

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051320\
 Data File : VD065726.D
 Acq On : 13 May 2020 12:00
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: May 13 13:49:05 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	393169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	511352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	17407	4.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.24%	
35) Dibromofluoromethane	7.91	113	17847	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
50) Toluene-d8	10.34	98	69528	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
62) 4-Bromofluorobenzene	12.64	95	23477	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	15205	5.063	ug/l	96
3) Chloromethane	2.21	50	21602	5.609	ug/l	100
4) Vinyl Chloride	2.35	62	21920	5.578	ug/l	98
5) Bromomethane	2.77	94	15409	6.160	ug/l	89
6) Chloroethane	2.92	64	13917	5.471	ug/l	98
7) Trichlorofluoromethane	3.27	101	29913	4.859	ug/l	96
8) Diethyl Ether	3.71	74	7805	4.084	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.10	101	18033	4.827	ug/l	98
10) Methyl Iodide	4.29	142	15789	4.277	ug/l	96
11) Tert butyl alcohol	5.20	59	17409	51.057	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	16700	4.558	ug/l	95
13) Acrolein	3.92	56	6130	20.286	ug/l	98
14) Allyl chloride	4.72	41	30109	4.199	ug/l	98
15) Acrylonitrile	5.42	53	17984	20.265	ug/l	97
16) Acetone	4.17	43	18241	22.951	ug/l #	85
17) Carbon Disulfide	4.41	76	55892	4.688	ug/l	97
18) Methyl Acetate	4.72	43	10483	5.274	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	39676	4.525	ug/l	91
20) Methylene Chloride	4.96	84	22733	5.522	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	20537	4.888	ug/l	86
22) Diisopropyl ether	6.36	45	55216	4.148	ug/l	95
23) Vinyl Acetate	6.31	43	130539	16.292	ug/l	100
24) 1,1-Dichloroethane	6.26	63	32569	4.414	ug/l	99
25) 2-Butanone	7.22	43	25626	21.672	ug/l	94
26) 2,2-Dichloropropane	7.21	77	31636	4.738	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	21915	4.821	ug/l	98
28) Bromochloromethane	7.56	49	12581	4.085	ug/l	92
29) Tetrahydrofuran	7.57	42	15540	20.347	ug/l	96
30) Chloroform	7.71	83	32787	4.590	ug/l	96
31) Cyclohexane	7.98	56	38260	5.020	ug/l #	77
32) 1,1,1-Trichloroethane	7.90	97	30384	4.570	ug/l	97
36) 1,1-Dichloropropene	8.11	75	27403	4.890	ug/l	98
37) Ethyl Acetate	7.30	43	11565	4.378	ug/l #	94
38) Carbon Tetrachloride	8.10	117	28963	5.159	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051320\
 Data File : VD065726.D
 Acq On : 13 May 2020 12:00
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: May 13 13:49:05 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)
39) Methylcyclohexane	9.36	83	35695	5.081	ug/l	97
40) Benzene	8.36	78	74204	4.842	ug/l	99
41) Methacrylonitrile	7.53	41	7239	4.690	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	20154	4.583	ug/l	97
43) Isopropyl Acetate	8.46	43	22953	4.343	ug/l	99
44) Trichloroethene	9.11	130	22366	5.229	ug/l	96
45) 1,2-Dichloropropane	9.39	63	17718	4.507	ug/l	99
46) Dibromomethane	9.47	93	9708	4.878	ug/l	97
47) Bromodichloromethane	9.67	83	25137	4.723	ug/l	93
48) Methyl methacrylate	9.46	41	9043	3.424	ug/l #	85
49) 1,4-Dioxane	9.46	88	2342	96.863	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	53254	20.897	ug/l	100
52) Toluene	10.41	92	47715	4.897	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	24362	4.551	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	28307	4.464	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	13001	4.847	ug/l	92
56) Ethyl methacrylate	10.67	69	16329	4.264	ug/l	92
57) 1,3-Dichloropropane	10.95	76	23043	4.796	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	40558	22.885	ug/l	99
59) 2-Hexanone	10.98	43	36863	21.113	ug/l	98
60) Dibromochloromethane	11.14	129	16959	4.669	ug/l	98
61) 1,2-Dibromoethane	11.25	107	13298	4.927	ug/l	100
64) Tetrachloroethene	10.88	164	19931	5.536	ug/l	92
65) Chlorobenzene	11.67	112	51546	5.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	19127	5.057	ug/l	99
67) Ethyl Benzene	11.75	91	90334	4.797	ug/l	97
68) m/p-Xylenes	11.86	106	68719	9.751	ug/l	97
69) o-Xylene	12.18	106	32247	4.902	ug/l	96
70) Styrene	12.20	104	53240	4.718	ug/l	99
71) Bromoform	12.36	173	9522	4.469	ug/l #	92
73) Isopropylbenzene	12.48	105	88537	4.786	ug/l	100
74) N-amyl acetate	12.30	43	19403	3.777	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	13999	4.550	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	19231	9.290	ug/l #	100
77) Bromobenzene	12.77	156	21002	4.912	ug/l	98
78) n-propylbenzene	12.83	91	105521	4.859	ug/l	98
79) 2-Chlorotoluene	12.91	91	57006	4.652	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	72815	4.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	4841	4.211	ug/l	93
82) 4-Chlorotoluene	13.01	91	61697	4.805	ug/l	98
83) tert-Butylbenzene	13.23	119	65292	5.026	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	72227	4.778	ug/l	100
85) sec-Butylbenzene	13.41	105	88642	4.901	ug/l	99
86) p-Isopropyltoluene	13.52	119	80591	4.873	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	40686	5.075	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	41659	5.256	ug/l	96
89) n-Butylbenzene	13.85	91	77045	4.836	ug/l	99
90) Hexachloroethane	14.12	117	16043	4.886	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	34582	5.001	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2432	4.749	ug/l	95

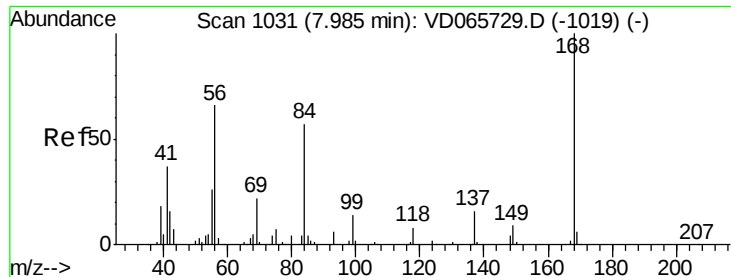
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051320\
Data File : VD065726.D
Acq On : 13 May 2020 12:00
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: May 13 13:49:05 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)
93) 1,2,4-Trichlorobenzene	15.17	180	26855	5.177	ug/l	99
94) Hexachlorobutadiene	15.28	225	16204	5.371	ug/l	99
95) Naphthalene	15.41	128	43135	4.768	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	22243	5.041	ug/l	97

(#) = 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: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

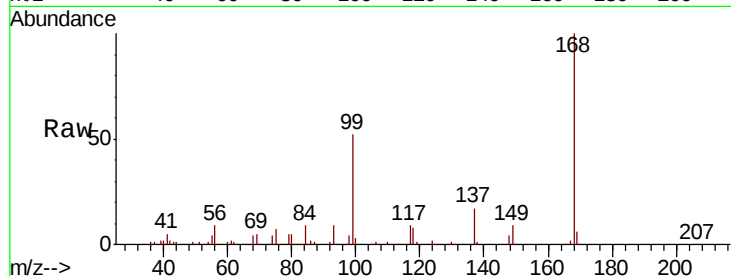
VSTDIC005

Tot Ion:168 Resp: 393169

Ion Ratio Lower Upper

168 100

99 51.4 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

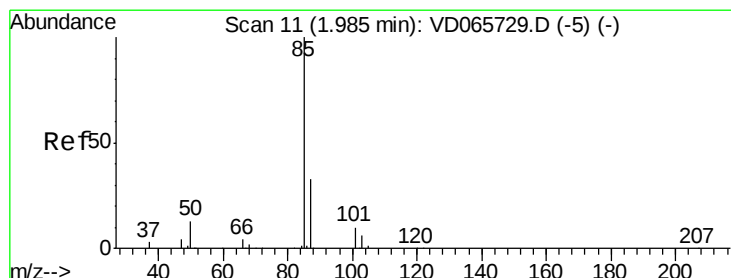
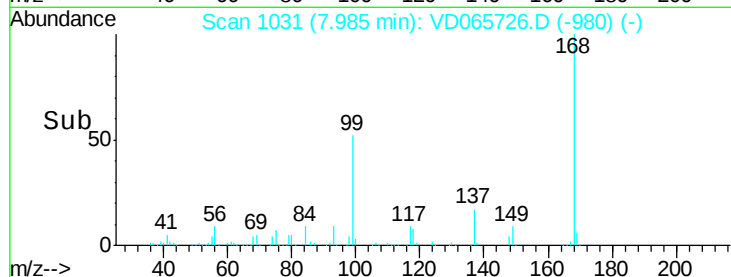
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.063 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065726.D

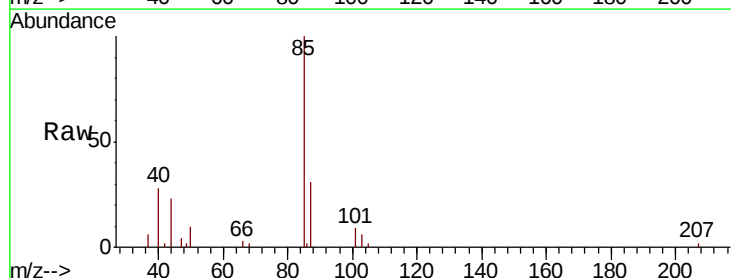
Acq: 13 May 2020 12:00

Tgt Ion: 85 Resp: 15205

Ion Ratio Lower Upper

85 100

87 30.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

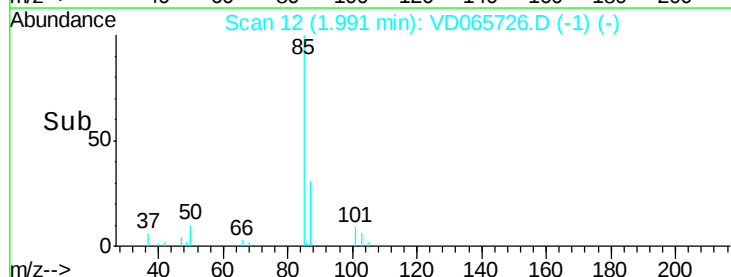
1.99

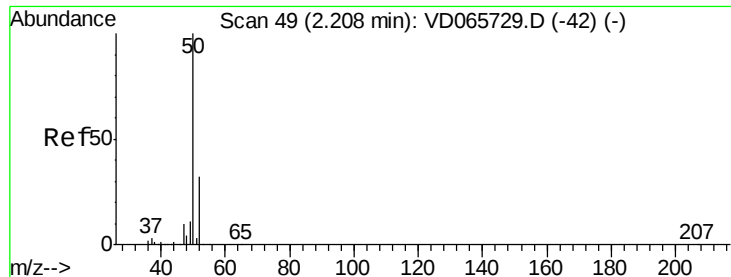
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.609 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

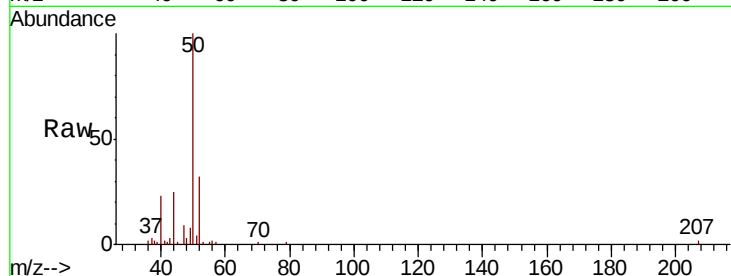
VSTDIC005

Tot Ion: 50 Resp: 21602

Ion Ratio Lower Upper

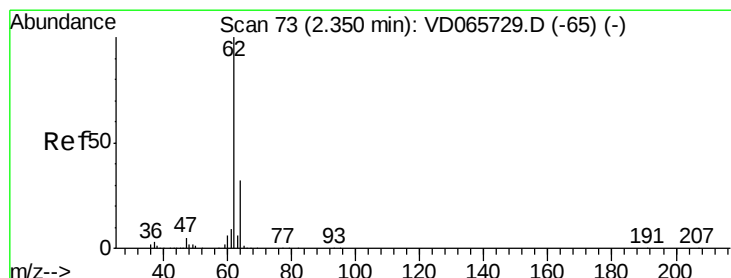
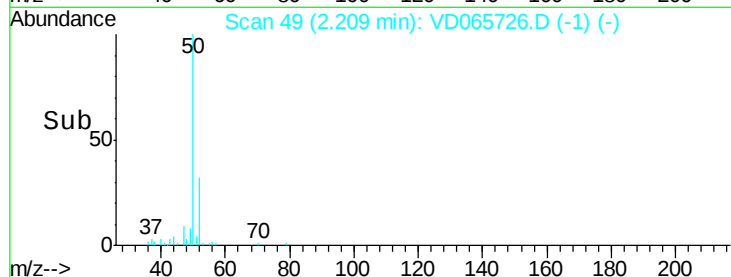
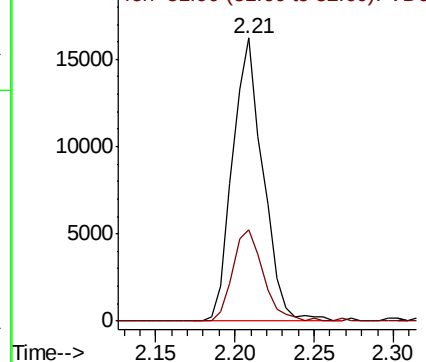
50 100

52 32.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.578 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065726.D

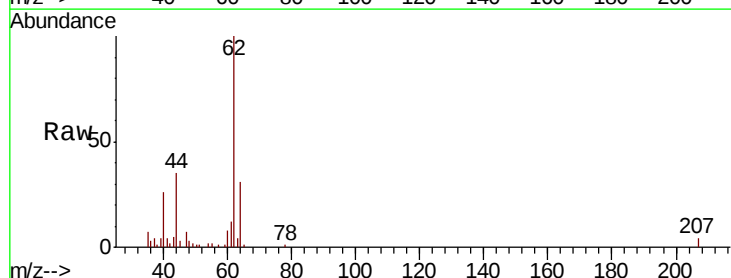
Acq: 13 May 2020 12:00

Tgt Ion: 62 Resp: 21920

Ion Ratio Lower Upper

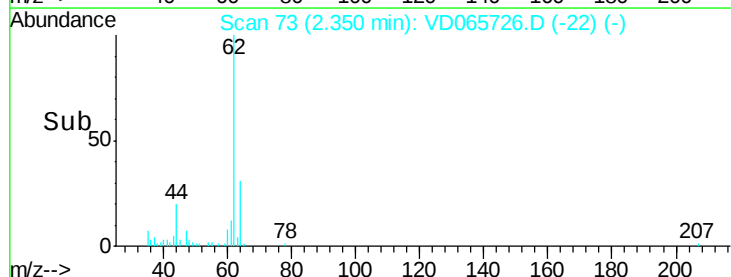
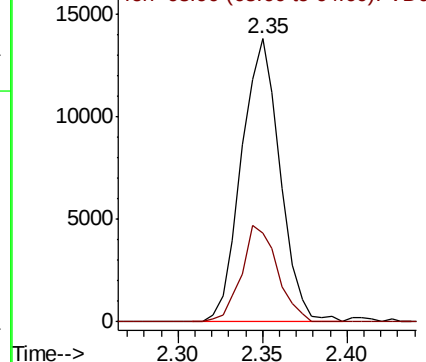
62 100

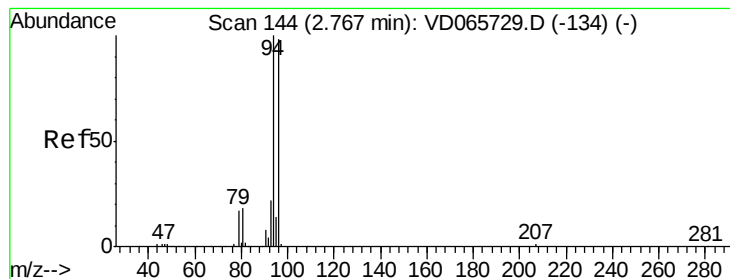
64 31.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 6.160 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

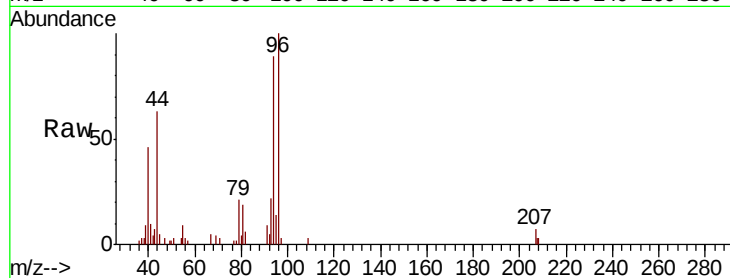
VSTDIC005

Tot Ion: 94 Resp: 15409

Ion Ratio Lower Upper

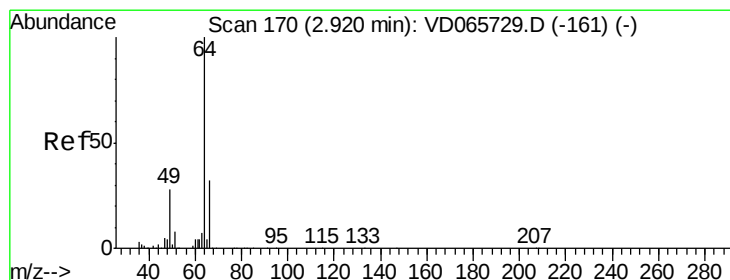
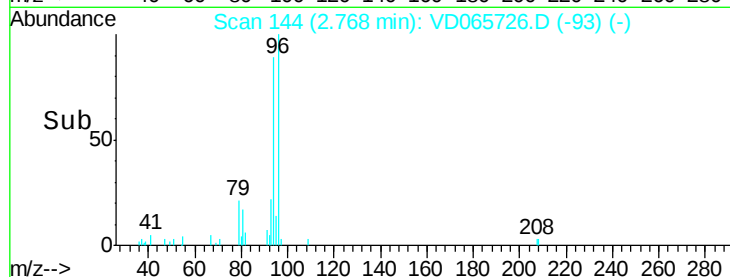
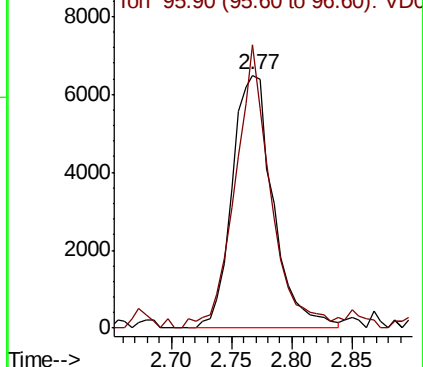
94 100

96 108.2 78.1 117.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.471 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065726.D

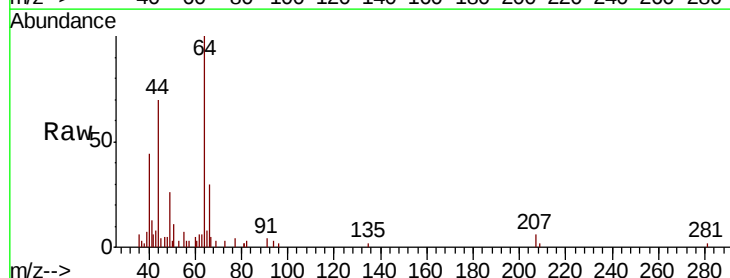
Acq: 13 May 2020 12:00

Tgt Ion: 64 Resp: 13917

Ion Ratio Lower Upper

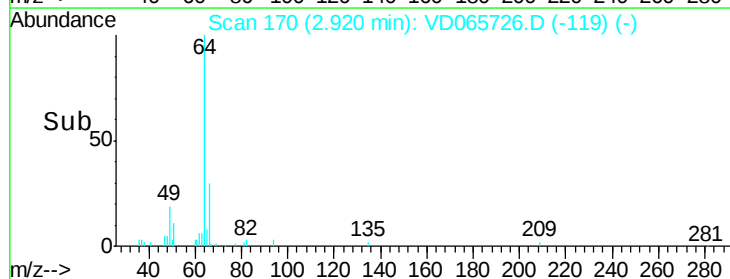
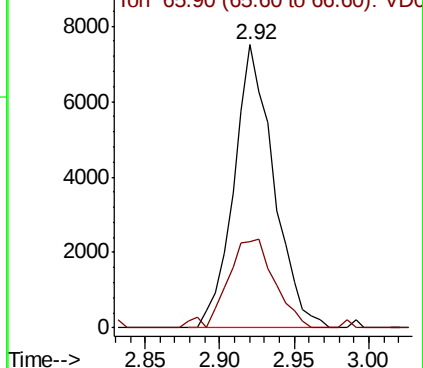
64 100

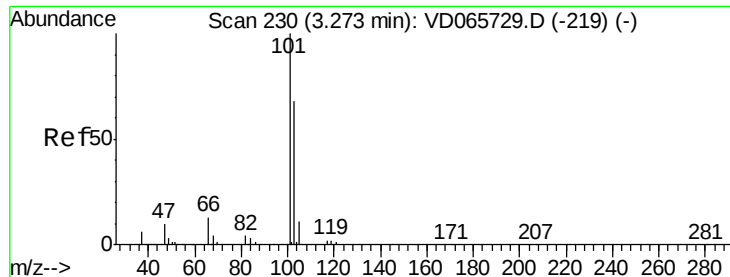
66 30.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 4.859 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

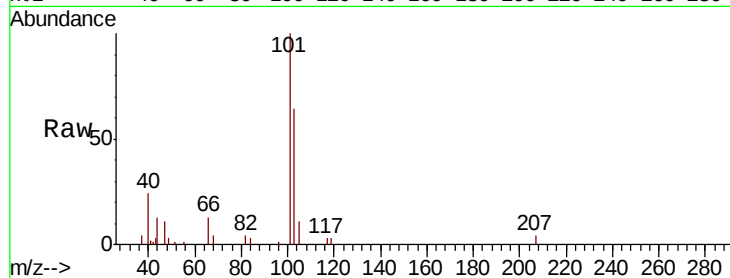
VSTDIC005

Tot Ion:101 Resp: 29913

Ion Ratio Lower Upper

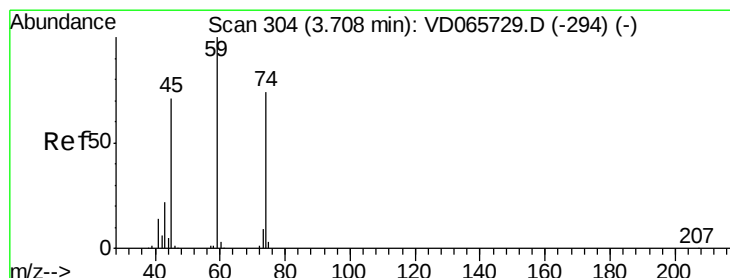
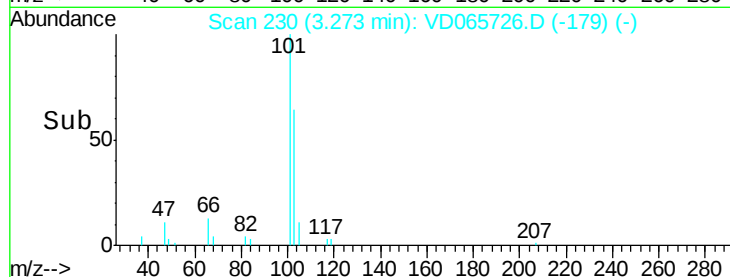
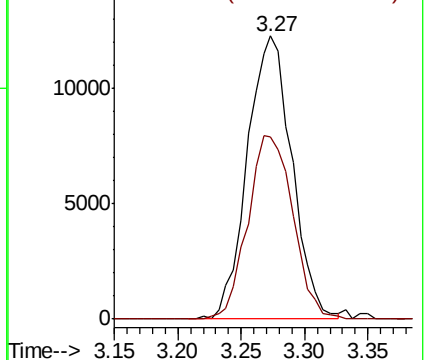
101 100

103 64.2 54.1 81.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 4.084 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD065726.D

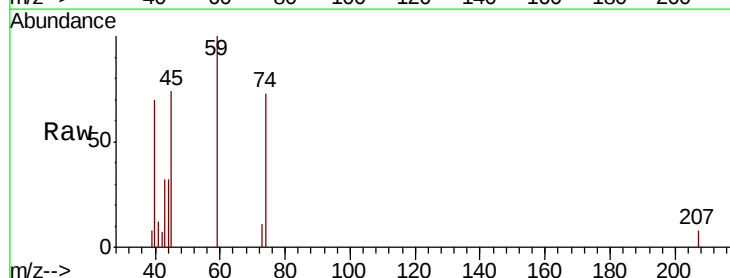
Acq: 13 May 2020 12:00

Tgt Ion: 74 Resp: 7805

Ion Ratio Lower Upper

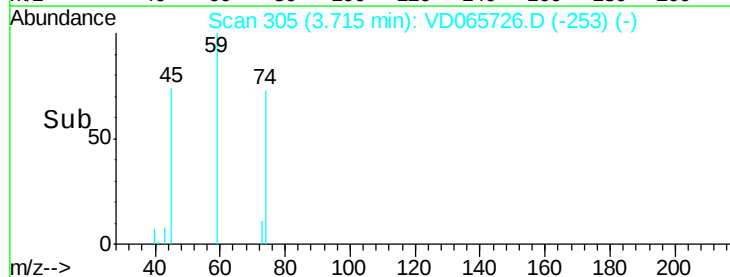
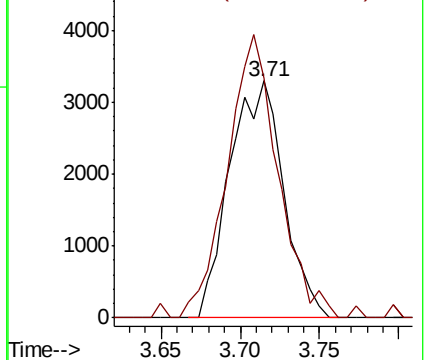
74 100

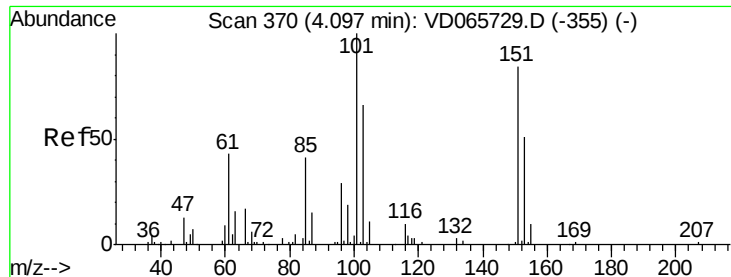
45 112.1 48.1 144.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.827 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

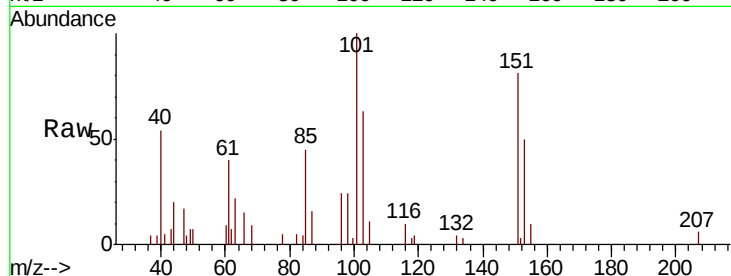
Tot Ion:101 Resp: 18033

Ion Ratio Lower Upper

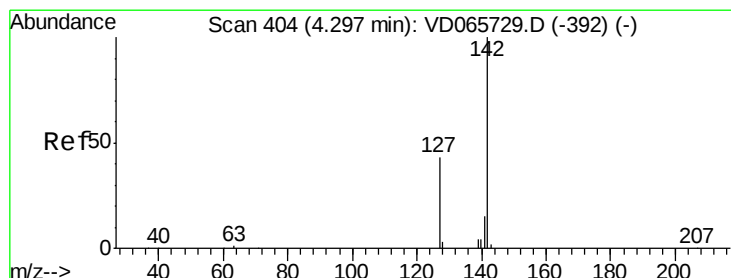
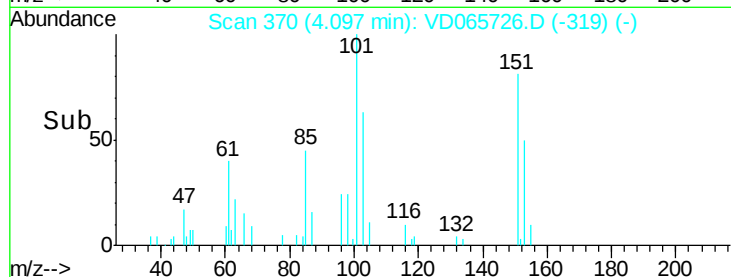
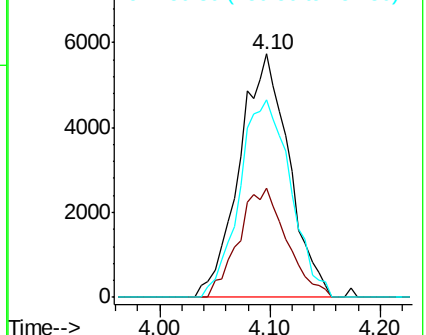
101 100

85 43.5 34.1 51.1

151 83.6 65.1 97.7



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VD
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.277 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

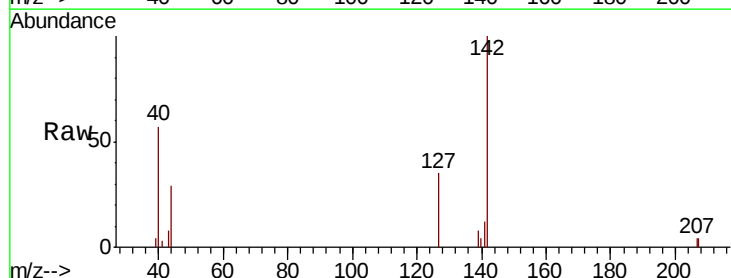
Tgt Ion:142 Resp: 15789

Ion Ratio Lower Upper

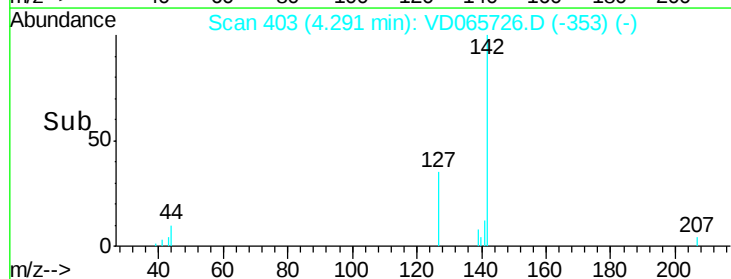
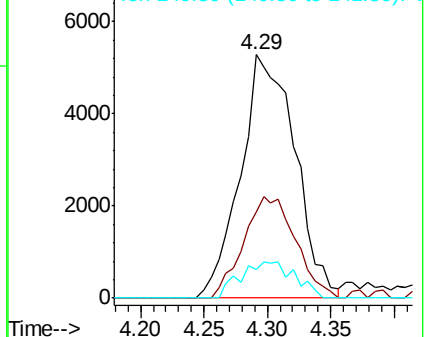
142 100

