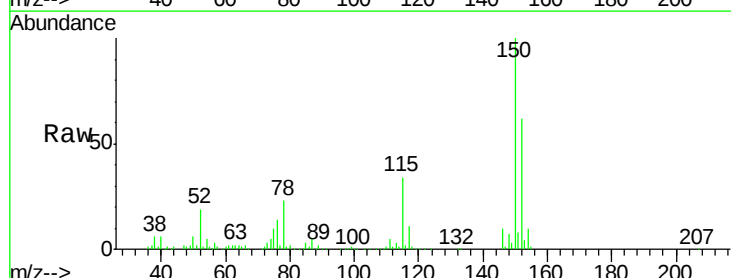
Tgt Ion:152 Resp: 221212

Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.3

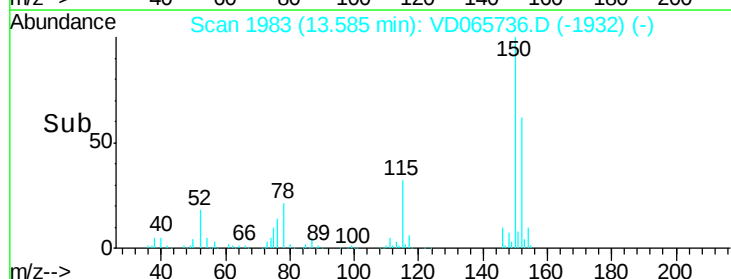
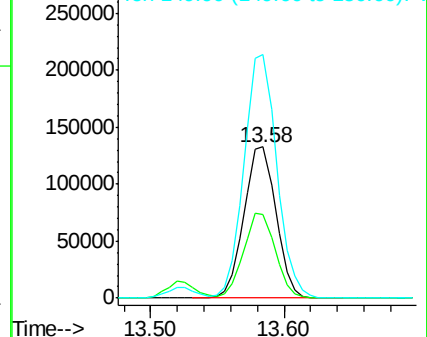
150 164.2 0.0 343.2

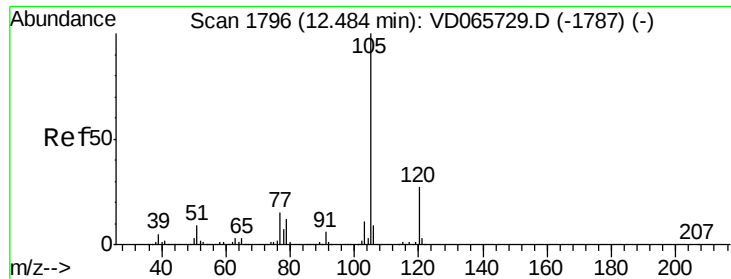


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.943 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

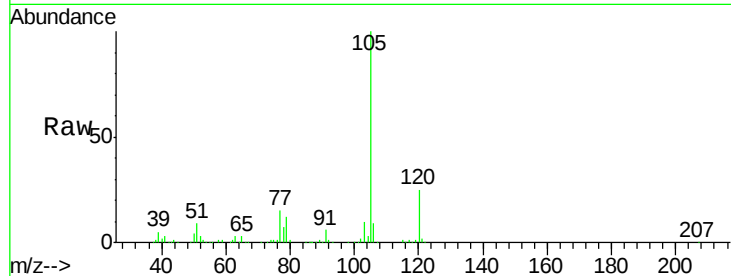
VD0514SBS01

Tot Ion:105 Resp: 325867

Ion Ratio Lower Upper

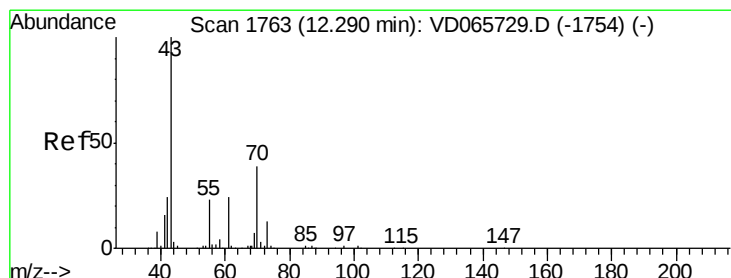
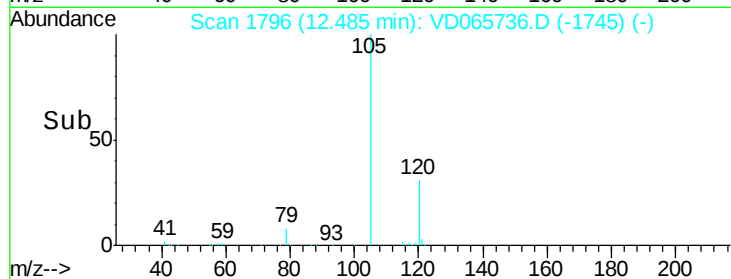
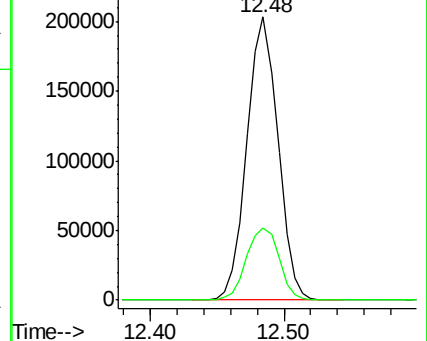
105 100

120 26.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.959 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Tgt Ion: 43 Resp: 68821

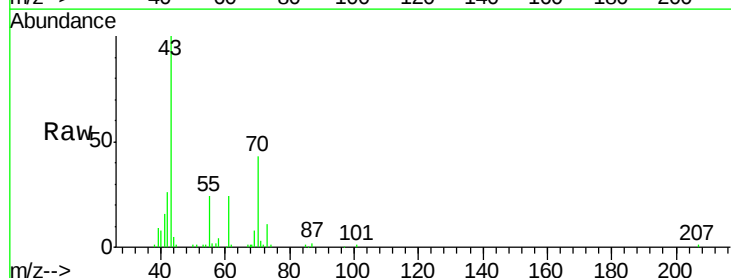
Ion Ratio Lower Upper

43 100

70 41.3 31.8 47.6

55 23.2 17.9 26.9

61 22.9 19.0 28.6

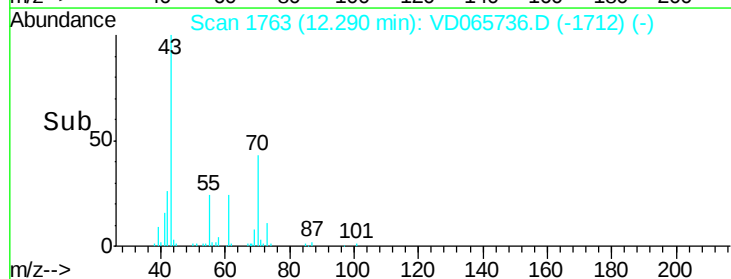
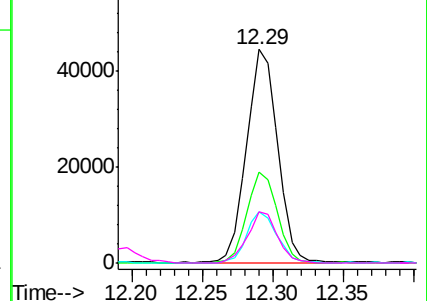


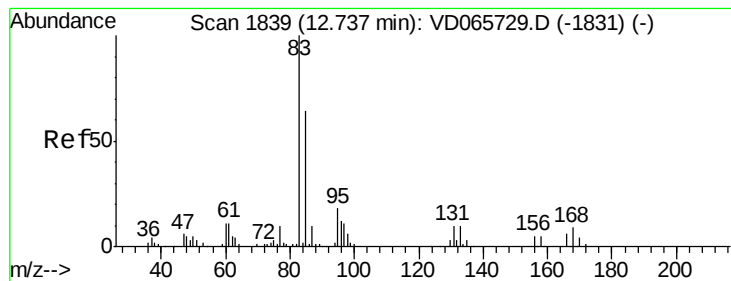
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.357 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

