

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051320\
 Data File : VD065729.D
 Acq On : 13 May 2020 13:21
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: May 13 14:08:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 13:42:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	389122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	510278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246775	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	150594	40.37	ug/l	0.00
Spiked Amount			Recovery	=	80.74%	
35) Dibromofluoromethane	7.92	113	161345	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
50) Toluene-d8	10.34	98	604058	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	
62) 4-Bromofluorobenzene	12.64	95	202891	42.68	ug/l	0.00
Spiked Amount			Recovery	=	85.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	125442	42.201	ug/l	100
3) Chloromethane	2.21	50	173079	45.410	ug/l	100
4) Vinyl Chloride	2.35	62	189599	48.745	ug/l	100
5) Bromomethane	2.77	94	121513	49.084	ug/l	100
6) Chloroethane	2.92	64	124753	49.551	ug/l	100
7) Trichlorofluoromethane	3.27	101	267582	43.917	ug/l	100
8) Diethyl Ether	3.71	74	77977	41.225	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	162458	43.942	ug/l	100
10) Methyl Iodide	4.30	142	178530	48.866	ug/l	100
11) Tert butyl alcohol	5.22	59	59581	176.557	ug/l	100
12) 1,1-Dichloroethene	4.07	96	156544	43.167	ug/l	100
13) Acrolein	3.92	56	40408	135.113	ug/l	100
14) Allyl chloride	4.71	41	266044	37.490	ug/l	100
15) Acrylonitrile	5.43	53	165902	188.886	ug/l	100
16) Acetone	4.16	43	156132	198.490	ug/l	100
17) Carbon Disulfide	4.41	76	480898	40.753	ug/l	100
18) Methyl Acetate	4.72	43	71389	36.289	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	357133	41.155	ug/l	100
20) Methylene Chloride	4.97	84	163432	40.111	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	176311	42.399	ug/l	100
22) Diisopropyl ether	6.37	45	506988	38.483	ug/l	100
23) Vinyl Acetate	6.30	43	1511077	190.558	ug/l	100
24) 1,1-Dichloroethane	6.27	63	295635	40.486	ug/l	100
25) 2-Butanone	7.21	43	217869	186.167	ug/l	100
26) 2,2-Dichloropropane	7.21	77	272078	41.169	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	191950	42.667	ug/l	100
28) Bromochloromethane	7.55	49	130080	42.677	ug/l	100
29) Tetrahydrofuran	7.57	42	139267	184.246	ug/l	100
30) Chloroform	7.71	83	296261	41.902	ug/l	100
31) Cyclohexane	7.98	56	283020	37.522	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	282143	42.879	ug/l	100
36) 1,1-Dichloropropene	8.11	75	241933	43.205	ug/l	100
37) Ethyl Acetate	7.29	43	98861	37.449	ug/l	100
38) Carbon Tetrachloride	8.10	117	253705	45.225	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	296120	42.182	ug/l	100
40) Benzene	8.36	78	663562	43.333	ug/l	100
41) Methacrylonitrile	7.53	41	55493	35.978	ug/l	100
42) 1,2-Dichloroethane	8.43	62	187065	42.571	ug/l	100
43) Isopropyl Acetate	8.46	43	200883	38.033	ug/l	100
44) Trichloroethene	9.11	130	199253	46.618	ug/l	100
45) 1,2-Dichloropropane	9.39	63	163475	41.610	ug/l	100
46) Dibromomethane	9.48	93	87707	44.101	ug/l	100
47) Bromodichloromethane	9.67	83	231047	43.440	ug/l	100
48) Methyl methacrylate	9.46	41	99783	37.811	ug/l	100
49) 1,4-Dioxane	9.46	88	21068	871.971	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	491678	193.077	ug/l	100
52) Toluene	10.41	92	435415	44.715	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	226235	42.290	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	273858	43.221	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	118878	44.354	ug/l	100
56) Ethyl methacrylate	10.67	69	158242	41.348	ug/l	100
57) 1,3-Dichloropropane	10.95	76	207504	43.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	389496	219.929	ug/l	100
59) 2-Hexanone	10.99	43	332936	190.826	ug/l	100
60) Dibromochloromethane	11.14	129	164413	45.301	ug/l	100
61) 1,2-Dibromoethane	11.25	107	119434	44.280	ug/l	100
64) Tetrachloroethene	10.88	164	165054	45.944	ug/l	100
65) Chlorobenzene	11.67	112	457991	45.173	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	172307	45.656	ug/l	100
67) Ethyl Benzene	11.75	91	819293	43.601	ug/l	100
68) m/p-Xylenes	11.85	106	626266	89.051	ug/l	100
69) o-Xylene	12.18	106	294708	44.891	ug/l	100
70) Styrene	12.20	104	501359	44.519	ug/l	100
71) Bromoform	12.37	173	98029	46.101	ug/l	# 100
73) Isopropylbenzene	12.48	105	785570	42.944	ug/l	100
74) N-amyl acetate	12.29	43	190097	37.422	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	126546	41.589	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	96020m	46.901	ug/l	
77) Bromobenzene	12.77	156	192721	45.581	ug/l	100
78) n-propylbenzene	12.83	91	921493	42.906	ug/l	100
79) 2-Chlorotoluene	12.91	91	511345	42.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	643985	42.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	46092	40.540	ug/l	100
82) 4-Chlorotoluene	13.01	91	535218	42.145	ug/l	100
83) tert-Butylbenzene	13.23	119	573169	44.618	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	640834	42.869	ug/l	100
85) sec-Butylbenzene	13.41	105	771410	43.125	ug/l	100
86) p-Isopropyltoluene	13.52	119	717642	43.876	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	354604	44.723	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	355257	45.326	ug/l	100
89) n-Butylbenzene	13.85	91	667093	42.342	ug/l	100
90) Hexachloroethane	14.12	117	140559	43.286	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	306956	44.883	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20198	39.878	ug/l	100

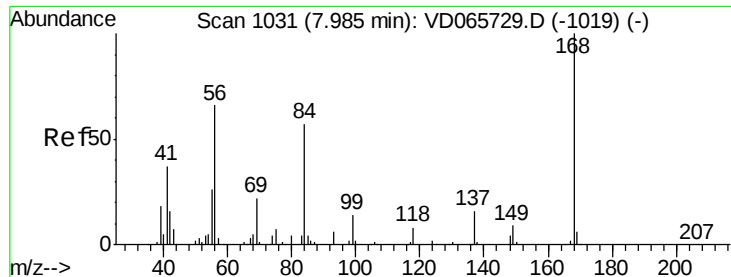
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	233655	45.543	ug/l	100
94) Hexachlorobutadiene	15.28	225	137981	46.251	ug/l	100
95) Naphthalene	15.41	128	391719	43.784	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	198385	45.466	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

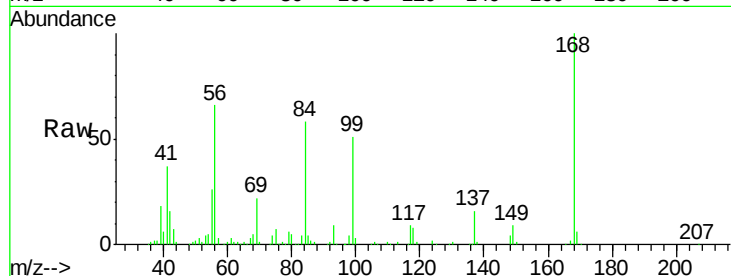
VSTDICCC050

Tot Ion:168 Resp: 389122

Ion Ratio Lower Upper

168 100

99 50.7 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

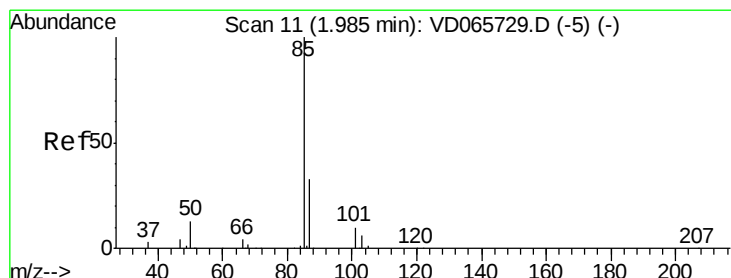
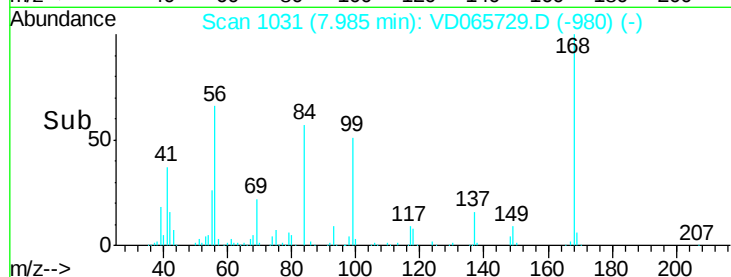
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.201 ug/l

RT: 1.98 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065729.D

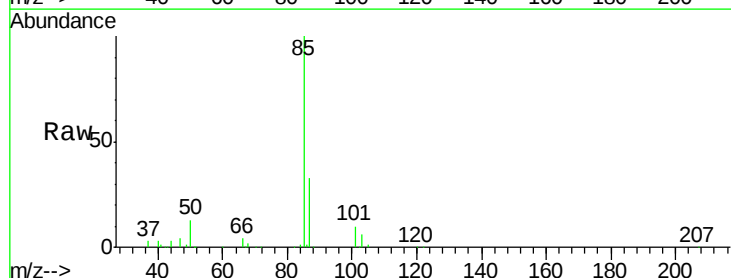
Acq: 13 May 2020 13:21

Tgt Ion: 85 Resp: 125442

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

100000

80000

60000

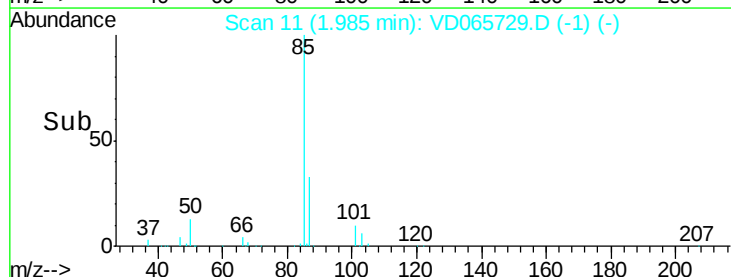
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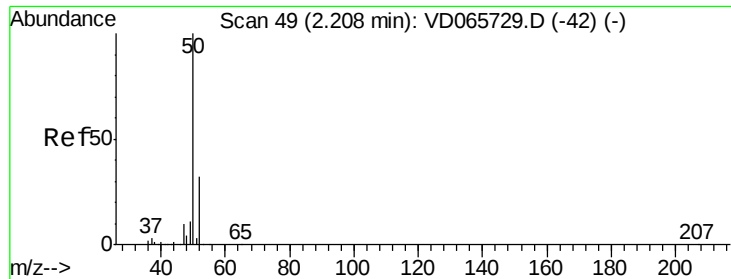
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 45.410 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

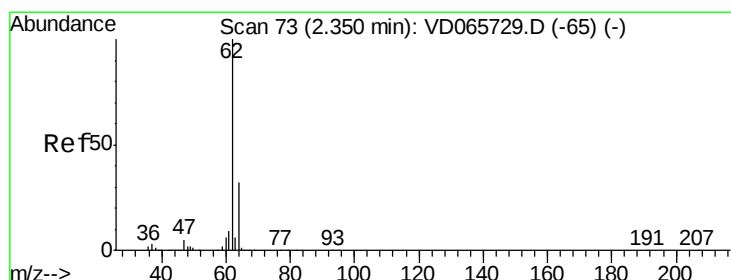
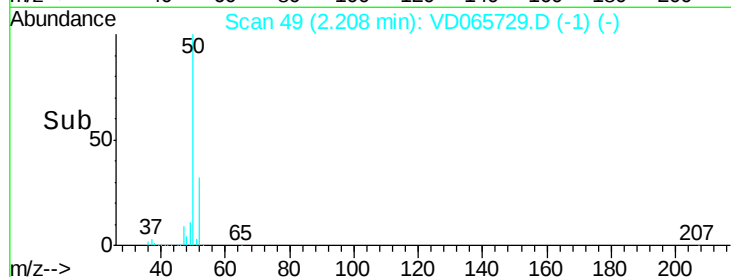
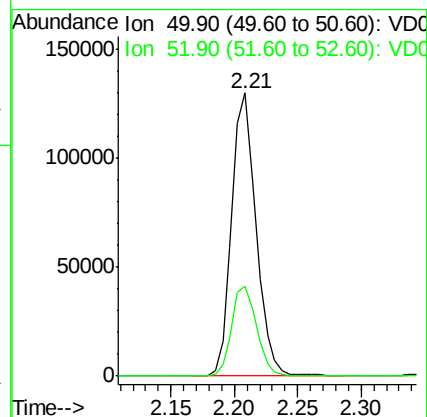
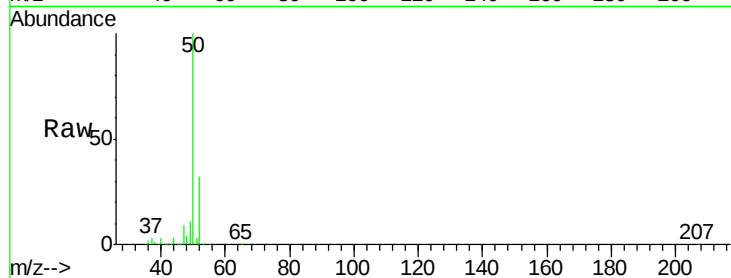
VSTDICCC050

Tot Ion: 50 Resp: 173079

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



#4

Vinyl Chloride

Concen: 48.745 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065729.D

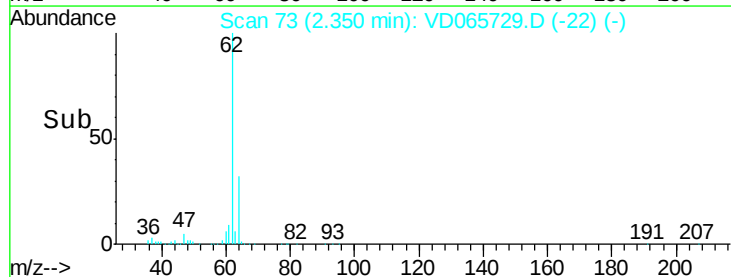
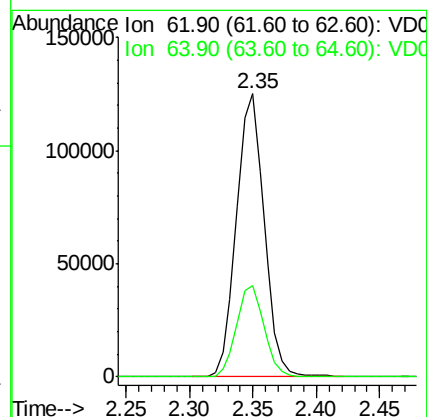
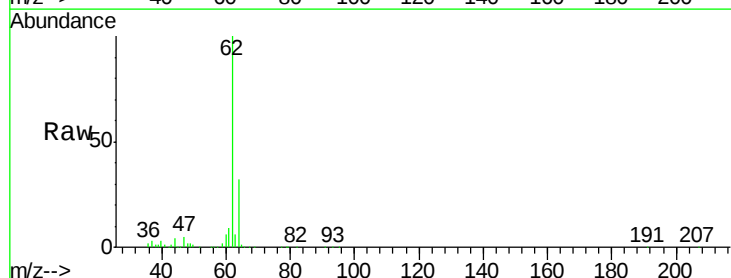
Acq: 13 May 2020 13:21

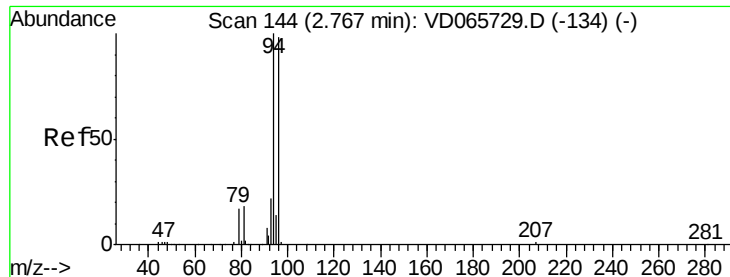
Tgt Ion: 62 Resp: 189599

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6





#5

Bromomethane

Concen: 49.084 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

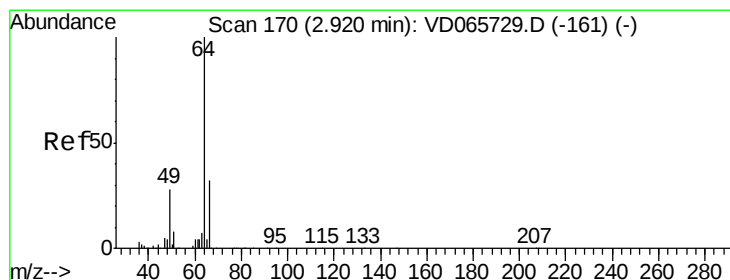
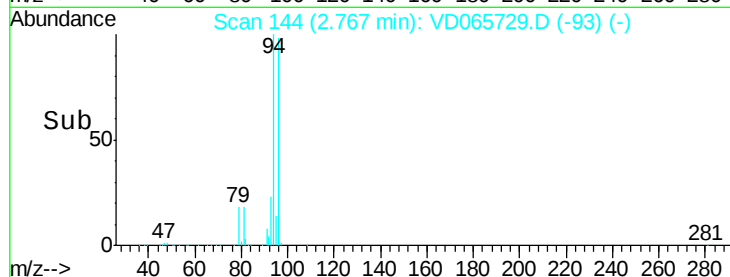
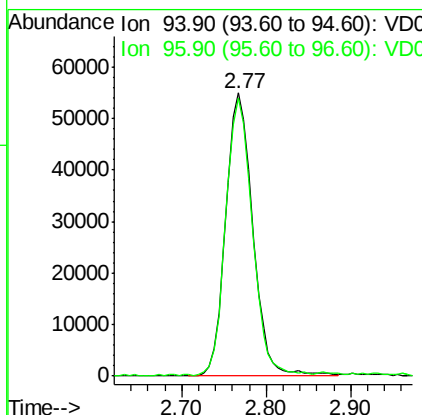
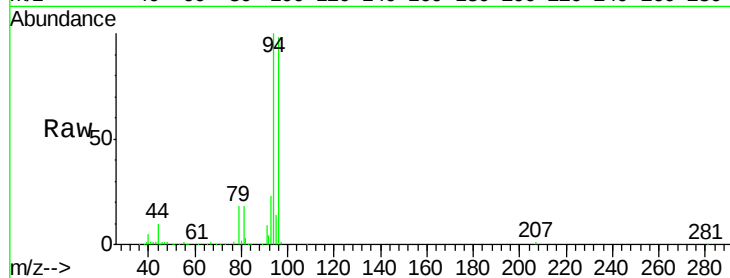
VSTDICCC050

Tot Ion: 94 Resp: 121513

Ion Ratio Lower Upper

94 100

96 97.6 78.1 117.1



#6

Chloroethane

Concen: 49.551 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065729.D

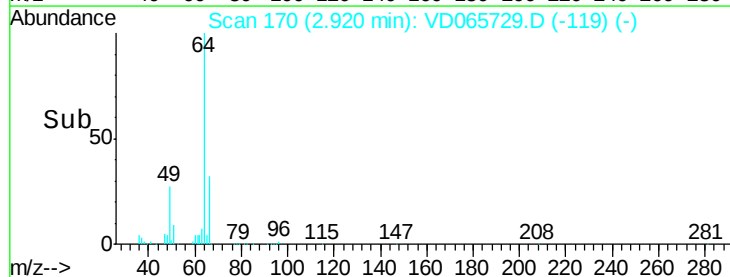
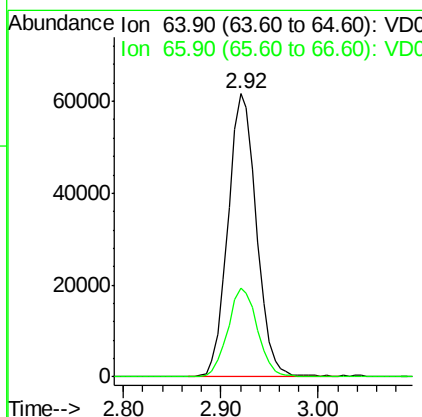
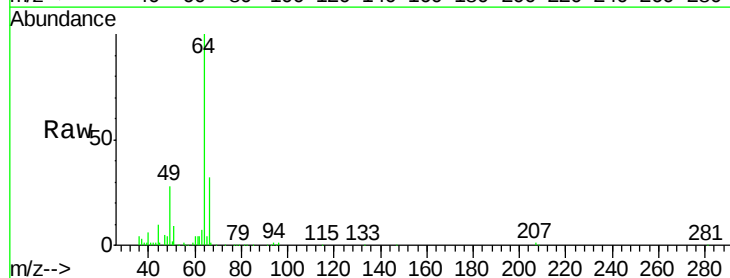
Acq: 13 May 2020 13:21

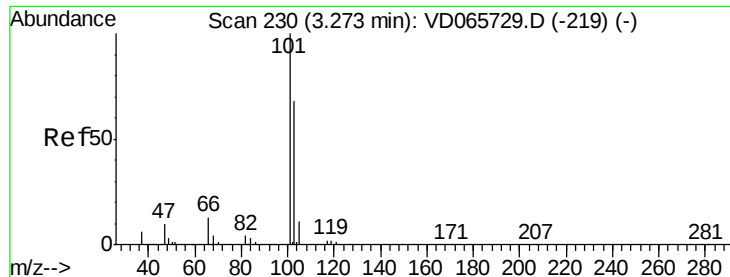
Tgt Ion: 64 Resp: 124753

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9



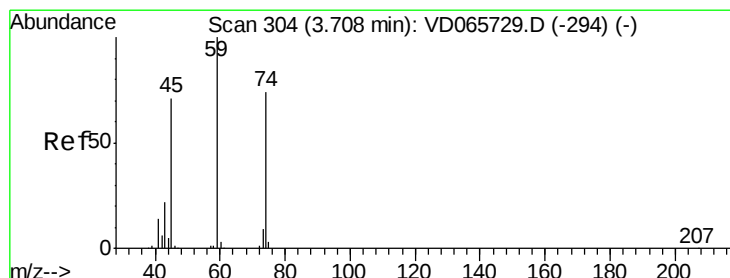
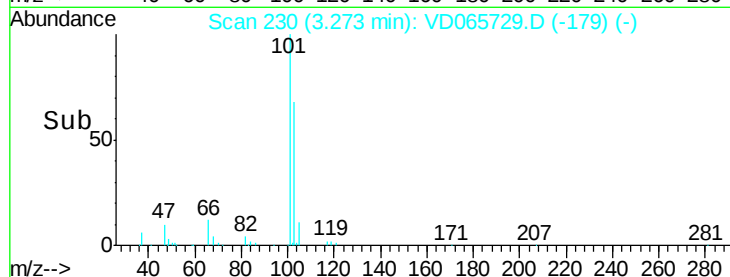
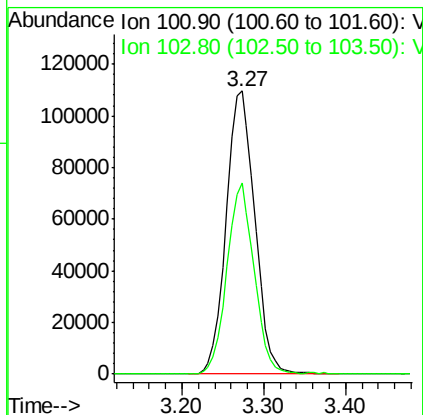
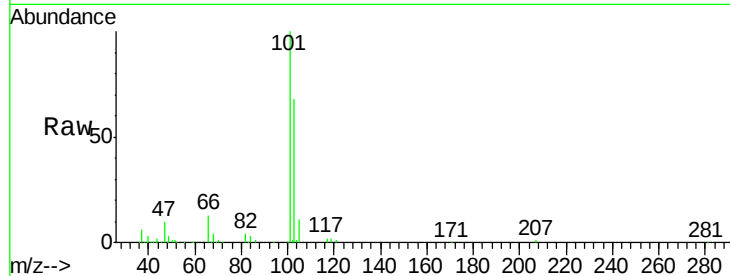


#7

Trichlorofluoromethane
 Concen: 43.917 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

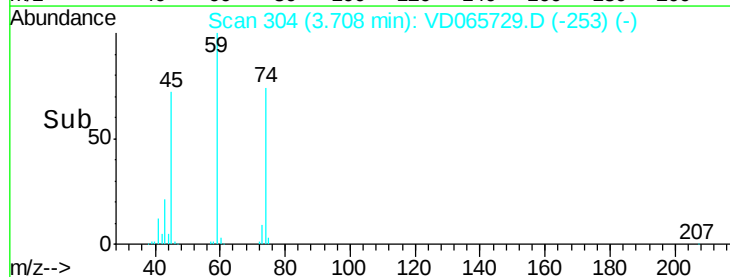
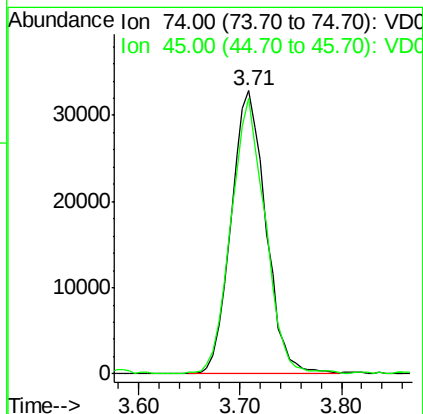
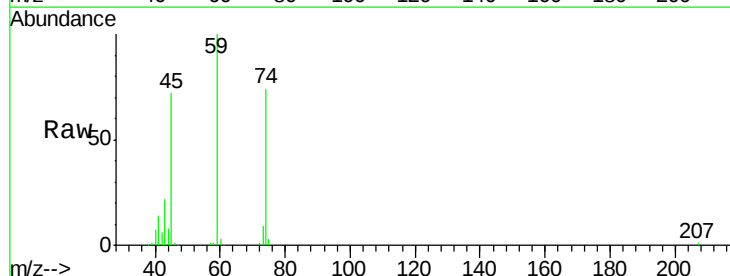
Tot Ion:101 Resp: 267582
 Ion Ratio Lower Upper
 101 100
 103 67.6 54.1 81.1

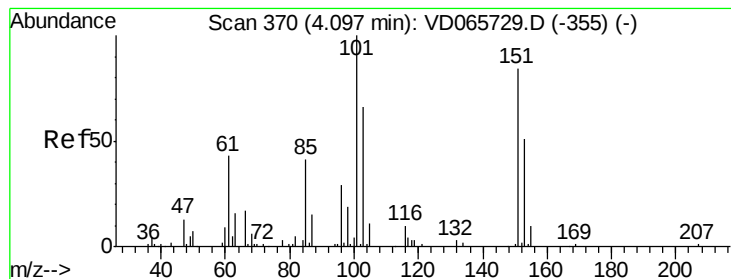


#8

Diethyl Ether
 Concen: 41.225 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Tgt Ion: 74 Resp: 77977
 Ion Ratio Lower Upper
 74 100
 45 96.2 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.942 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

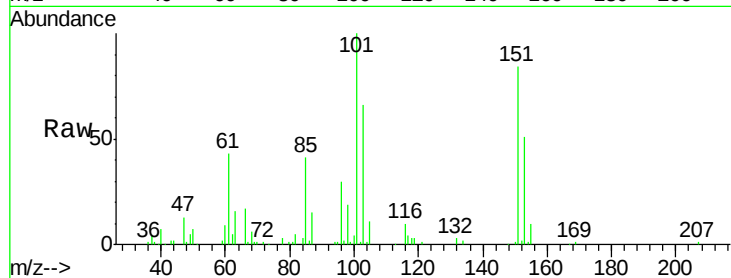
Tot Ion:101 Resp: 162458

Ion Ratio Lower Upper

101 100

85 42.6 34.1 51.1

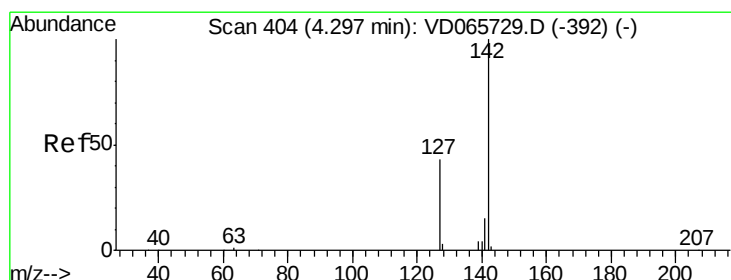
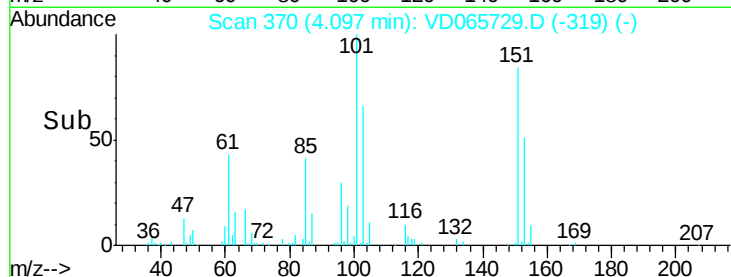
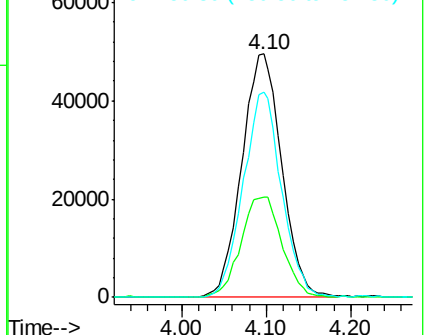
151 81.4 65.1 97.7



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: 48.866 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

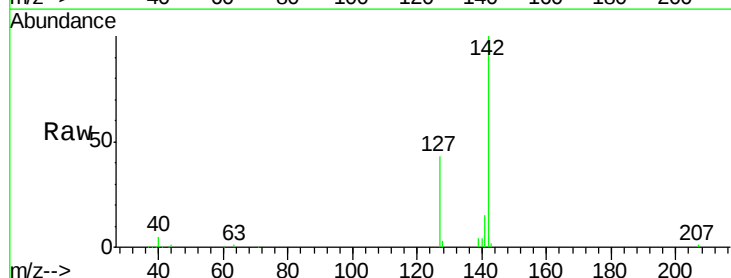
Tgt Ion:142 Resp: 178530

Ion Ratio Lower Upper

142 100

127 42.8 34.2 51.4

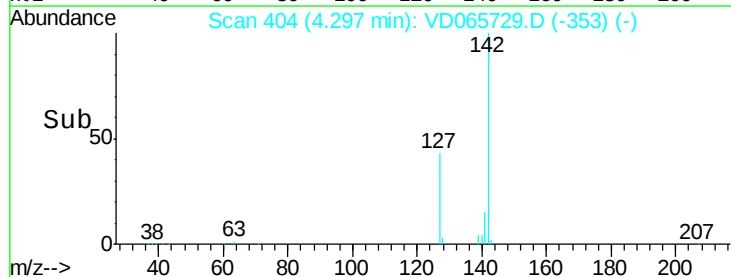
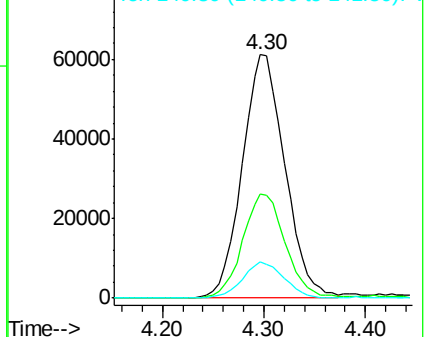
141 14.6 11.7 17.5

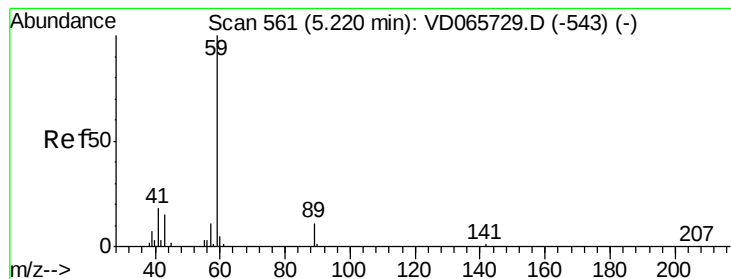


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 176.557 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