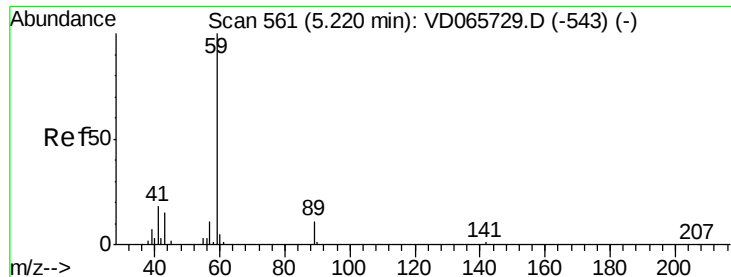
127 39.9 34.2 51.4

141 14.8 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



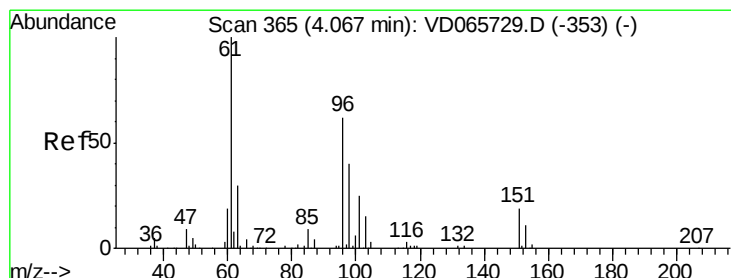
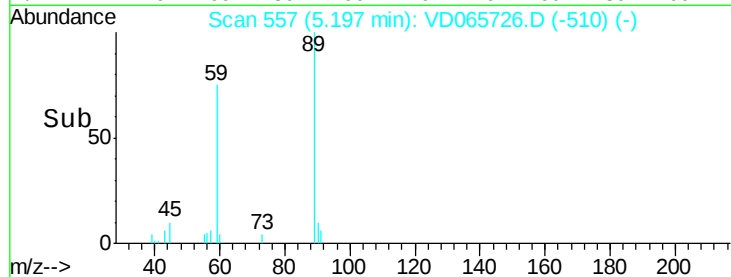
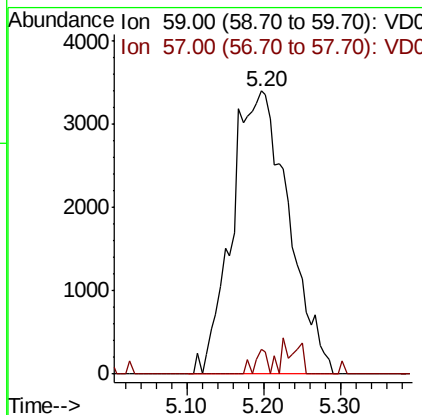
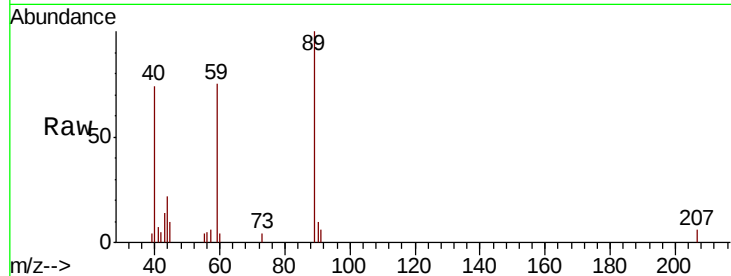


#11

Tert butyl alcohol
Concen: 51.057 ug/l
RT: 5.20 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

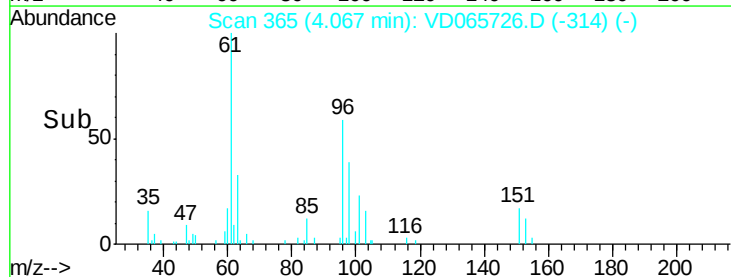
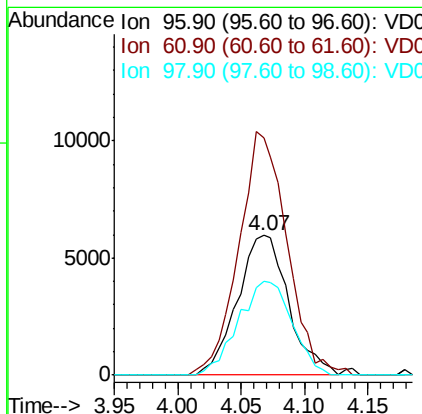
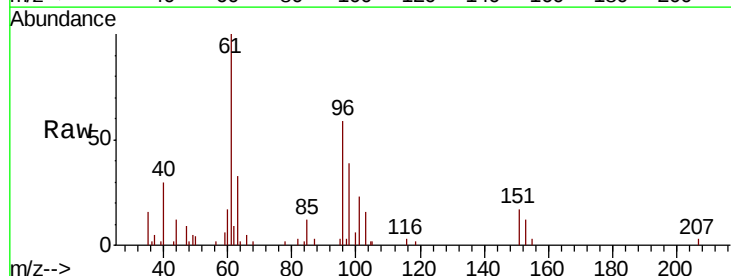
Tot Ion: 59 Resp: 17409
Ion Ratio Lower Upper
59 100
57 1.9 7.4 11.0#

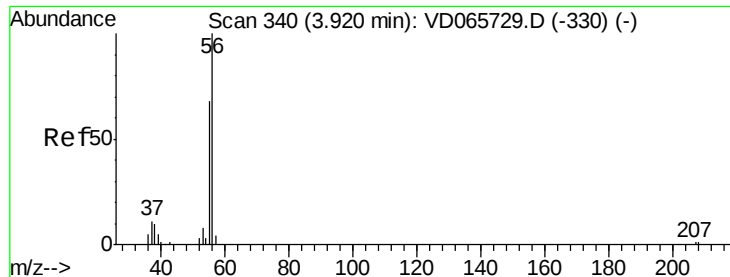


#12

1,1-Dichloroethene
Concen: 4.558 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion: 96 Resp: 16700
Ion Ratio Lower Upper
96 100
61 170.7 130.0 195.0
98 66.9 52.3 78.5





#13

Acrolein

Concen: 20.286 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

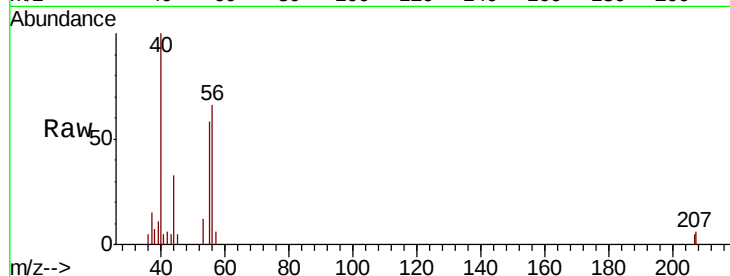
VSTDIC005

Tot Ion: 56 Resp: 6130

Ion Ratio Lower Upper

56 100

55 73.9 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

2000

1500

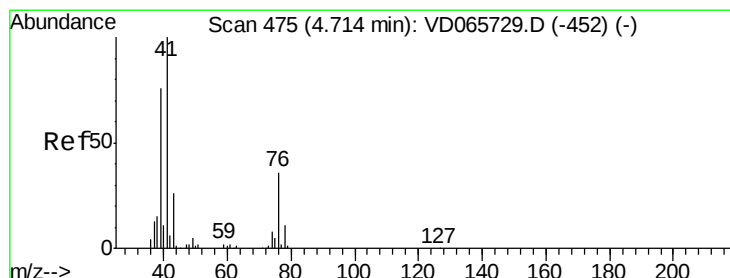
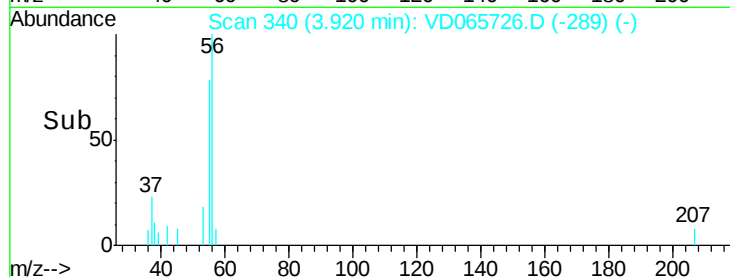
1000

500

0

3.90 4.00

Time-->



#14

Allyl chloride

Concen: 4.199 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

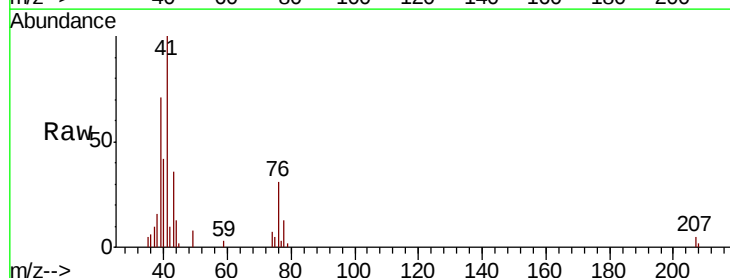
Tgt Ion: 41 Resp: 30109

Ion Ratio Lower Upper

41 100

39 72.8 57.4 86.2

76 32.8 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.72

12000

10000

8000

6000

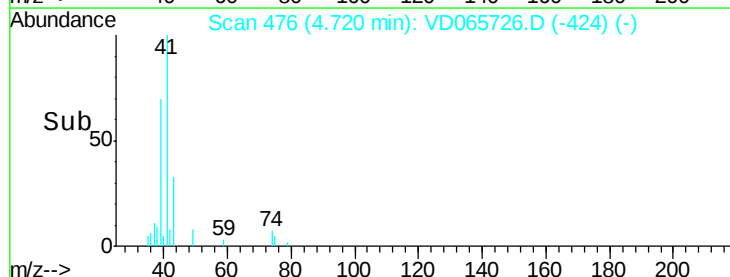
4000

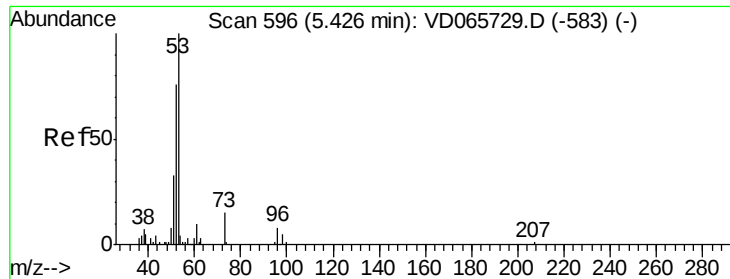
2000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 20.265 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

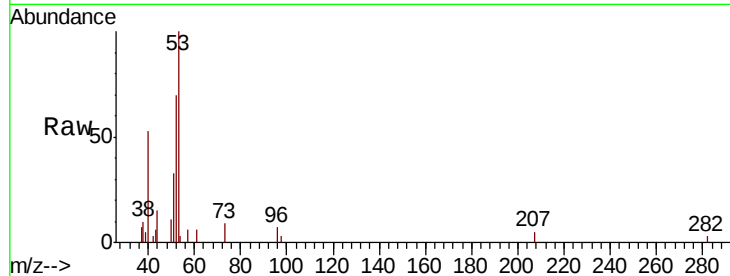
Tot Ion: 53 Resp: 17984

Ion Ratio Lower Upper

53 100

52 80.3 66.3 99.5

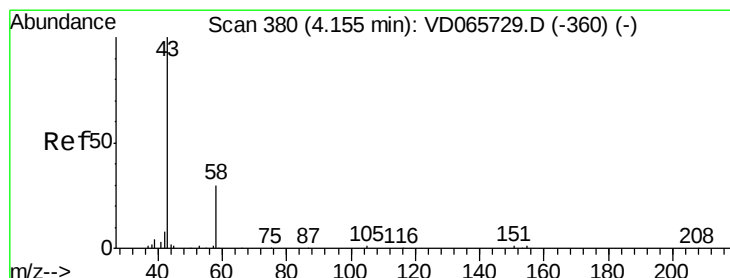
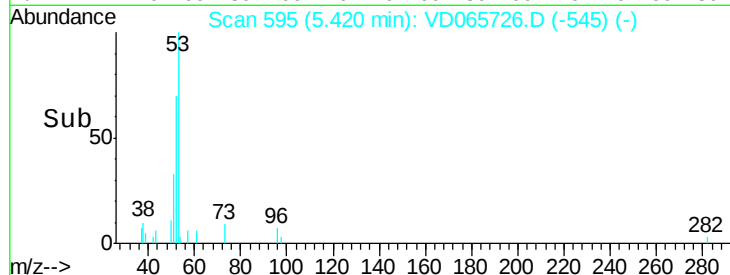
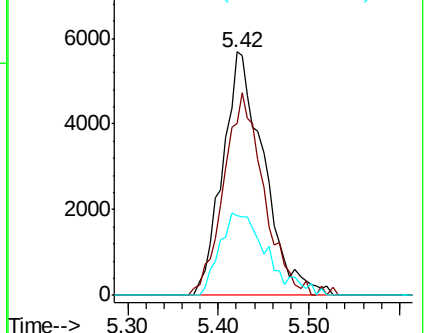
51 38.8 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 22.951 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065726.D

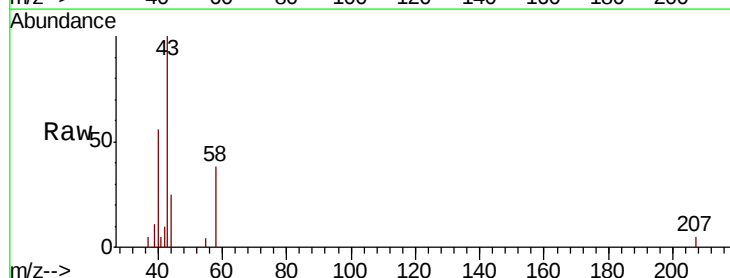
Acq: 13 May 2020 12:00

Tgt Ion: 43 Resp: 18241

Ion Ratio Lower Upper

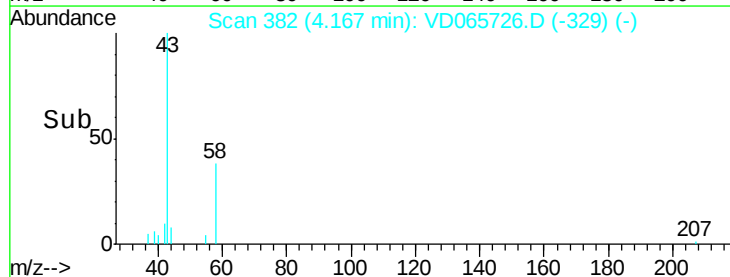
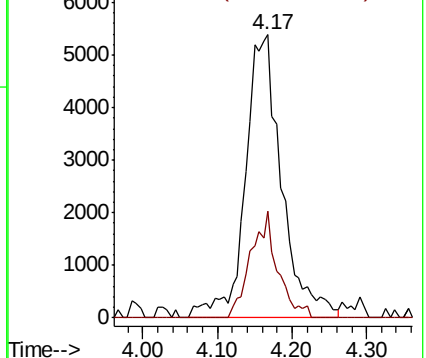
43 100

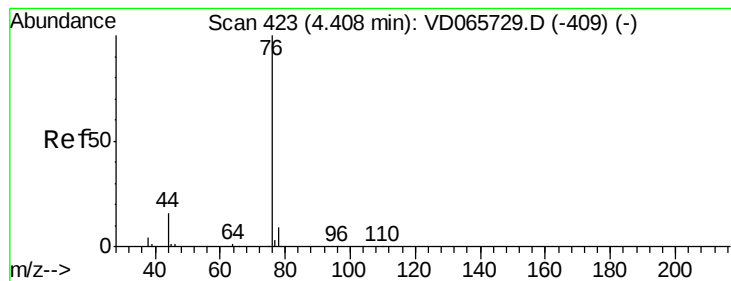
58 37.9 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 4.688 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

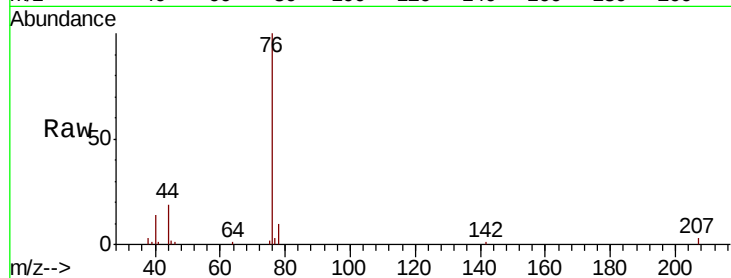
VSTDIC005

Tot Ion: 76 Resp: 55892

Ion Ratio Lower Upper

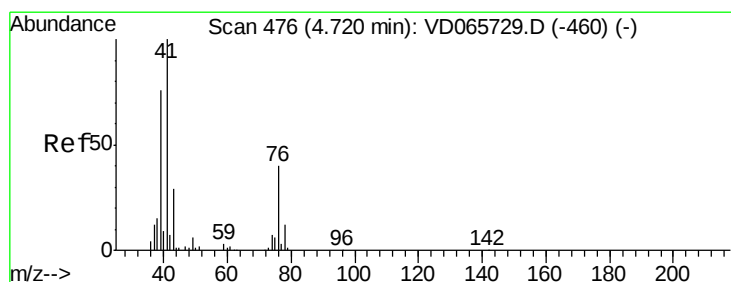
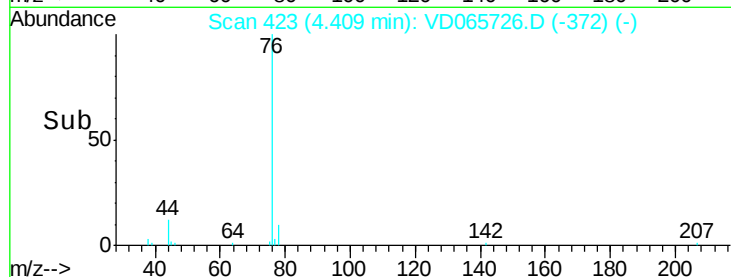
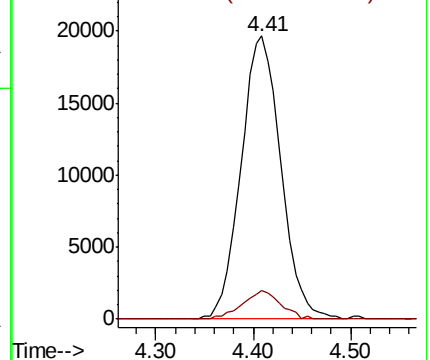
76 100

78 10.2 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: 5.274 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065726.D

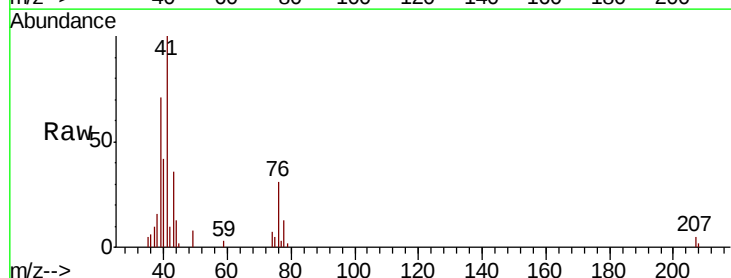
Acq: 13 May 2020 12:00

Tgt Ion: 43 Resp: 10483

Ion Ratio Lower Upper

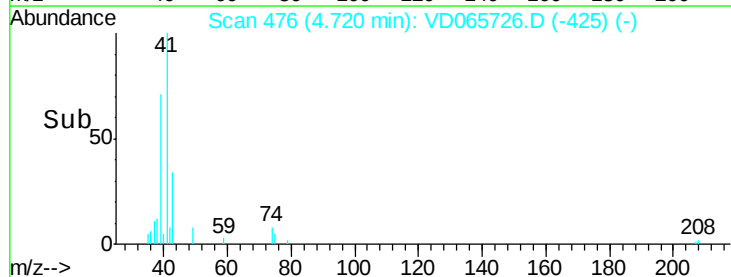
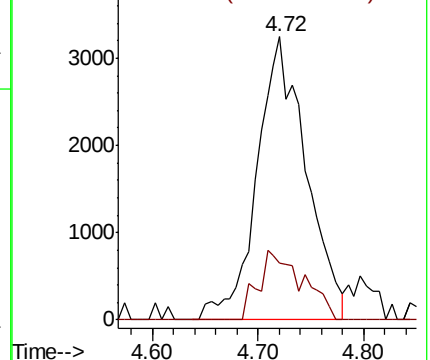
43 100

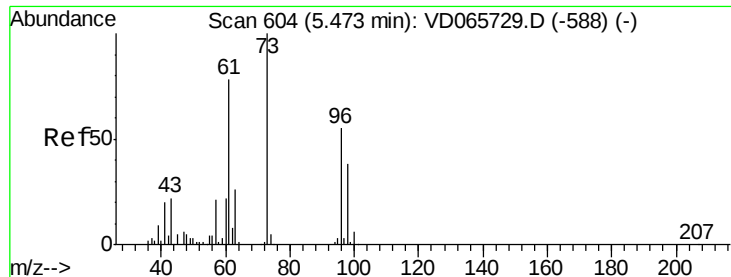
74 22.2 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

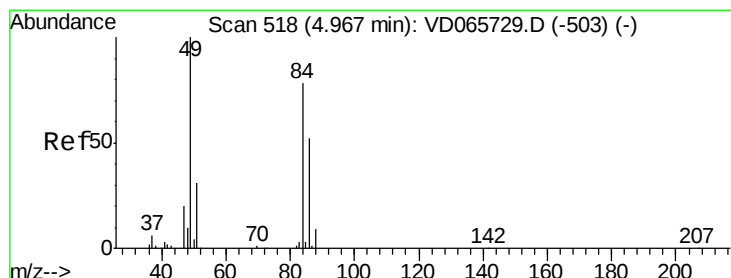
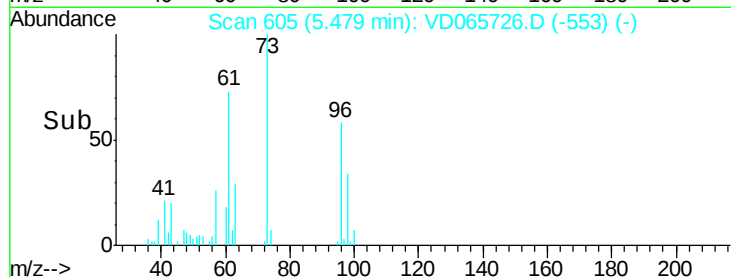
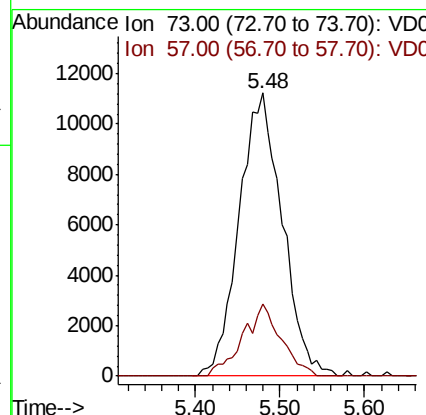
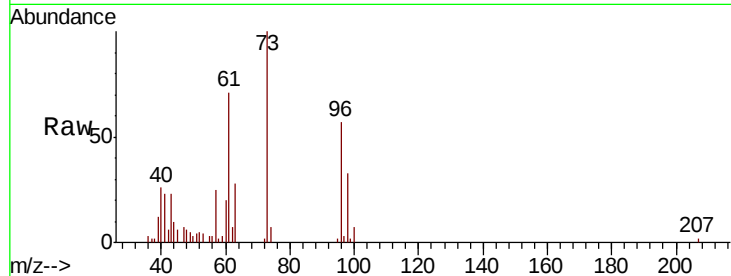




#19
Methvl tert-butvl Ether
Concen: 4.525 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

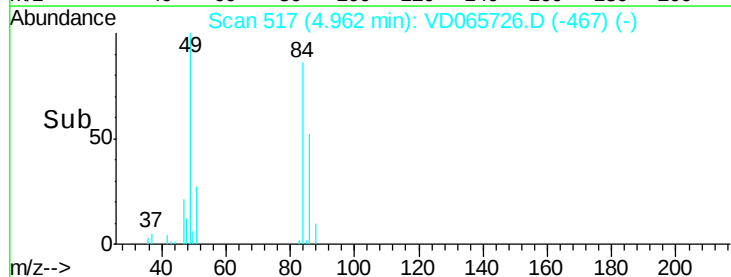
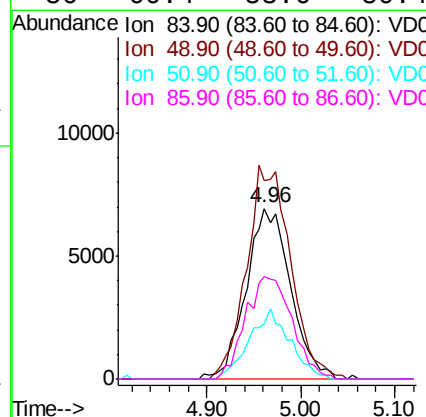
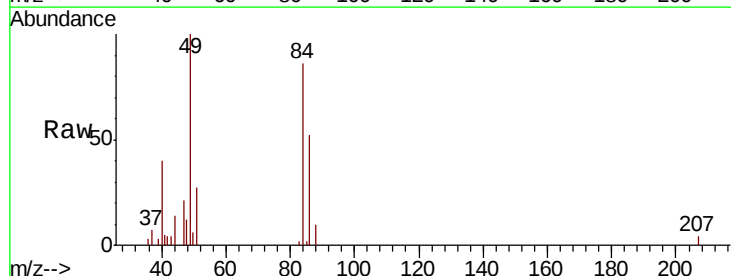
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

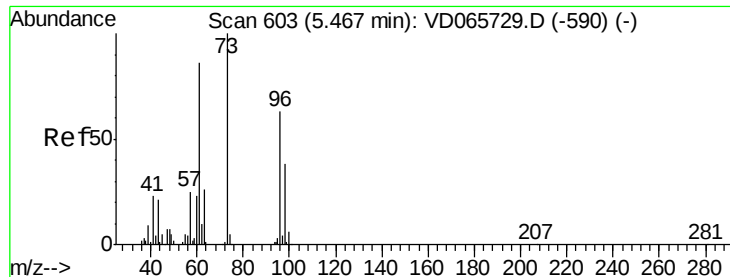
Tot Ion: 73 Resp: 39676
Ion Ratio Lower Upper
73 100
57 25.3 17.0 25.4



#20
Methylene Chloride
Concen: 5.522 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion: 84 Resp: 22733
Ion Ratio Lower Upper
84 100
49 116.4 102.9 154.3
51 31.9 31.5 47.3
86 60.4 53.6 80.4





#21

trans-1,2-Dichloroethene

Concen: 4.888 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

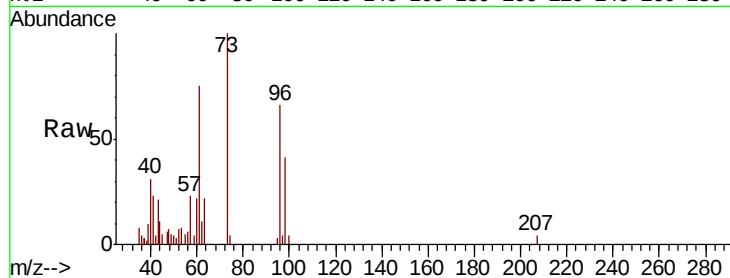
Tot Ion: 96 Resp: 20537

Ion Ratio Lower Upper

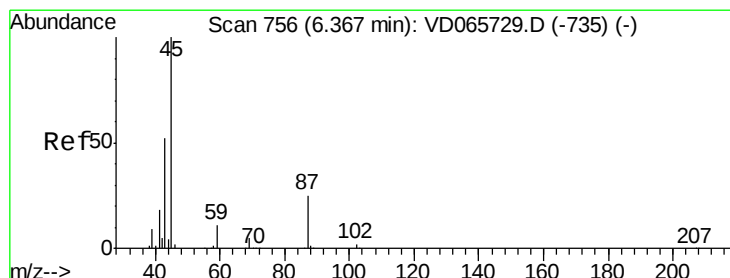
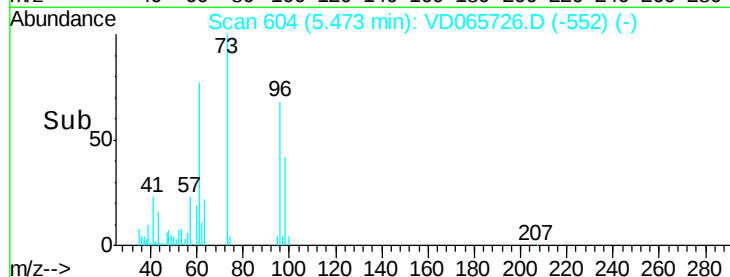
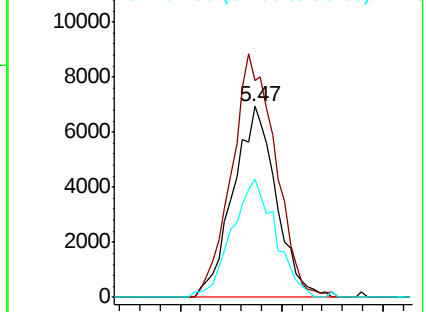
96 100

61 113.8 108.6 163.0

98 62.2 47.9 71.9



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



#22

Diisopropyl ether

Concen: 4.148 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Tgt Ion: 45 Resp: 55216

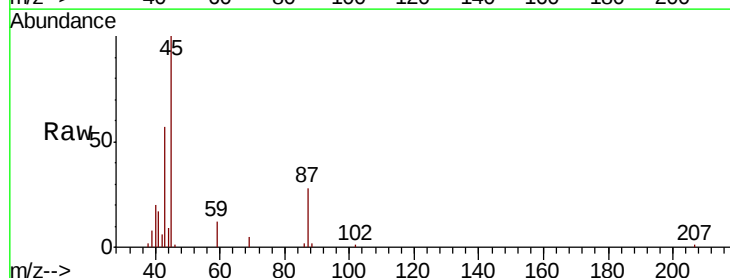
Ion Ratio Lower Upper

45 100

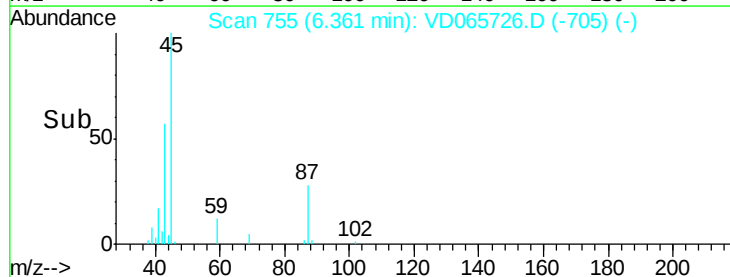
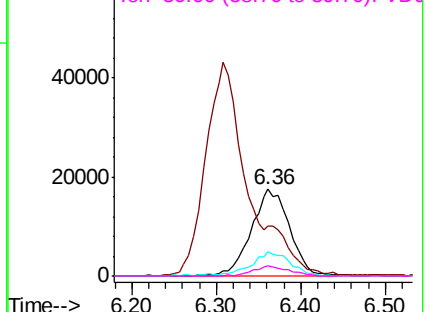
43 55.7 41.8 62.6