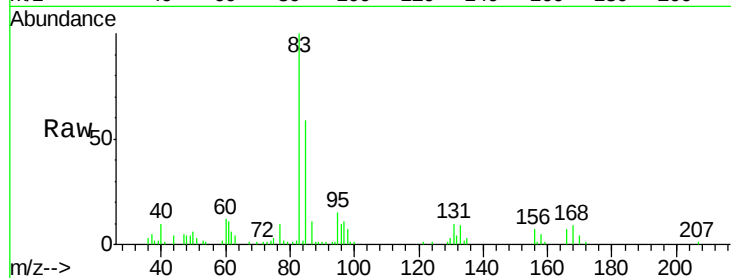
Tot Ion: 83 Resp: 47849

Ion Ratio Lower Upper

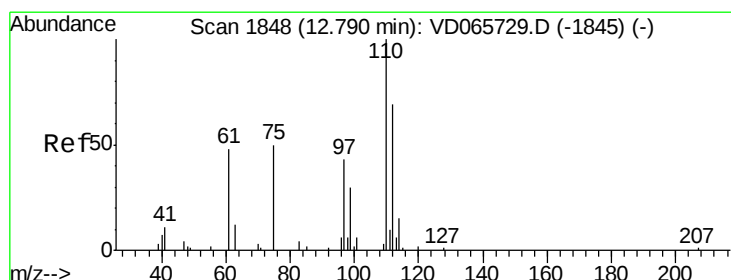
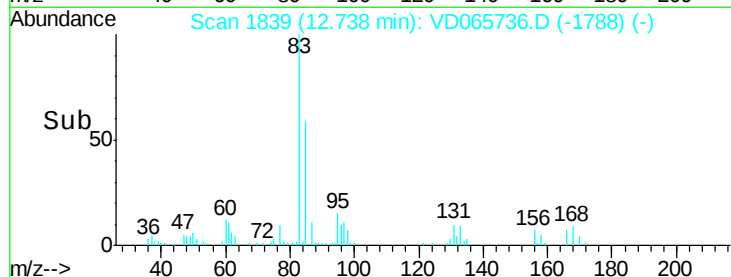
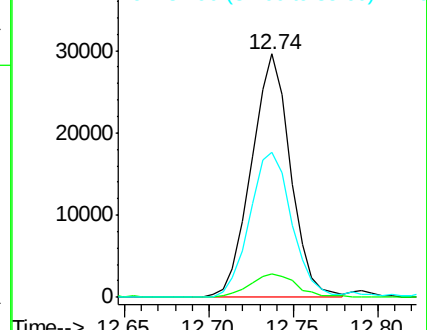
83 100

131 11.7 5.9 17.6

85 63.8 32.5 97.4



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: 22.888 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065736.D

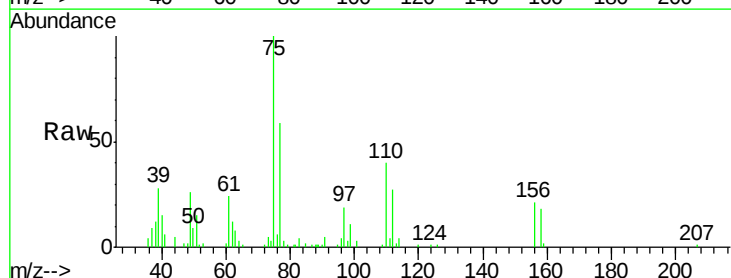
Acq: 14 May 2020 12:05

Tgt Ion: 75 Resp: 37786

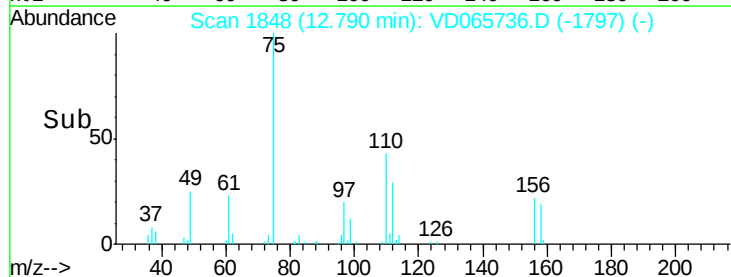
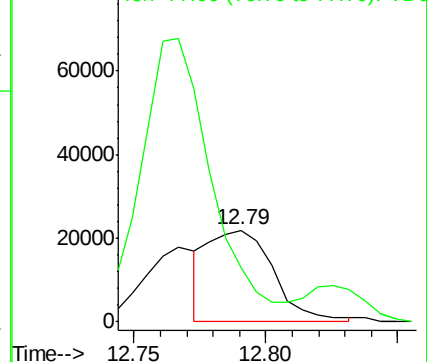
Ion Ratio Lower Upper

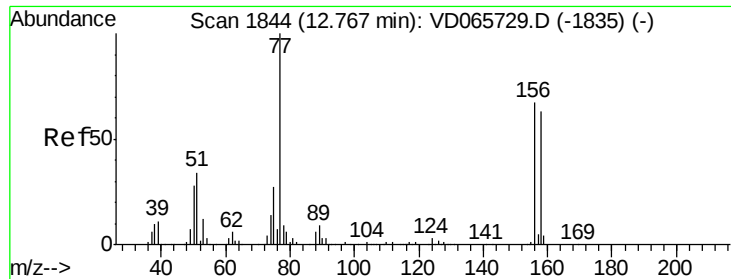
75 100

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: 20.788 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

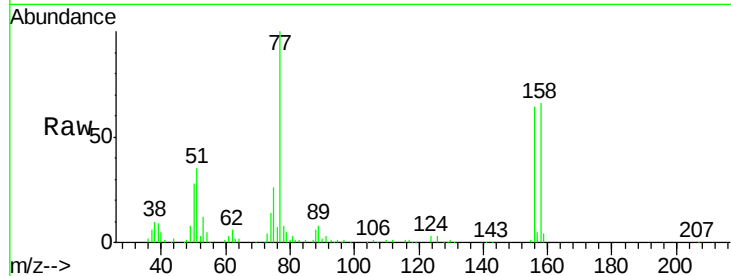
Tot Ion:156 Resp: 74412

Ion Ratio Lower Upper

156 100

77 169.2 84.9 254.6

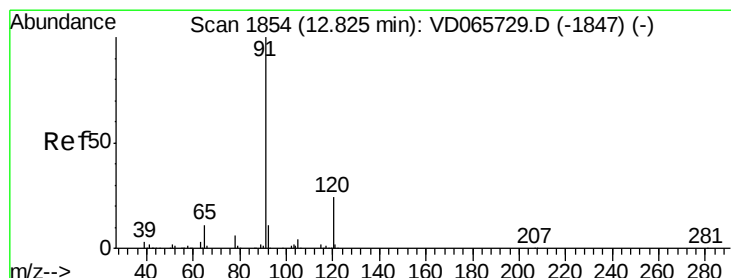
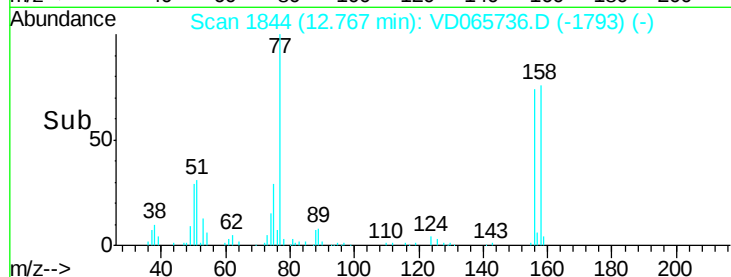
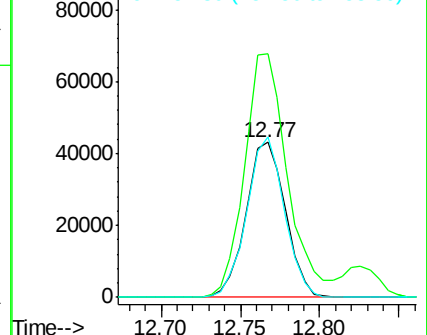
158 98.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.568 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065736.D

