

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062620\
 Data File : VD065874.D
 Acq On : 26 Jun 2020 11:11
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 26 18:43:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 18:33:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	144140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	238750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	212746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	100839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	15176	10.17	ug/l	0.00
Spiked Amount			Recovery	=	20.34%	
35) Dibromofluoromethane	7.91	113	14413	10.06	ug/l	0.00
Spiked Amount			Recovery	=	20.12%	
50) Toluene-d8	10.34	98	54580	9.81	ug/l	0.00
Spiked Amount			Recovery	=	19.62%	
62) 4-Bromofluorobenzene	12.64	95	16552	9.05	ug/l	0.00
Spiked Amount			Recovery	=	18.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	16051	11.788	ug/l	96
3) Chloromethane	2.21	50	20551	10.652	ug/l	89
4) Vinyl Chloride	2.35	62	22736	10.861	ug/l	93
5) Bromomethane	2.77	94	15375	11.246	ug/l	93
6) Chloroethane	2.92	64	14066	10.480	ug/l #	85
7) Trichlorofluoromethane	3.27	101	27122	10.054	ug/l	100
8) Diethyl Ether	3.70	74	7656	11.143	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	16086	10.656	ug/l	97
10) Methyl Iodide	4.30	142	11840	8.443	ug/l #	92
11) Tert butyl alcohol	5.21	59	5448	65.811	ug/l #	69
12) 1,1-Dichloroethene	4.07	96	14307	9.981	ug/l	98
13) Acrolein	3.93	56	5880	55.717	ug/l	99
14) Allyl chloride	4.71	41	22393	10.051	ug/l	97
15) Acrylonitrile	5.43	53	15473	51.732	ug/l	98
16) Acetone	4.16	43	14132	47.915	ug/l	91
17) Carbon Disulfide	4.41	76	48496	10.257	ug/l	97
18) Methyl Acetate	4.72	43	6293	10.007	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	29830	9.710	ug/l	100
20) Methylene Chloride	4.97	84	21462	12.010	ug/l #	89
21) trans-1,2-Dichloroethene	5.48	96	16497	10.222	ug/l	91
22) Diisopropyl ether	6.36	45	43500	9.477	ug/l	97
23) Vinyl Acetate	6.31	43	126416	47.413	ug/l	99
24) 1,1-Dichloroethane	6.27	63	27418	9.852	ug/l	95
25) 2-Butanone	7.21	43	19196	48.998	ug/l	100
26) 2,2-Dichloropropane	7.21	77	25128	9.947	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	18111	10.438	ug/l	96
28) Bromochloromethane	7.54	49	10629	10.391	ug/l #	99
29) Tetrahydrofuran	7.56	42	10813	44.553	ug/l #	84
30) Chloroform	7.71	83	29798	10.143	ug/l #	83
31) Cyclohexane	7.98	56	26810	10.117	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	27246	9.986	ug/l	99
36) 1,1-Dichloropropene	8.11	75	23031	9.773	ug/l	96
37) Ethyl Acetate	7.29	43	8942	9.957	ug/l #	96
38) Carbon Tetrachloride	8.10	117	24238	9.661	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	27114	9.859	ug/l	88
40) Benzene	8.36	78	64969	10.006	ug/l	99
41) Methacrylonitrile	7.52	41	3633	6.513	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	19255	10.144	ug/l	100
43) Isopropyl Acetate	8.45	43	16116	9.266	ug/l #	58
44) Trichloroethene	9.11	130	17247	9.979	ug/l	96
45) 1,2-Dichloropropane	9.39	63	15999	10.212	ug/l	95
46) Dibromomethane	9.48	93	8676	10.279	ug/l	97
47) Bromodichloromethane	9.67	83	22273	9.691	ug/l #	94
48) Methyl methacrylate	9.46	41	8825	10.383	ug/l #	86
49) 1,4-Dioxane	9.47	88	1729	184.111	ug/l #	73
51) 4-Methyl-2-Pentanone	10.23	43	39608	45.115	ug/l	97
52) Toluene	10.40	92	40049	9.610	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	19599	9.239	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	24613	9.697	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	10643	9.398	ug/l	88
56) Ethyl methacrylate	10.67	69	13064	9.310	ug/l	97
57) 1,3-Dichloropropane	10.94	76	19734	9.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	29940	48.746	ug/l	98
59) 2-Hexanone	10.99	43	29597	47.687	ug/l	95
60) Dibromochloromethane	11.14	129	14720	9.638	ug/l	96
61) 1,2-Dibromoethane	11.25	107	10482	9.522	ug/l	96
64) Tetrachloroethene	10.87	164	14119	10.208	ug/l	93
65) Chlorobenzene	11.67	112	41373	9.861	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	14938	9.611	ug/l	97
67) Ethyl Benzene	11.75	91	76186	9.793	ug/l	95
68) m/p-Xylenes	11.86	106	57424	19.349	ug/l	95
69) o-Xylene	12.18	106	25325	9.522	ug/l	95
70) Styrene	12.20	104	43782	9.406	ug/l	99
71) Bromoform	12.37	173	8376	10.116	ug/l #	95
73) Isopropylbenzene	12.48	105	70083	9.718	ug/l	99
74) N-amyl acetate	12.29	43	15410	9.786	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	12011	10.102	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	10707m	12.807	ug/l	
77) Bromobenzene	12.77	156	15926	9.811	ug/l	97
78) n-propylbenzene	12.83	91	83010	9.532	ug/l	99
79) 2-Chlorotoluene	12.91	91	47348	9.894	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	57215	9.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4324	10.649	ug/l	94
82) 4-Chlorotoluene	13.01	91	49256	9.572	ug/l	96
83) tert-Butylbenzene	13.23	119	48889	9.572	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	56344	9.423	ug/l	96
85) sec-Butylbenzene	13.41	105	70388	9.755	ug/l	98
86) p-Isopropyltoluene	13.52	119	62734	9.469	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	30538	9.659	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	32730	10.355	ug/l	96
89) n-Butylbenzene	13.85	91	61192	9.526	ug/l	97
90) Hexachloroethane	14.12	117	13311	9.964	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	27925	10.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1947	10.223	ug/l	84