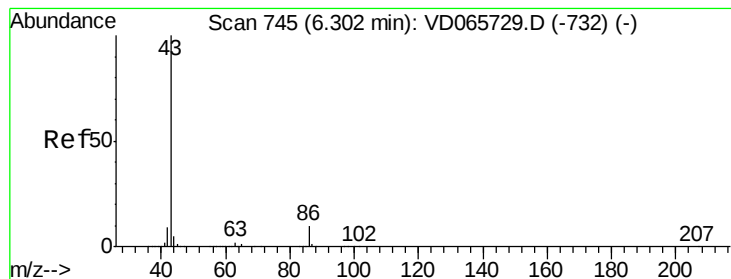
87 27.5 20.1 30.1

59 12.3 8.6 13.0



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





#23

Vinyl Acetate

Concen: 16.292 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

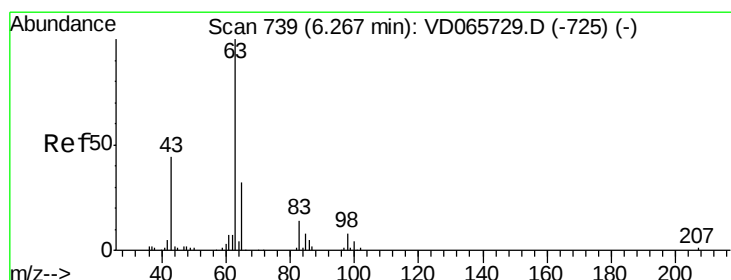
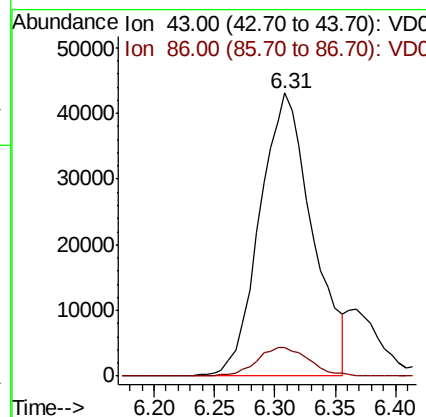
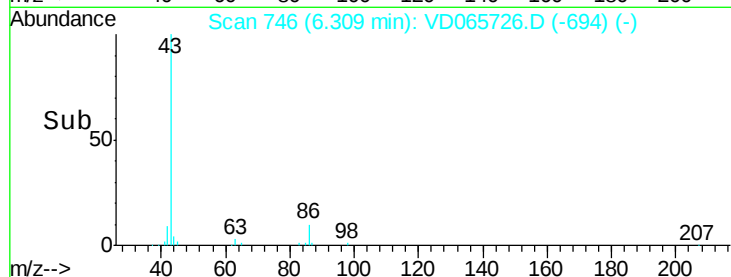
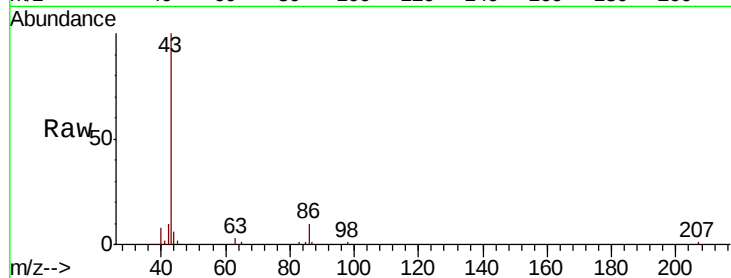
VSTDIC005

Tot Ion: 43 Resp: 130539

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.4



#24

1,1-Dichloroethane

Concen: 4.414 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

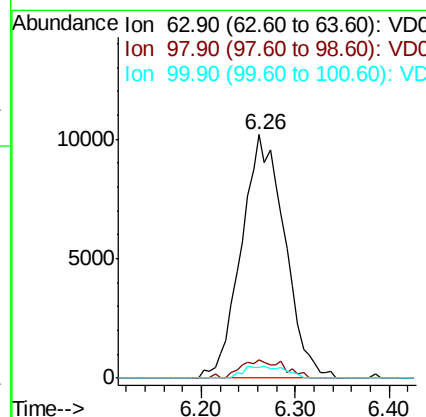
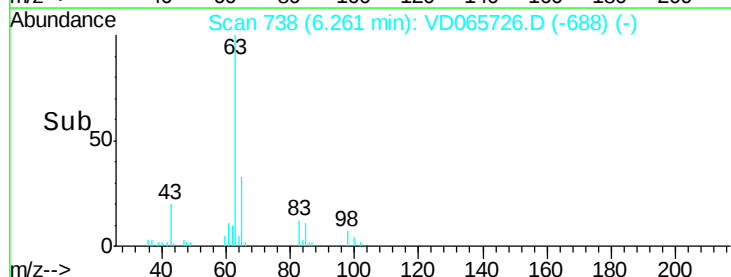
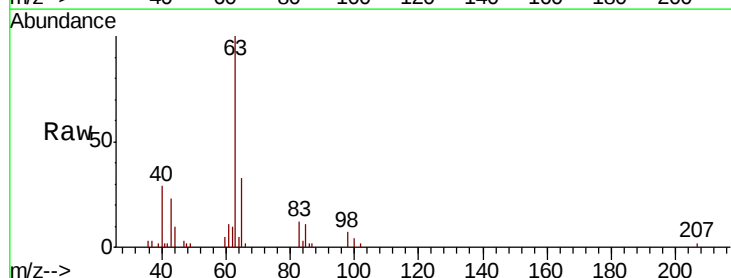
Tgt Ion: 63 Resp: 32569

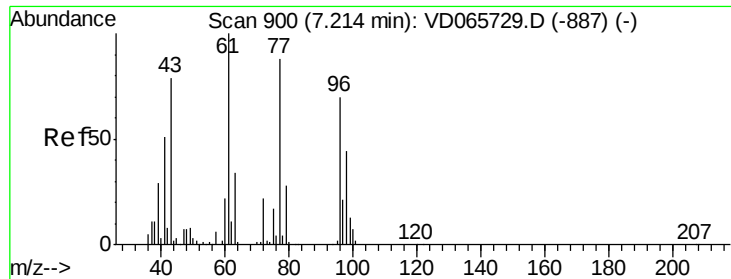
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 21.672 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

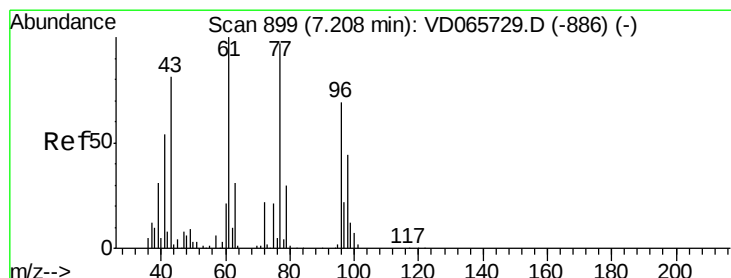
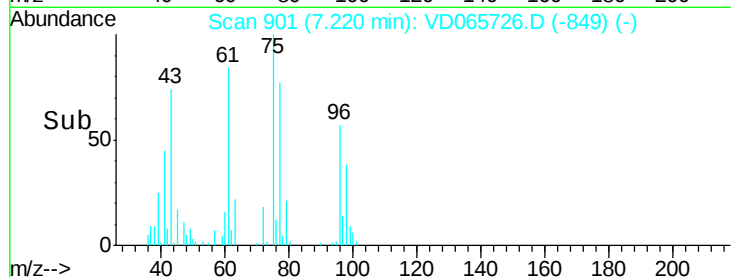
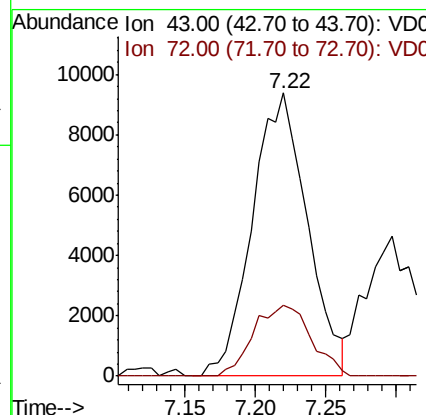
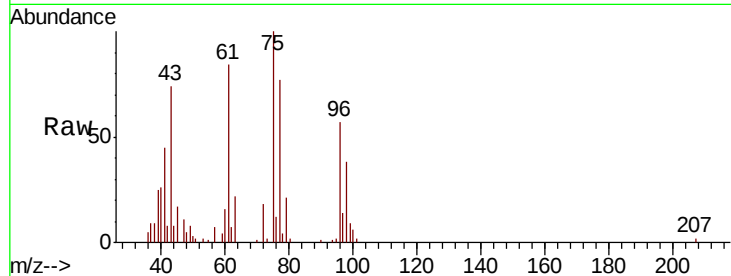
VSTDIC005

Tot Ion: 43 Resp: 25626

Ion Ratio Lower Upper

43 100

72 25.0 22.3 33.5



#26

2,2-Dichloropropane

Concen: 4.738 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065726.D

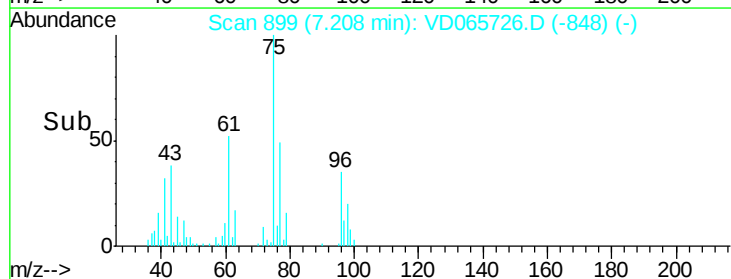
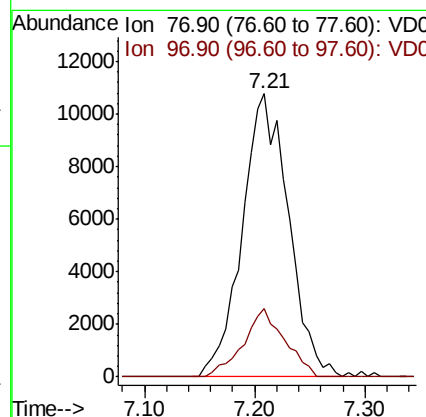
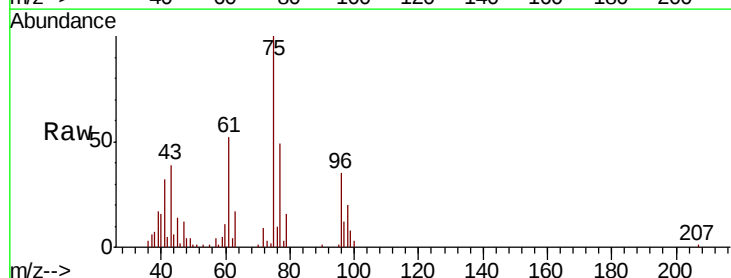
Acq: 13 May 2020 12:00

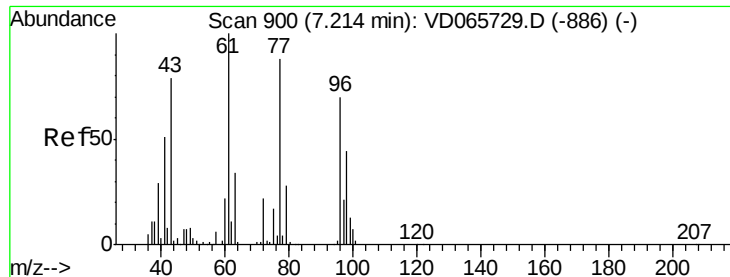
Tgt Ion: 77 Resp: 31636

Ion Ratio Lower Upper

77 100

97 21.4 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 4.821 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

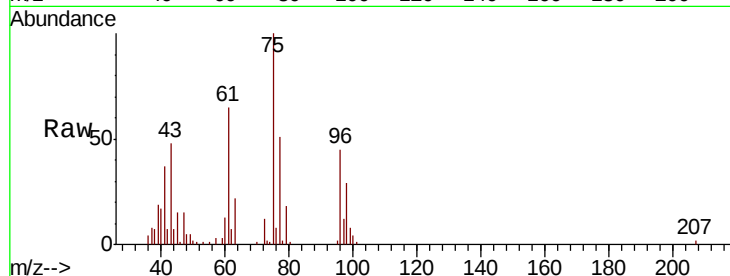
Tot Ion: 96 Resp: 21915

Ion Ratio Lower Upper

96 100

61 142.3 0.0 288.0

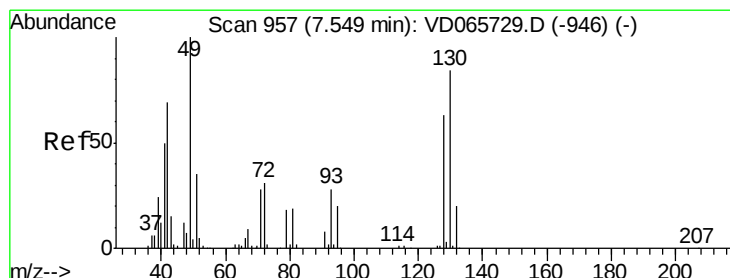
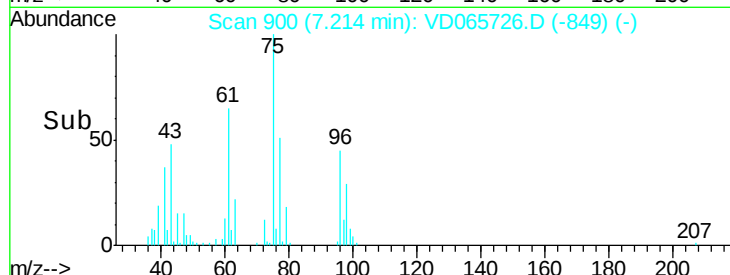
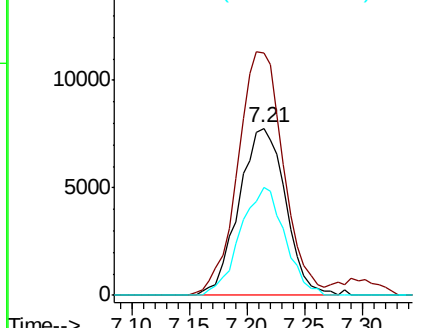
98 61.7 0.0 127.8



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: 4.085 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

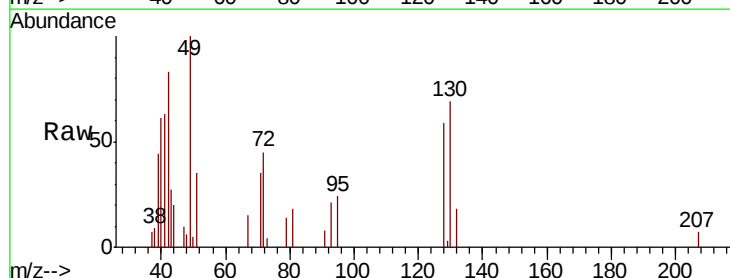
Tgt Ion: 49 Resp: 12581

Ion Ratio Lower Upper

49 100

129 0.4 0.0 4.6

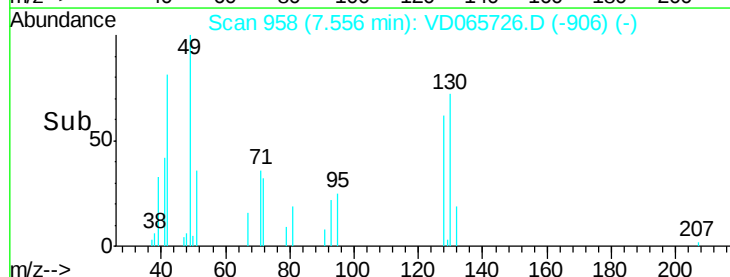
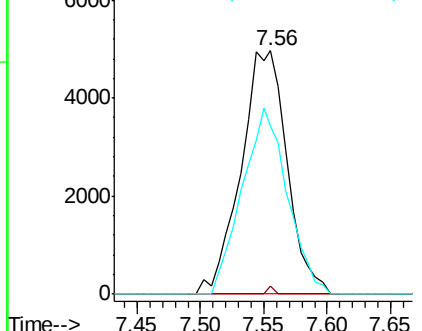
130 74.7 65.2 97.8

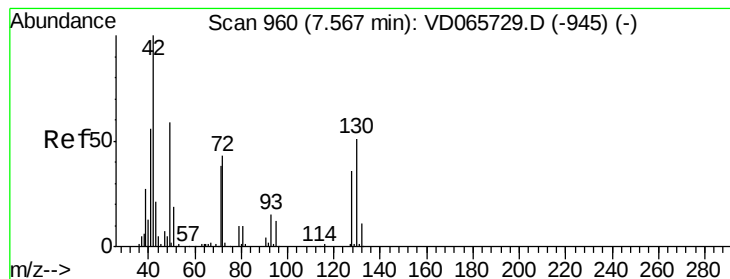


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 20.347 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

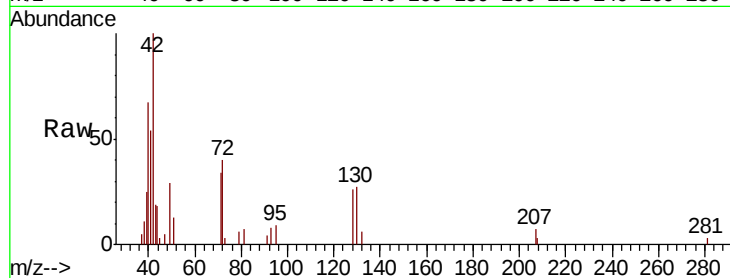
Tot Ion: 42 Resp: 15540

Ion Ratio Lower Upper

42 100

72 39.4 33.5 50.3

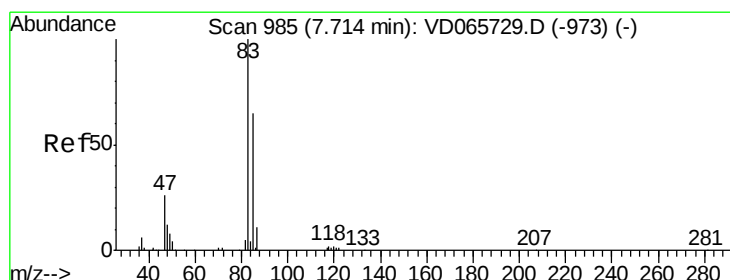
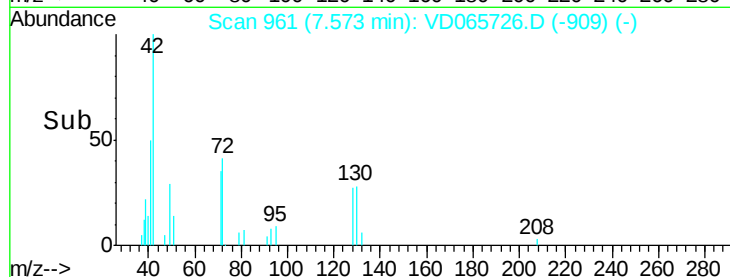
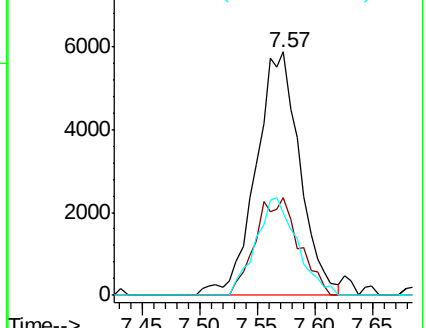
71 37.8 31.8 47.6



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: 4.590 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065726.D

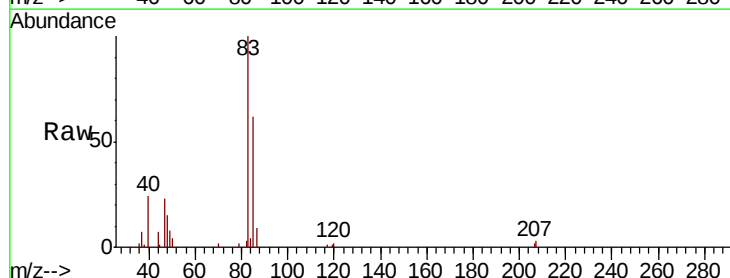
Acq: 13 May 2020 12:00

Tgt Ion: 83 Resp: 32787

Ion Ratio Lower Upper

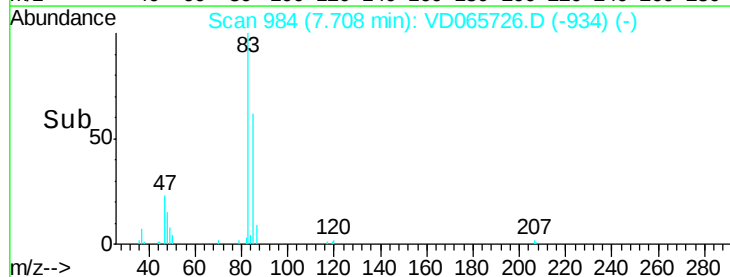
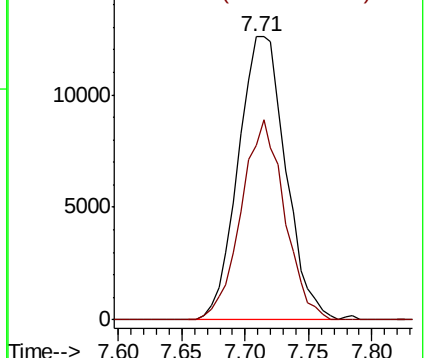
83 100

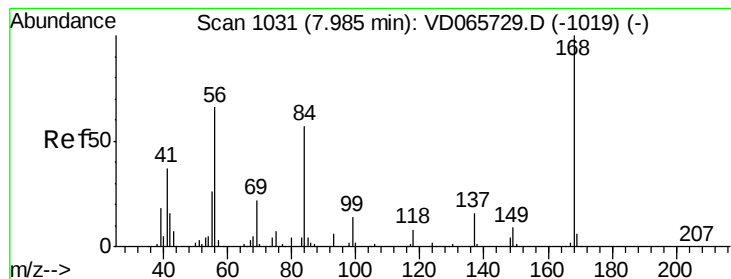
85 61.7 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 5.020 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

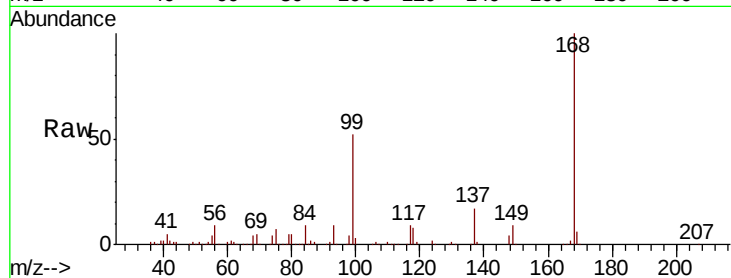
Tot Ion: 56 Resp: 38260

Ion Ratio Lower Upper

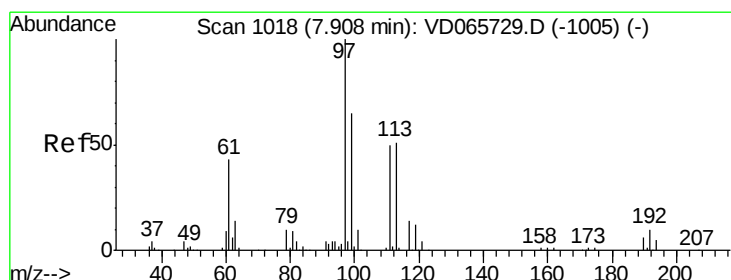
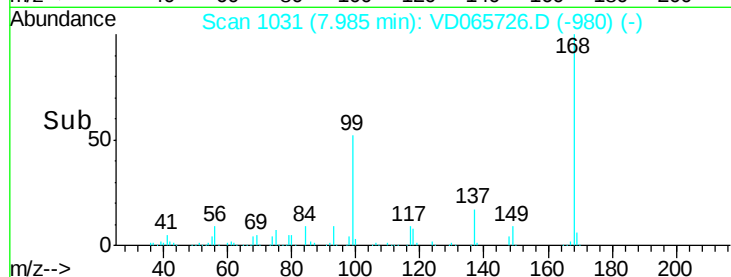
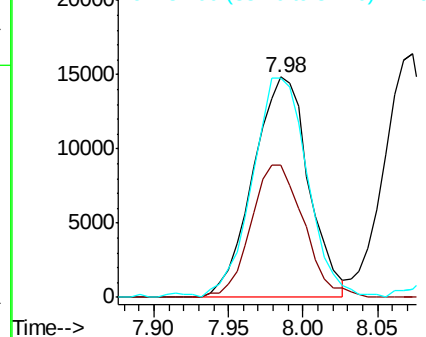
56 100

69 59.9 25.9 38.9#

84 98.3 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: 4.570 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

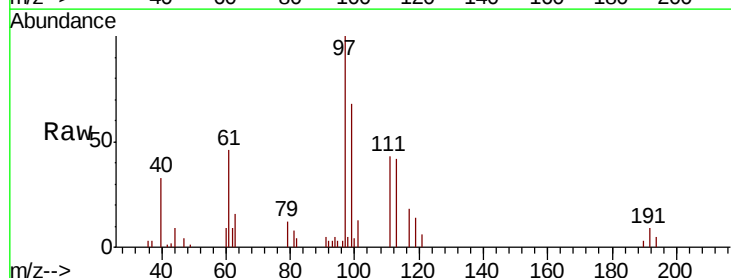
Tgt Ion: 97 Resp: 30384

Ion Ratio Lower Upper

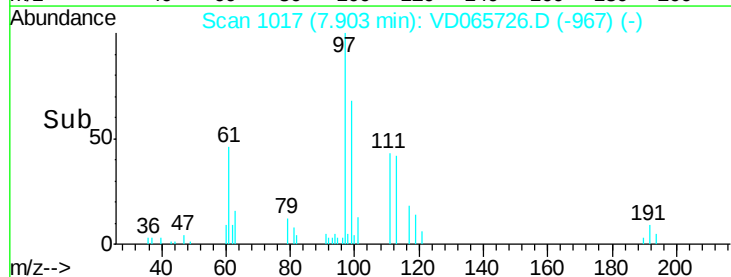
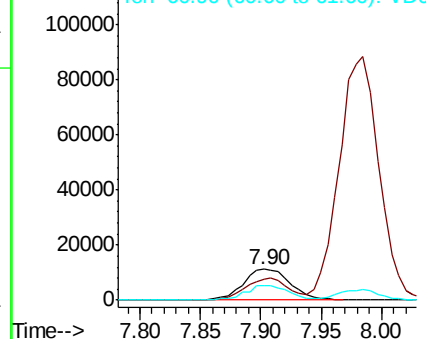
97 100

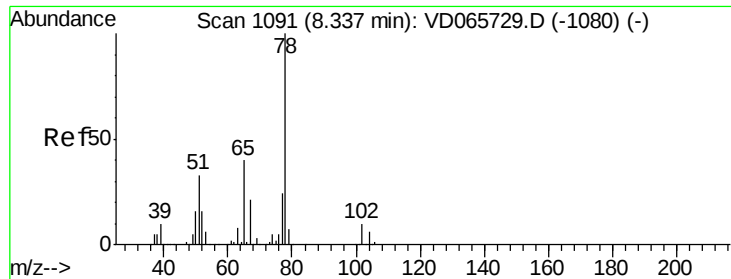
99 65.2 50.5 75.7

61 44.5 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

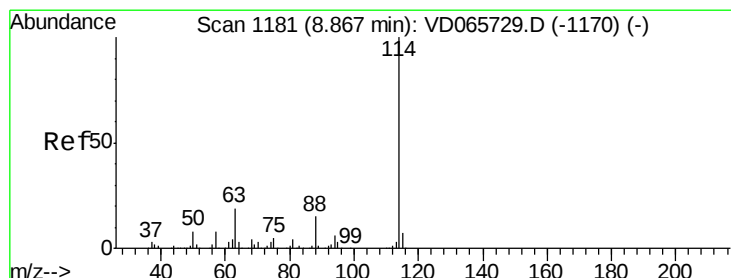
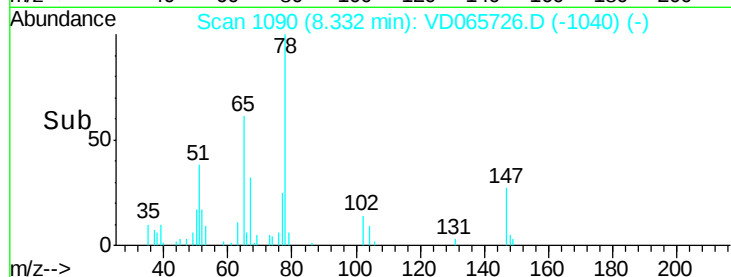
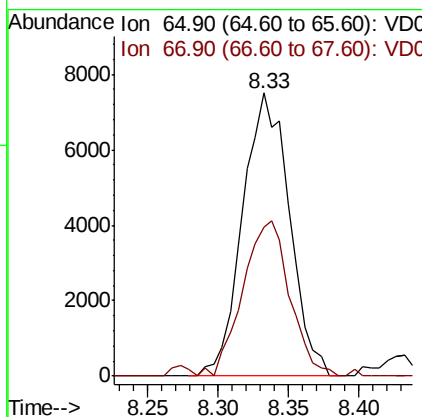
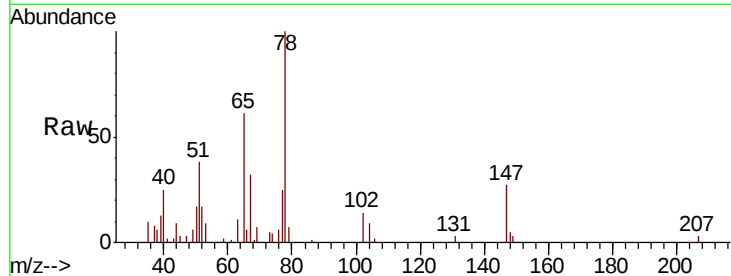




#33
 1,2-Dichloroethane-d4
 Concen: 4.619 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

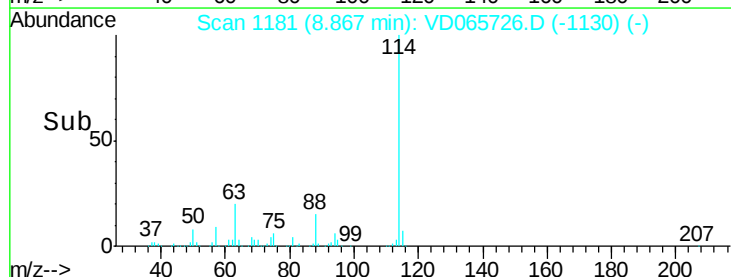
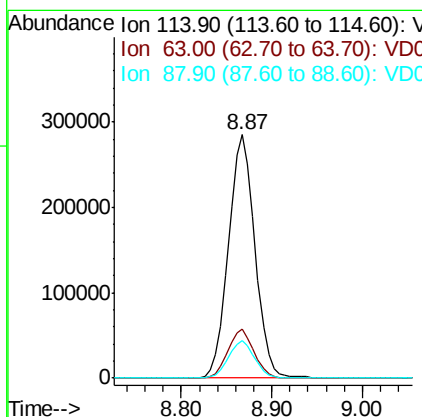
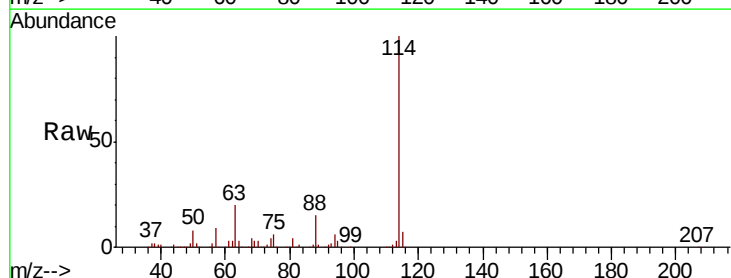
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

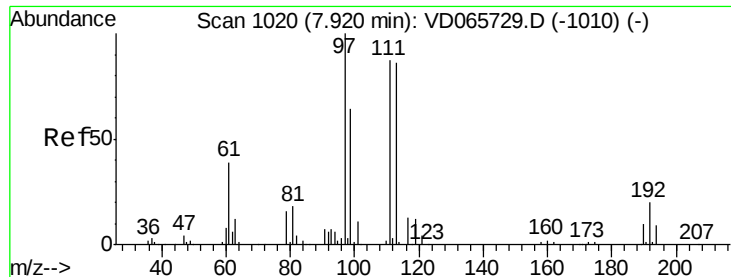
Tot Ion: 65 Resp: 17407
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

Tgt Ion: 114 Resp: 578836
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.2
 88 15.2 0.0 30.2