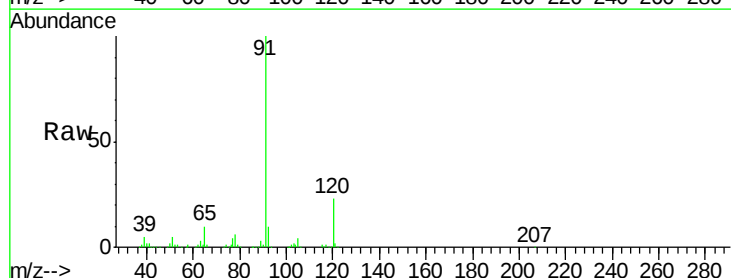
Acq: 14 May 2020 12:05

Tgt Ion: 91 Resp: 374153

Ion Ratio Lower Upper

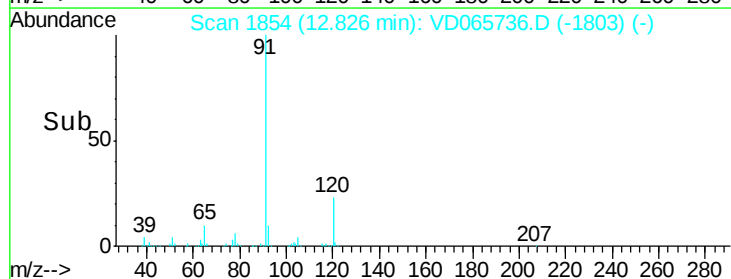
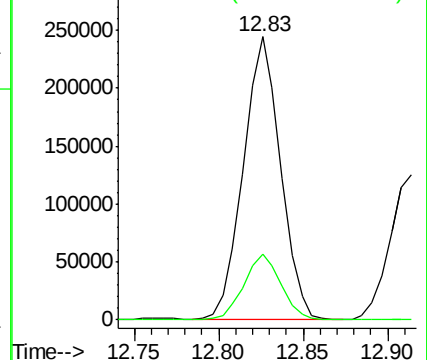
91 100

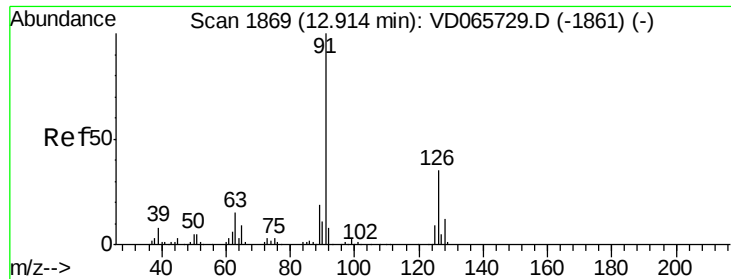
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.650 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

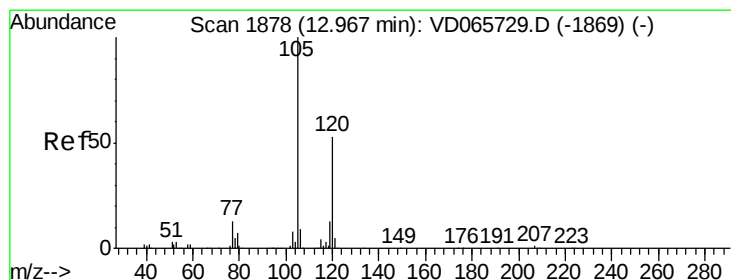
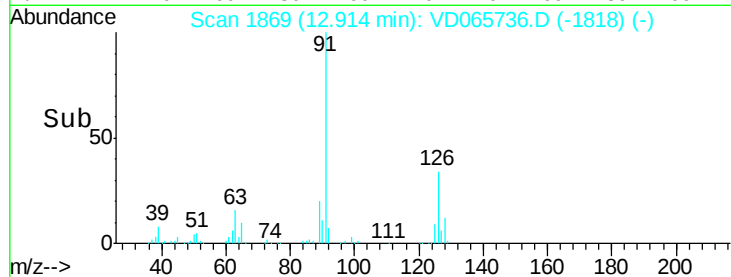
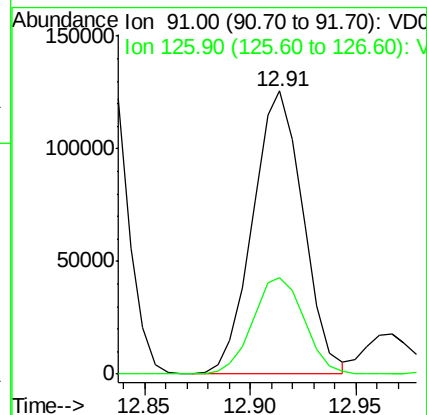
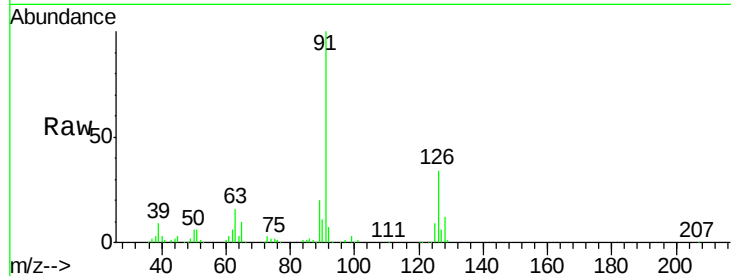
VD0514SBS01

Tot Ion: 91 Resp: 207811

Ion Ratio Lower Upper

91 100

126 34.8 18.1 54.1



#80

1,3,5-Trimethylbenzene

Concen: 21.283 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065736.D

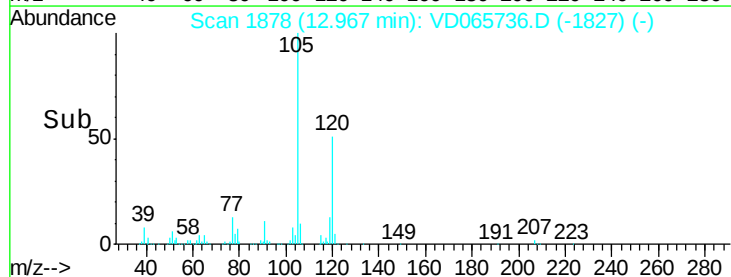
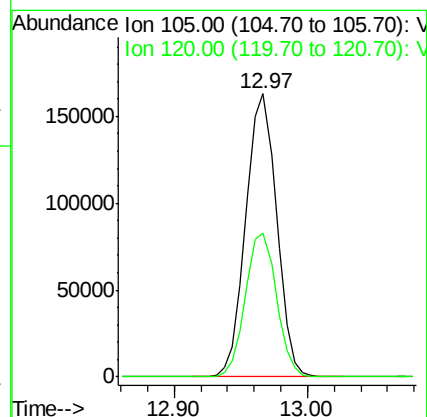
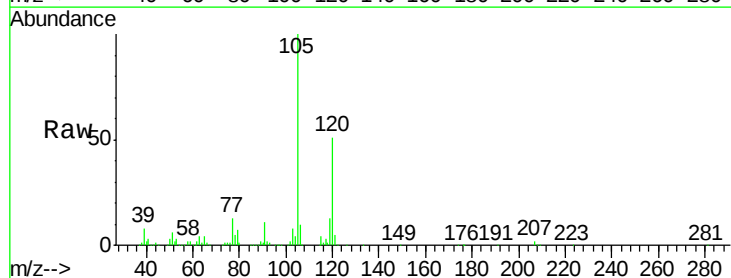
Acq: 14 May 2020 12:05

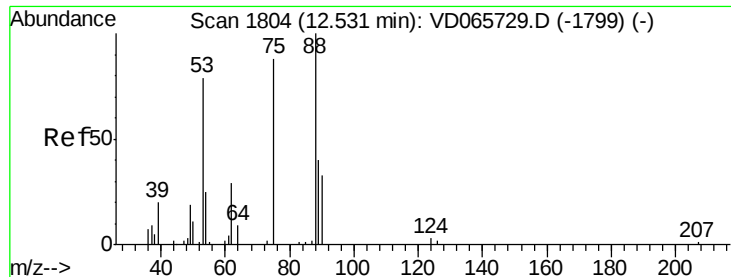
Tgt Ion:105 Resp: 260429

Ion Ratio Lower Upper

105 100

120 51.1 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.907 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