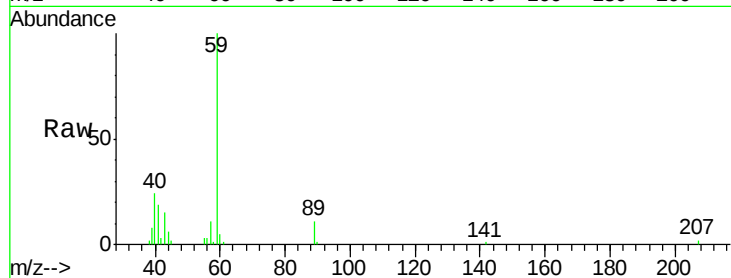
VSTDICCC050

Tot Ion: 59 Resp: 59581

Ion Ratio Lower Upper

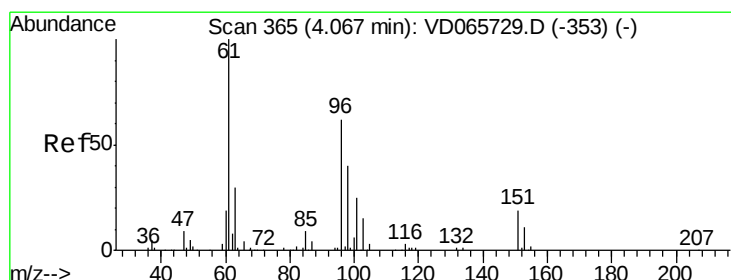
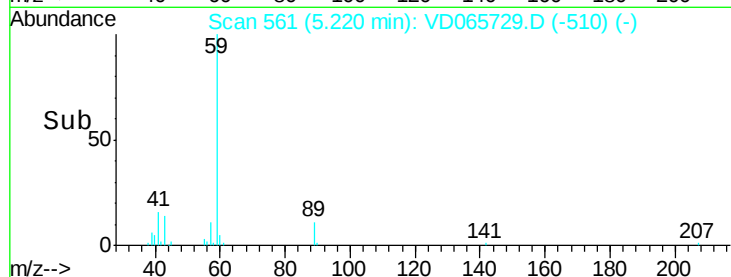
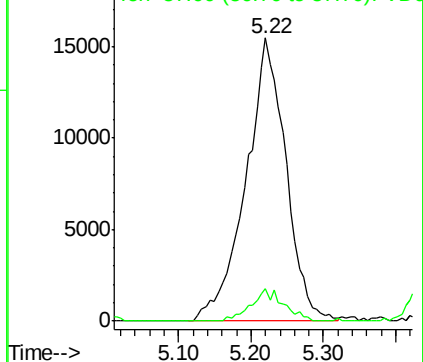
59 100

57 9.2 7.4 11.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 43.167 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

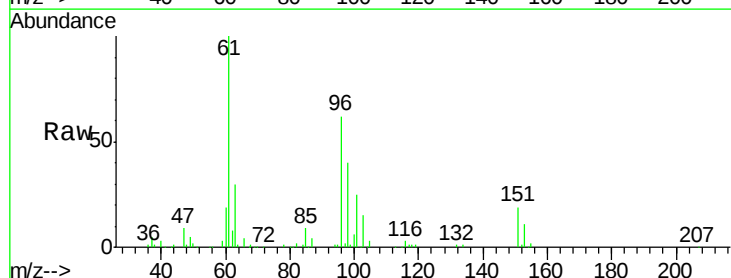
Tgt Ion: 96 Resp: 156544

Ion Ratio Lower Upper

96 100

61 162.5 130.0 195.0

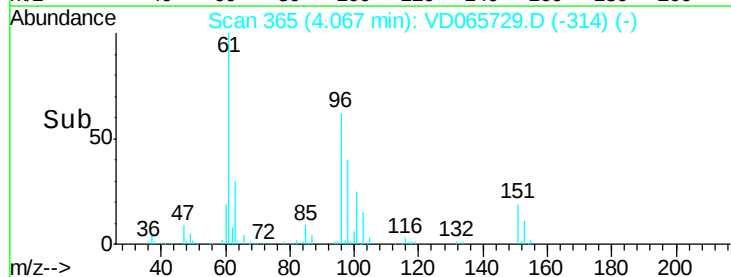
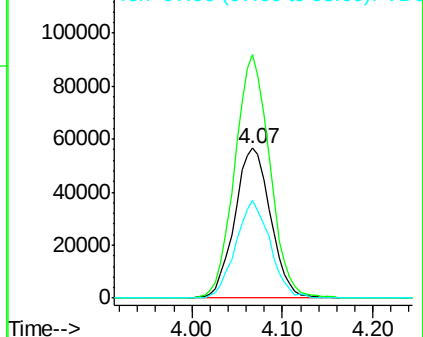
98 65.4 52.3 78.5

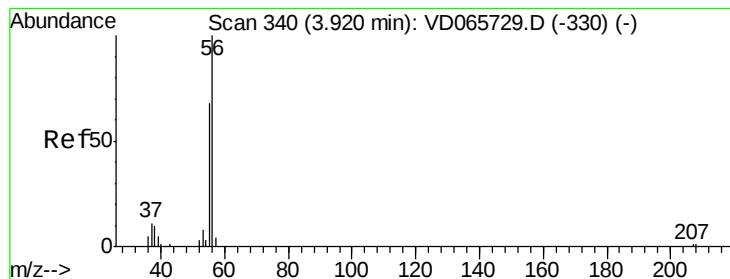


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 135.113 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

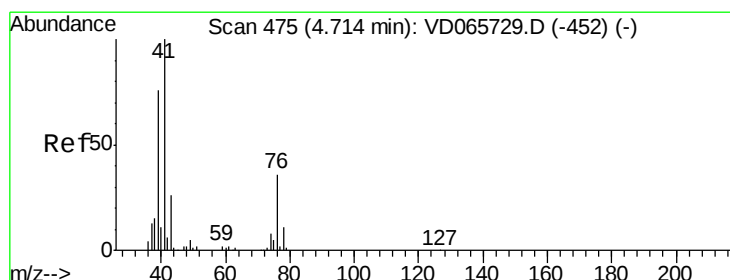
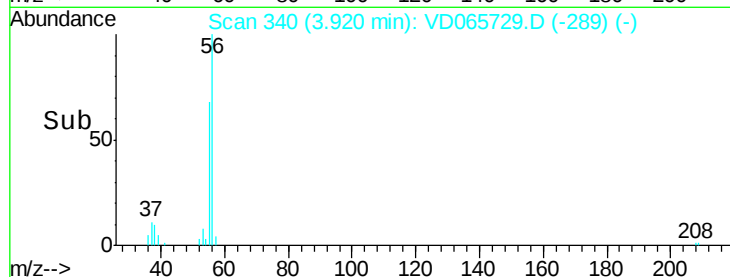
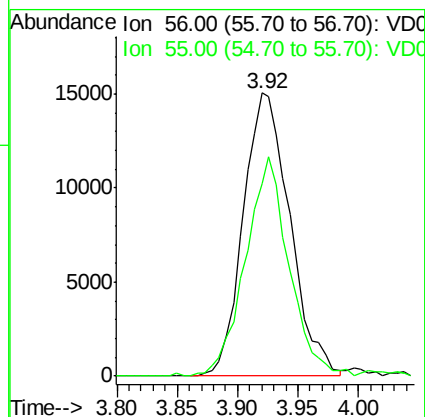
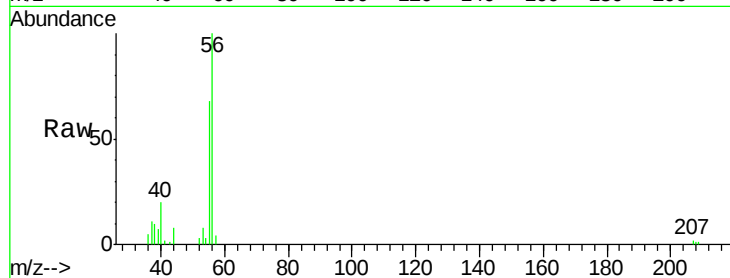
VSTDICCC050

Tot Ion: 56 Resp: 40408

Ion Ratio Lower Upper

56 100

55 72.3 57.8 86.8



#14

Allyl chloride

Concen: 37.490 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

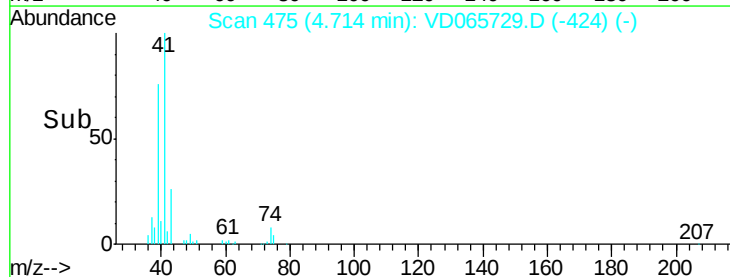
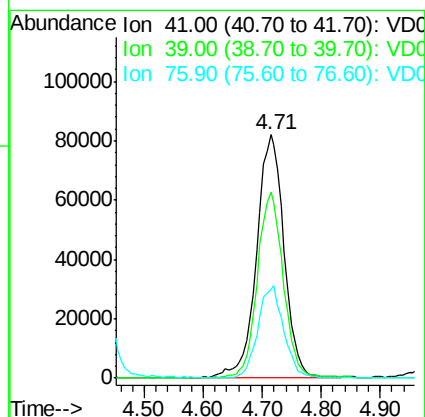
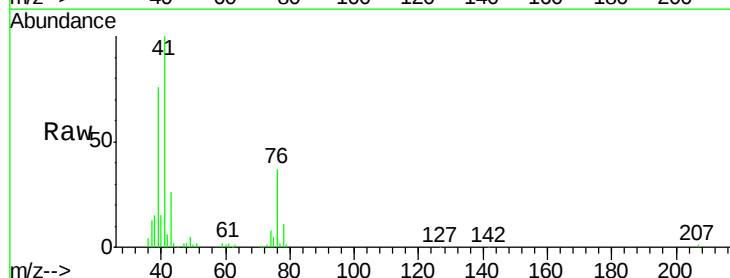
Tgt Ion: 41 Resp: 266044

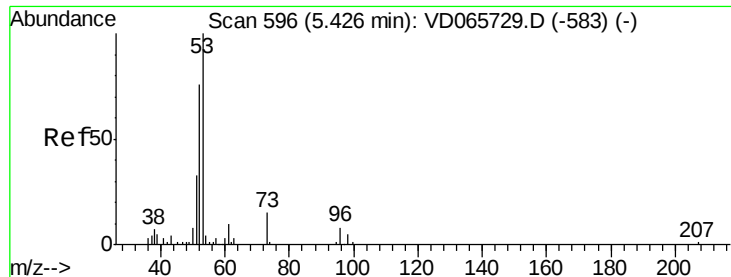
Ion Ratio Lower Upper

41 100

39 71.8 57.4 86.2

76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 188.886 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

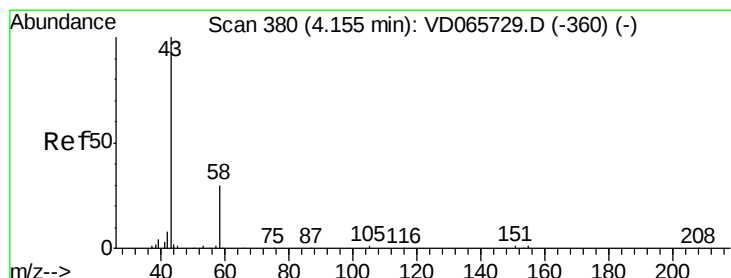
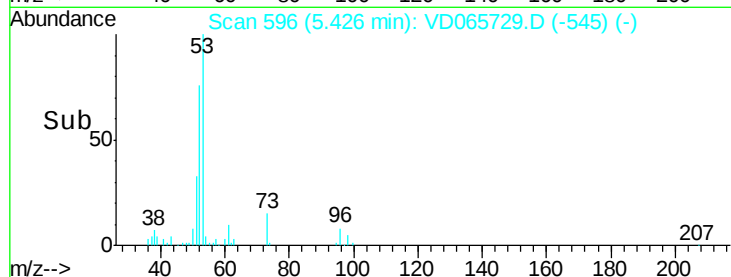
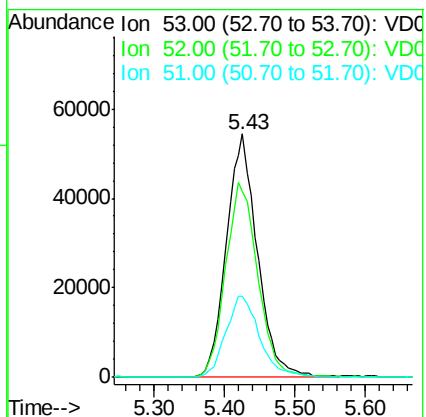
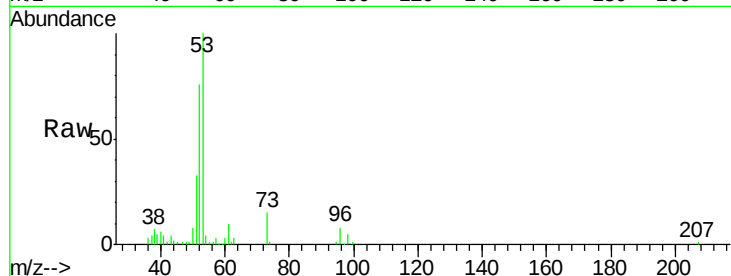
Tot Ion: 53 Resp: 165902

Ion Ratio Lower Upper

53 100

52 82.9 66.3 99.5

51 36.5 29.2 43.8



#16

Acetone

Concen: 198.490 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065729.D

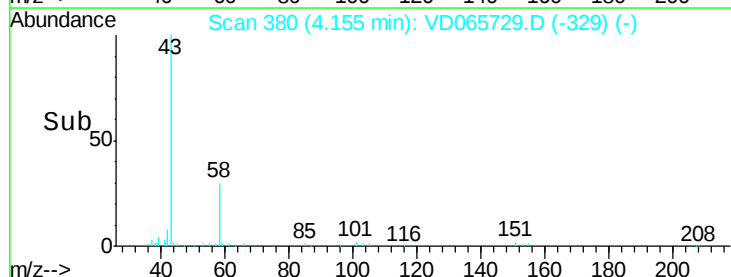
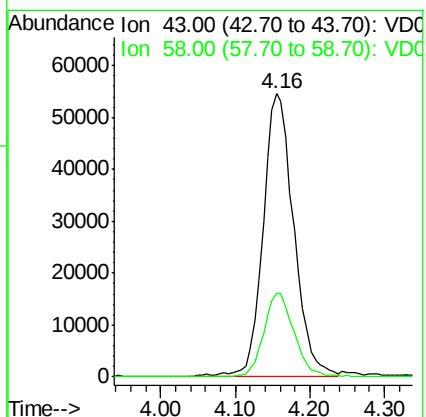
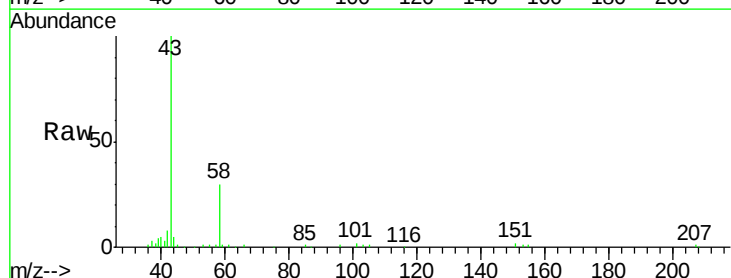
Acq: 13 May 2020 13:21

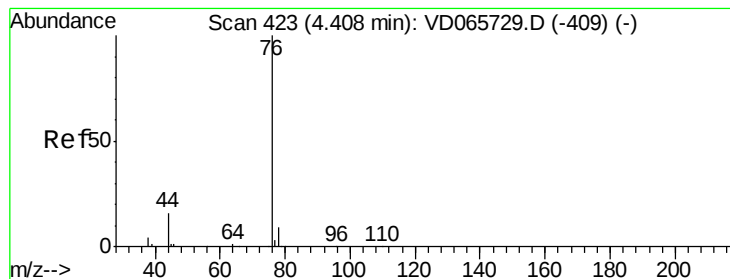
Tgt Ion: 43 Resp: 156132

Ion Ratio Lower Upper

43 100

58 29.6 23.7 35.5





#17

Carbon Disulfide

Concen: 40.753 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

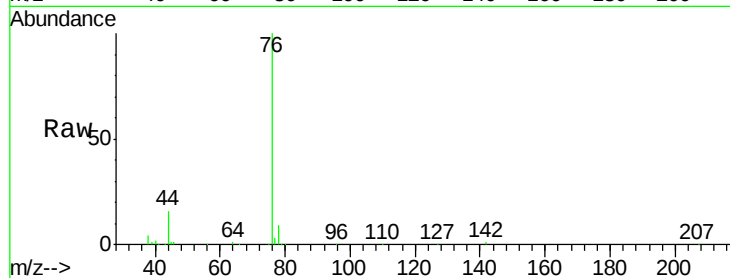
VSTDICCC050

Tot Ion: 76 Resp: 480898

Ion Ratio Lower Upper

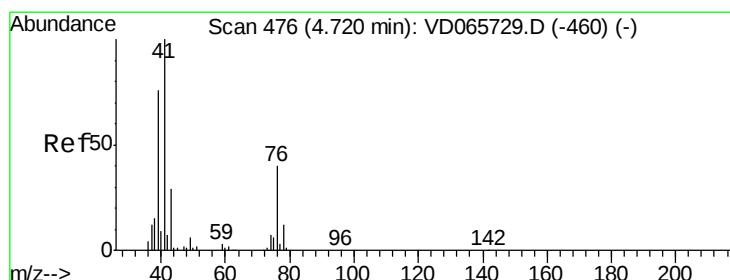
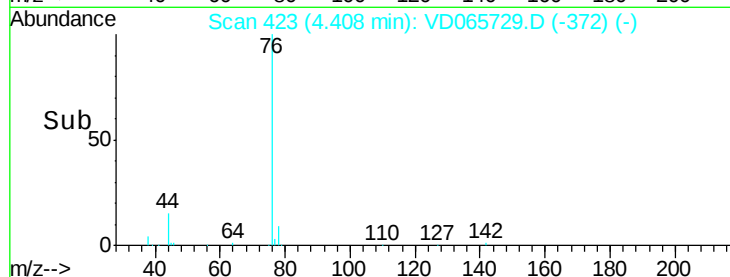
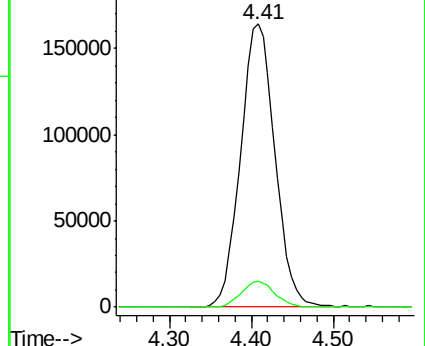
76 100

78 9.2 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: 36.289 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065729.D

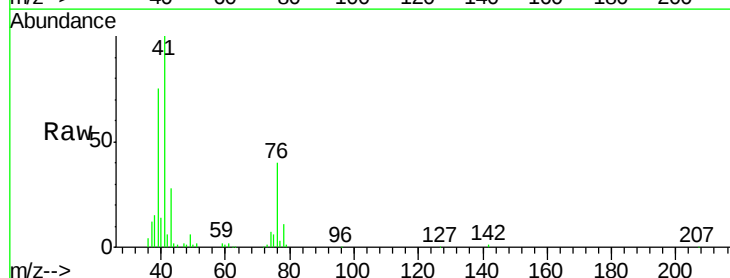
Acq: 13 May 2020 13:21

Tgt Ion: 43 Resp: 71389

Ion Ratio Lower Upper

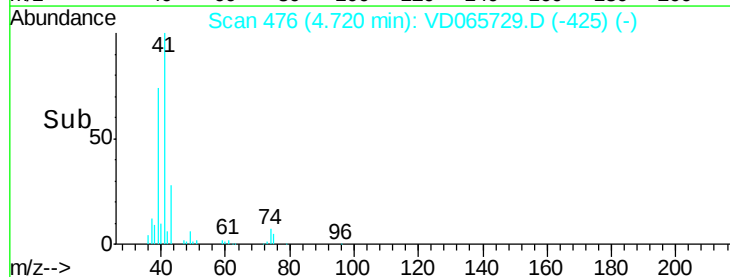
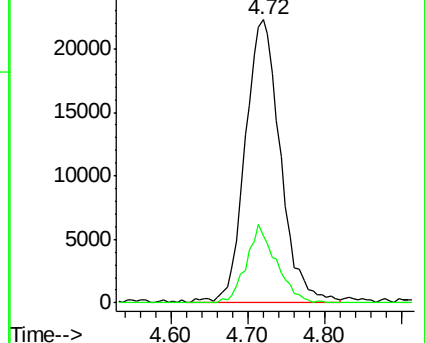
43 100

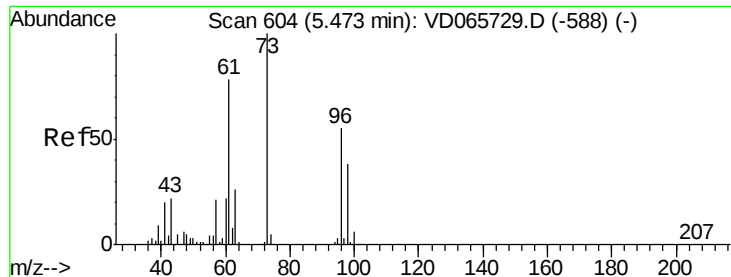
74 23.2 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

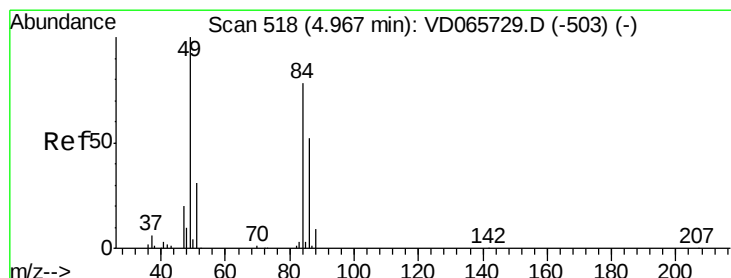
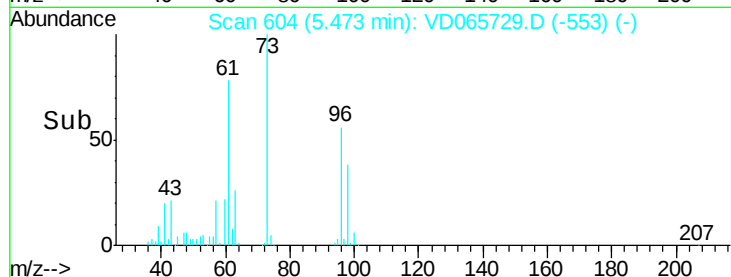
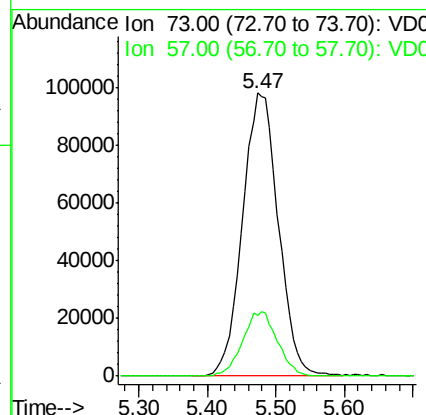
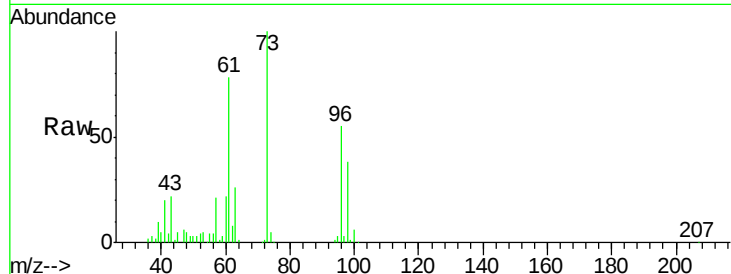




#19
Methyl tert-butyl Ether
Concen: 41.155 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

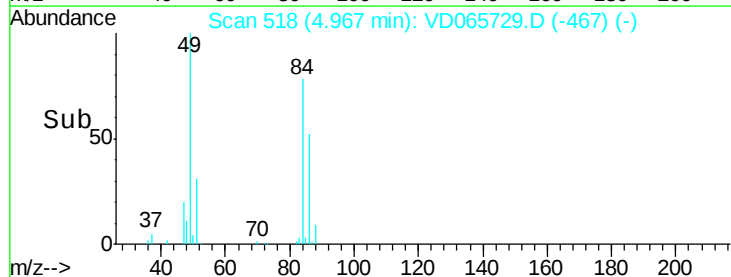
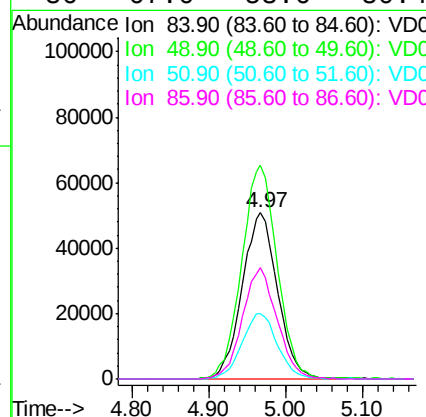
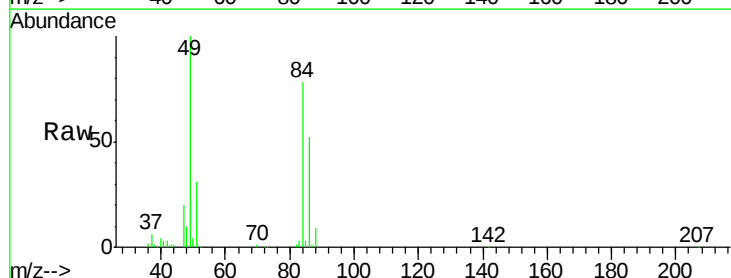
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

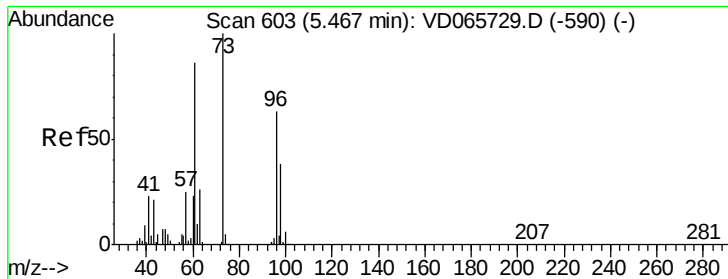
Tot Ion: 73 Resp: 357133
Ion Ratio Lower Upper
73 100
57 21.2 17.0 25.4



#20
Methylene Chloride
Concen: 40.111 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion: 84 Resp: 163432
Ion Ratio Lower Upper
84 100
49 128.6 102.9 154.3
51 39.4 31.5 47.3
86 67.0 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 42.399 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

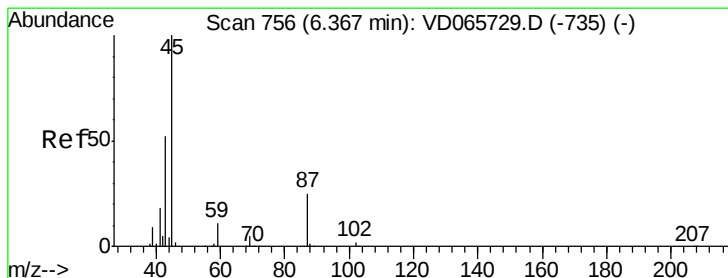
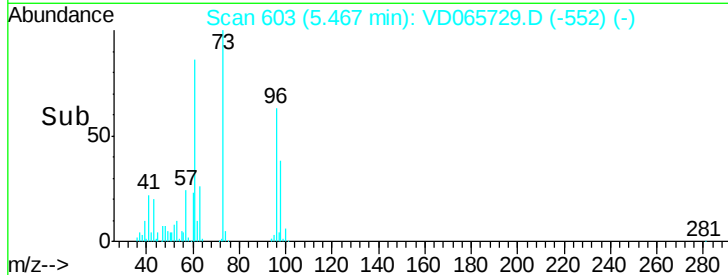
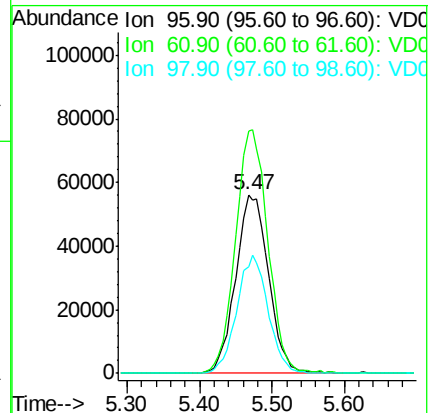
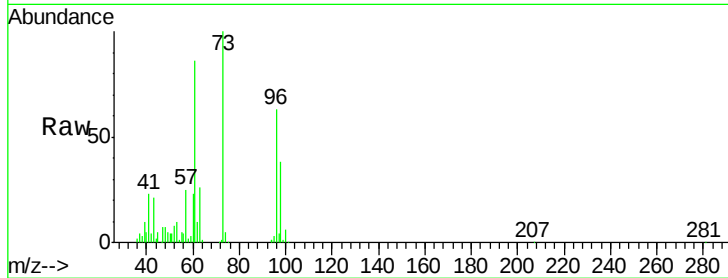
Tot Ion: 96 Resp: 176311

Ion Ratio Lower Upper

96 100

61 135.8 108.6 163.0

98 59.9 47.9 71.9



#22

Diisopropyl ether

Concen: 38.483 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Tgt Ion: 45 Resp: 506988

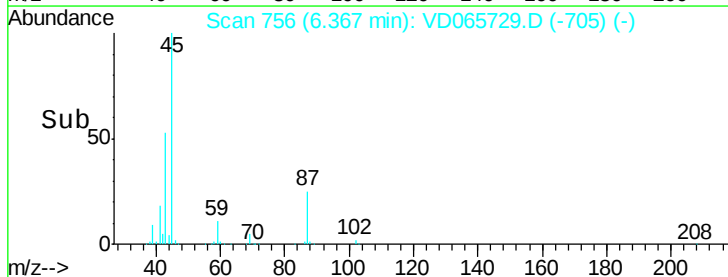
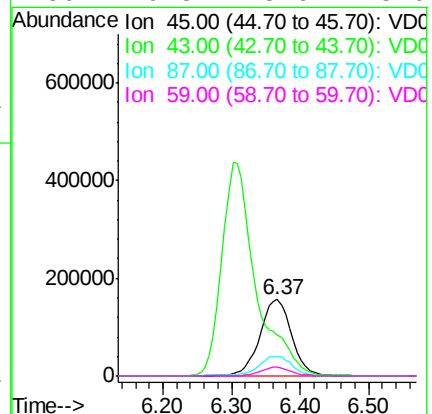
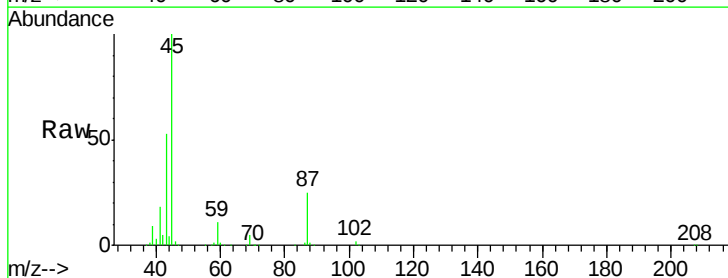
Ion Ratio Lower Upper

