

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065531.D
 Acq On : 26 Mar 2020 17:57
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 27 01:18:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:12:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	535620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	766207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	715467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	353642	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	668487	146.54	ug/l	0.00
Spiked Amount			Recovery	=	293.08%	
35) Dibromofluoromethane	7.92	113	714755	151.68	ug/l	0.00
Spiked Amount			Recovery	=	303.36%	
50) Toluene-d8	10.34	98	2781877	154.34	ug/l	0.00
Spiked Amount			Recovery	=	308.68%	
62) 4-Bromofluorobenzene	12.64	95	915235	163.92	ug/l	0.00
Spiked Amount			Recovery	=	327.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	410051	94.117	ug/l	98
3) Chloromethane	2.21	50	615186	114.273	ug/l	99
4) Vinyl Chloride	2.35	62	647151	121.457	ug/l	99
5) Bromomethane	2.74	94	447044	128.576	ug/l	95
6) Chloroethane	2.91	64	427424	129.800	ug/l	100
7) Trichlorofluoromethane	3.27	101	980874	124.080	ug/l	100
8) Diethyl Ether	3.70	74	341193	143.316	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	660194	128.753	ug/l	100
10) Methyl Iodide	4.29	142	881225	163.523	ug/l	99
11) Tert butyl alcohol	5.25	59	176416	673.955	ug/l	100
12) 1,1-Dichloroethene	4.06	96	644655	131.691	ug/l	98
13) Acrolein	3.93	56	331077	721.535	ug/l	100
14) Allyl chloride	4.71	41	1059744	141.367	ug/l	98
15) Acrylonitrile	5.43	53	744008	722.610	ug/l	99
16) Acetone	4.16	43	558262	608.850	ug/l	92
17) Carbon Disulfide	4.40	76	2097802	129.170	ug/l	99
18) Methyl Acetate	4.72	43	317045	135.887	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1484686	156.487	ug/l	99
20) Methylene Chloride	4.96	84	729155	127.574	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	763323	139.888	ug/l	96
22) Diisopropyl ether	6.37	45	2108912	150.077	ug/l	97
23) Vinyl Acetate	6.31	43	6148574	789.301	ug/l	100
24) 1,1-Dichloroethane	6.27	63	1254802	139.744	ug/l	98
25) 2-Butanone	7.22	43	880079	703.457	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1080154	136.877	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	838825	150.119	ug/l	99
28) Bromochloromethane	7.55	49	534262	147.145	ug/l	99
29) Tetrahydrofuran	7.57	42	589427	737.910	ug/l	100
30) Chloroform	7.71	83	1273324	141.280	ug/l	97
31) Cyclohexane	7.98	56	1162424	129.987	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1146794	137.907	ug/l	100
36) 1,1-Dichloropropene	8.11	75	1018790	140.789	ug/l	100
37) Ethyl Acetate	7.30	43	405555	144.112	ug/l	98
38) Carbon Tetrachloride	8.10	117	1052668	139.834	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1307222	150.234	ug/l	99
40) Benzene	8.36	78	2950246	145.530	ug/l	99
41) Methacrylonitrile	7.53	41	243313	159.652	ug/l	97
42) 1,2-Dichloroethane	8.43	62	788200	147.935	ug/l	100
43) Isopropyl Acetate	8.46	43	784749	151.462	ug/l	99
44) Trichloroethene	9.11	130	860514	149.926	ug/l	98
45) 1,2-Dichloropropane	9.39	63	724101	147.181	ug/l	97
46) Dibromomethane	9.48	93	383836	150.191	ug/l	99
47) Bromodichloromethane	9.67	83	997731	150.015	ug/l	98
48) Methyl methacrylate	9.46	41	376157	153.773	ug/l	99
49) 1,4-Dioxane	9.47	88	91407	3106.477	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1986438	759.372	ug/l	98
52) Toluene	10.41	92	1925107	150.465	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	995187	159.956	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	1185762	157.600	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	542644	149.084	ug/l	98
56) Ethyl methacrylate	10.67	69	696115	169.867	ug/l	99
57) 1,3-Dichloropropane	10.95	76	934875	151.966	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	1781346	1189.370	ug/l	100
59) 2-Hexanone	10.99	43	1367130	757.095	ug/l	100
60) Dibromochloromethane	11.14	129	720118	154.040	ug/l	100
61) 1,2-Dibromoethane	11.25	107	531937	152.644	ug/l	99
64) Tetrachloroethene	10.88	164	729418	143.155	ug/l	95
65) Chlorobenzene	11.68	112	2057111	146.388	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	769781	149.560	ug/l	99
67) Ethyl Benzene	11.75	91	3630620	150.070	ug/l	98
68) m/p-Xylenes	11.86	106	2846508	304.868	ug/l	98
69) o-Xylene	12.18	106	1299567	158.150	ug/l	100
70) Styrene	12.20	104	2284421	157.420	ug/l	99
71) Bromoform	12.37	173	432896	149.400	ug/l #	100
73) Isopropylbenzene	12.48	105	3472027	152.368	ug/l	100
74) N-amyl acetate	12.30	43	732365	156.805	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	564166	140.133	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	746251	265.400	ug/l #	100
77) Bromobenzene	12.77	156	867565	151.689	ug/l	99
78) n-propylbenzene	12.83	91	4030315	148.537	ug/l	98
79) 2-Chlorotoluene	12.91	91	2273634	148.369	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2851109	152.065	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	203061	155.697	ug/l	97
82) 4-Chlorotoluene	13.01	91	2364792	146.982	ug/l	99
83) tert-Butylbenzene	13.23	119	2466568	155.155	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	2863390	154.538	ug/l	99
85) sec-Butylbenzene	13.41	105	3393999	150.171	ug/l	100
86) p-Isopropyltoluene	13.53	119	3212391	155.579	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1625131	147.739	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1594578	145.617	ug/l	99
89) n-Butylbenzene	13.85	91	2909633	153.075	ug/l	98
90) Hexachloroethane	14.12	117	619218	145.506	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1399538	149.493	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	86172	140.055	ug/l	91

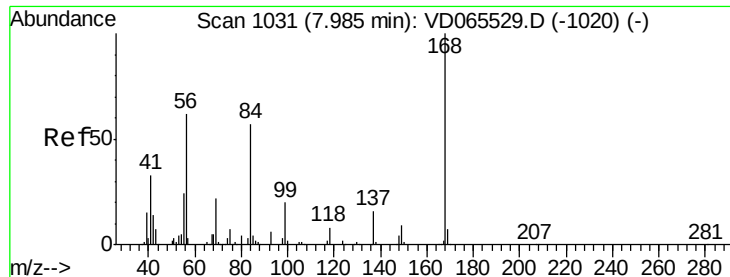
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1056892	166.281	ug/l	99
94) Hexachlorobutadiene	15.28	225	638952	153.962	ug/l	100
95) Naphthalene	15.41	128	1757629	173.501	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	912077	166.105	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

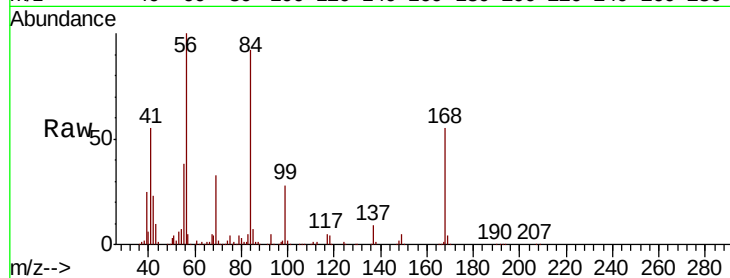
VSTDICC150

Tot Ion:168 Resp: 535620

Ion Ratio Lower Upper

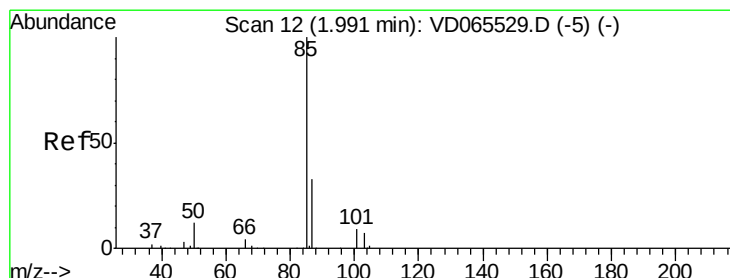
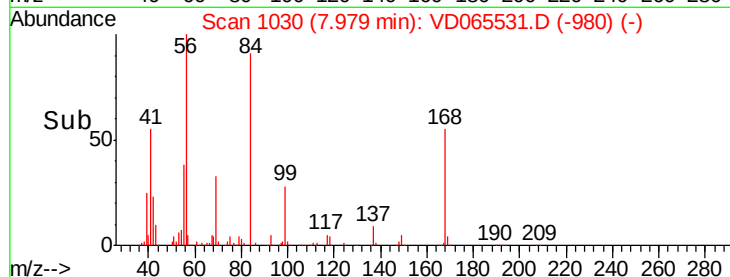
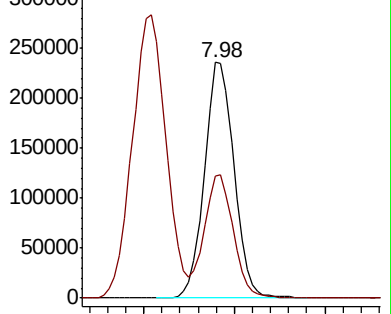
168 100

99 51.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 94.117 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065531.D

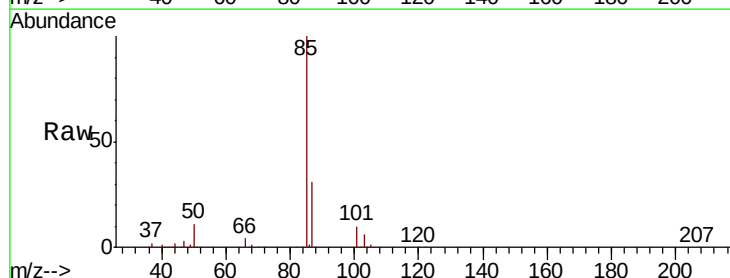
Acq: 26 Mar 2020 17:57

Tgt Ion: 85 Resp: 410051

Ion Ratio Lower Upper

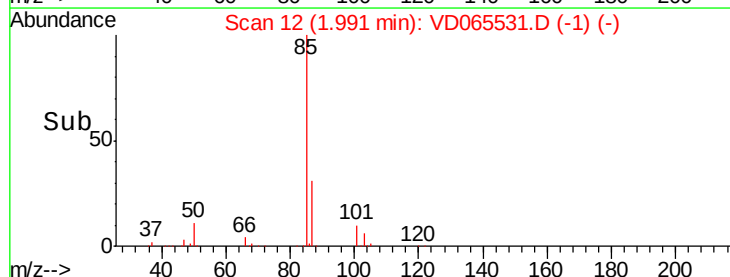
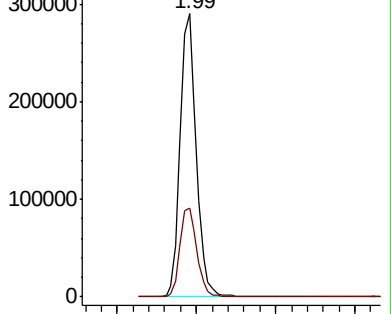
85 100

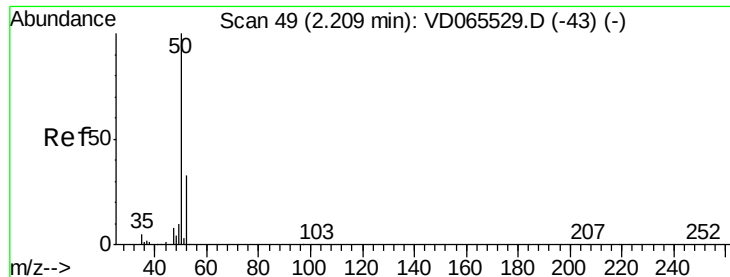
87 31.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 114.273 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

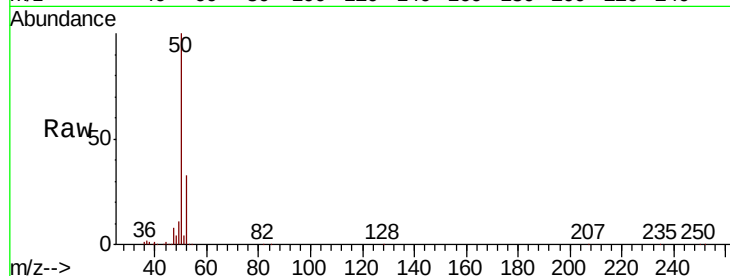
VSTDIC150

Tot Ion: 50 Resp: 615186

Ion Ratio Lower Upper

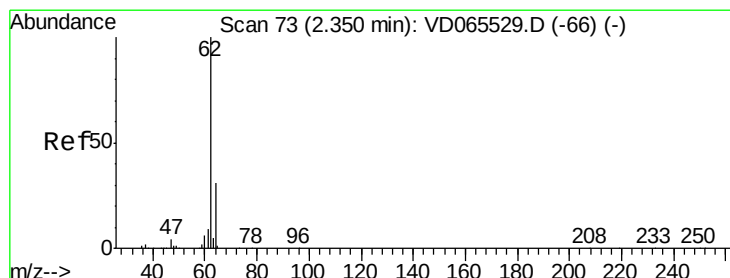
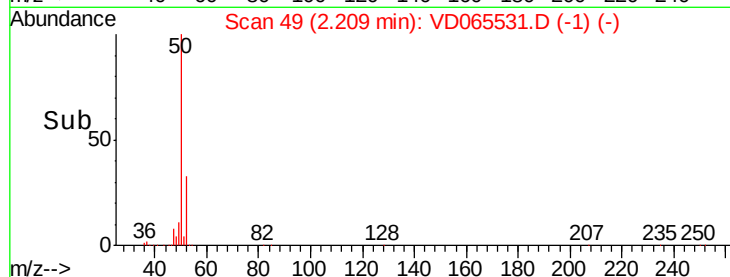
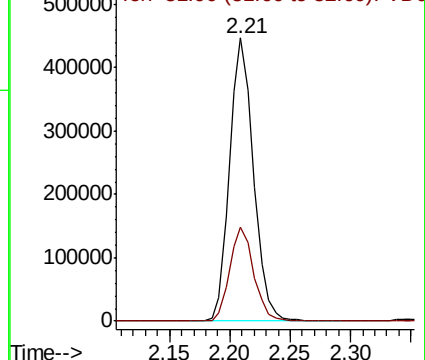
50 100

52 33.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 121.457 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065531.D

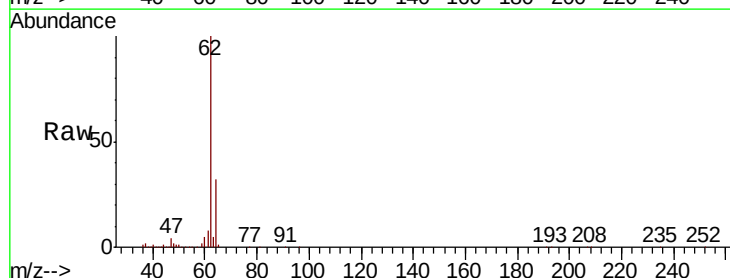
Acq: 26 Mar 2020 17:57

Tgt Ion: 62 Resp: 647151

Ion Ratio Lower Upper

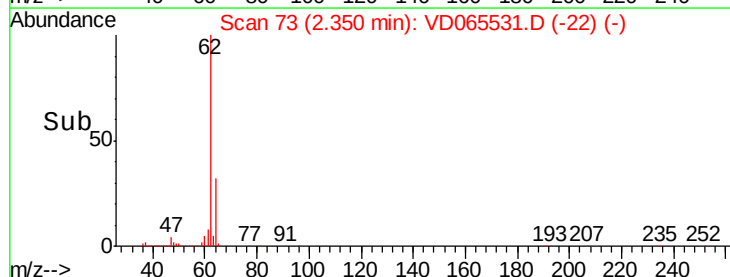
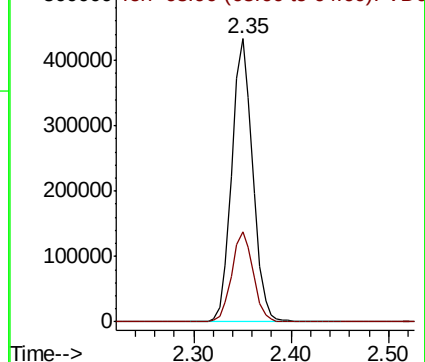
62 100

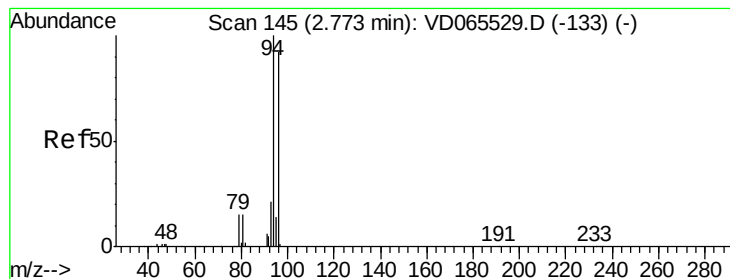
64 31.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 128.576 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

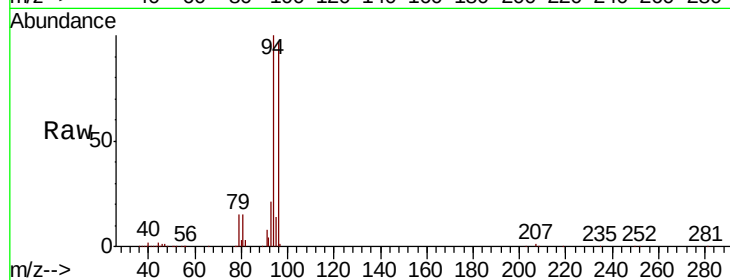
VSTDIC150

Tot Ion: 94 Resp: 447044

Ion Ratio Lower Upper

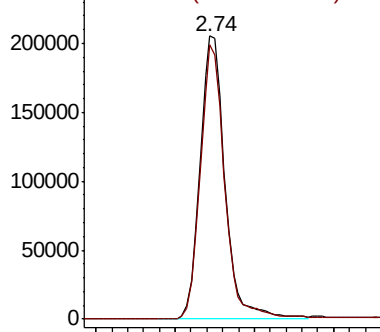
94 100

96 96.6 73.4 110.2

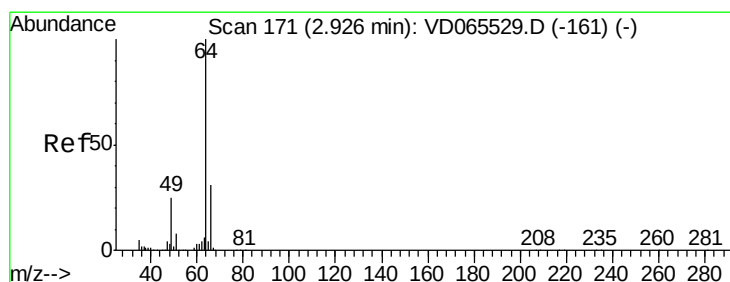
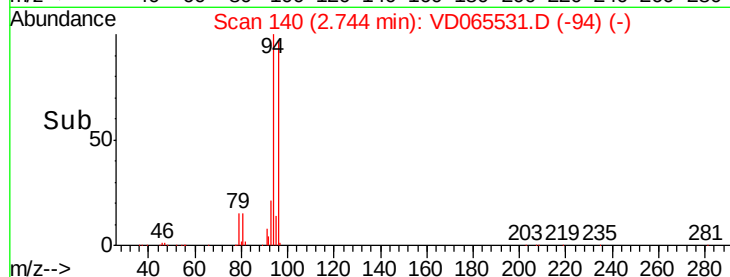


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 129.800 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD065531.D

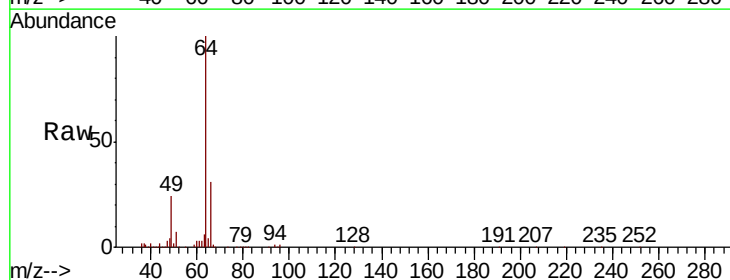
Acq: 26 Mar 2020 17:57

Tgt Ion: 64 Resp: 427424

Ion Ratio Lower Upper

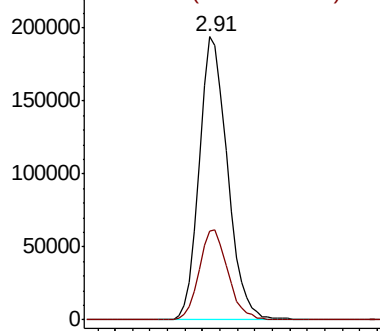
64 100

66 31.2 25.0 37.6

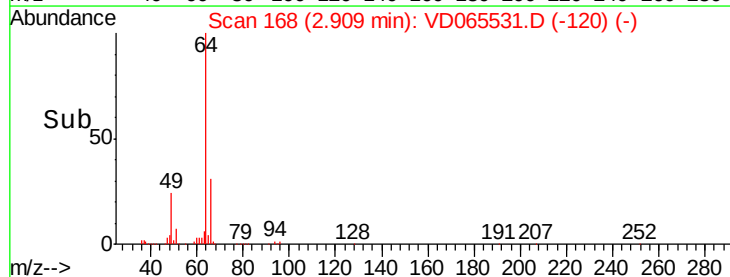


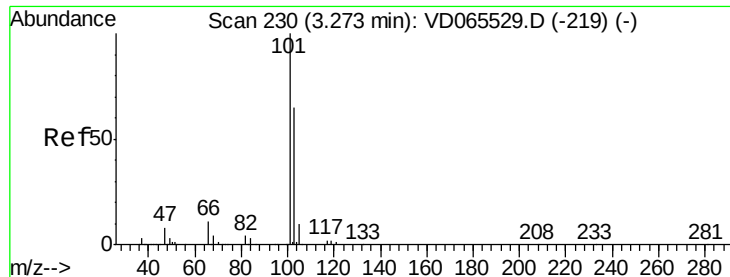
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->



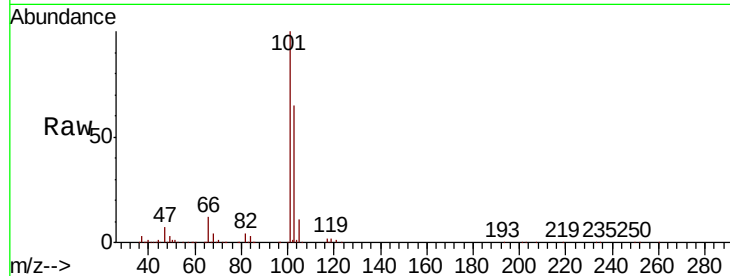


#7

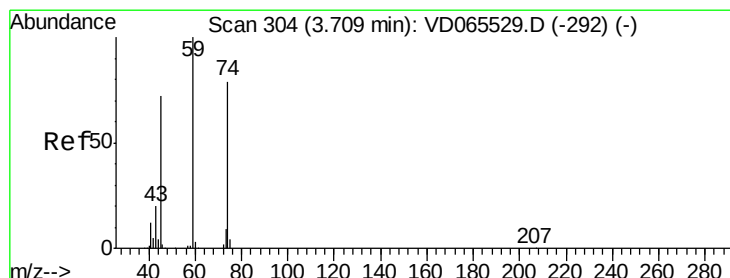
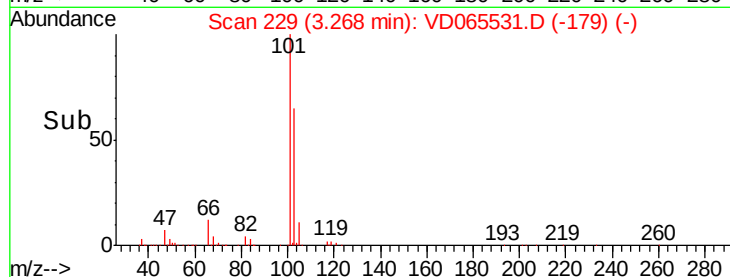
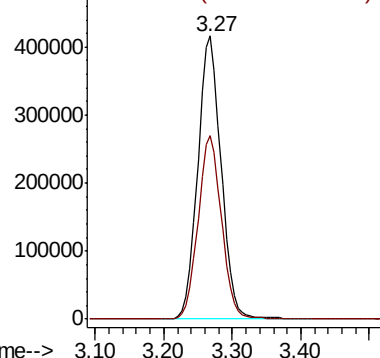
Trichlorofluoromethane
Concen: 124.080 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065531.D
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Tot Ion:101 Resp: 980874
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9



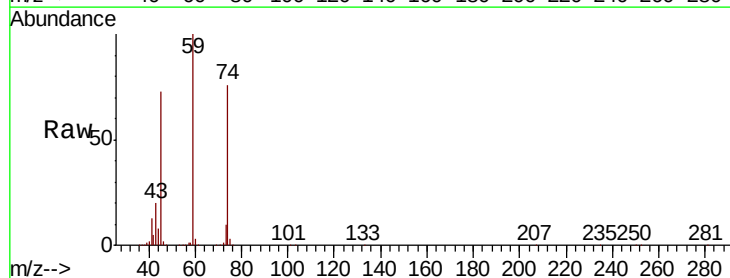
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



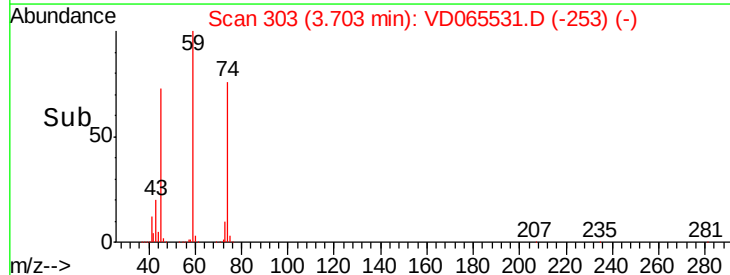
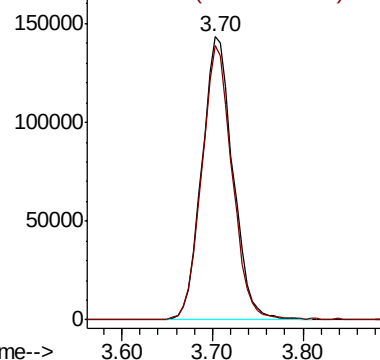
#8

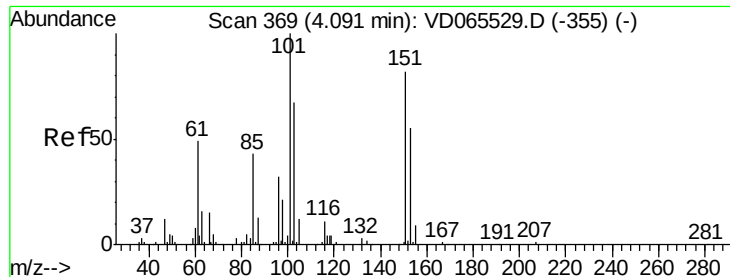
Diethyl Ether
Concen: 143.316 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion: 74 Resp: 341193
Ion Ratio Lower Upper
74 100
45 94.9 48.2 144.6



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: 128.753 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

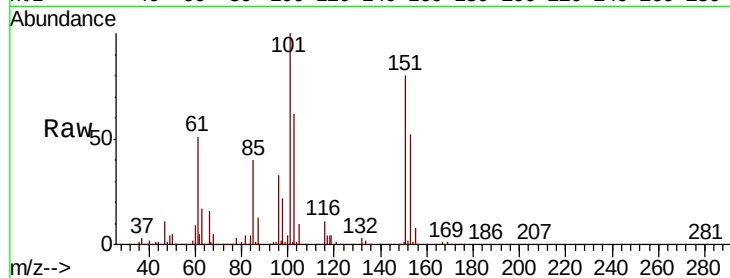
Tot Ion:101 Resp: 660194

Ion Ratio Lower Upper

101 100

85 41.3 32.6 48.8

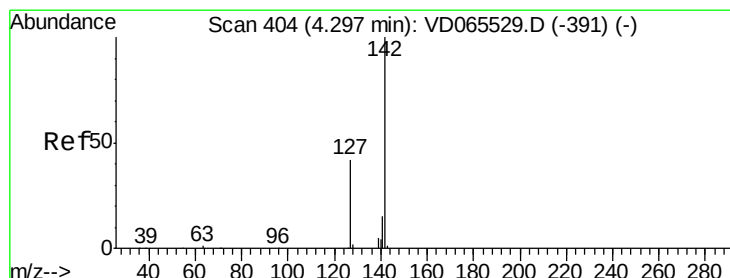
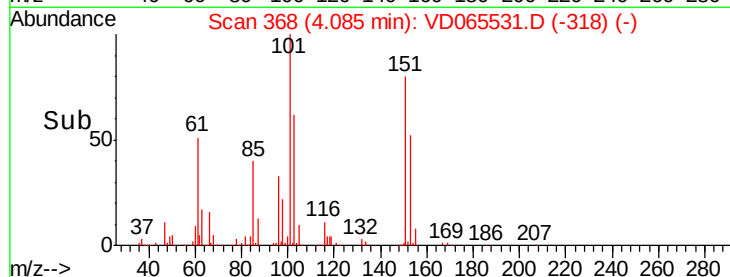
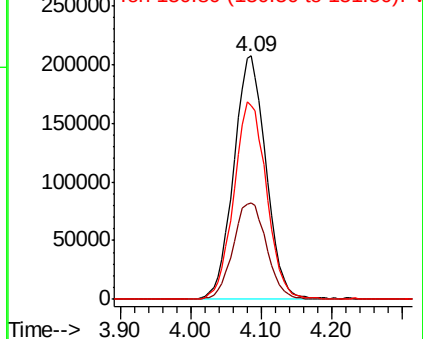
151 82.0 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 163.523 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

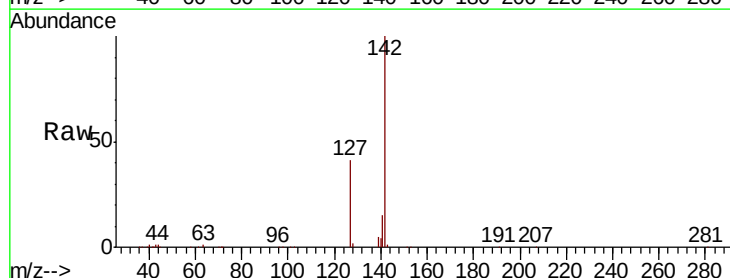
Tgt Ion:142 Resp: 881225

Ion Ratio Lower Upper

142 100

127 41.5 33.9 50.9

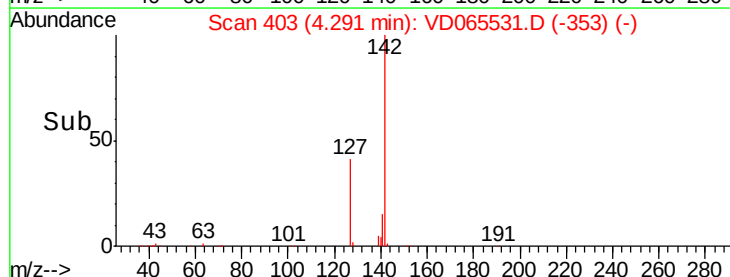
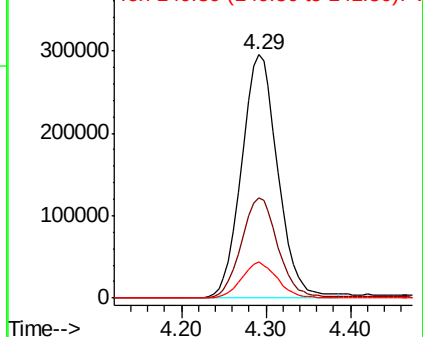
141 14.5 11.6 17.4