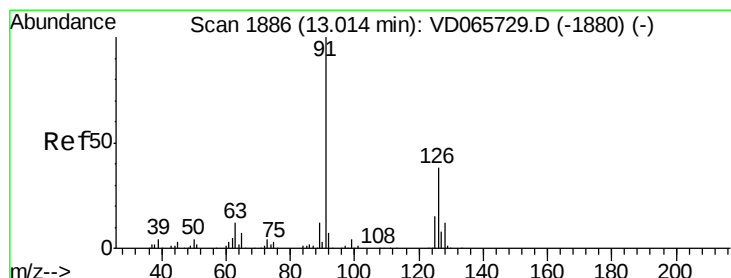
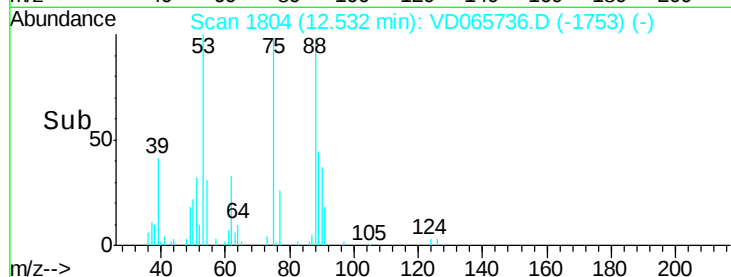
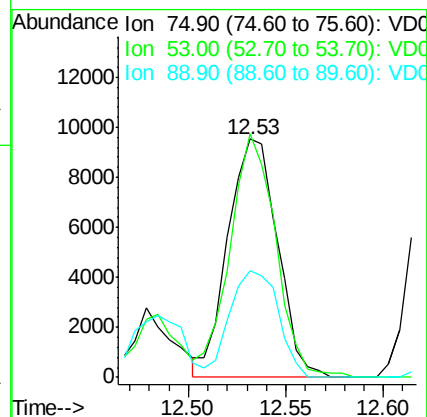
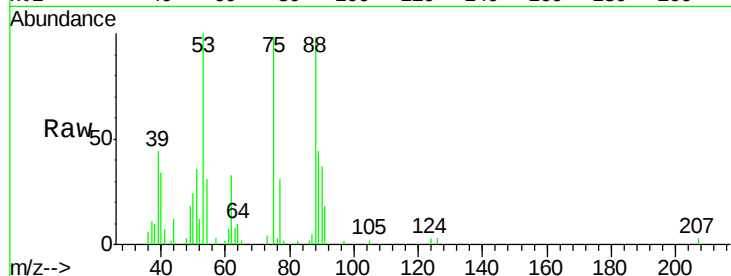
Tot Ion: 75 Resp: 16752

Ion Ratio Lower Upper

75 100

53 94.7 72.6 109.0

89 43.5 37.0 55.4



#82

4-Chlorotoluene

Concen: 21.485 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065736.D

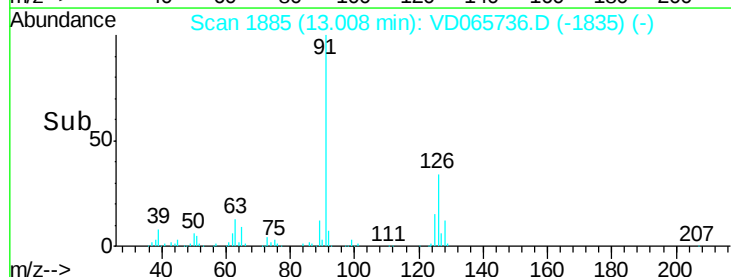
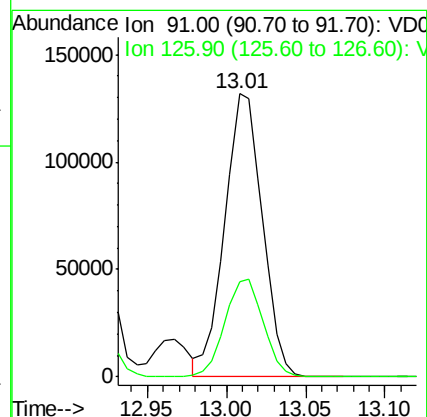
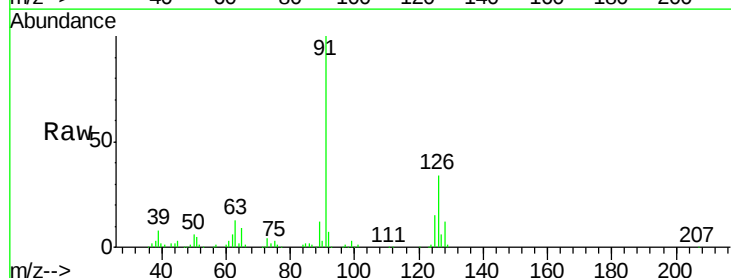
Acq: 14 May 2020 12:05

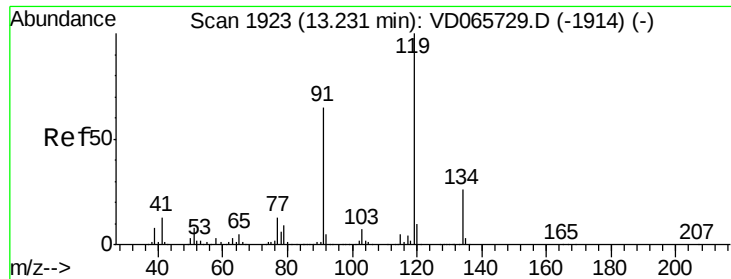
Tgt Ion: 91 Resp: 217427

Ion Ratio Lower Upper

91 100

126 35.1 17.8 53.3

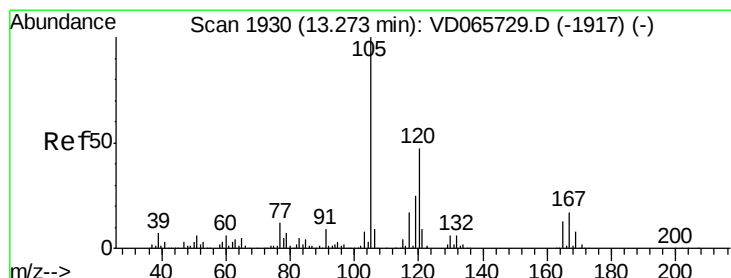
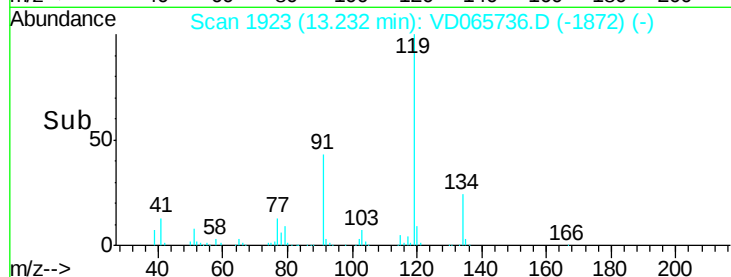
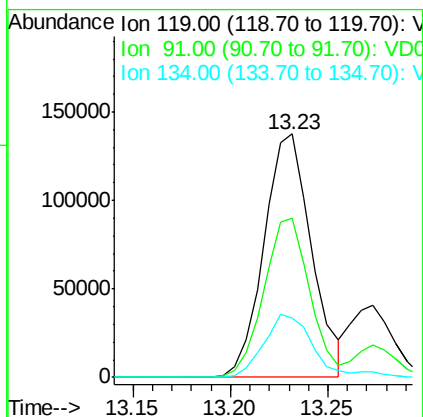
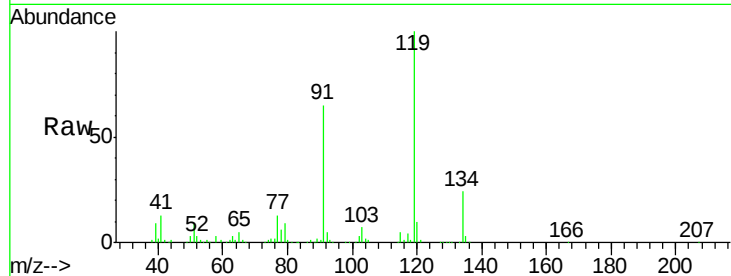




#83
tert-Butylbenzene
Concen: 21.418 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