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Quant Title : SW846 8260
QLast Update : Fri Jun 26 18:33:50 2020
Response via : Initial Calibration

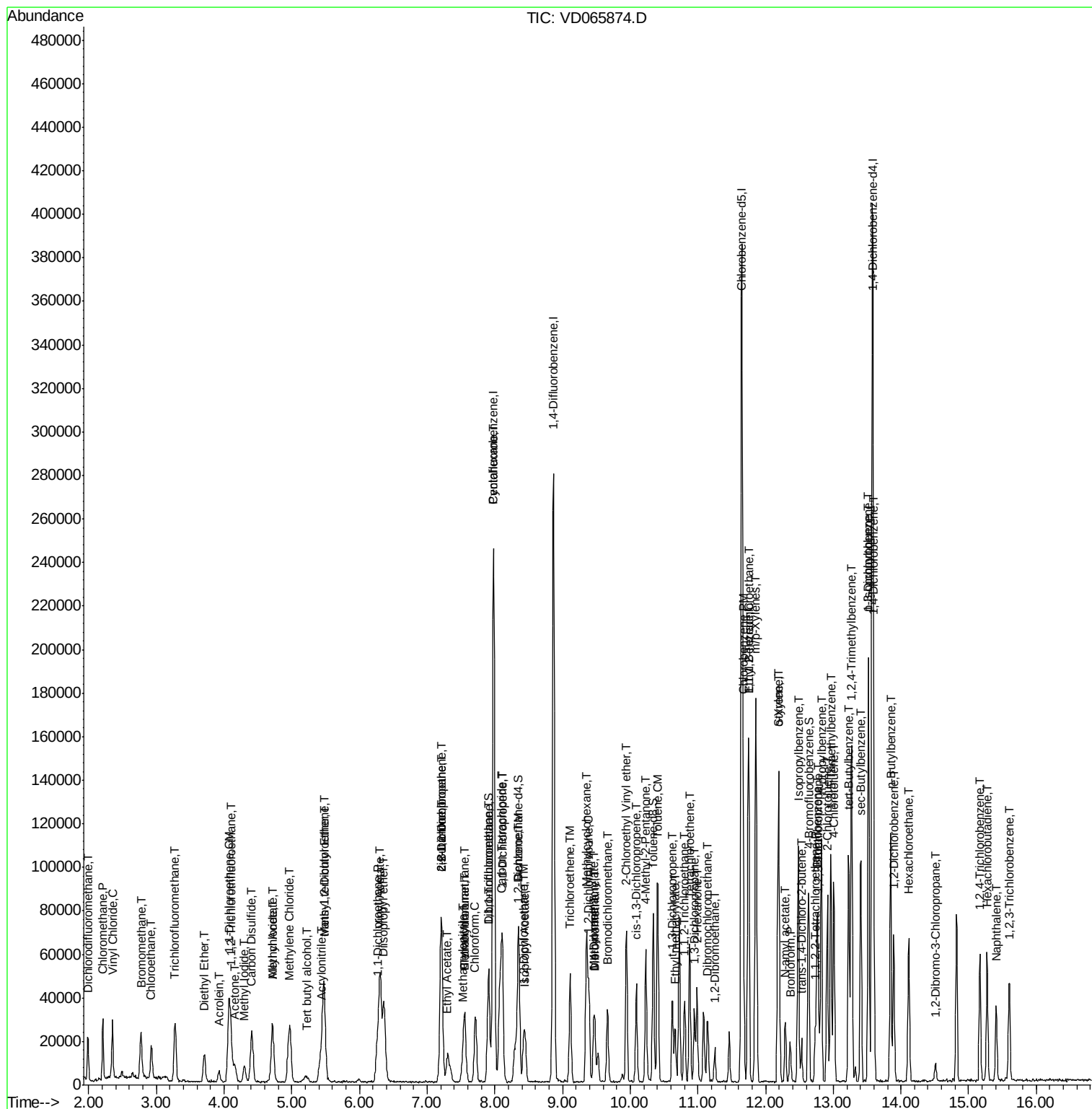
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	18172	10.181	ug/l	99
94) Hexachlorobutadiene	15.27	225	9672	9.849	ug/l	92
95) Naphthalene	15.41	128	29310	9.432	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	14991	10.166	ug/l	98

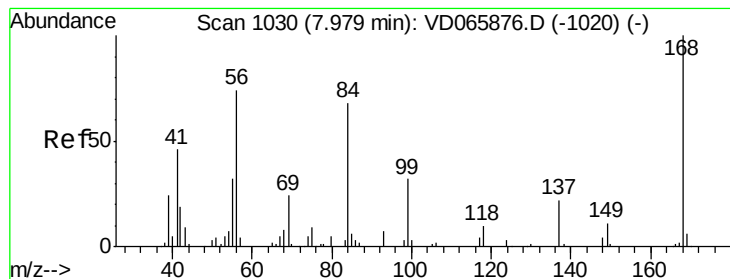
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