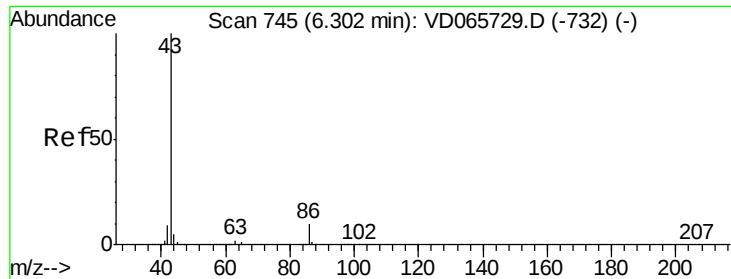
45 100

43 52.2 41.8 62.6

87 25.1 20.1 30.1

59 10.8 8.6 13.0

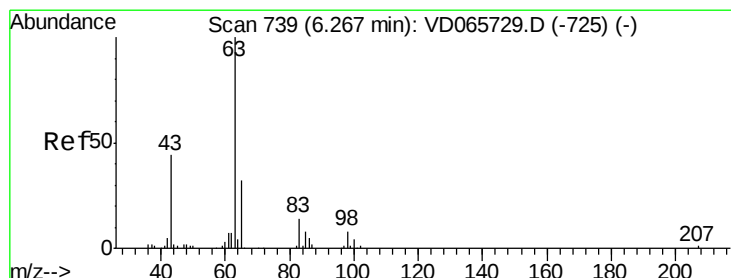
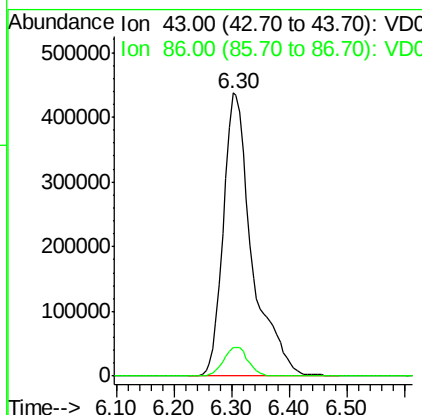
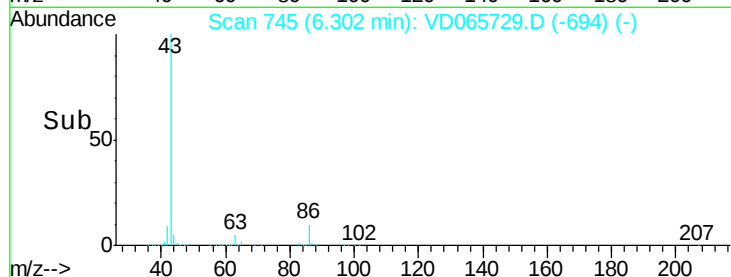
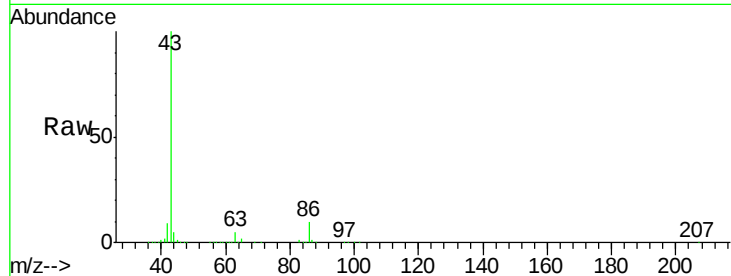




#23
 Vinyl Acetate
 Concen: 190.558 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

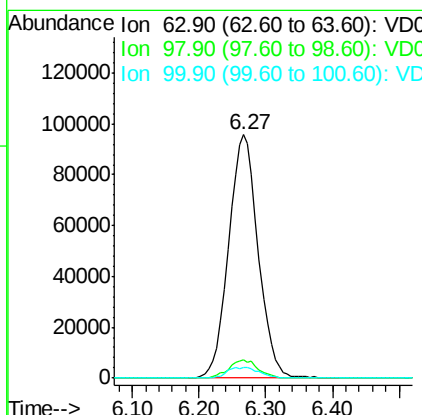
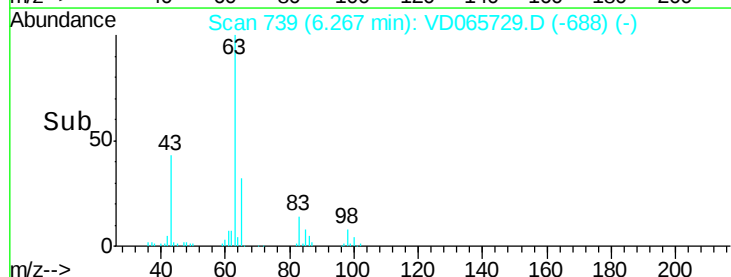
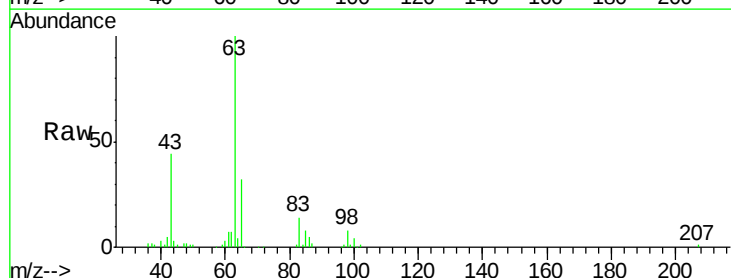
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

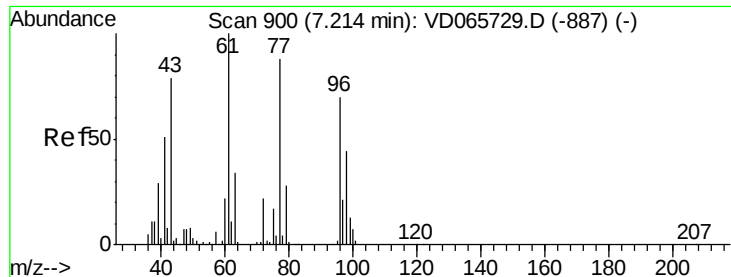
Tot Ion: 43 Resp: 1511077
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 40.486 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Tgt Ion: 63 Resp: 295635
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.5
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 186.167 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

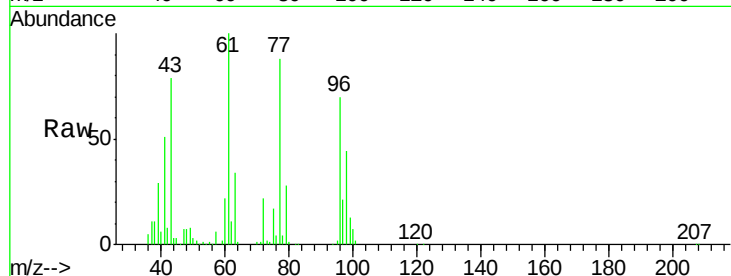
VSTDICCC050

Tot Ion: 43 Resp: 217869

Ion Ratio Lower Upper

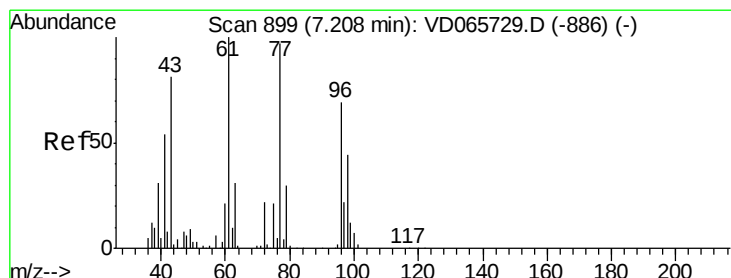
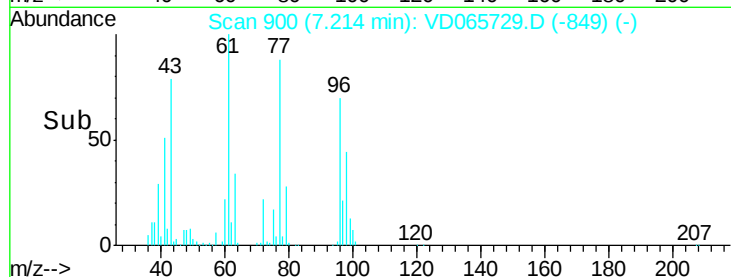
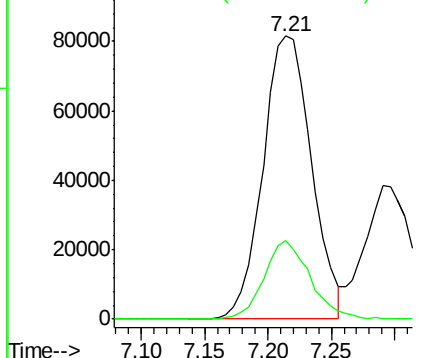
43 100

72 27.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 41.169 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065729.D

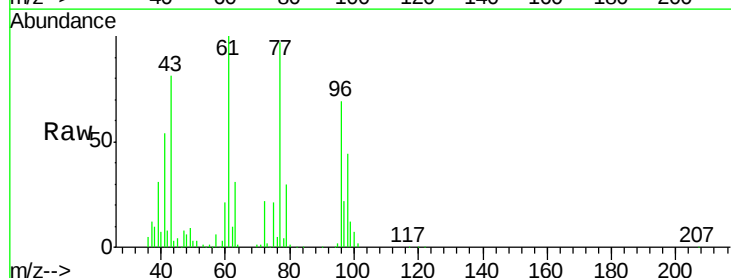
Acq: 13 May 2020 13:21

Tgt Ion: 77 Resp: 272078

Ion Ratio Lower Upper

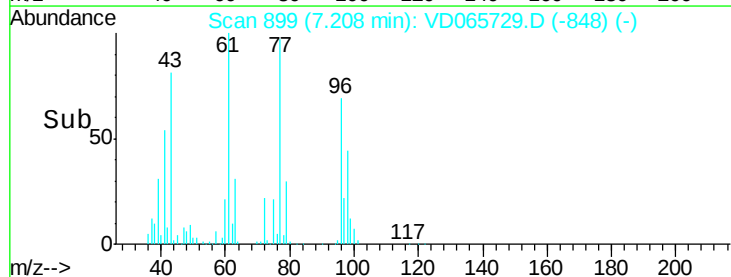
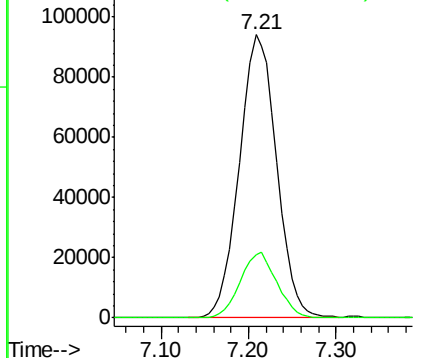
77 100

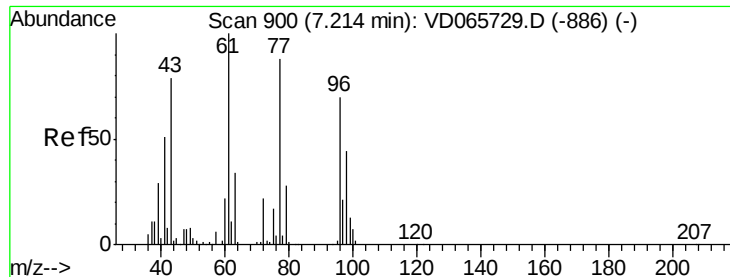
97 22.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 42.667 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

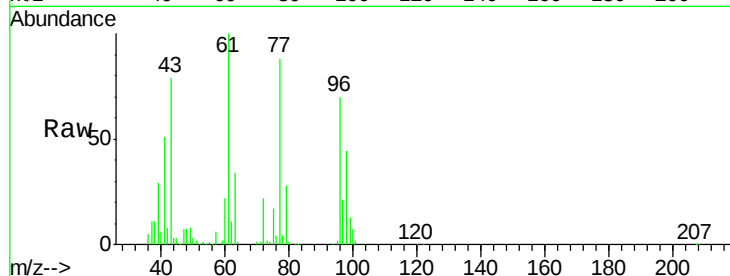
Tot Ion: 96 Resp: 191950

Ion Ratio Lower Upper

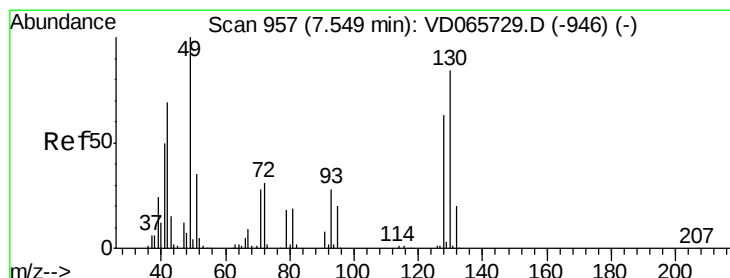
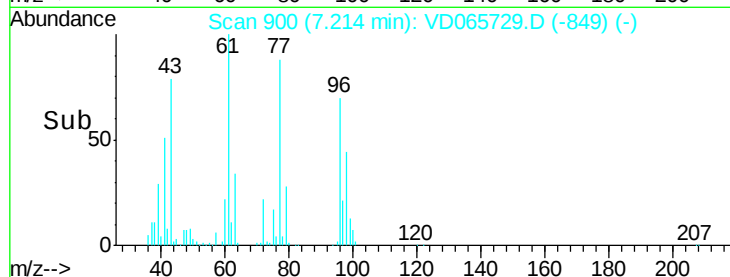
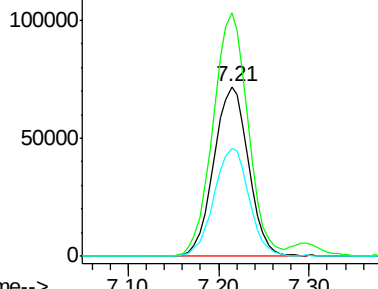
96 100

61 144.0 0.0 288.0

98 63.9 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: 42.677 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

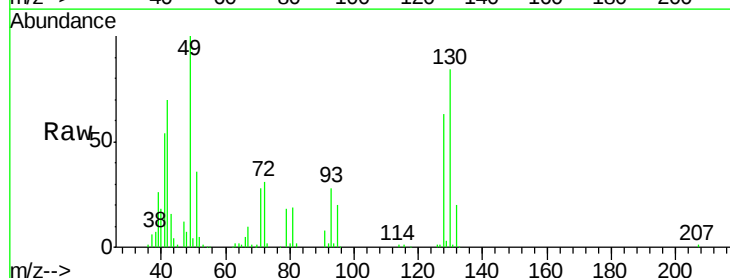
Tgt Ion: 49 Resp: 130080

Ion Ratio Lower Upper

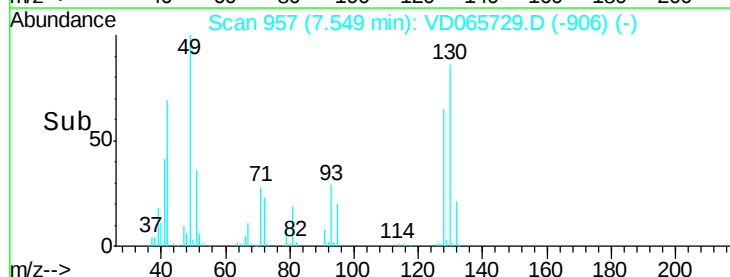
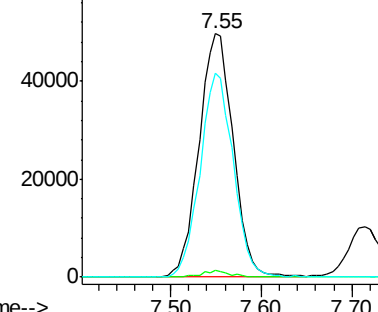
49 100

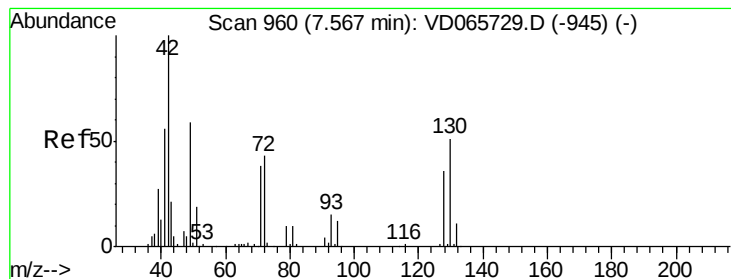
129 2.3 0.0 4.6

130 81.5 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: 184.246 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

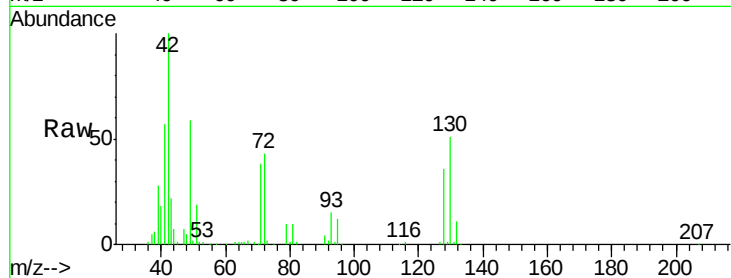
Tot Ion: 42 Resp: 139267

Ion Ratio Lower Upper

42 100

72 41.9 33.5 50.3

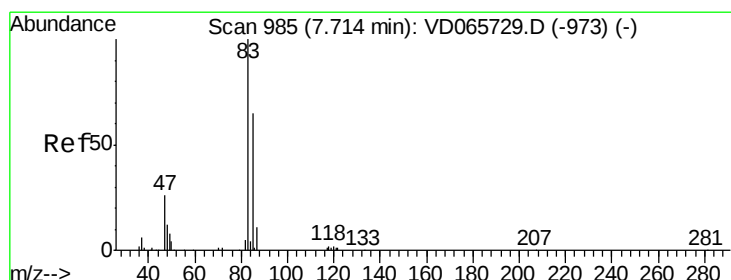
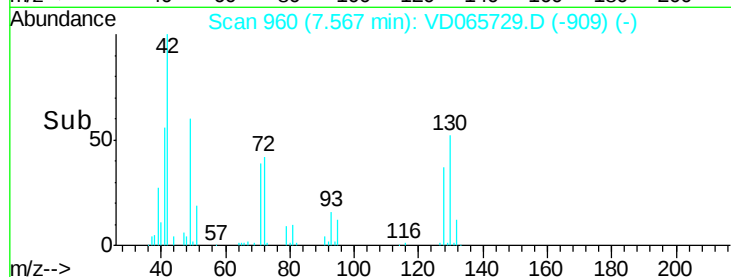
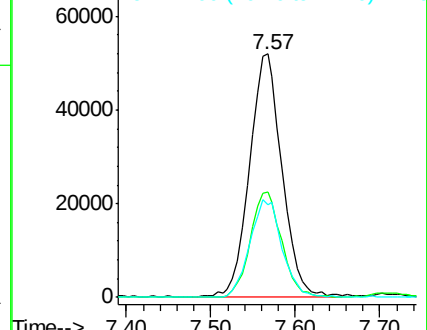
71 39.7 31.8 47.6



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: 41.902 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065729.D

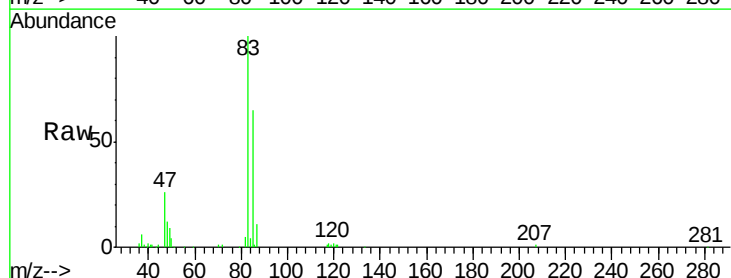
Acq: 13 May 2020 13:21

Tgt Ion: 83 Resp: 296261

Ion Ratio Lower Upper

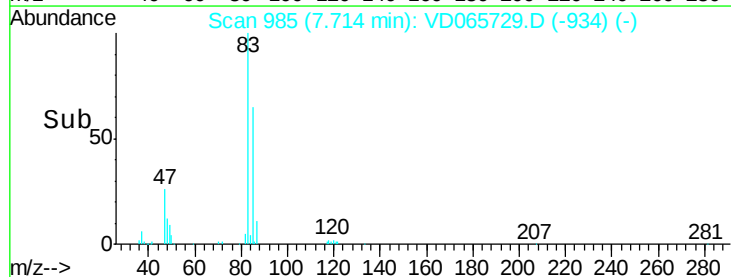
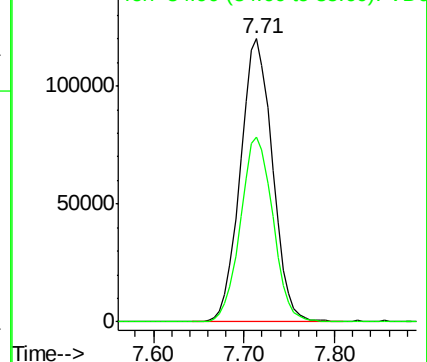
83 100

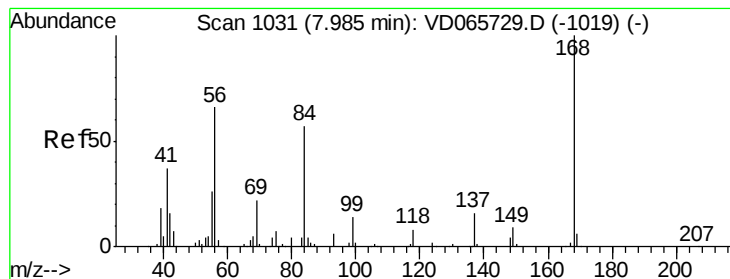
85 65.2 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 37.522 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

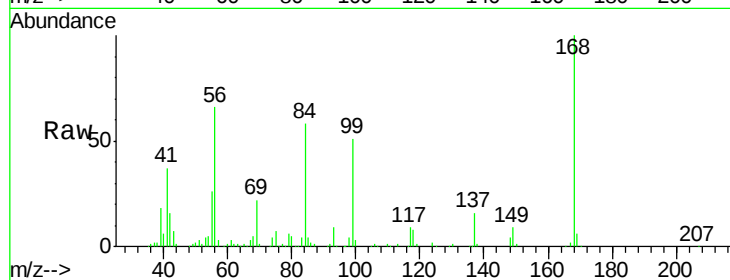
Tot Ion: 56 Resp: 283020

Ion Ratio Lower Upper

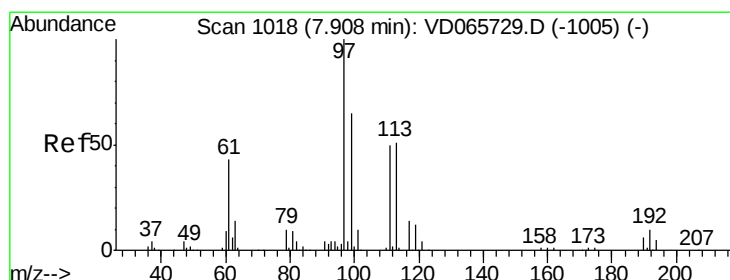
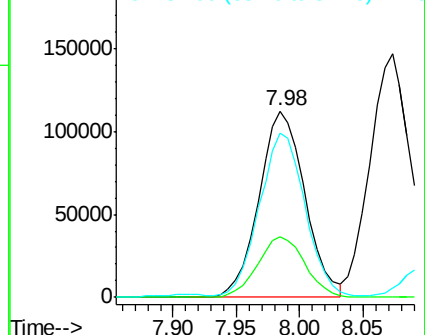
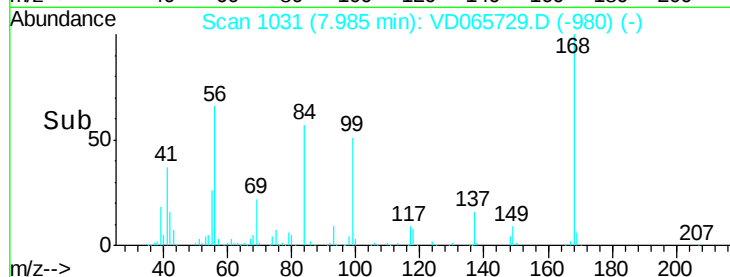
56 100

69 32.4 25.9 38.9

84 86.4 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: 42.879 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

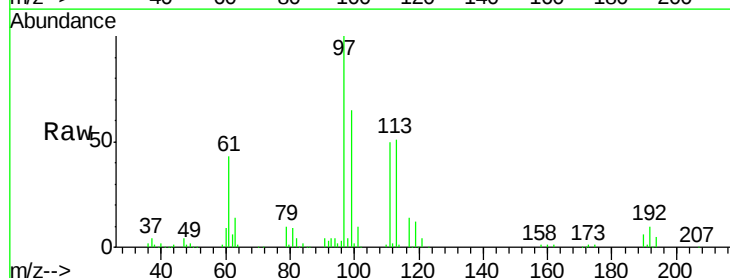
Tgt Ion: 97 Resp: 282143

Ion Ratio Lower Upper

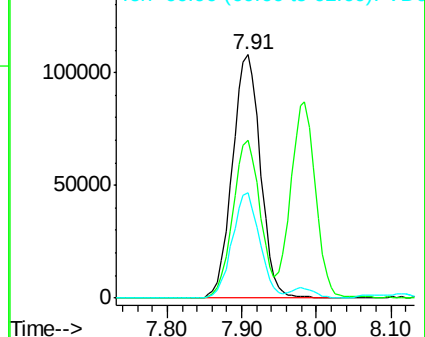
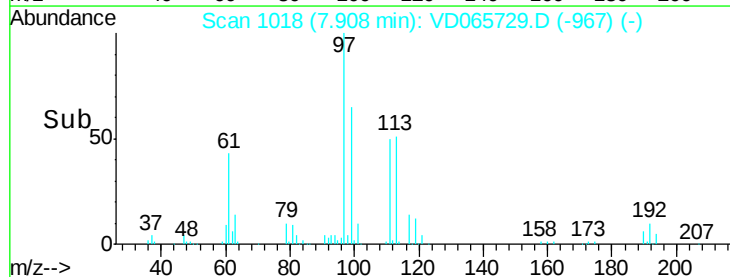
97 100

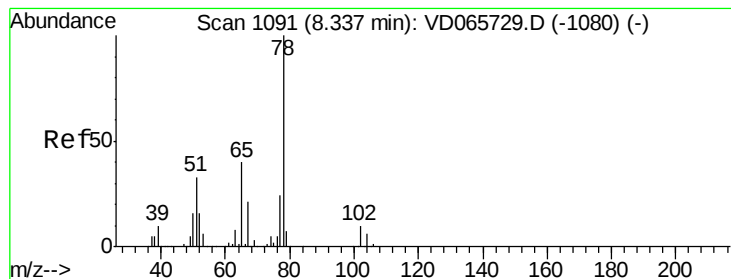
99 63.1 50.5 75.7

61 42.4 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: 40.373 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

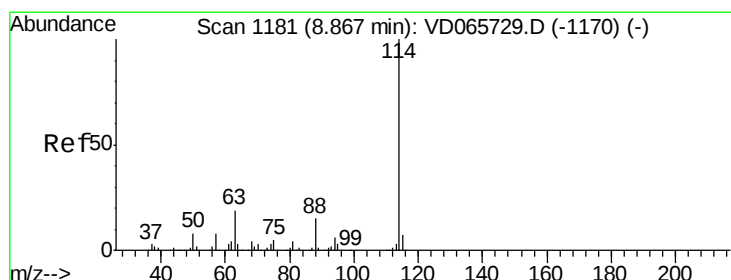
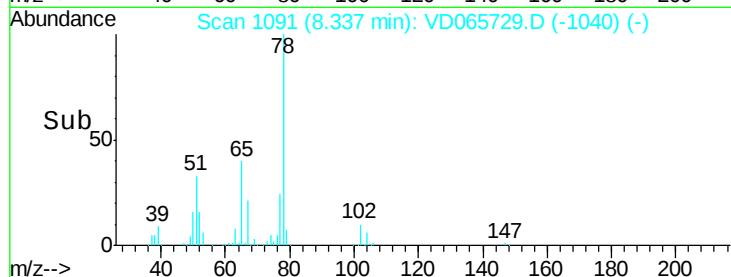
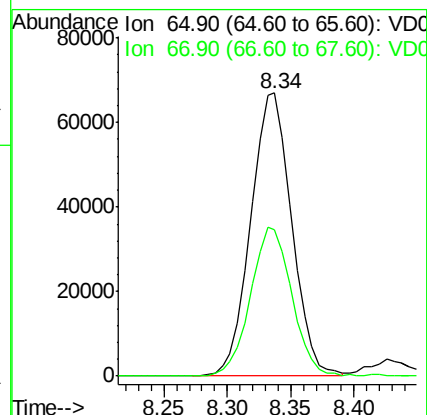
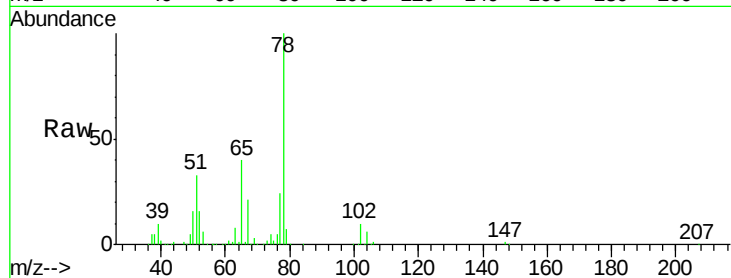
VSTDICCC050

Tot Ion: 65 Resp: 150594

Ion Ratio Lower Upper

65 100

67 53.1 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: VD065729.D

Acq: 13 May 2020 13:21

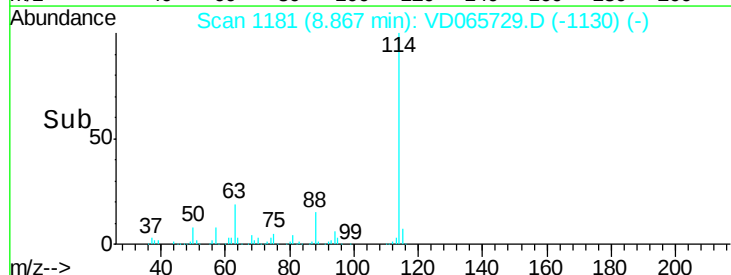
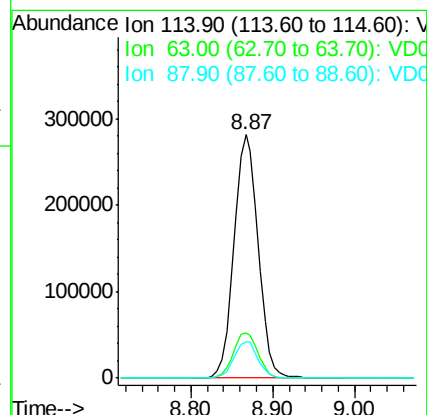
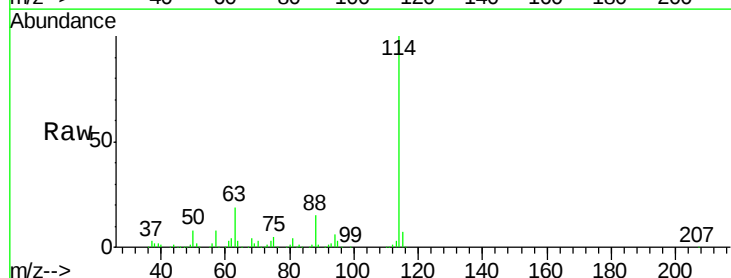
Tgt Ion: 114 Resp: 578425

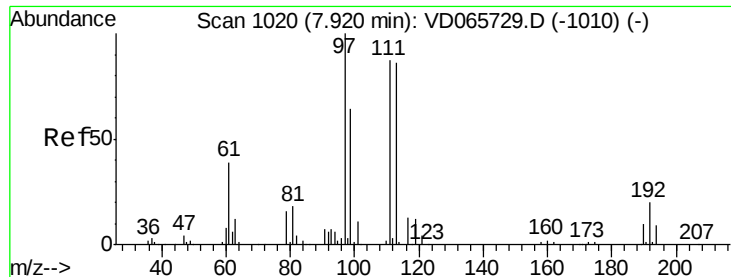
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.2