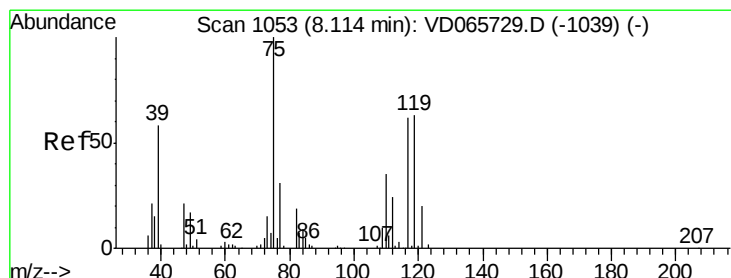
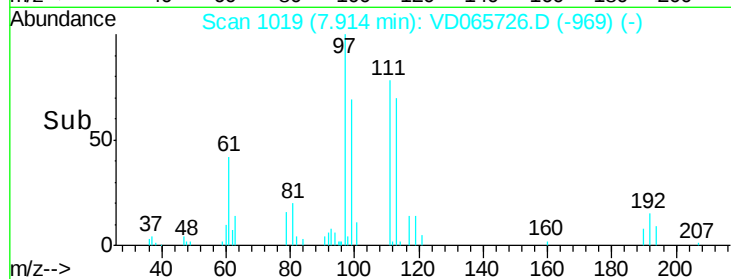
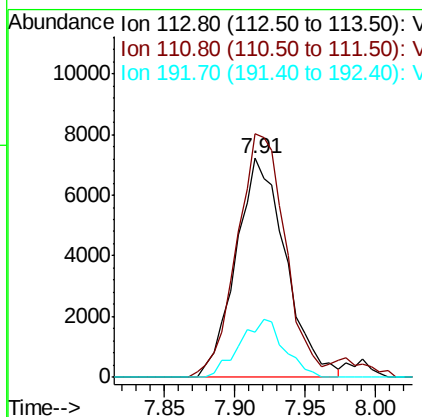
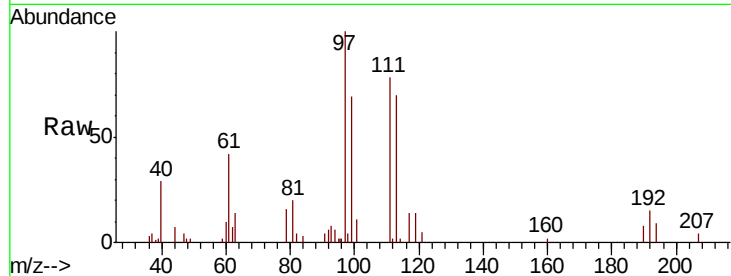




#35
 Dibromofluoromethane
 Concen: 5.054 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

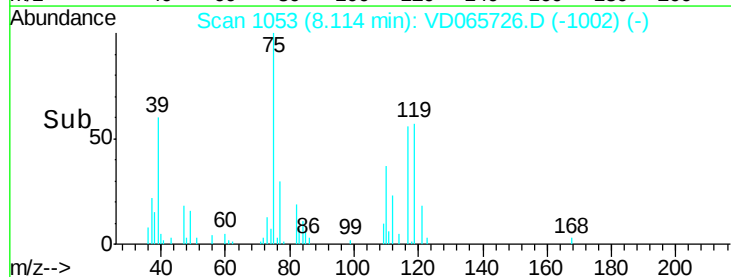
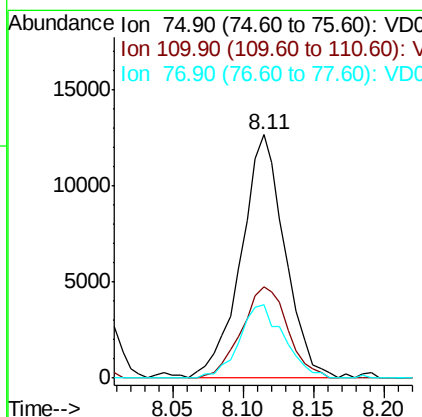
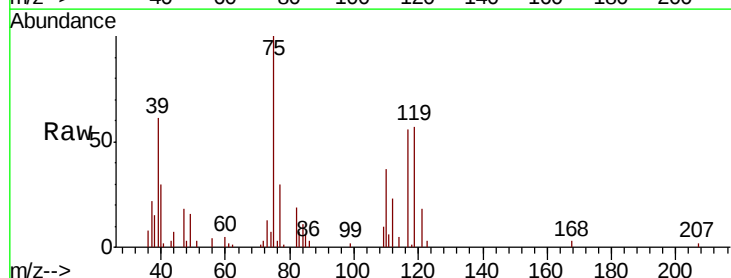
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

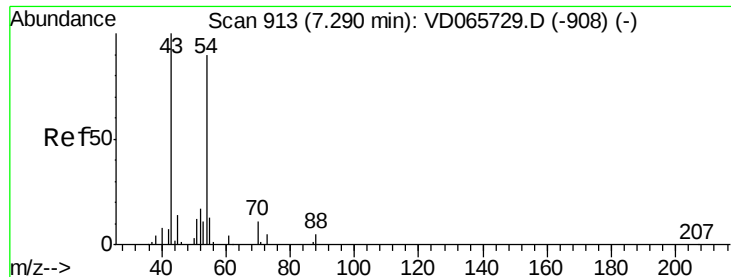
Tot Ion:113 Resp: 17847
 Ion Ratio Lower Upper
 113 100
 111 108.5 81.1 121.7
 192 23.8 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

Tgt Ion: 75 Resp: 27403
 Ion Ratio Lower Upper
 75 100
 110 39.5 18.4 55.2
 77 30.8 24.6 37.0

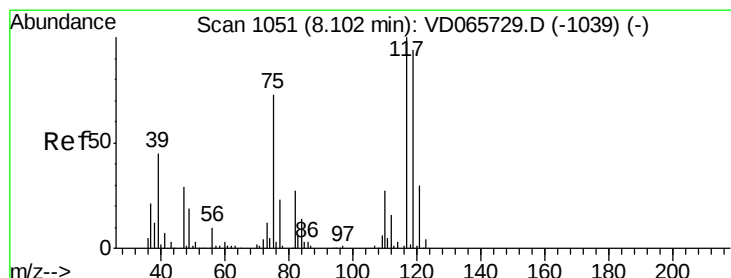
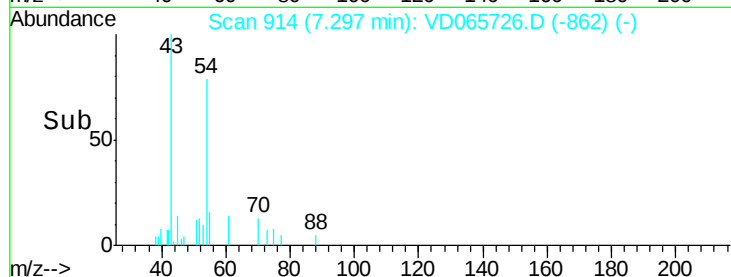
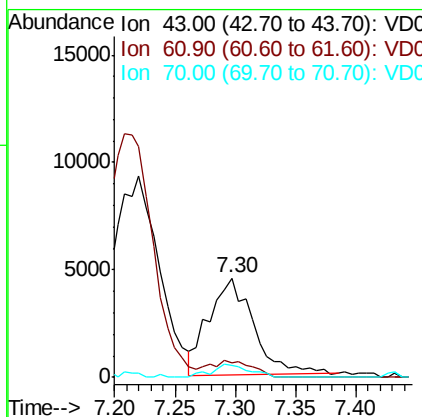
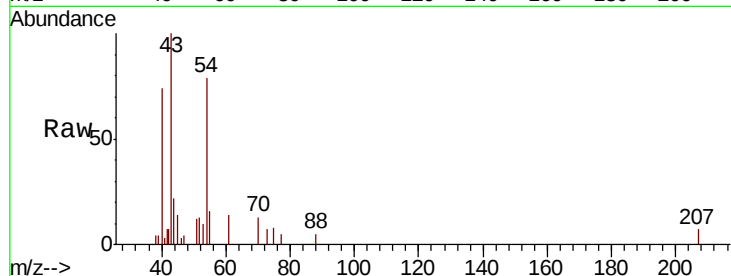




#37
Ethyl Acetate
Concen: 4.378 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

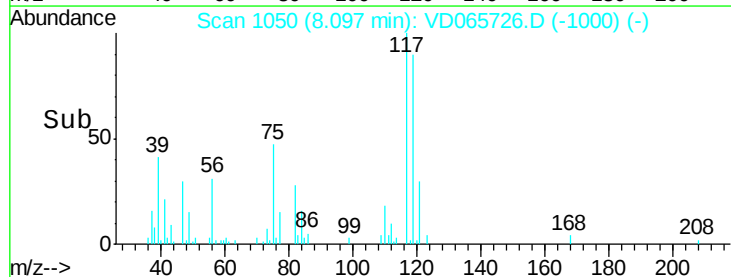
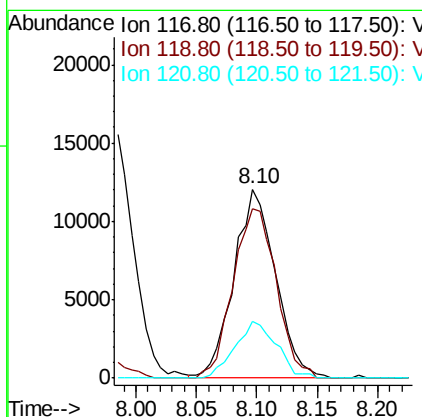
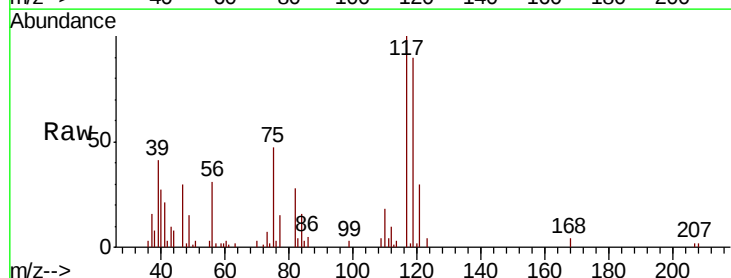
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

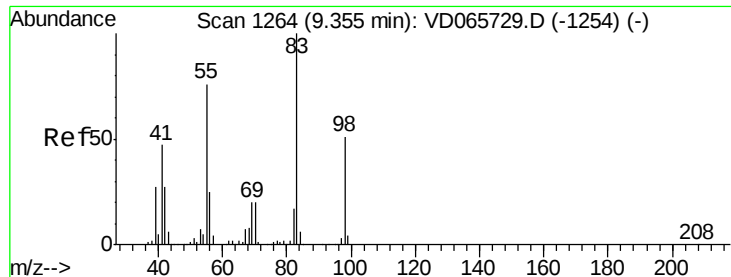
Tot Ion: 43 Resp: 11565
Ion Ratio Lower Upper
43 100
61 16.5 9.8 14.6#
70 11.1 8.6 12.8



#38
Carbon Tetrachloride
Concen: 5.159 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion: 117 Resp: 28963
Ion Ratio Lower Upper
117 100
119 89.7 75.6 113.4
121 29.9 24.4 36.6

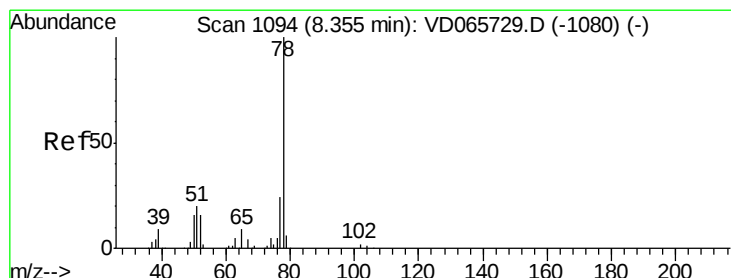
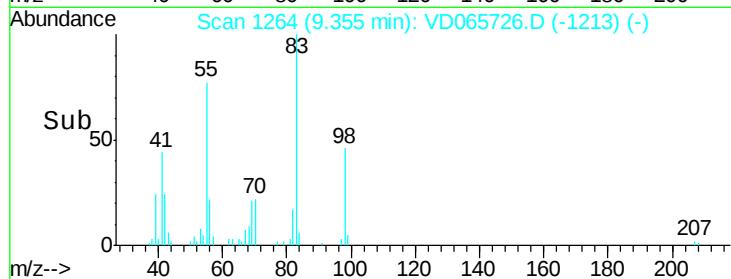
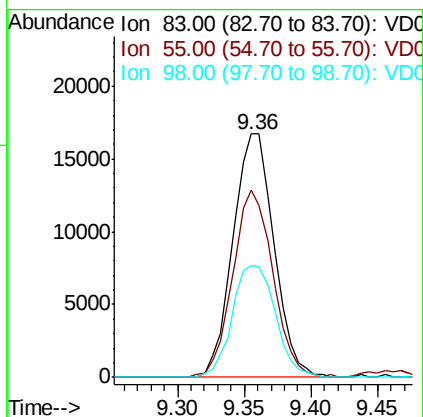
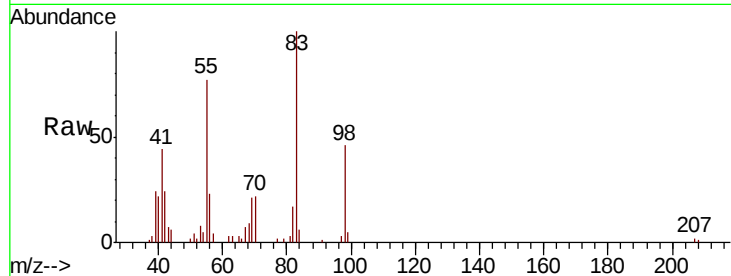




#39
Methvlcvclohexane
Concen: 5.081 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

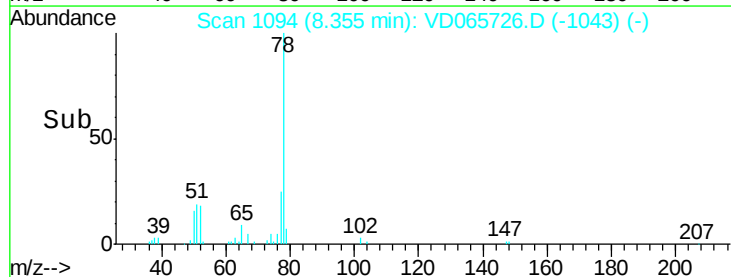
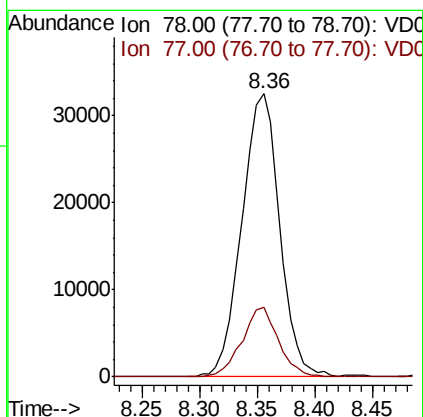
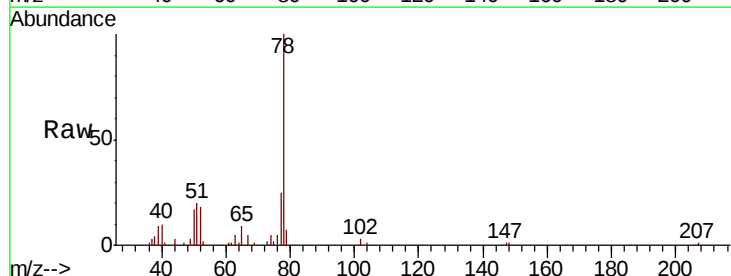
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

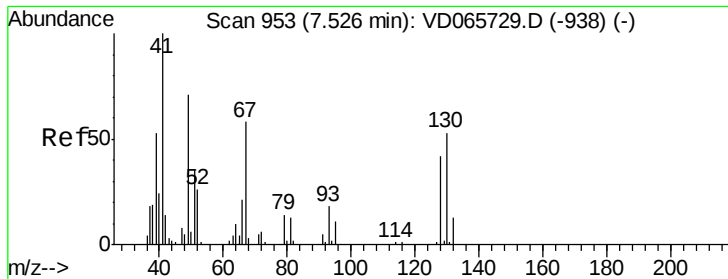
Tot Ion	83.00	Resp	35695
Ion Ratio	Lower	Upper	
83	100		
55	76.9	60.9	91.3
98	45.7	40.6	61.0



#40
Benzene
Concen: 4.842 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion	78.00	Resp	74204
Ion Ratio	Lower	Upper	
78	100		
77	24.6	19.1	28.7

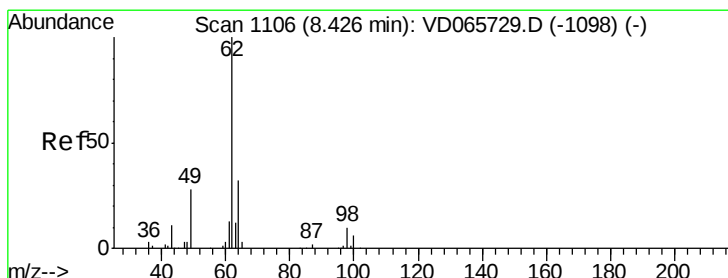
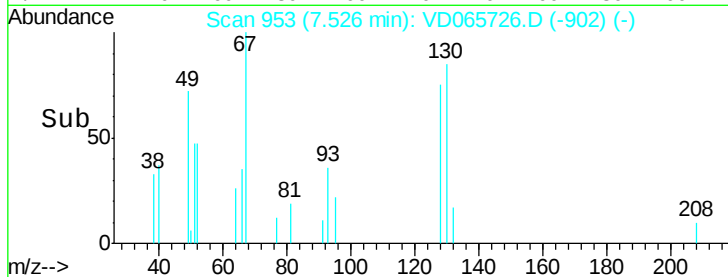
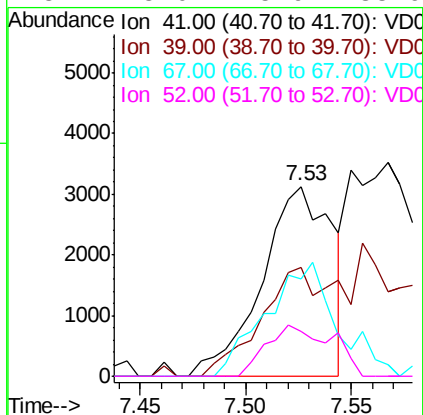
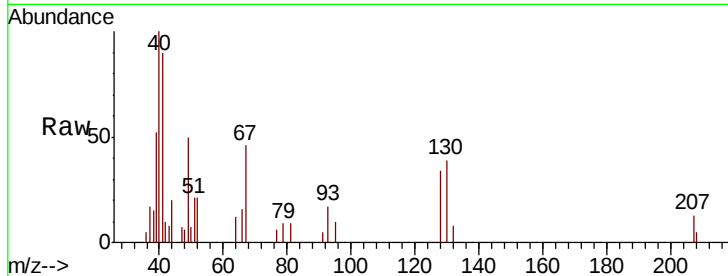




#41
Methacrylonitrile
Concen: 4.690 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

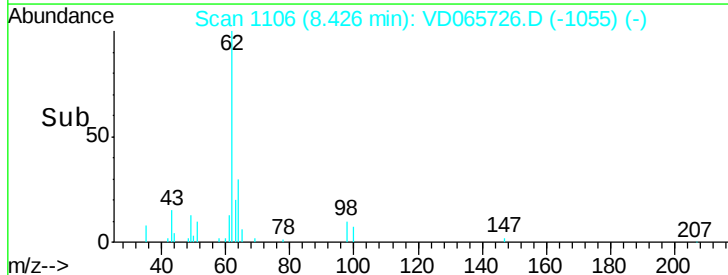
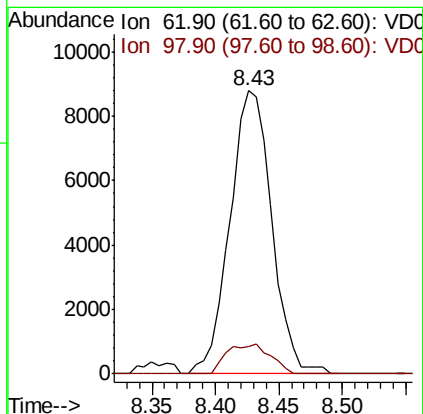
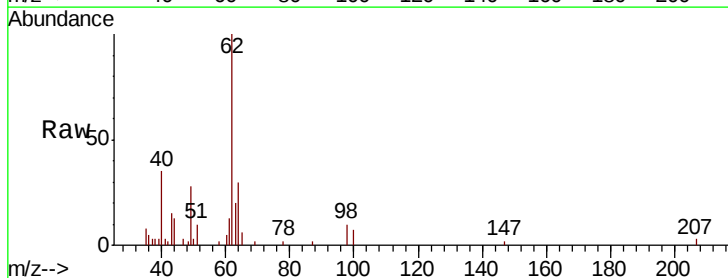
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

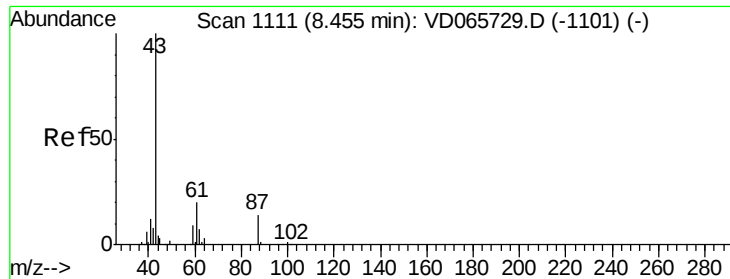
Tot Ion: 41 Resp: 7239
Ion Ratio Lower Upper
41 100
39 50.1 56.8 85.2#
67 61.0 57.9 86.9
52 25.0 25.9 38.9#



#42
1,2-Dichloroethane
Concen: 4.583 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion: 62 Resp: 20154
Ion Ratio Lower Upper
62 100
98 10.9 0.0 19.6





#43

Isopropyl Acetate

Concen: 4.343 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

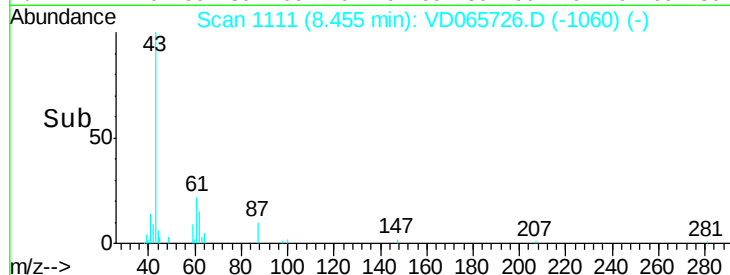
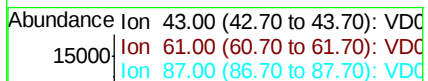
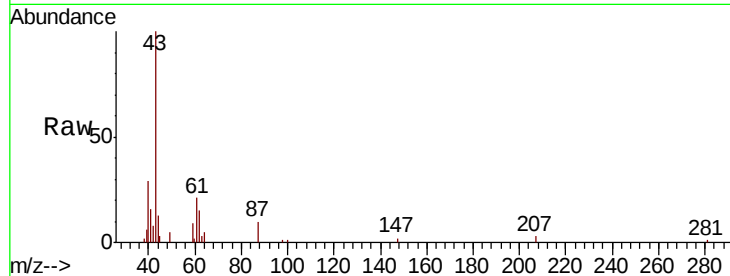
Tot Ion: 43 Resp: 22953

Ion Ratio Lower Upper

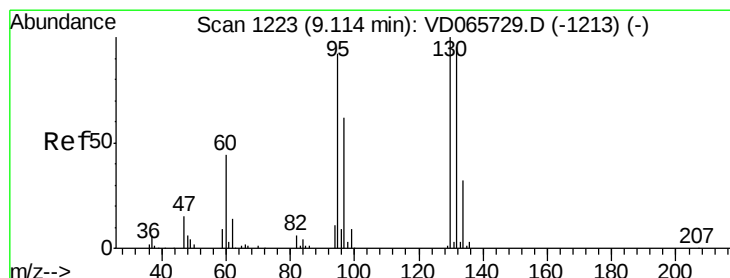
43 100

61 30.1 23.8 35.6

87 12.2 10.5 15.7



Time-->



#44

Trichloroethene

Concen: 5.229 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065726.D

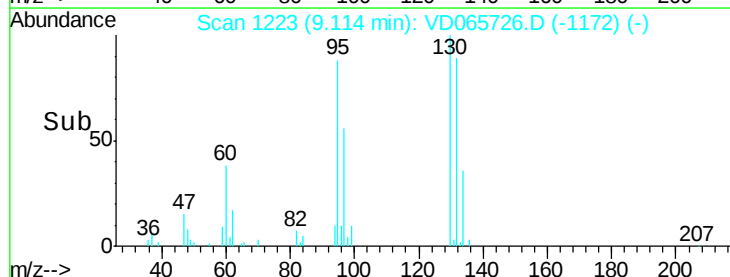
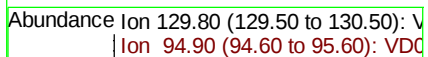
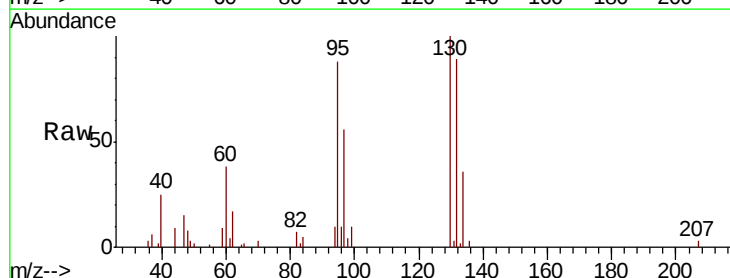
Acq: 13 May 2020 12:00

Tgt Ion: 130 Resp: 22366

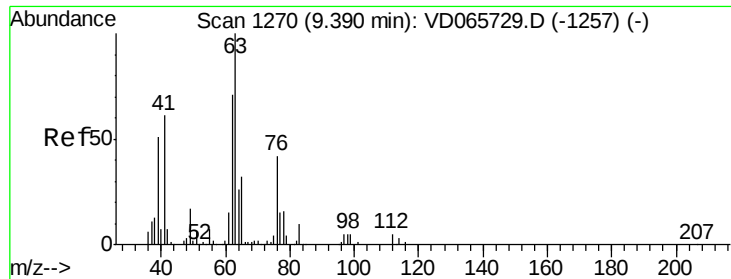
Ion Ratio Lower Upper

130 100

95 87.9 0.0 183.6



Time-->



#45

1,2-Dichloropropane

Concen: 4.507 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

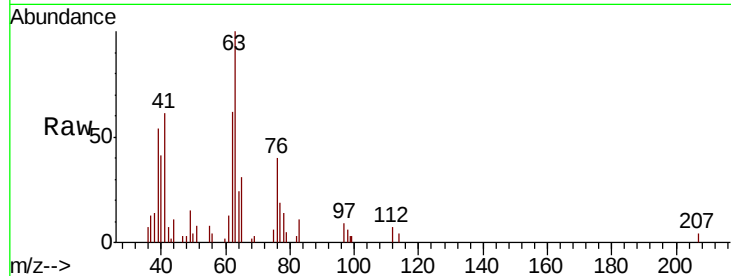
VSTDIC005

Tot Ion: 63 Resp: 17718

Ion Ratio Lower Upper

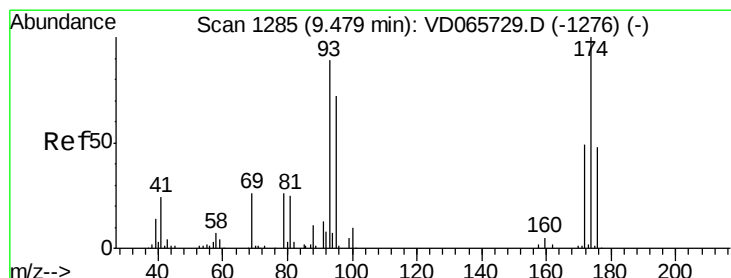
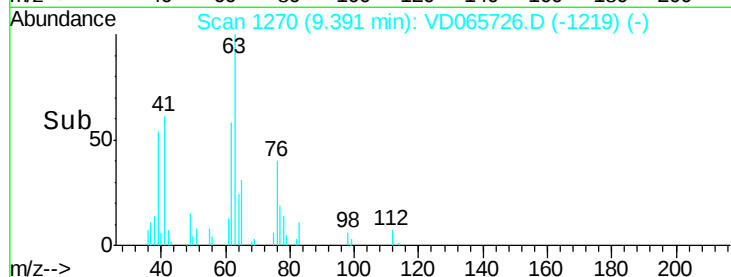
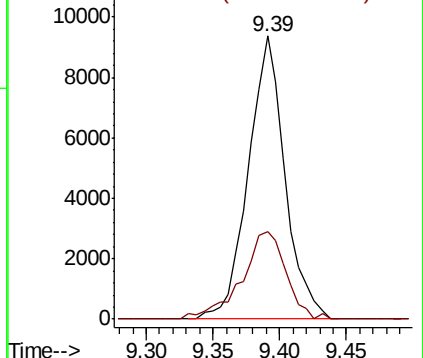
63 100

65 31.0 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.878 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

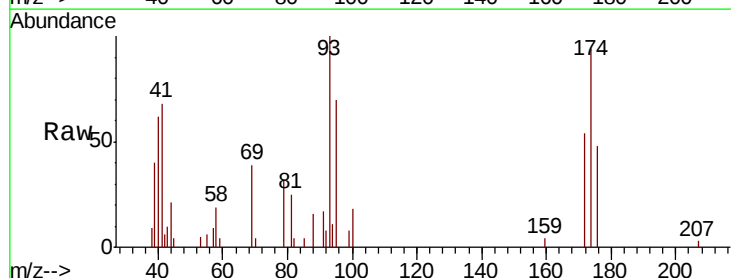
Tgt Ion: 93 Resp: 9708

Ion Ratio Lower Upper

93 100

95 79.6 65.4 98.2

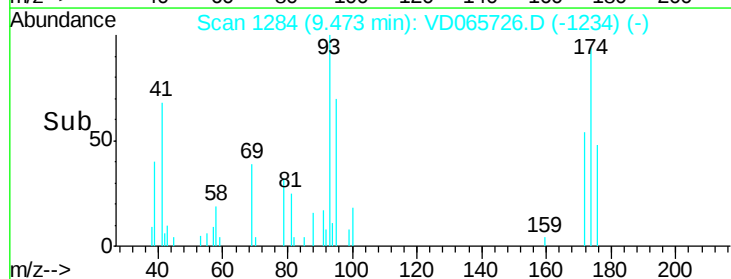
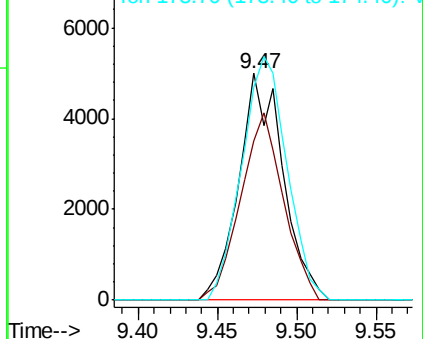
174 109.5 89.9 134.9

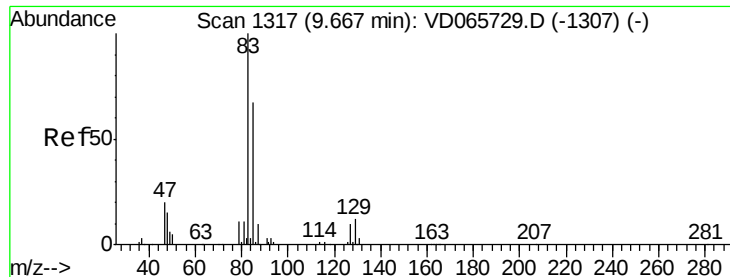


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 4.723 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