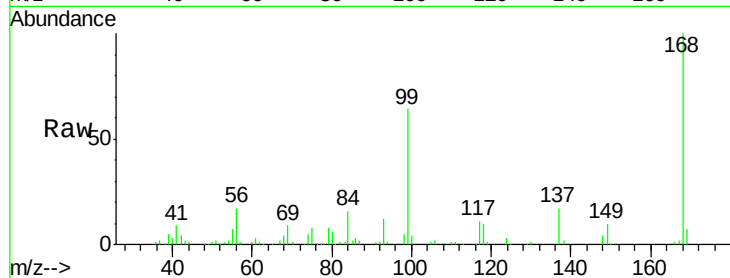
VSTDIC010

Tot Ion:168 Resp: 144140

Ion Ratio Lower Upper

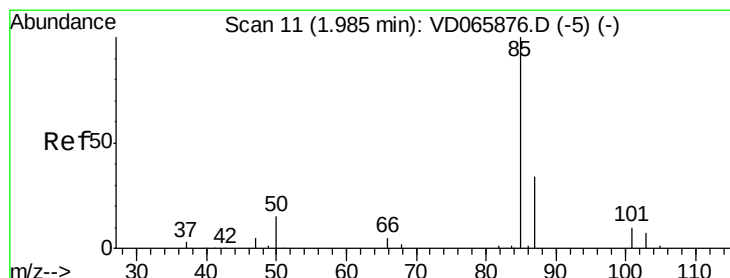
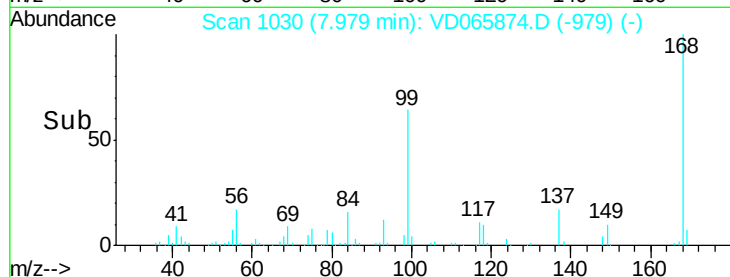
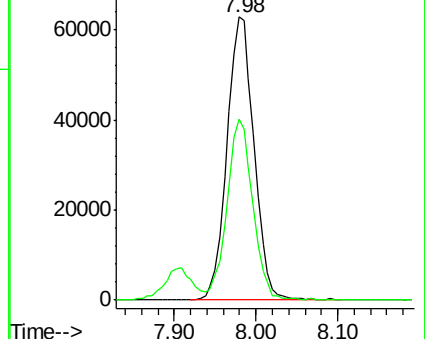
168 100

99 63.8 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 11.788 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065874.D

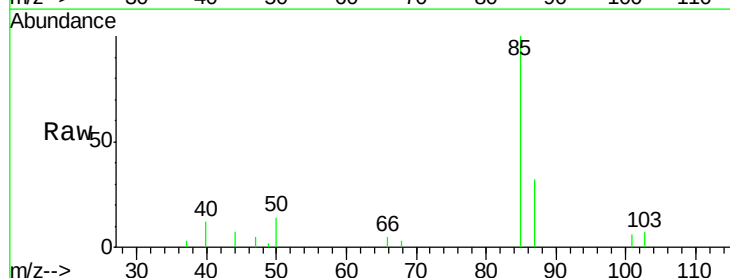
Acq: 26 Jun 2020 11:11

Tgt Ion: 85 Resp: 16051

Ion Ratio Lower Upper

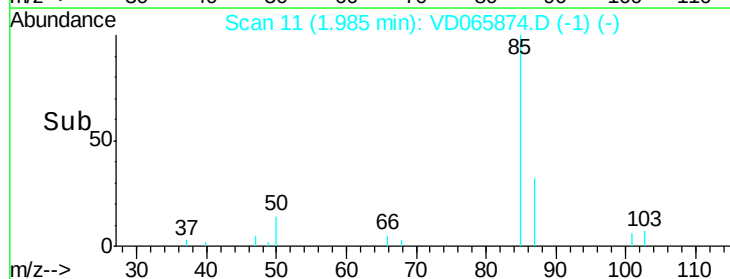
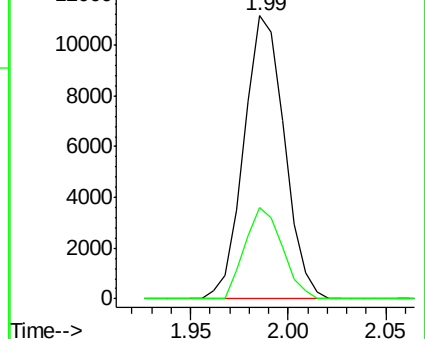
85 100

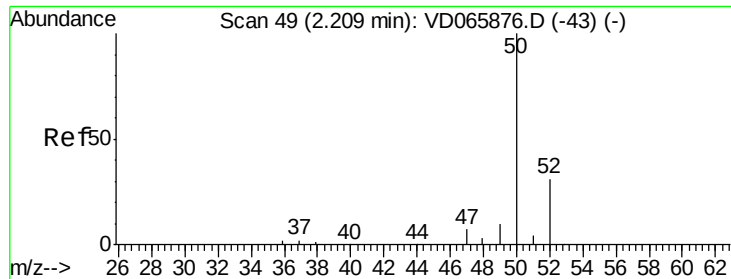
87 32.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.652 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