88 15.1 0.0 30.2

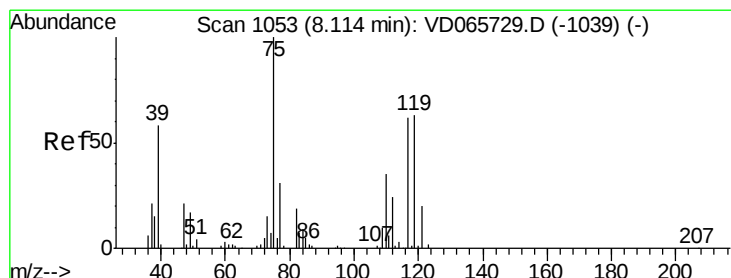
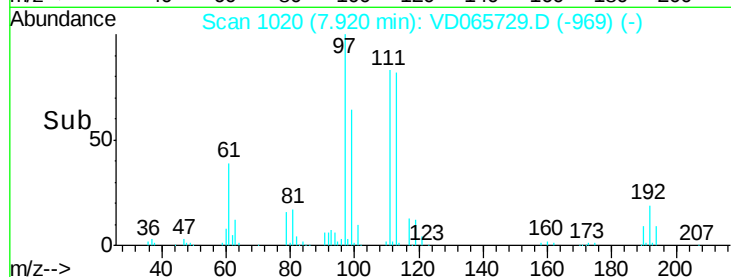
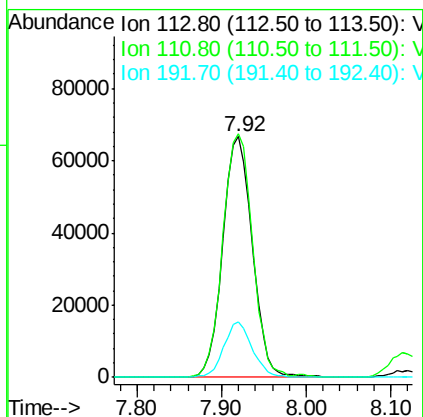
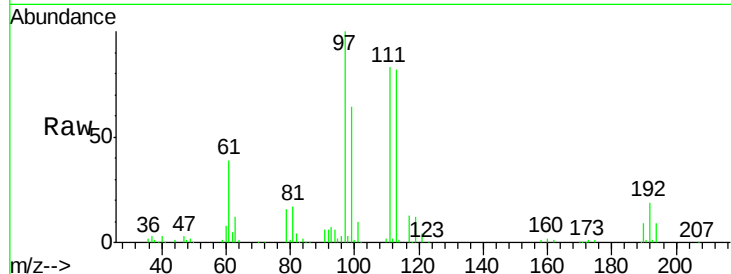




#35
 Dibromofluoromethane
 Concen: 45.727 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

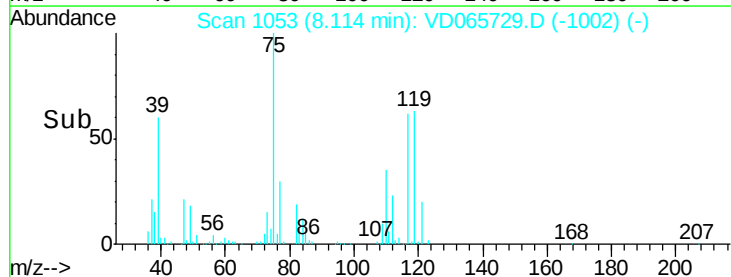
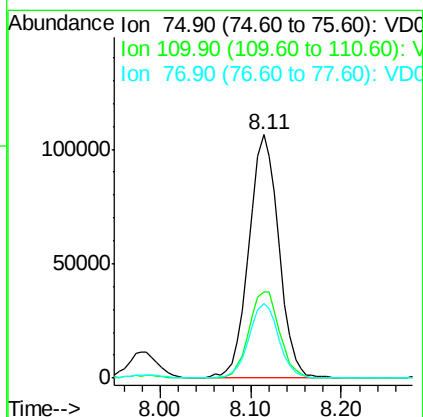
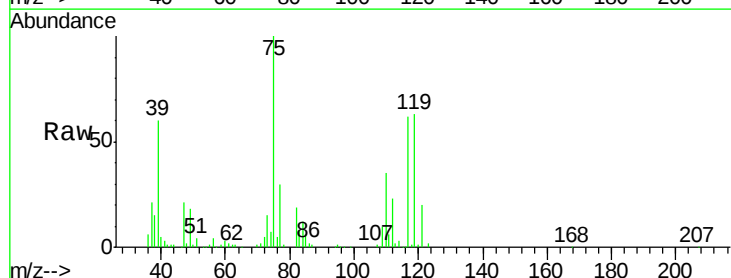
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

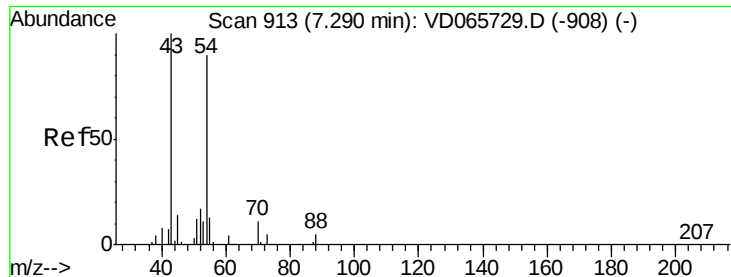
Tot Ion:113 Resp: 161345
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.1 121.7
 192 22.0 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 43.205 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Tgt Ion: 75 Resp: 241933
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.4 55.2
 77 30.8 24.6 37.0

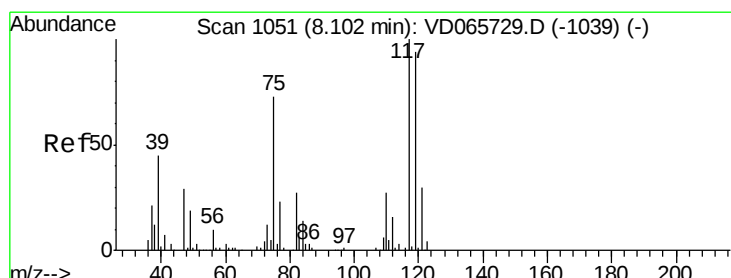
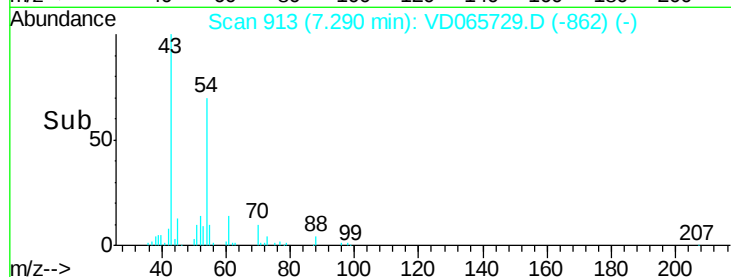
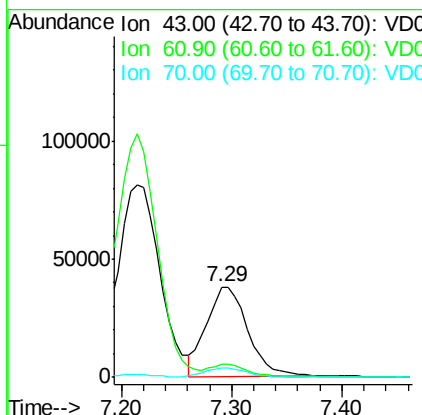
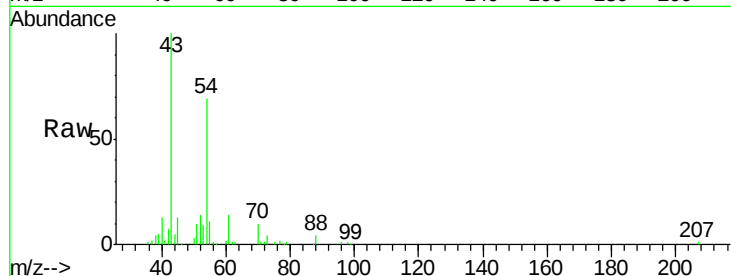




#37
Ethyl Acetate
Concen: 37.449 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

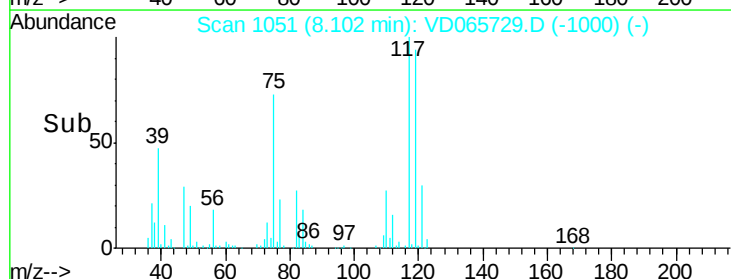
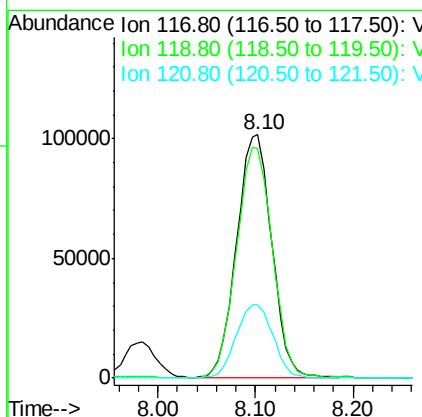
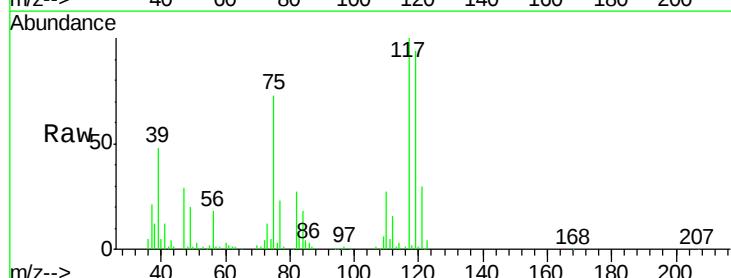
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

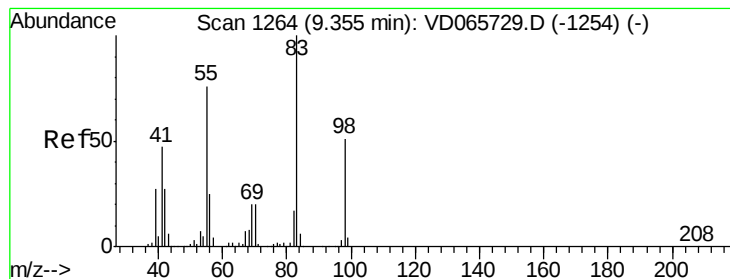
Tot Ion: 43 Resp: 98861
Ion Ratio Lower Upper
43 100
61 12.2 9.8 14.6
70 10.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 45.225 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion: 117 Resp: 253705
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 30.5 24.4 36.6

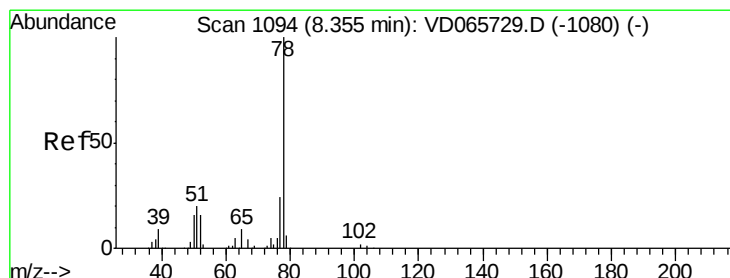
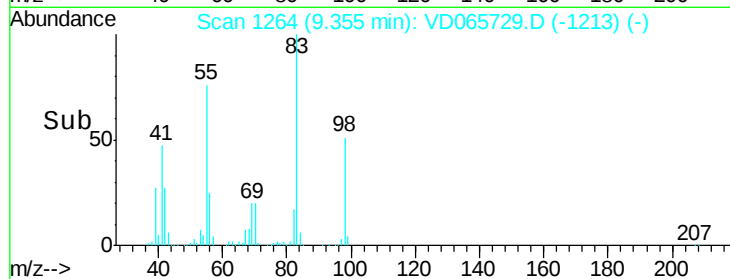
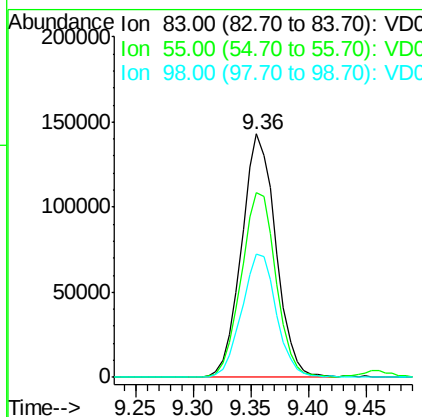
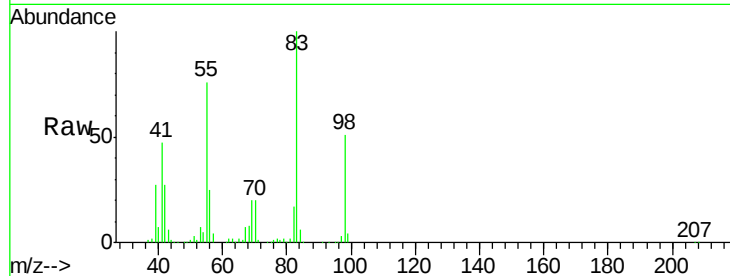




#39
Methvlcvclohexane
Concen: 42.182 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

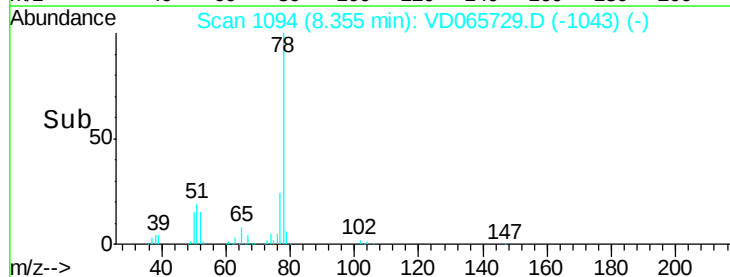
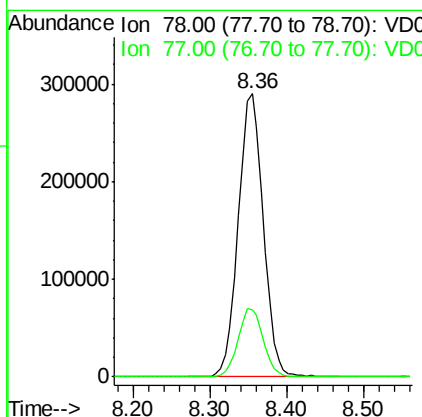
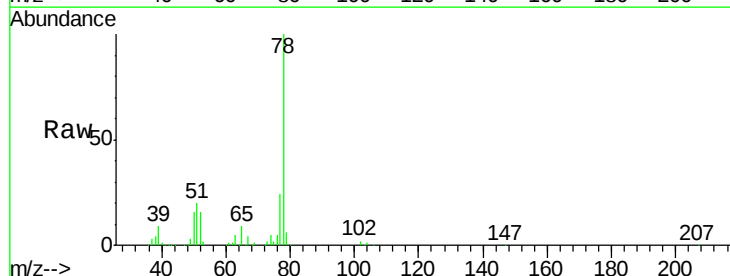
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

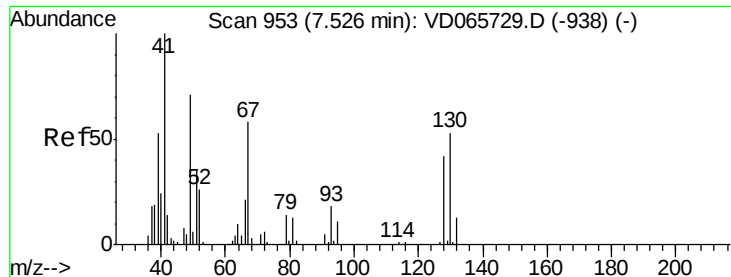
Tot Ion	83	Resp	296120
Ion Ratio	Lower	Upper	
83	100		
55	76.1	60.9	91.3
98	50.8	40.6	61.0



#40
Benzene
Concen: 43.333 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion	78	Resp	663562
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.1	28.7

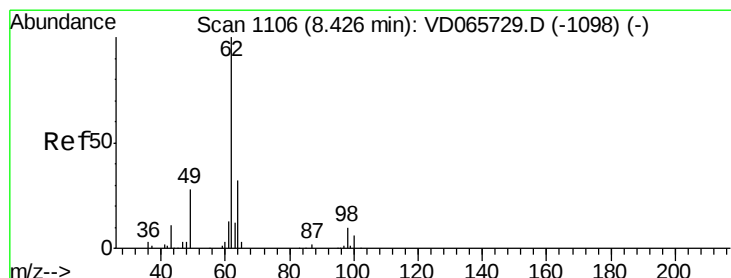
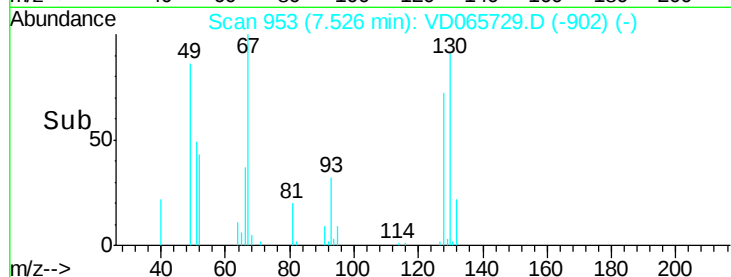
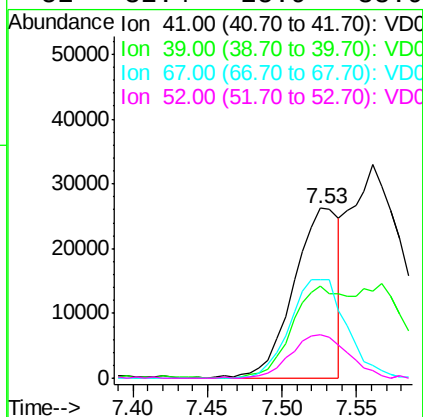
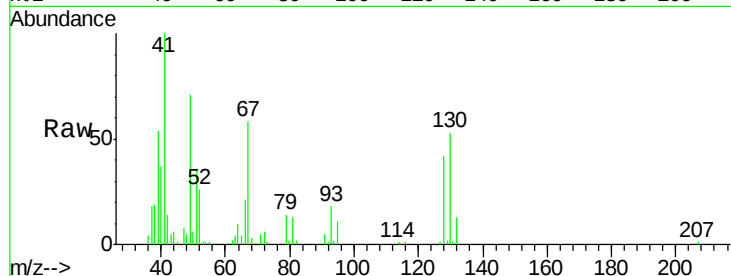




#41
Methacrylonitrile
Concen: 35.978 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

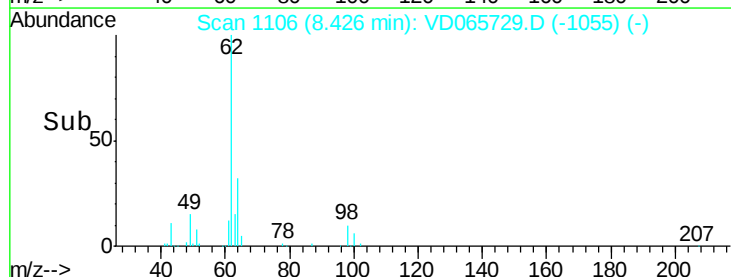
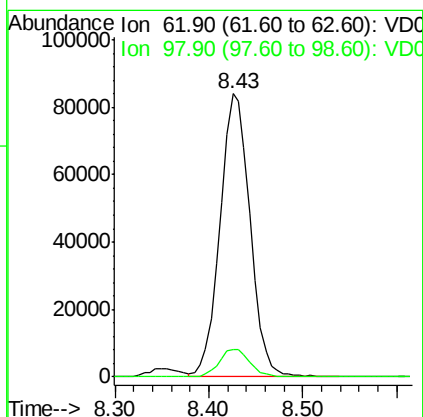
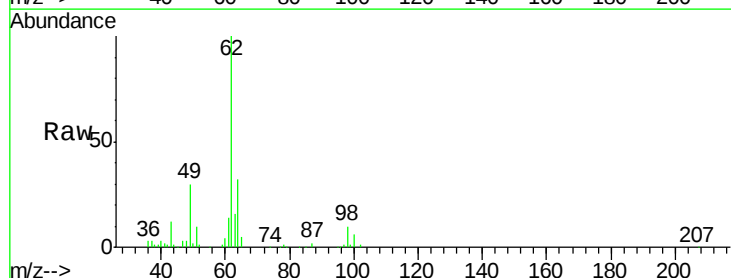
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

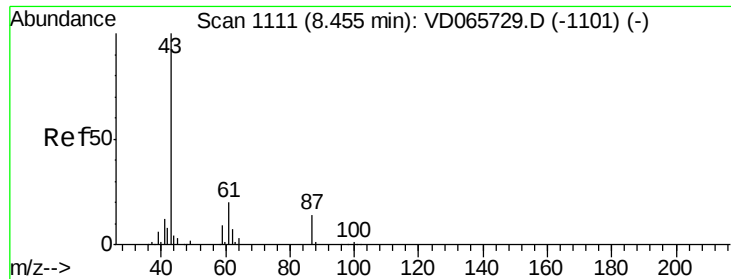
Tot Ion:	41	Resp:	55493
Ion	Ratio	Lower	Upper
41	100		
39	71.0	56.8	85.2
67	72.4	57.9	86.9
52	32.4	25.9	38.9



#42
1,2-Dichloroethane
Concen: 42.571 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion:	62	Resp:	187065
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6

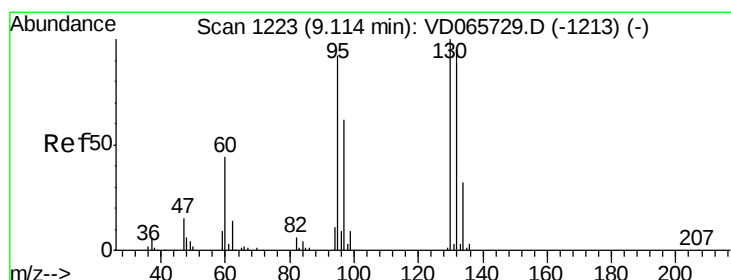
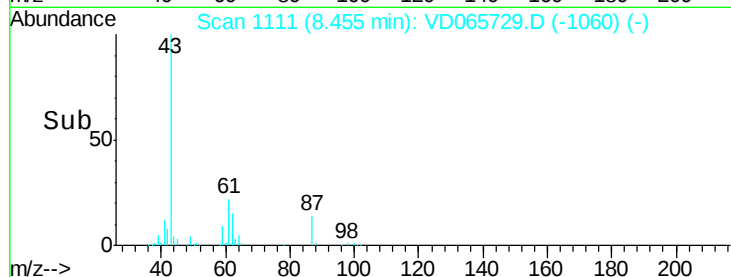
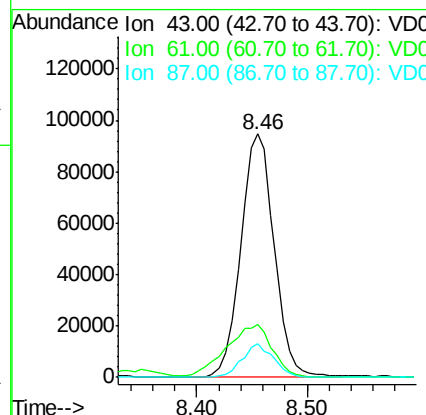
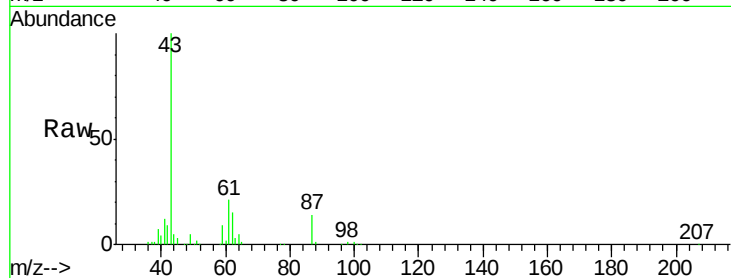




#43
Isopropyl Acetate
Concen: 38.033 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

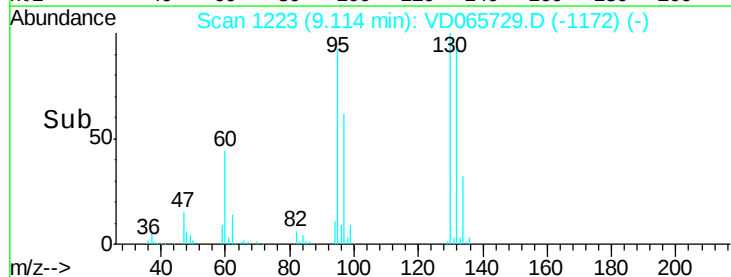
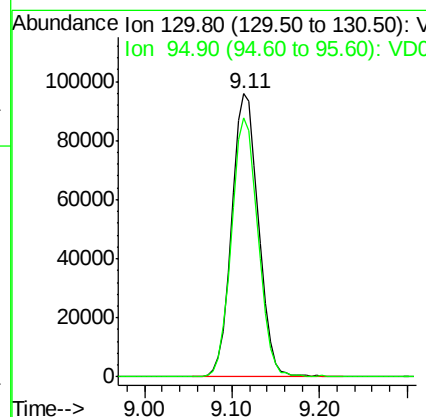
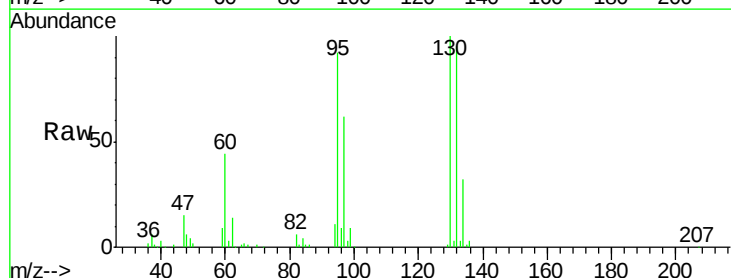
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

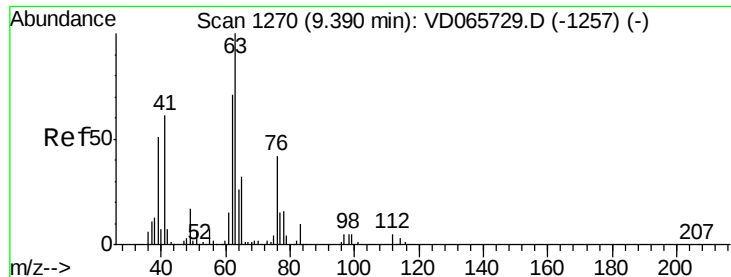
Tot Ion: 43 Resp: 200883
Ion Ratio Lower Upper
43 100
61 29.7 23.8 35.6
87 13.1 10.5 15.7



#44
Trichloroethene
Concen: 46.618 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion: 130 Resp: 199253
Ion Ratio Lower Upper
130 100
95 91.8 0.0 183.6

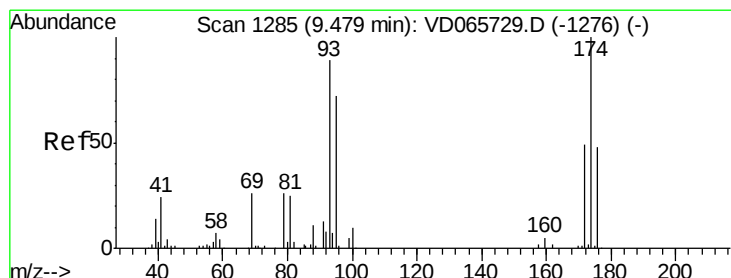
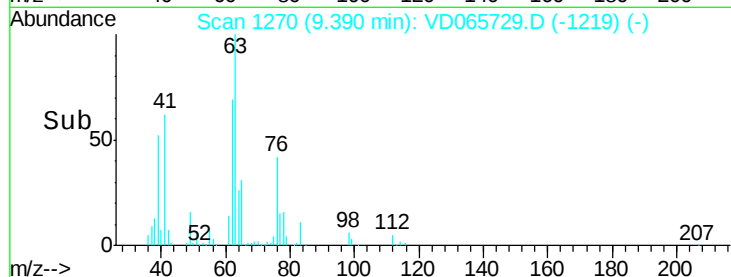
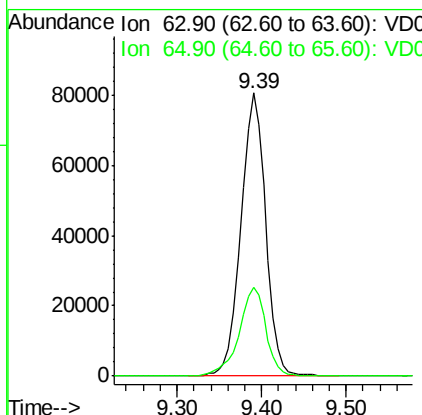
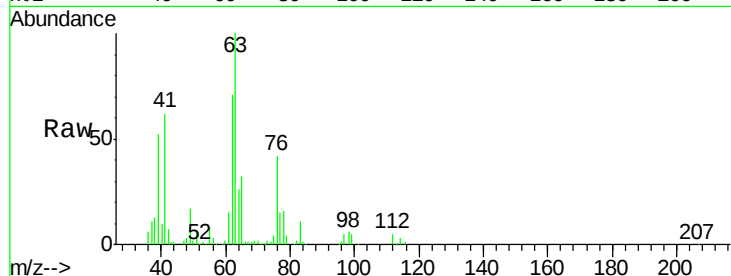




#45
 1,2-Dichloropropane
 Concen: 41.610 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

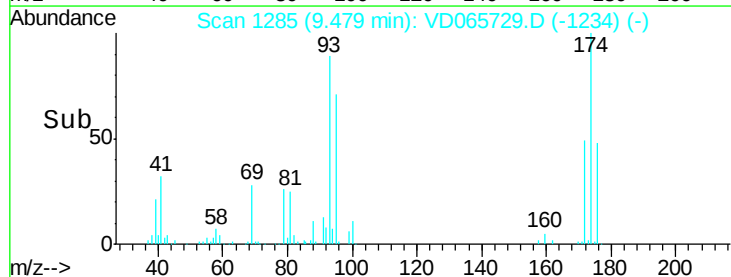
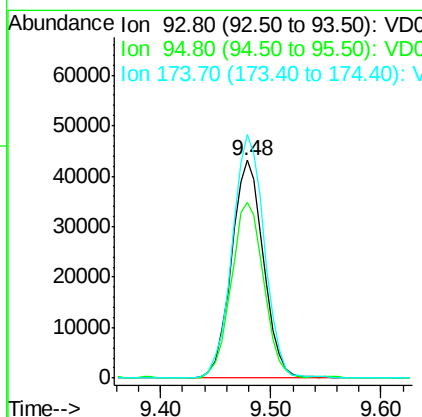
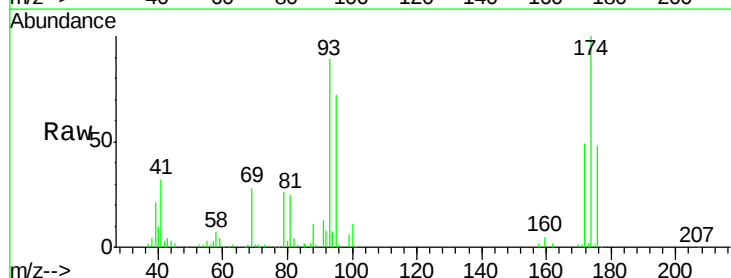
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

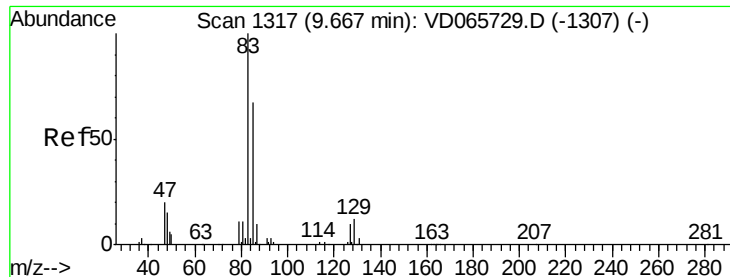
Tot Ion: 63 Resp: 163475
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.3 37.9



#46
 Dibromomethane
 Concen: 44.101 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Tgt Ion: 93 Resp: 87707
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.4 98.2
 174 112.4 89.9 134.9