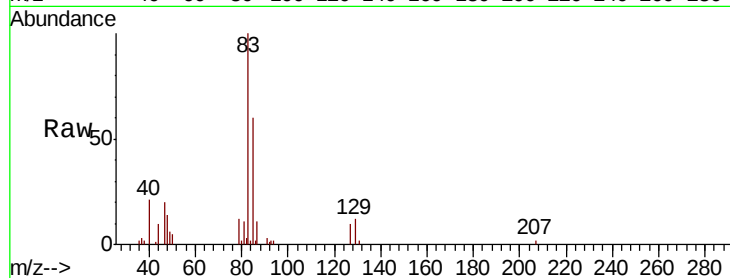
Tot Ion: 83 Resp: 25137

Ion Ratio Lower Upper

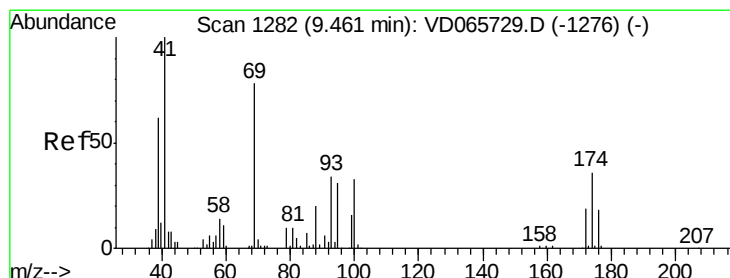
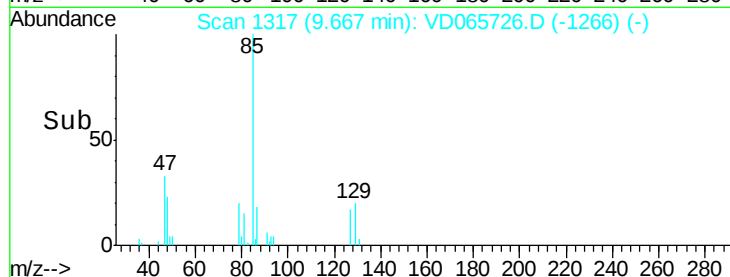
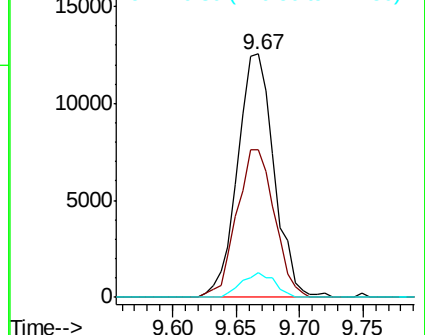
83 100

85 60.5 53.6 80.4

127 10.0 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: 3.424 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

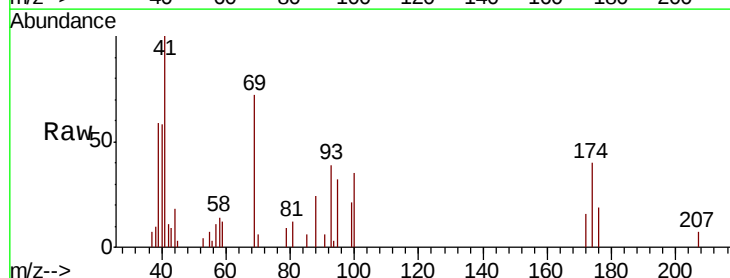
Tgt Ion: 41 Resp: 9043

Ion Ratio Lower Upper

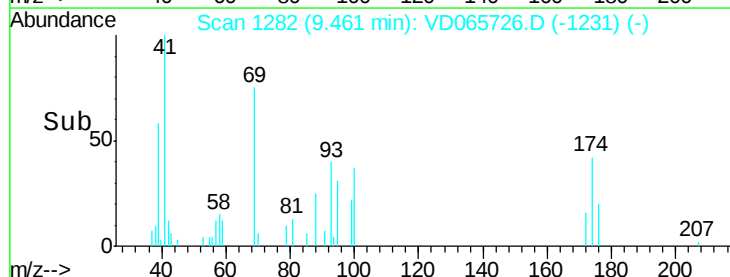
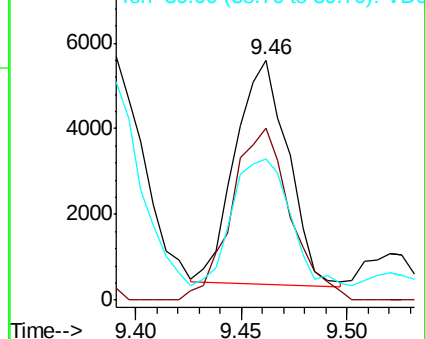
41 100

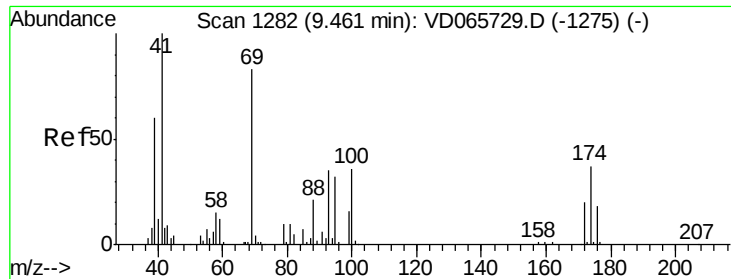
69 85.8 64.4 96.6

39 78.8 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

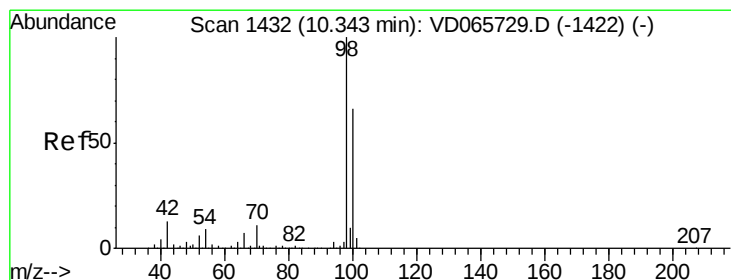
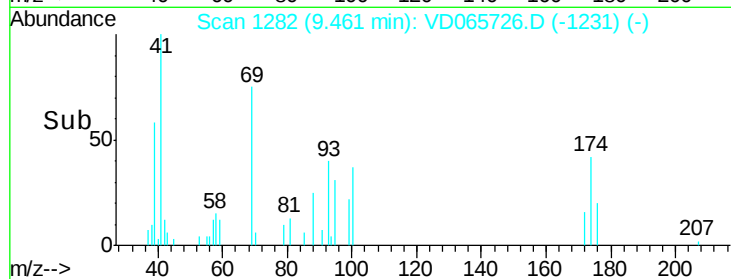
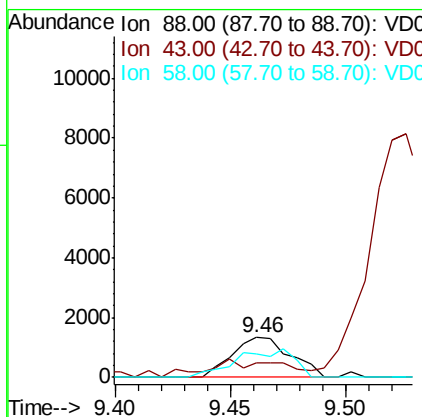
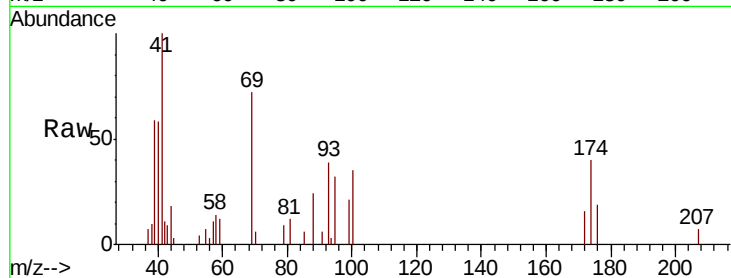




#49
1,4-Dioxane
Concen: 96.863 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

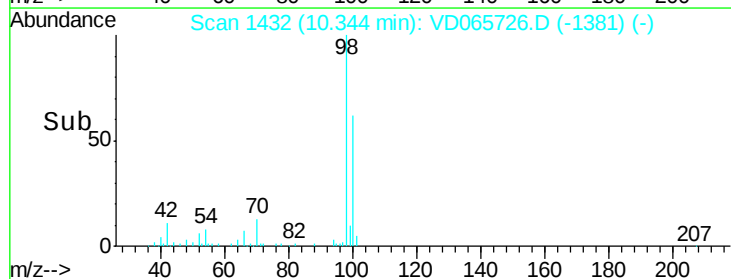
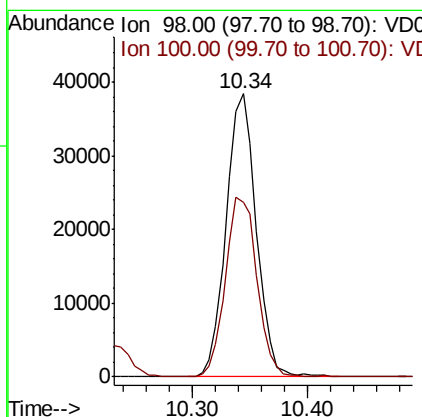
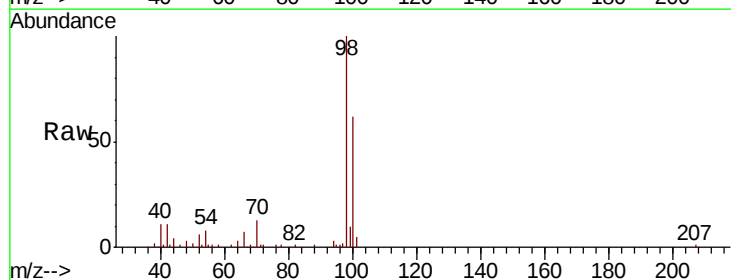
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

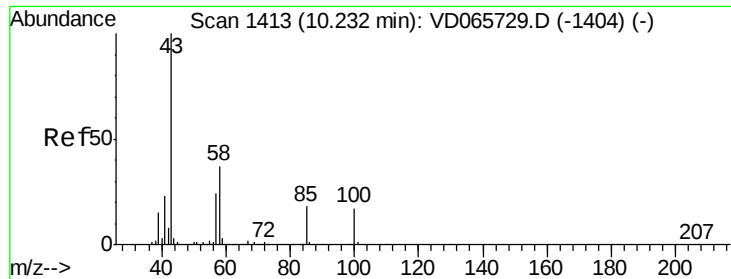
Tot Ion: 88 Resp: 2342
Ion Ratio Lower Upper
88 100
43 0.0 29.4 44.0#
58 70.0 55.1 82.7



#50
Toluene-d8
Concen: 5.155 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion: 98 Resp: 69528
Ion Ratio Lower Upper
98 100
100 66.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 20.897 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

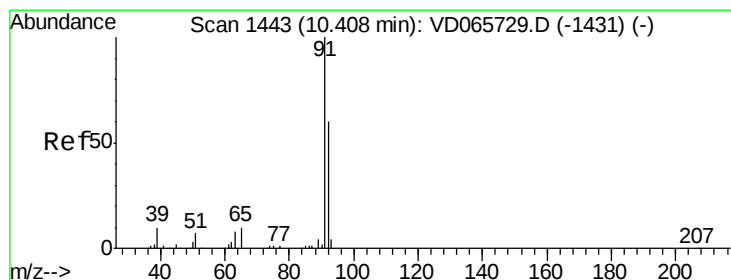
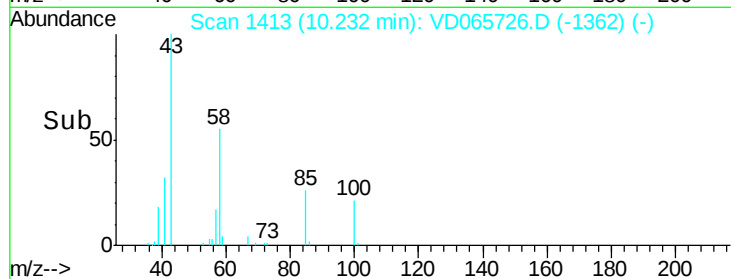
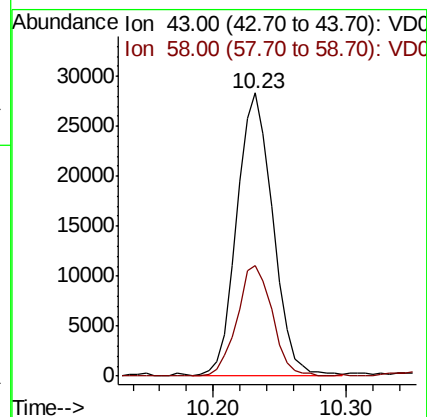
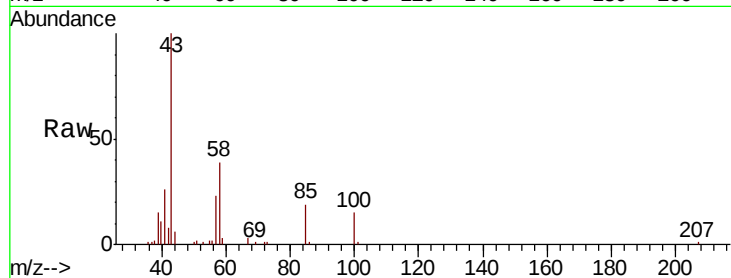
VSTDIC005

Tot Ion: 43 Resp: 53254

Ion Ratio Lower Upper

43 100

58 37.8 30.2 45.2



#52

Toluene

Concen: 4.897 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065726.D

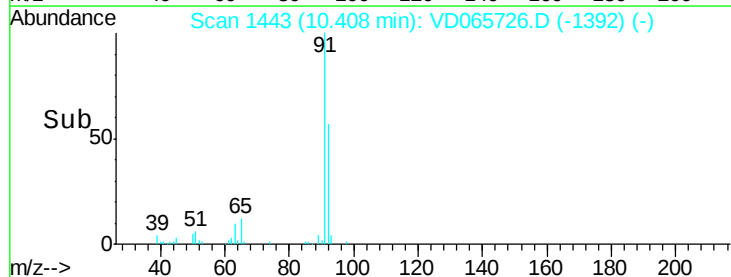
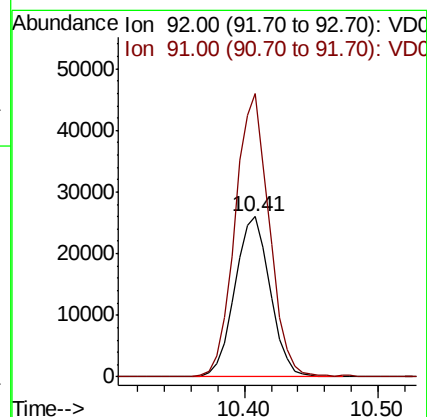
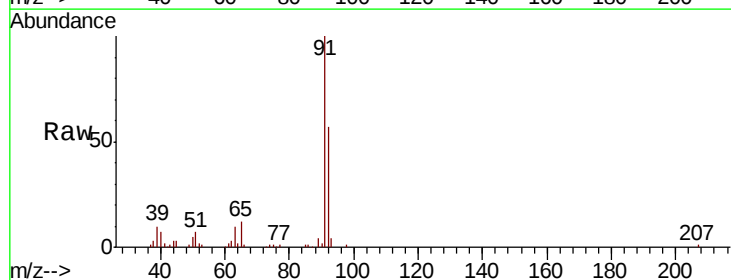
Acq: 13 May 2020 12:00

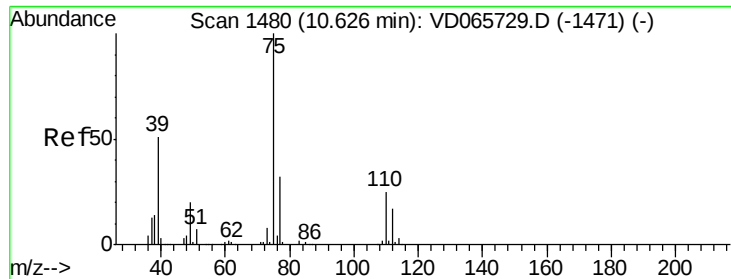
Tgt Ion: 92 Resp: 47715

Ion Ratio Lower Upper

92 100

91 171.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 4.551 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

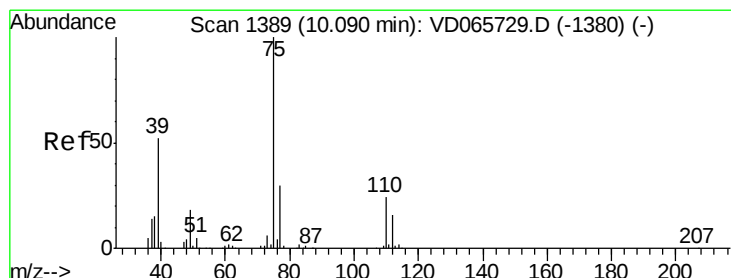
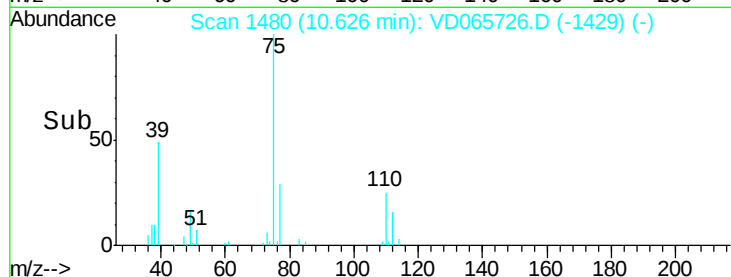
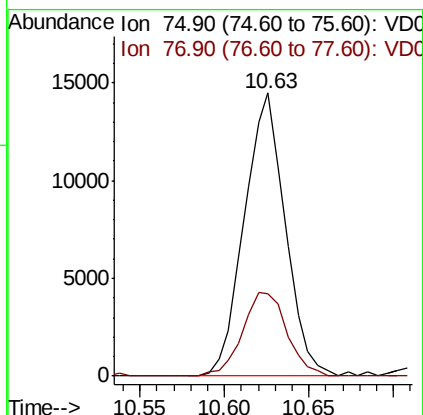
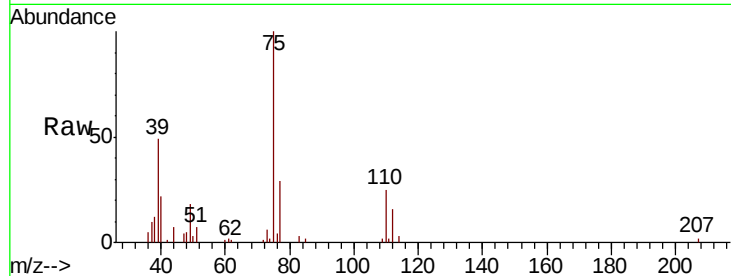
VSTDIC005

Tot Ion: 75 Resp: 24362

Ion Ratio Lower Upper

75 100

77 29.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 4.464 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

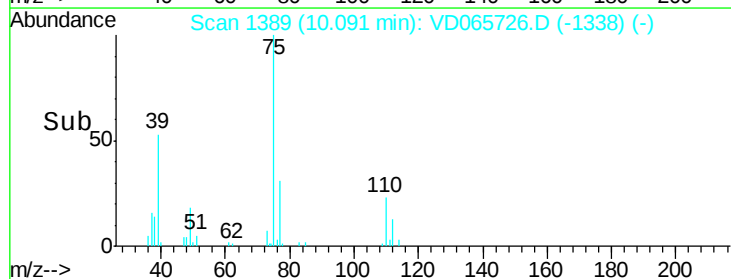
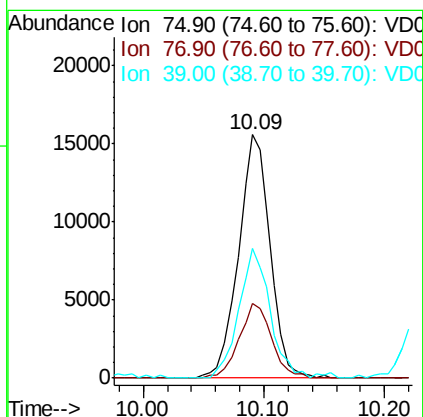
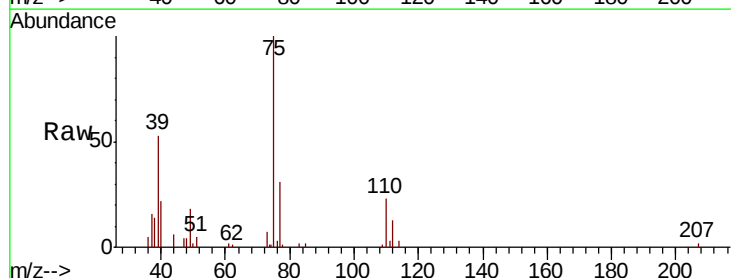
Tgt Ion: 75 Resp: 28307

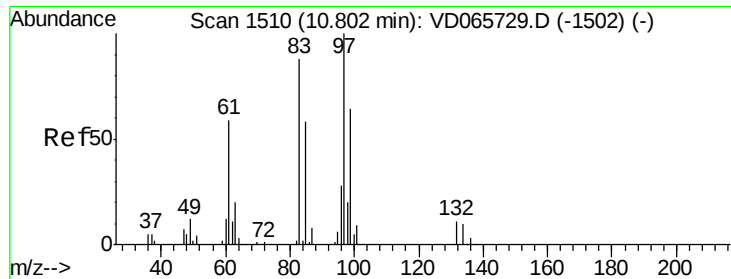
Ion Ratio Lower Upper

75 100

77 30.5 23.8 35.6

39 53.4 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 4.847 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 13001

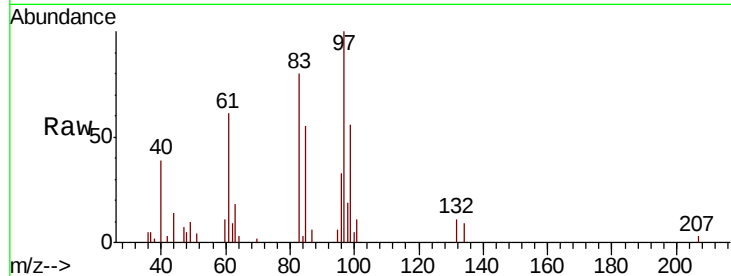
Ion Ratio Lower Upper

97 100

83 79.9 70.7 106.1

85 55.3 46.8 70.2

99 56.2 50.9 76.3

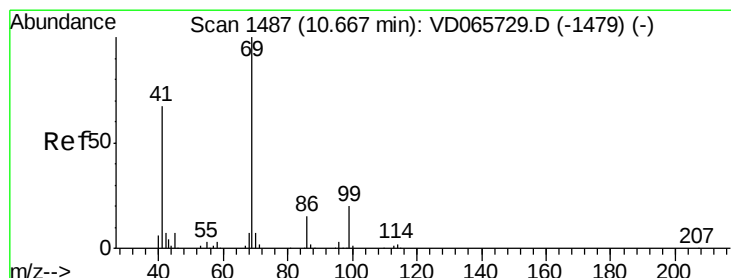
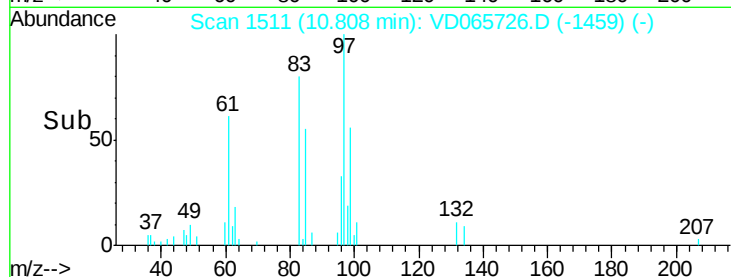
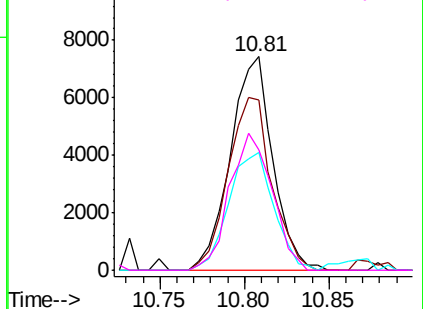


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 4.264 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

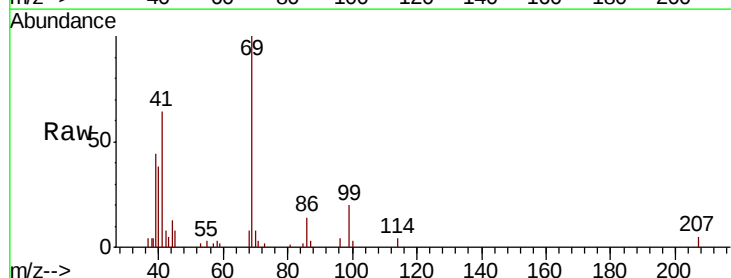
Tgt Ion: 69 Resp: 16329

Ion Ratio Lower Upper

69 100

41 75.6 55.7 83.5

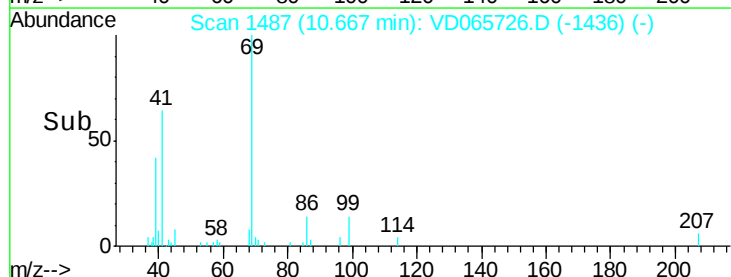
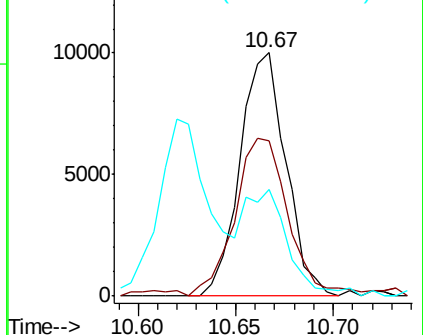
39 41.5 28.6 43.0

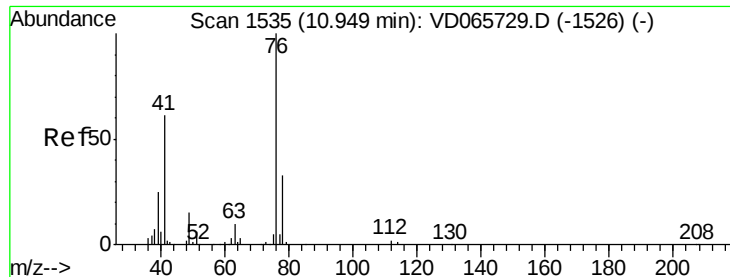


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 4.796 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

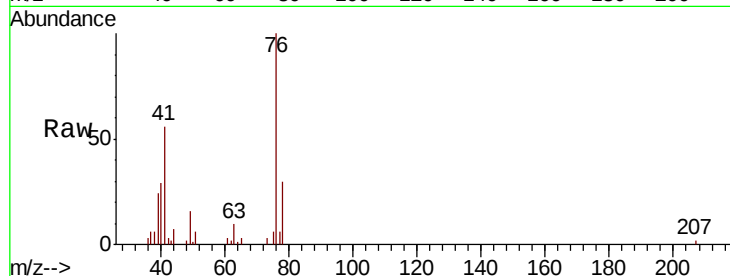
VSTDIC005

Tot Ion: 76 Resp: 23043

Ion Ratio Lower Upper

76 100

78 32.7 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

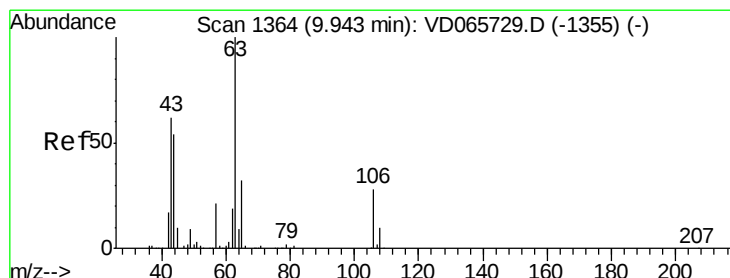
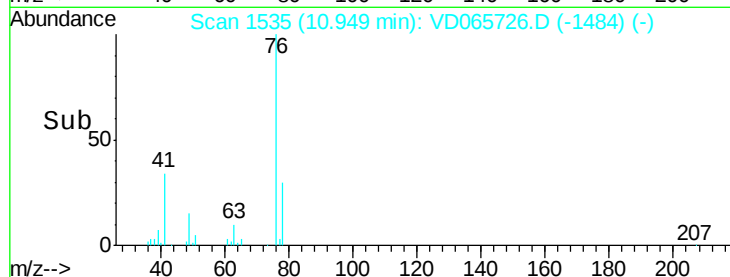
15000

10000

5000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 22.885 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065726.D

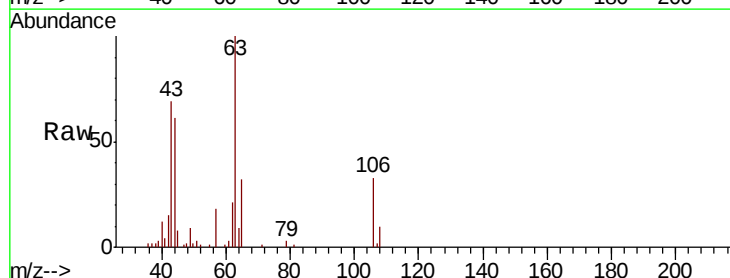
Acq: 13 May 2020 12:00

Tgt Ion: 63 Resp: 40558

Ion Ratio Lower Upper

63 100

106 30.0 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

25000

20000

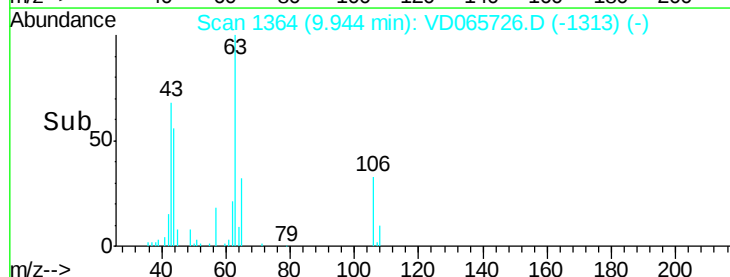
15000

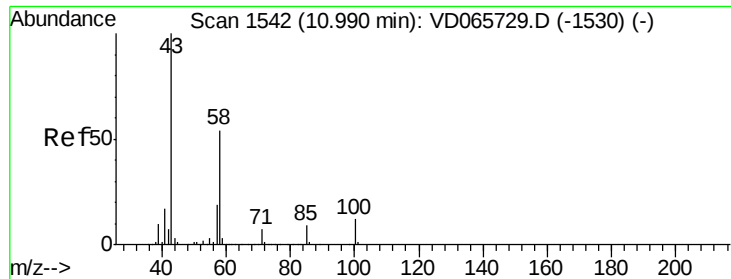
10000

5000

0

Time-->

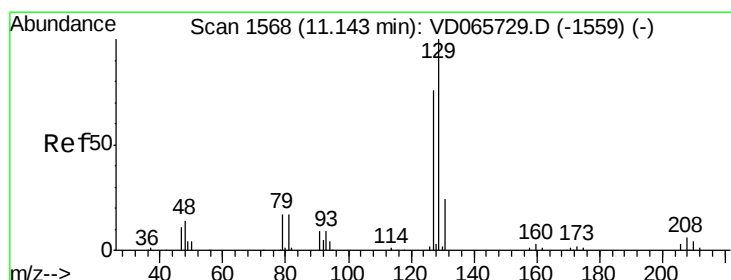
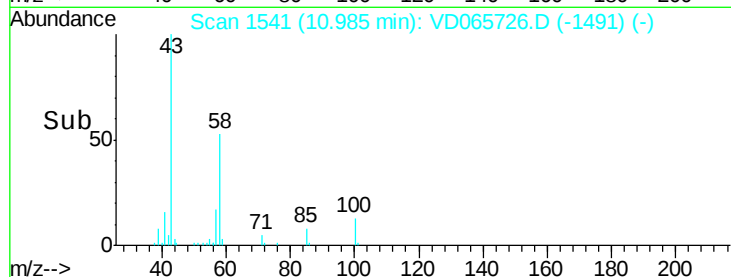
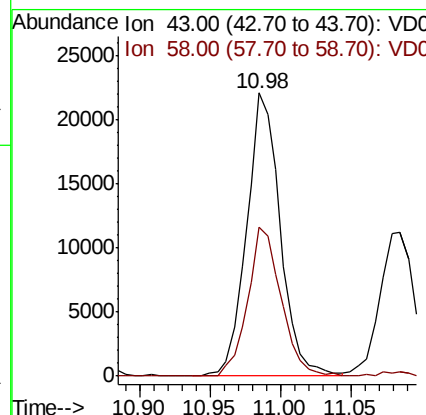
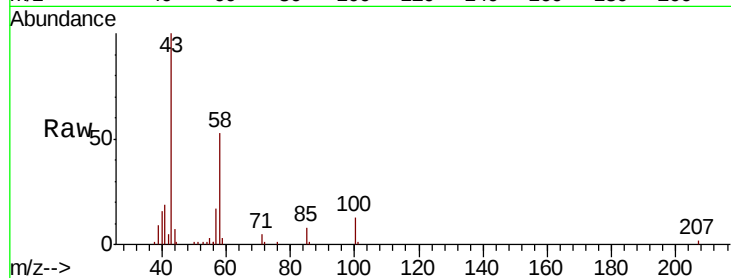