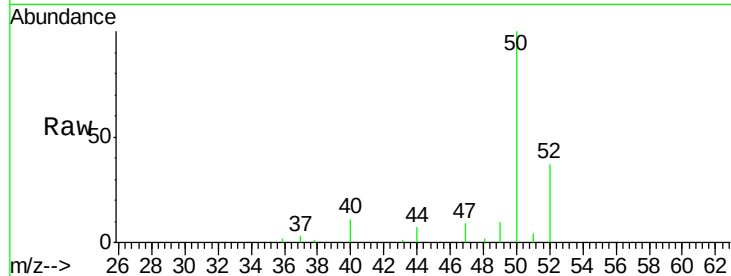
VSTDIC010

Tot Ion: 50 Resp: 20551

Ion Ratio Lower Upper

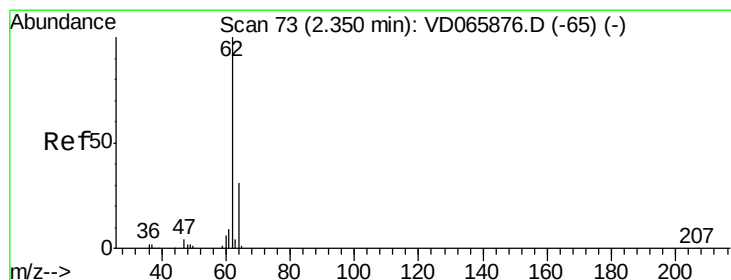
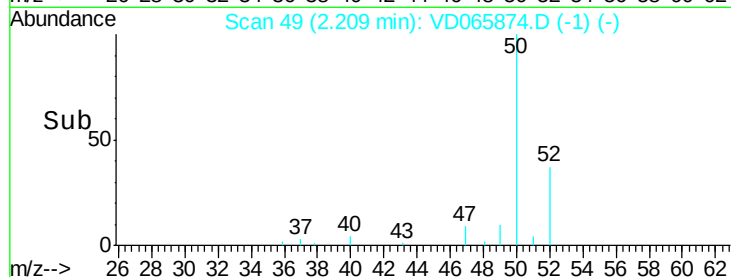
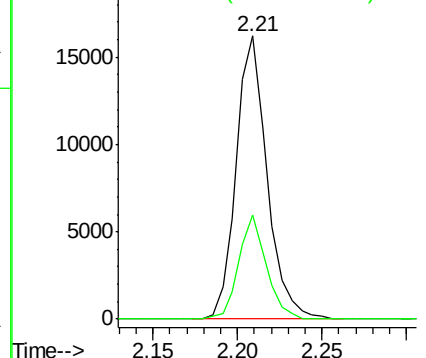
50 100

52 36.7 24.7 37.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 10.861 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065874.D

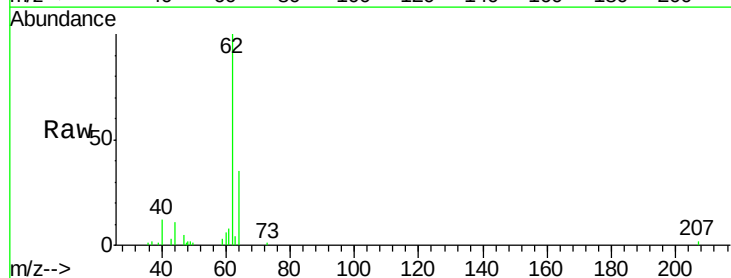
Acq: 26 Jun 2020 11:11

Tgt Ion: 62 Resp: 22736

Ion Ratio Lower Upper

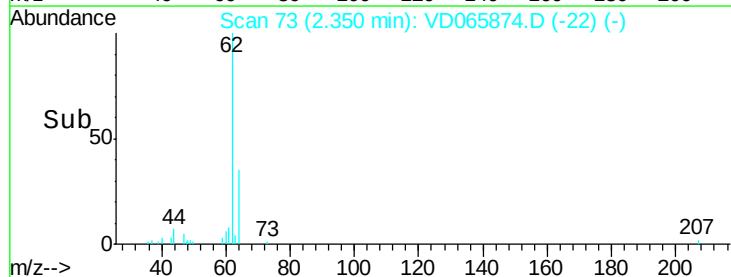
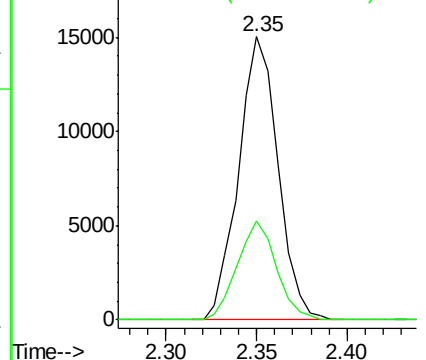
62 100

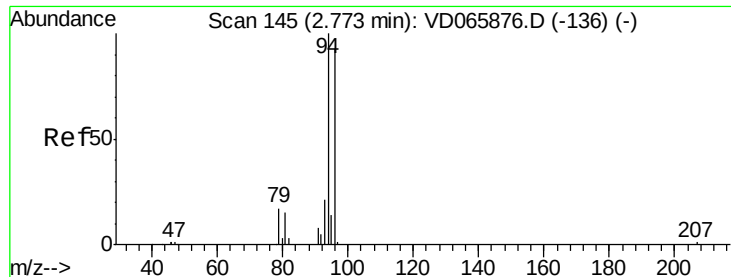
64 34.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 11.246 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