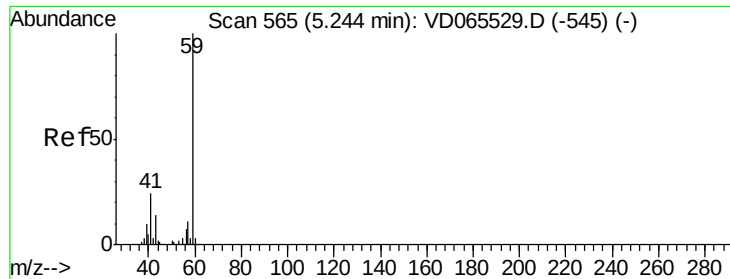


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

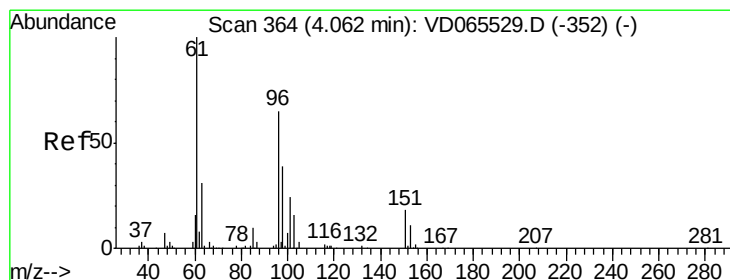
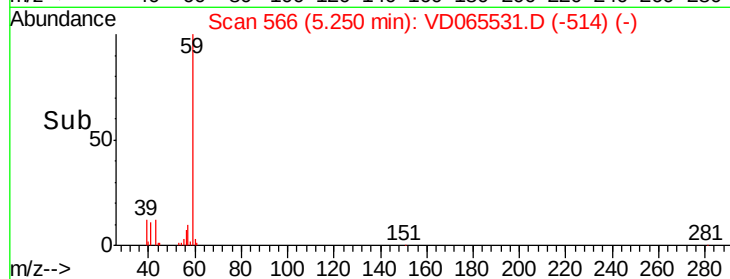
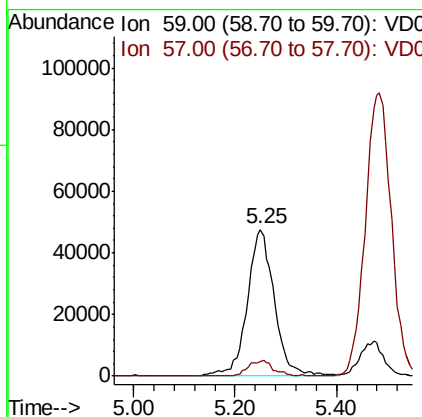
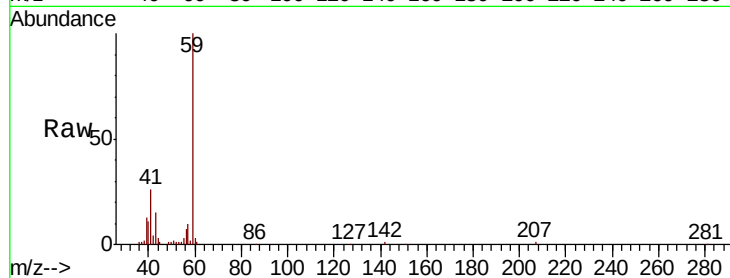




#11
Tert butyl alcohol
Concen: 673.955 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

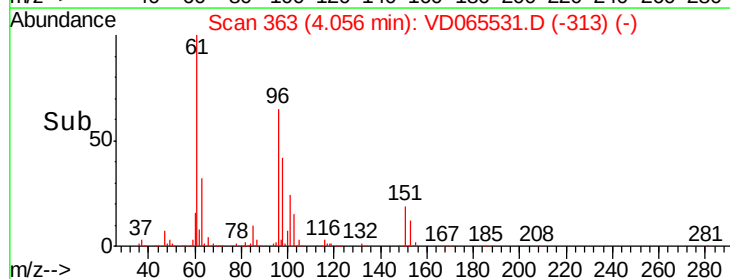
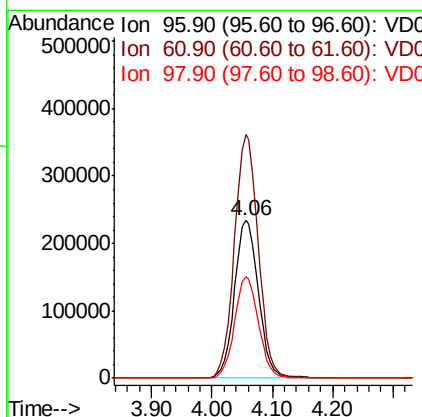
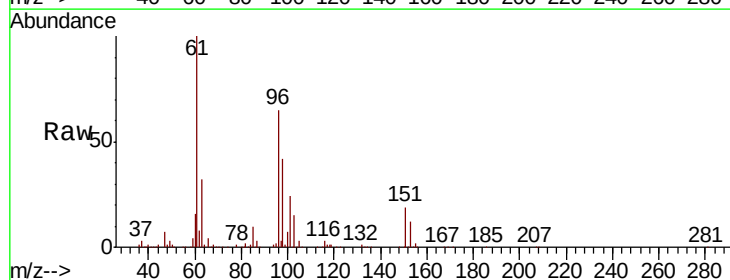
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

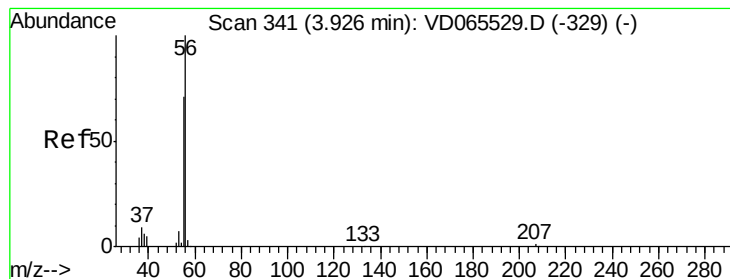
Tot Ion: 59 Resp: 176416
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1



#12
1,1-Dichloroethene
Concen: 131.691 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion: 96 Resp: 644655
Ion Ratio Lower Upper
96 100
61 154.6 124.0 186.0
98 64.7 48.2 72.4





#13

Acrolein

Concen: 721.535 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

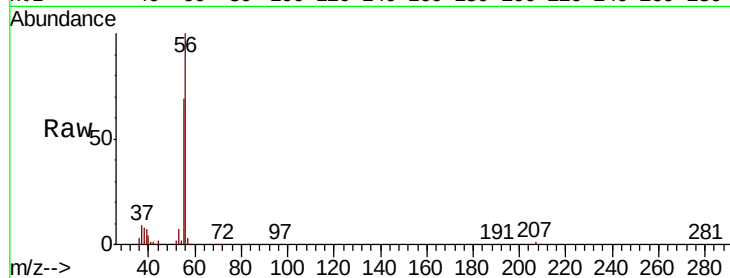
VSTDIC150

Tot Ion: 56 Resp: 331077

Ion Ratio Lower Upper

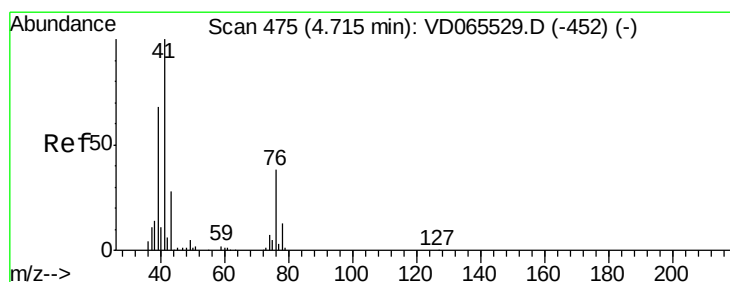
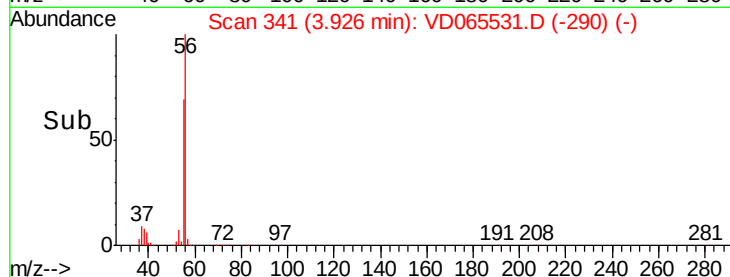
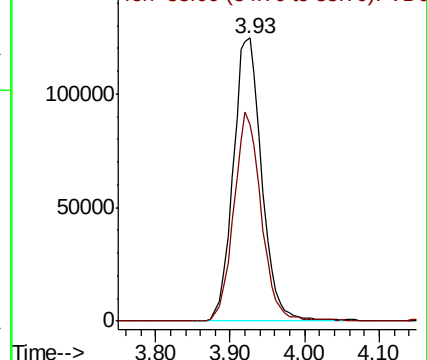
56 100

55 70.5 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 141.367 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

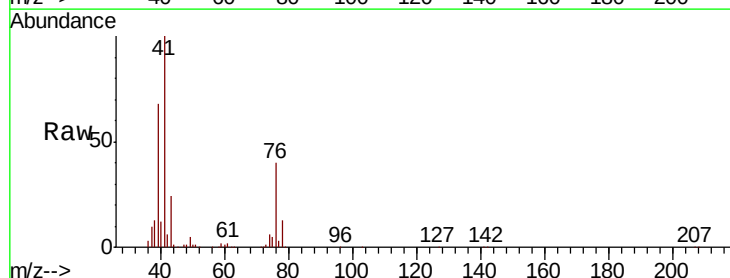
Tgt Ion: 41 Resp: 1059744

Ion Ratio Lower Upper

41 100

39 65.2 52.9 79.3

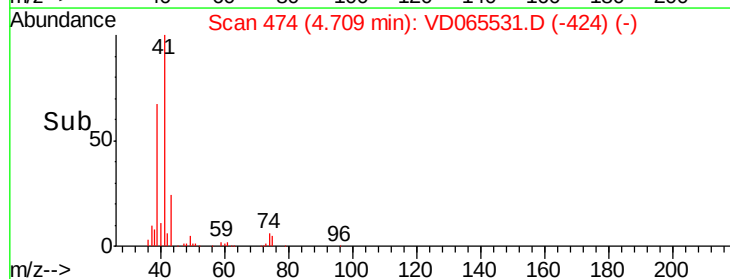
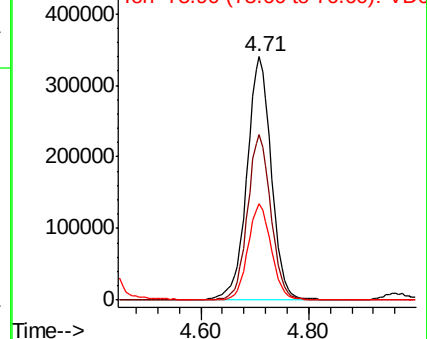
76 37.4 28.9 43.3

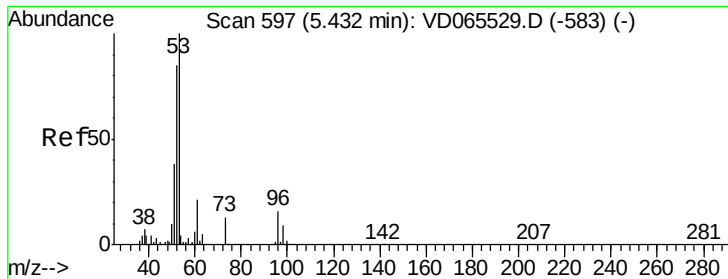


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

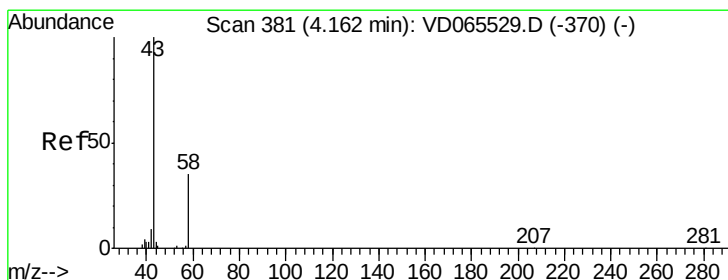
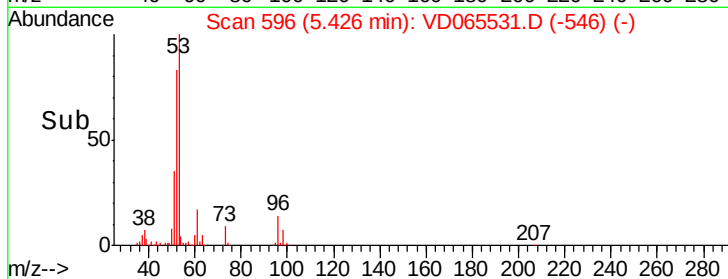
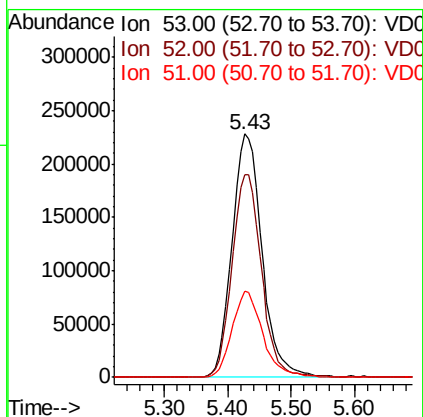
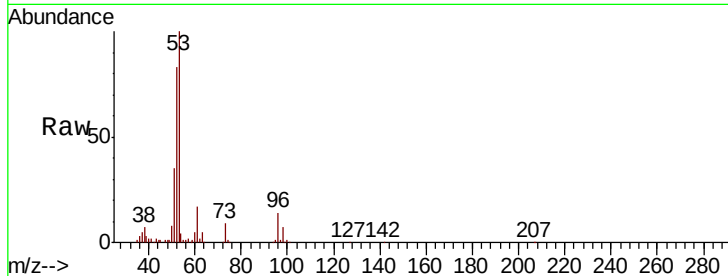




#15
 Acrylonitrile
 Concen: 722.610 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

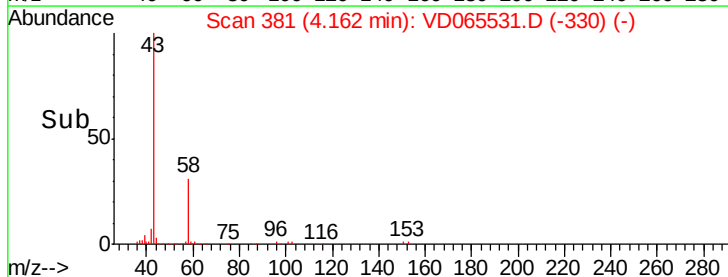
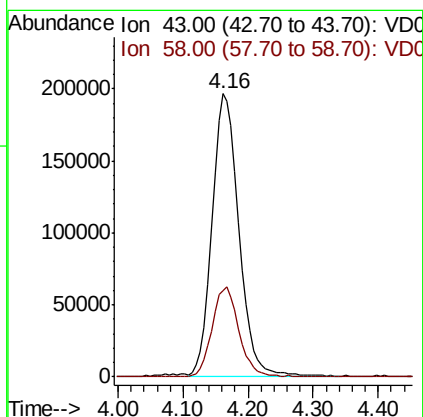
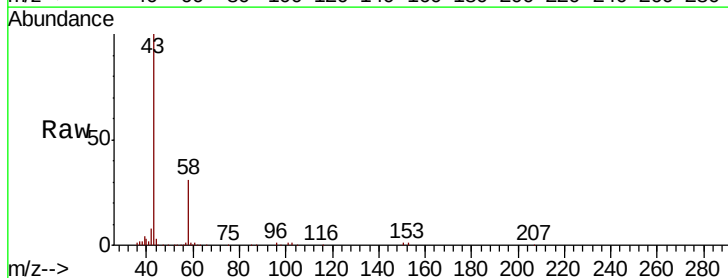
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

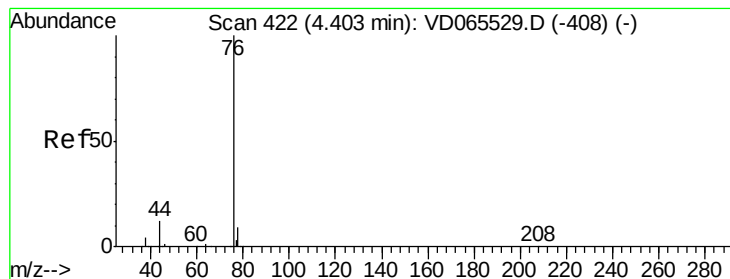
Tot Ion	53	Resp	744008
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.8	98.6
51	36.2	29.7	44.5



#16
 Acetone
 Concen: 608.850 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion	43	Resp	558262
Ion	Ratio	Lower	Upper
43	100		
58	30.4	27.9	41.9





#17

Carbon Disulfide

Concen: 129.170 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

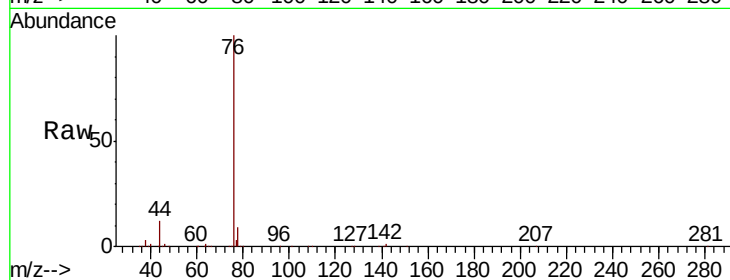
VSTDIC150

Tot Ion: 76 Resp: 2097802

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

800000

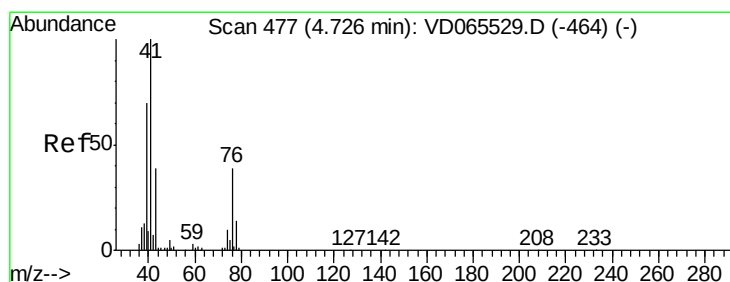
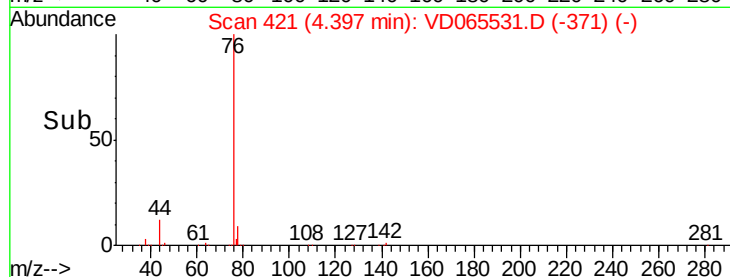
600000

400000

200000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 135.887 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065531.D

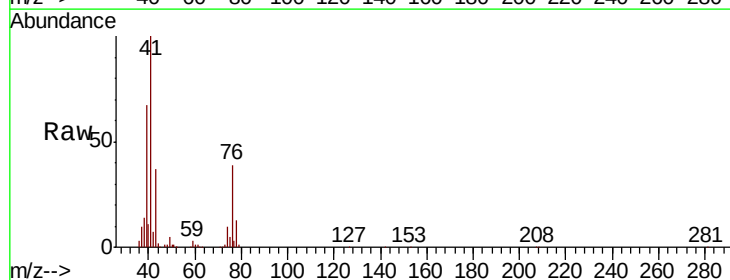
Acq: 26 Mar 2020 17:57

Tgt Ion: 43 Resp: 317045

Ion Ratio Lower Upper

43 100

74 25.1 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

120000

100000

80000

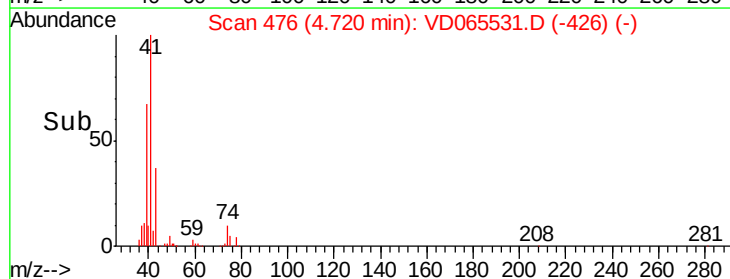
60000

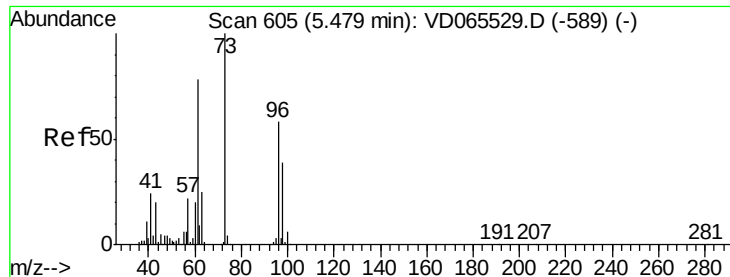
40000

20000

0

Time--> 4.60 4.70 4.80 4.90



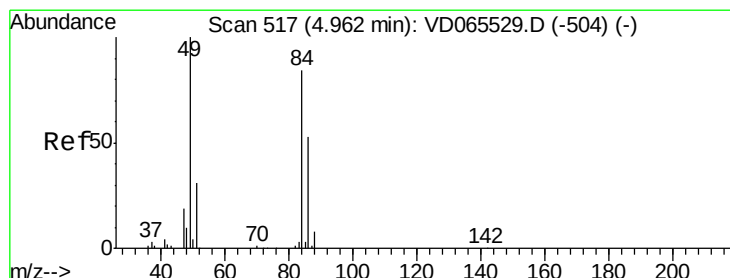
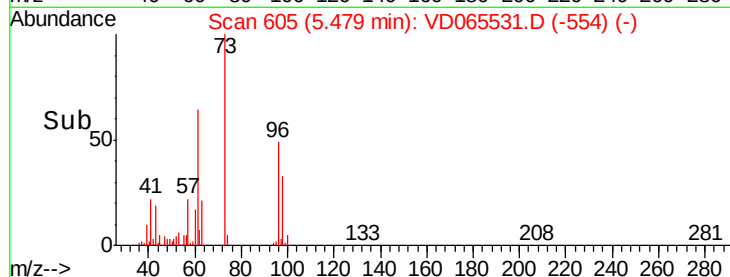
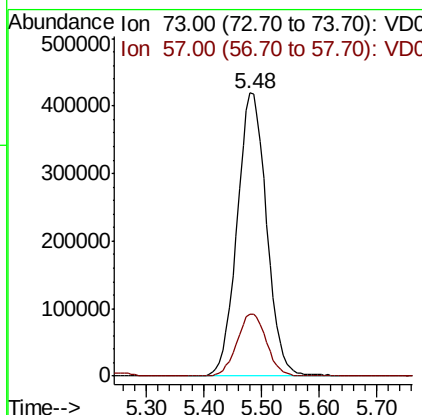
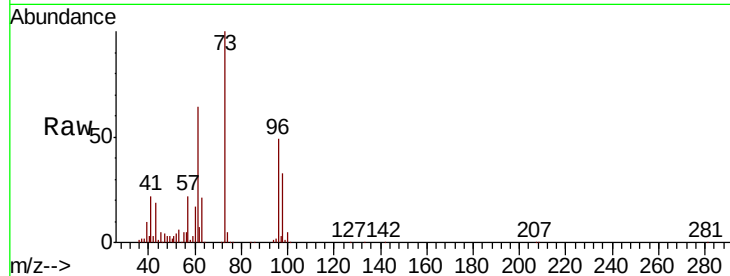


#19

Methyl tert-butyl Ether
 Concen: 156.487 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

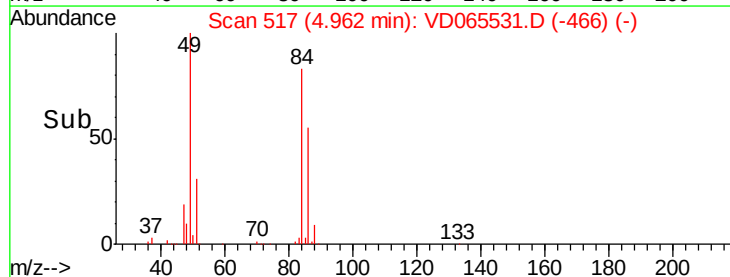
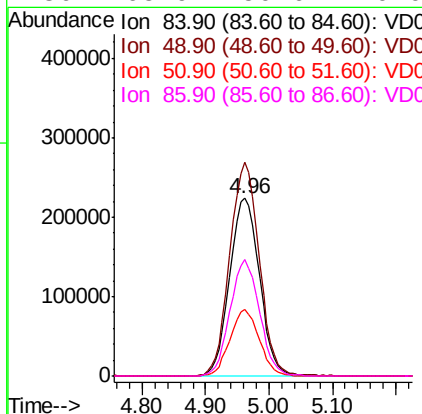
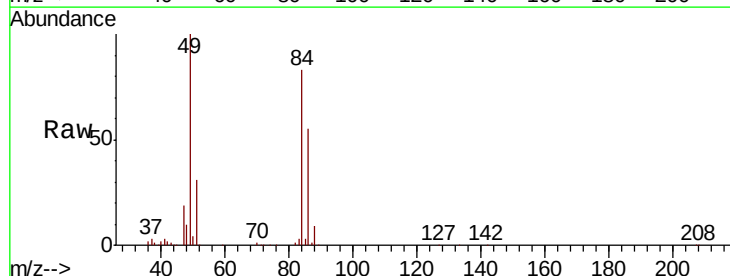
Tot Ion: 73 Resp: 1484686
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.7 26.5

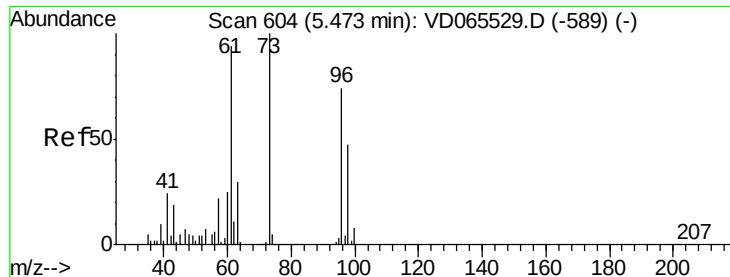


#20

Methylene Chloride
 Concen: 127.574 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion: 84 Resp: 729155
 Ion Ratio Lower Upper
 84 100
 49 120.4 95.6 143.4
 51 37.2 29.4 44.2
 86 65.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 139.888 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

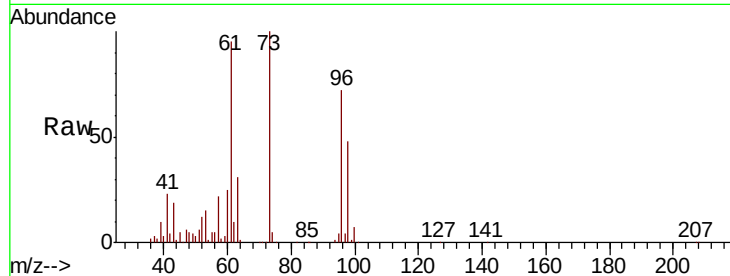
Tot Ion: 96 Resp: 763323

Ion Ratio Lower Upper

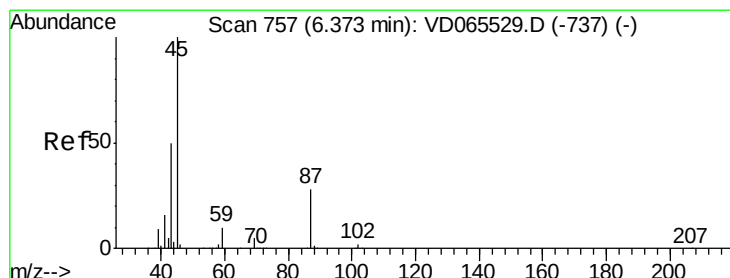
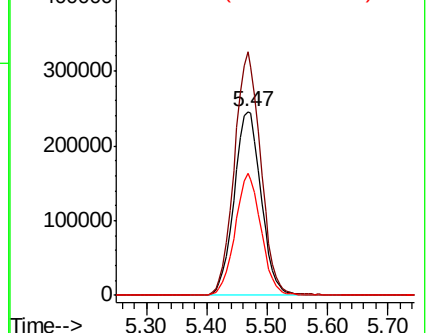
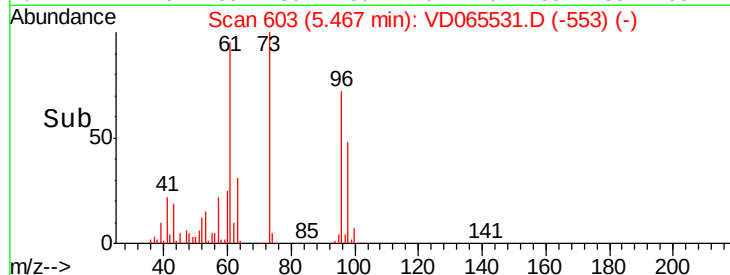
96 100

61 132.4 101.8 152.6

98 66.6 51.4 77.2



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: 150.077 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Tgt Ion: 45 Resp: 2108912

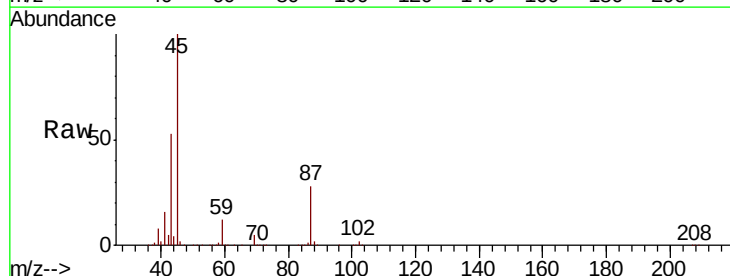
Ion Ratio Lower Upper

45 100

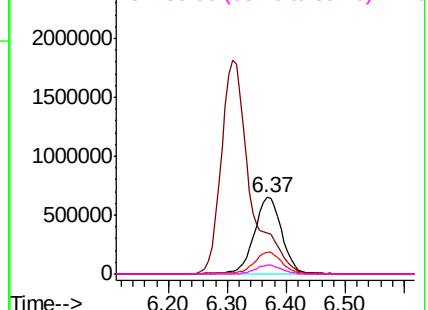
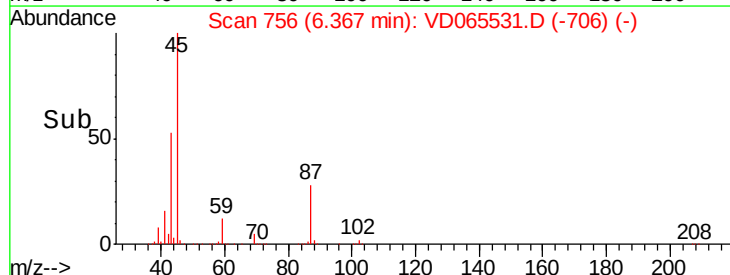
43 53.3 40.5 60.7

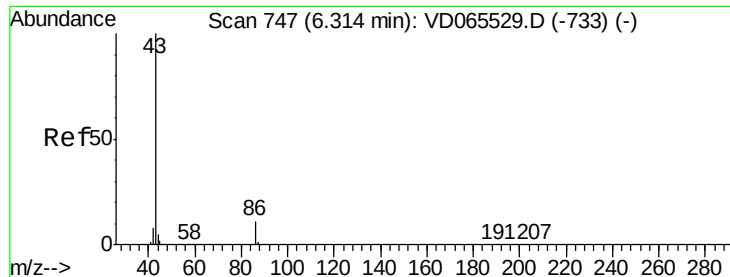
87 27.8 22.5 33.7

59 12.0 8.6 12.8



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: 789.301 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