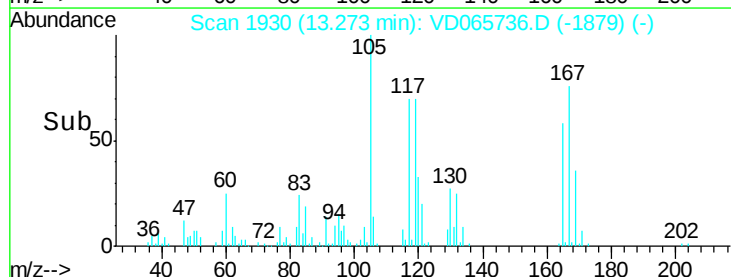
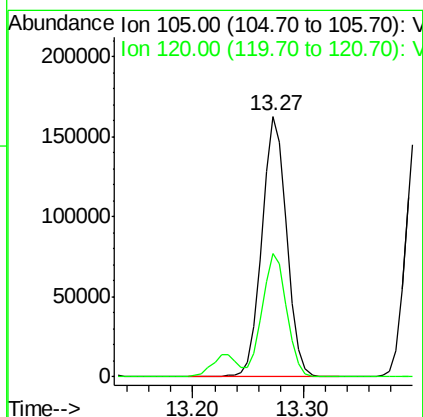
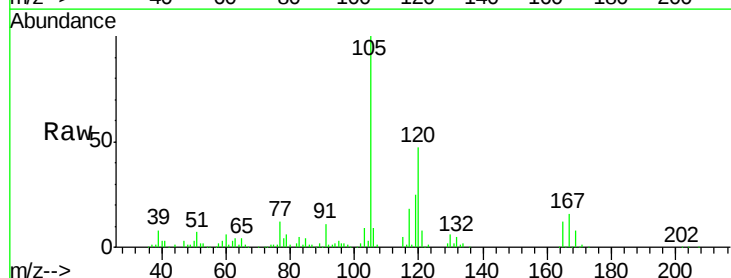
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

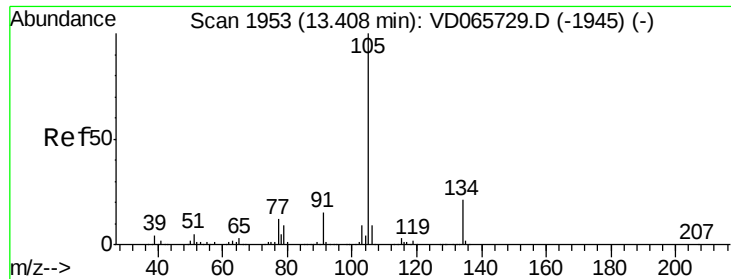
Tot Ion:119 Resp: 232393
Ion Ratio Lower Upper
119 100
91 62.9 31.6 95.0
134 27.2 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 21.276 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion:105 Resp: 256751
Ion Ratio Lower Upper
105 100
120 47.0 23.6 70.8

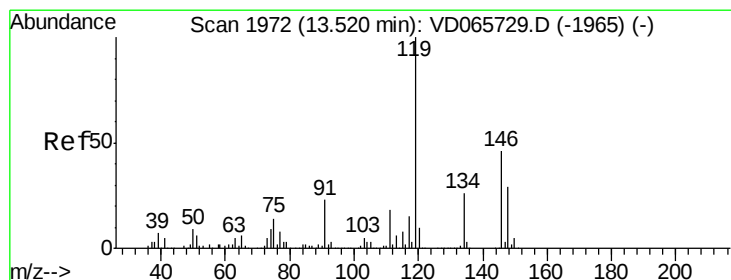
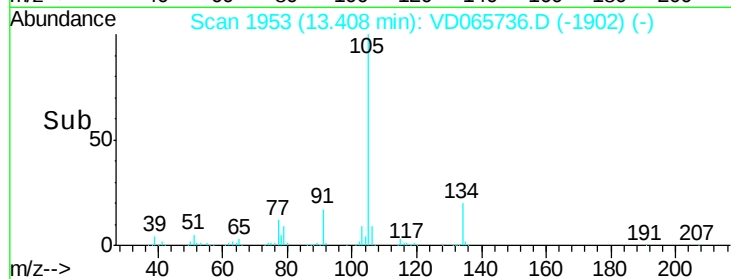
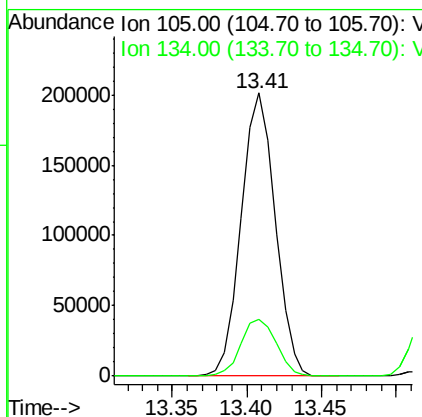
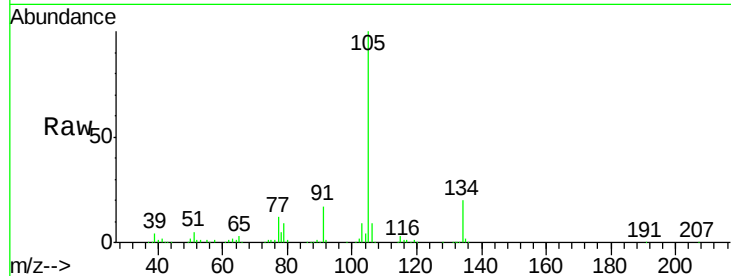




#85
 sec-Butylbenzene
 Concen: 21.558 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

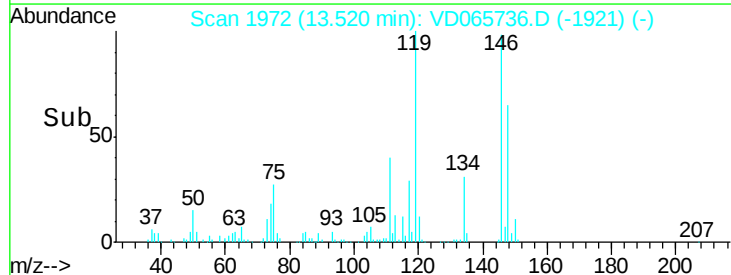
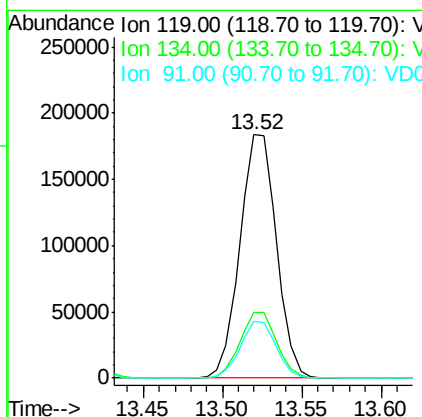
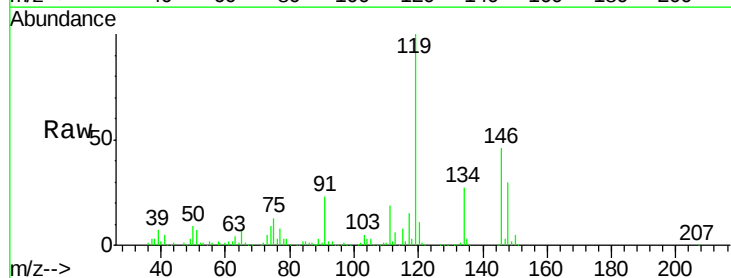
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

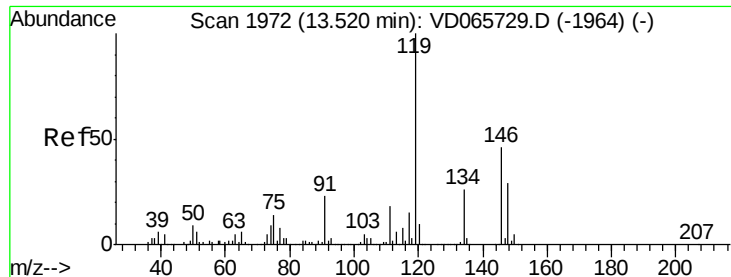
Tot Ion:105 Resp: 318297
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 21.660 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Tgt Ion:119 Resp: 293942
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.7
 91 23.0 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 21.294 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