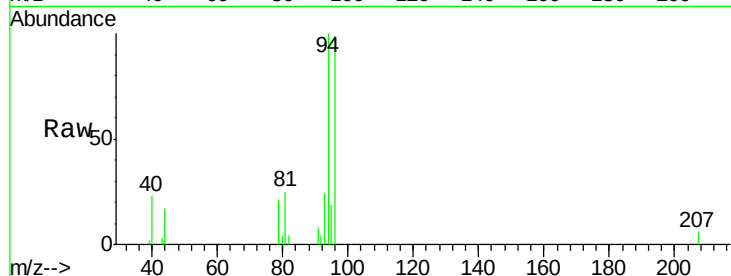
VSTDIC010

Tot Ion: 94 Resp: 15375

Ion Ratio Lower Upper

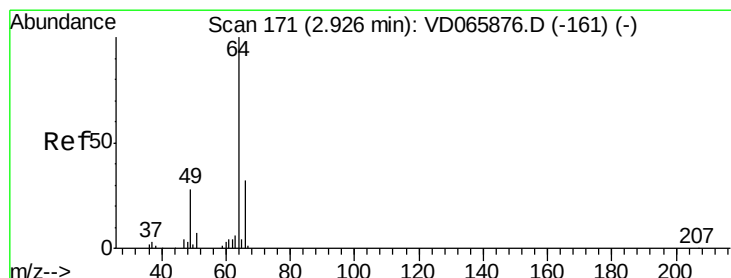
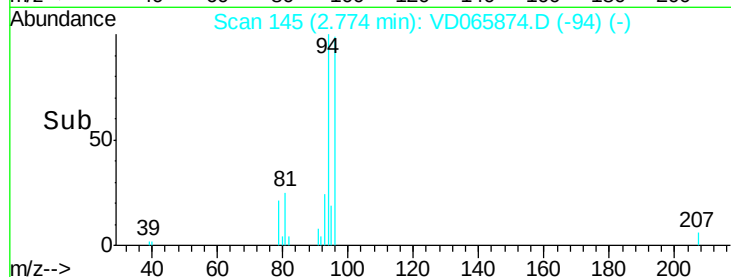
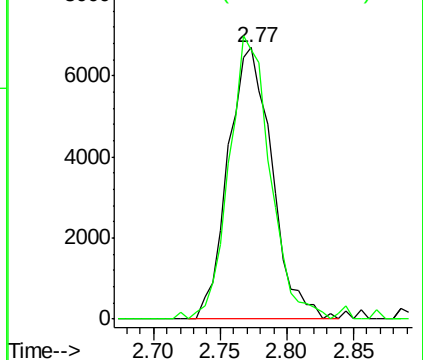
94 100

96 99.4 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.480 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065874.D

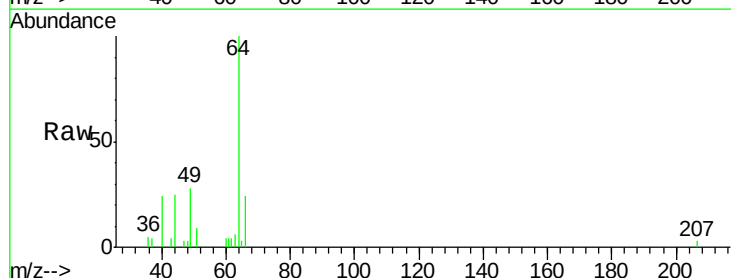
Acq: 26 Jun 2020 11:11

Tgt Ion: 64 Resp: 14066

Ion Ratio Lower Upper

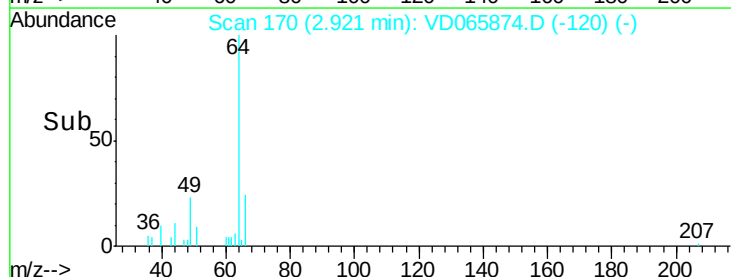
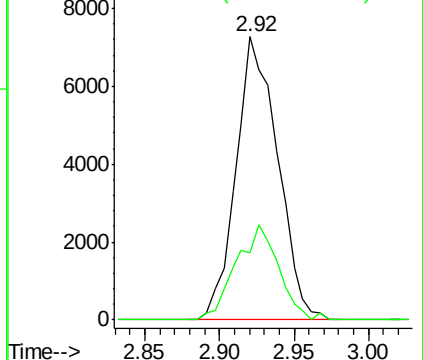
64 100

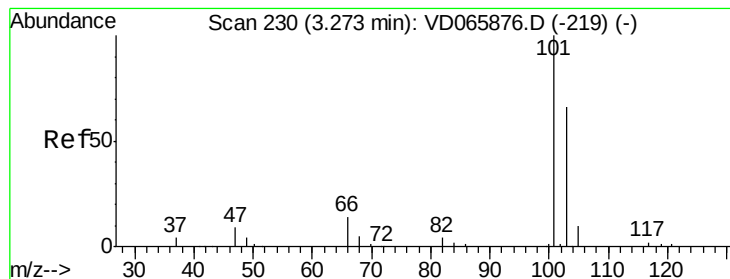
66 23.5 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