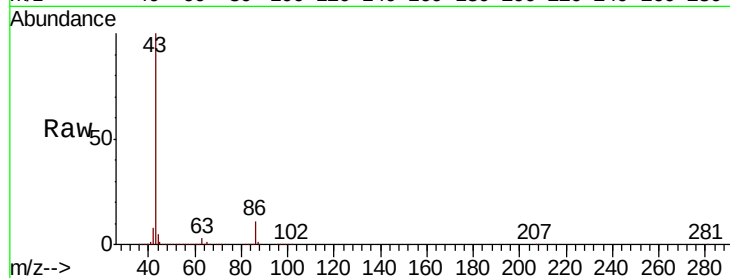
VSTDIC150

Tot Ion: 43 Resp: 6148574

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

2000000

1500000

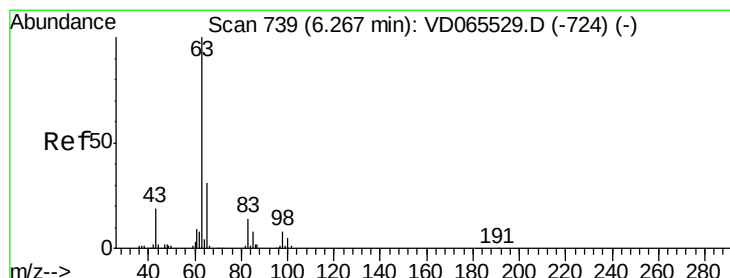
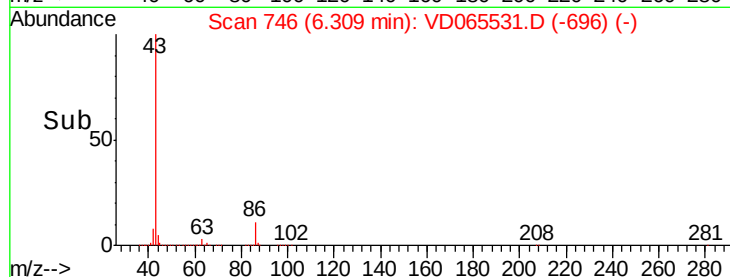
1000000

500000

0

6.20 6.40 6.60

Time-->



#24

1,1-Dichloroethane

Concen: 139.744 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

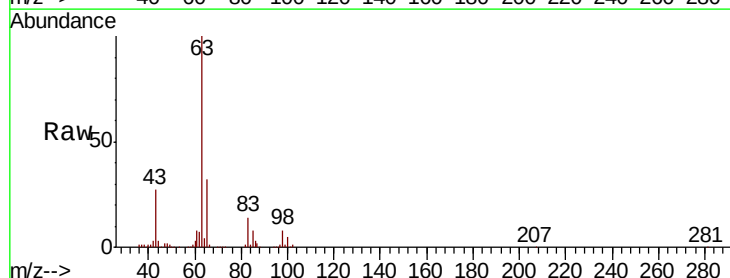
Tgt Ion: 63 Resp: 1254802

Ion Ratio Lower Upper

63 100

98 7.5 4.2 12.6

100 4.8 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

500000

400000

300000

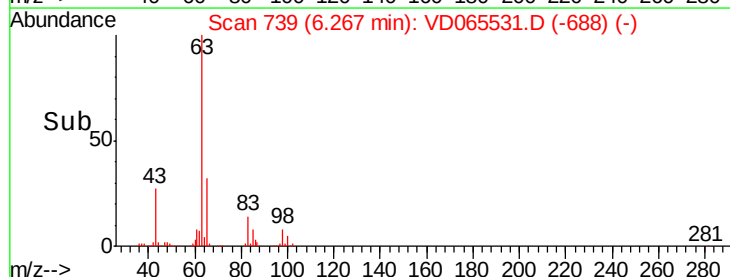
200000

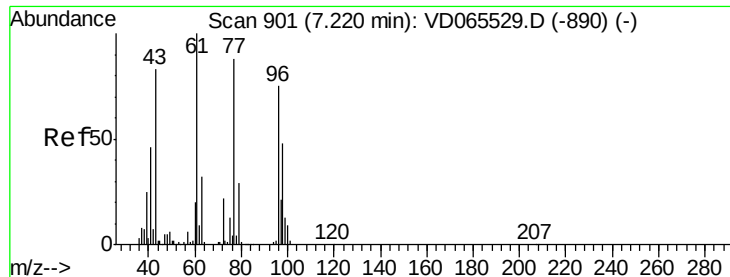
100000

0

6.10 6.20 6.30 6.40 6.50

Time-->





#25

2-Butanone

Concen: 703.457 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

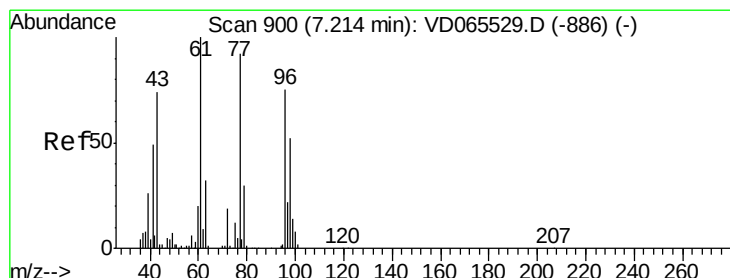
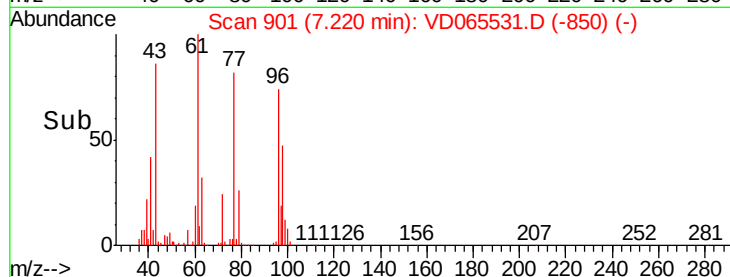
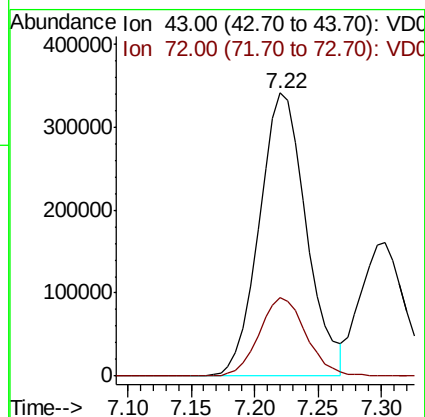
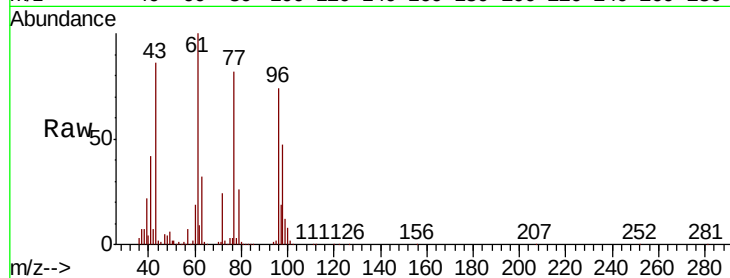
VSTDICC150

Tot Ion: 43 Resp: 880079

Ion Ratio Lower Upper

43 100

72 27.9 21.5 32.3



#26

2,2-Dichloropropane

Concen: 136.877 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065531.D

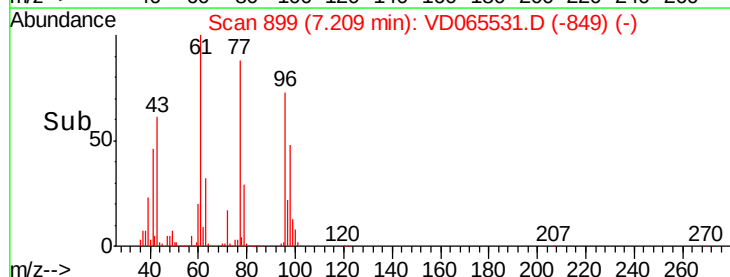
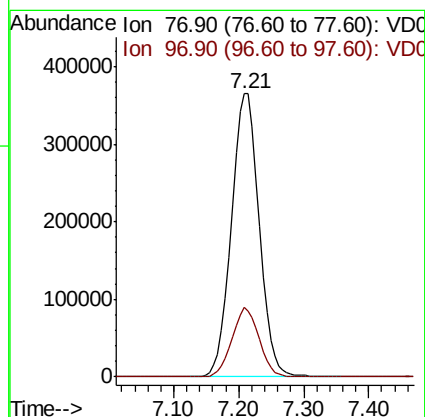
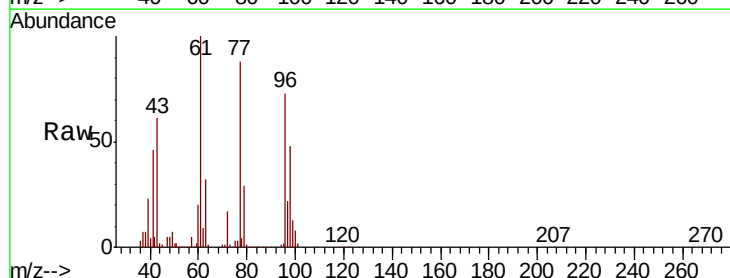
Acq: 26 Mar 2020 17:57

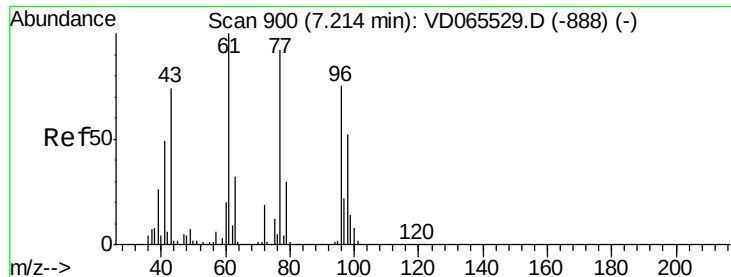
Tgt Ion: 77 Resp: 1080154

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.1



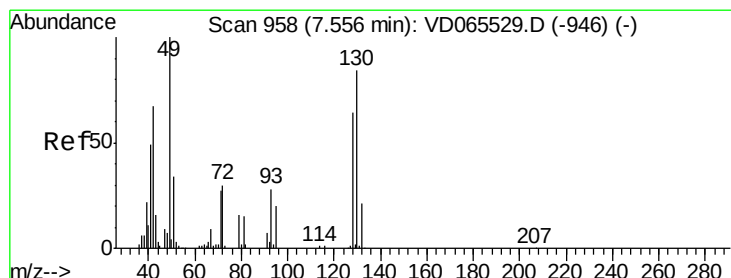
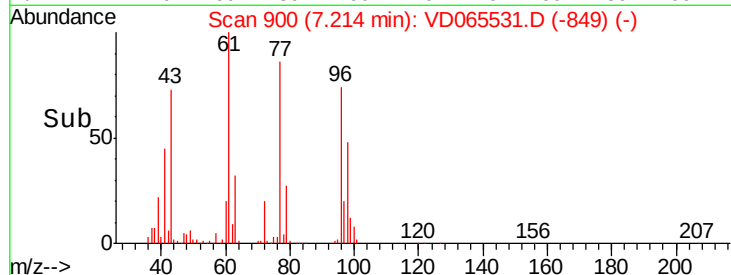
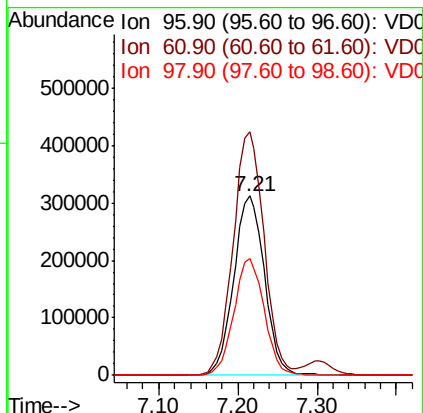
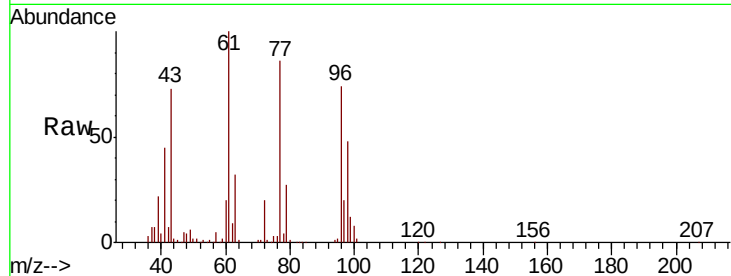


#27

cis-1,2-Dichloroethene
 Concen: 150.119 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

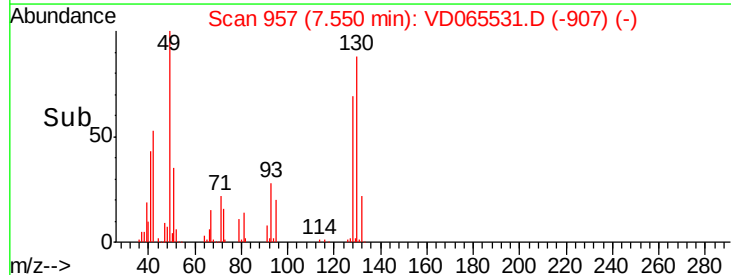
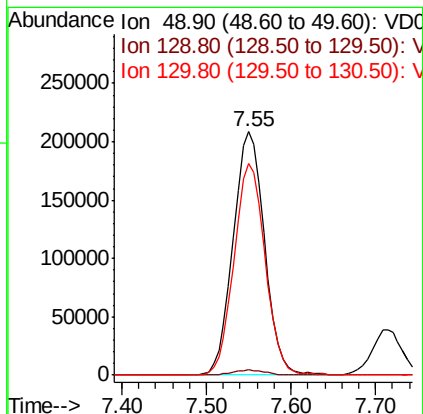
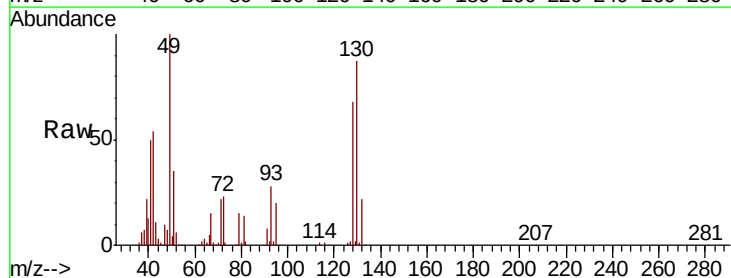
Tot Ion: 96 Resp: 838825
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 278.0
 98 64.5 0.0 129.6

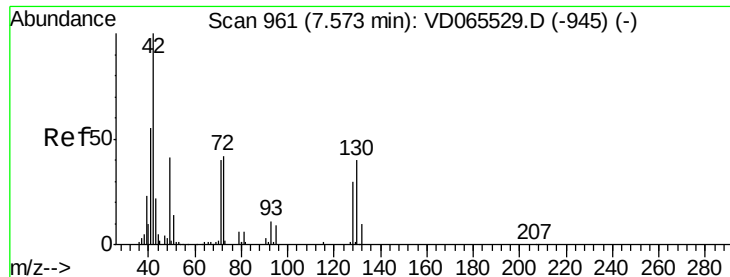


#28

Bromochloromethane
 Concen: 147.145 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion: 49 Resp: 534262
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.4
 130 86.3 69.7 104.5





#29

Tetrahydrofuran

Concen: 737.910 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

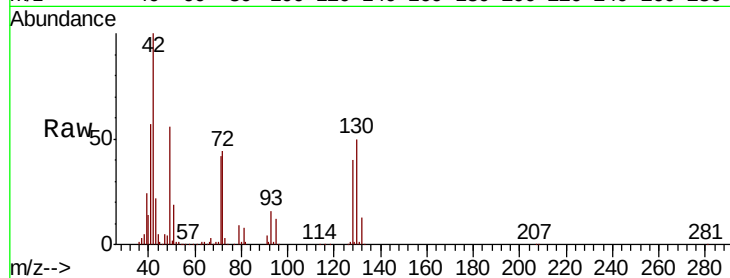
Tot Ion: 42 Resp: 589427

Ion Ratio Lower Upper

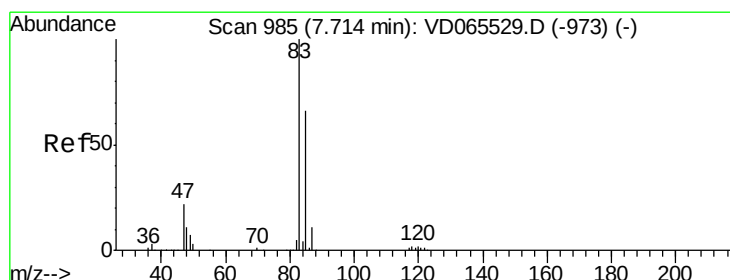
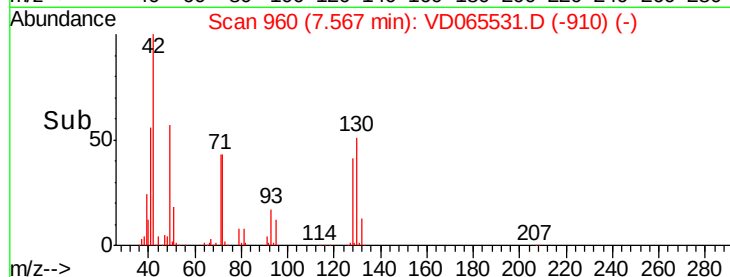
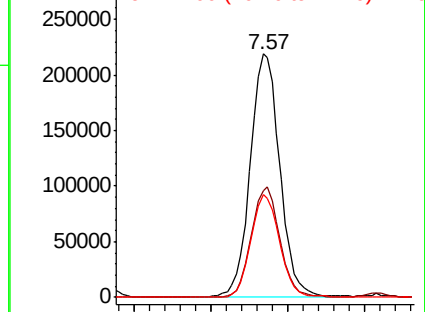
42 100

72 44.0 35.0 52.6

71 41.2 33.0 49.6



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: 141.280 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065531.D

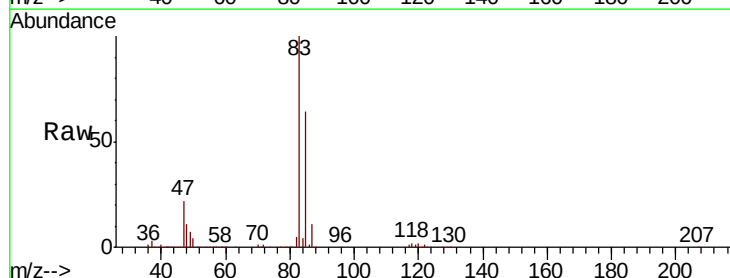
Acq: 26 Mar 2020 17:57

Tgt Ion: 83 Resp: 1273324

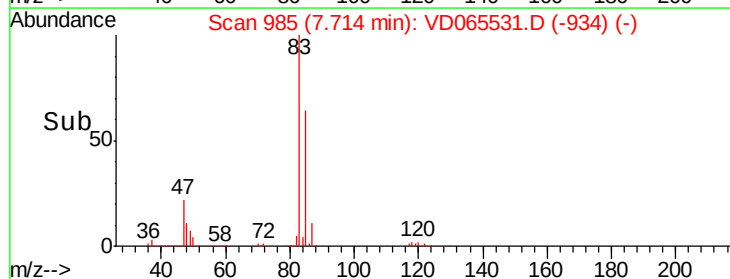
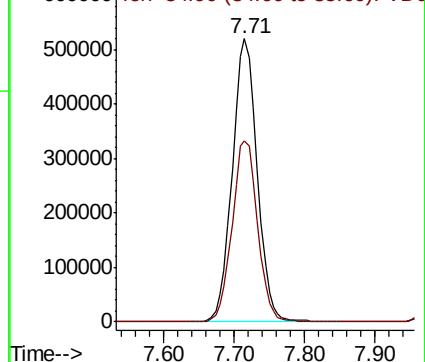
Ion Ratio Lower Upper

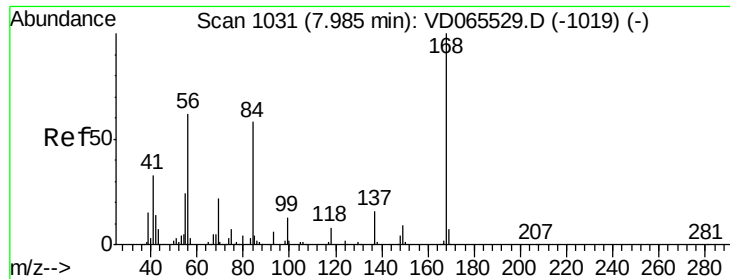
83 100

85 63.7 52.9 79.3



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

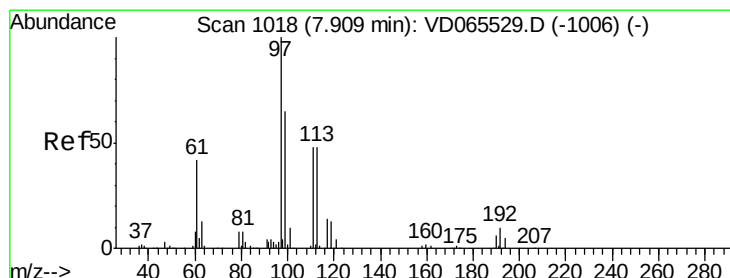
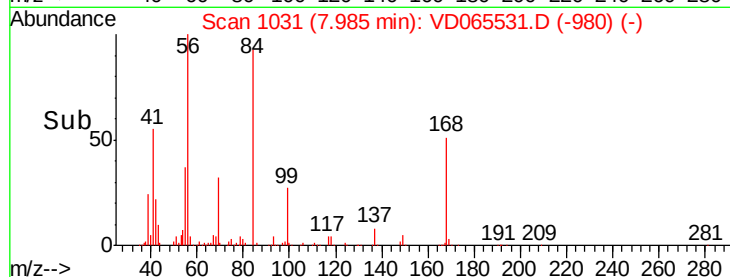
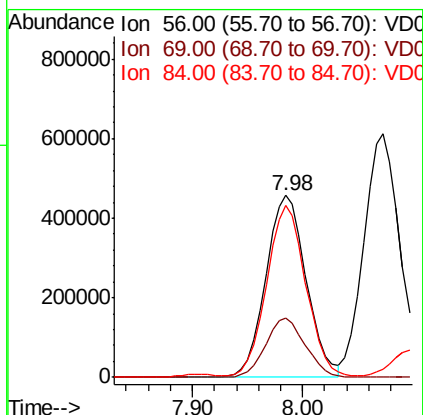
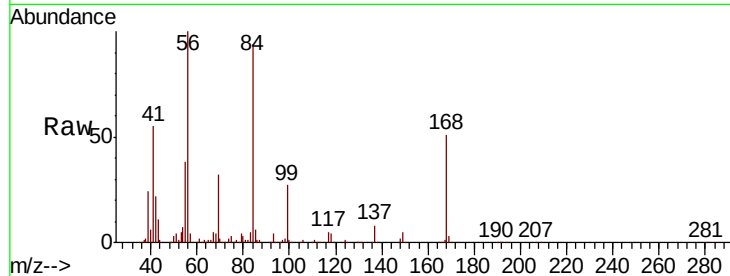




#31
Cyclohexane
Concen: 129.987 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

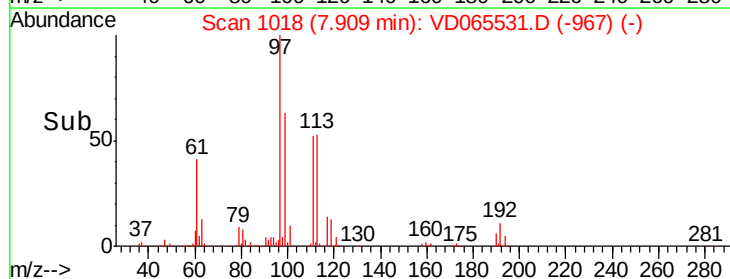
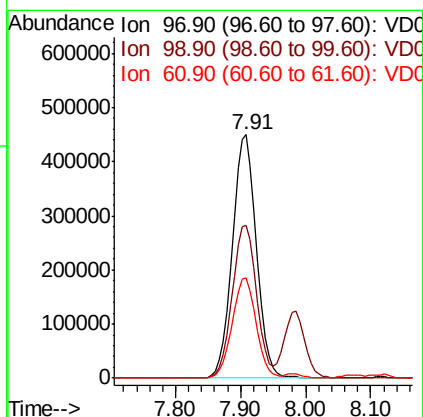
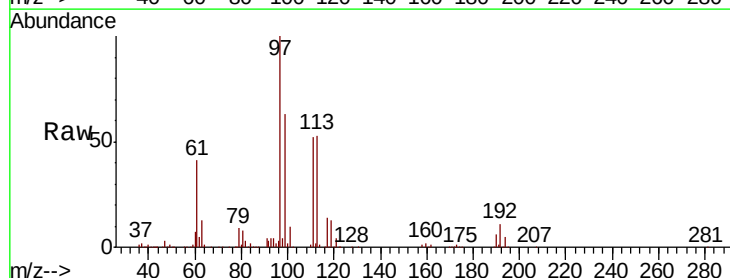
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

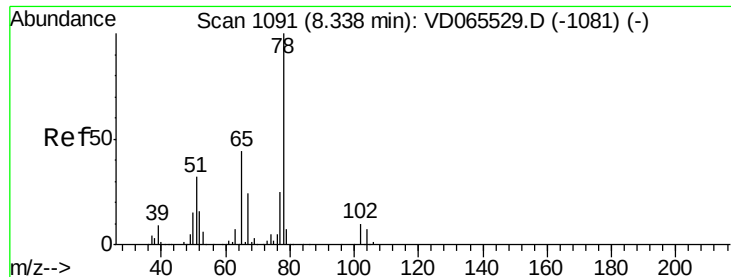
Tot Ion: 56 Resp: 1162424
Ion Ratio Lower Upper
56 100
69 32.3 28.2 42.4
84 92.7 73.4 110.0



#32
1,1,1-Trichloroethane
Concen: 137.907 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion: 97 Resp: 1146794
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 41.2 33.4 50.2

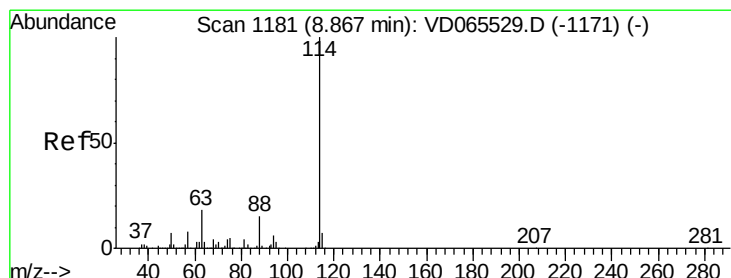
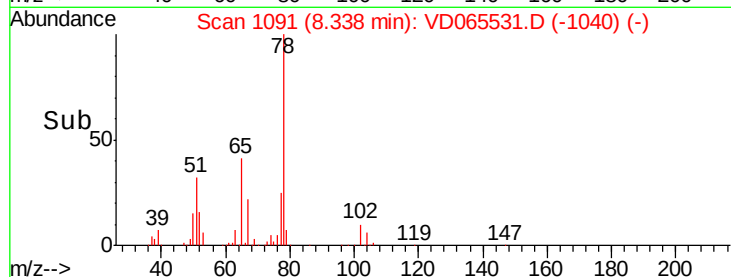
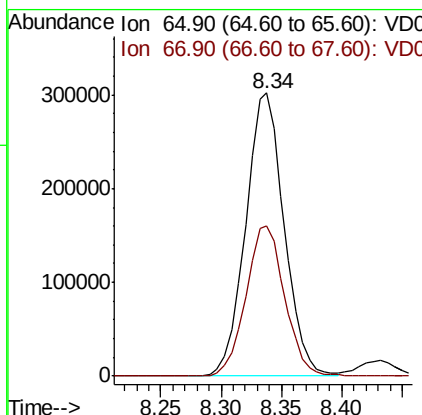
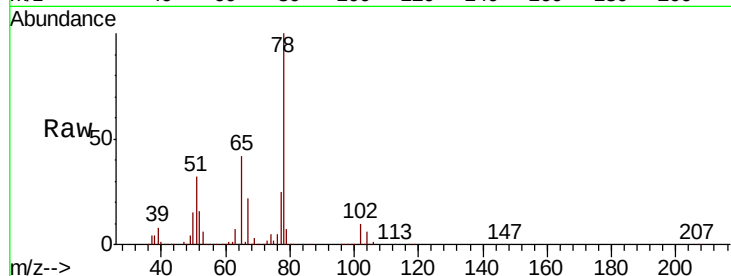




#33
 1,2-Dichloroethane-d4
 Concen: 146.537 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

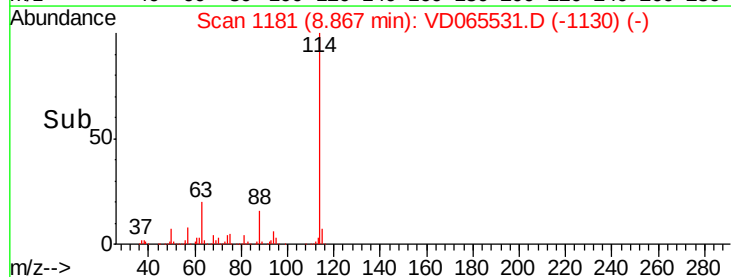
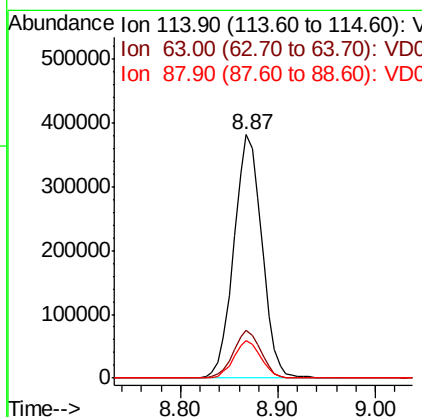
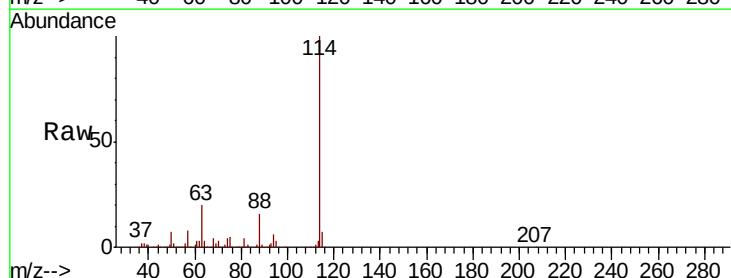
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

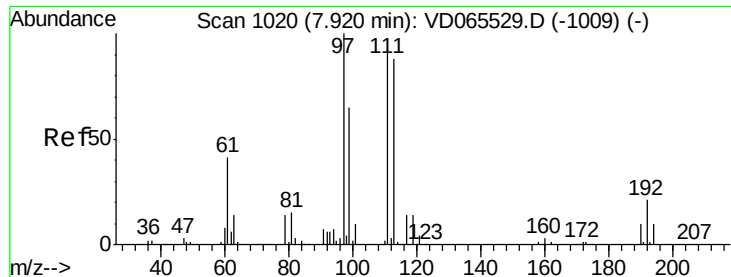
Tot Ion: 65 Resp: 668487
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion: 114 Resp: 766207
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.0
 88 15.6 0.0 30.4