#47

Bromodichloromethane

Concen: 43.440 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

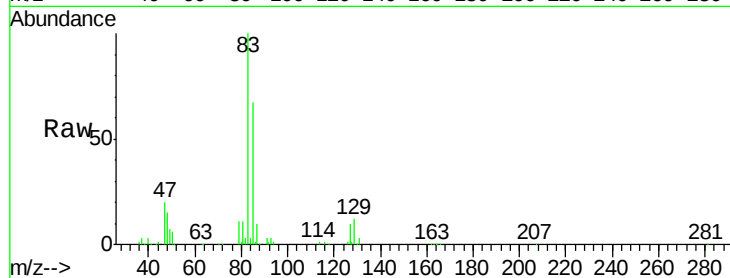
Tot Ion: 83 Resp: 231047

Ion Ratio Lower Upper

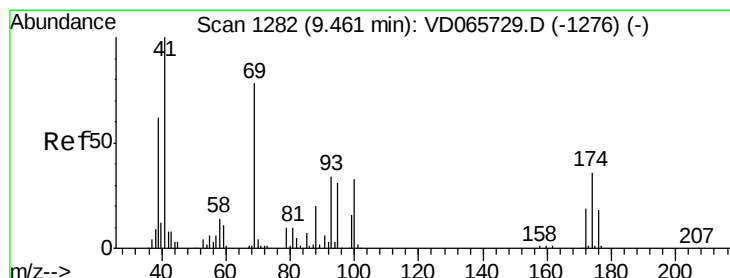
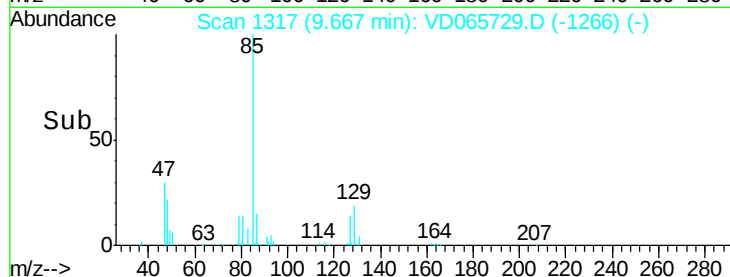
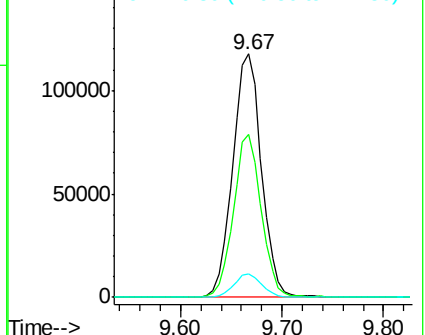
83 100

85 67.0 53.6 80.4

127 9.6 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: 37.811 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

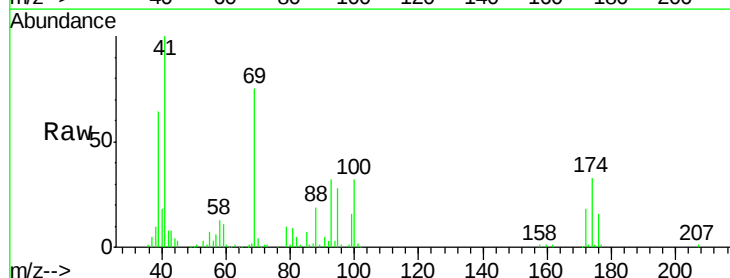
Tgt Ion: 41 Resp: 99783

Ion Ratio Lower Upper

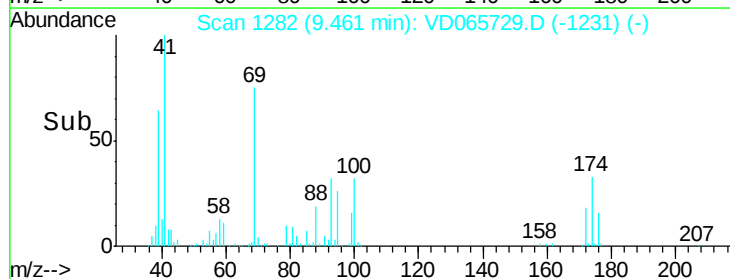
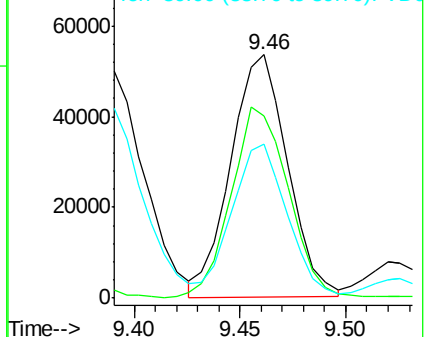
41 100

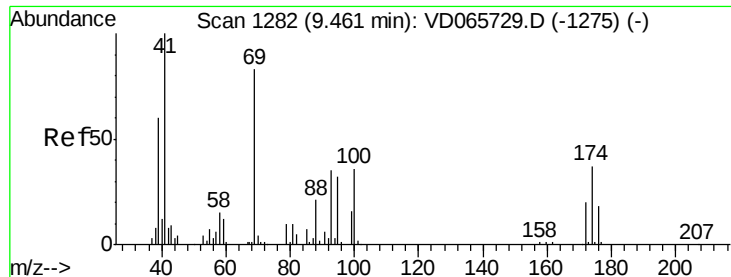
69 80.5 64.4 96.6

39 58.4 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

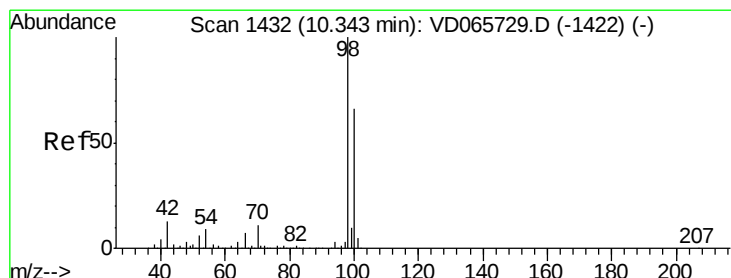
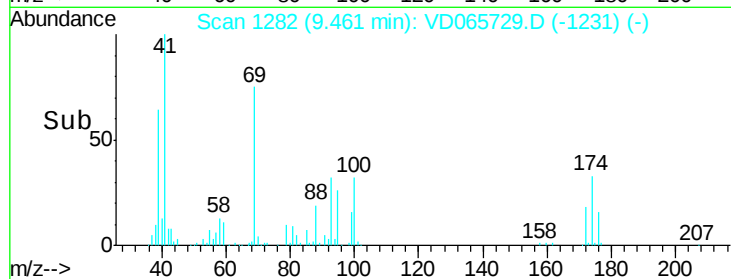
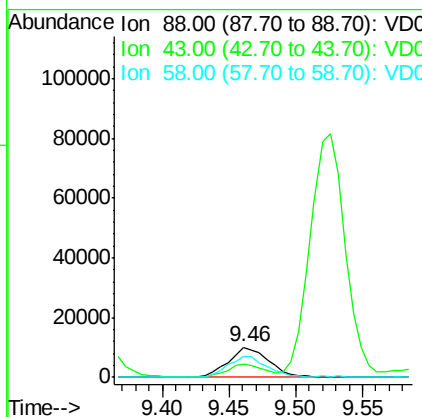
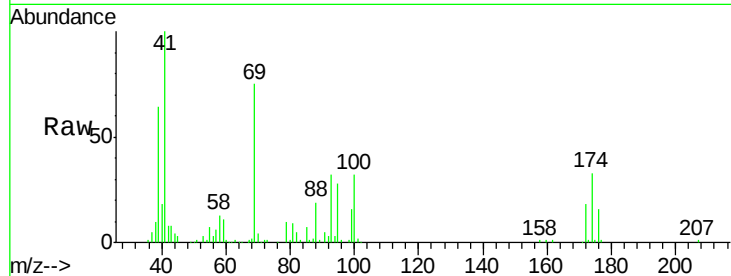




#49
1,4-Dioxane
Concen: 871.971 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

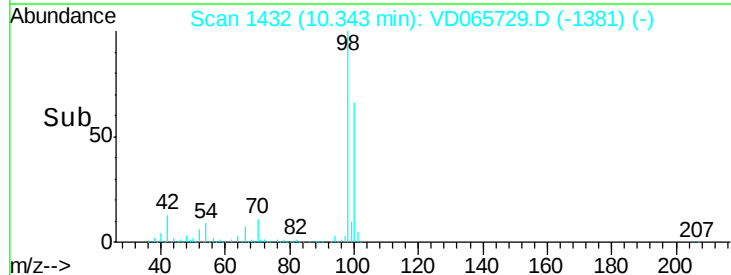
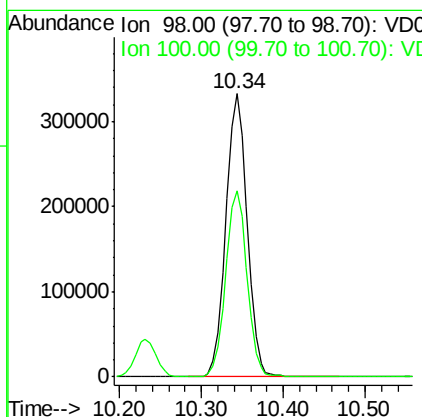
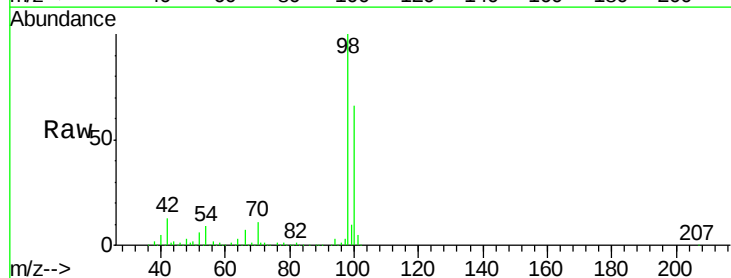
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

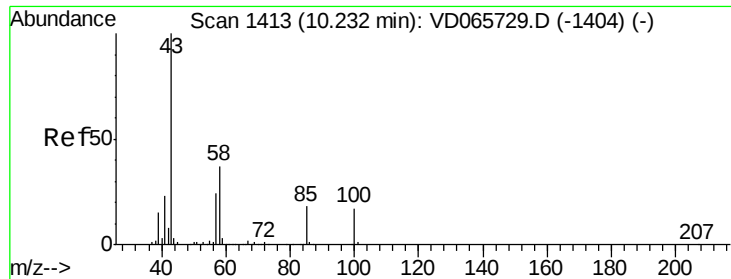
Tot Ion: 88 Resp: 21068
Ion Ratio Lower Upper
88 100
43 36.7 29.4 44.0
58 68.9 55.1 82.7



#50
Toluene-d8
Concen: 44.817 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion: 98 Resp: 604058
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7

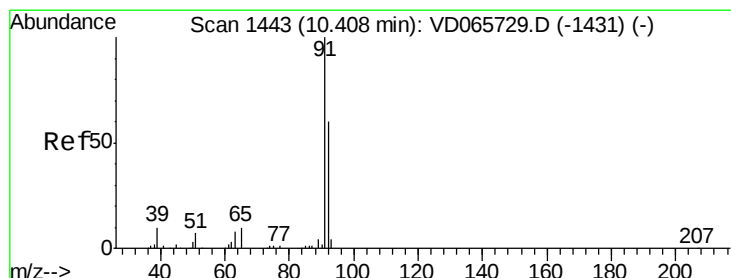
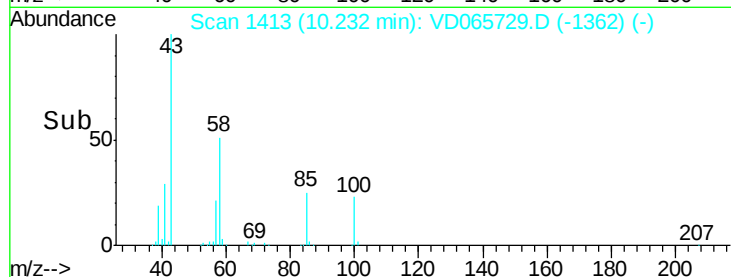
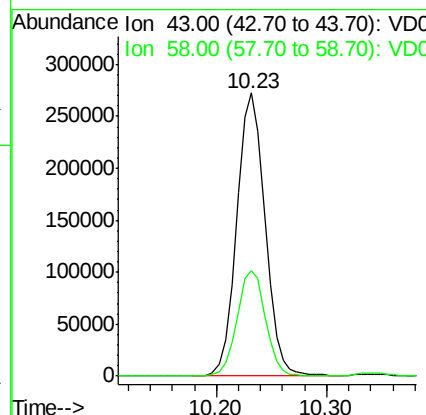
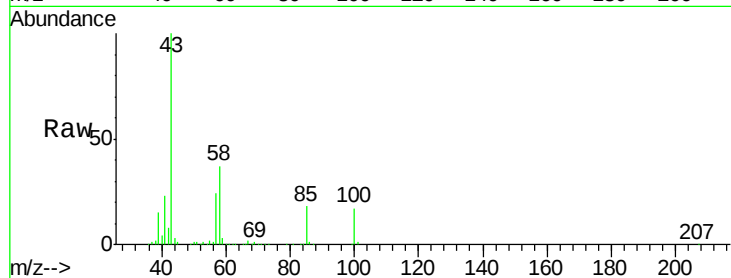




#51
4-Methyl-2-Pentanone
Concen: 193.077 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

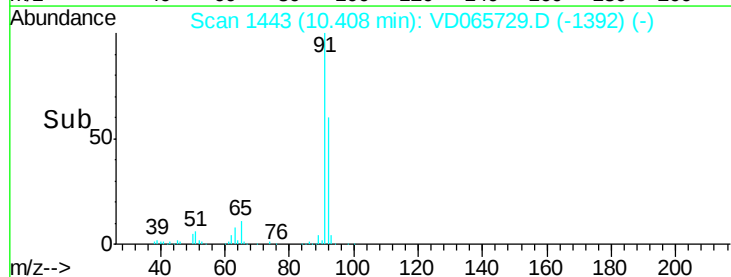
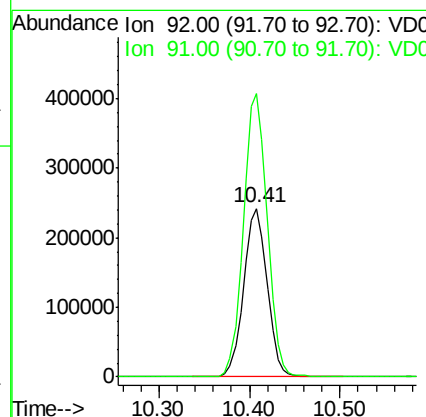
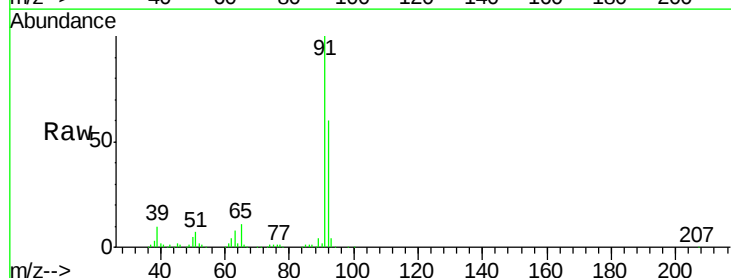
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

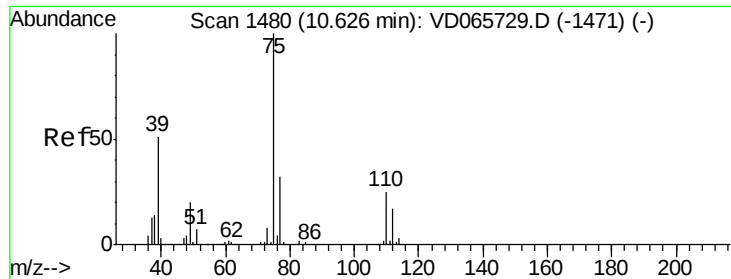
Tot Ion: 43 Resp: 491678
Ion Ratio Lower Upper
43 100
58 37.7 30.2 45.2



#52
Toluene
Concen: 44.715 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion: 92 Resp: 435415
Ion Ratio Lower Upper
92 100
91 170.8 136.6 205.0

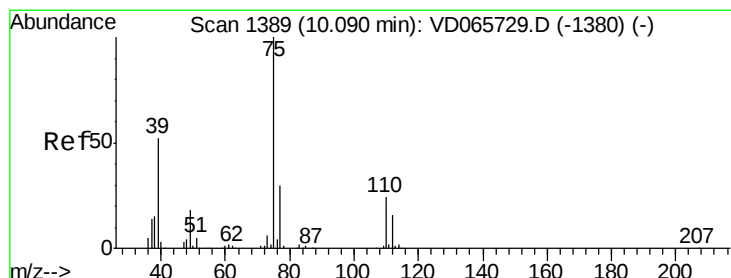
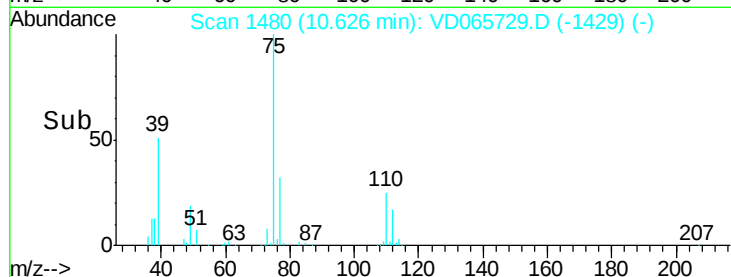
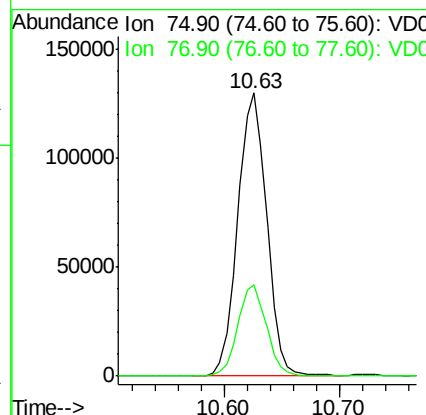
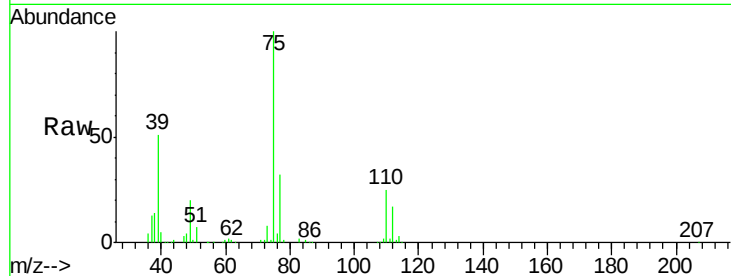




#53
t-1,3-Dichloropropene
Concen: 42.290 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

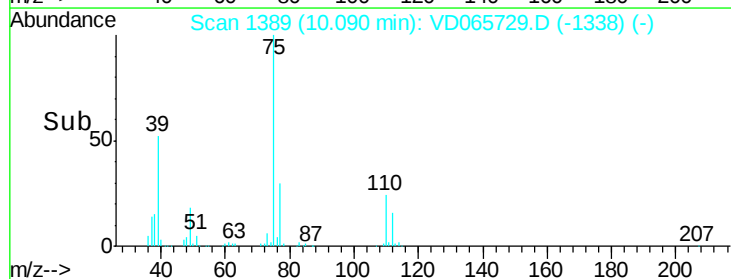
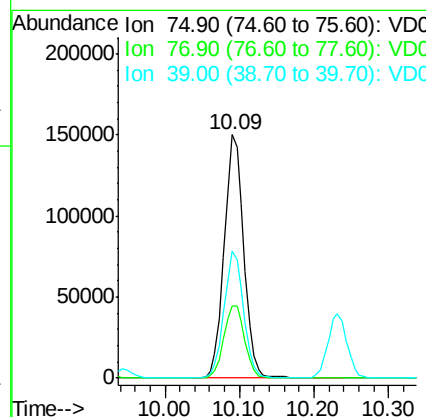
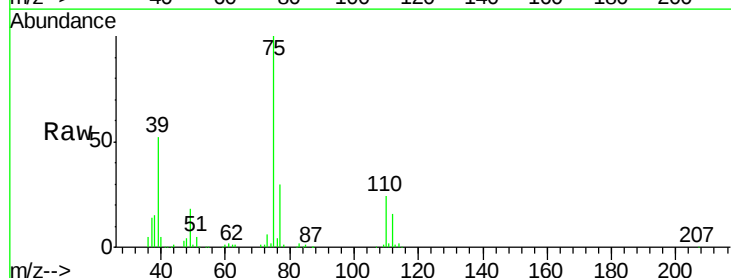
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

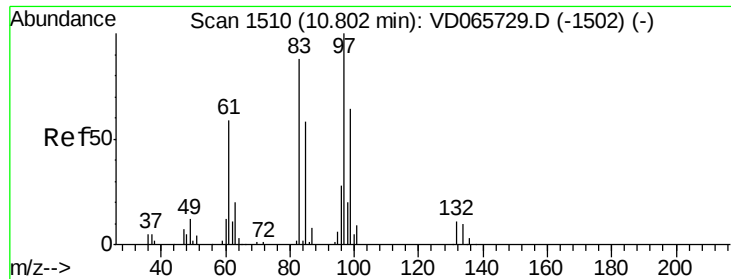
Tot Ion: 75 Resp: 226235
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 43.221 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion: 75 Resp: 273858
Ion Ratio Lower Upper
75 100
77 29.7 23.8 35.6
39 52.4 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 44.354 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 118878

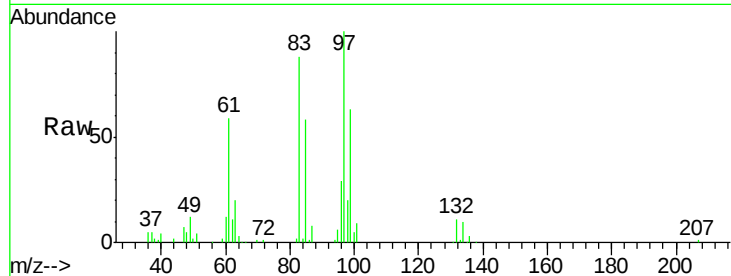
Ion Ratio Lower Upper

97 100

83 88.4 70.7 106.1

85 58.5 46.8 70.2

99 63.6 50.9 76.3

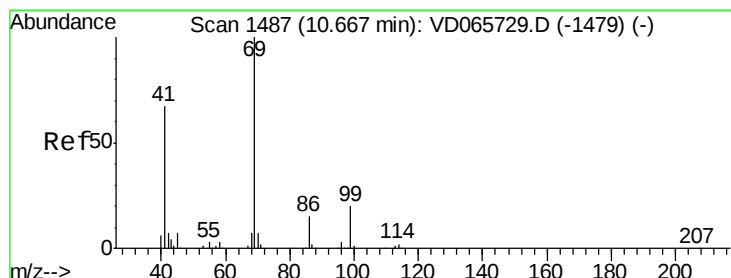
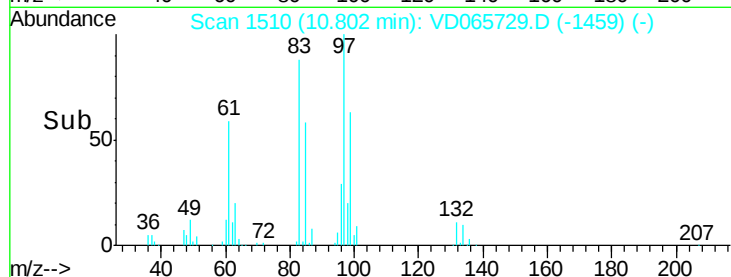
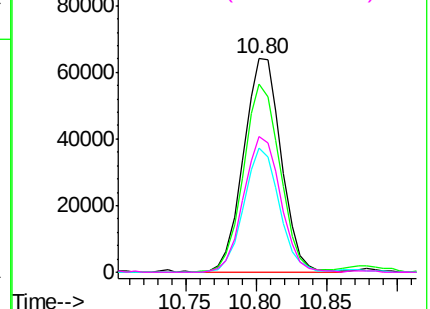


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 41.348 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

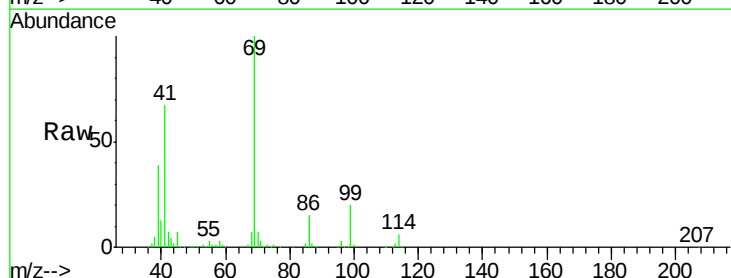
Tgt Ion: 69 Resp: 158242

Ion Ratio Lower Upper

69 100

41 69.6 55.7 83.5

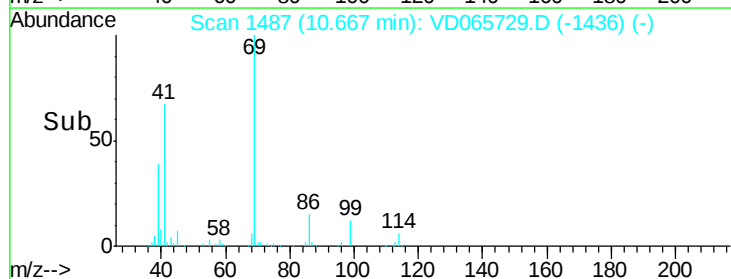
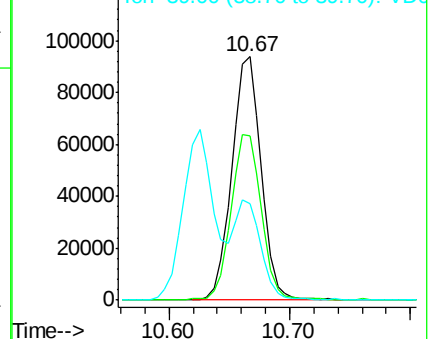
39 35.8 28.6 43.0

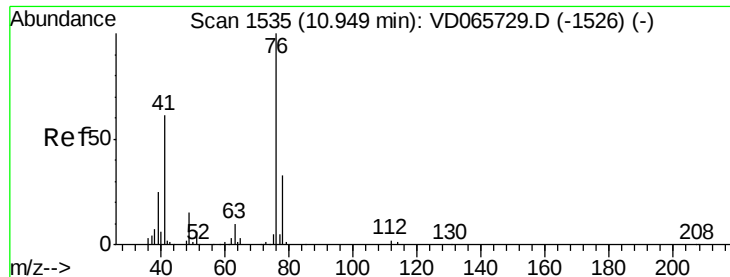


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

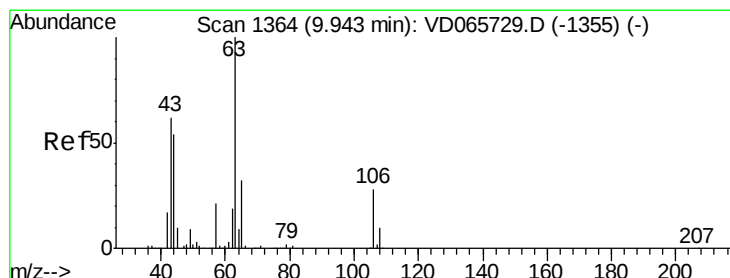
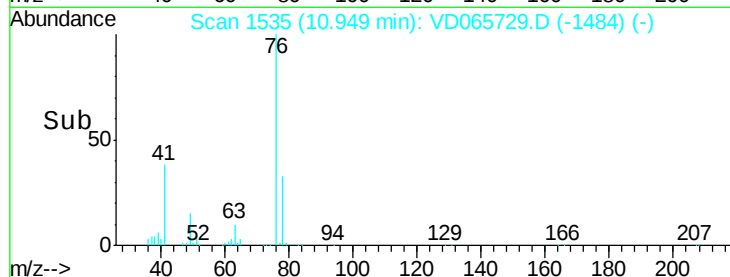
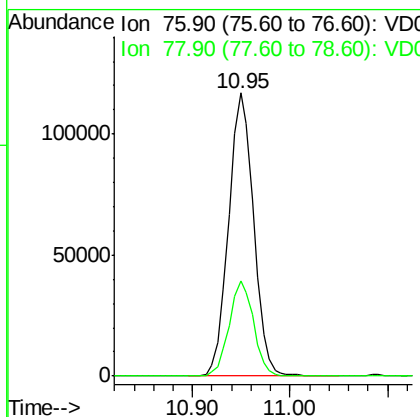
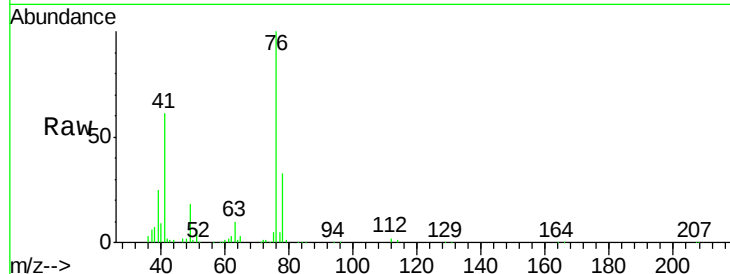




#57
 1,3-Dichloropropane
 Concen: 43.215 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

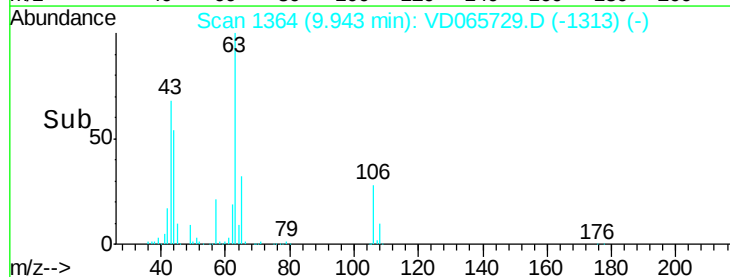
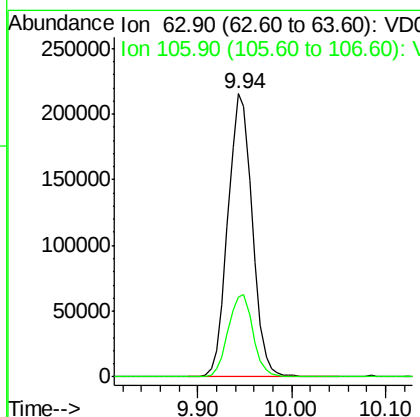
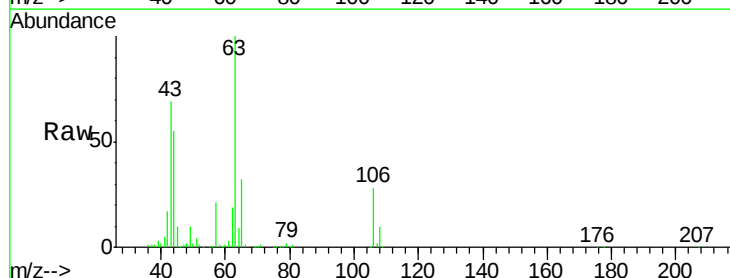
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

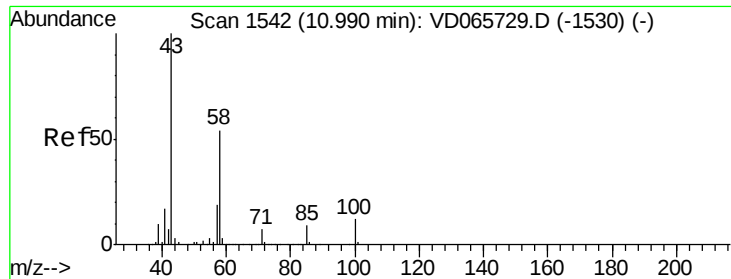
Tot Ion: 76 Resp: 207504
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.929 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Tgt Ion: 63 Resp: 389496
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.5 35.3

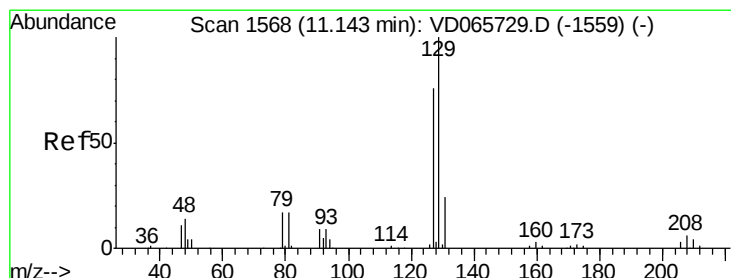
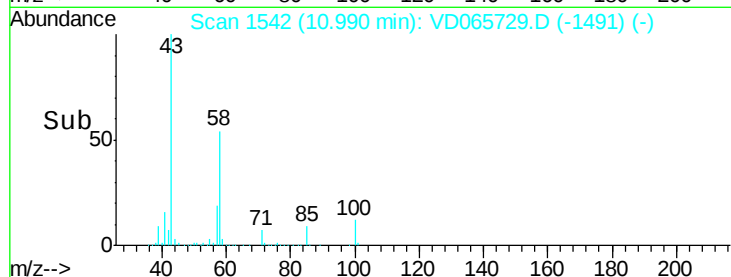
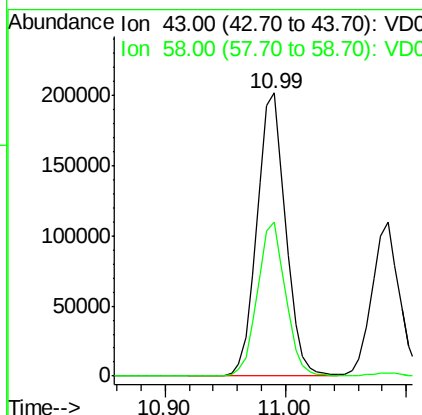
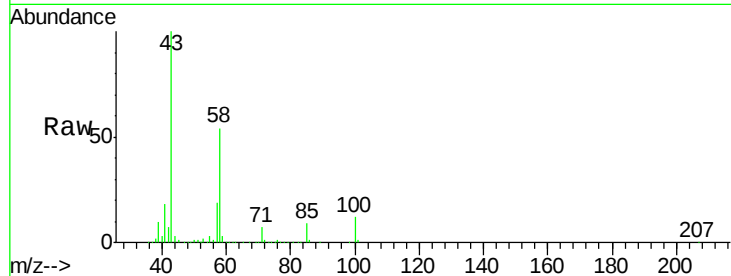