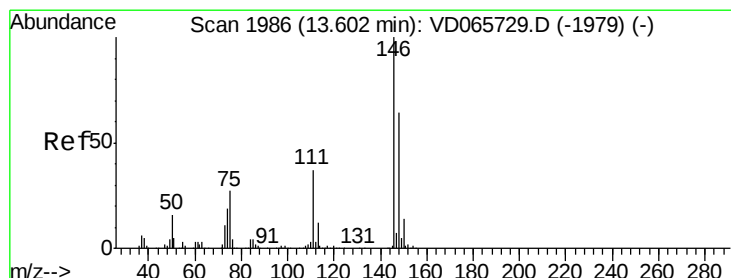
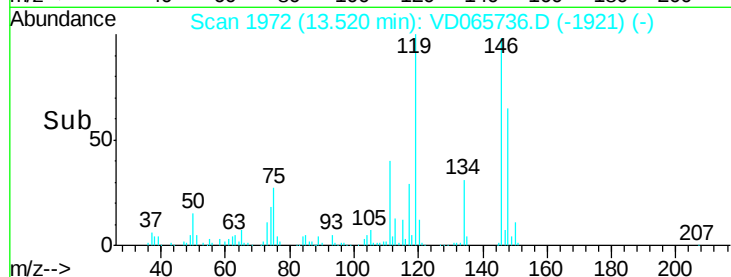
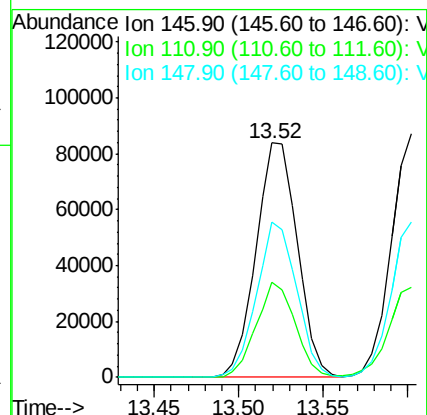
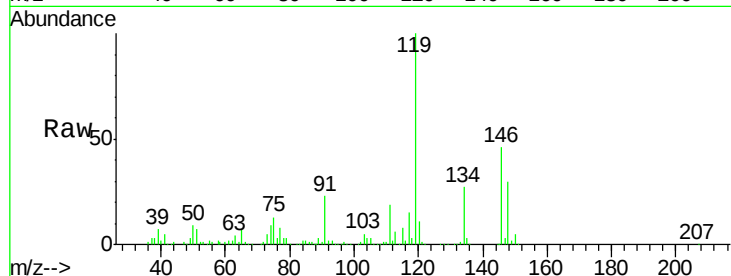
Tot Ion:146 Resp: 142967

Ion Ratio Lower Upper

146 100

111 38.2 18.9 56.9

148 64.3 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 21.187 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

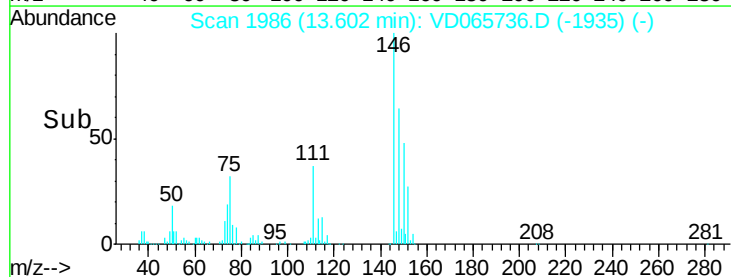
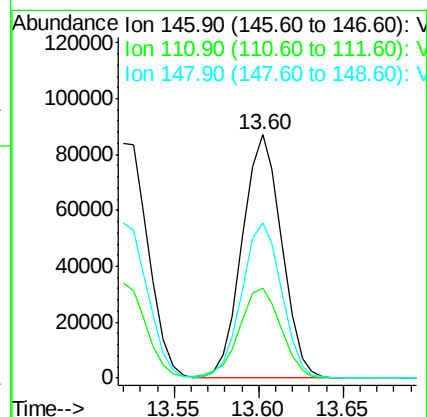
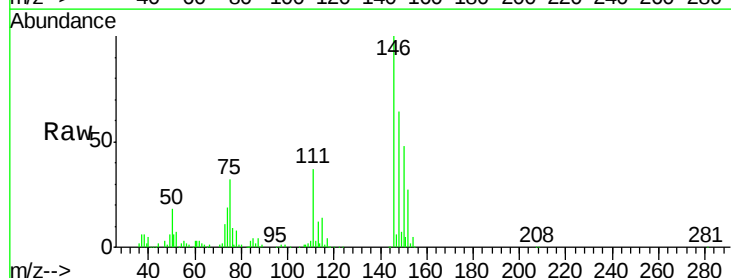
Tgt Ion:146 Resp: 141684

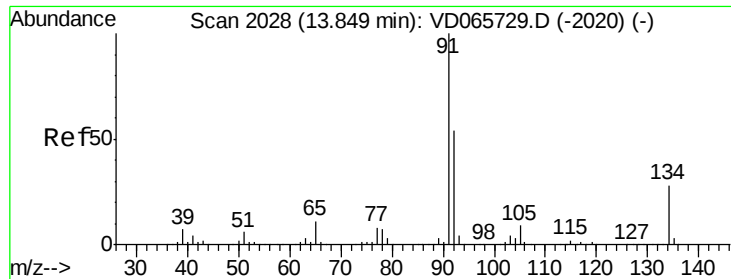
Ion Ratio Lower Upper

146 100

111 39.3 18.4 55.2

148 64.3 31.6 94.7

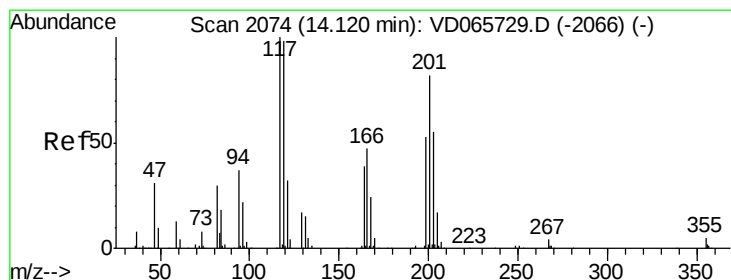
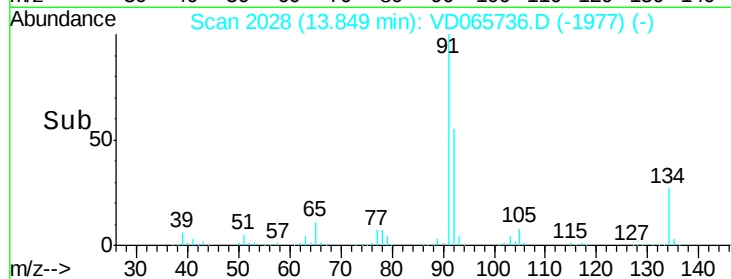
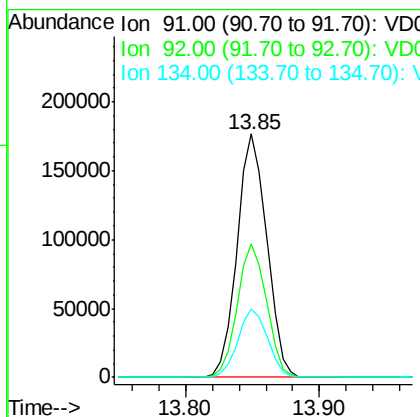
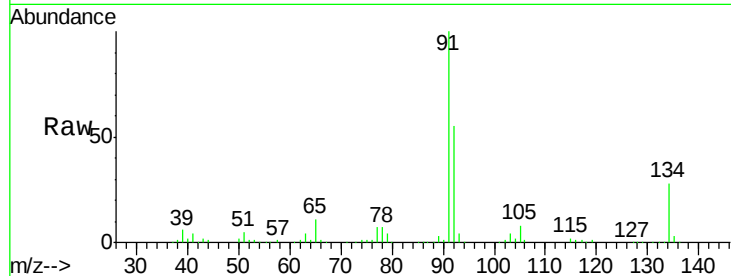




#89
n-Butylbenzene
Concen: 21.395 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