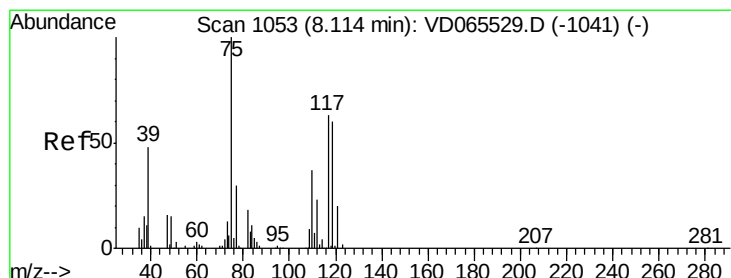
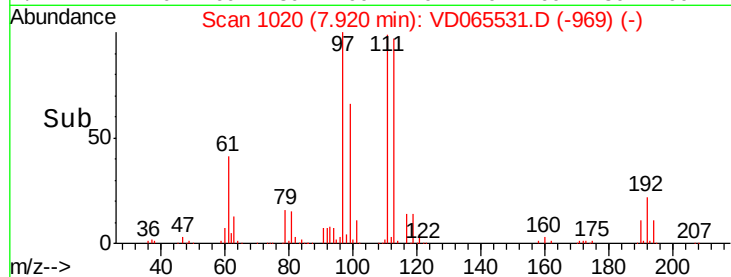
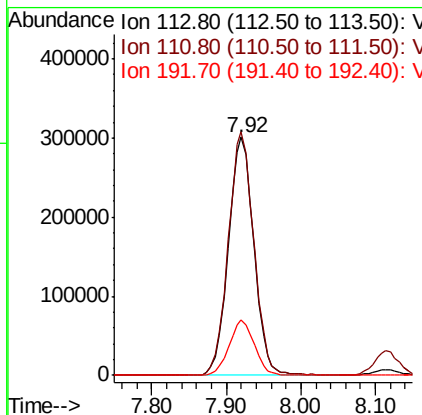
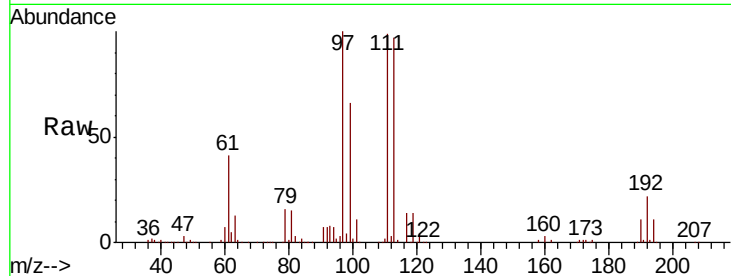




#35
 Dibromofluoromethane
 Concen: 151.684 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

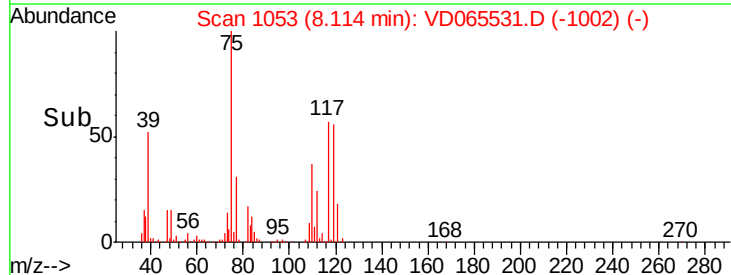
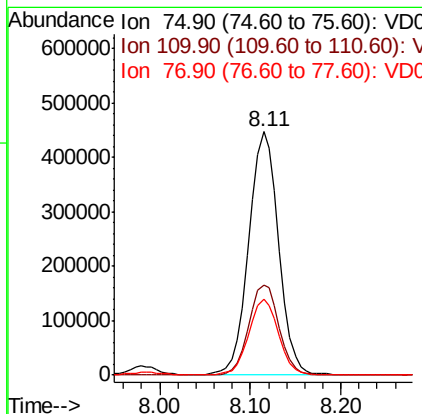
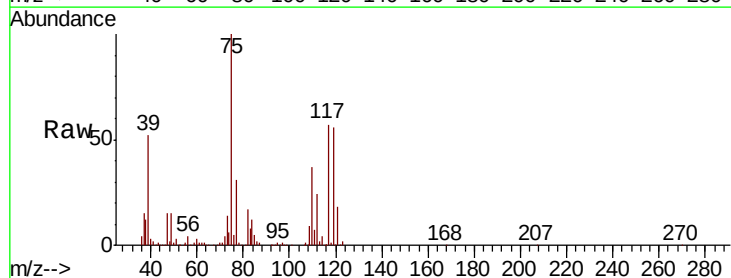
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

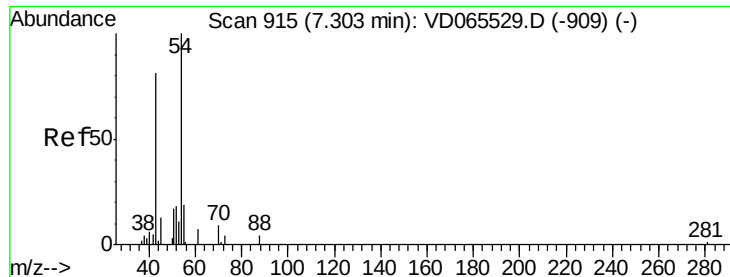
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.3	124.9
192	22.9	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 140.789 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.8	56.4
77	31.0	25.1	37.7

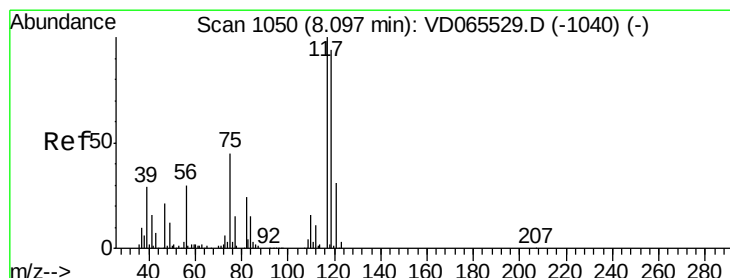
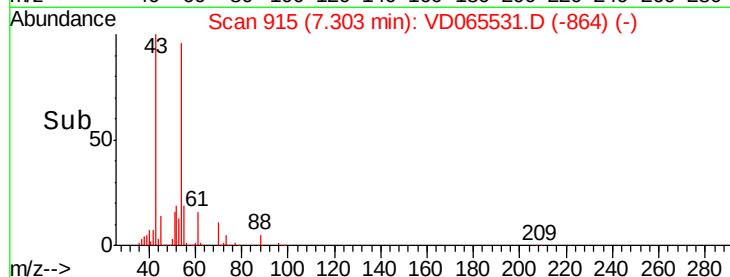
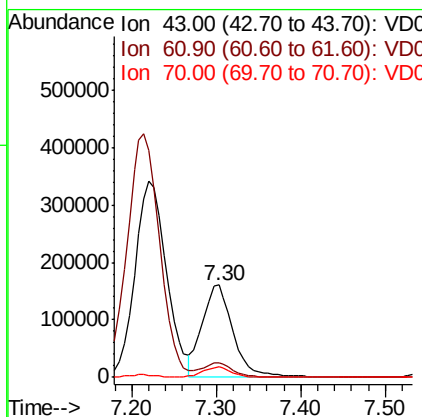
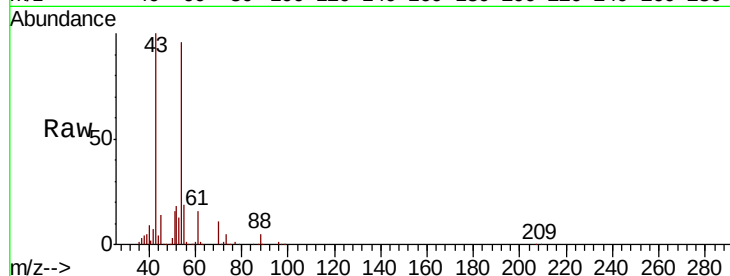




#37
Ethyl Acetate
Concen: 144.112 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

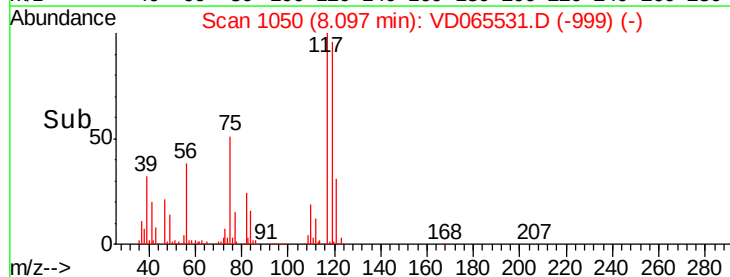
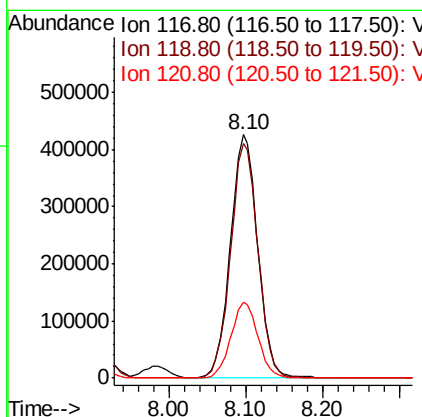
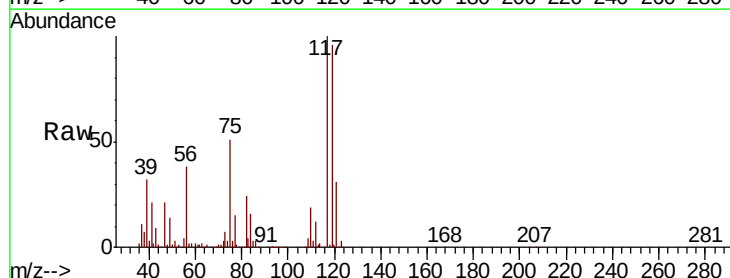
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

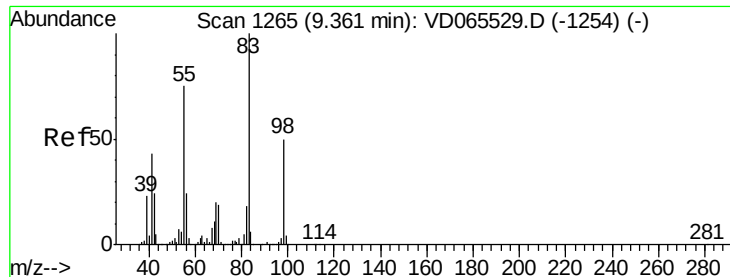
Tot Ion: 43 Resp: 405555
Ion Ratio Lower Upper
43 100
61 14.3 12.2 18.4
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 139.834 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion: 117 Resp: 1052668
Ion Ratio Lower Upper
117 100
119 96.6 75.2 112.8
121 31.3 24.5 36.7

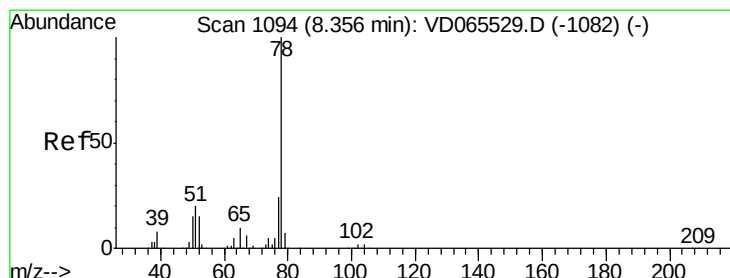
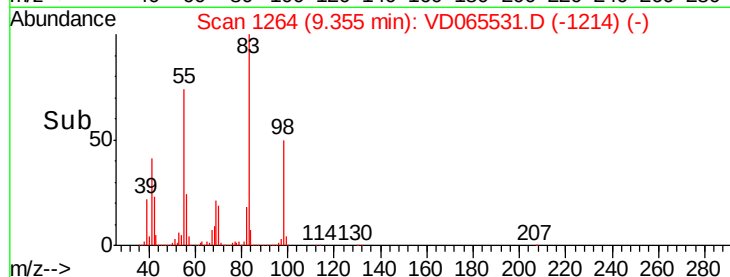
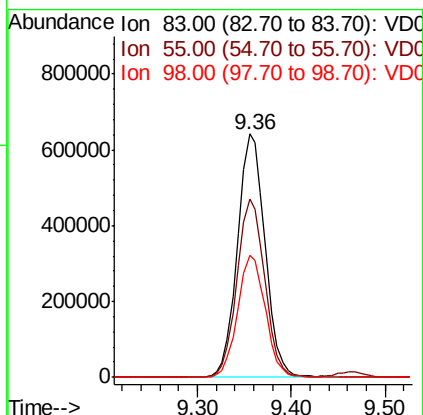
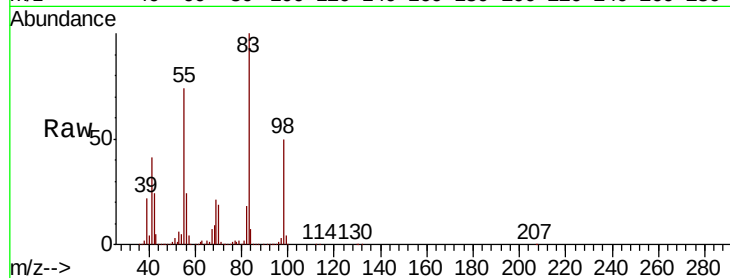




#39
Methylvlcyclohexane
Concen: 150.234 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

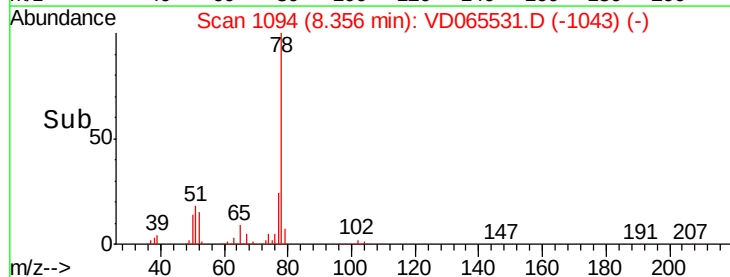
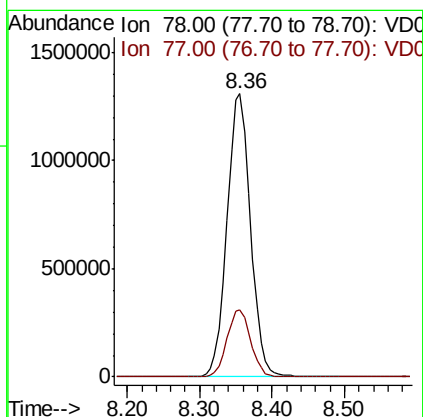
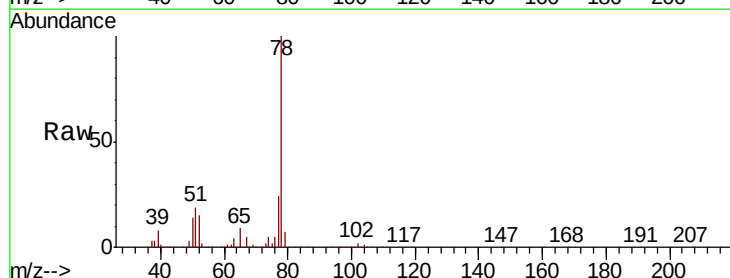
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

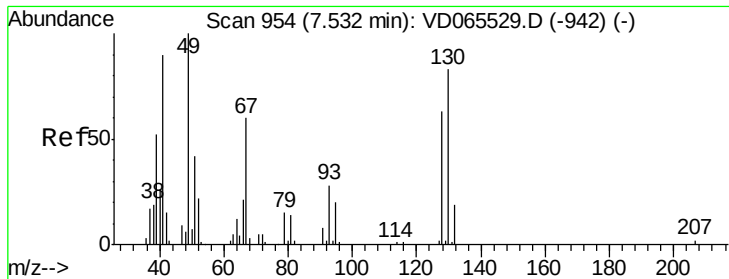
Tot Ion: 83 Resp: 1307222
Ion Ratio Lower Upper
83 100
55 73.5 59.7 89.5
98 50.0 40.2 60.2



#40
Benzene
Concen: 145.530 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion: 78 Resp: 2950246
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7





#41

Methacrylonitrile

Concen: 159.652 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 41 Resp: 243313

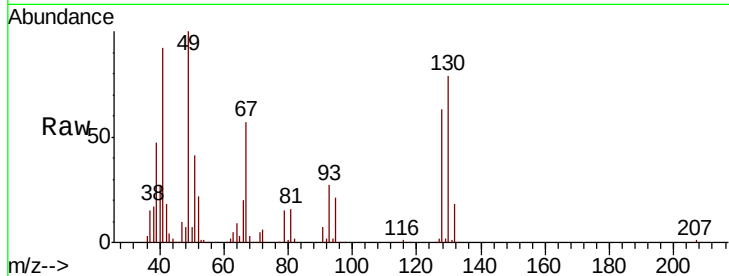
Ion Ratio Lower Upper

41 100

39 50.7 42.9 64.3

67 74.1 60.5 90.7

52 29.7 24.5 36.7

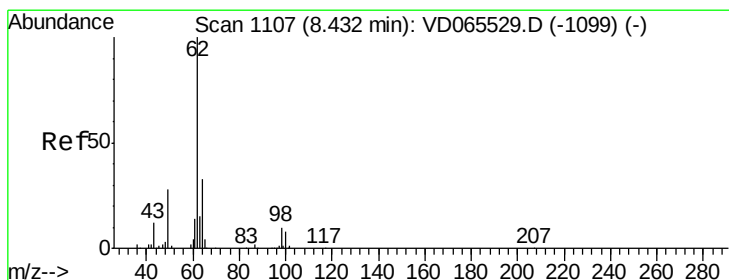
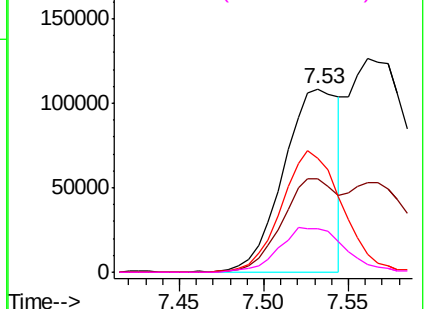
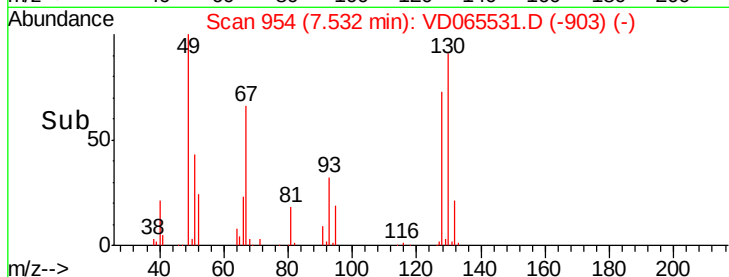


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 147.935 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065531.D

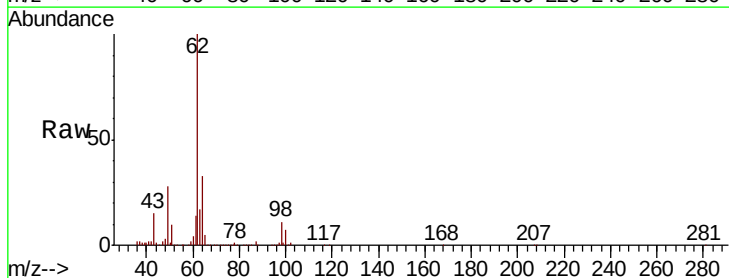
Acq: 26 Mar 2020 17:57

Tgt Ion: 62 Resp: 788200

Ion Ratio Lower Upper

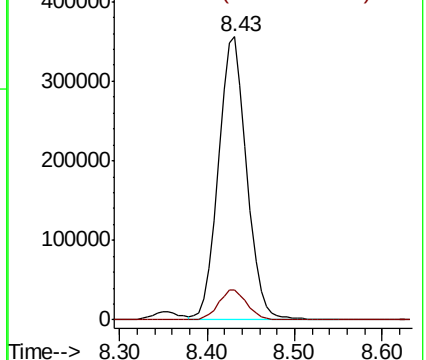
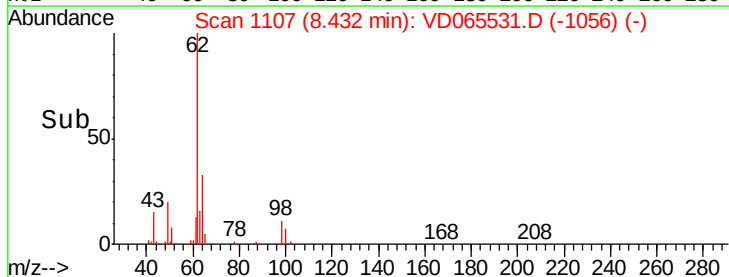
62 100

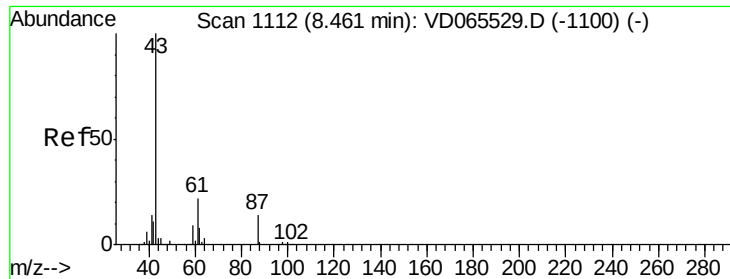
98 10.8 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 151.462 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

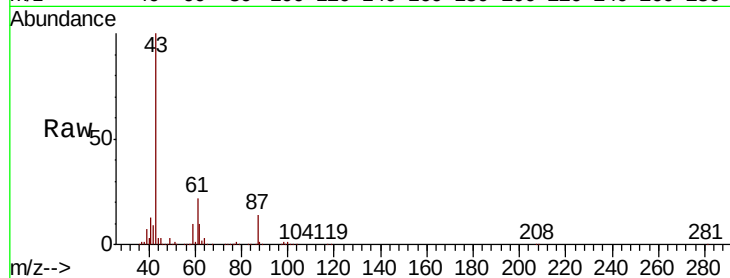
Tot Ion: 43 Resp: 784749

Ion Ratio Lower Upper

43 100

61 31.7 25.0 37.4

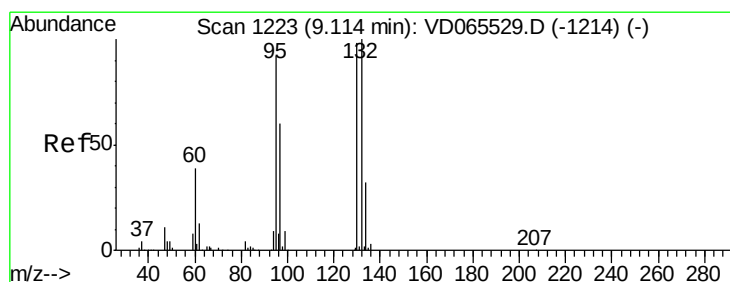
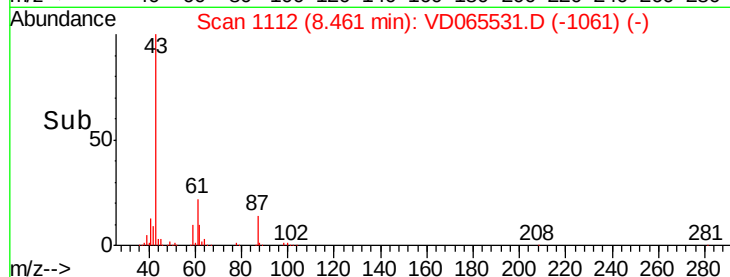
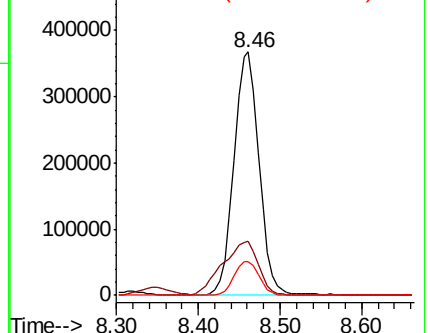
87 14.1 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 149.926 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065531.D

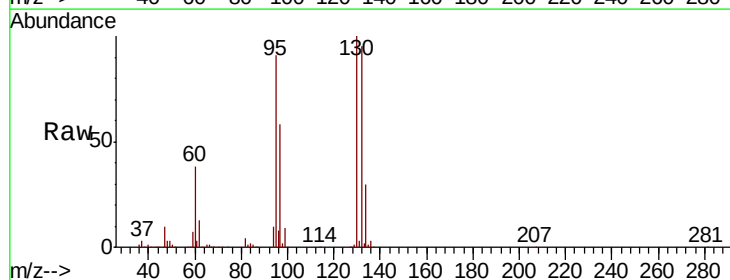
Acq: 26 Mar 2020 17:57

Tgt Ion:130 Resp: 860514

Ion Ratio Lower Upper

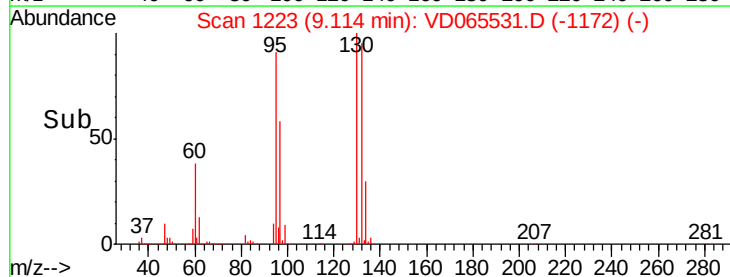
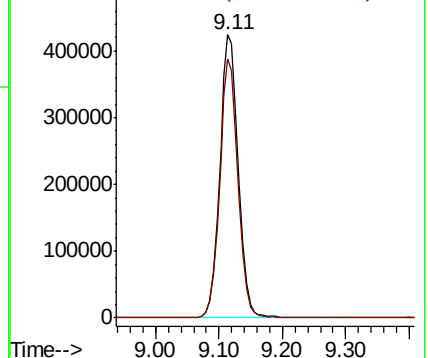
130 100

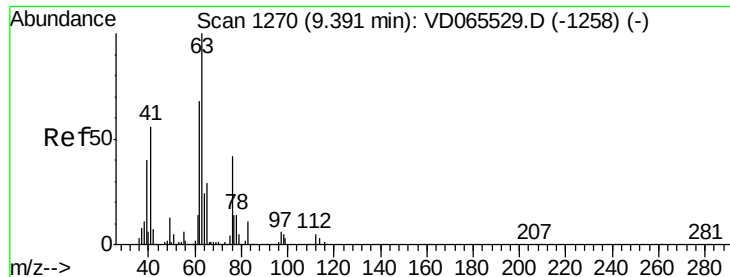
95 91.5 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 147.181 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

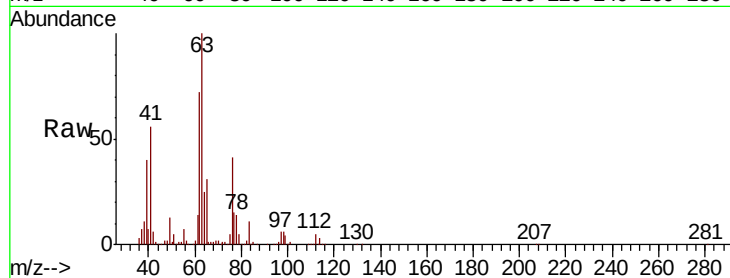
VSTDIC150

Tot Ion: 63 Resp: 724101

Ion Ratio Lower Upper

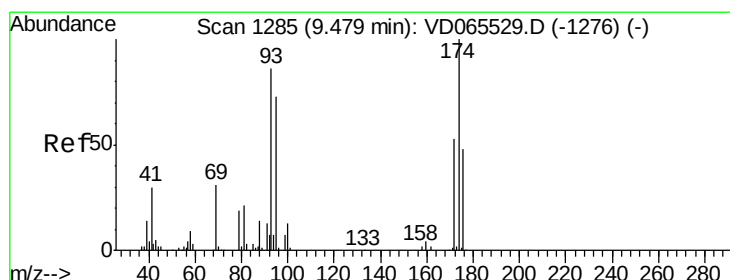
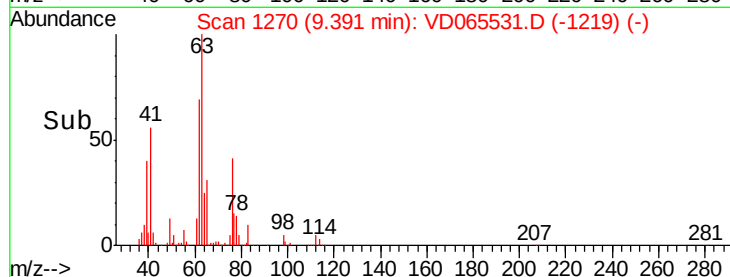
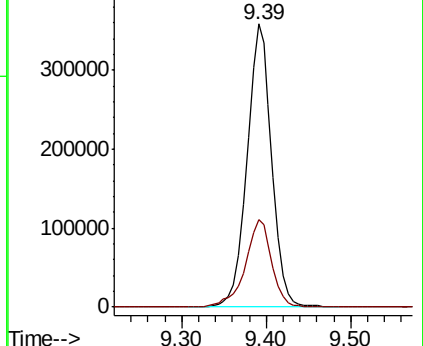
63 100

65 31.1 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 150.191 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

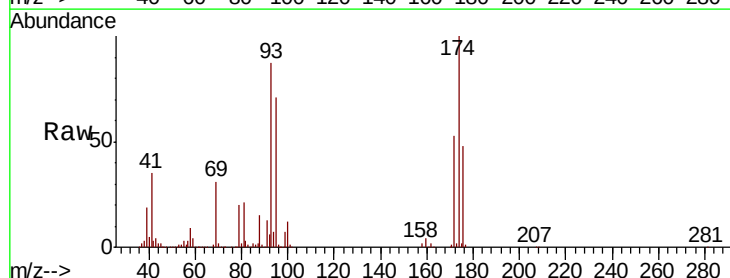
Tgt Ion: 93 Resp: 383836

Ion Ratio Lower Upper

93 100

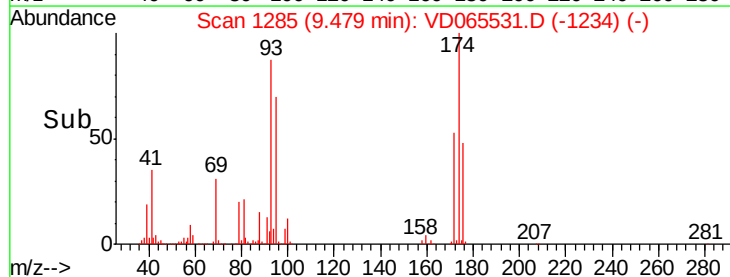
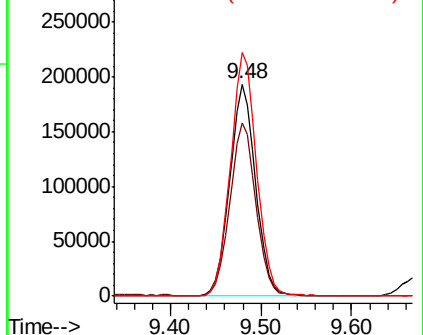
95 82.8 67.3 100.9