#59
2-Hexanone
Concen: 190.826 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

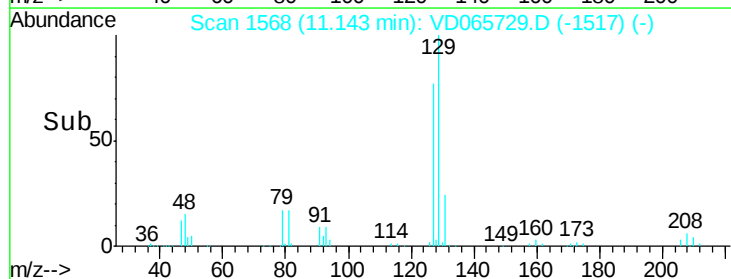
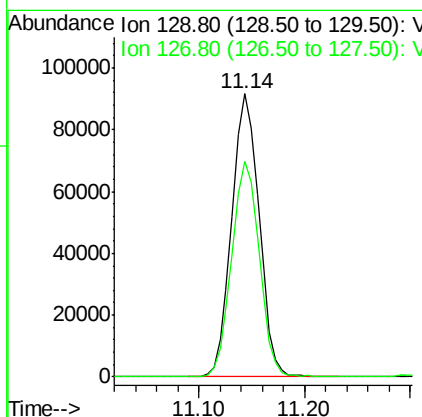
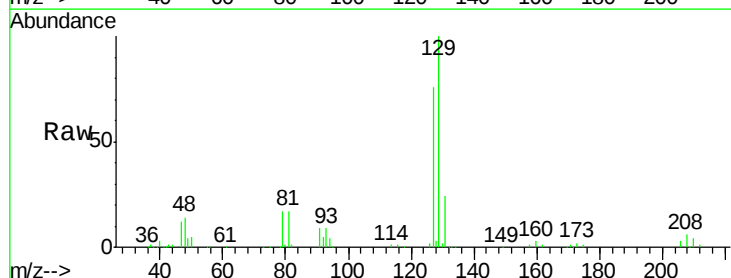
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

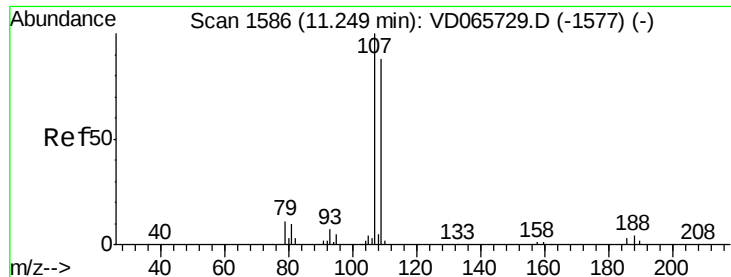
Tot Ion: 43 Resp: 332936
Ion Ratio Lower Upper
43 100
58 53.4 26.7 80.1



#60
Dibromochloromethane
Concen: 45.301 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion: 129 Resp: 164413
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9

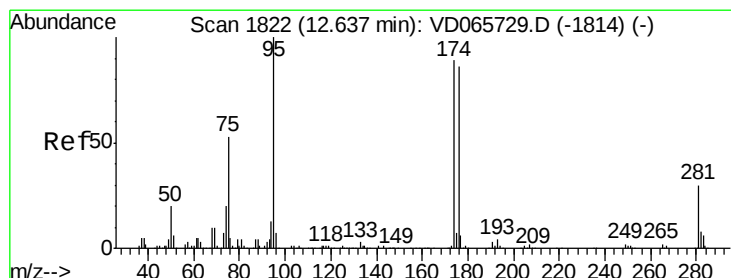
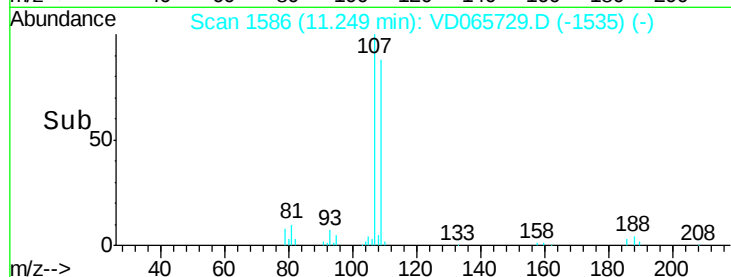
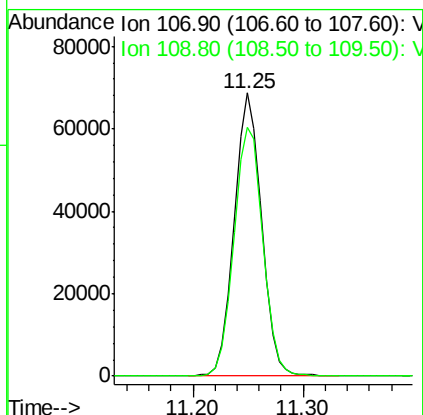
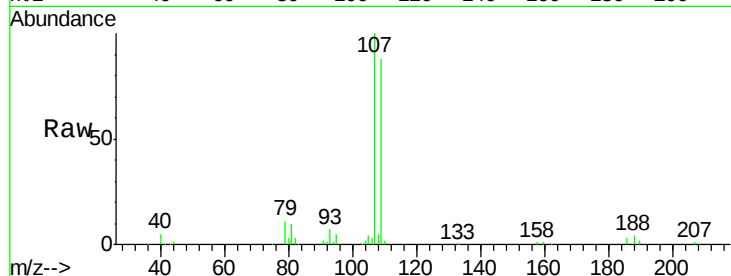




#61
 1,2-Dibromoethane
 Concen: 44.280 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

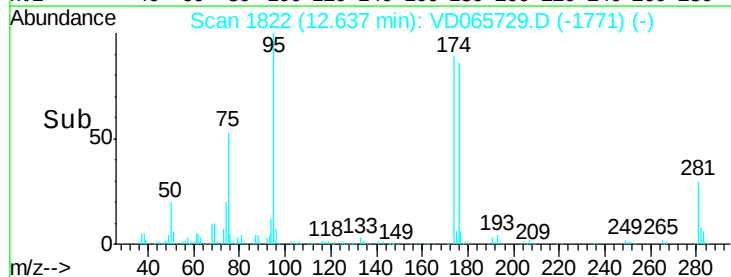
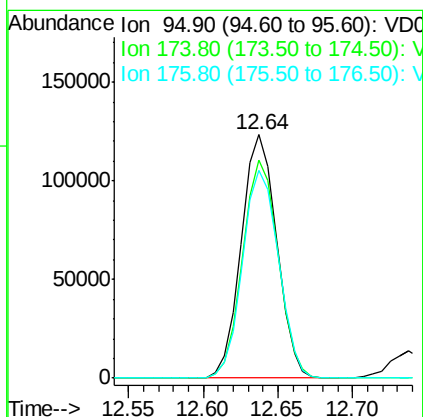
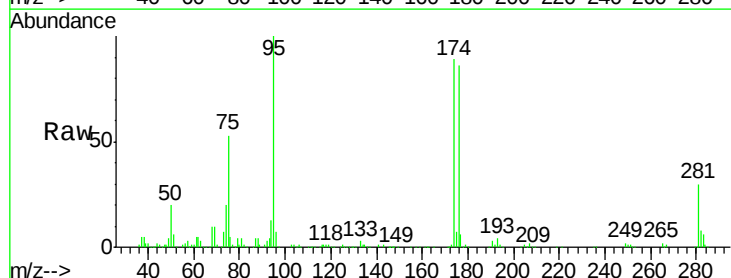
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

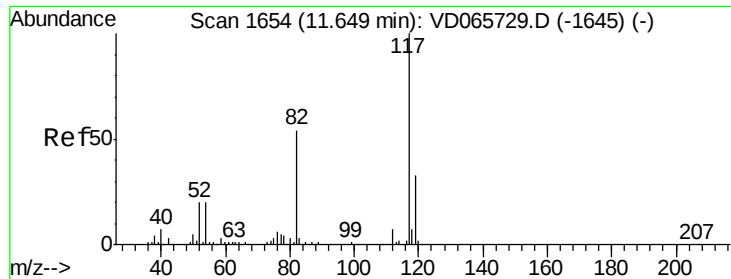
Tot Ion:107 Resp: 119434
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 42.684 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Tgt Ion: 95 Resp: 202891
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 179.4
 176 87.0 0.0 174.0

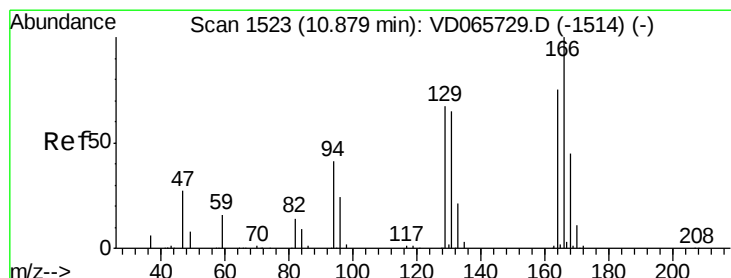
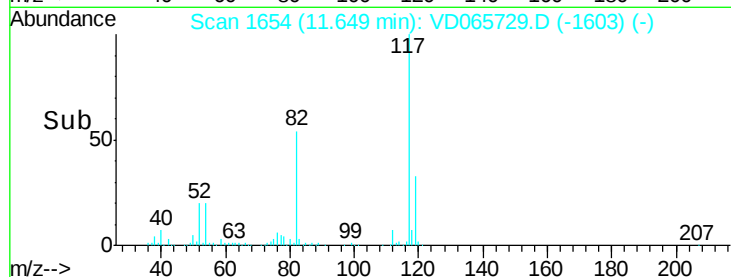
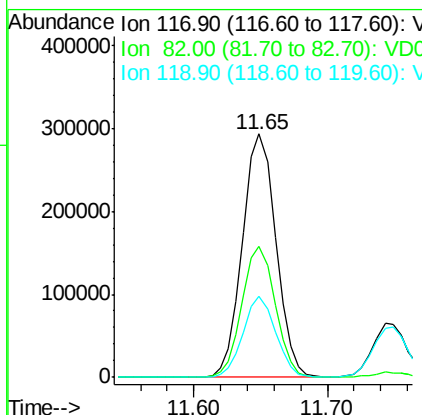
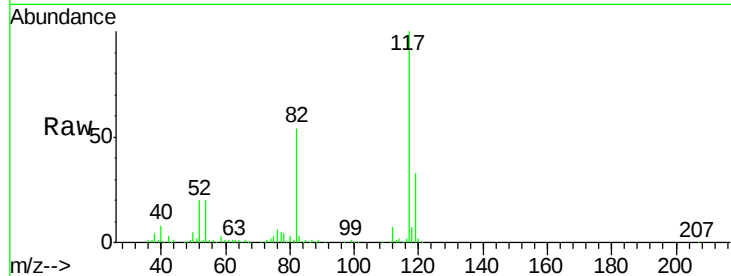




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

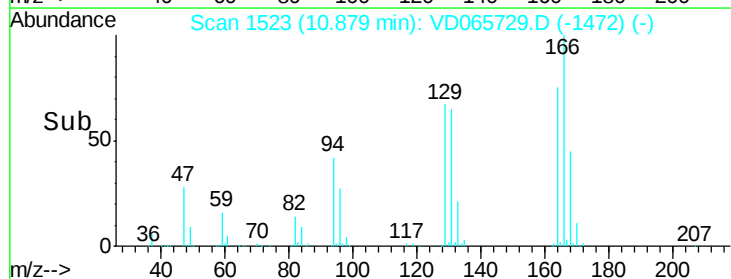
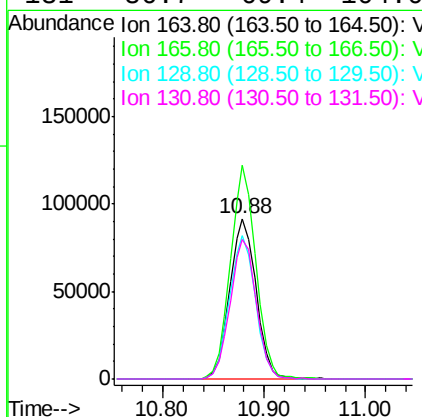
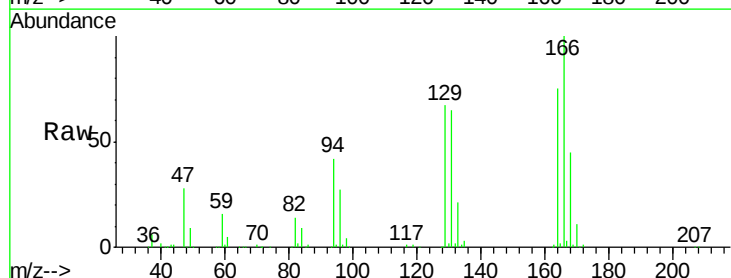
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

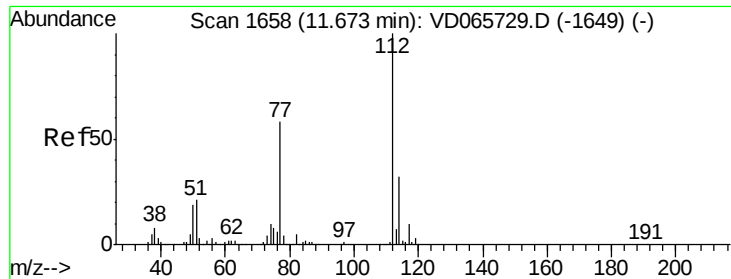
Tot Ion:117 Resp: 510278
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.6
119 33.3 26.6 40.0



#64
Tetrachloroethene
Concen: 45.944 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion:164 Resp: 165054
Ion Ratio Lower Upper
164 100
166 133.2 106.6 159.8
129 89.3 71.4 107.2
131 86.7 69.4 104.0

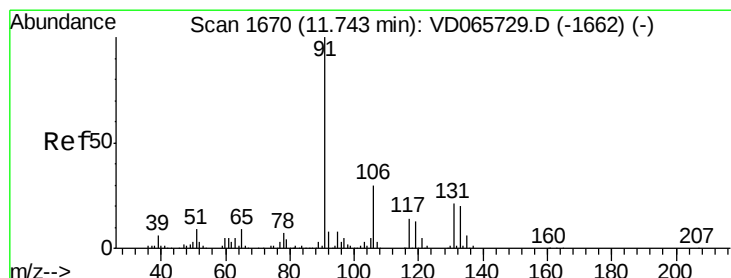
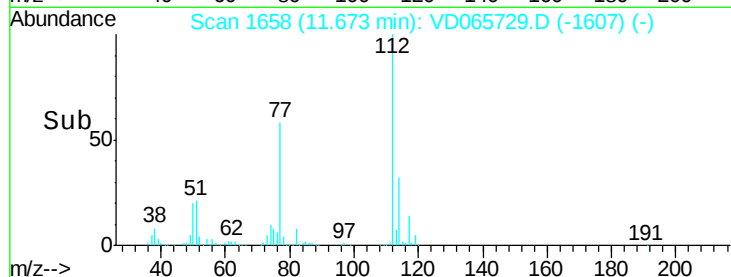
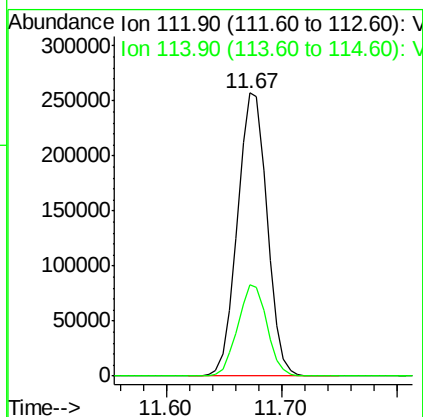
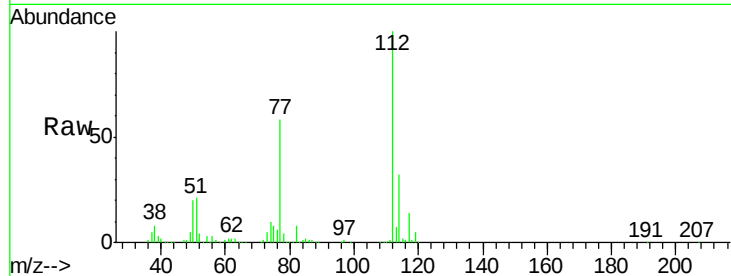




#65
Chlorobenzene
Concen: 45.173 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

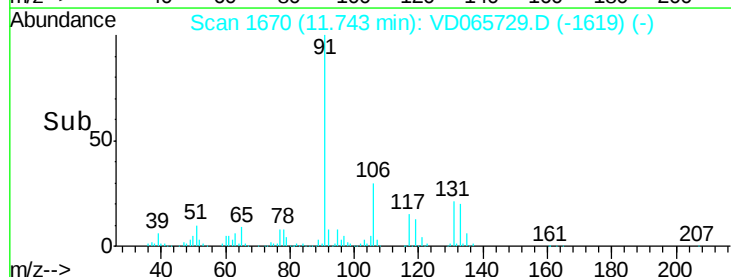
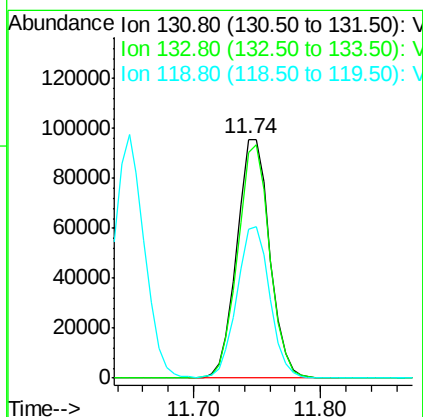
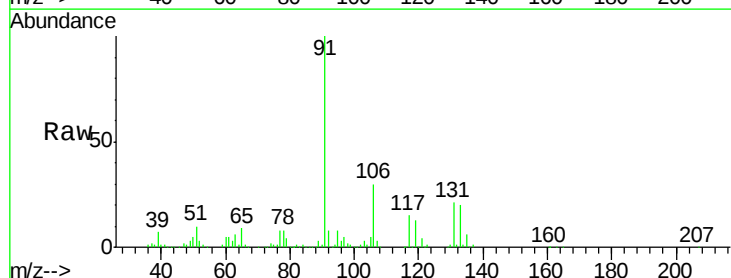
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

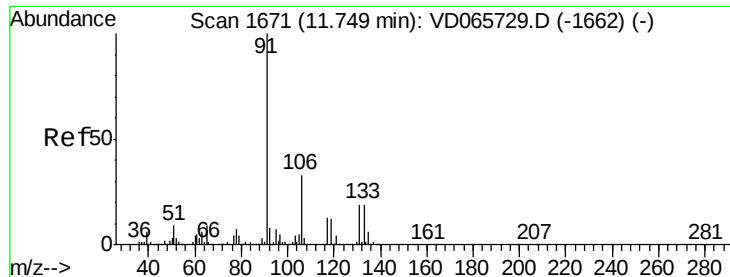
Tot Ion:112 Resp: 457991
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 45.656 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion:131 Resp: 172307
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 63.3 31.6 95.0





#67

Ethyl Benzene

Concen: 43.601 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

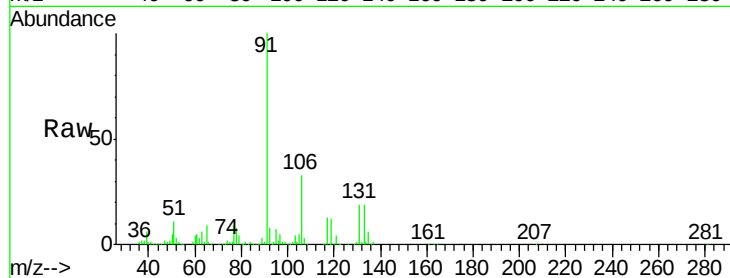
VSTDICCC050

Tot Ion: 91 Resp: 819293

Ion Ratio Lower Upper

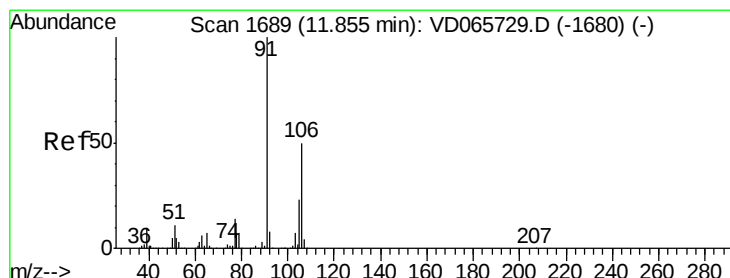
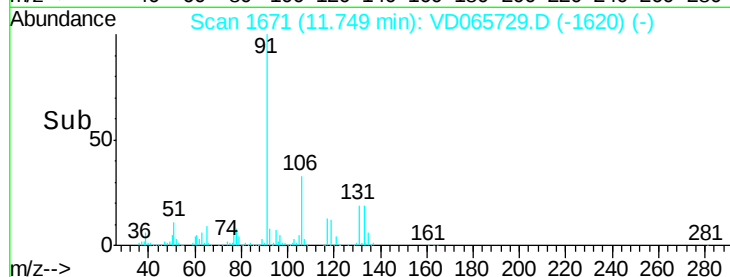
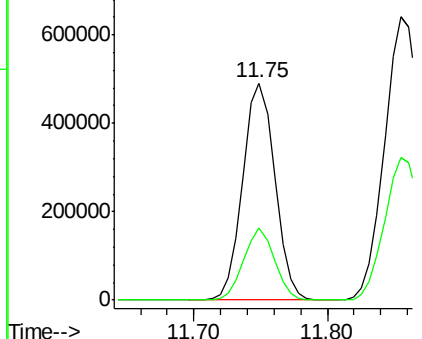
91 100

106 33.3 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: 89.051 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065729.D

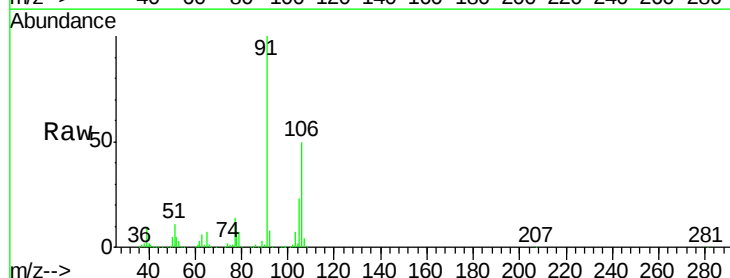
Acq: 13 May 2020 13:21

Tgt Ion: 106 Resp: 626266

Ion Ratio Lower Upper

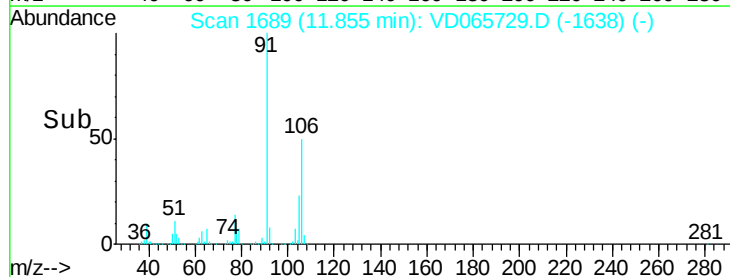
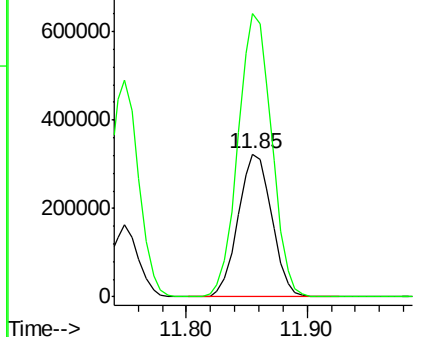
106 100

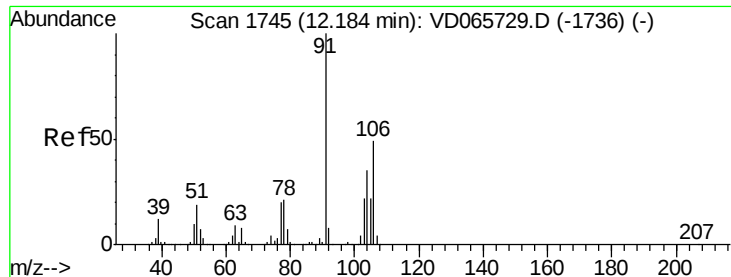
91 198.4 158.7 238.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

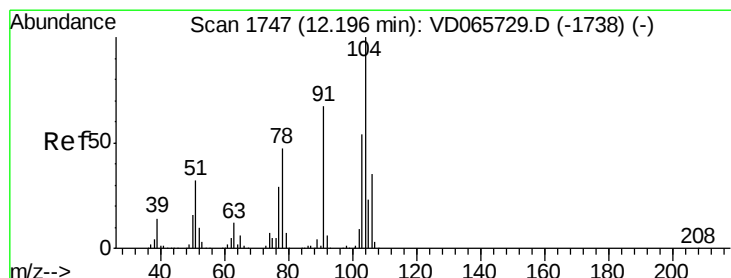
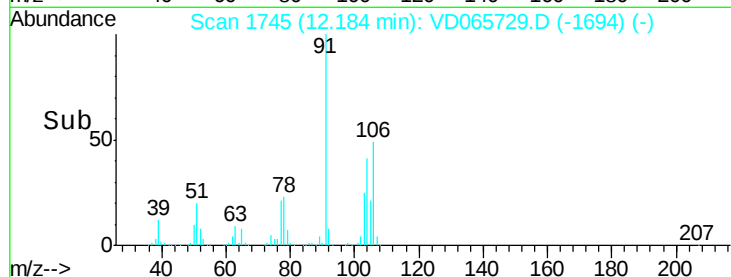
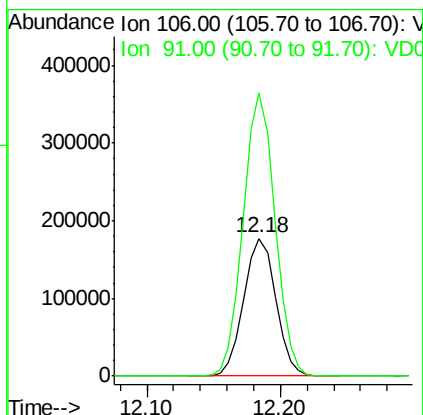
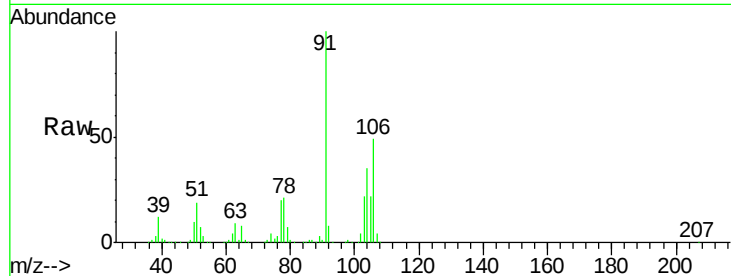




#69
o-Xylene
Concen: 44.891 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

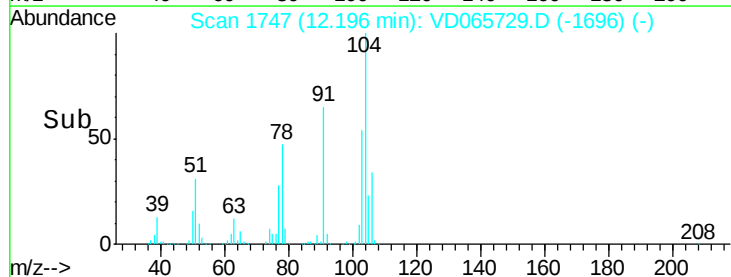
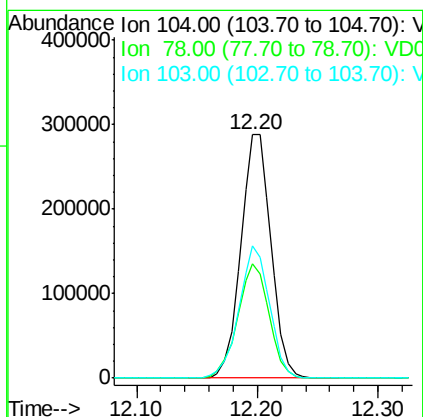
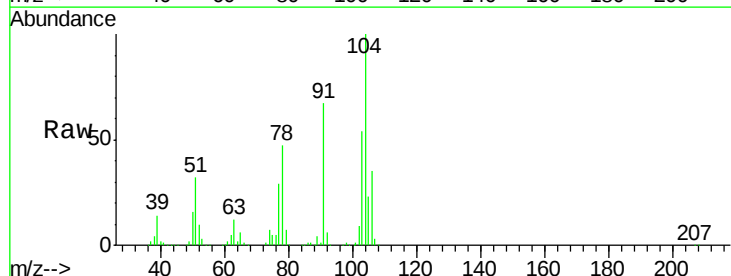
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

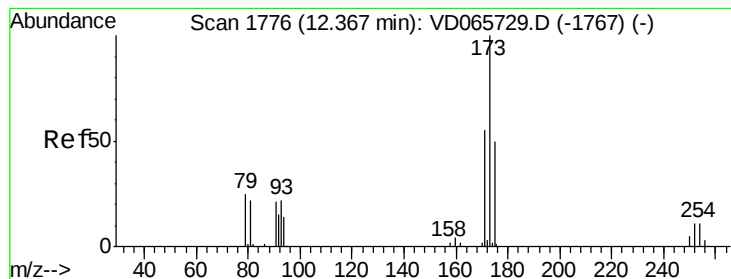
Tot Ion:106 Resp: 294708
Ion Ratio Lower Upper
106 100
91 203.6 101.8 305.4



#70
Styrene
Concen: 44.519 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion:104 Resp: 501359
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 55.0 44.0 66.0





#71

Bromoform

Concen: 46.101 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

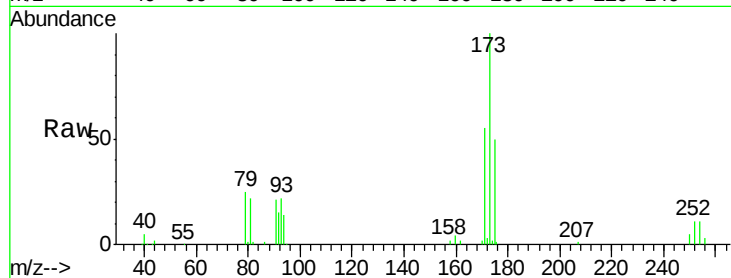
Tot Ion:173 Resp: 98029

Ion Ratio Lower Upper

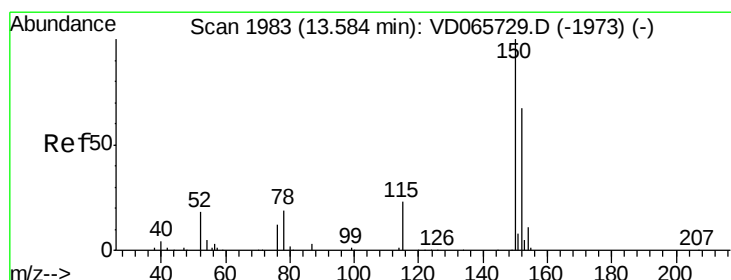
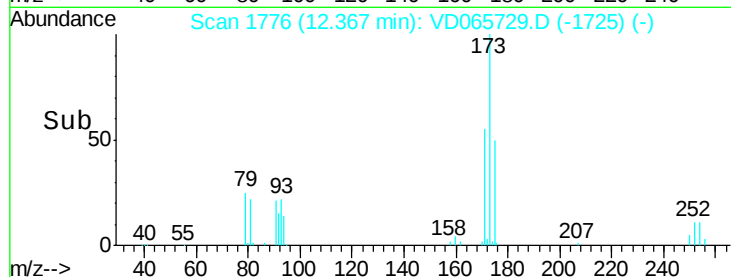
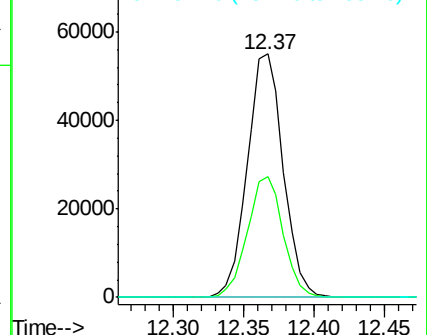
173 100