#59
2-Hexanone
Concen: 21.113 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

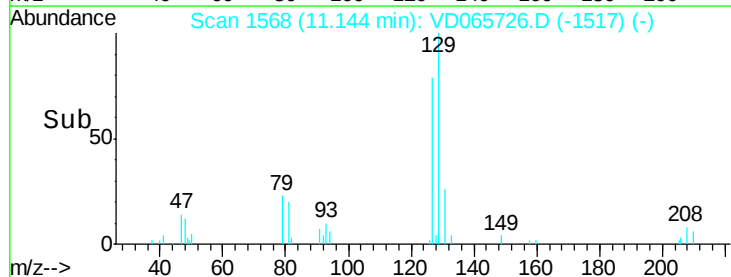
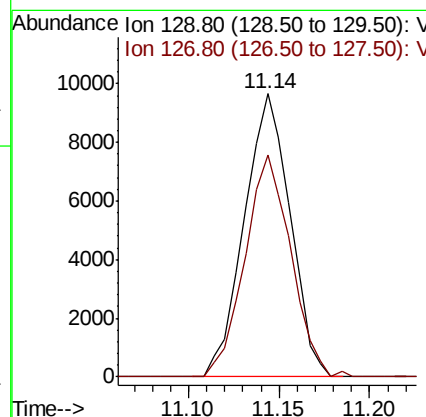
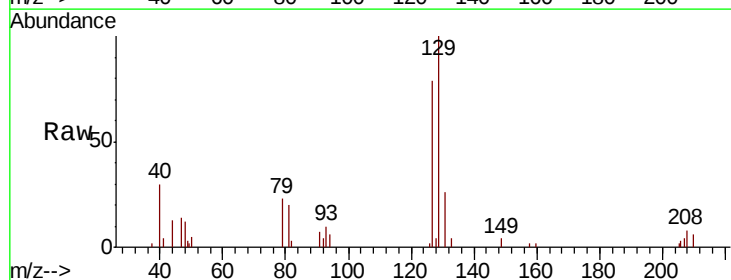
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

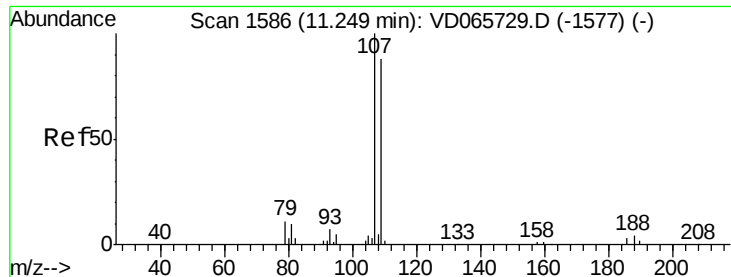
Tot Ion: 43 Resp: 36863
Ion Ratio Lower Upper
43 100
58 52.3 26.7 80.1



#60
Dibromochloromethane
Concen: 4.669 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion: 129 Resp: 16959
Ion Ratio Lower Upper
129 100
127 78.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 4.927 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

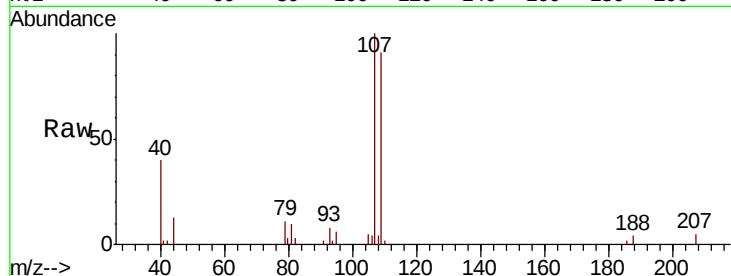
VSTDIC005

Tot Ion:107 Resp: 13298

Ion Ratio Lower Upper

107 100

109 92.8 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

8000

6000

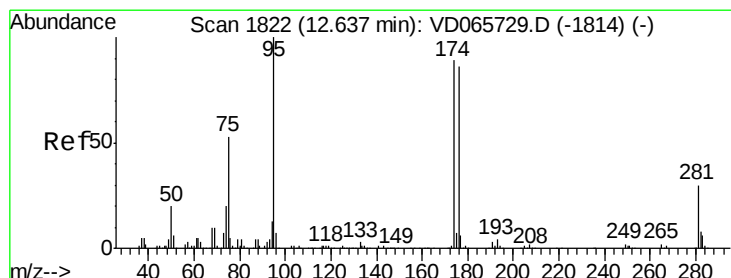
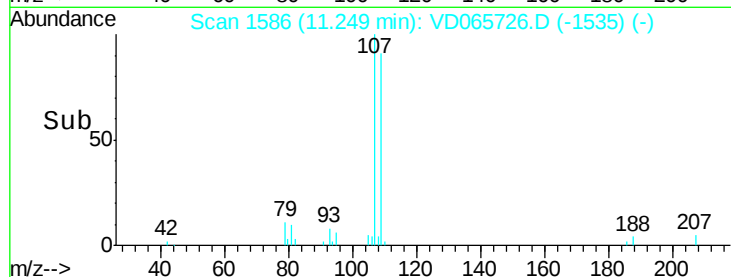
4000

2000

0

Time-->

11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 4.936 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

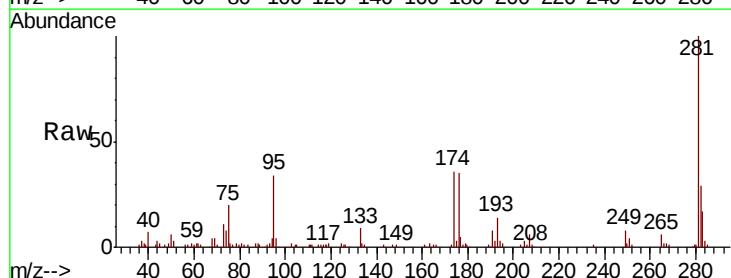
Tgt Ion: 95 Resp: 23477

Ion Ratio Lower Upper

95 100

174 93.7 0.0 179.4

176 91.3 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

15000

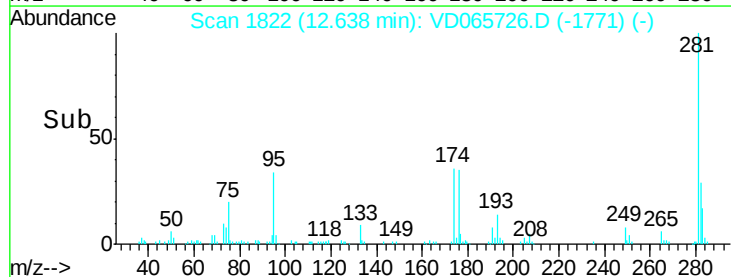
10000

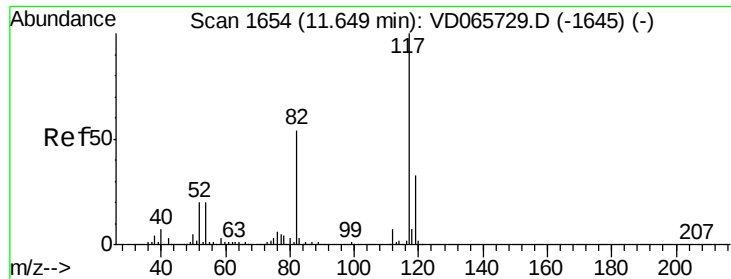
5000

0

Time-->

12.55 12.60 12.65 12.70

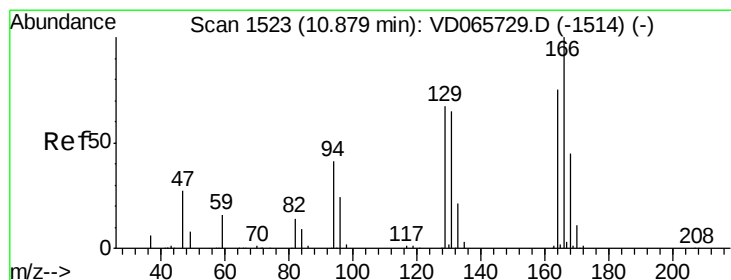
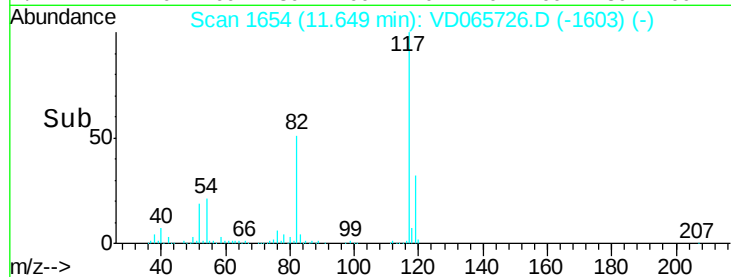
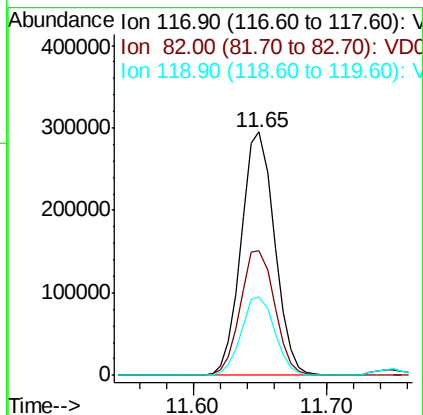
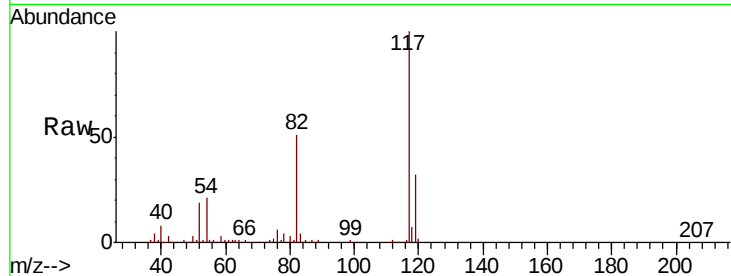




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

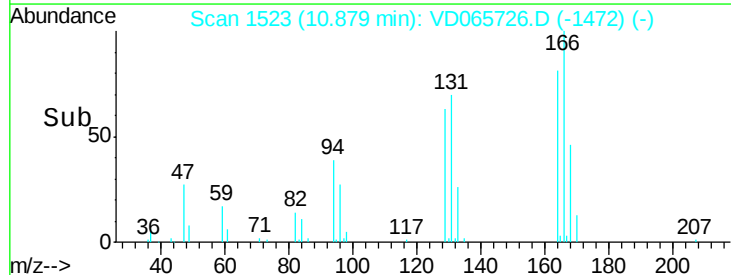
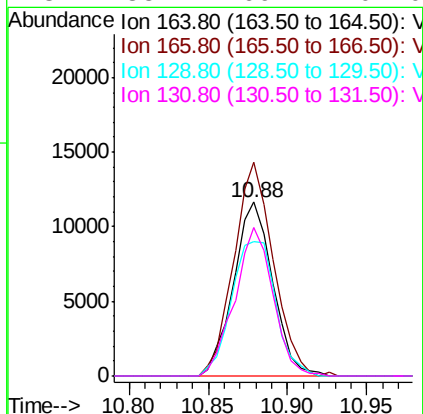
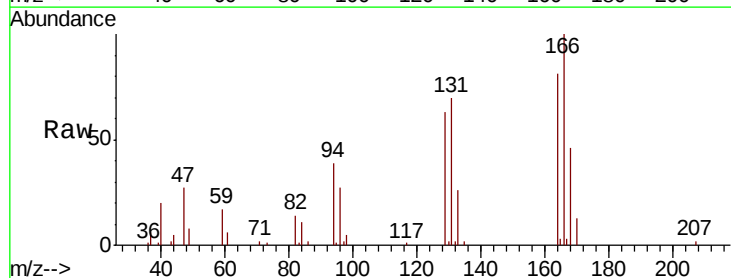
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

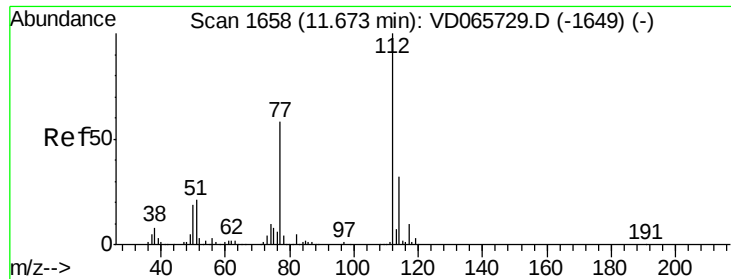
Tot Ion:117 Resp: 511352
Ion Ratio Lower Upper
117 100
82 51.2 43.0 64.6
119 32.2 26.6 40.0



#64
Tetrachloroethene
Concen: 5.536 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion:164 Resp: 19931
Ion Ratio Lower Upper
164 100
166 123.1 106.6 159.8
129 77.3 71.4 107.2
131 85.7 69.4 104.0

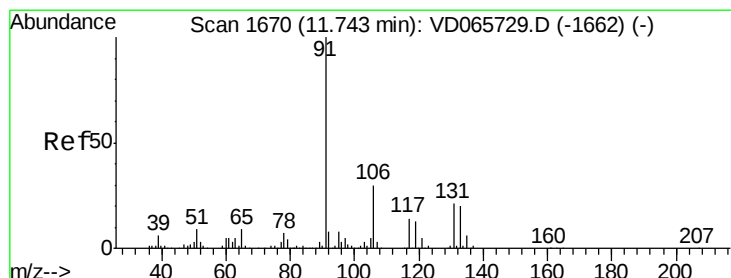
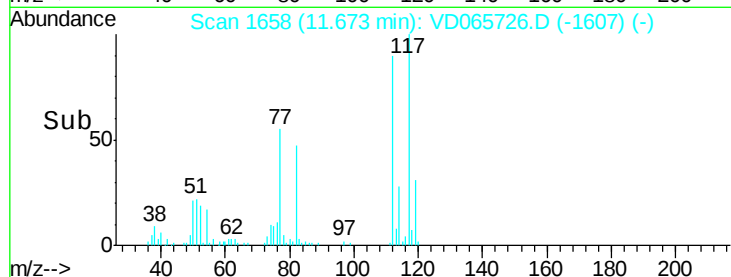
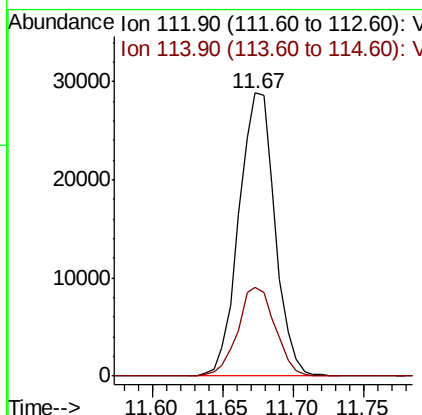
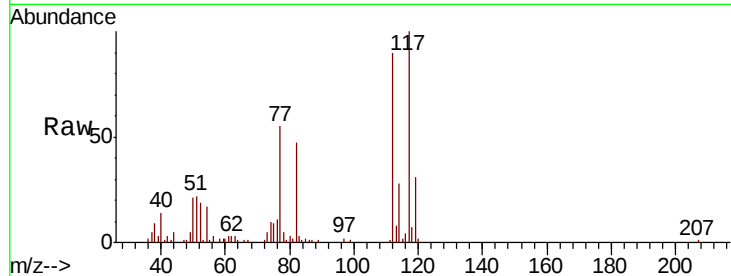




#65
Chlorobenzene
Concen: 5.073 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

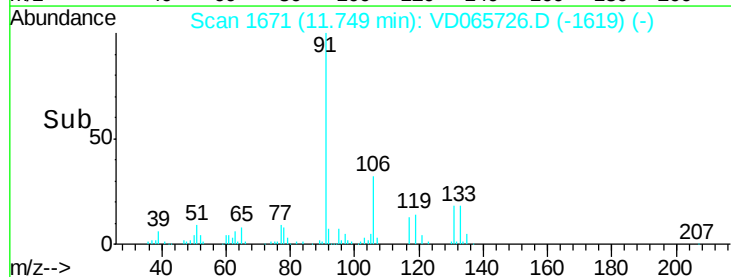
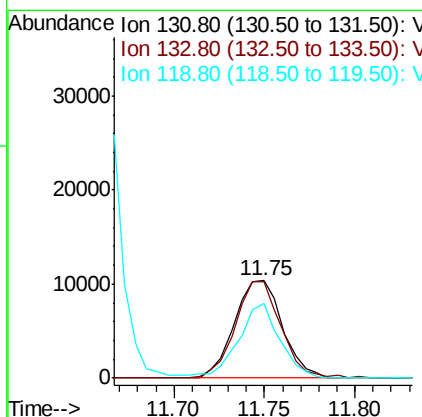
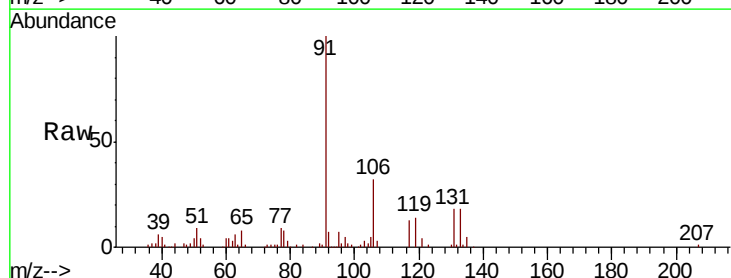
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

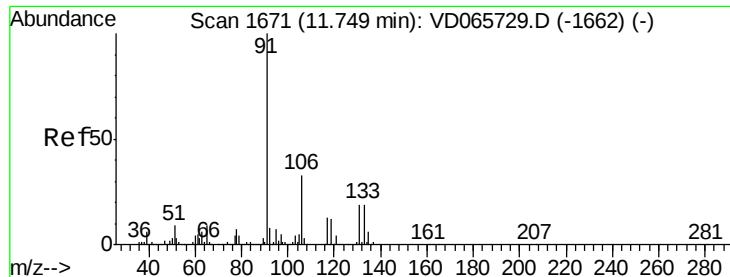
Tot Ion:112 Resp: 51546
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.057 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion:131 Resp: 19127
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.8
119 65.8 31.6 95.0





#67

Ethyl Benzene

Concen: 4.797 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

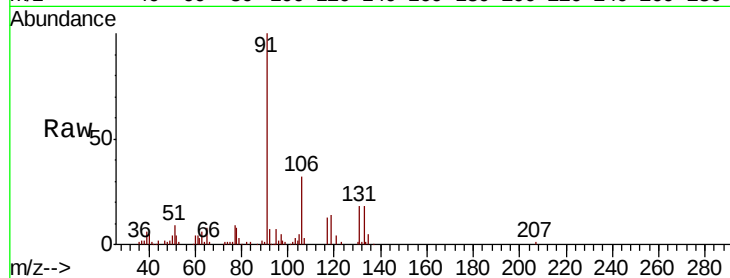
VSTDIC005

Tot Ion: 91 Resp: 90334

Ion Ratio Lower Upper

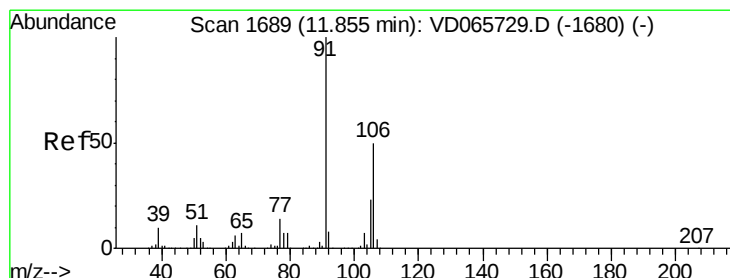
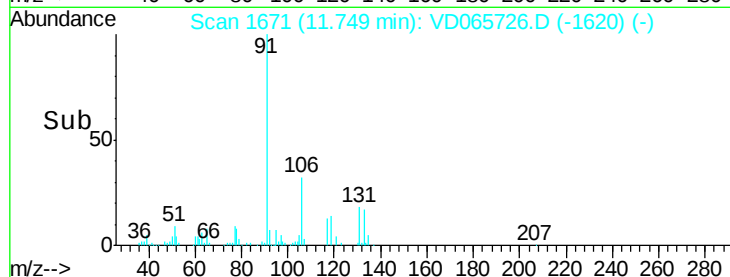
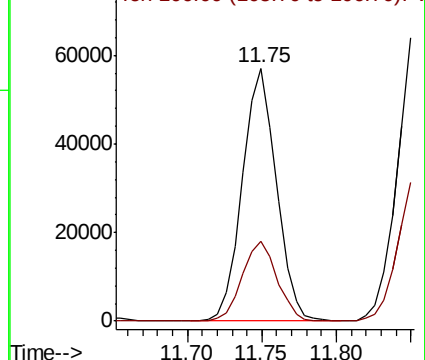
91 100

106 31.7 26.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 9.751 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065726.D

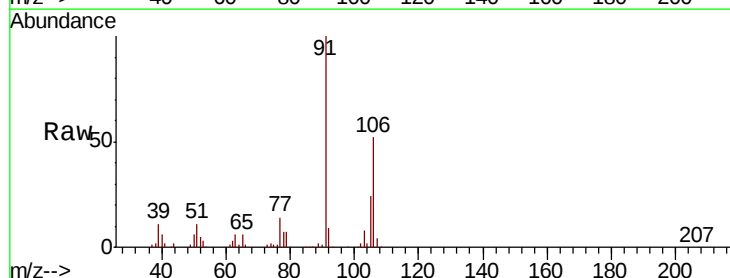
Acq: 13 May 2020 12:00

Tgt Ion: 106 Resp: 68719

Ion Ratio Lower Upper

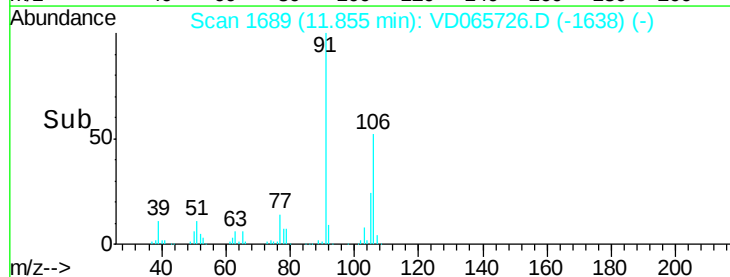
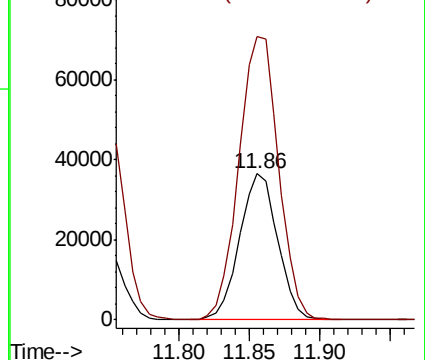
106 100

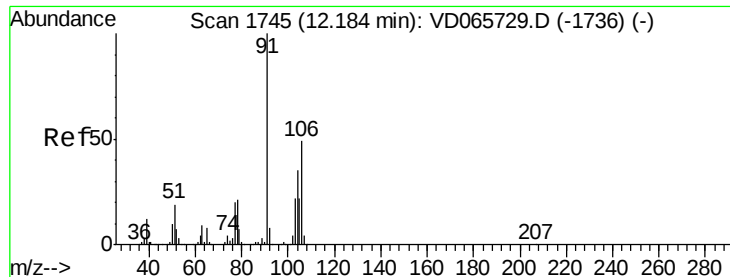
91 203.3 158.7 238.1



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

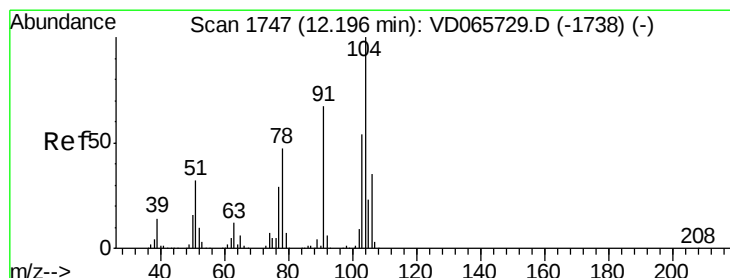
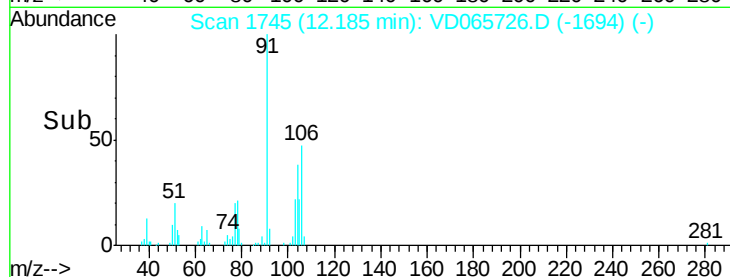
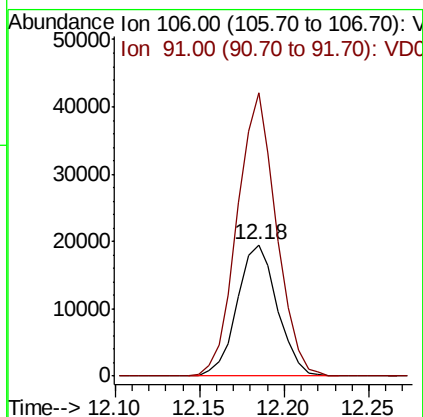
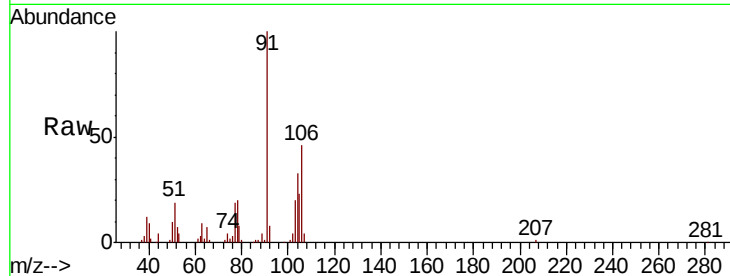




#69
o-Xylene
Concen: 4.902 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

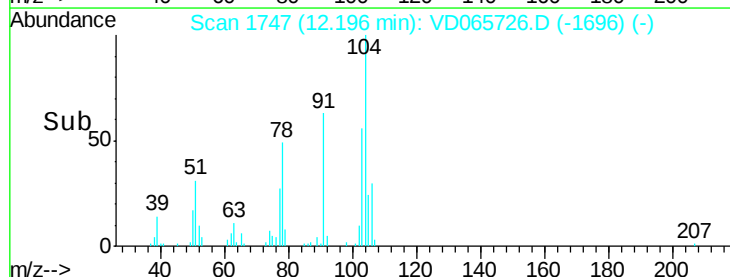
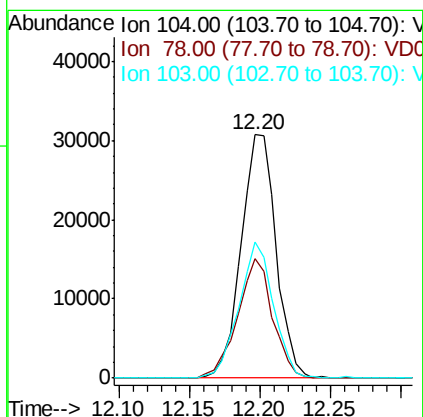
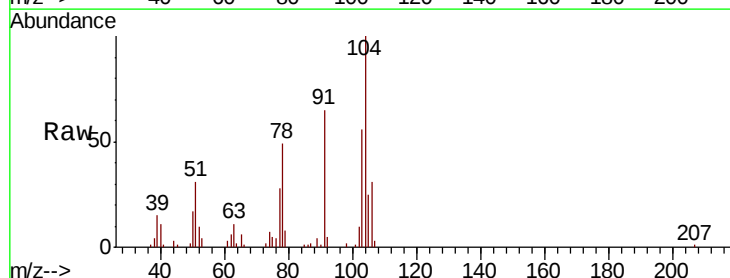
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

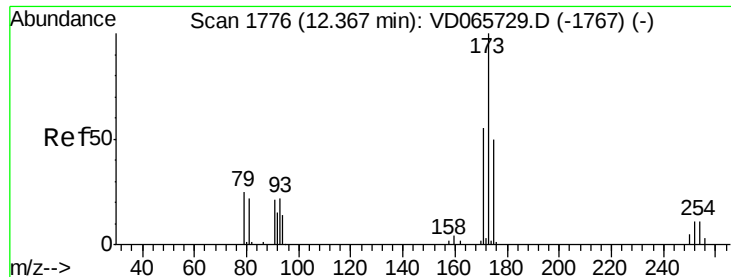
Tot Ion:106 Resp: 32247
Ion Ratio Lower Upper
106 100
91 209.9 101.8 305.4



#70
Styrene
Concen: 4.718 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion:104 Resp: 53240
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.6
103 55.5 44.0 66.0





#71

Bromoform

Concen: 4.469 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

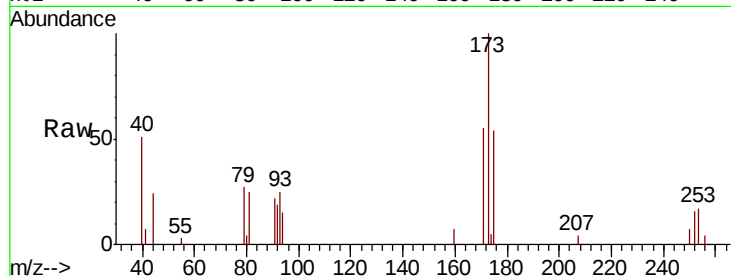
Tot Ion:173 Resp: 9522

Ion Ratio Lower Upper

173 100

175 54.6 24.6 73.6

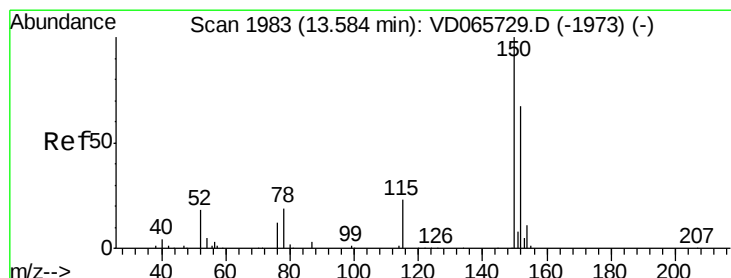
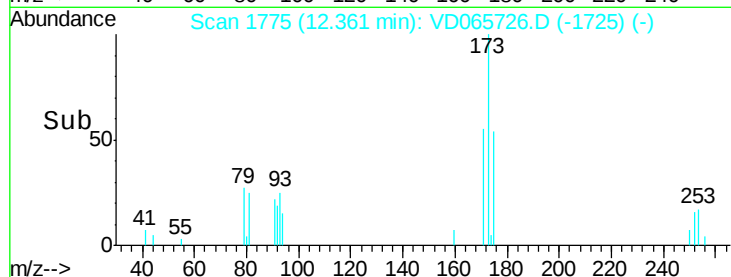
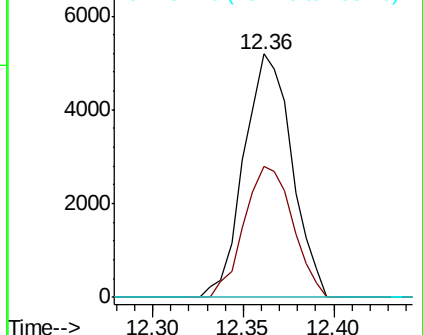
254 0.0 0.0 0.0