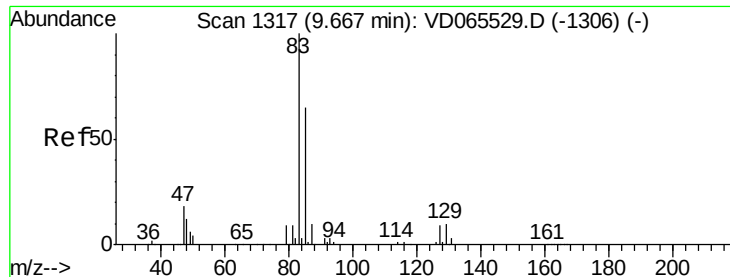
174 115.9 92.5 138.7



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

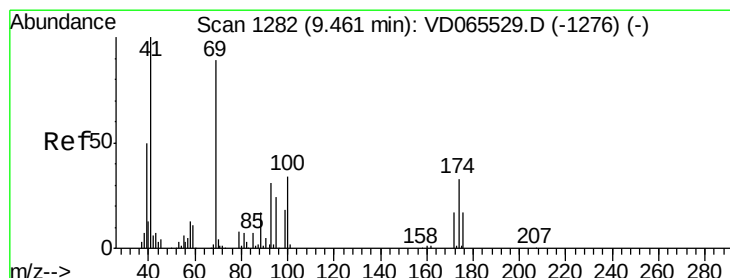
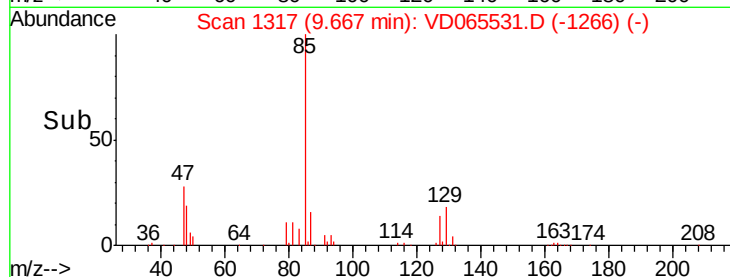
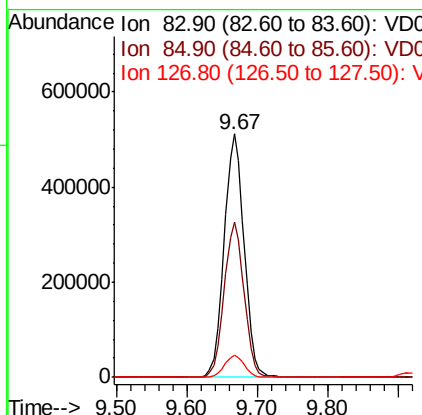
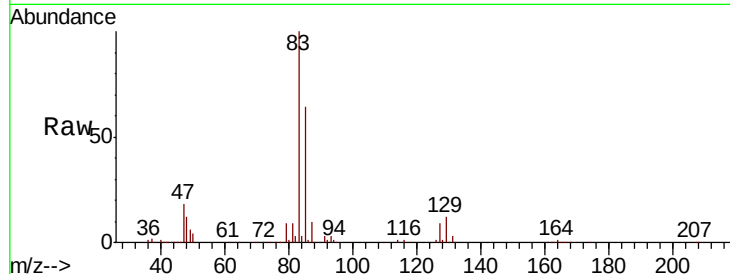




#47
Bromodichloromethane
Concen: 150.015 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

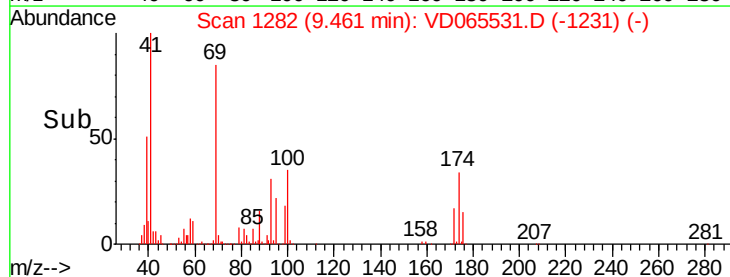
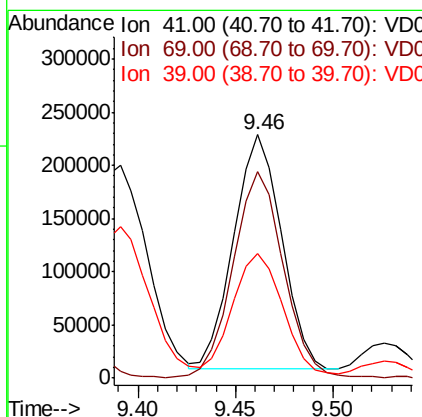
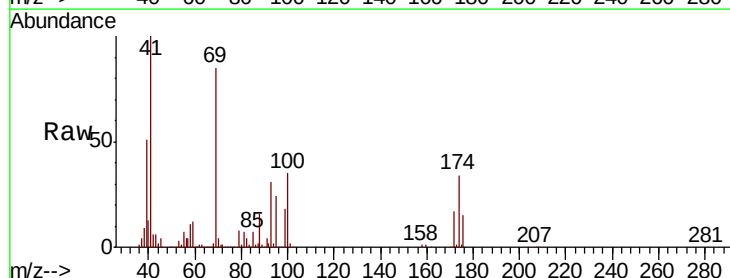
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

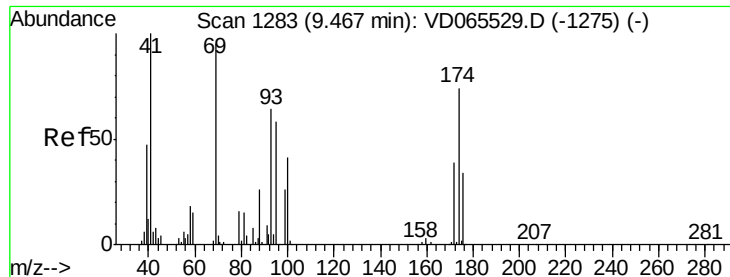
Tot Ion: 83 Resp: 997731
Ion Ratio Lower Upper
83 100
85 63.7 52.2 78.2
127 9.0 7.1 10.7



#48
Methyl methacrylate
Concen: 153.773 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion: 41 Resp: 376157
Ion Ratio Lower Upper
41 100
69 91.6 71.8 107.6
39 52.6 42.2 63.4

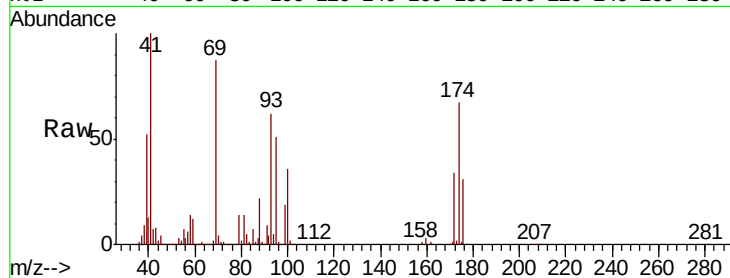




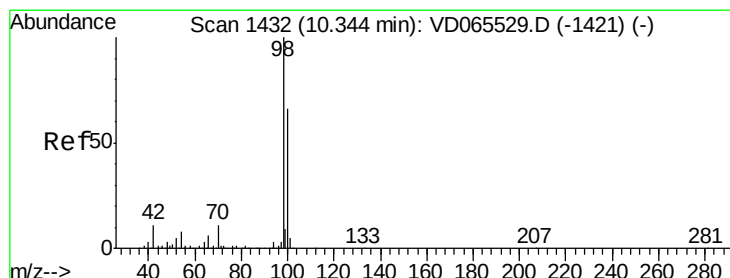
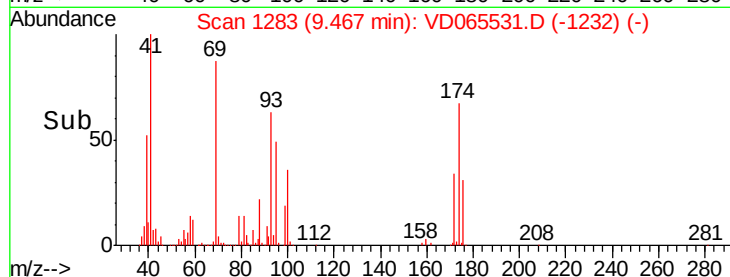
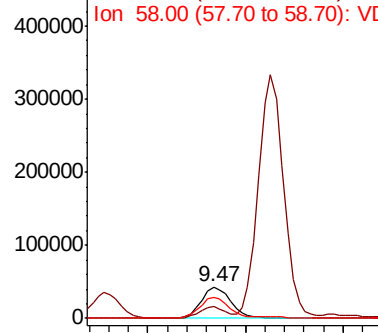
#49
1,4-Dioxane
Concen: 3106.477 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 88 Resp: 91407
Ion Ratio Lower Upper
88 100
43 33.3 26.0 39.0
58 70.0 54.6 82.0

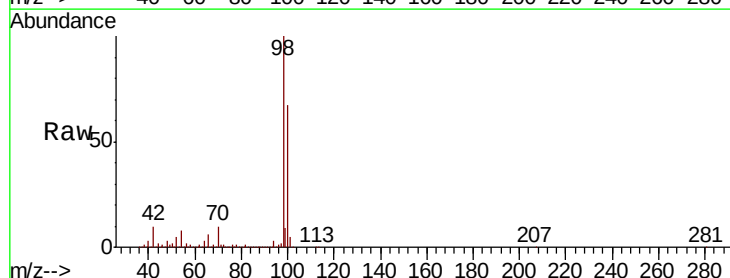


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

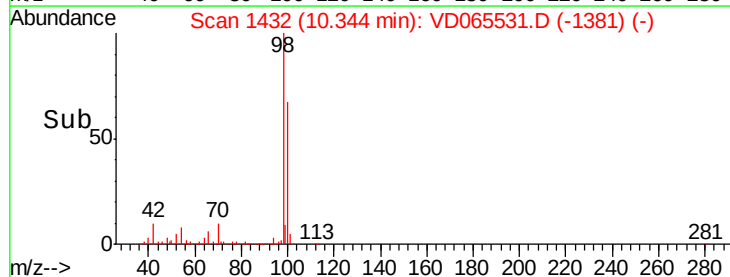
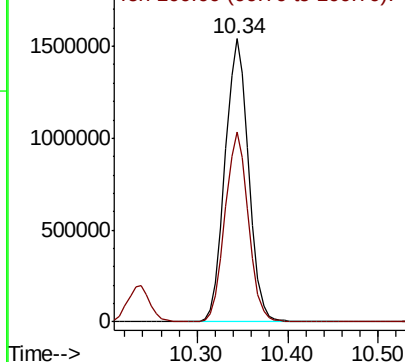


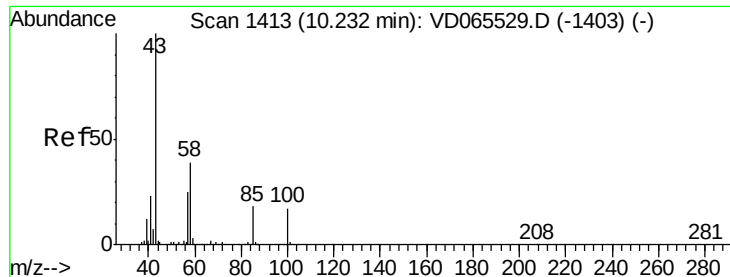
#50
Toluene-d8
Concen: 154.342 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion: 98 Resp: 2781877
Ion Ratio Lower Upper
98 100
100 66.5 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 759.372 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

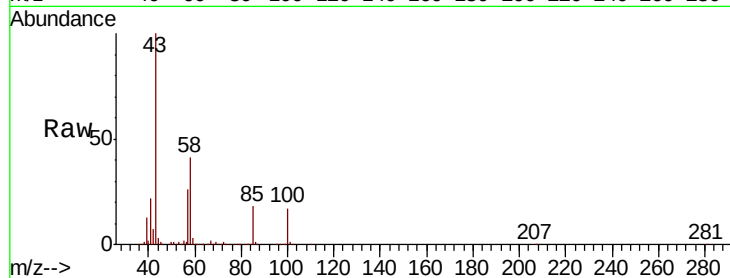
VSTDIC150

Tot Ion: 43 Resp: 1986438

Ion Ratio Lower Upper

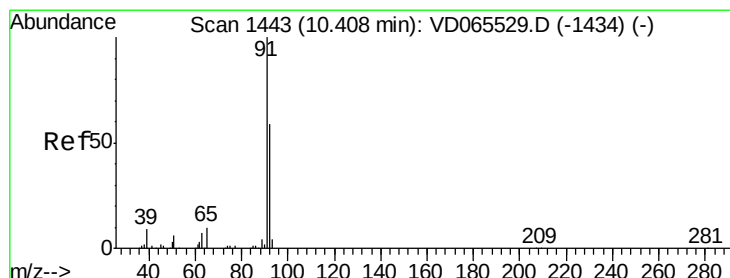
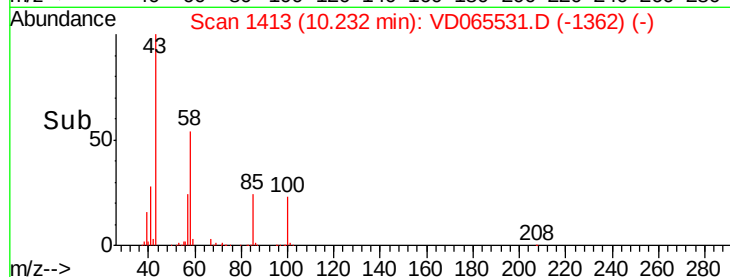
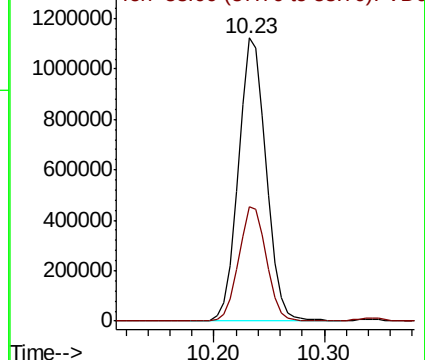
43 100

58 40.4 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 150.465 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065531.D

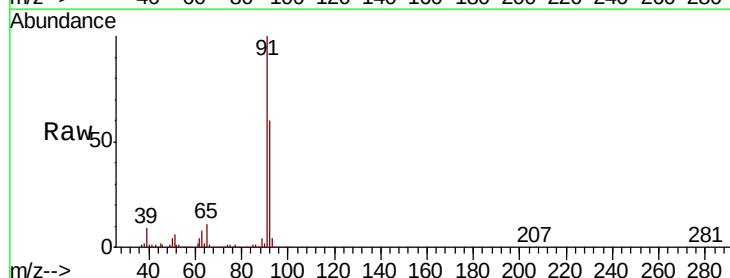
Acq: 26 Mar 2020 17:57

Tgt Ion: 92 Resp: 1925107

Ion Ratio Lower Upper

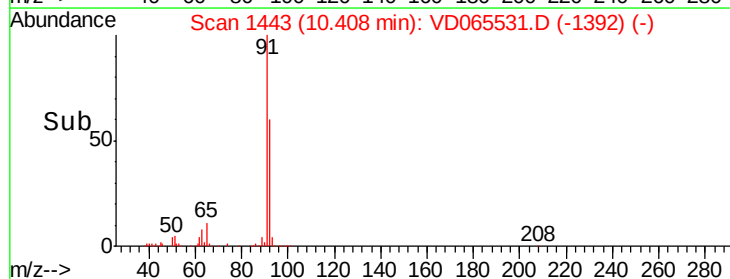
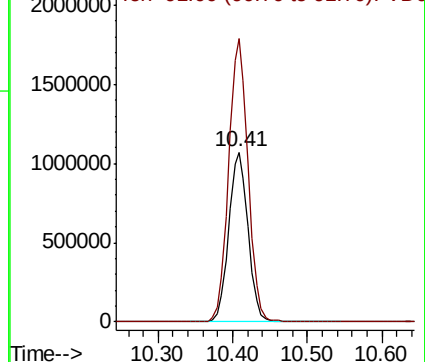
92 100

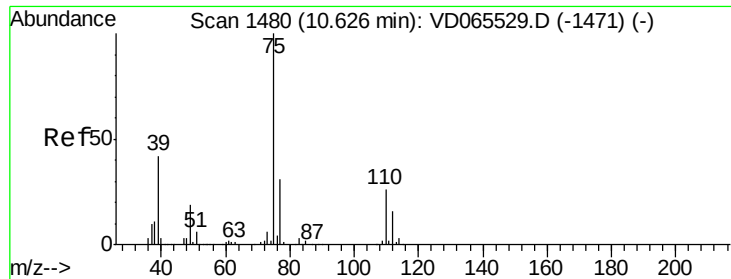
91 168.5 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 159.956 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

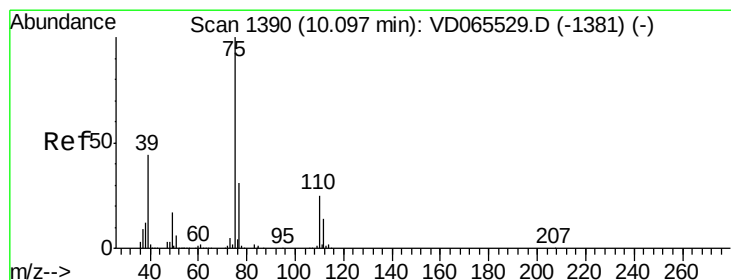
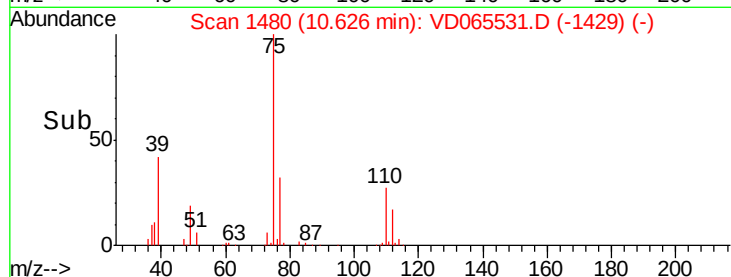
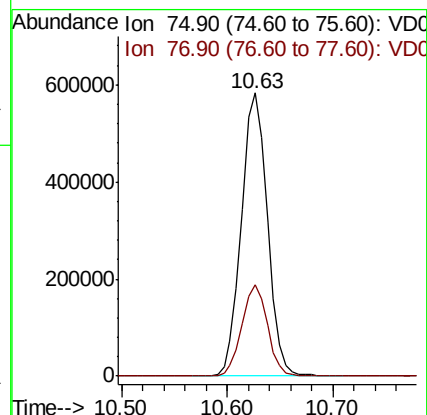
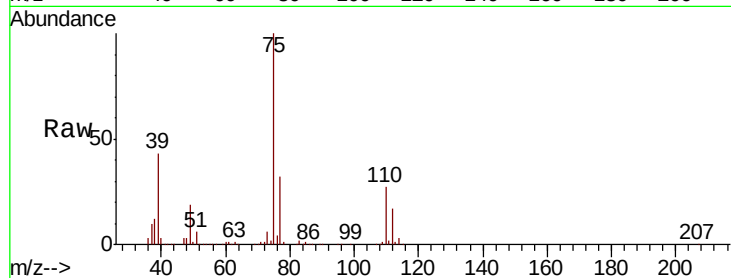
VSTDIC150

Tot Ion: 75 Resp: 995187

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 157.600 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

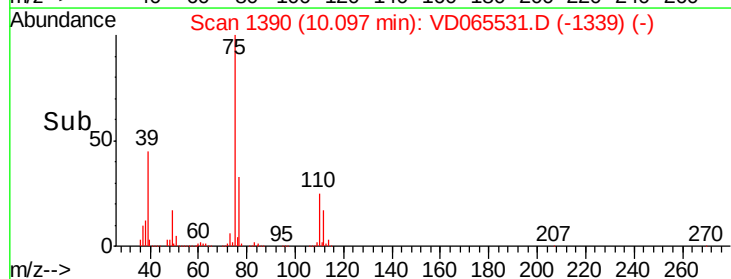
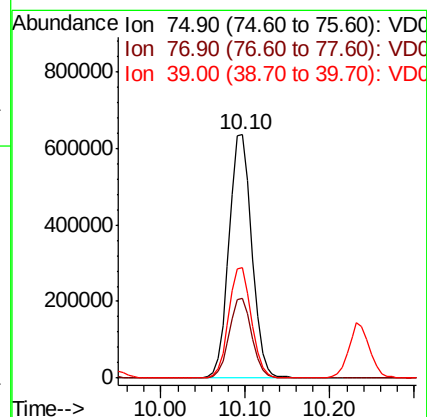
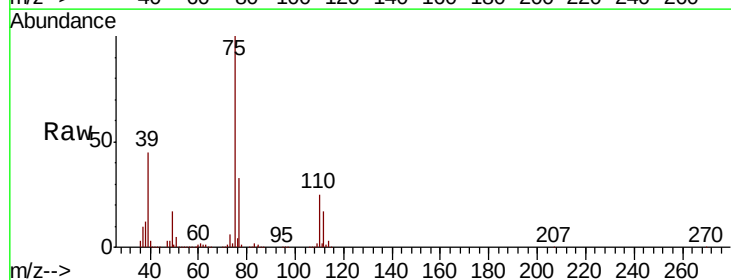
Tgt Ion: 75 Resp: 1185762

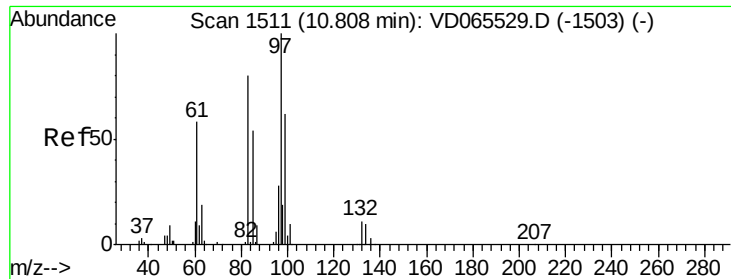
Ion Ratio Lower Upper

75 100

77 32.6 24.6 36.8

39 45.1 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 149.084 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 542644

Ion	Ratio	Lower	Upper
97	100		
83	82.4	63.8	95.6
85	53.7	42.9	64.3
99	61.5	49.9	74.9

Abundance

Ion 96.90 (96.60 to 97.60): VDC

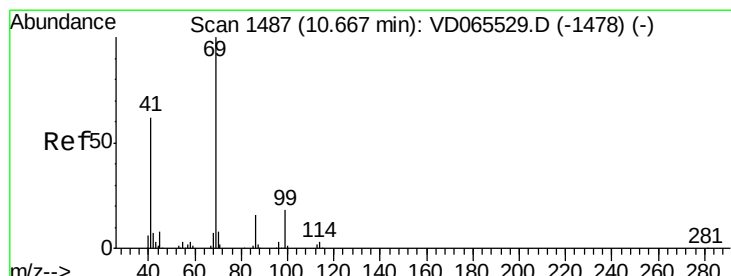
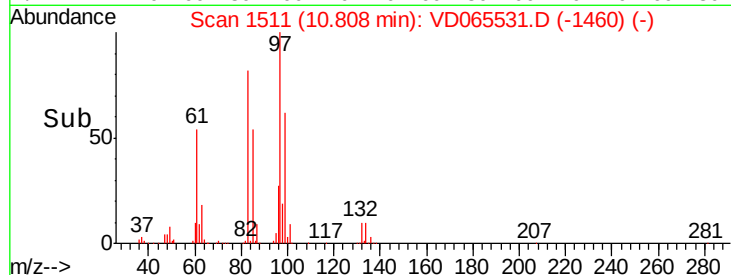
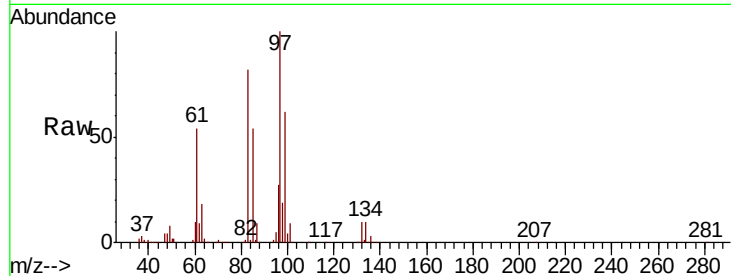
Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

10.81

Time-->



#56

Ethyl methacrylate

Concen: 169.867 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Tgt Ion: 69 Resp: 696115

Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.3	76.9
39	30.8	25.3	37.9

Abundance

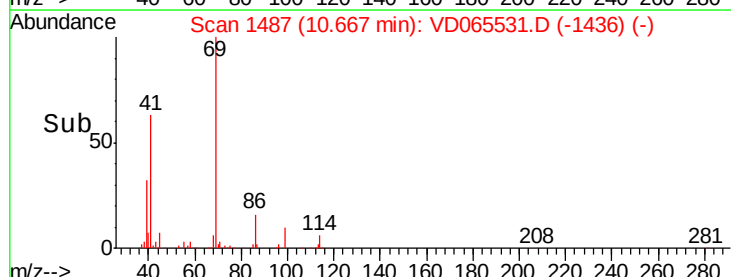
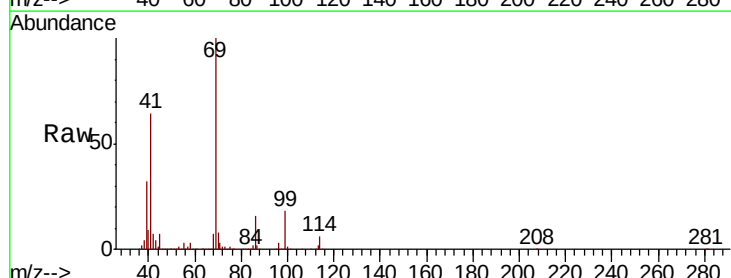
Ion 69.00 (68.70 to 69.70): VDC

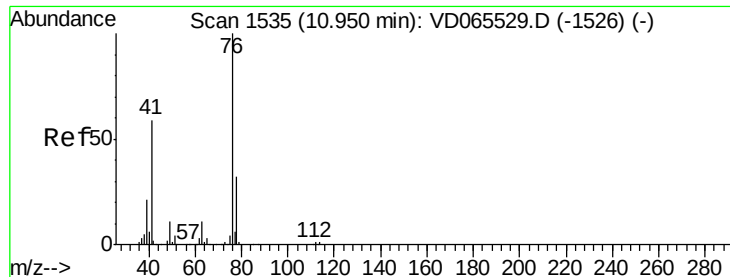
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.67

Time-->





#57

1,3-Dichloropropane

Concen: 151.966 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

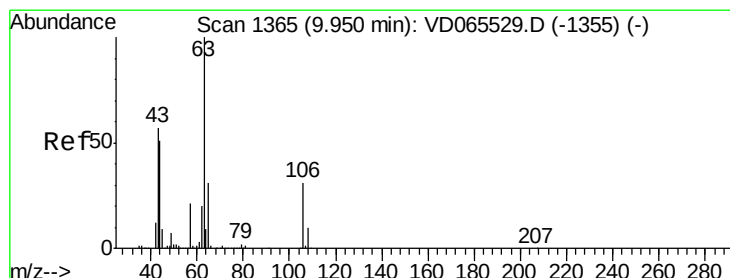
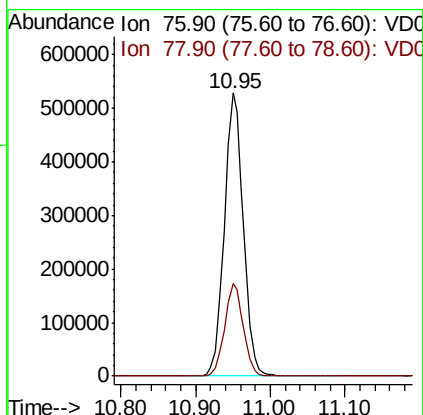
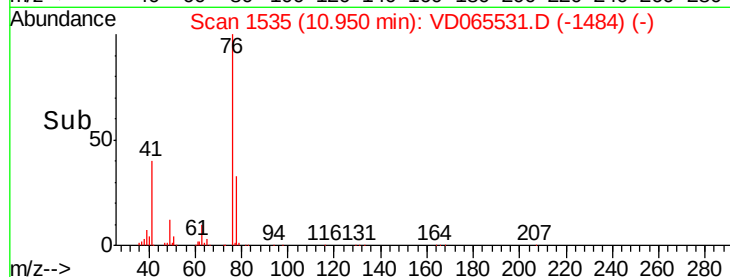
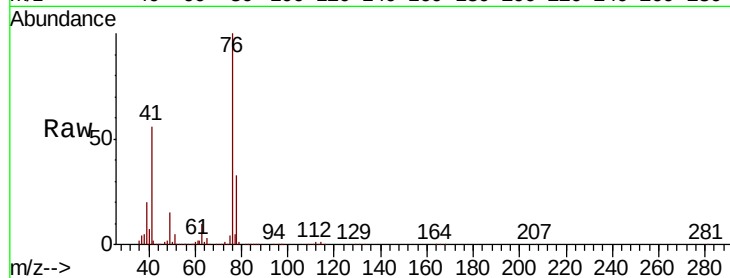
VSTDIC150

Tot Ion: 76 Resp: 934875

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 1189.370 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065531.D

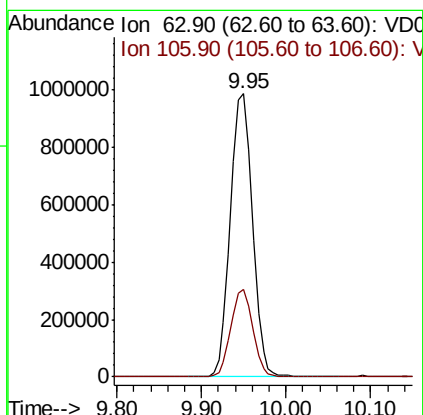
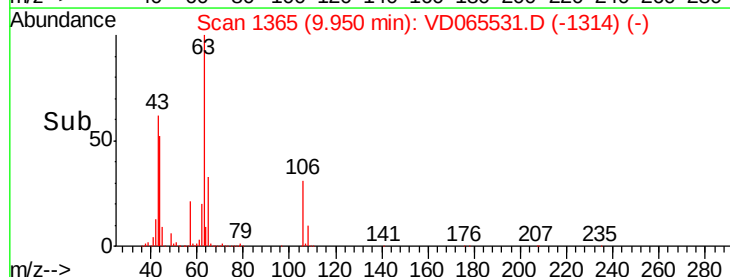
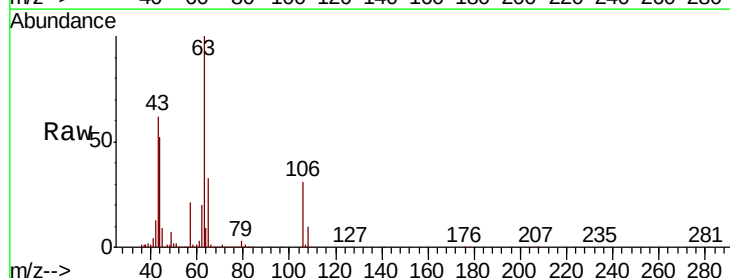
Acq: 26 Mar 2020 17:57

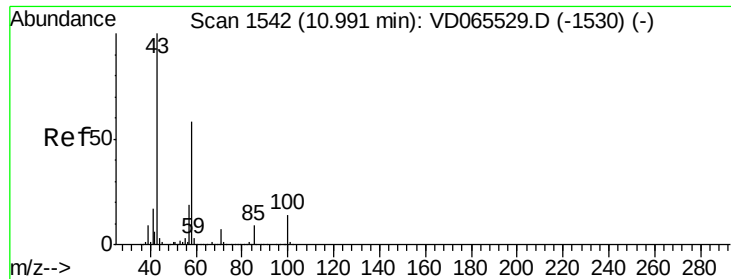
Tgt Ion: 63 Resp: 1781346

Ion Ratio Lower Upper

63 100

106 30.3 24.3 36.5

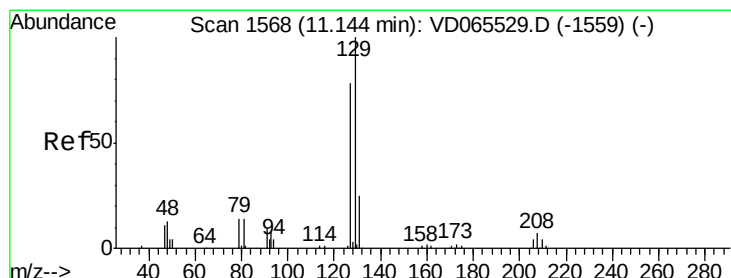
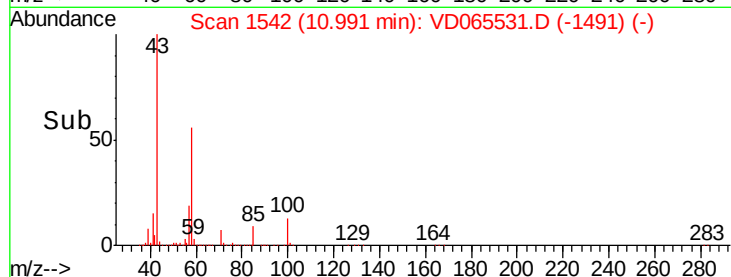
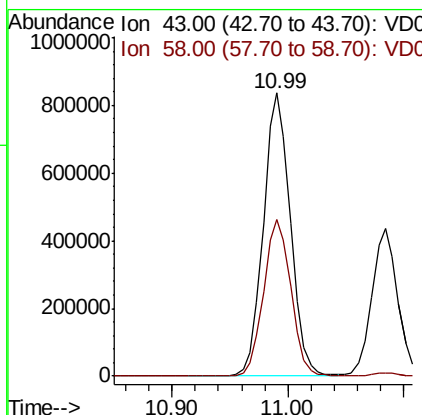
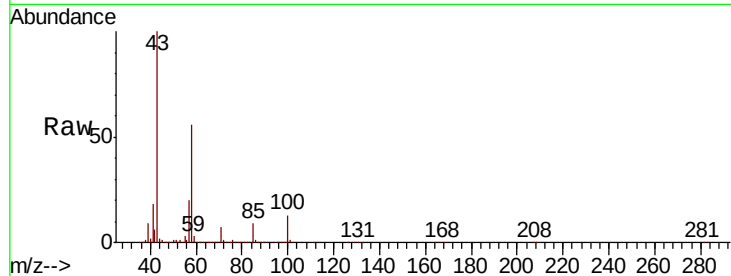