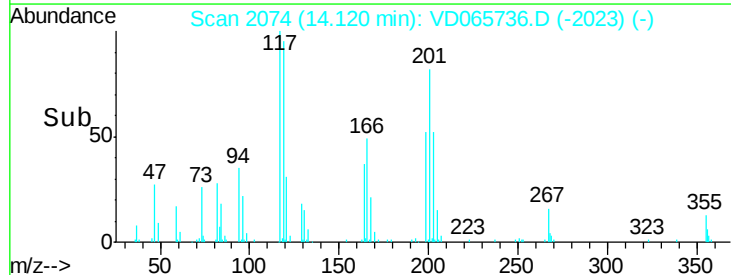
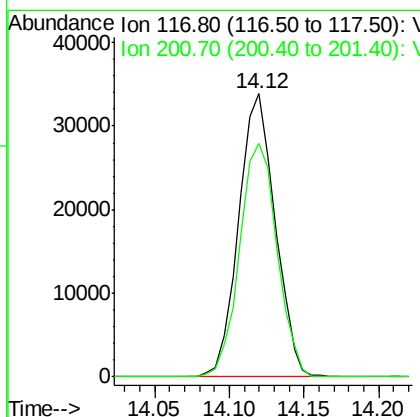
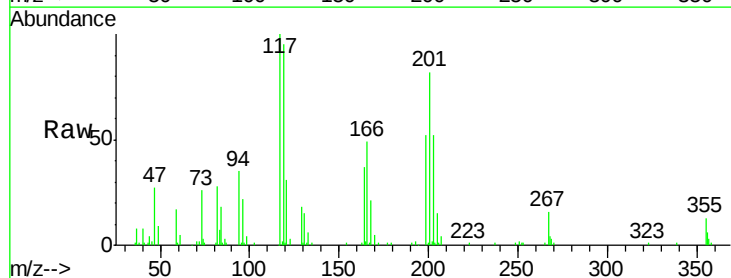
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

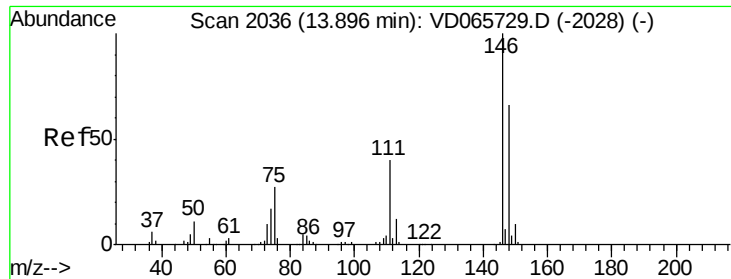
Tot Ion: 91 Resp: 271500
Ion Ratio Lower Upper
91 100
92 53.9 27.0 81.0
134 27.9 13.9 41.7



#90
Hexachloroethane
Concen: 21.625 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion: 117 Resp: 57414
Ion Ratio Lower Upper
117 100
201 84.3 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 20.744 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

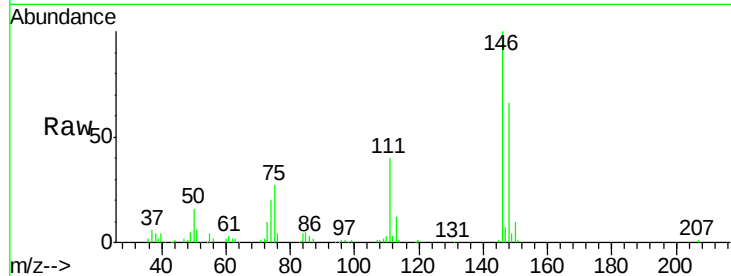
Tot Ion:146 Resp: 120463

Ion Ratio Lower Upper

146 100

111 39.8 20.0 60.0

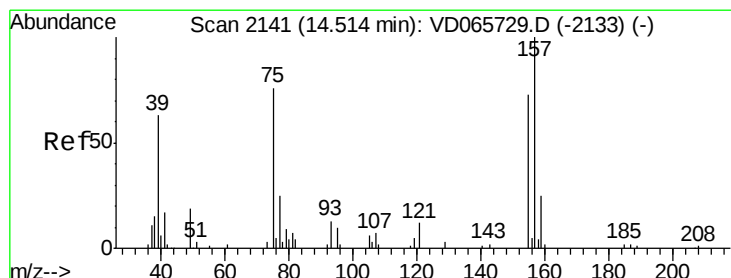
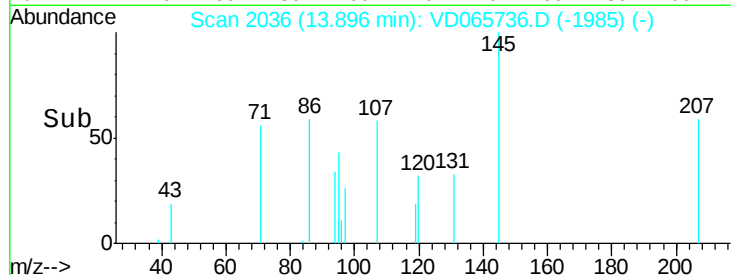
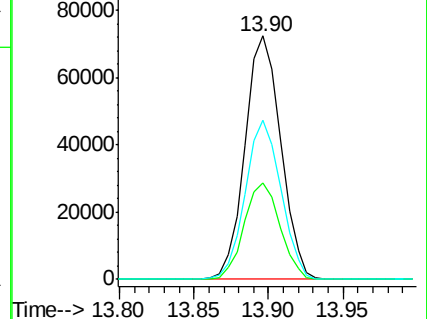
148 65.0 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.898 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065736.D

Acq: 14 May 2020 12:05

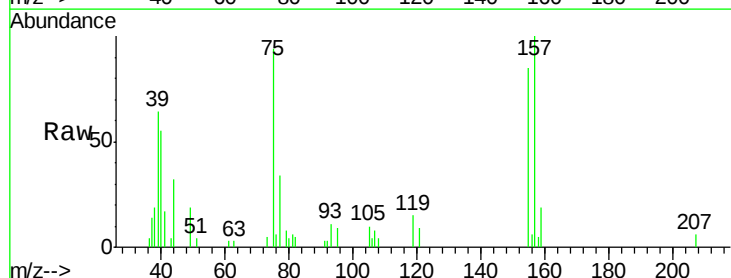
Tgt Ion: 75 Resp: 7821

Ion Ratio Lower Upper

75 100

155 90.7 48.4 145.0

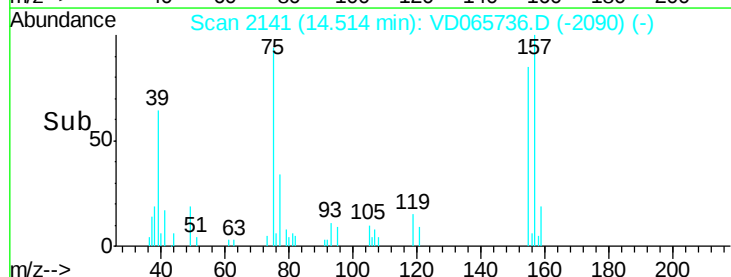
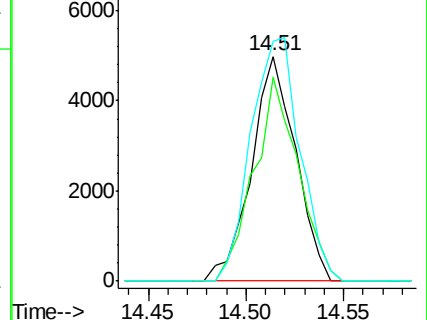
157 120.3 62.6 187.8