175 49.1 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: VD065729.D

Acq: 13 May 2020 13:21

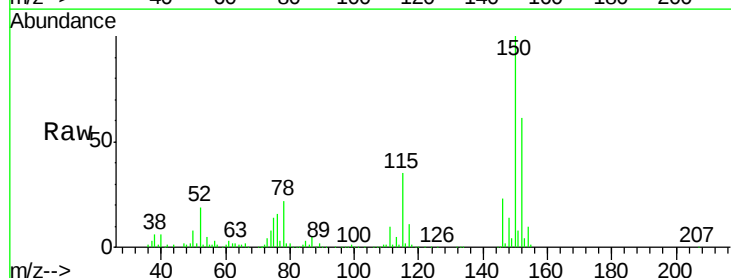
Tgt Ion:152 Resp: 246775

Ion Ratio Lower Upper

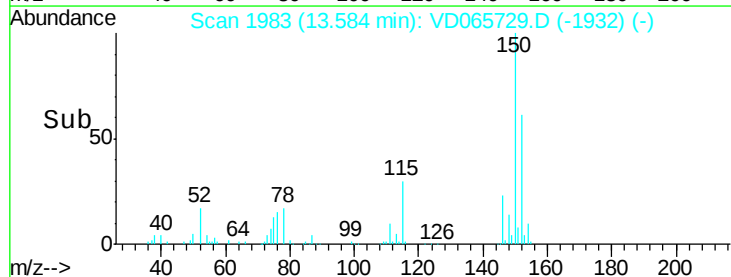
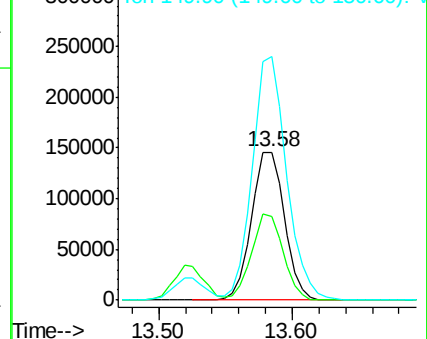
152 100

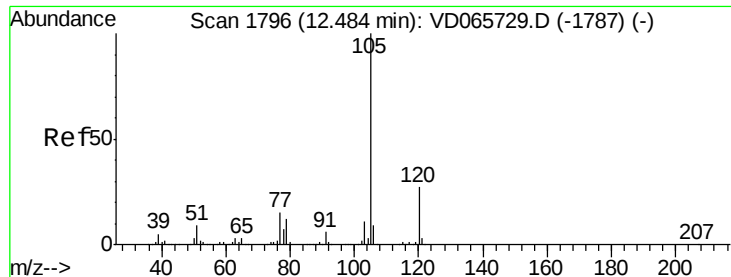
115 56.2 28.1 84.3

150 171.6 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: 42.944 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

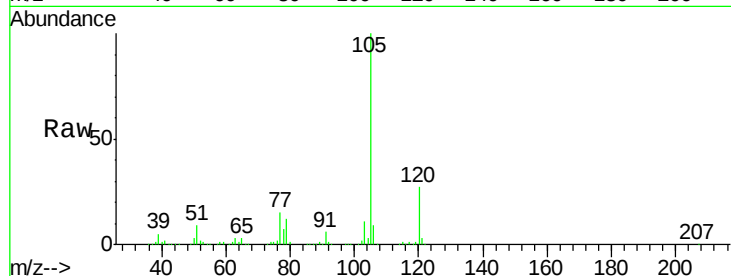
VSTDICCC050

Tot Ion:105 Resp: 785570

Ion Ratio Lower Upper

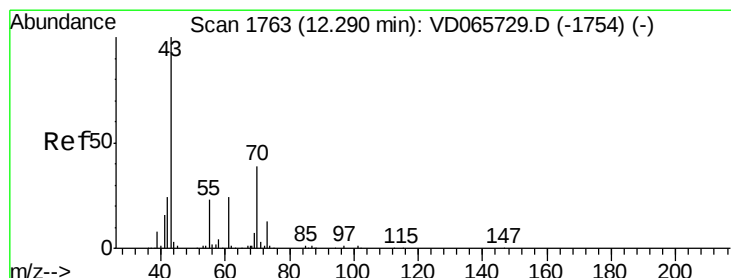
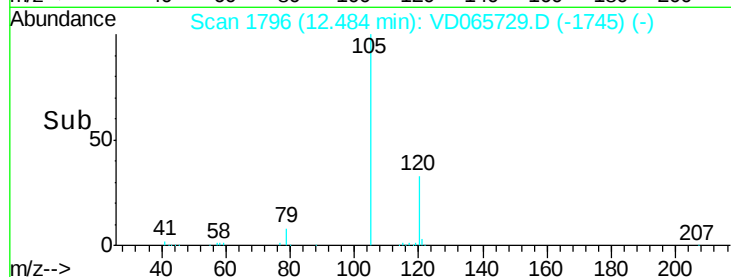
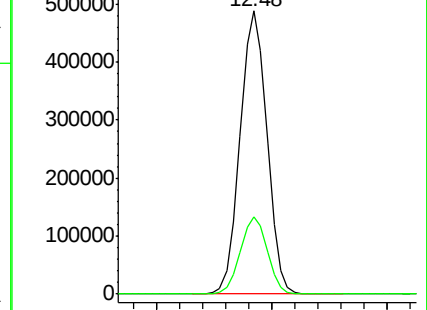
105 100

120 27.3 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: 37.422 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Tgt Ion: 43 Resp: 190097

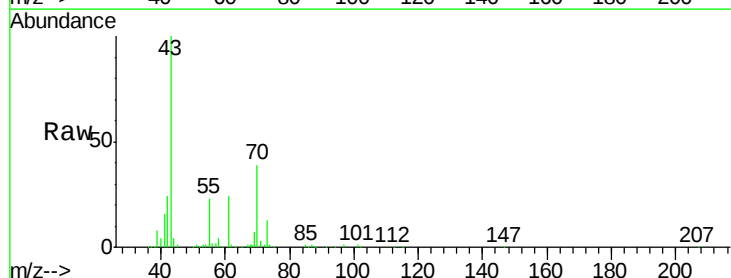
Ion Ratio Lower Upper

43 100

70 39.7 31.8 47.6

55 22.4 17.9 26.9

61 23.8 19.0 28.6

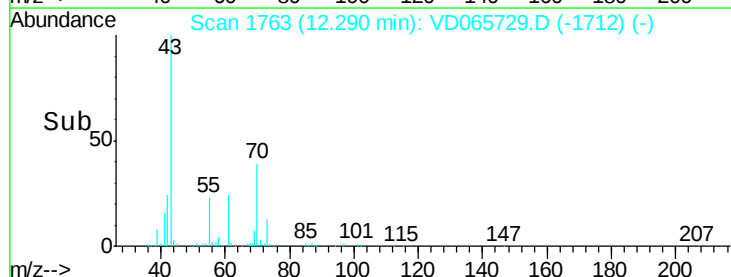
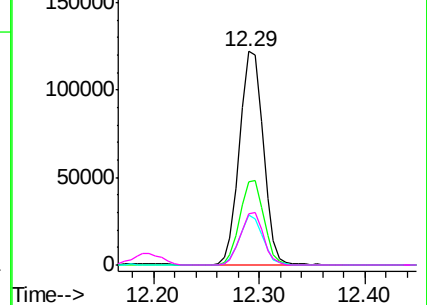


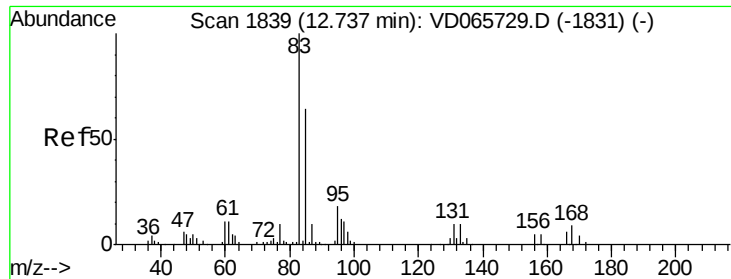
Abundance Ion 43.00 (42.70 to 43.70): V

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: 41.589 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

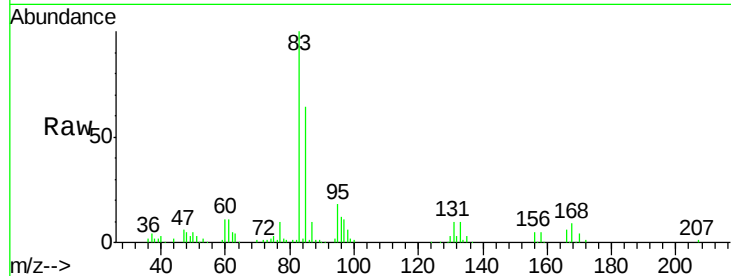
Tot Ion: 83 Resp: 126546

Ion Ratio Lower Upper

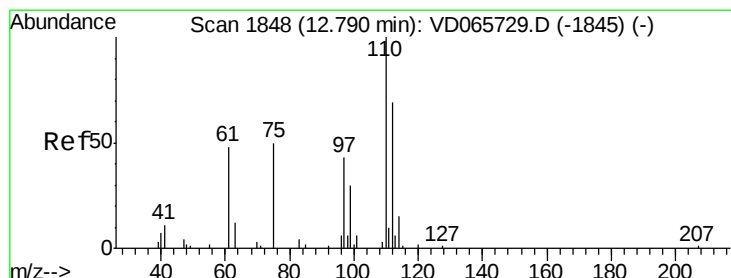
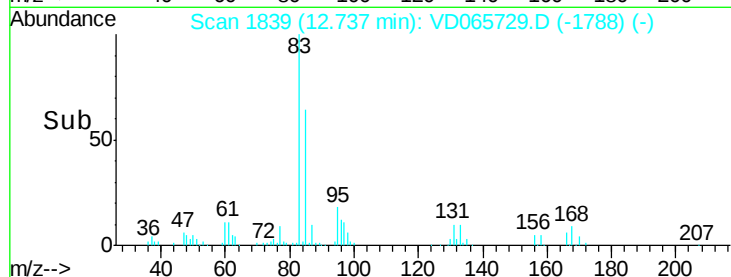
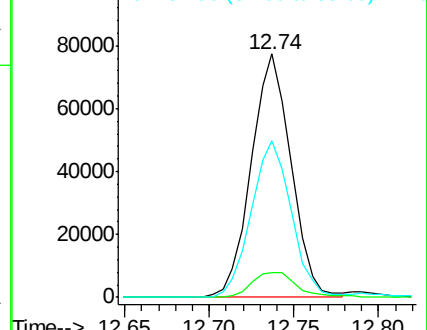
83 100

131 11.7 5.9 17.6

85 64.9 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: 46.901 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065729.D

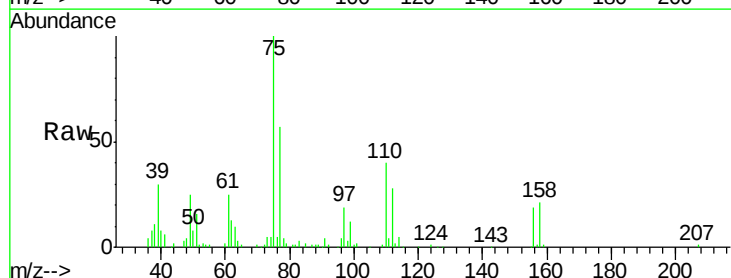
Acq: 13 May 2020 13:21

Tgt Ion: 75 Resp: 96020

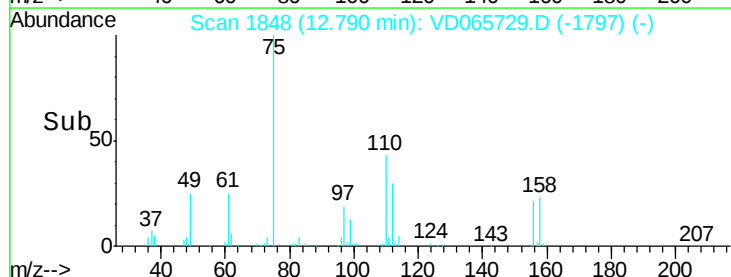
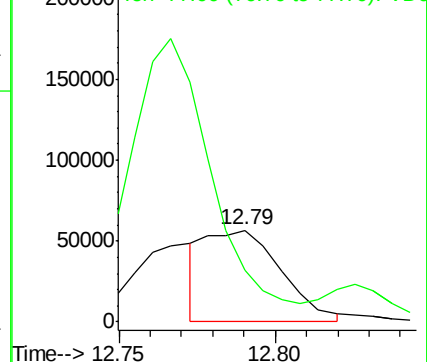
Ion Ratio Lower Upper

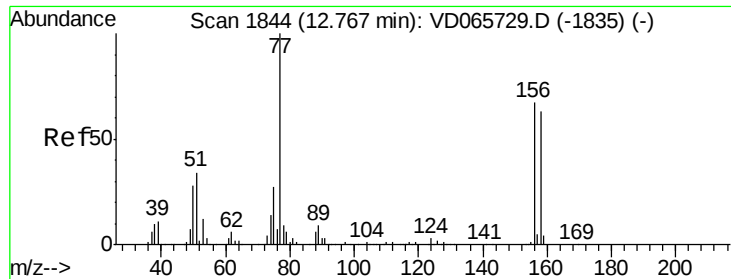
75 100

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: 45.581 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

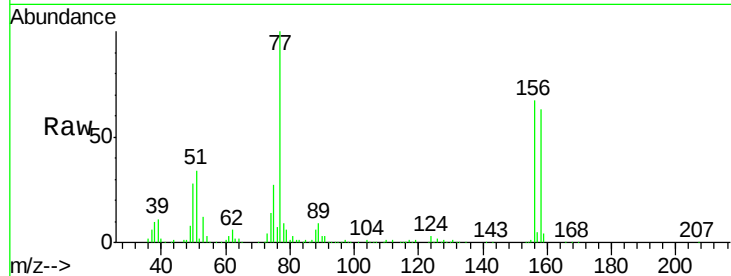
Tot Ion:156 Resp: 192721

Ion Ratio Lower Upper

156 100

77 169.7 84.9 254.6

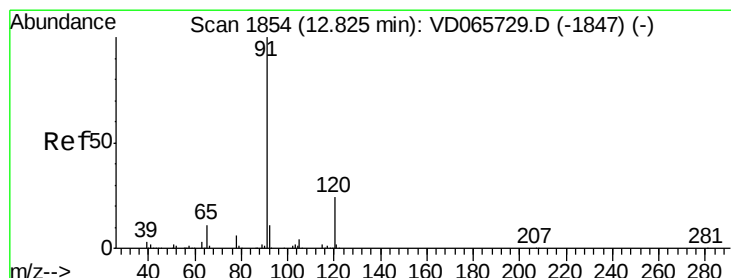
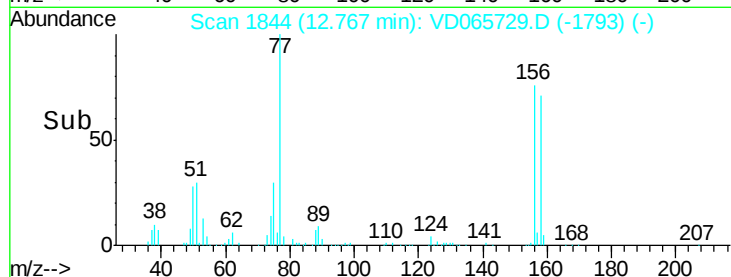
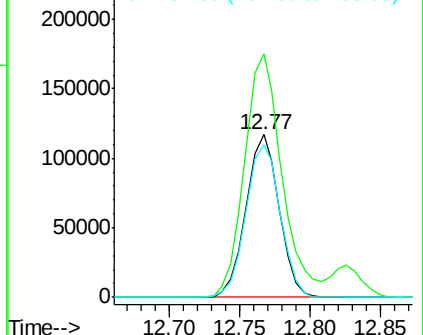
158 97.6 48.8 146.4



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: 42.906 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065729.D

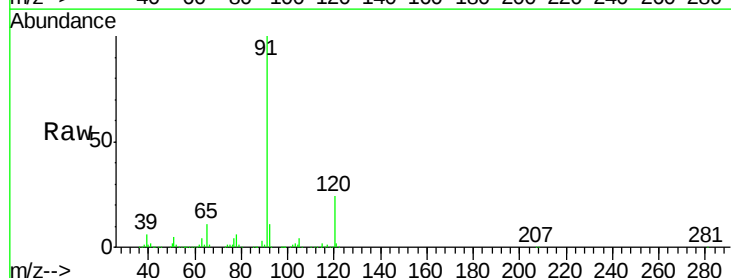
Acq: 13 May 2020 13:21

Tgt Ion: 91 Resp: 921493

Ion Ratio Lower Upper

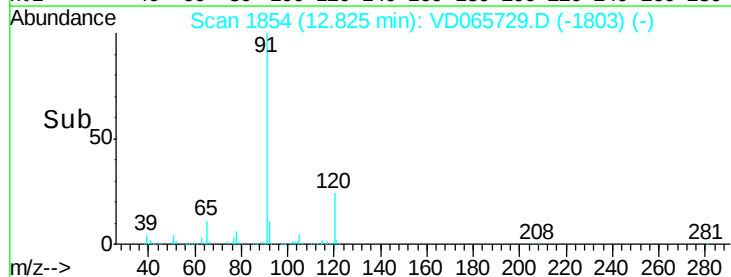
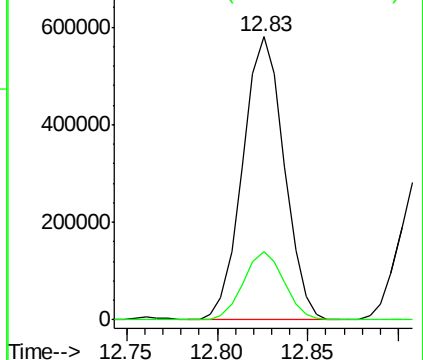
91 100

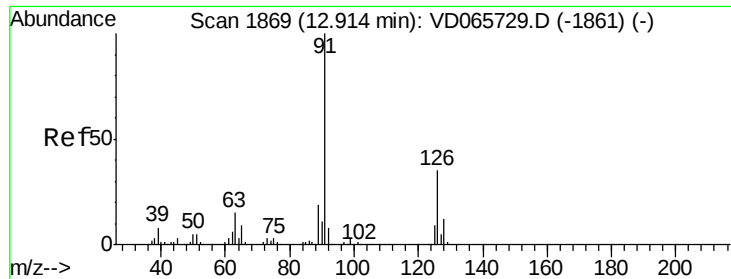
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

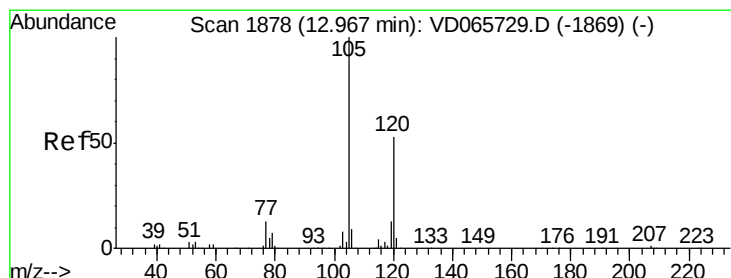
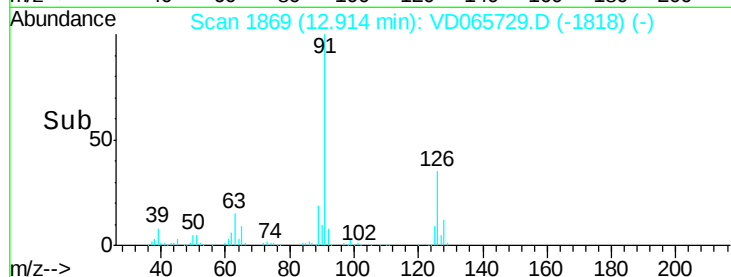
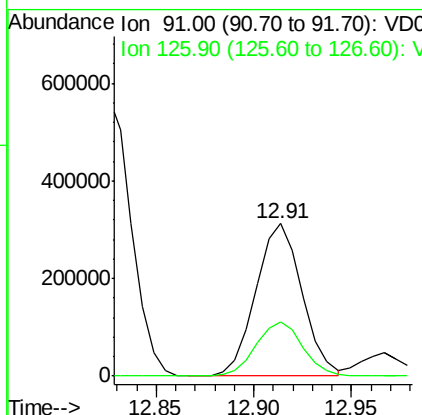
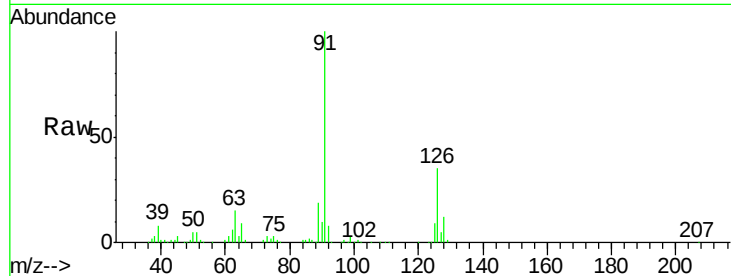




#79
 2-Chlorotoluene
 Concen: 42.193 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

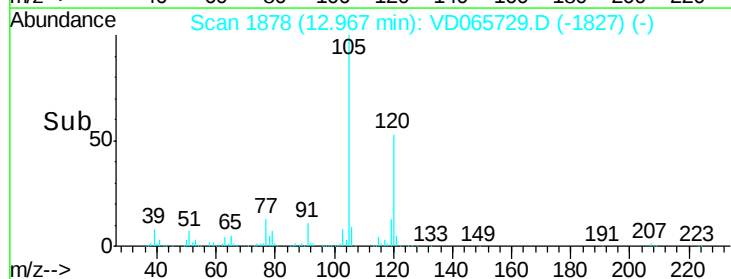
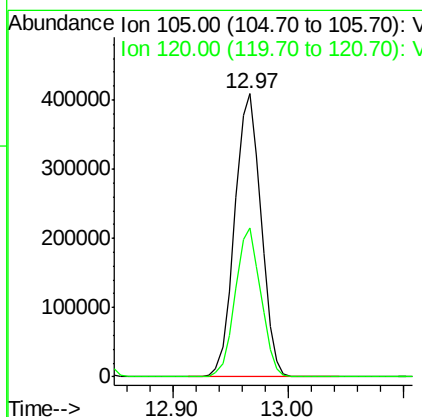
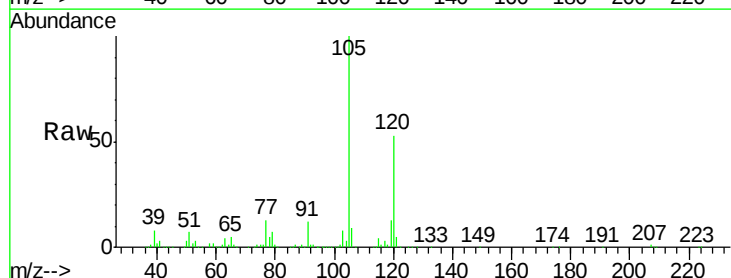
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

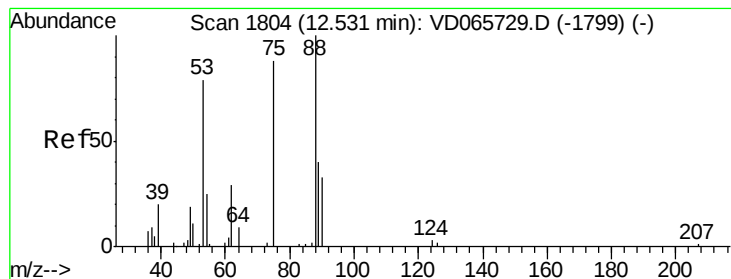
Tot Ion: 91 Resp: 511345
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 42.978 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Tgt Ion: 105 Resp: 643985
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 40.540 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

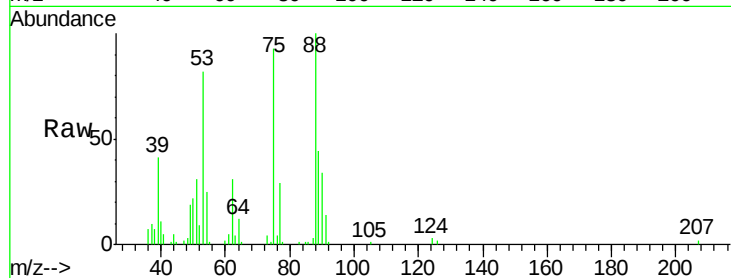
Tot Ion: 75 Resp: 46092

Ion Ratio Lower Upper

75 100

53 90.8 72.6 109.0

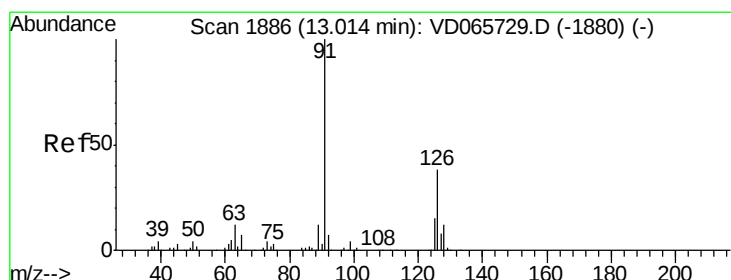
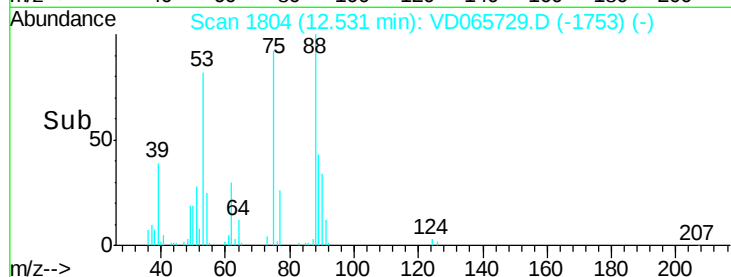
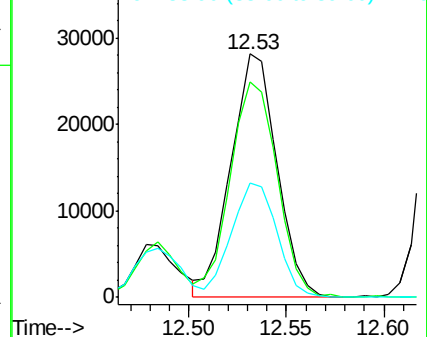
89 46.2 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 42.145 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065729.D

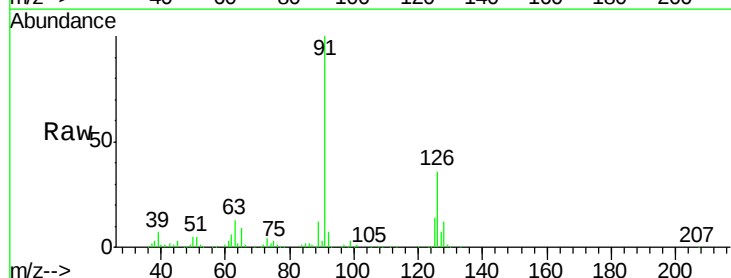
Acq: 13 May 2020 13:21

Tgt Ion: 91 Resp: 535218

Ion Ratio Lower Upper

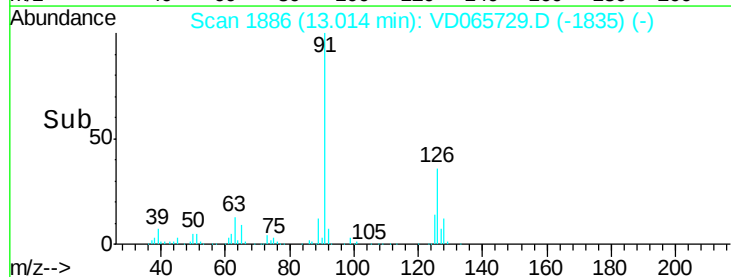
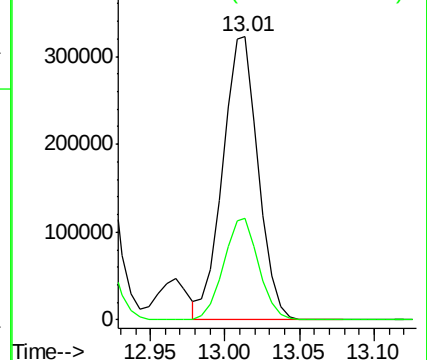
91 100

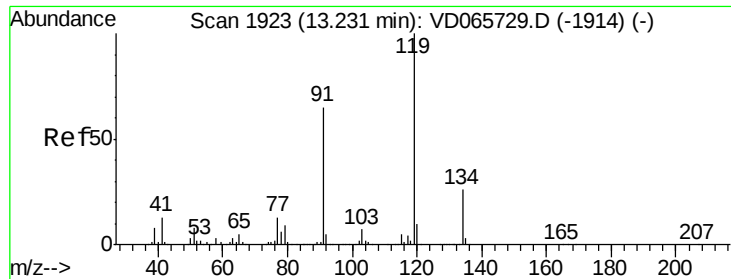
126 35.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

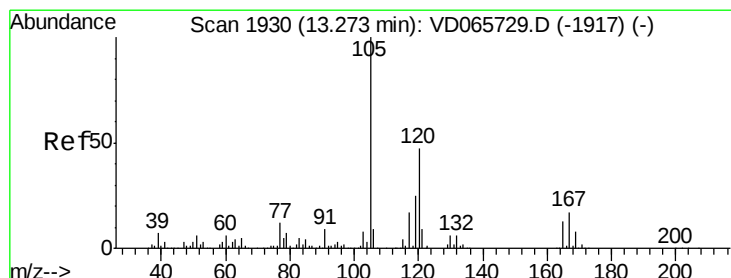
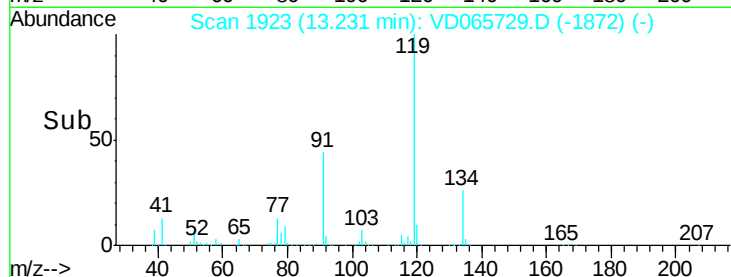
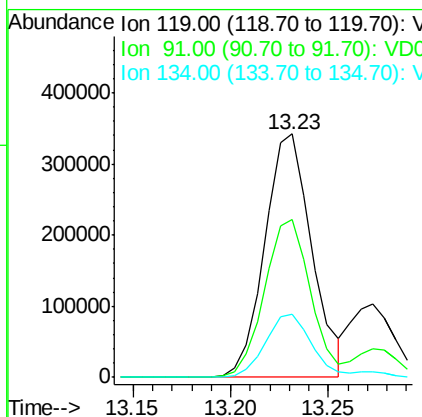
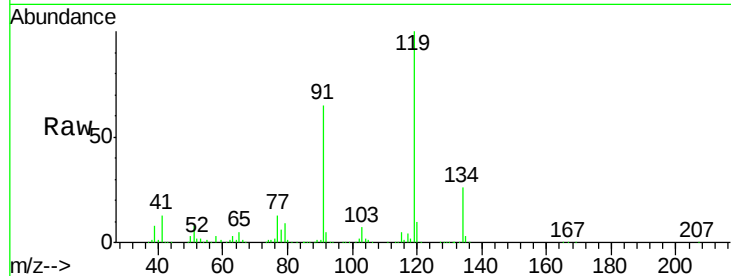




#83
tert-Butylbenzene
Concen: 44.618 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