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: VD065726.D

Acq: 13 May 2020 12:00

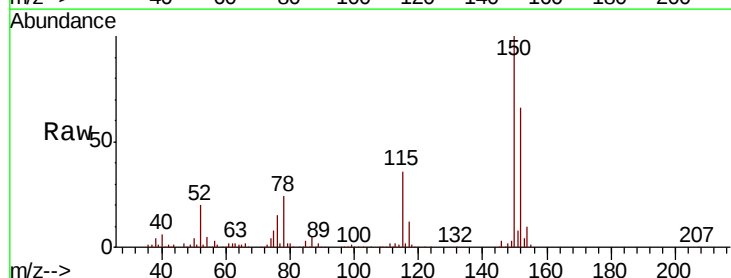
Tgt Ion:152 Resp: 249535

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.3

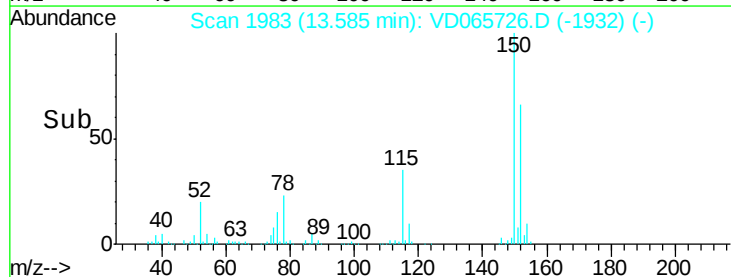
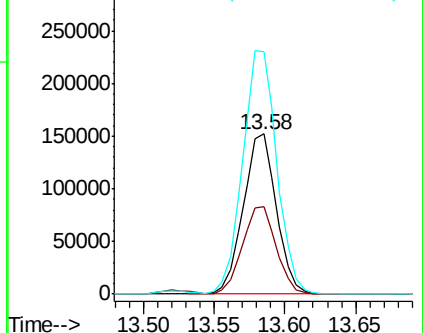
150 157.4 0.0 343.2

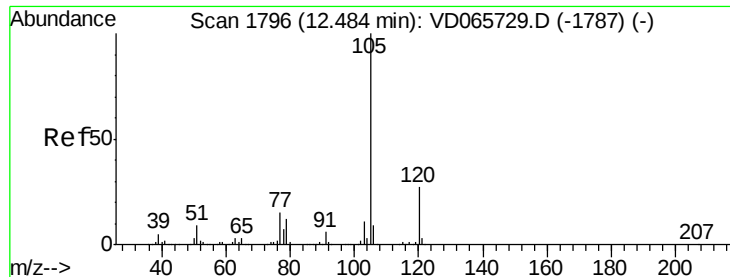


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.786 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

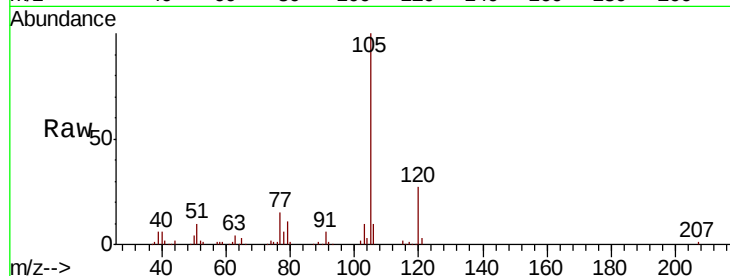
VSTDIC005

Tot Ion:105 Resp: 88537

Ion Ratio Lower Upper

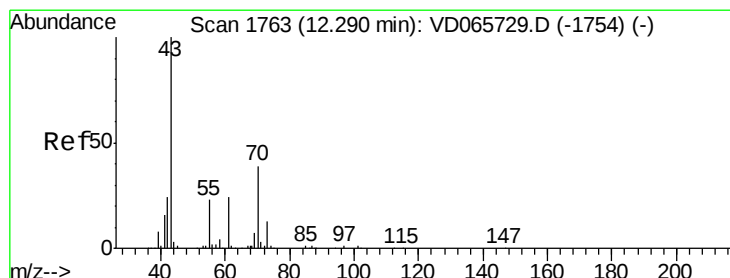
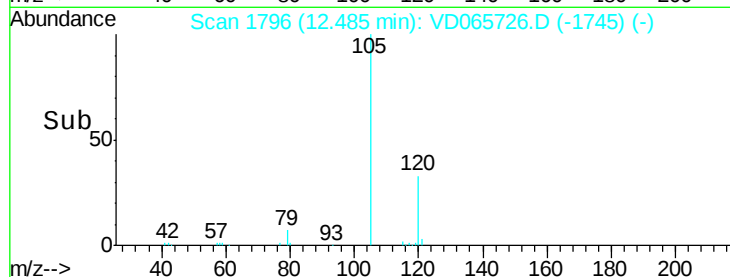
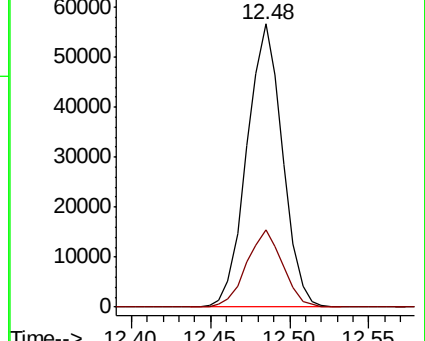
105 100

120 27.5 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: 3.777 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Tgt Ion: 43 Resp: 19403

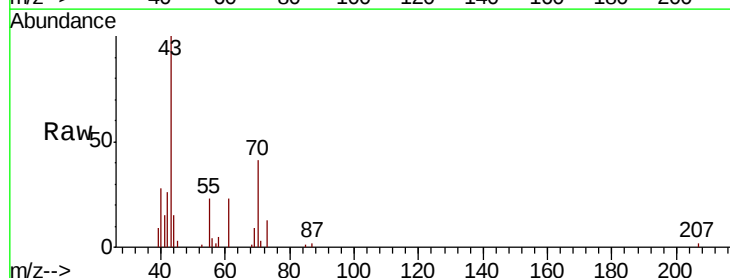
Ion Ratio Lower Upper

43 100

70 44.6 31.8 47.6

55 23.0 17.9 26.9

61 22.8 19.0 28.6

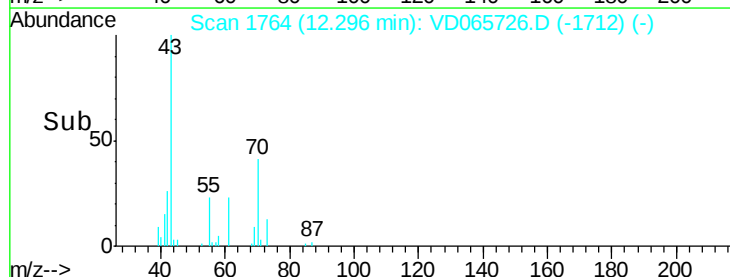
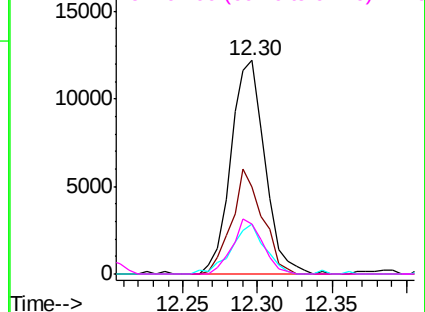


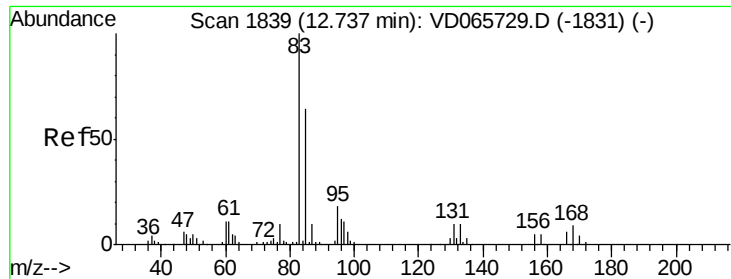
Abundance Ion 43.00 (42.70 to 43.70): V

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: 4.550 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

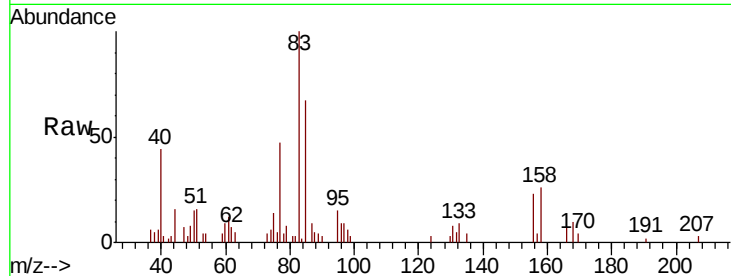
Tot Ion: 83 Resp: 13999

Ion Ratio Lower Upper

83 100

131 10.3 5.9 17.6

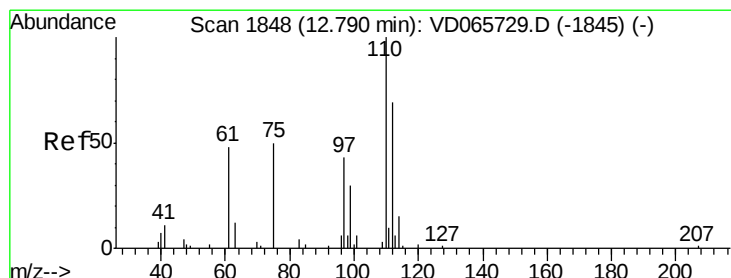
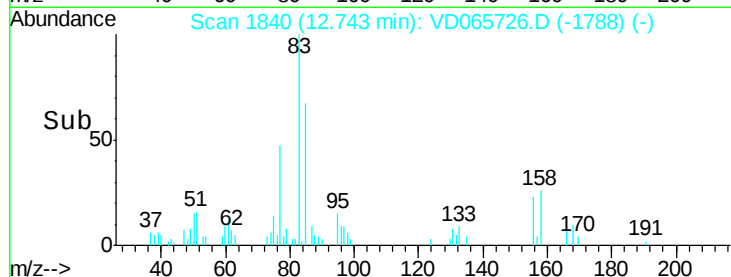
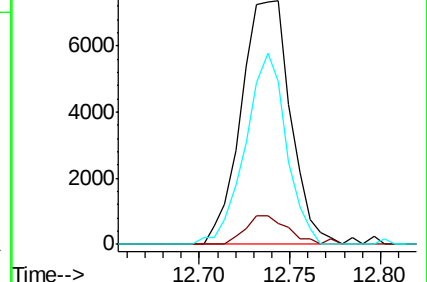
85 64.9 32.5 97.4



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: 9.290 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065726.D

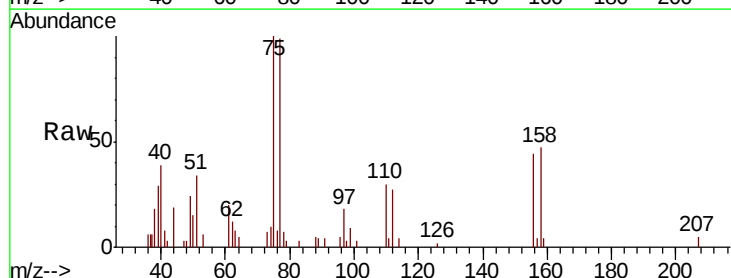
Acq: 13 May 2020 12:00

Tgt Ion: 75 Resp: 19231

Ion Ratio Lower Upper

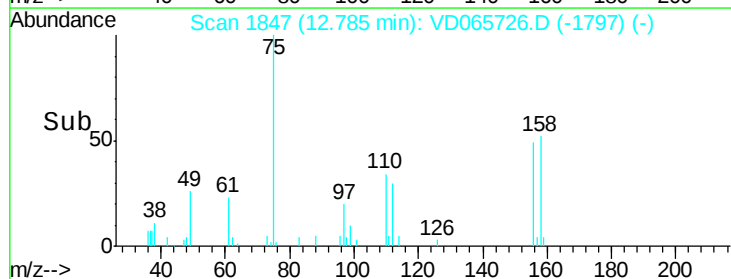
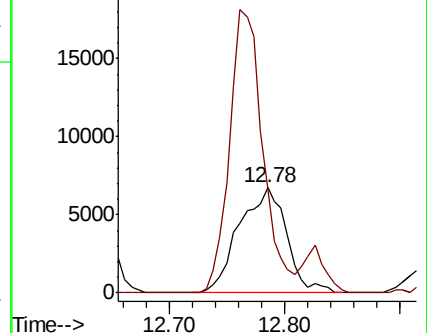
75 100

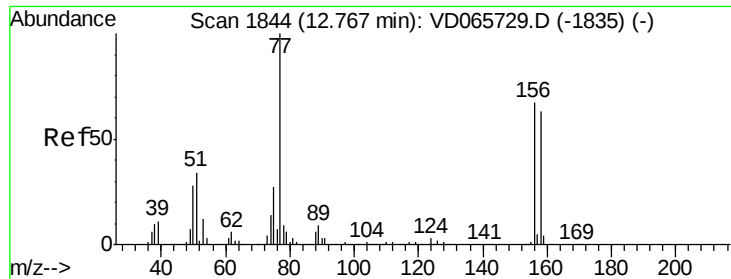
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.912 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

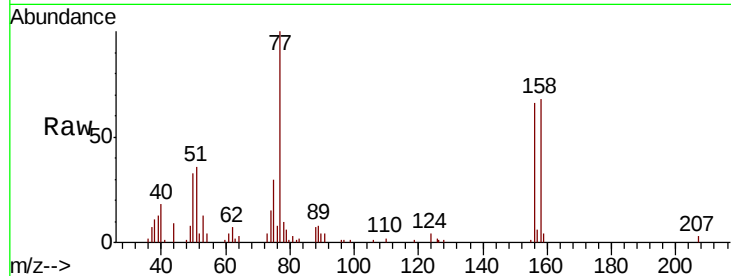
Tot Ion:156 Resp: 21002

Ion Ratio Lower Upper

156 100

77 173.2 84.9 254.6

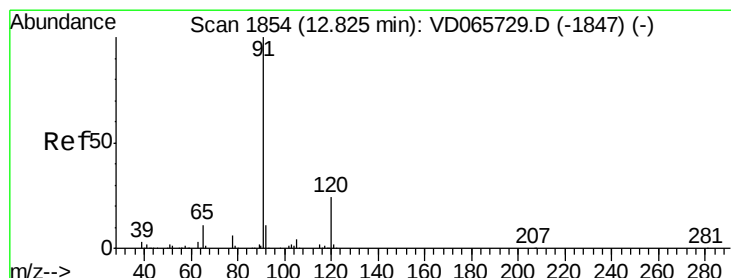
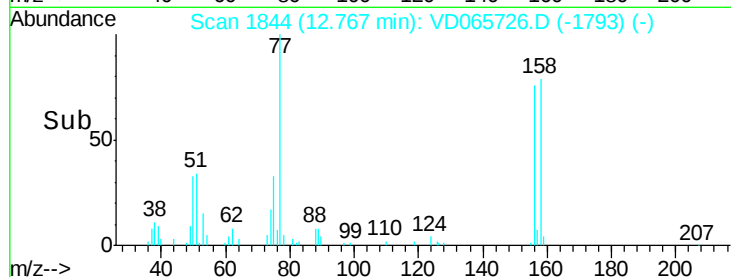
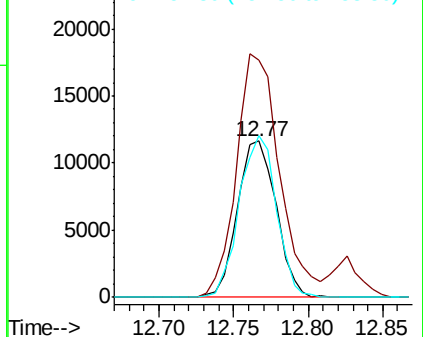
158 99.0 48.8 146.4



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: 4.859 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065726.D

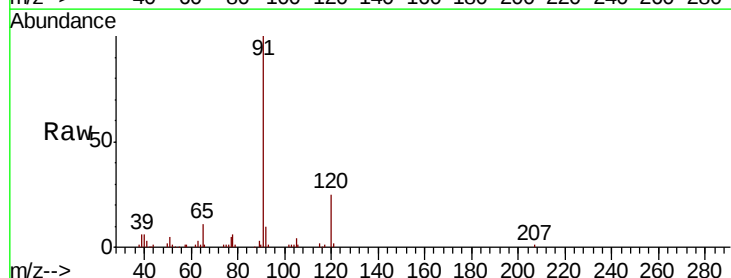
Acq: 13 May 2020 12:00

Tgt Ion: 91 Resp: 105521

Ion Ratio Lower Upper

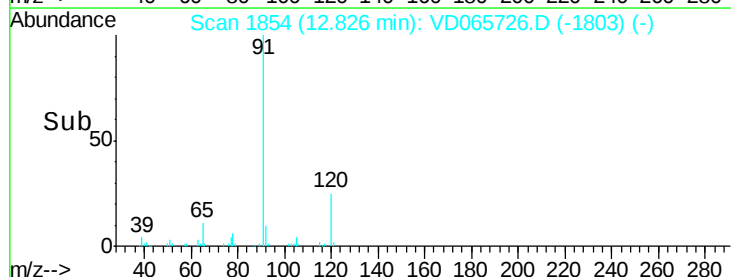
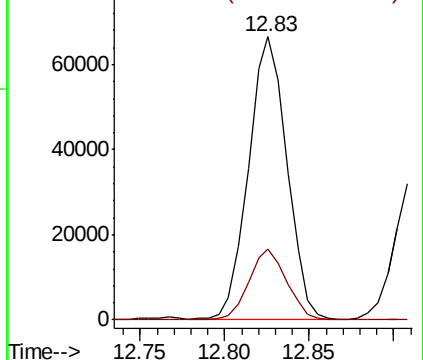
91 100

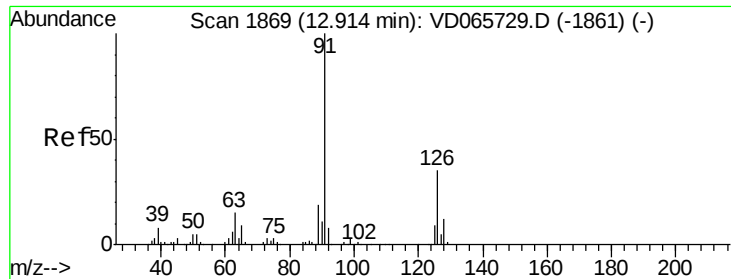
120 24.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

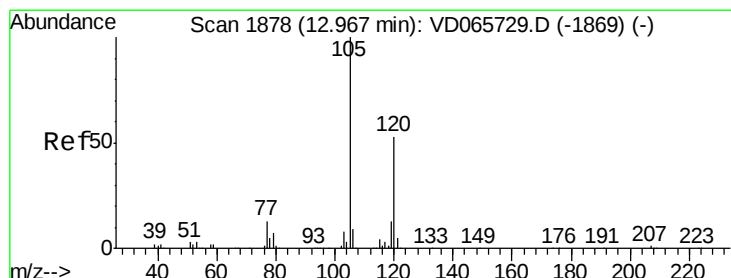
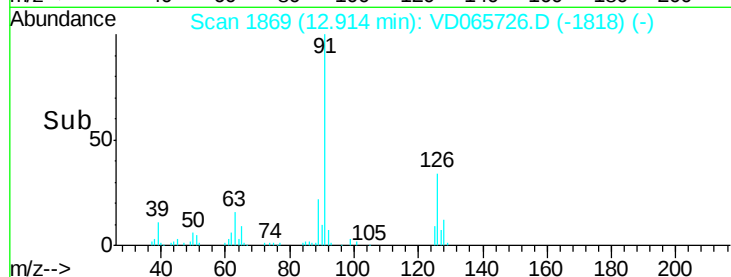
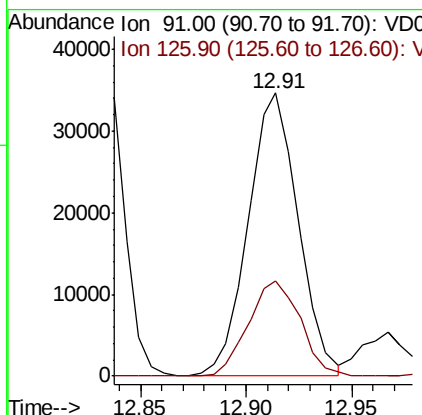
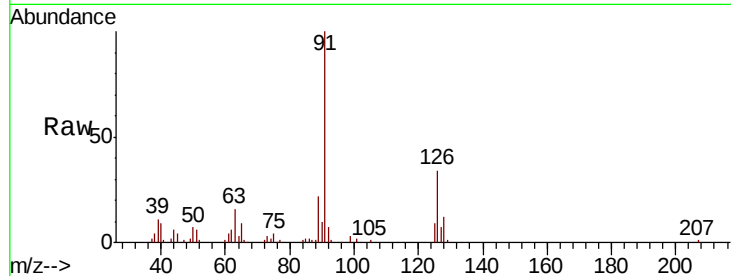




#79
 2-Chlorotoluene
 Concen: 4.652 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

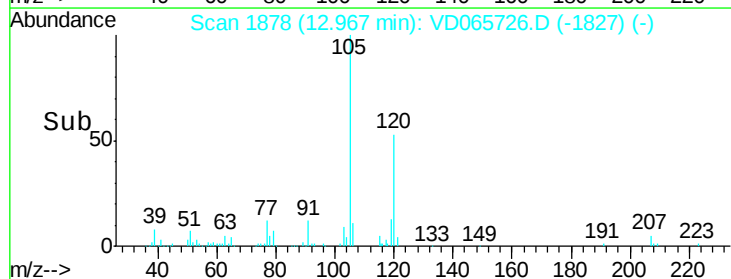
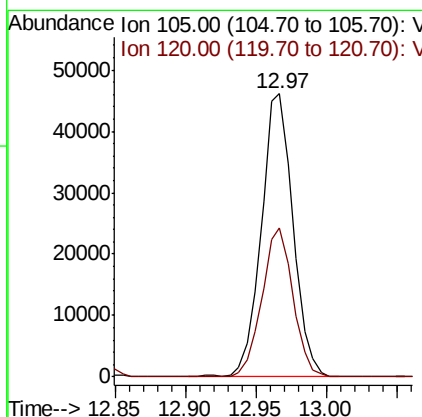
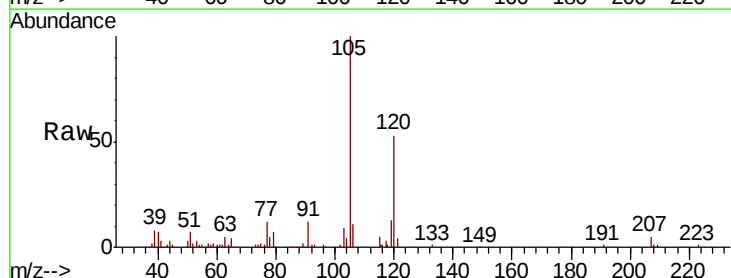
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

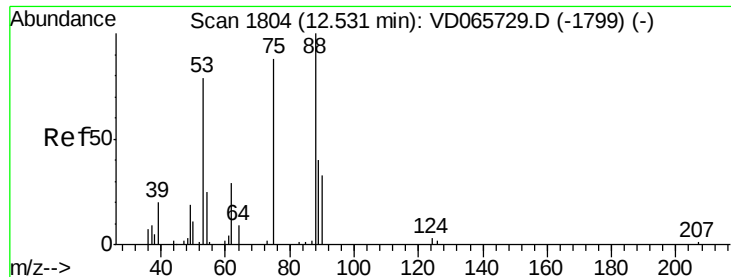
Tot Ion: 91 Resp: 57006
 Ion Ratio Lower Upper
 91 100
 126 35.0 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 4.806 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

Tgt Ion: 105 Resp: 72815
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.211 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

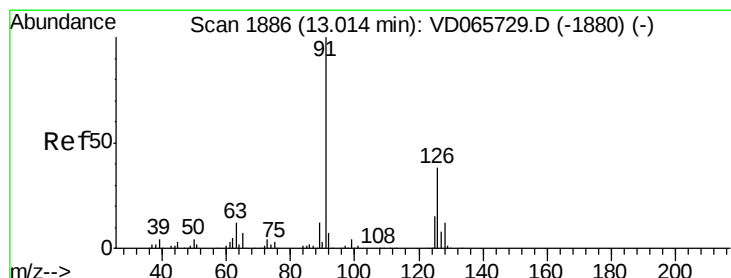
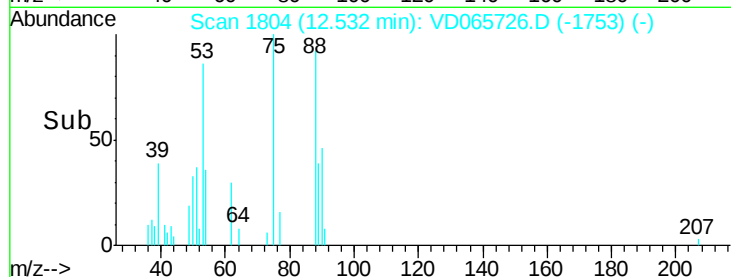
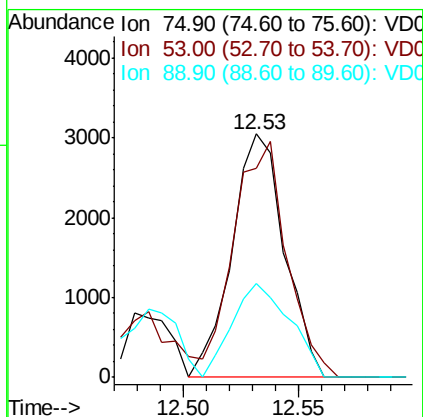
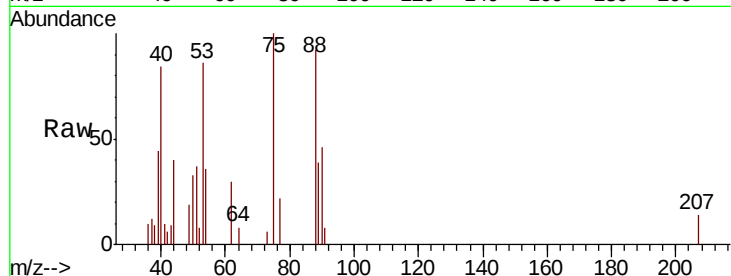
Tot Ion: 75 Resp: 4841

Ion Ratio Lower Upper

75 100

53 97.5 72.6 109.0

89 42.1 37.0 55.4



#82

4-Chlorotoluene

Concen: 4.805 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065726.D

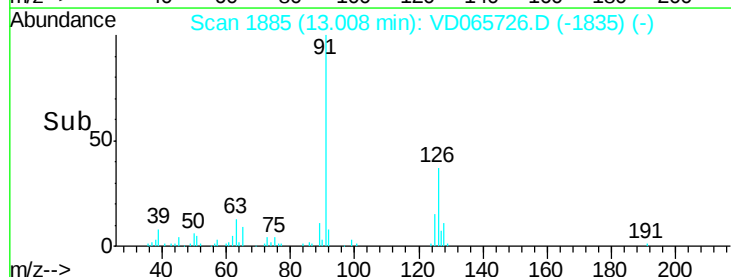
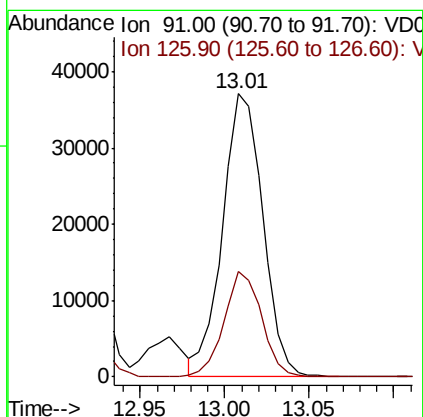
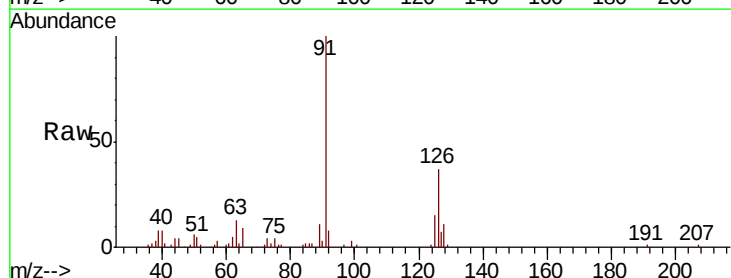
Acq: 13 May 2020 12:00

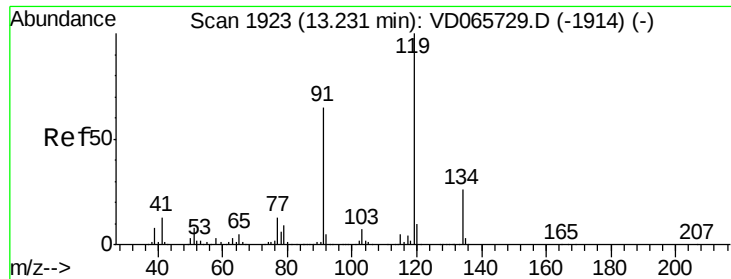
Tgt Ion: 91 Resp: 61697

Ion Ratio Lower Upper

91 100

126 34.5 17.8 53.3

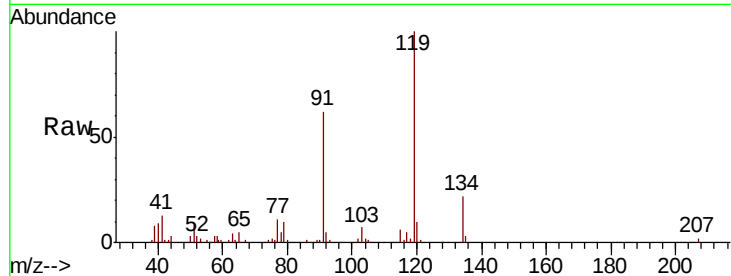




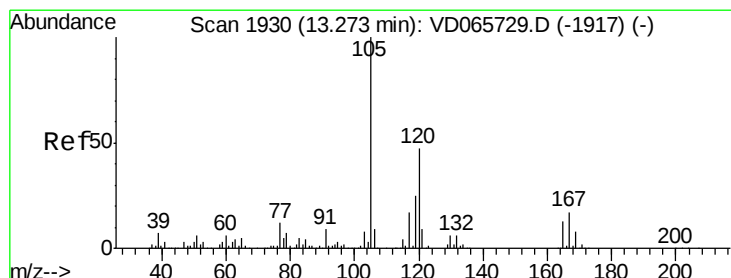
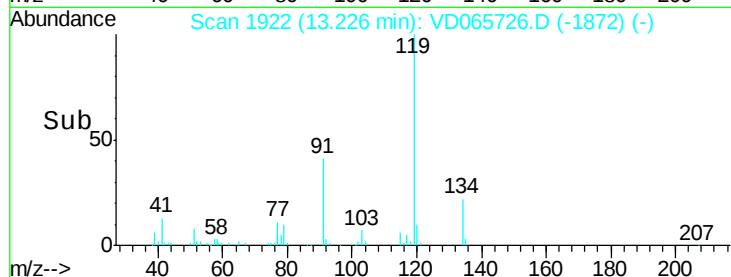
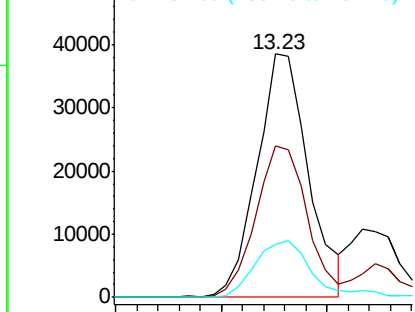
#83
tert-Butylbenzene
Concen: 5.026 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:119 Resp: 65292
Ion Ratio Lower Upper
119 100
91 62.2 31.6 95.0
134 26.0 12.7 38.1