#59
2-Hexanone
Concen: 757.095 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

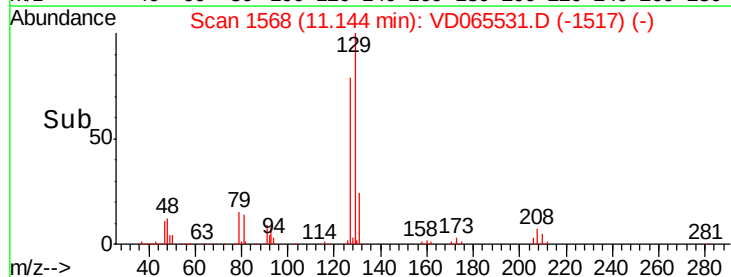
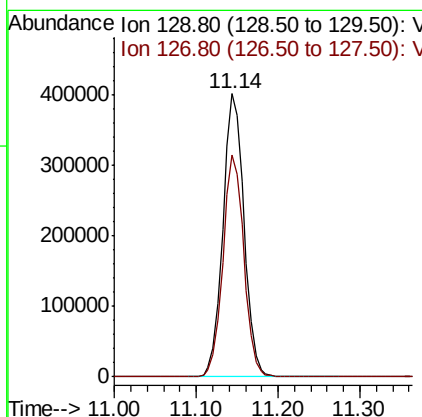
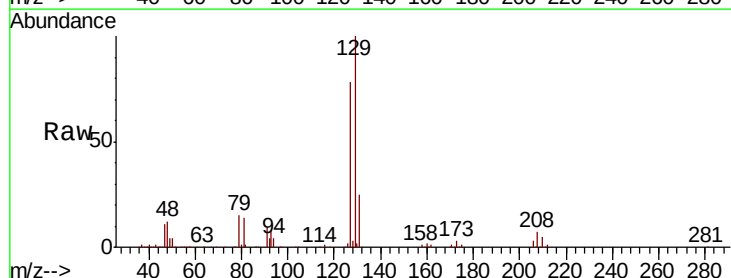
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

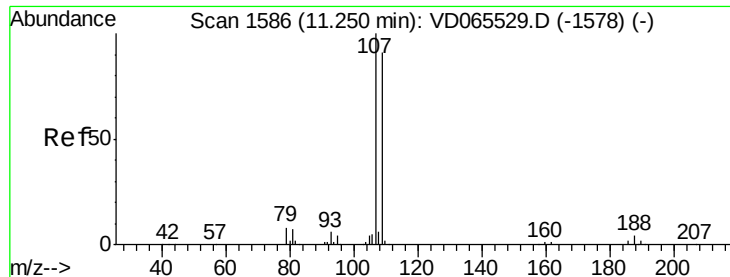
Tot Ion: 43 Resp: 1367130
Ion Ratio Lower Upper
43 100
58 55.9 27.9 83.7



#60
Dibromochloromethane
Concen: 154.040 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion: 129 Resp: 720118
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6

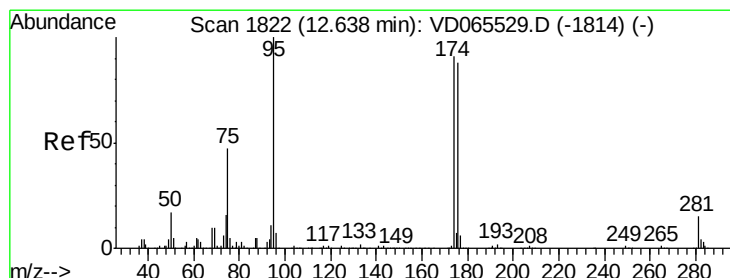
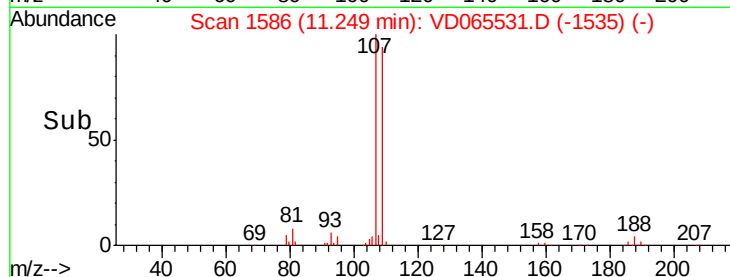
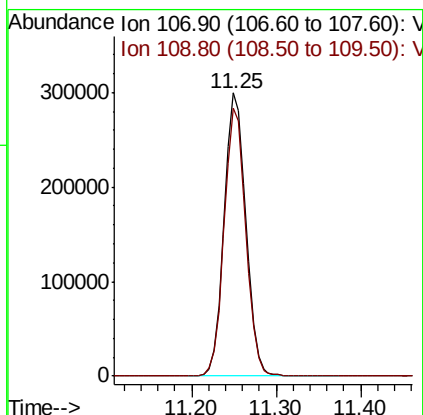
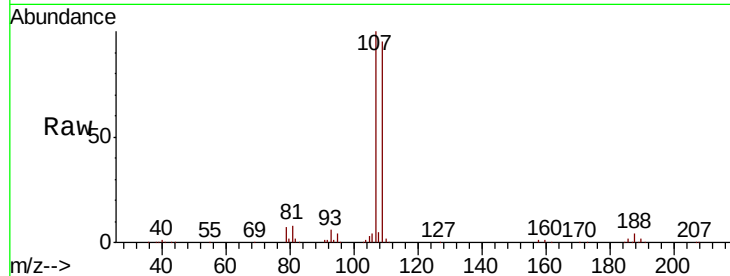




#61
 1,2-Dibromoethane
 Concen: 152.644 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

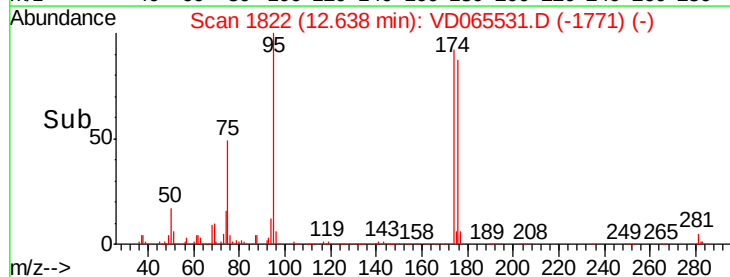
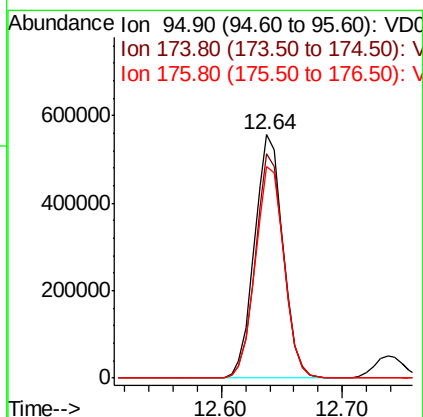
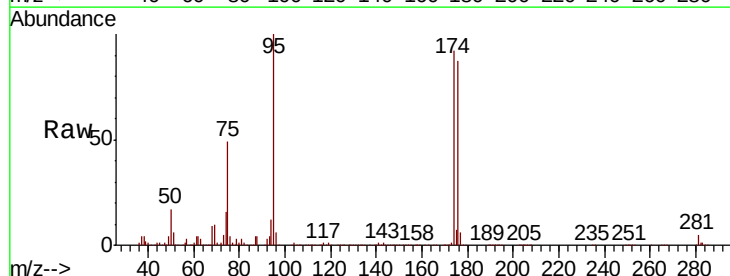
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

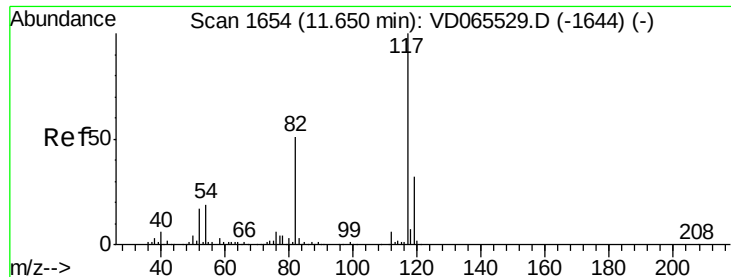
Tot Ion:107 Resp: 531937
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 163.923 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion: 95 Resp: 915235
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 183.8
 176 88.2 0.0 178.2

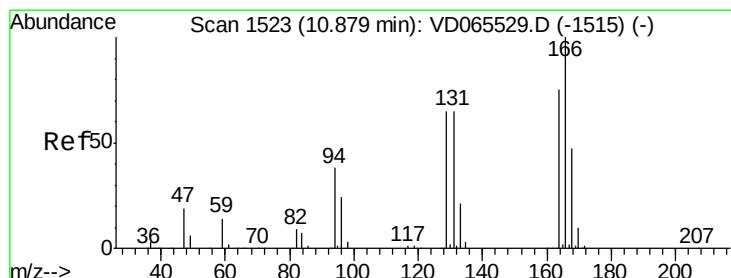
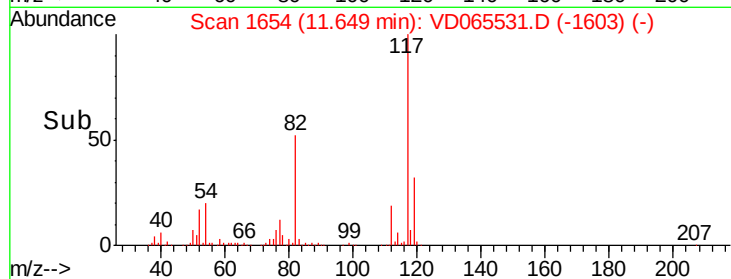
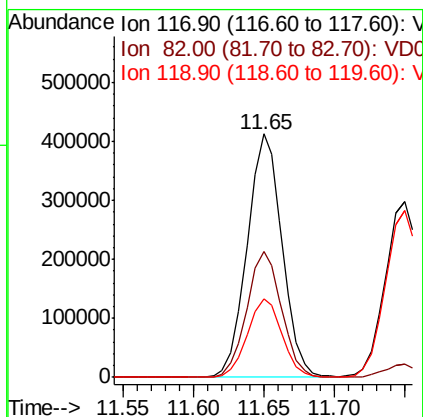
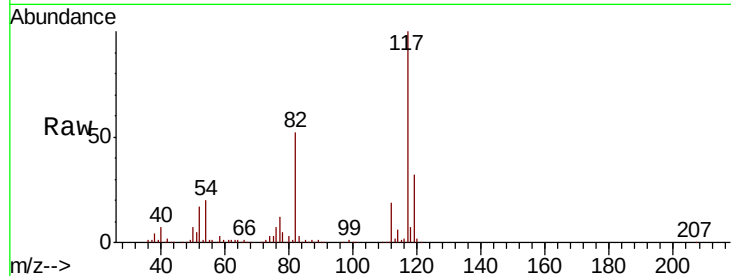




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

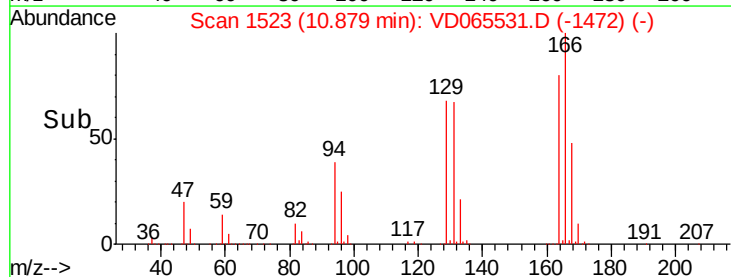
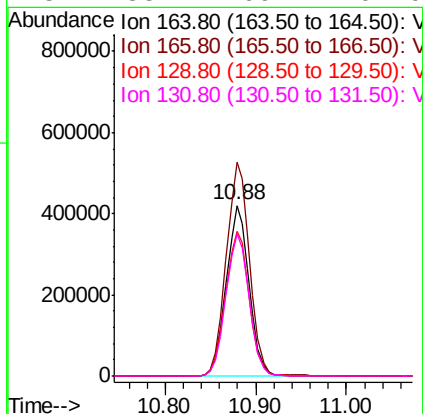
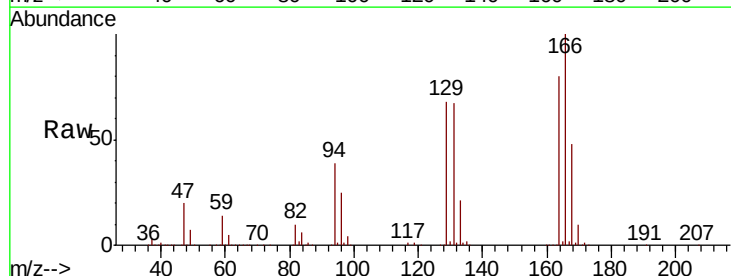
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

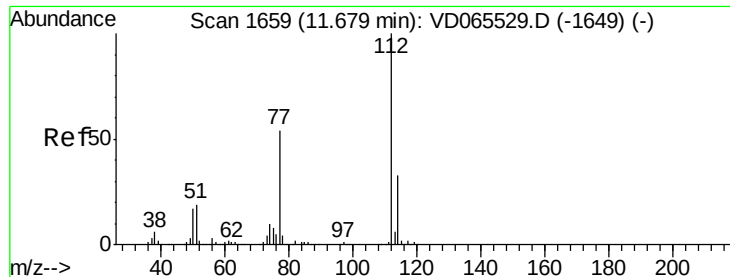
Tot Ion:117 Resp: 715467
Ion Ratio Lower Upper
117 100
82 51.8 41.0 61.6
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 143.155 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion:164 Resp: 729418
Ion Ratio Lower Upper
164 100
166 125.1 107.1 160.7
129 84.9 69.2 103.8
131 83.2 69.4 104.0

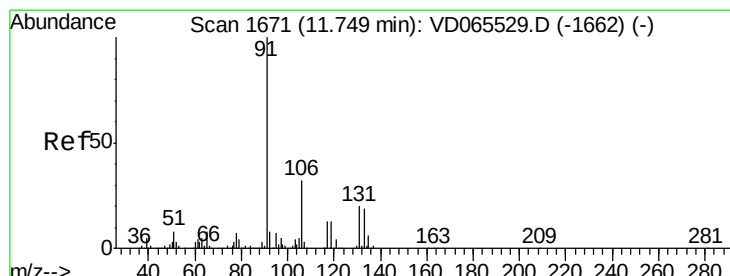
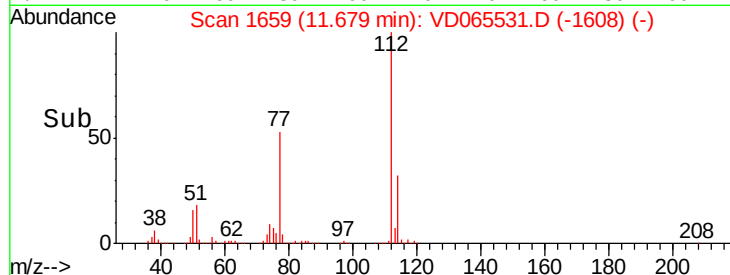
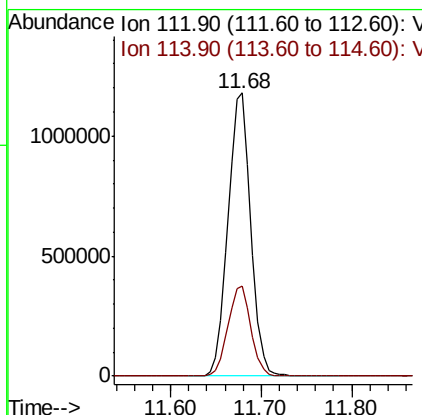
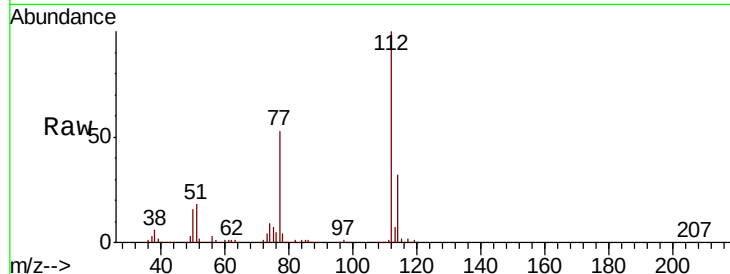




#65
Chlorobenzene
Concen: 146.388 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

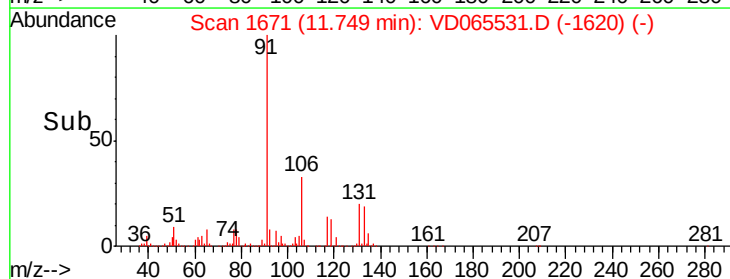
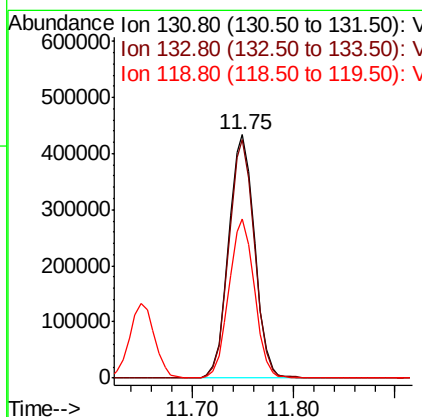
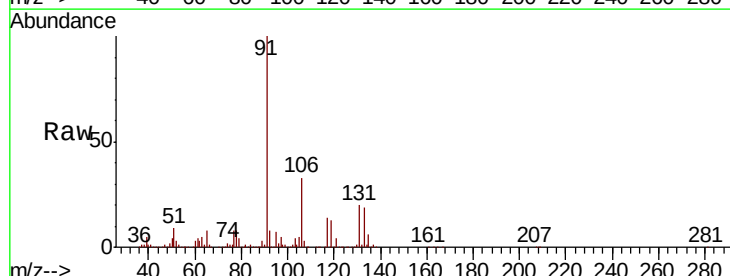
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

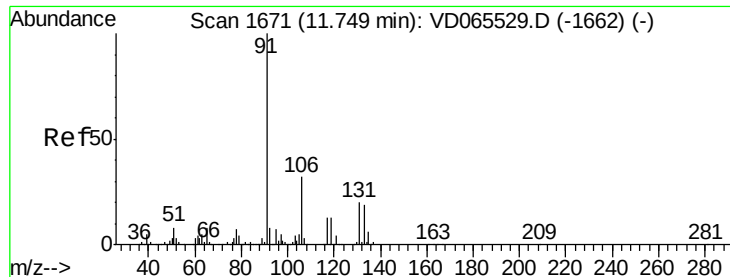
Tot Ion:112 Resp: 2057111
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 149.560 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion:131 Resp: 769781
Ion Ratio Lower Upper
131 100
133 96.5 48.9 146.7
119 64.5 32.5 97.4





#67

Ethyl Benzene

Concen: 150.070 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

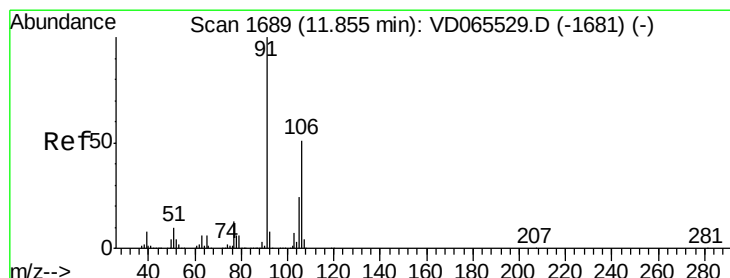
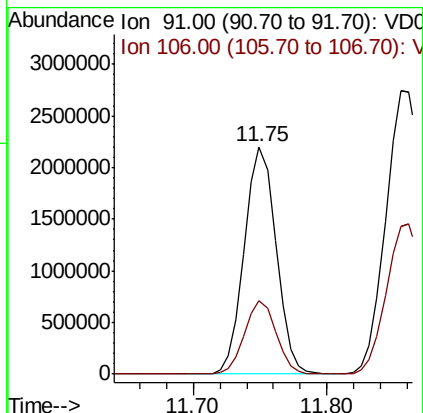
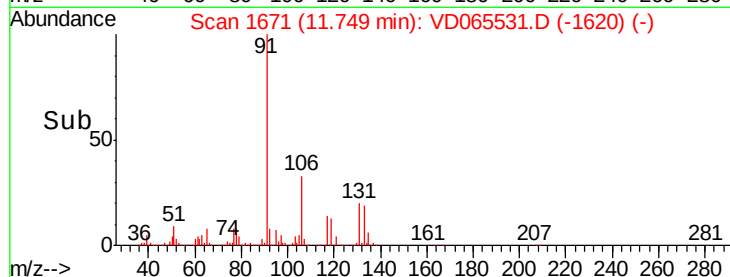
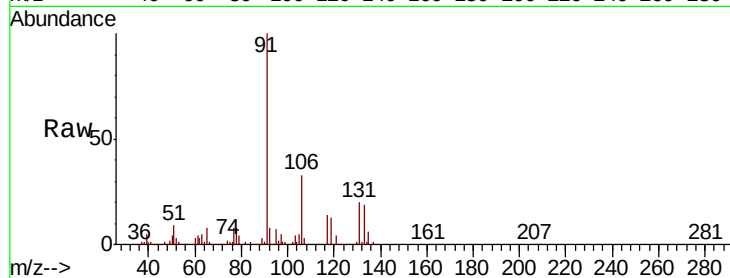
VSTDIC150

Tot Ion: 91 Resp: 3630620

Ion Ratio Lower Upper

91 100

106 32.5 25.4 38.0



#68

m/p-Xylenes

Concen: 304.868 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065531.D

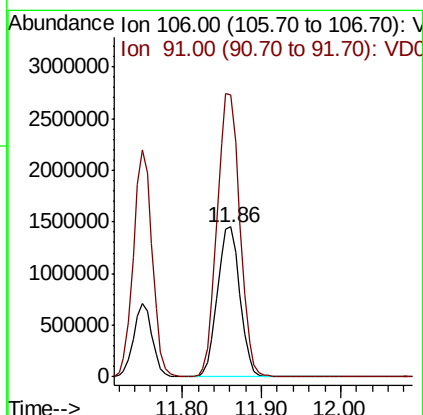
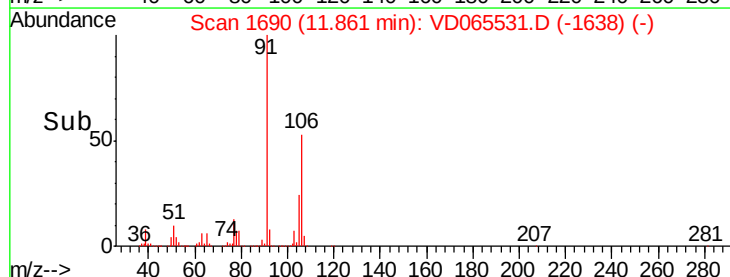
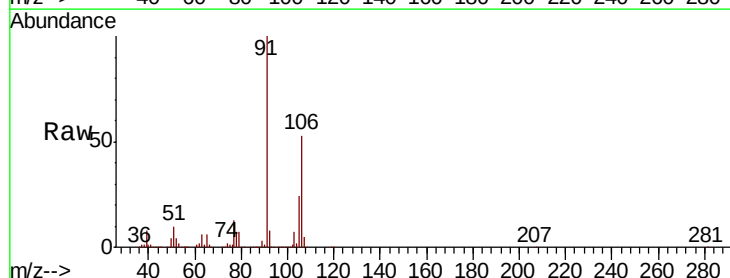
Acq: 26 Mar 2020 17:57

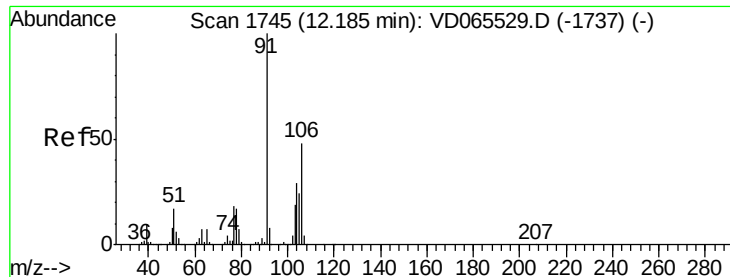
Tgt Ion: 106 Resp: 2846508

Ion Ratio Lower Upper

106 100

91 191.3 155.4 233.0

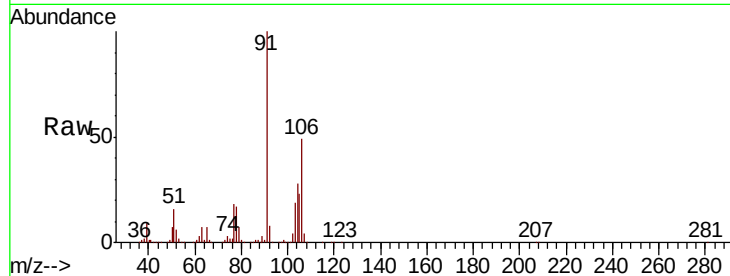




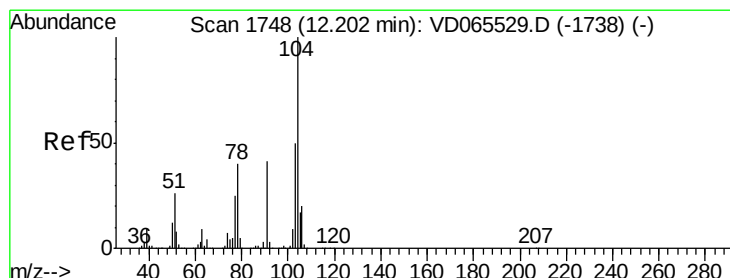
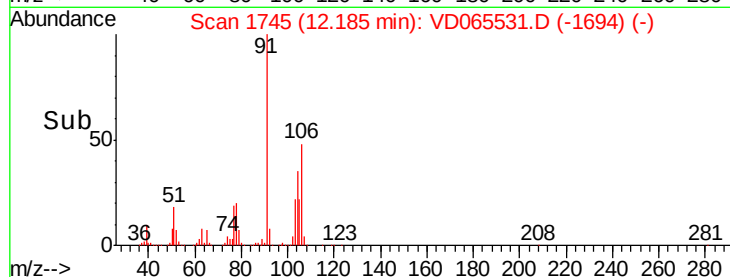
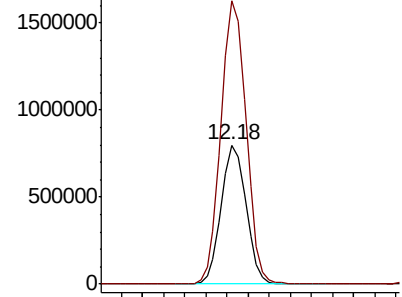
#69
o-Xylene
Concen: 158.150 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1299567
Ion Ratio Lower Upper
106 100
91 205.5 102.8 308.4

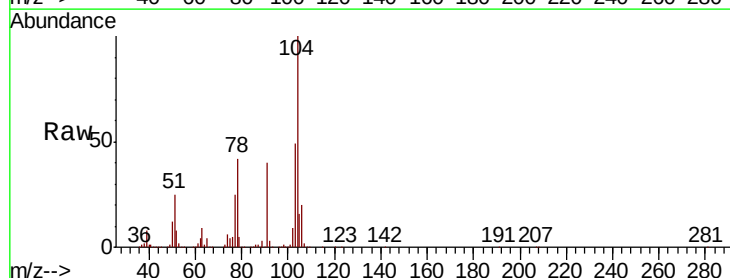


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

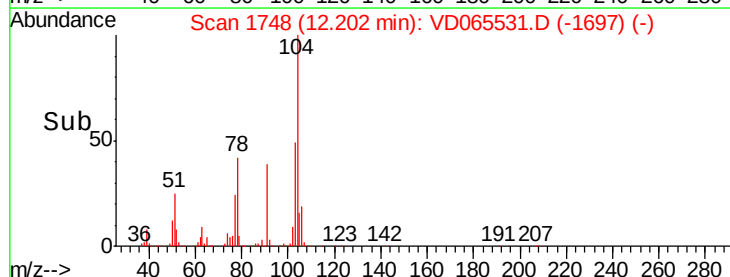
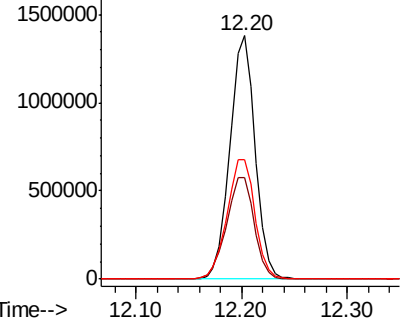


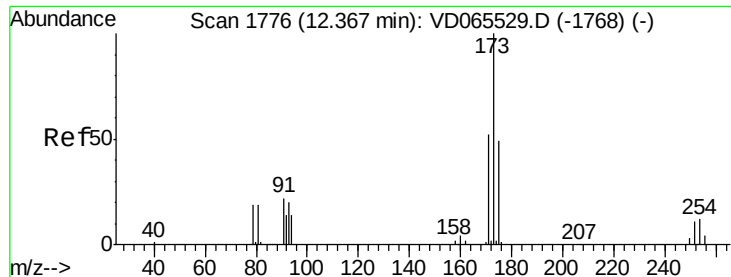
#70
Styrene
Concen: 157.420 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion:104 Resp: 2284421
Ion Ratio Lower Upper
104 100
78 46.2 36.6 55.0
103 54.2 43.8 65.6



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





#71

Bromoform

Concen: 149.400 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

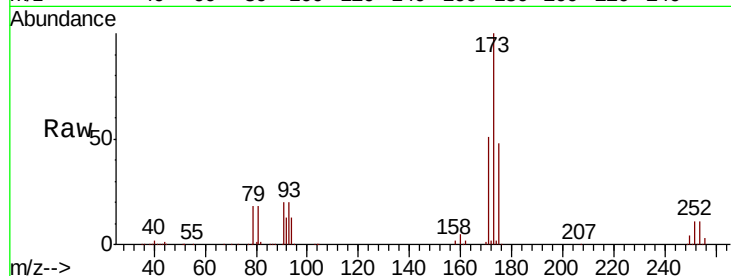
Tot Ion:173 Resp: 432896

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.8

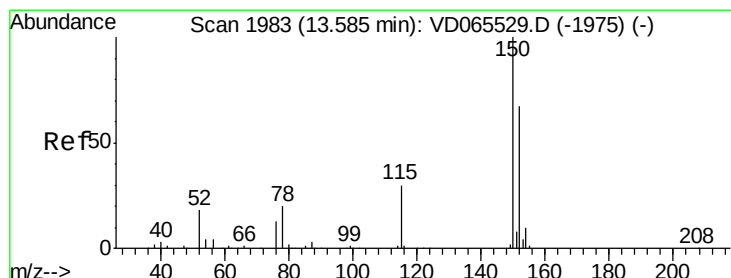
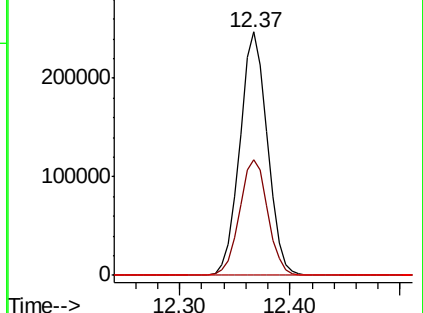
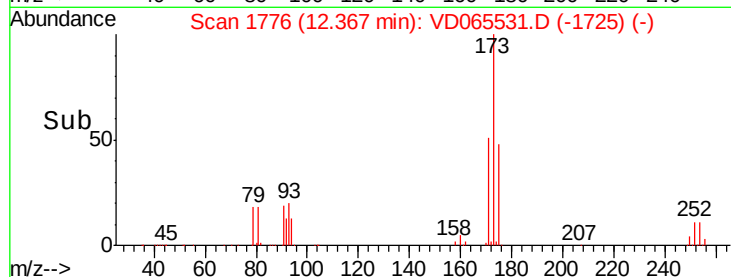
254 0.2 0.0 0.0#