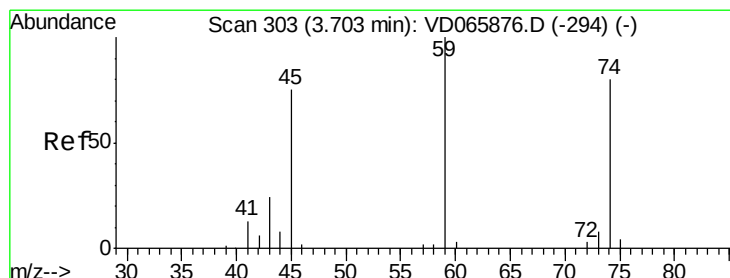
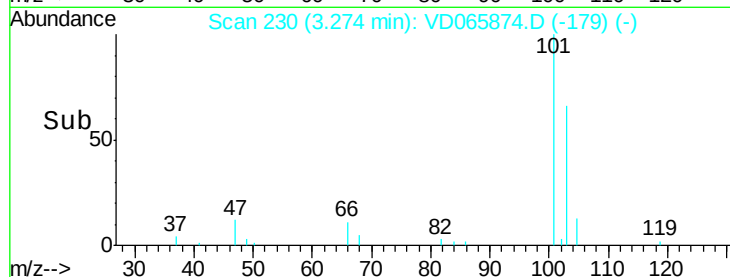
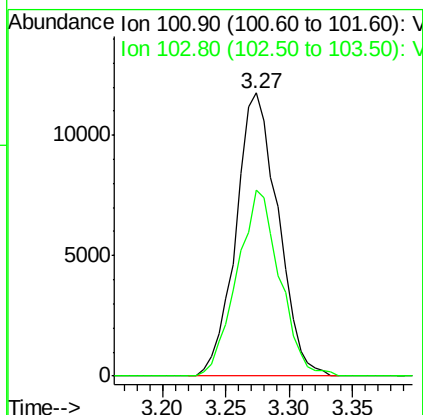
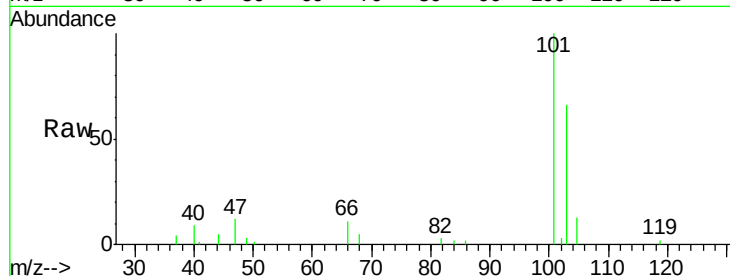


#7

Trichlorofluoromethane
 Concen: 10.054 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

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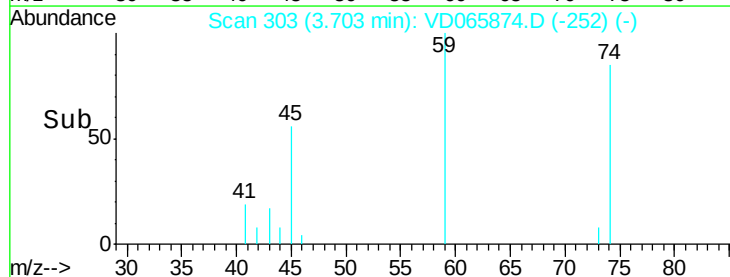
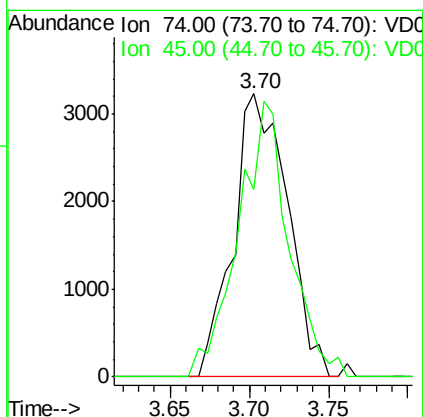
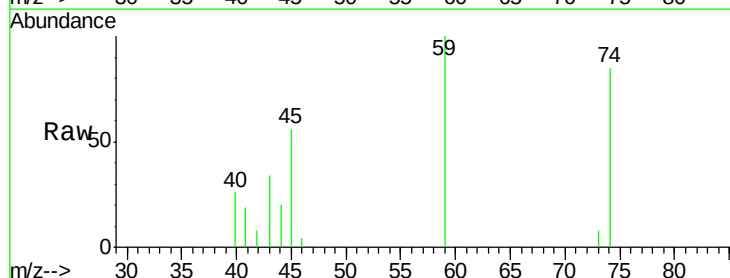
Tot Ion:101 Resp: 27122
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.9 79.3

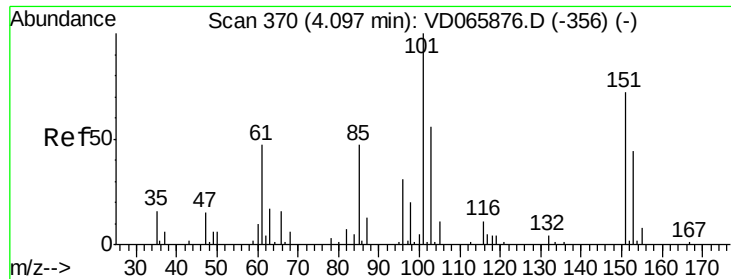


#8

Diethyl Ether
 Concen: 11.143 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Tgt Ion: 74 Resp: 7656
 Ion Ratio Lower Upper
 74 100
 45 91.6 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.656 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