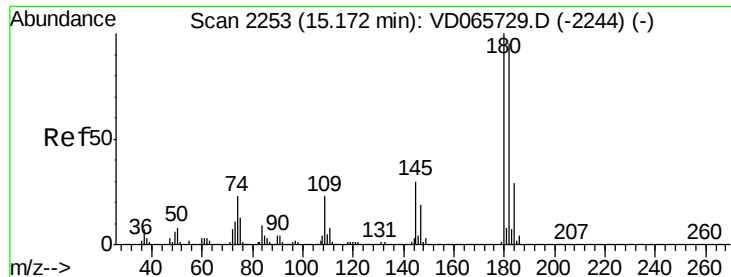


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

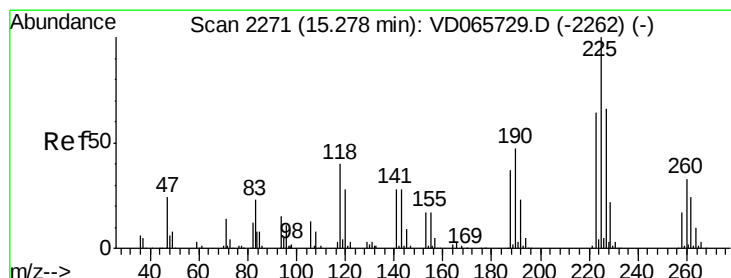
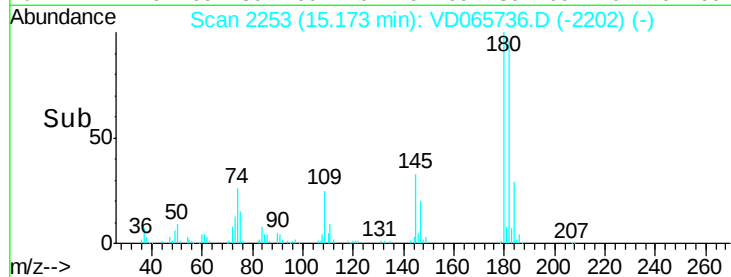
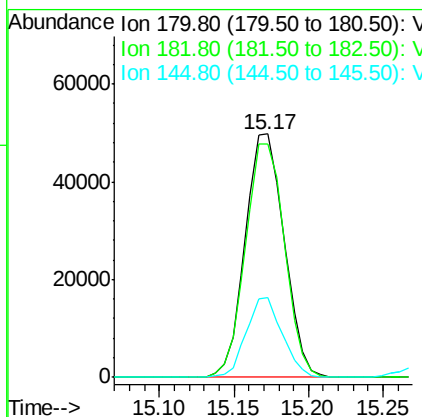
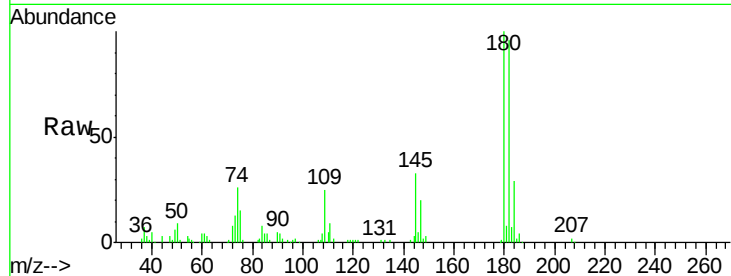




#93
 1,2,4-Trichlorobenzene
 Concen: 20.435 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

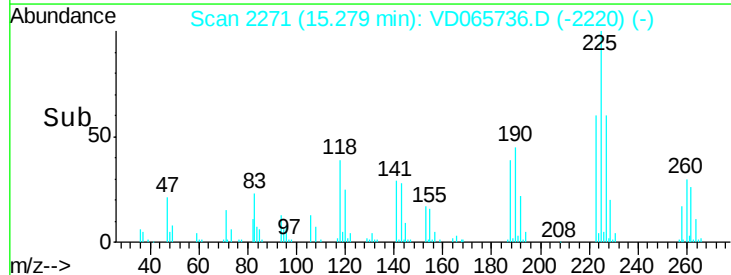
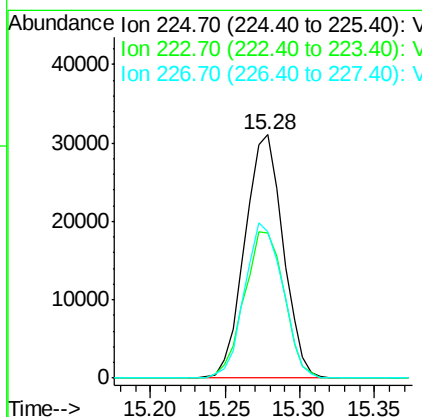
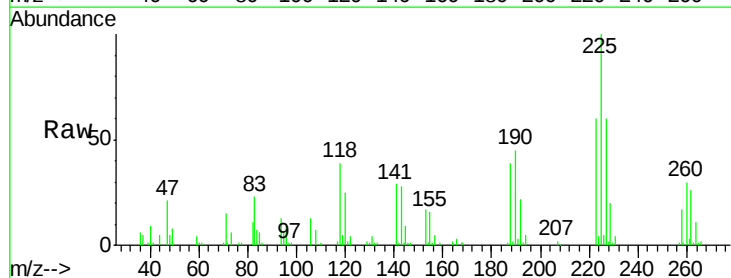
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

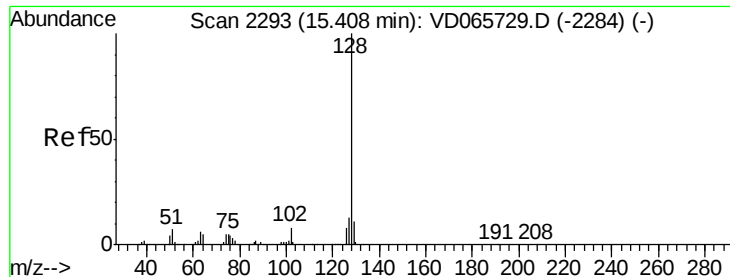
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.0	141.0
145	30.2	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 20.771 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065736.D
 Acq: 14 May 2020 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.7	32.2	96.6

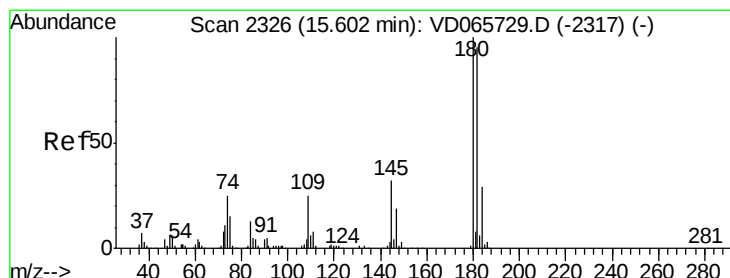
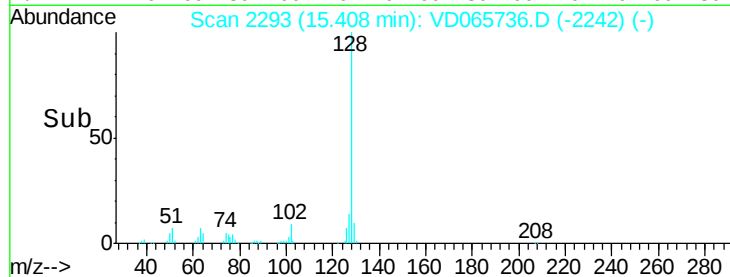
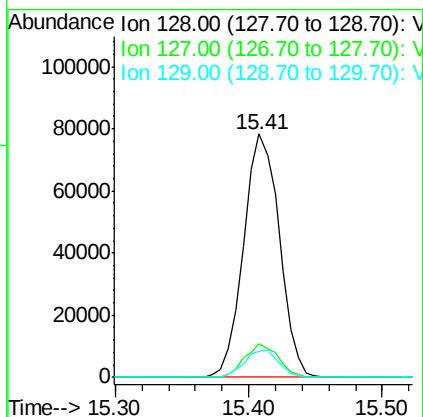
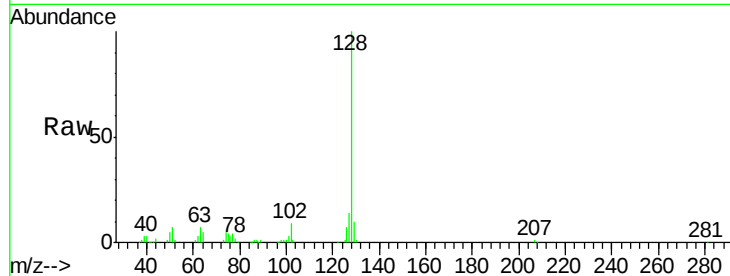




#95
Naphthalene
Concen: 19.701 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion:128 Resp: 144760
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.429 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065736.D
Acq: 14 May 2020 12:05

Tgt Ion:180 Resp: 76947
Ion Ratio Lower Upper
180 100
182 95.9 47.5 142.6
145 30.7 15.9 47.6