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: VD065531.D

Acq: 26 Mar 2020 17:57

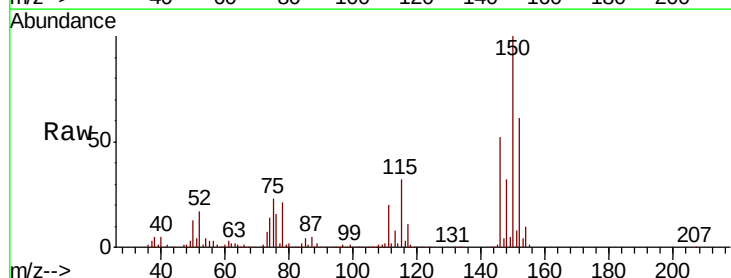
Tgt Ion:152 Resp: 353642

Ion Ratio Lower Upper

152 100

115 55.1 27.2 81.6

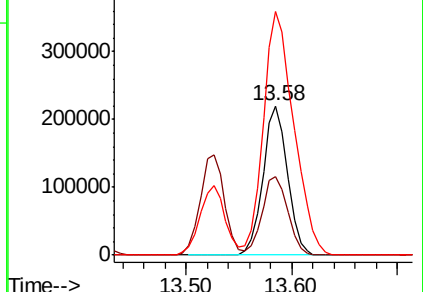
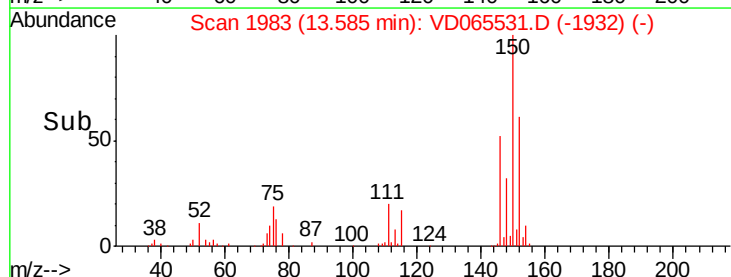
150 202.5 0.0 340.2

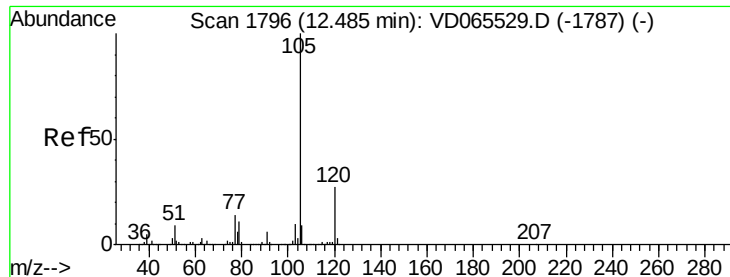


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 152.368 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

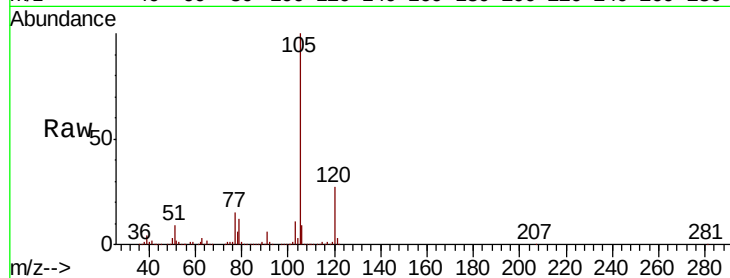
VSTDIC150

Tot Ion:105 Resp: 3472027

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

1000000

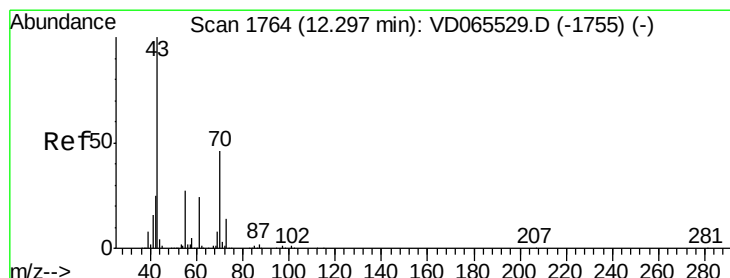
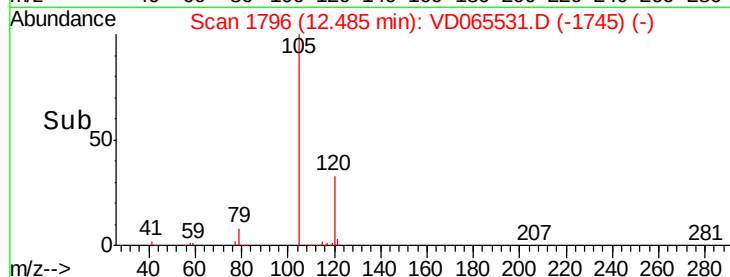
500000

0

12.48

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 156.805 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Tgt Ion: 43 Resp: 732365

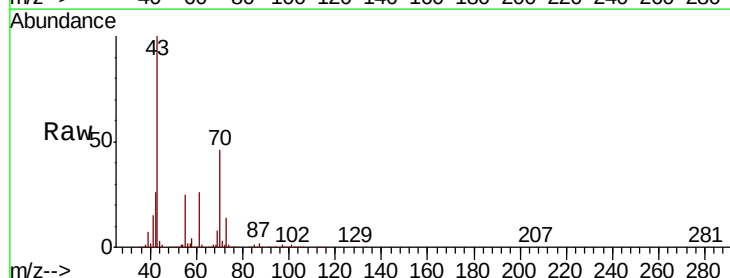
Ion Ratio Lower Upper

43 100

70 45.1 36.2 54.2

55 25.6 22.2 33.4

61 25.2 19.5 29.3



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

600000

400000

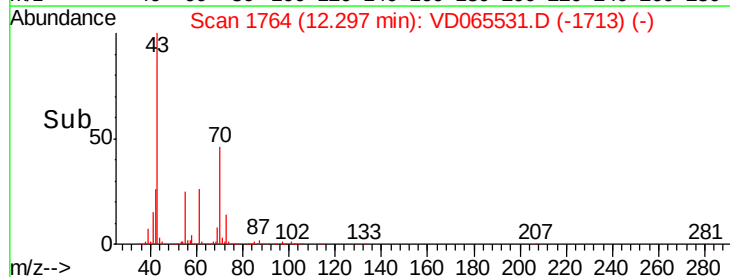
200000

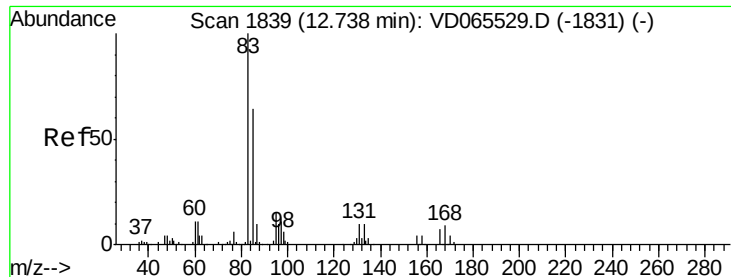
0

12.30

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 140.133 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

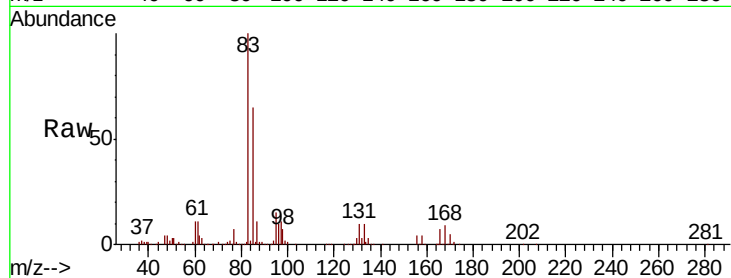
Tot Ion: 83 Resp: 564166

Ion Ratio Lower Upper

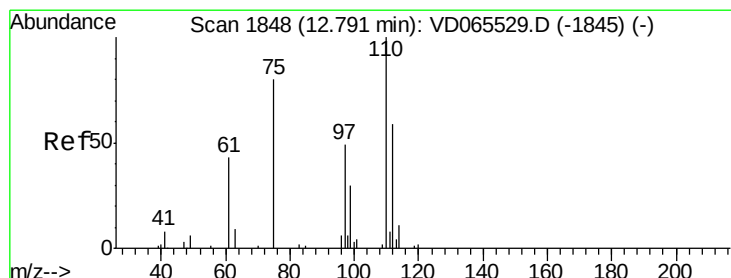
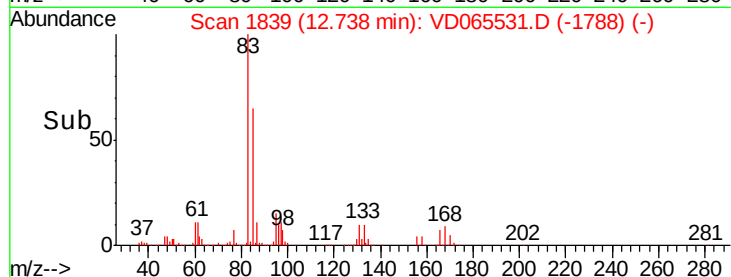
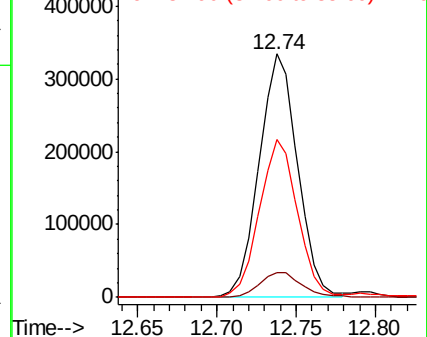
83 100

131 11.3 5.6 16.8

85 64.2 32.6 98.0



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: 265.400 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065531.D

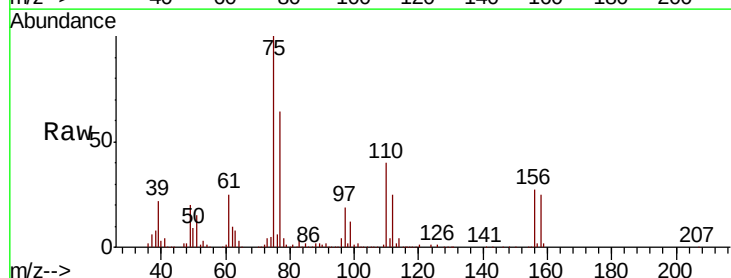
Acq: 26 Mar 2020 17:57

Tgt Ion: 75 Resp: 746251

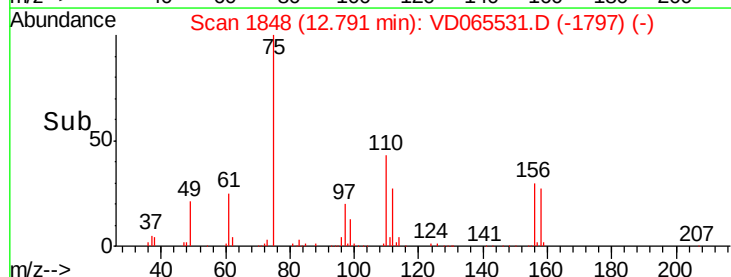
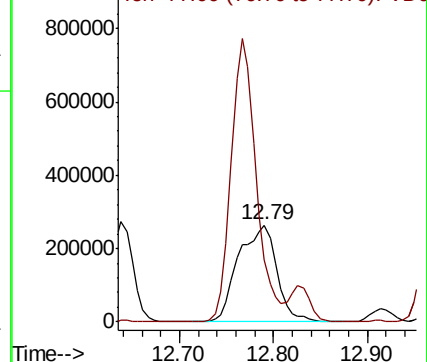
Ion Ratio Lower Upper

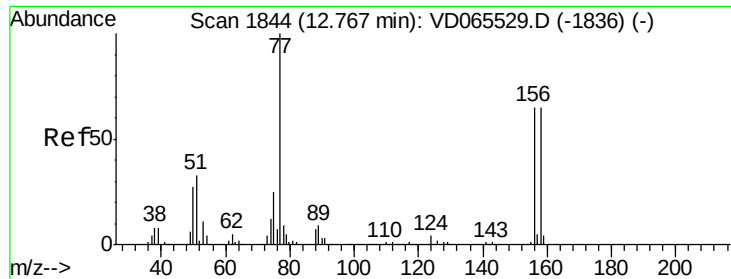
75 100

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: 151.689 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

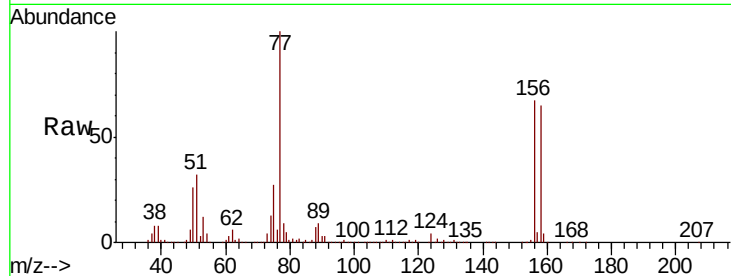
Tot Ion:156 Resp: 867565

Ion Ratio Lower Upper

156 100

77 164.9 81.8 245.3

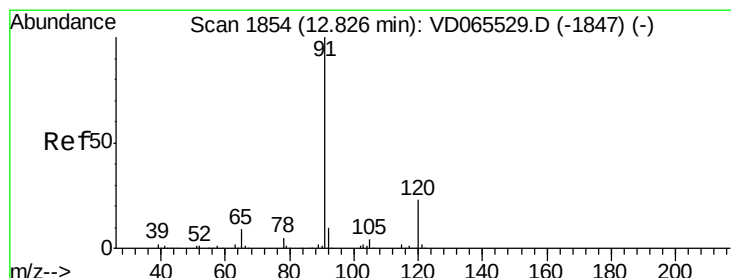
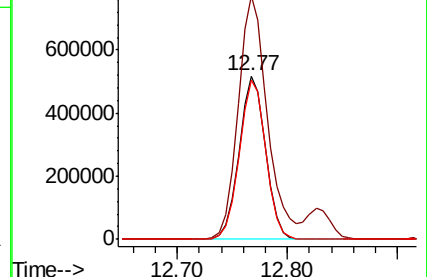
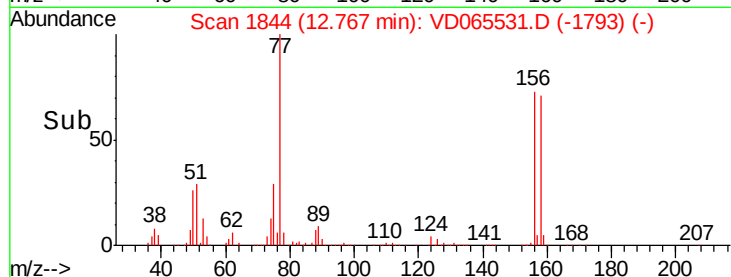
158 97.6 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 148.537 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065531.D

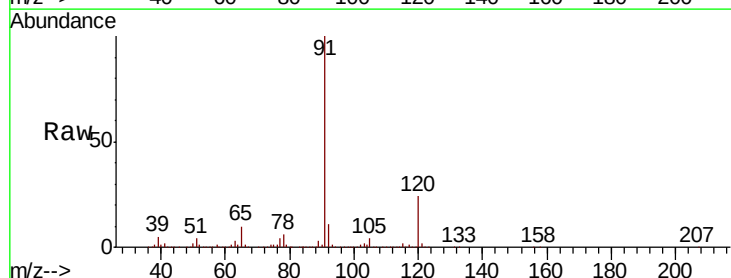
Acq: 26 Mar 2020 17:57

Tgt Ion: 91 Resp: 4030315

Ion Ratio Lower Upper

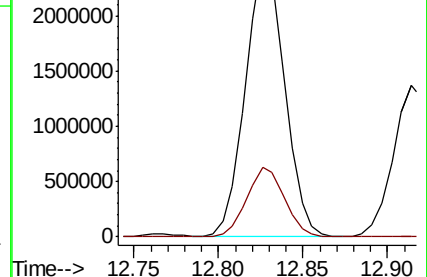
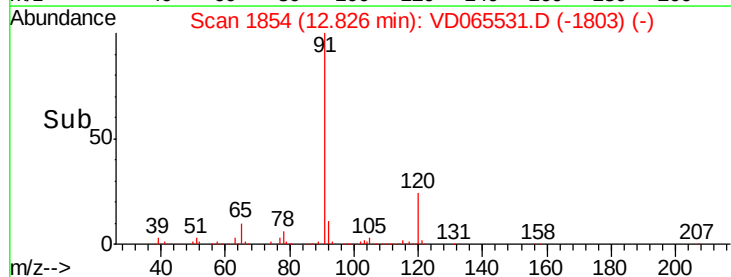
91 100

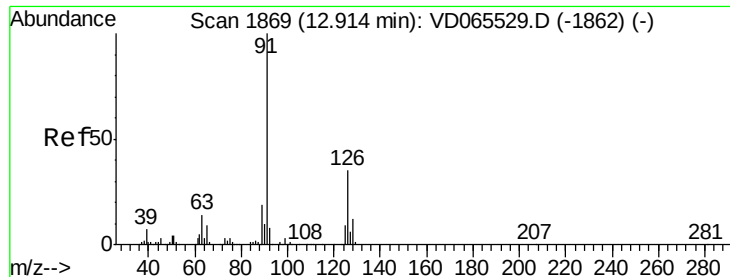
120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 148.369 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

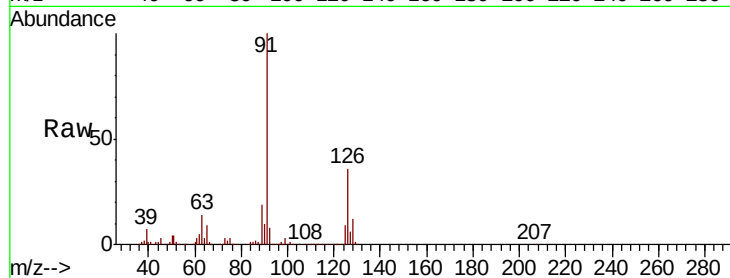
VSTDIC150

Tot Ion: 91 Resp: 2273634

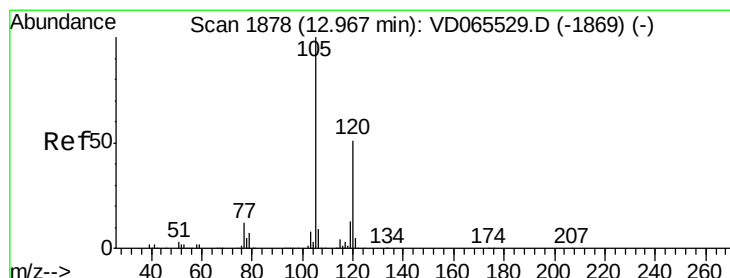
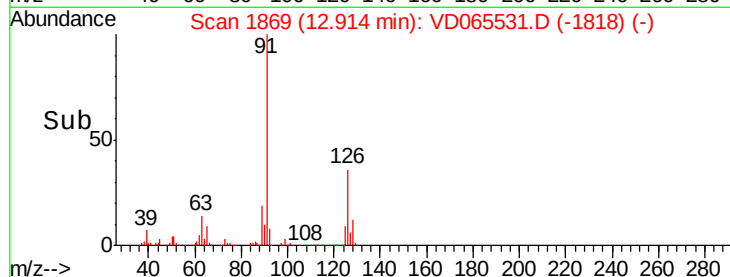
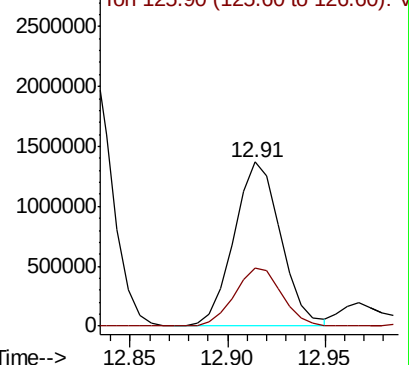
Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD065531.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 152.065 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065531.D

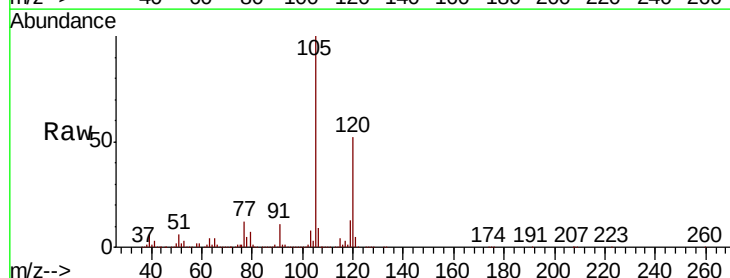
Acq: 26 Mar 2020 17:57

Tgt Ion:105 Resp: 2851109

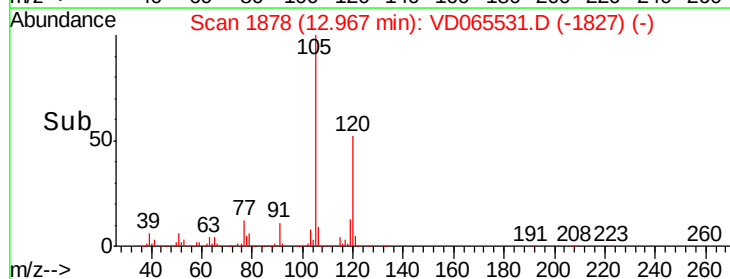
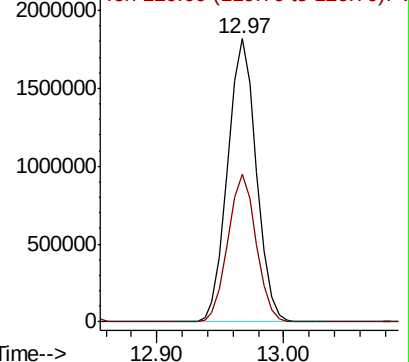
Ion Ratio Lower Upper

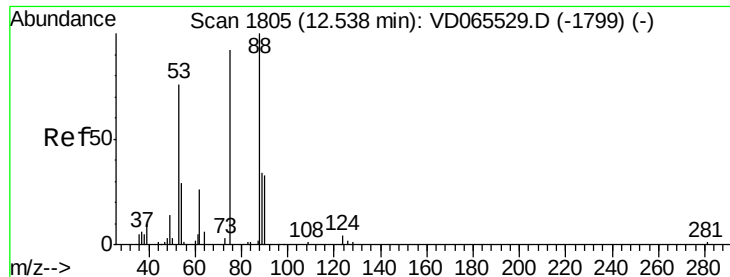
105 100

120 51.7 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065531.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 155.697 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

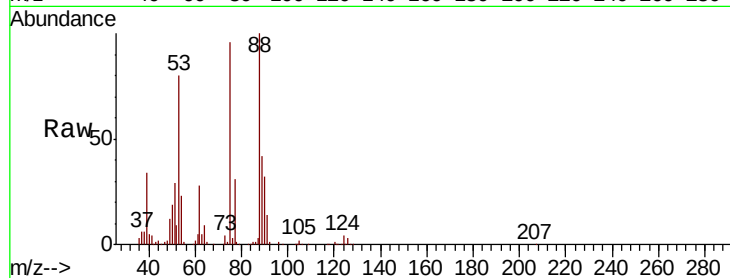
Tot Ion: 75 Resp: 203061

Ion Ratio Lower Upper

75 100

53 86.2 72.4 108.6

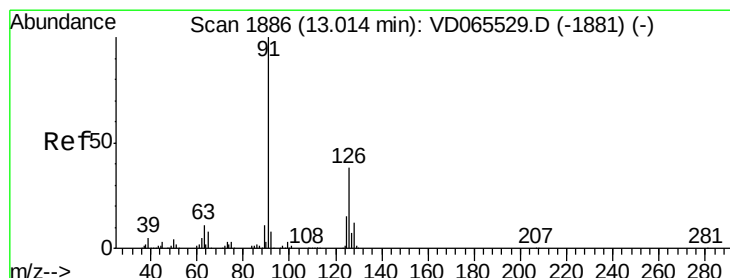
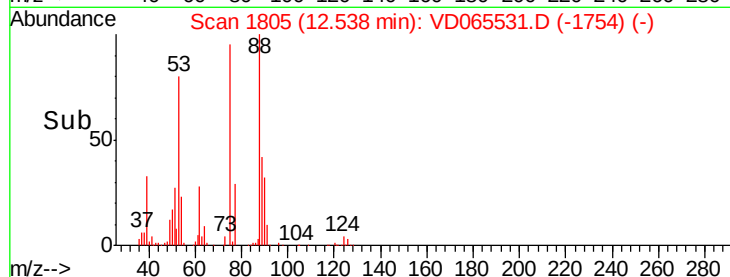
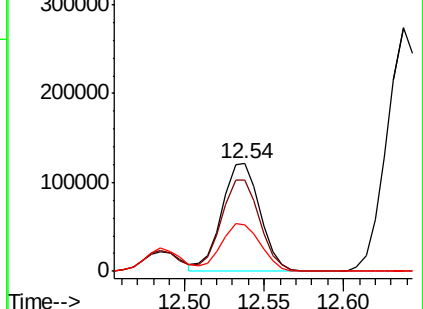
89 45.2 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 146.982 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065531.D

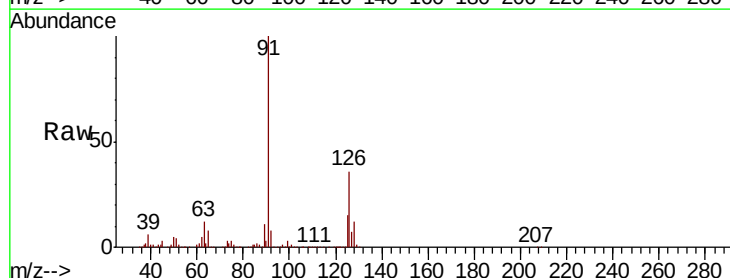
Acq: 26 Mar 2020 17:57

Tgt Ion: 91 Resp: 2364792

Ion Ratio Lower Upper

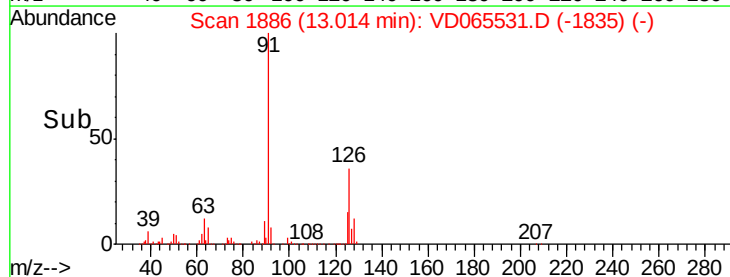
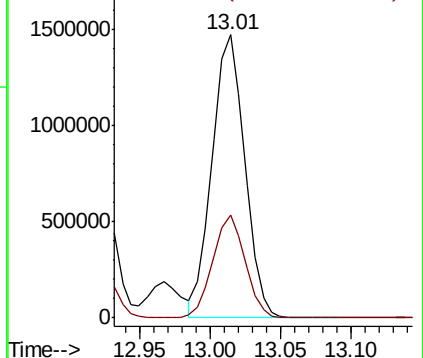
91 100

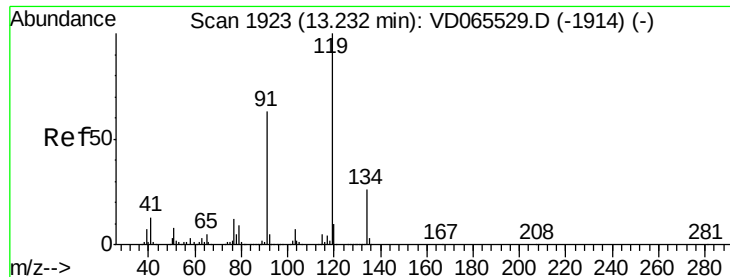
126 36.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

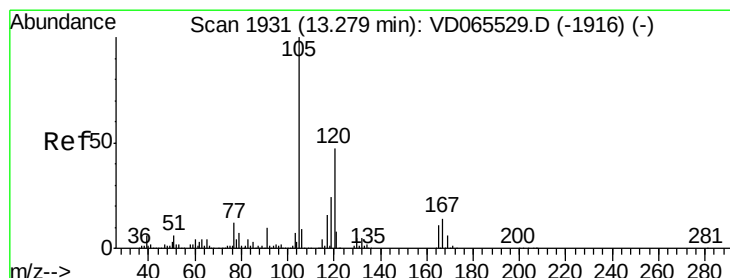
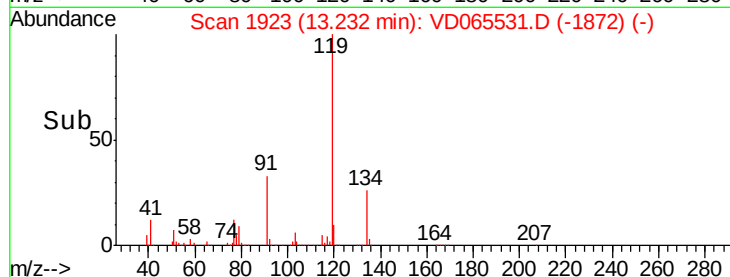
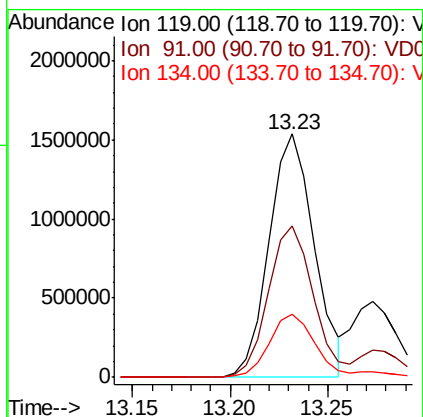
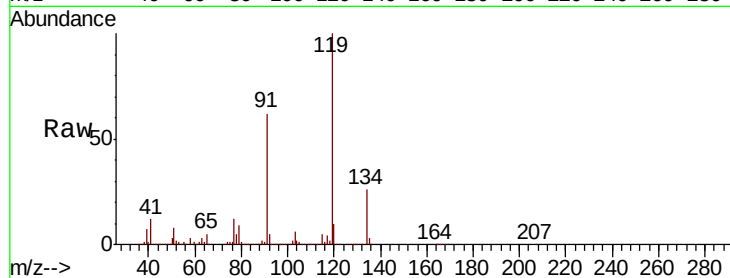




#83
 tert-Butylbenzene
 Concen: 155.155 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