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VSTDIC010

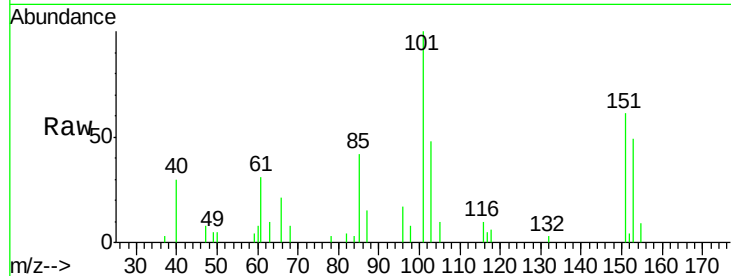
Tot Ion:101 Resp: 16086

Ion Ratio Lower Upper

101 100

85 45.1 38.6 58.0

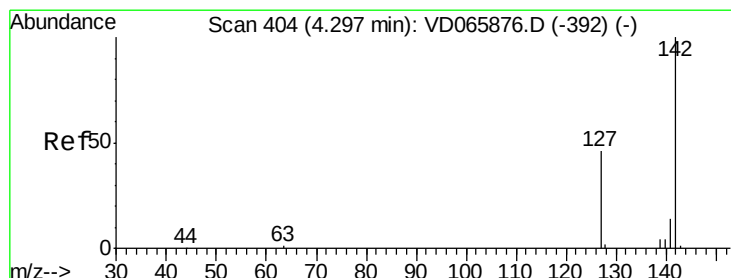
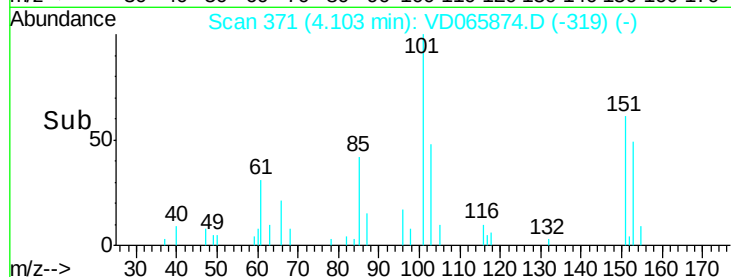
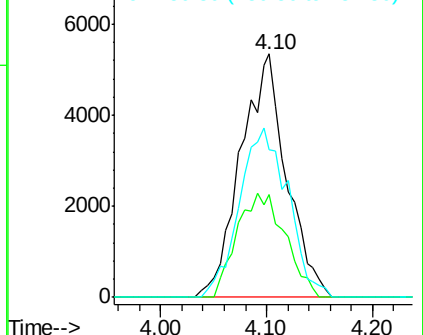
151 73.7 60.7 91.1



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: 8.443 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

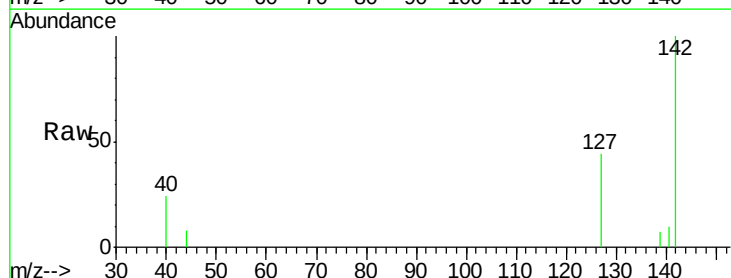
Tgt Ion:142 Resp: 11840

Ion Ratio Lower Upper

142 100

127 45.3 39.0 58.6

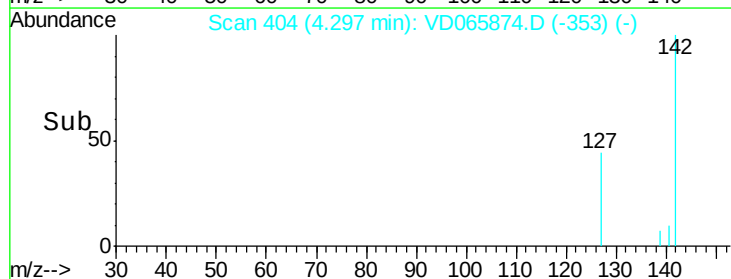
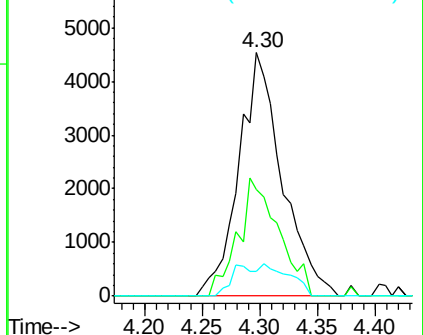
141 7.3 11.5 17.3#