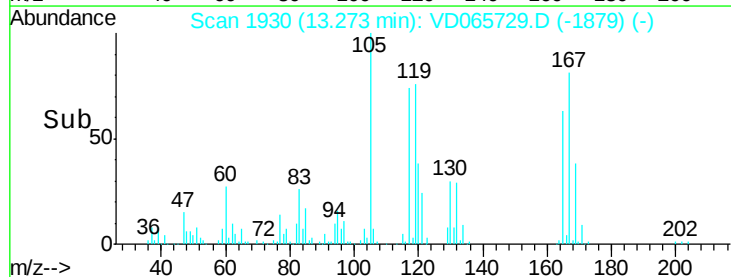
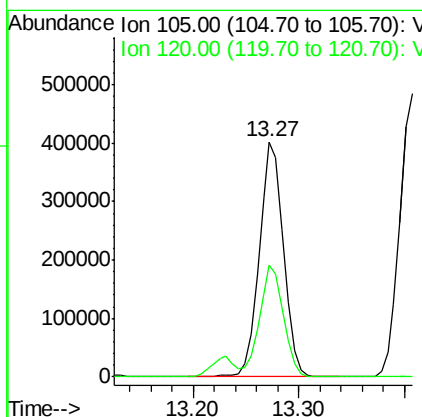
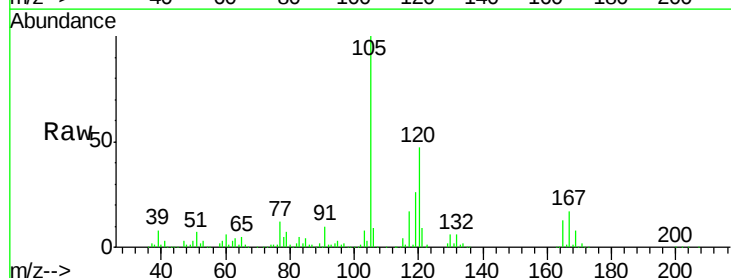
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

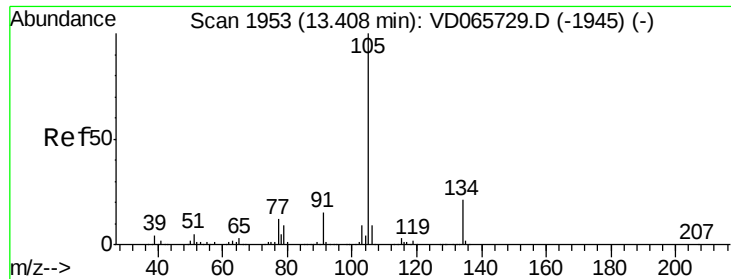
Tot Ion:119 Resp: 573169
Ion Ratio Lower Upper
119 100
91 63.3 31.6 95.0
134 25.4 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 42.869 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion:105 Resp: 640834
Ion Ratio Lower Upper
105 100
120 47.2 23.6 70.8





#85

sec-Butylbenzene

Concen: 43.125 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

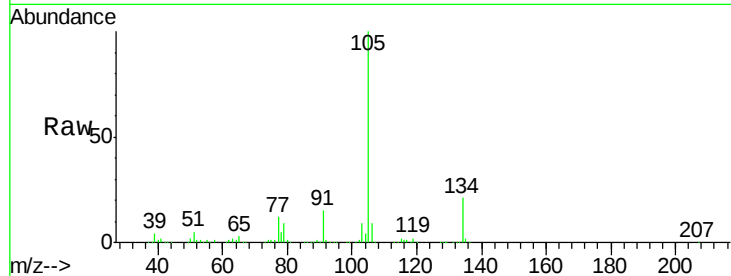
VSTDICCC050

Tot Ion:105 Resp: 771410

Ion Ratio Lower Upper

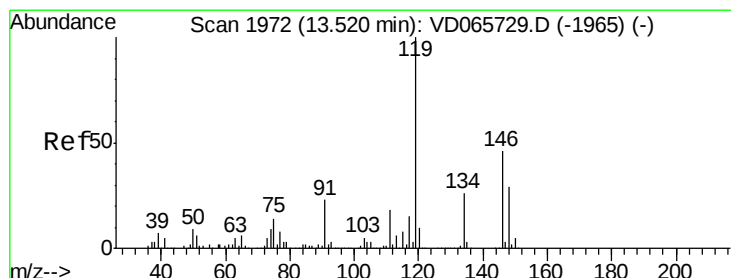
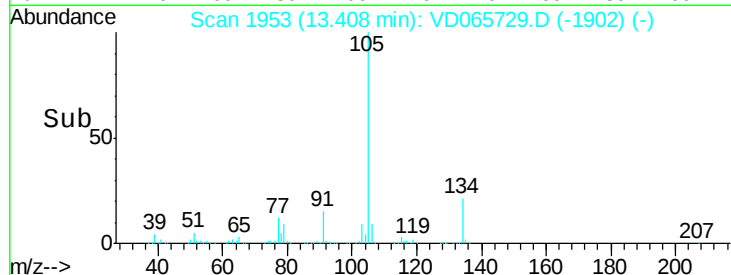
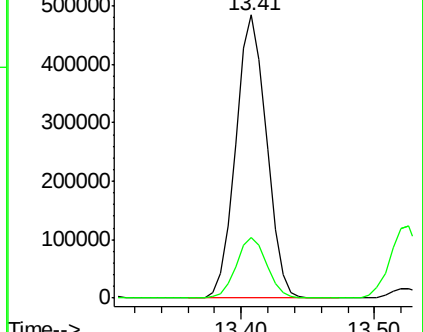
105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.876 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

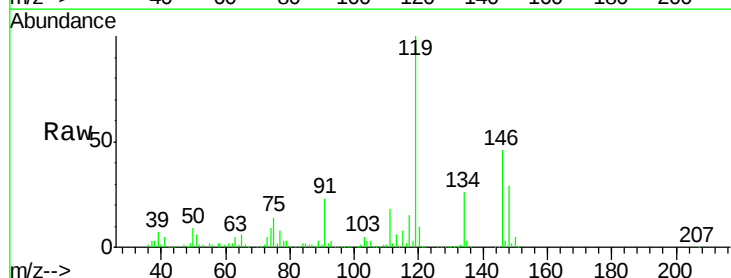
Tgt Ion:119 Resp: 717642

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

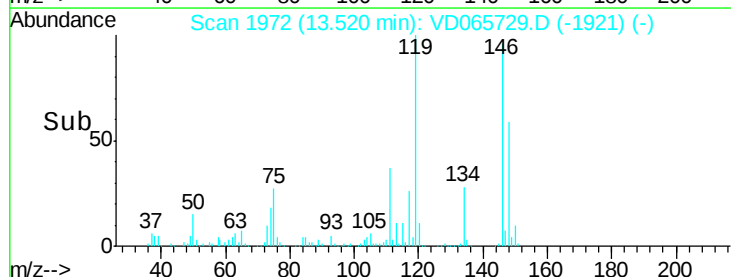
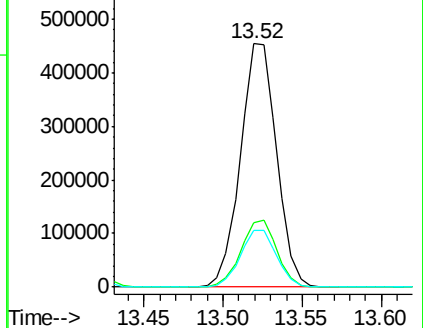
91 23.4 11.7 35.1

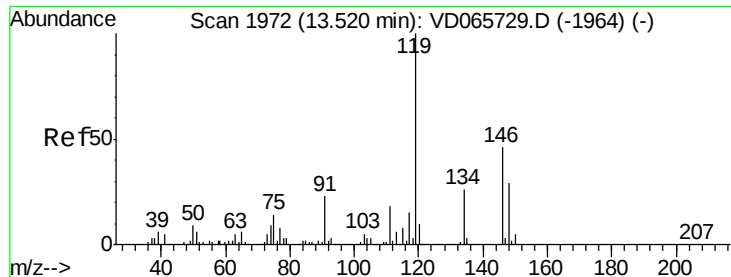


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 44.723 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

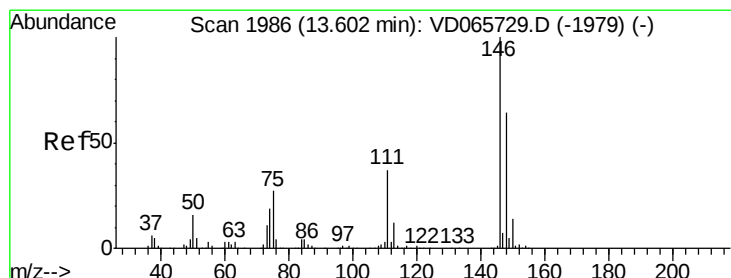
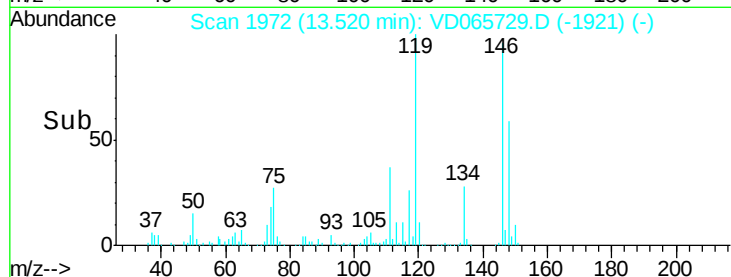
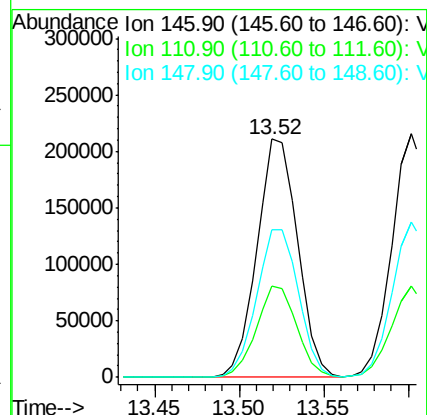
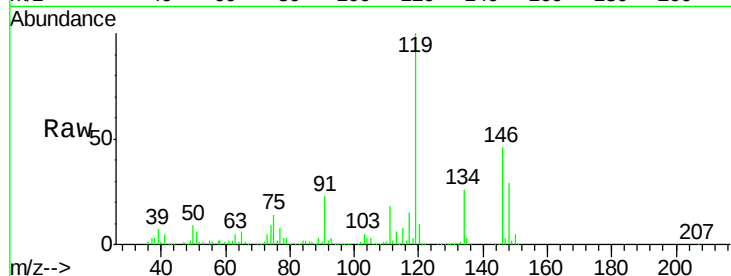
Tot Ion:146 Resp: 354604

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.9

148 63.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 45.326 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

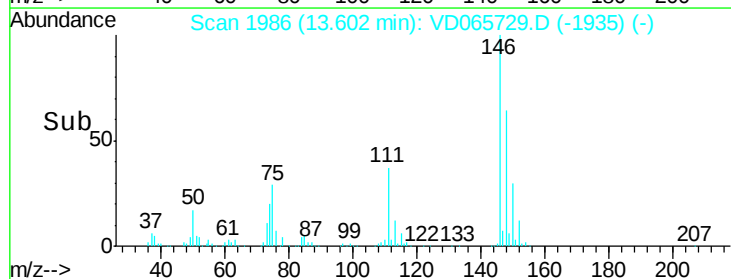
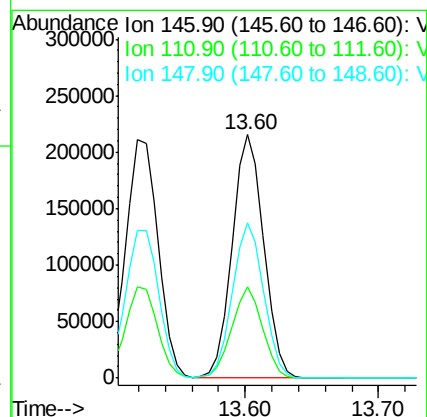
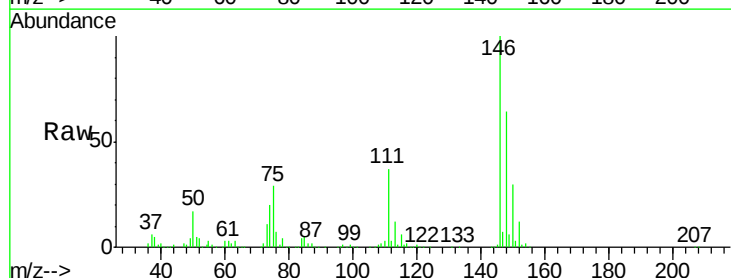
Tgt Ion:146 Resp: 355257

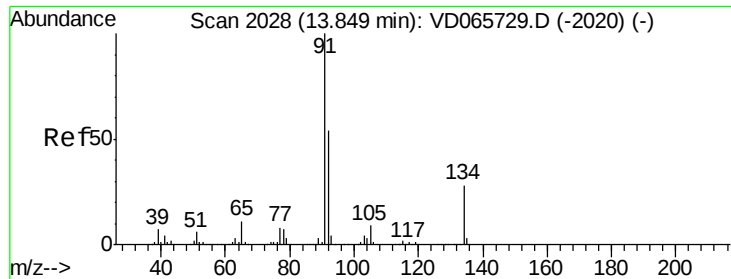
Ion Ratio Lower Upper

146 100

111 36.8 18.4 55.2

148 63.1 31.6 94.7

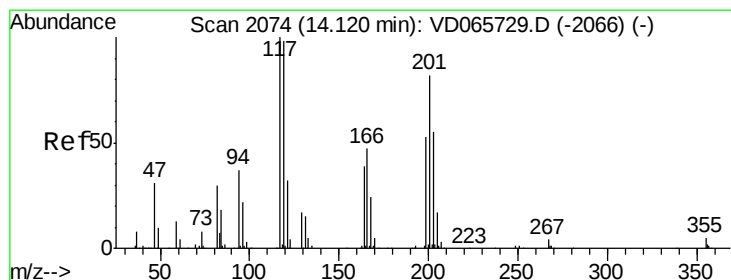
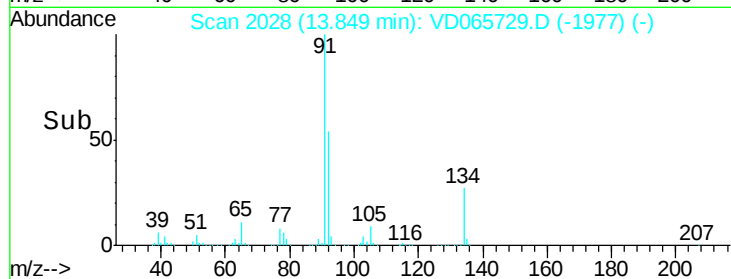
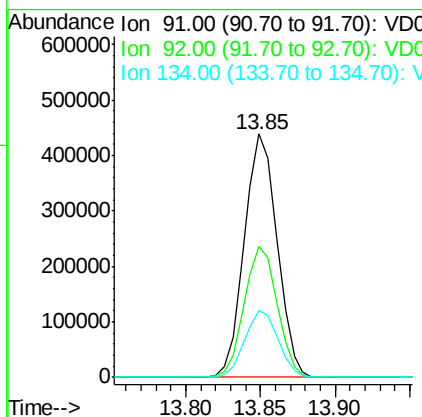
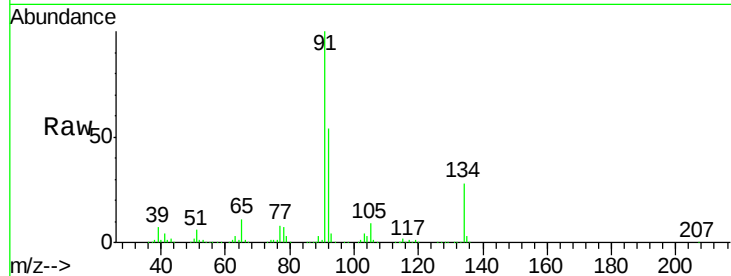




#89
n-Butylbenzene
Concen: 42.342 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

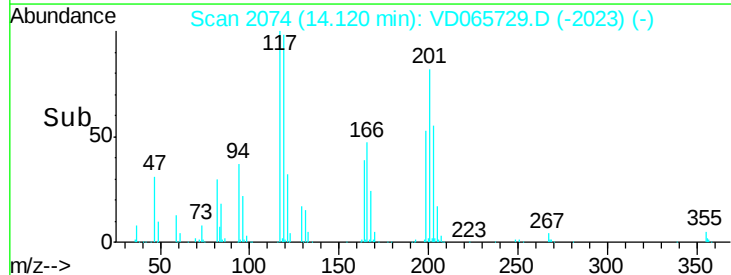
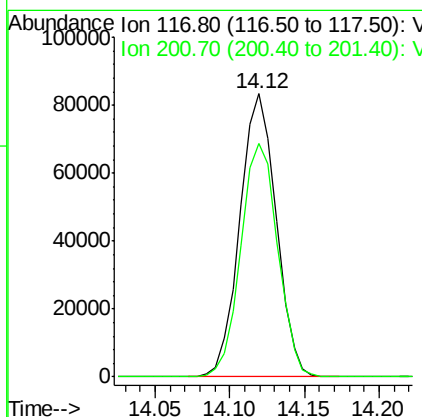
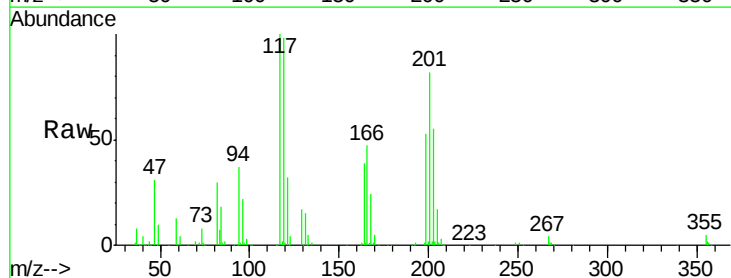
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

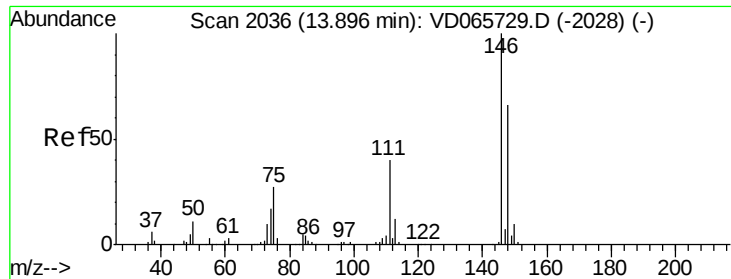
Tot Ion: 91 Resp: 667093
Ion Ratio Lower Upper
91 100
92 54.0 27.0 81.0
134 27.8 13.9 41.7



#90
Hexachloroethane
Concen: 43.286 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065729.D
Acq: 13 May 2020 13:21

Tgt Ion: 117 Resp: 140559
Ion Ratio Lower Upper
117 100
201 83.6 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 44.883 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

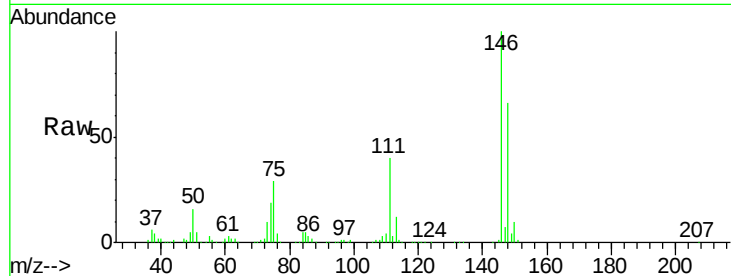
Tot Ion:146 Resp: 306956

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

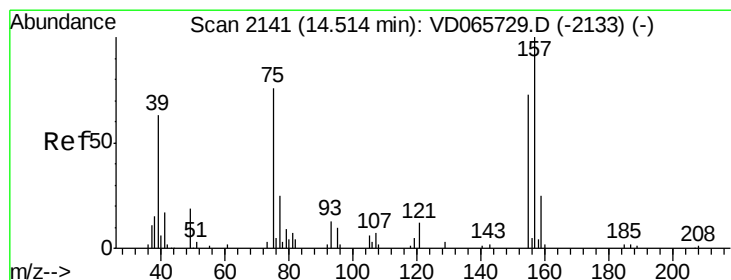
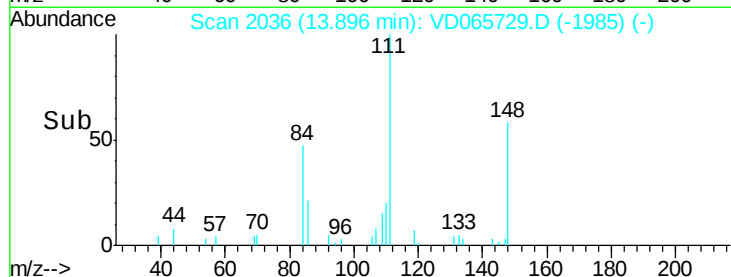
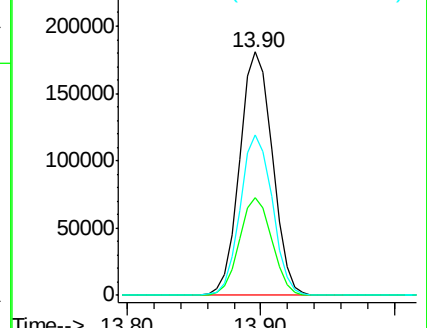
148 64.8 32.4 97.2



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: 39.878 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

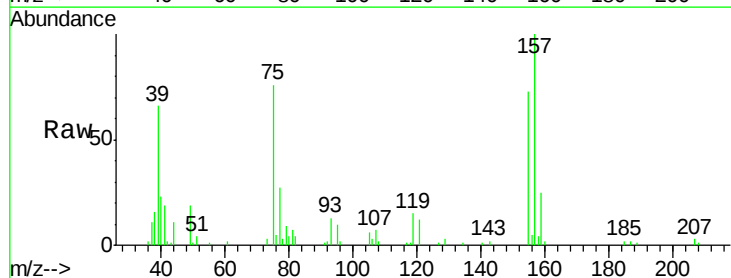
Tgt Ion: 75 Resp: 20198

Ion Ratio Lower Upper

75 100

155 96.7 48.4 145.0

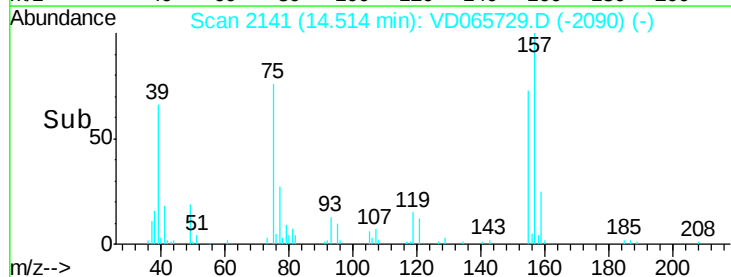
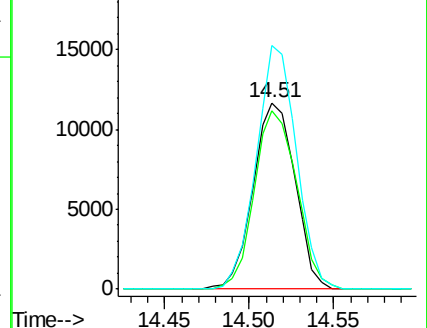
157 125.2 62.6 187.8

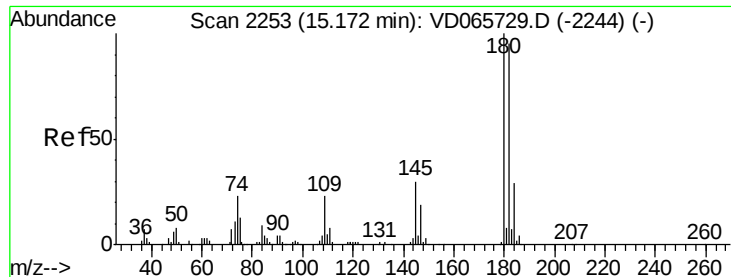


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

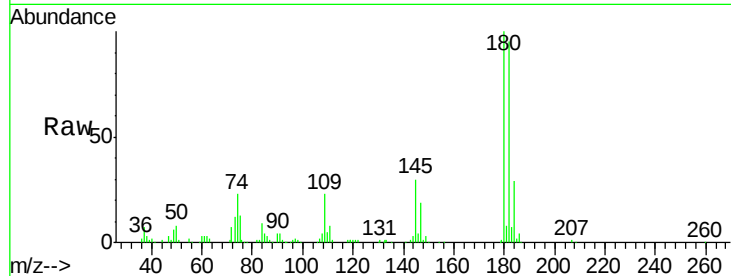




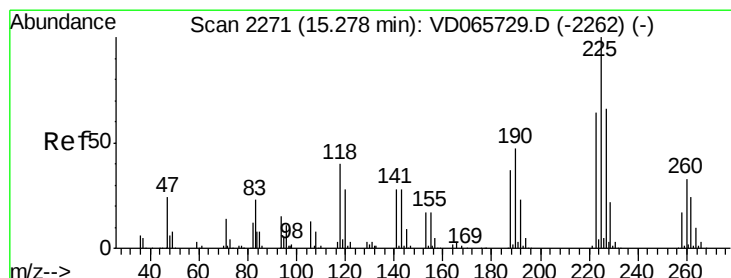
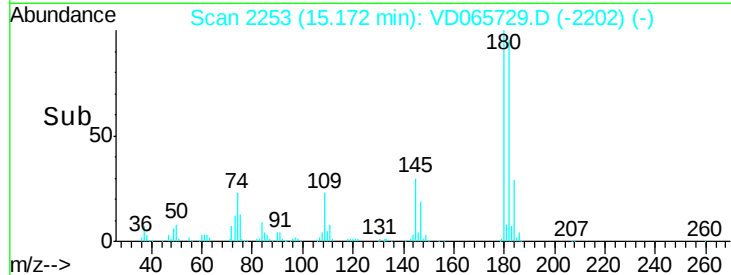
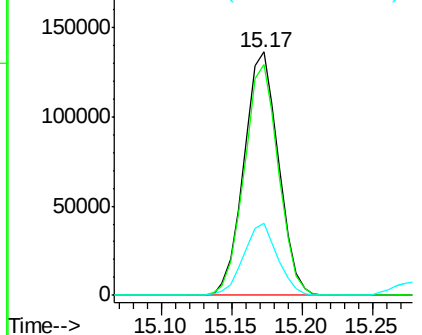
#93
 1,2,4-Trichlorobenzene
 Concen: 45.543 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	29.1	14.5	43.6

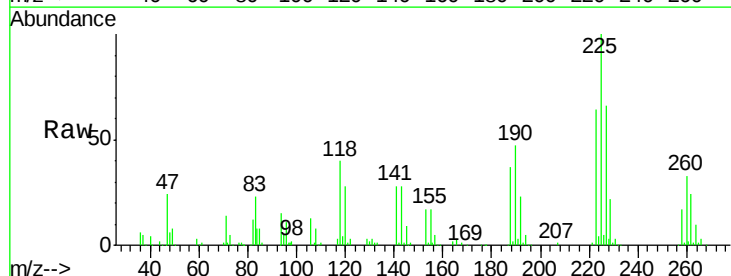


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

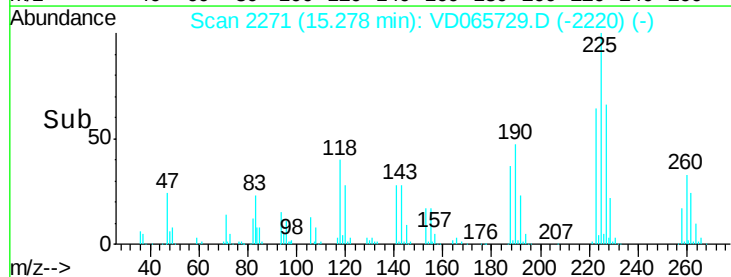
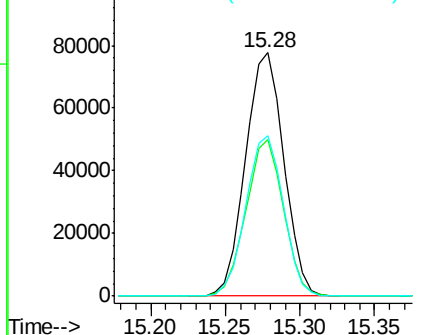


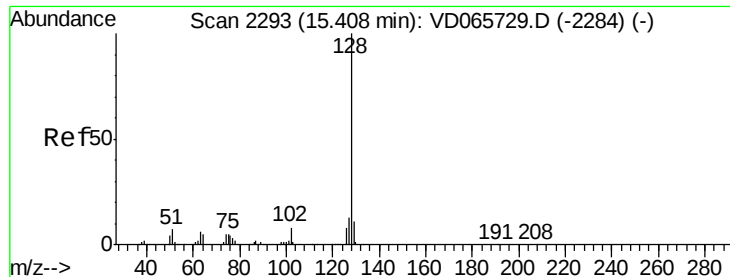
#94
 Hexachlorobutadiene
 Concen: 46.251 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065729.D
 Acq: 13 May 2020 13:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.4	32.2	96.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.784 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

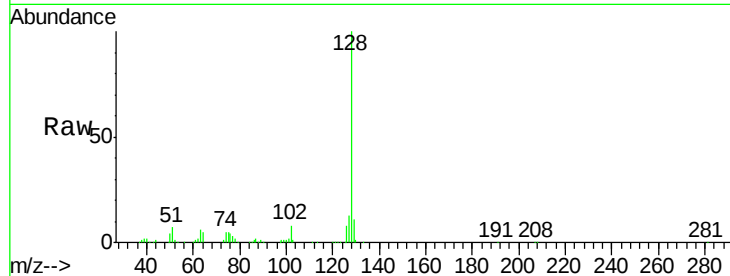
Tot Ion:128 Resp: 391719

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

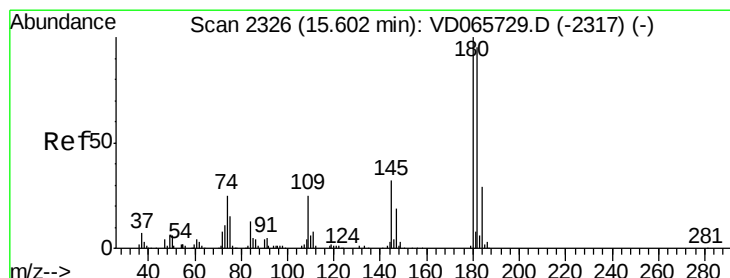
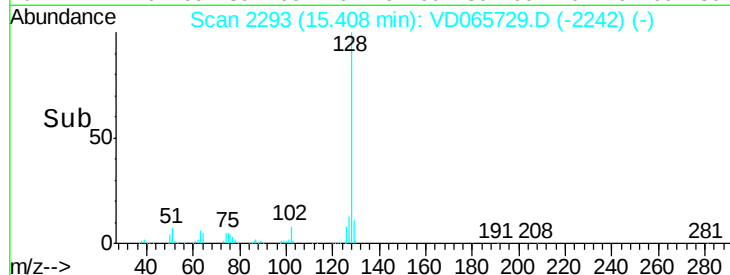
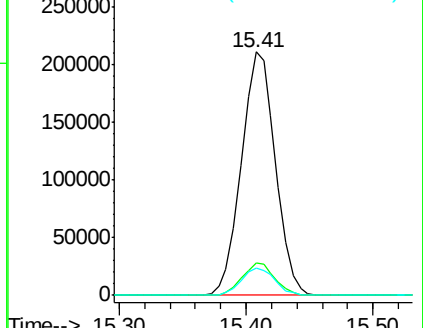
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.466 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065729.D

Acq: 13 May 2020 13:21

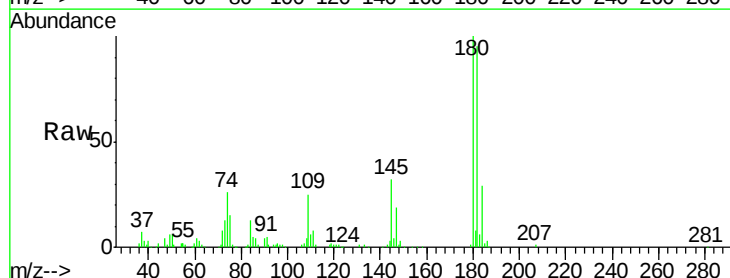
Tgt Ion:180 Resp: 198385

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

145 31.7 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