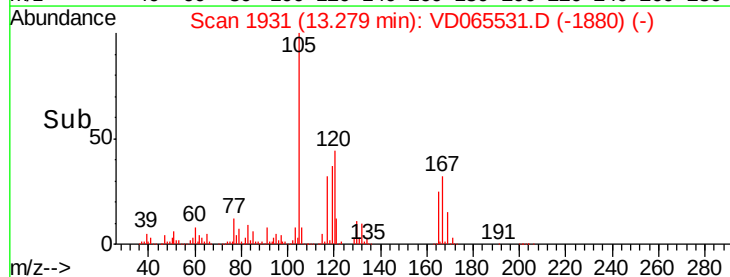
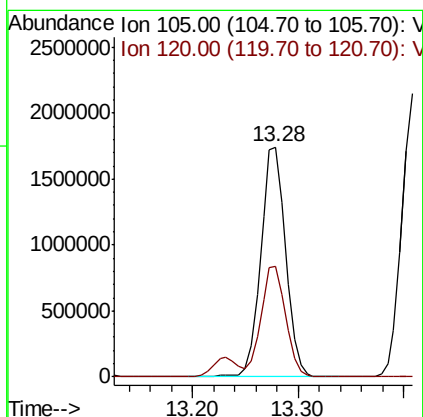
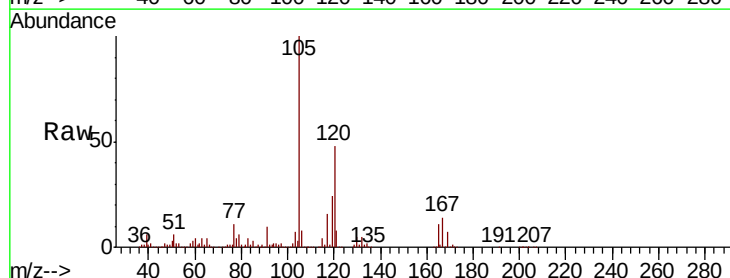
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

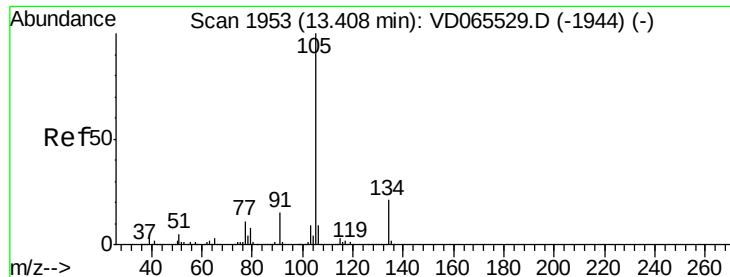
Tot Ion:119 Resp: 2466568
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.4 94.0
 134 27.8 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 154.538 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion:105 Resp: 2863390
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.5 70.5





#85

sec-Butylbenzene

Concen: 150.171 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

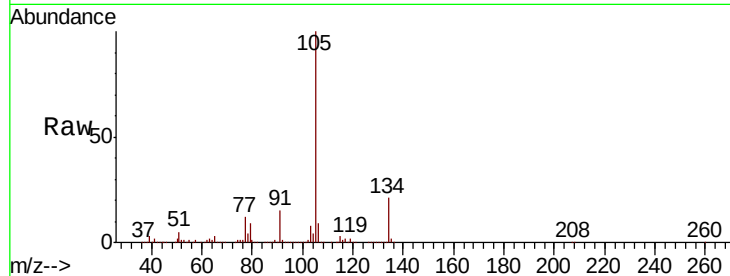
VSTDIC150

Tot Ion:105 Resp: 3393999

Ion Ratio Lower Upper

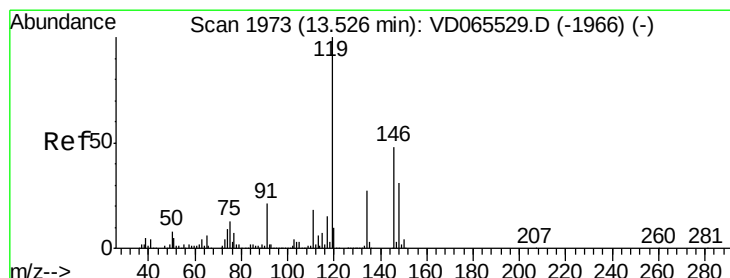
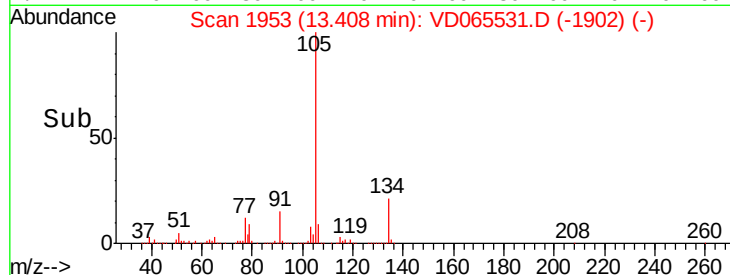
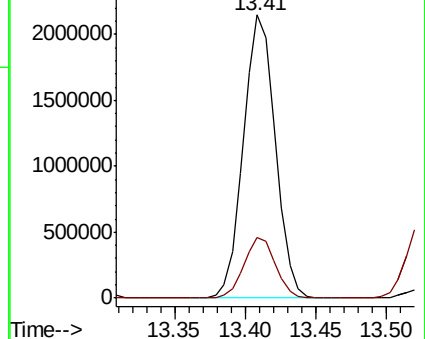
105 100

134 21.2 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 155.579 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065531.D

Acq: 26 Mar 2020 17:57

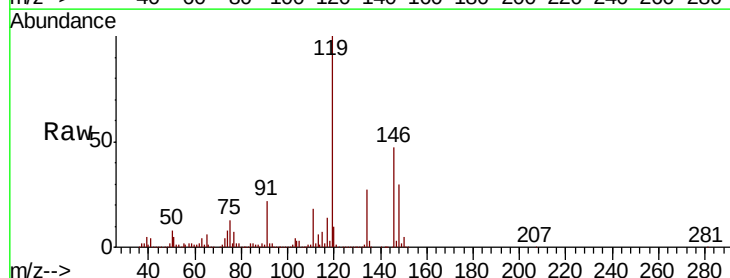
Tgt Ion:119 Resp: 3212391

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

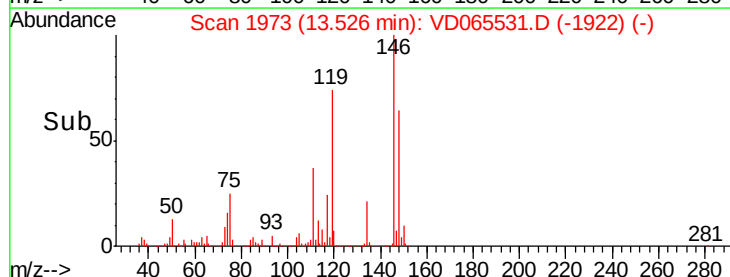
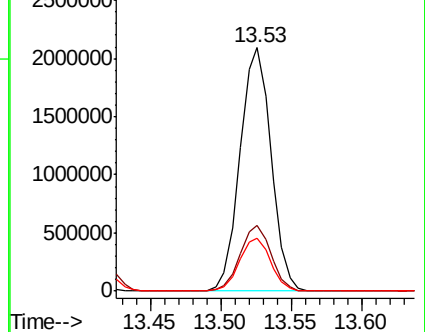
91 21.8 10.8 32.3

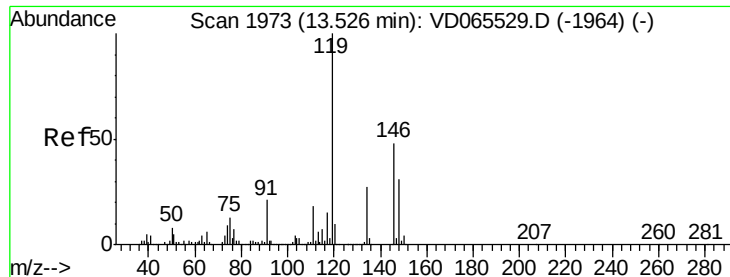


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

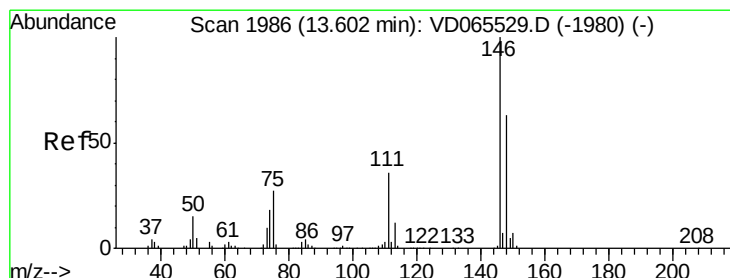
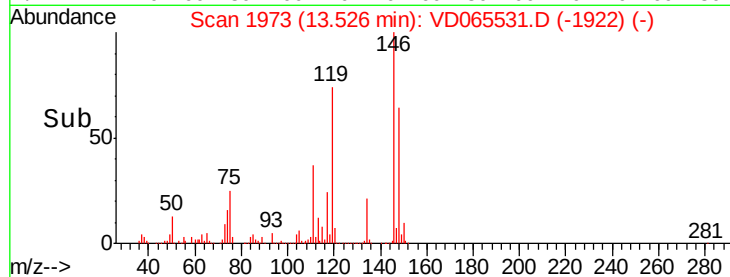
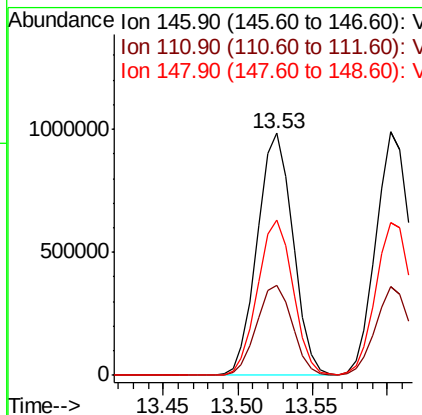
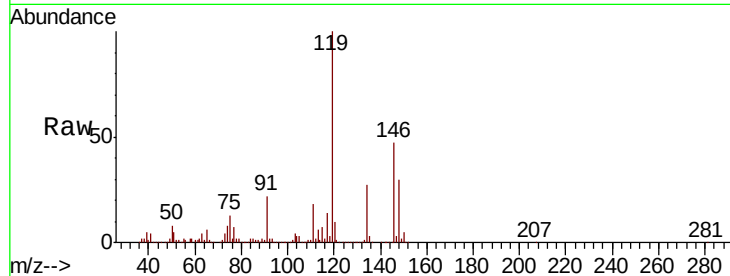




#87
 1,3-Dichlorobenzene
 Concen: 147.739 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

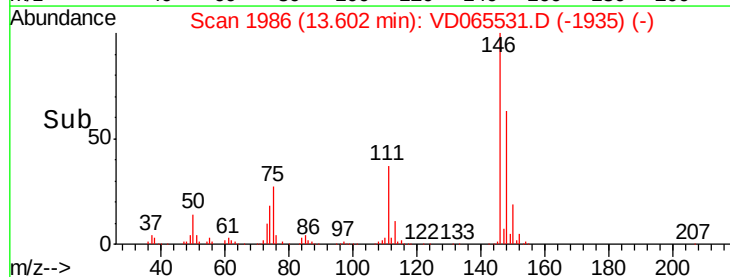
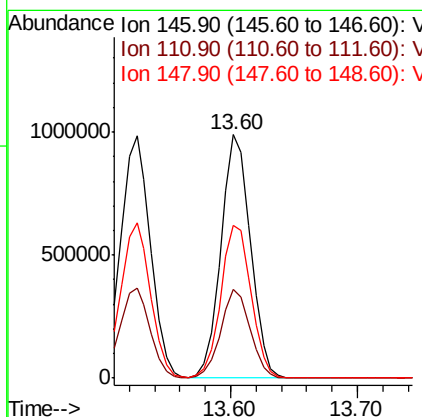
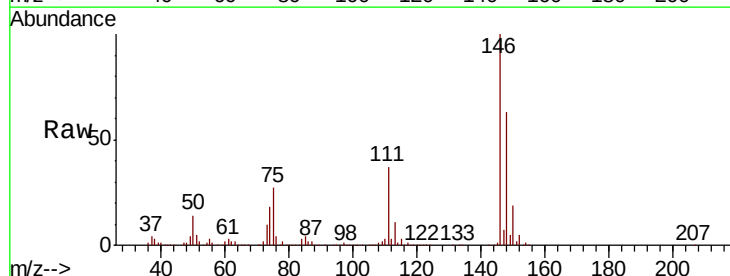
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

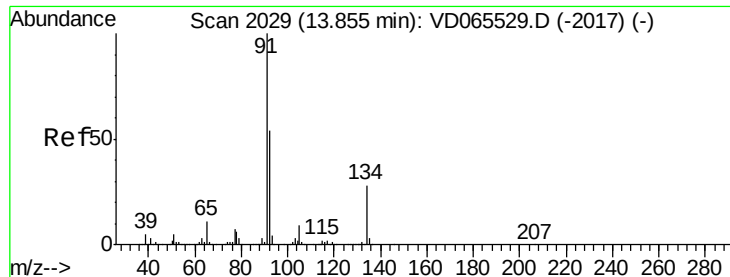
Tot Ion:146 Resp: 1625131
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.5 55.5
 148 63.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 145.617 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion:146 Resp: 1594578
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.0 54.0
 148 64.2 31.6 94.8

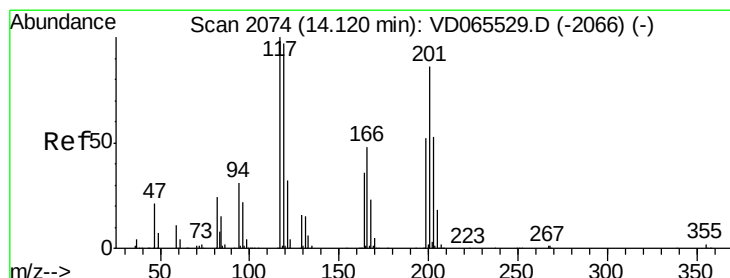
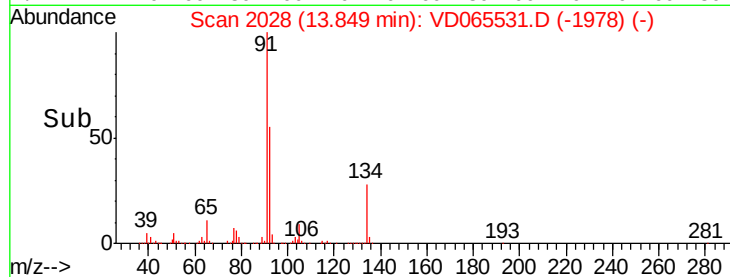
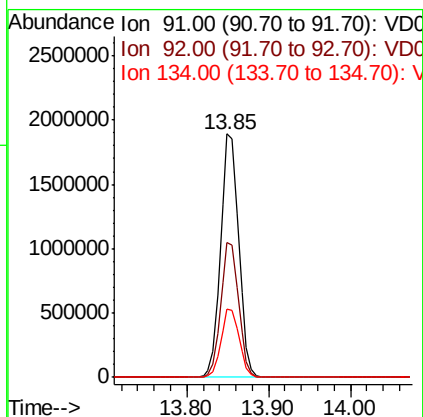
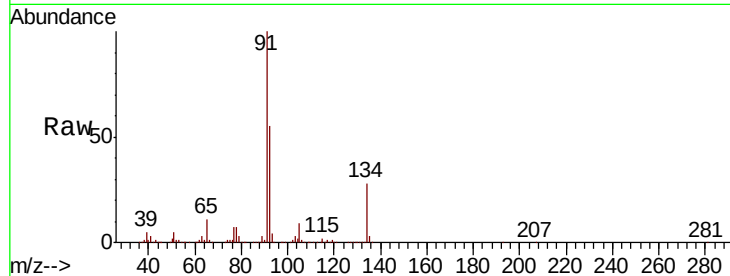




#89
n-Butylbenzene
Concen: 153.075 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

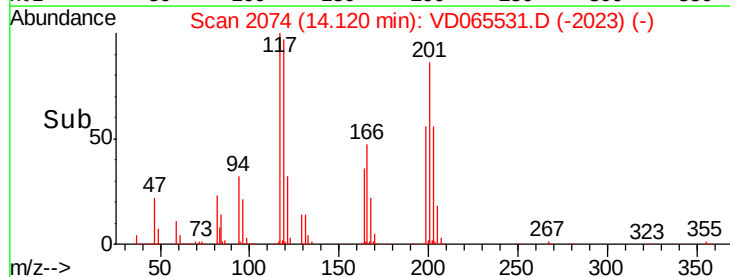
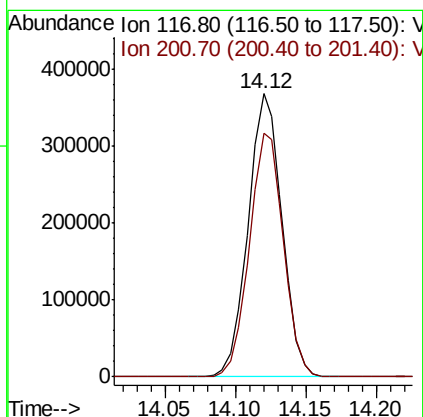
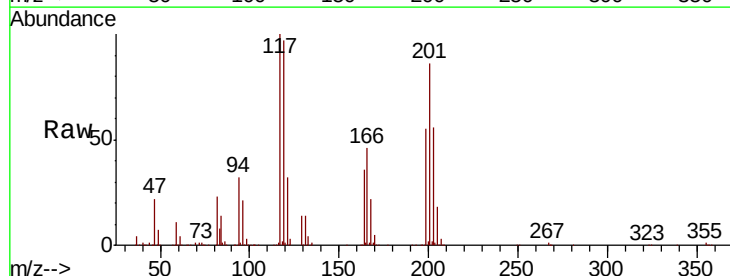
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

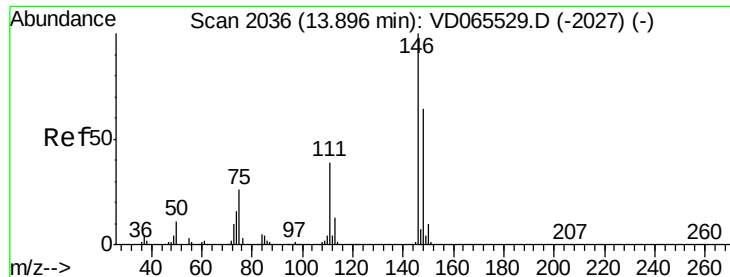
Tot Ion: 91 Resp: 2909633
Ion Ratio Lower Upper
91 100
92 54.9 26.8 80.4
134 28.0 13.7 41.0



#90
Hexachloroethane
Concen: 145.506 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion: 117 Resp: 619218
Ion Ratio Lower Upper
117 100
201 86.8 43.9 131.6

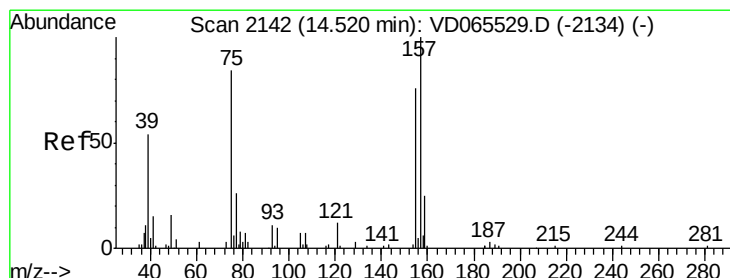
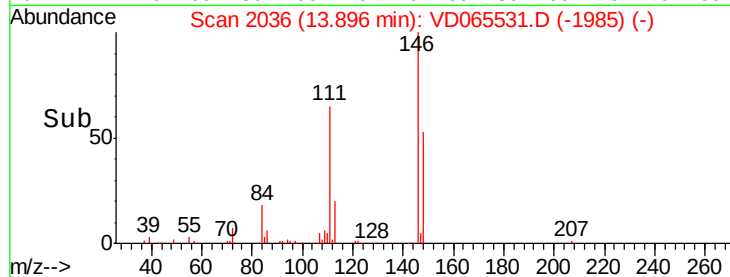
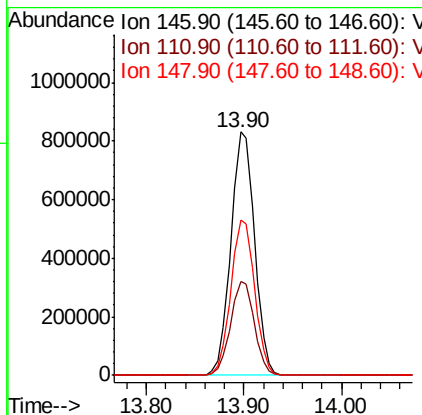
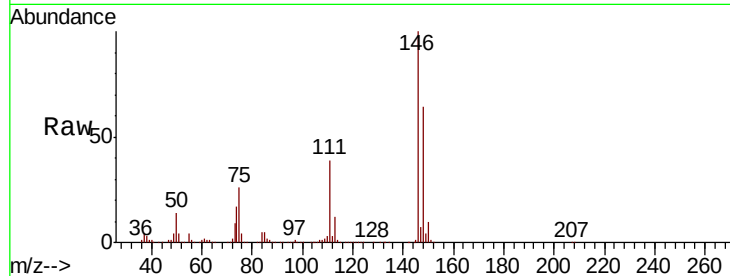




#91
 1,2-Dichlorobenzene
 Concen: 149.493 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

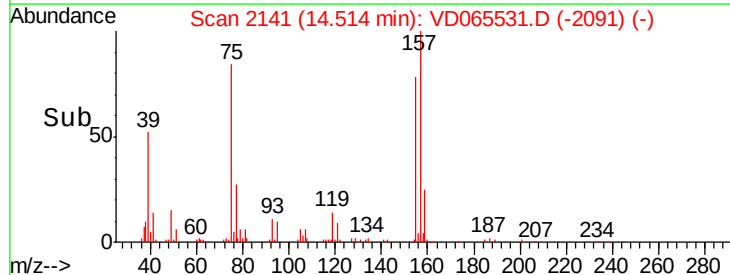
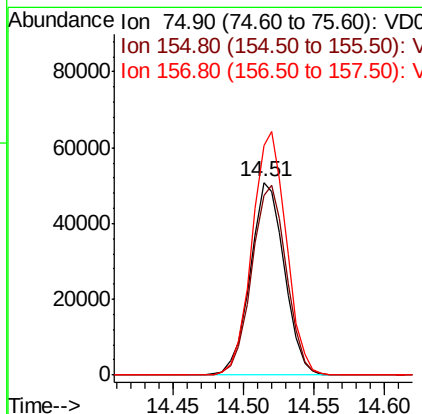
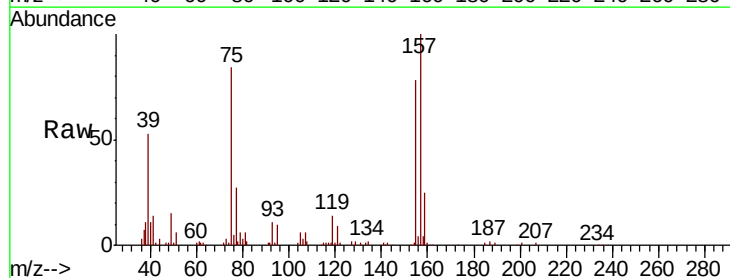
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

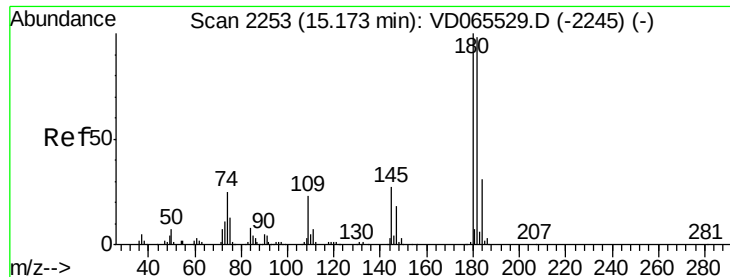
Tot Ion:146 Resp: 1399538
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.4
 148 64.0 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 140.055 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion: 75 Resp: 86172
 Ion Ratio Lower Upper
 75 100
 155 100.1 46.2 138.6
 157 126.4 57.9 173.7

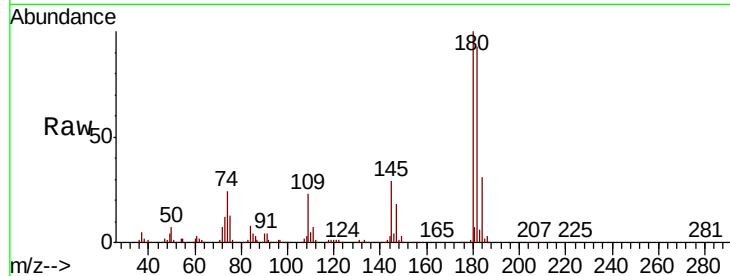




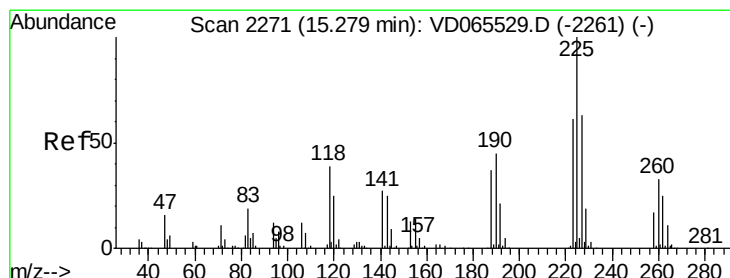
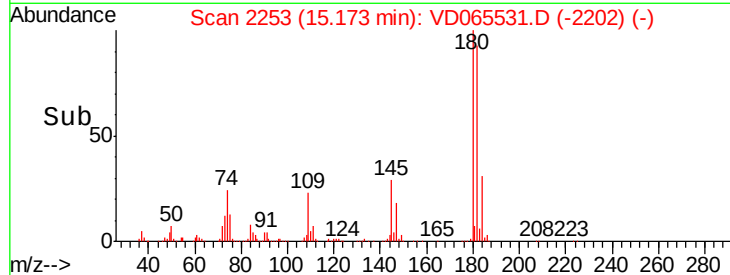
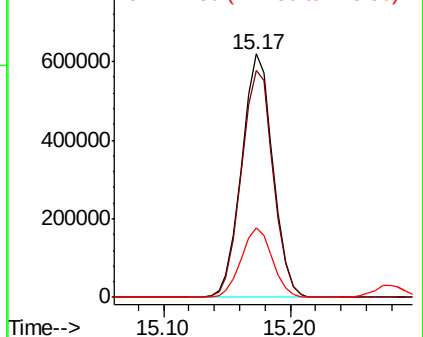
#93
 1,2,4-Trichlorobenzene
 Concen: 166.281 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1056892
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.1 144.3
 145 28.6 13.9 41.6

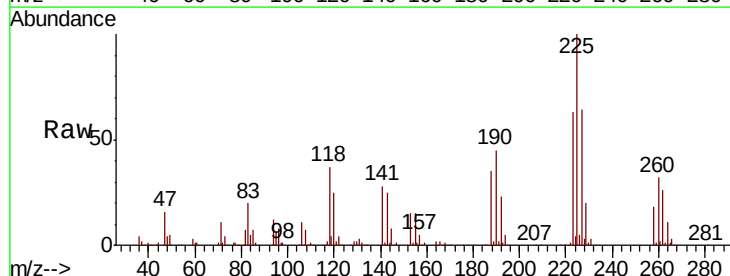


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

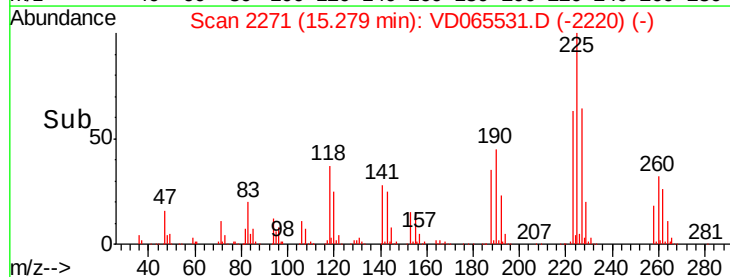
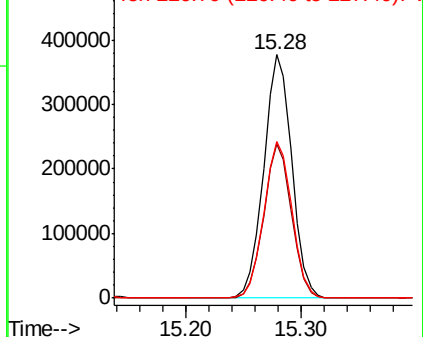


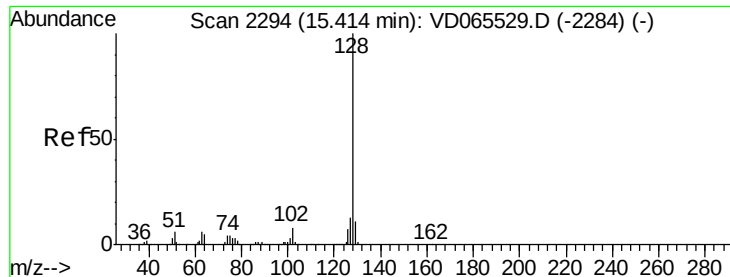
#94
 Hexachlorobutadiene
 Concen: 153.962 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065531.D
 Acq: 26 Mar 2020 17:57

Tgt Ion:225 Resp: 638952
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.2 93.6
 227 64.4 32.3 96.9



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

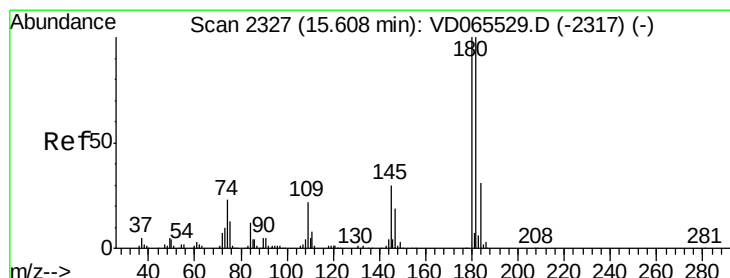
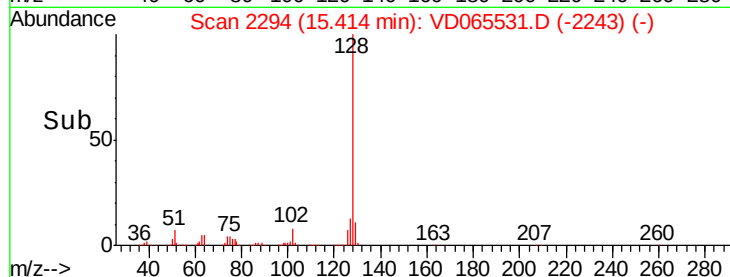
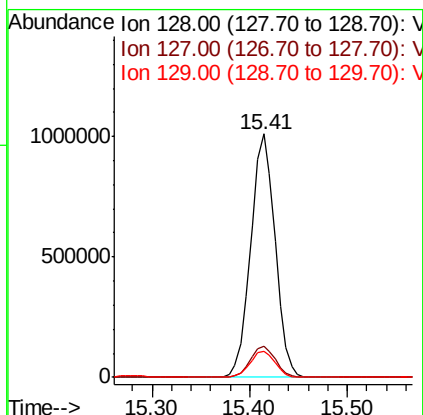
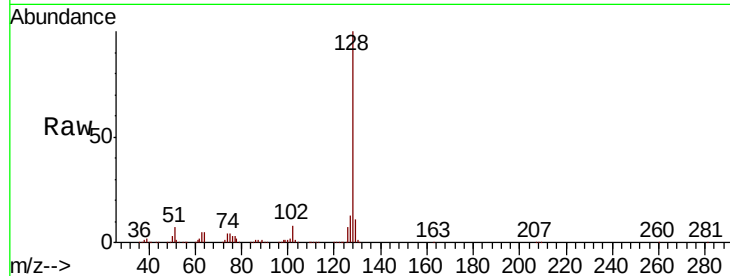




#95
Naphthalene
Concen: 173.501 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 1757629
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 166.105 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065531.D
Acq: 26 Mar 2020 17:57

Tgt Ion:180 Resp: 912077
Ion Ratio Lower Upper
180 100
182 95.7 48.1 144.3
145 30.2 15.0 45.0