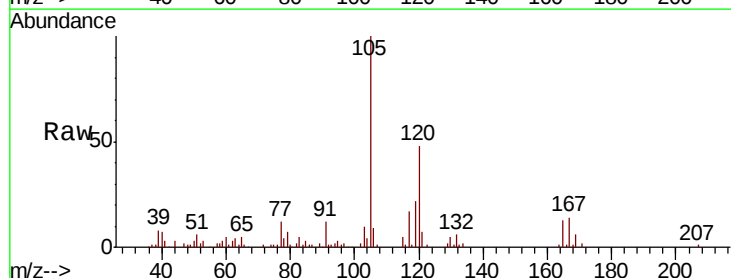


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

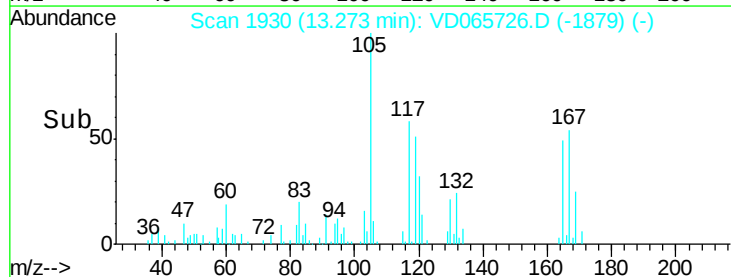
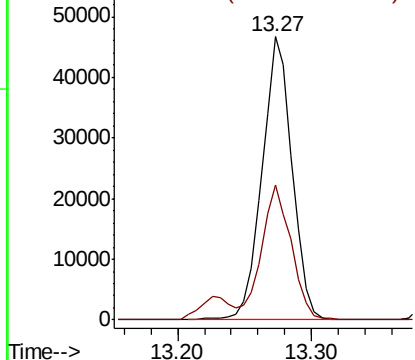


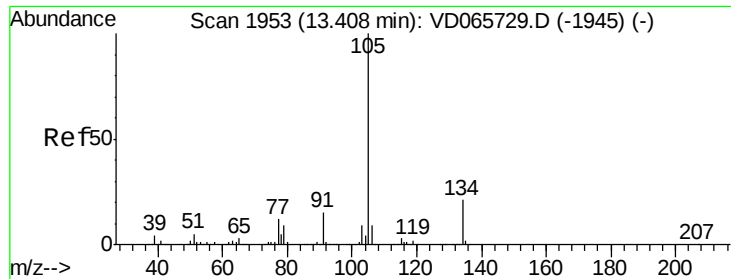
#84
1,2,4-Trimethylbenzene
Concen: 4.778 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion:105 Resp: 72227
Ion Ratio Lower Upper
105 100
120 47.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.901 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

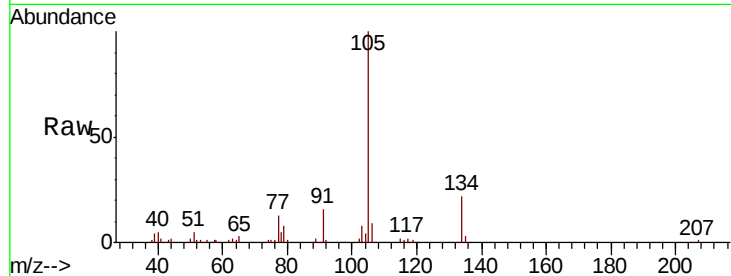
VSTDIC005

Tot Ion:105 Resp: 88642

Ion Ratio Lower Upper

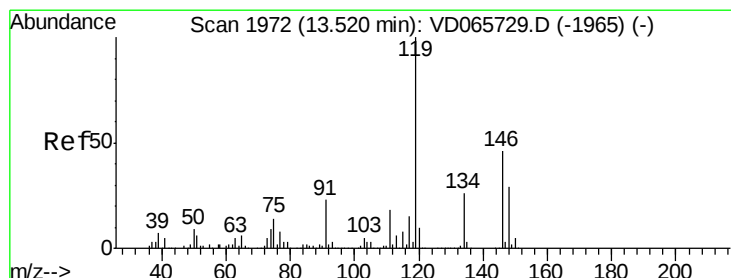
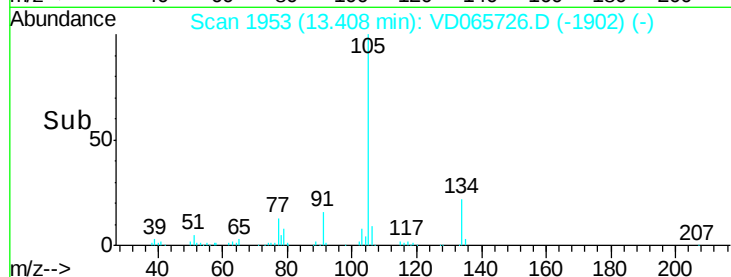
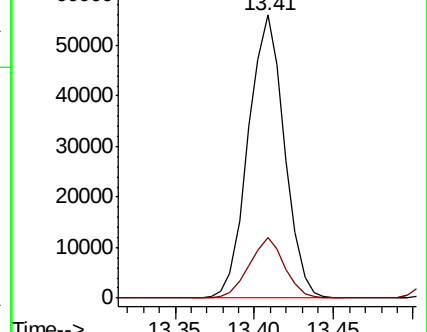
105 100

134 20.9 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: 4.873 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

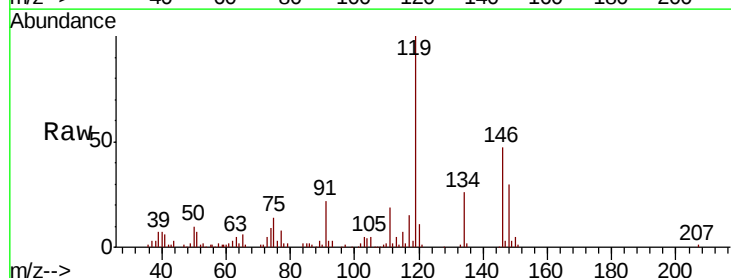
Tgt Ion:119 Resp: 80591

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

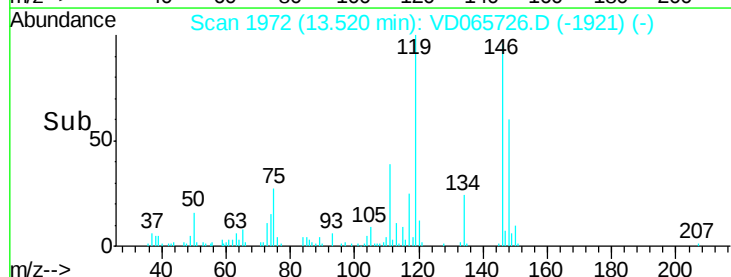
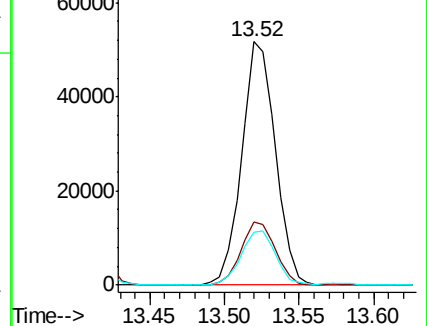
91 22.9 11.7 35.1

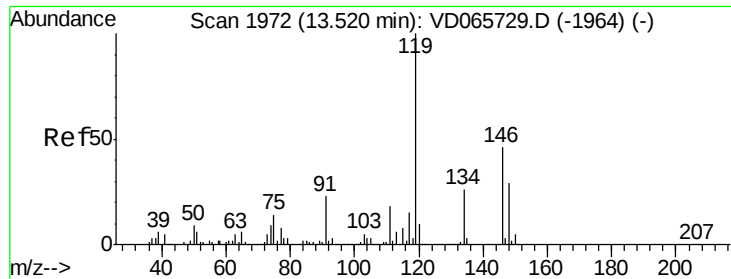


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

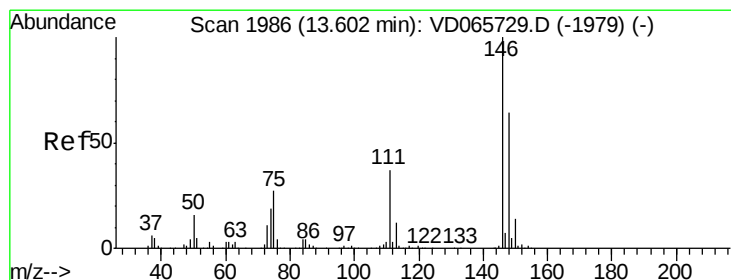
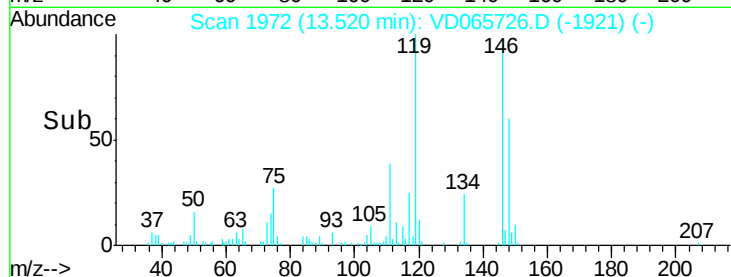
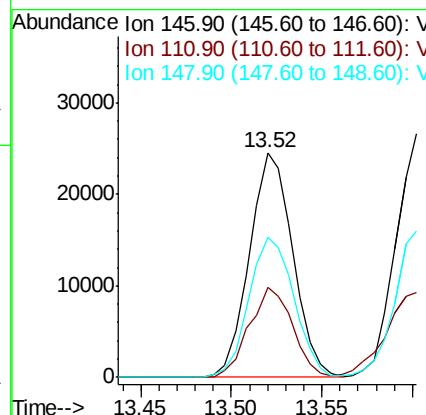
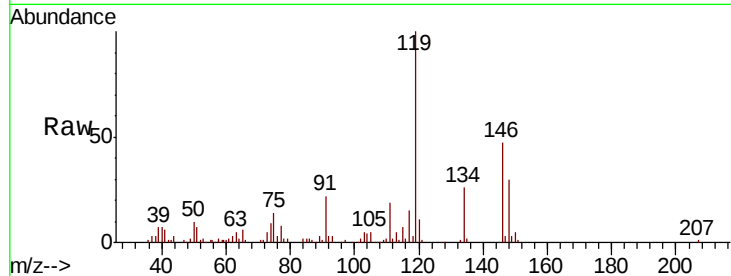




#87
 1,3-Dichlorobenzene
 Concen: 5.075 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

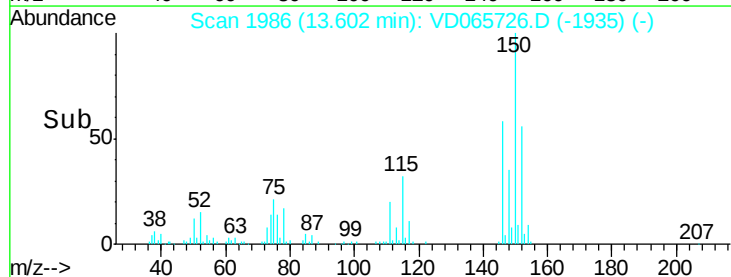
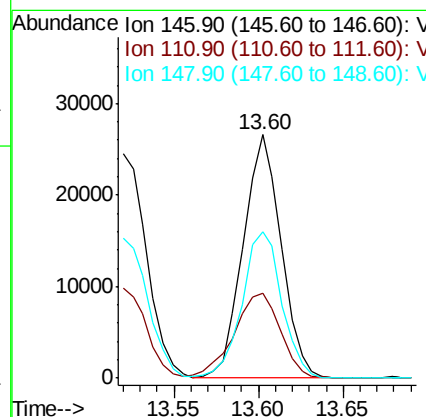
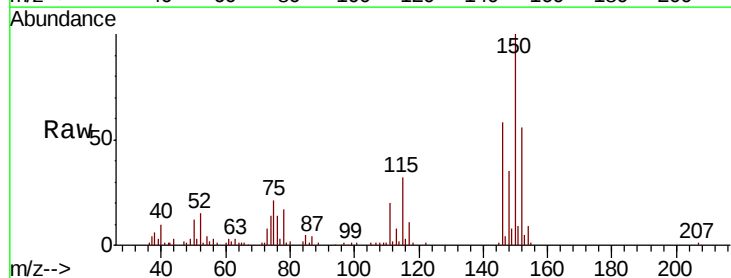
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

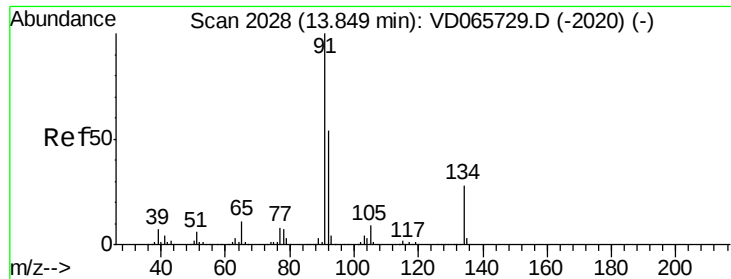
Tot Ion:146 Resp: 40686
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.9 56.9
 148 65.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 5.256 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

Tgt Ion:146 Resp: 41659
 Ion Ratio Lower Upper
 146 100
 111 42.7 18.4 55.2
 148 62.9 31.6 94.7

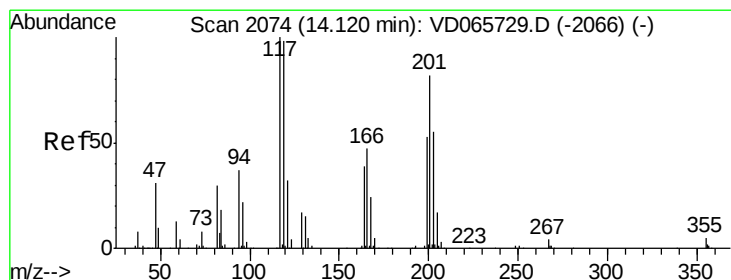
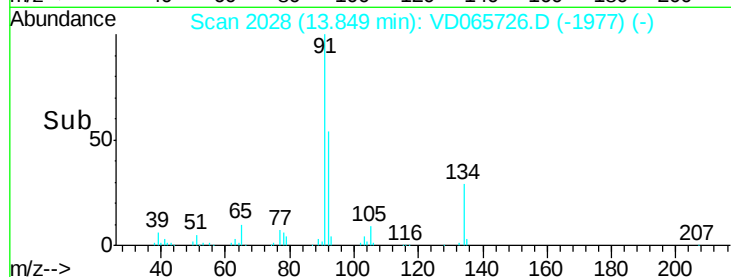
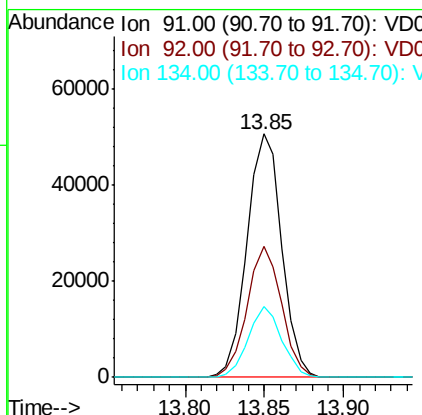
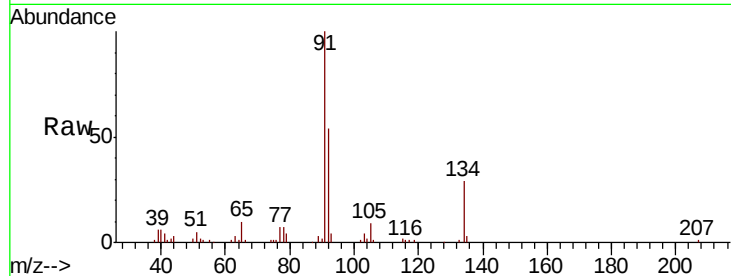




#89
n-Butylbenzene
Concen: 4.836 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

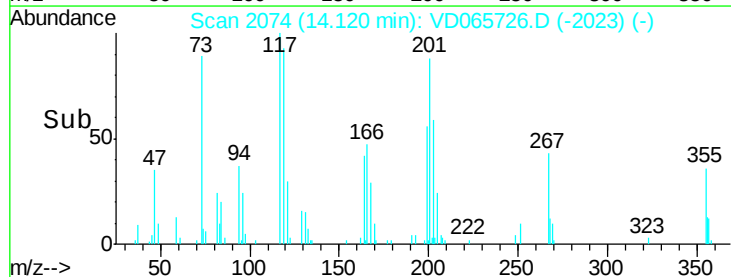
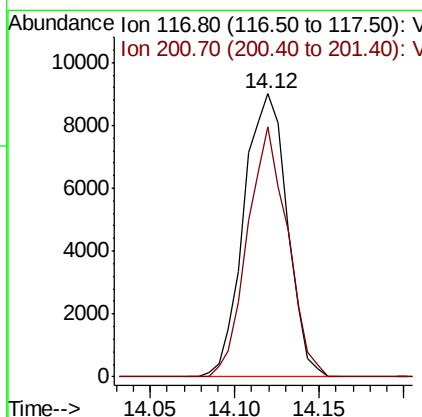
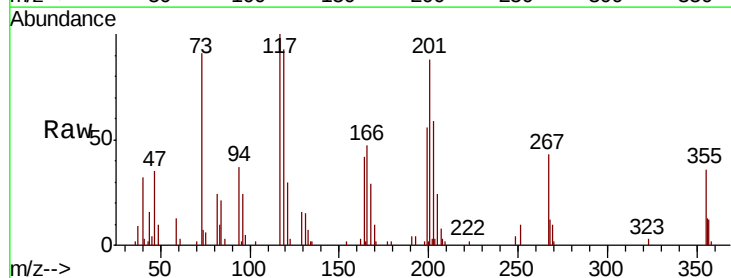
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

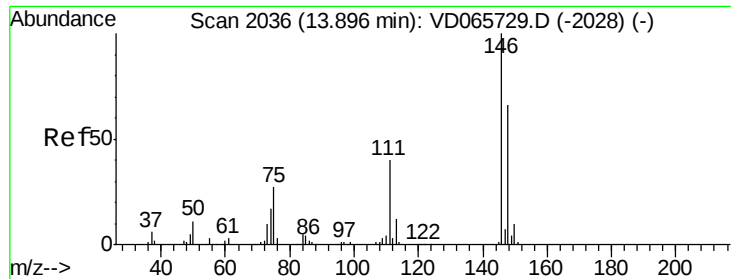
Tot Ion: 91 Resp: 77045
Ion Ratio Lower Upper
91 100
92 53.6 27.0 81.0
134 28.3 13.9 41.7



#90
Hexachloroethane
Concen: 4.886 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion: 117 Resp: 16043
Ion Ratio Lower Upper
117 100
201 82.0 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 5.001 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

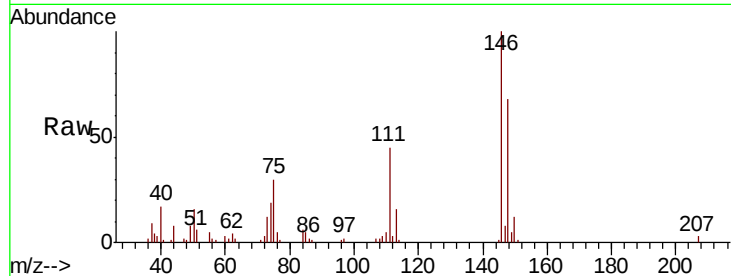
Tot Ion:146 Resp: 34582

Ion Ratio Lower Upper

146 100

111 39.4 20.0 60.0

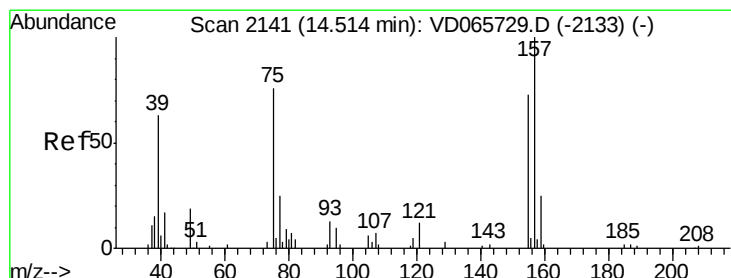
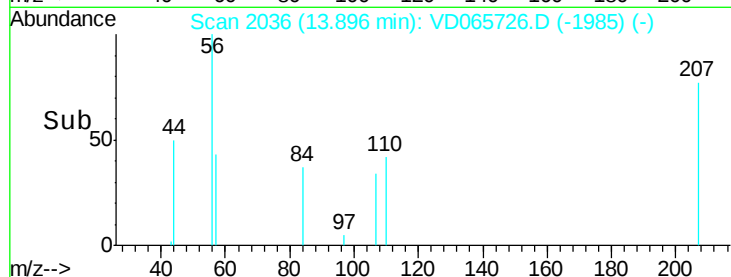
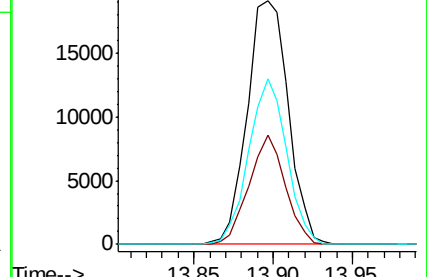
148 62.9 32.4 97.2



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: 4.749 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065726.D

Acq: 13 May 2020 12:00

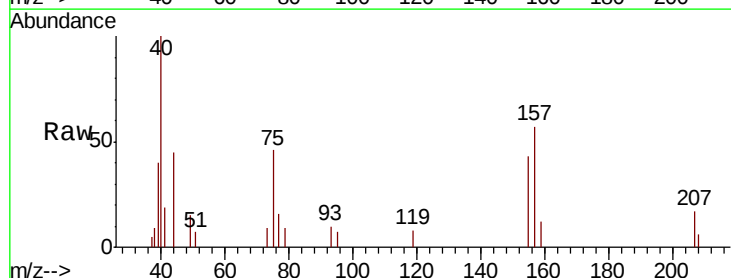
Tgt Ion: 75 Resp: 2432

Ion Ratio Lower Upper

75 100

155 87.5 48.4 145.0

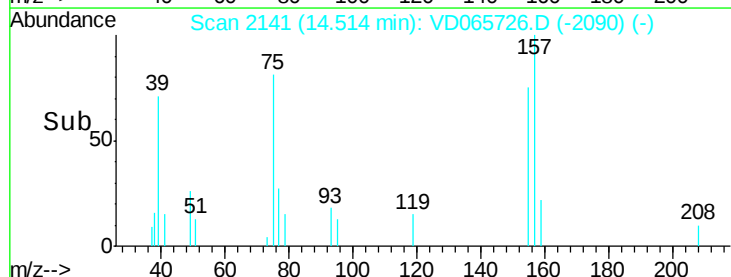
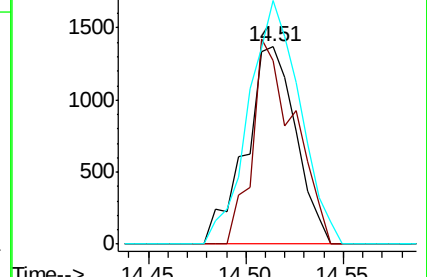
157 126.8 62.6 187.8

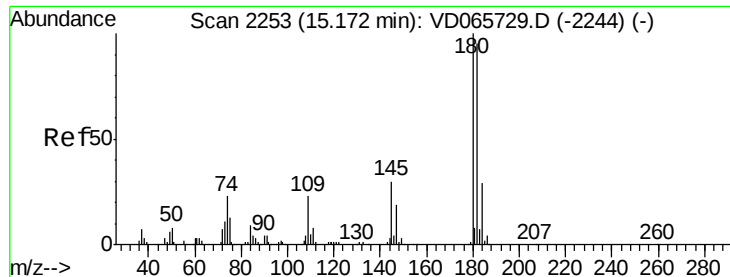


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

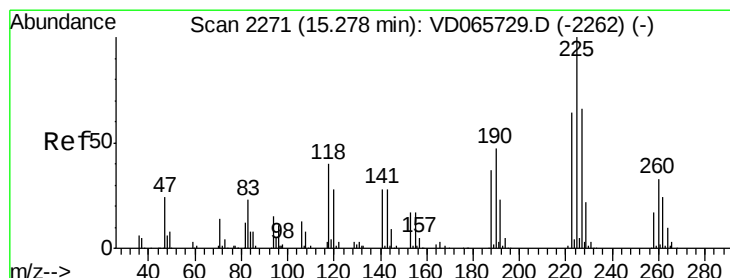
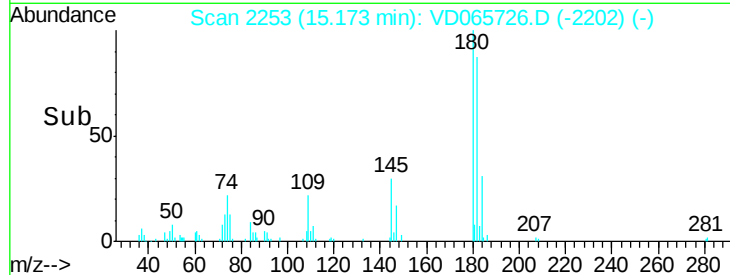
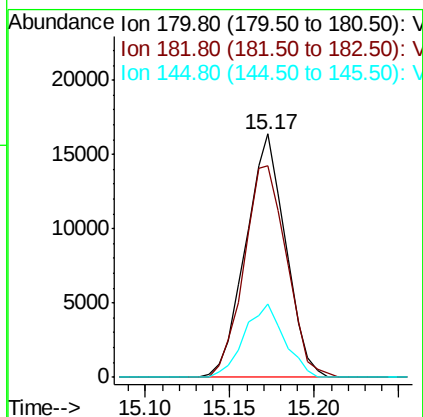
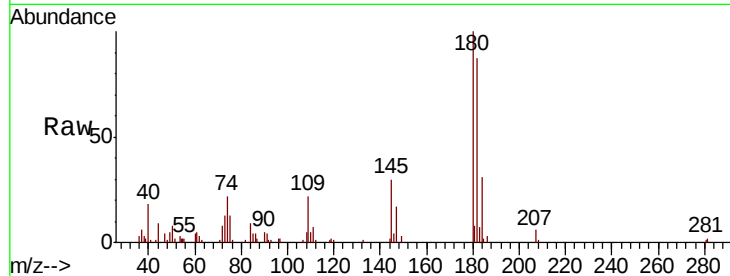




#93
 1,2,4-Trichlorobenzene
 Concen: 5.177 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

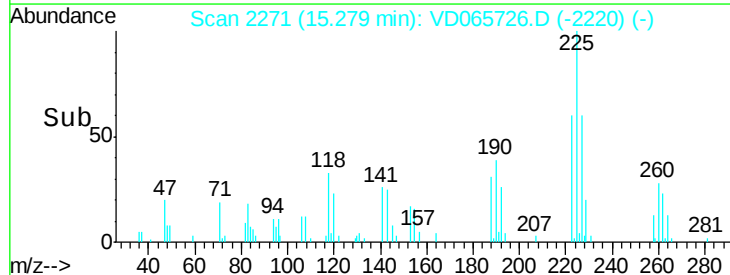
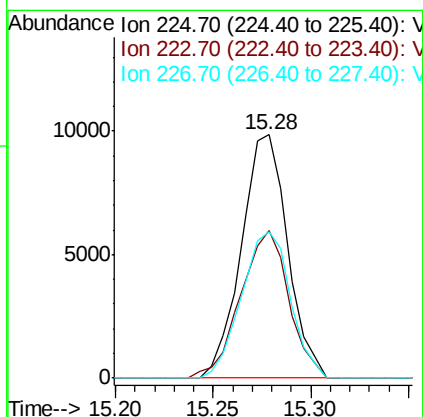
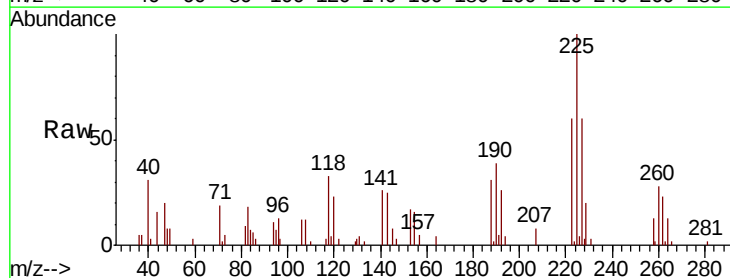
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

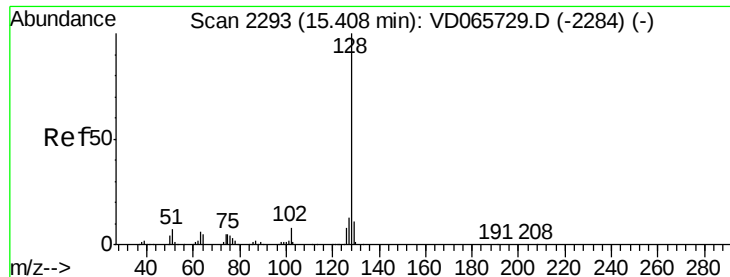
Tot Ion:180 Resp: 26855
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.0 141.0
 145 30.1 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 5.371 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065726.D
 Acq: 13 May 2020 12:00

Tgt Ion:225 Resp: 16204
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.2
 227 63.2 32.2 96.6

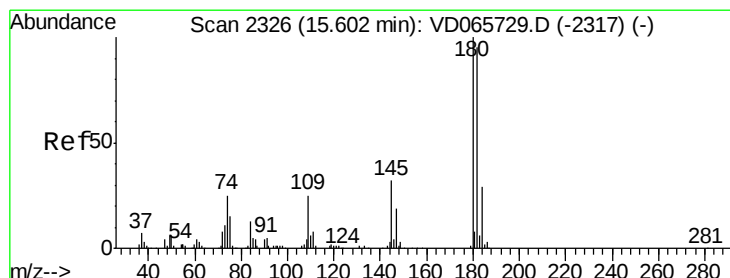
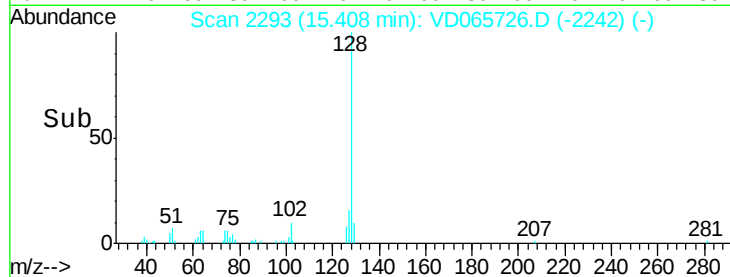
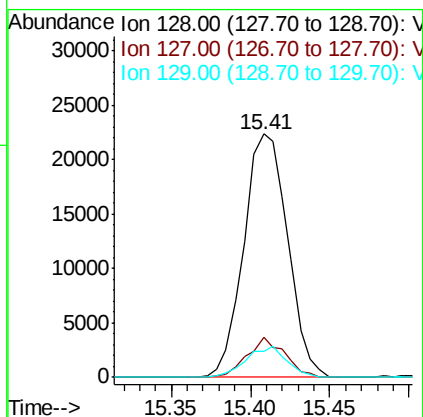
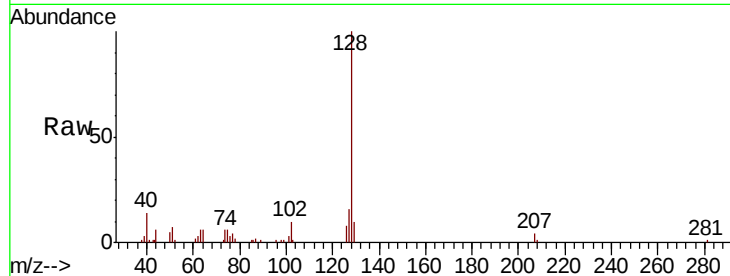




#95
Naphthalene
Concen: 4.768 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 43135
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.2
129 11.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.041 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD065726.D
Acq: 13 May 2020 12:00

Tgt Ion:180 Resp: 22243
Ion Ratio Lower Upper
180 100
182 98.0 47.5 142.6
145 30.9 15.9 47.6