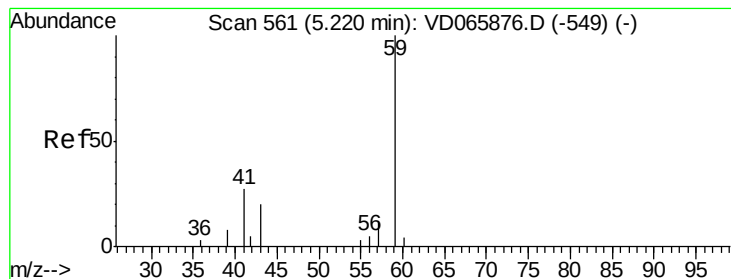


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



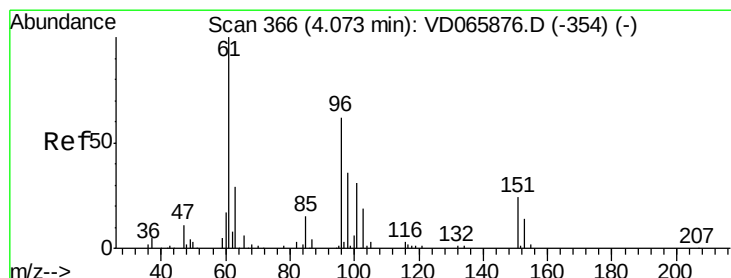
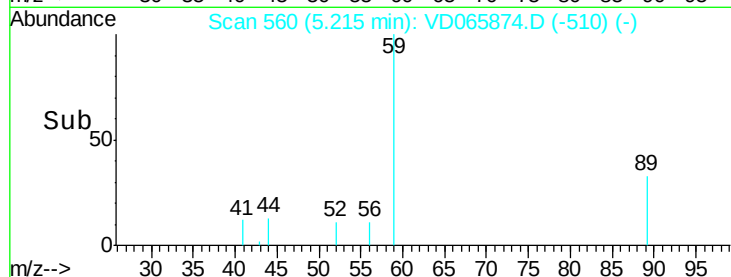
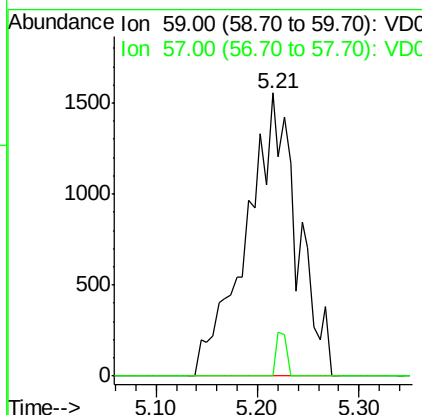
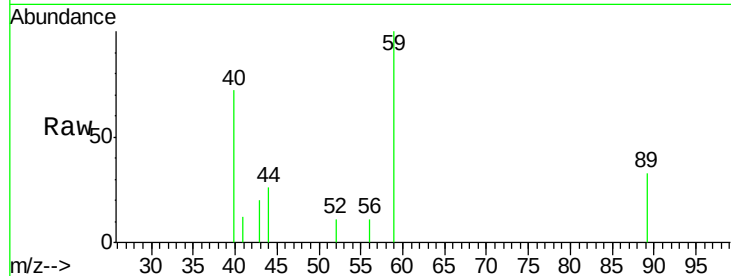


#11

Tert butyl alcohol
 Concen: 65.811 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

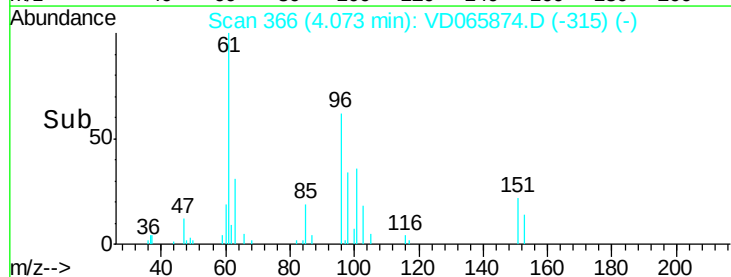
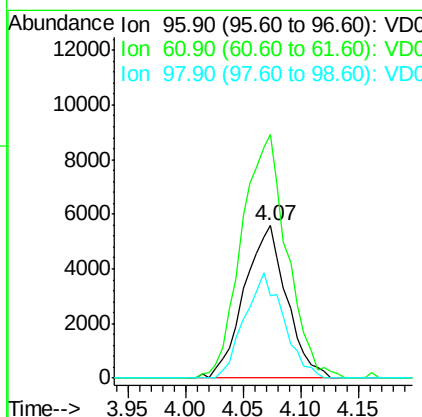
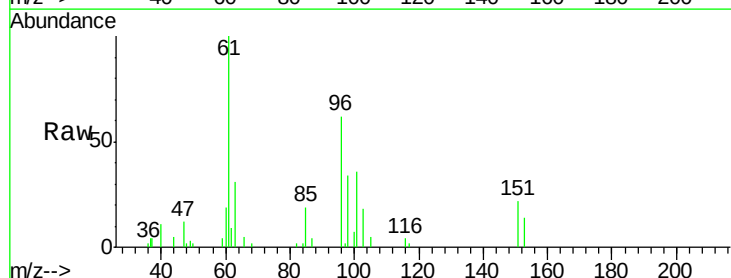
Tot Ion: 59 Resp: 5448
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.7 14.5#

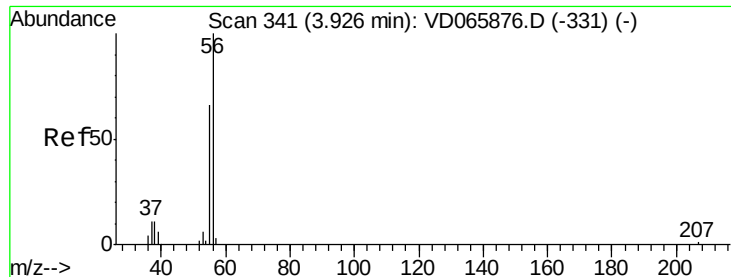


#12

1,1-Dichloroethene
 Concen: 9.981 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Tgt Ion: 96 Resp: 14307
 Ion Ratio Lower Upper
 96 100
 61 160.0 128.3 192.5
 98 54.0 46.2 69.2





#13

Acrolein

Concen: 55.717 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

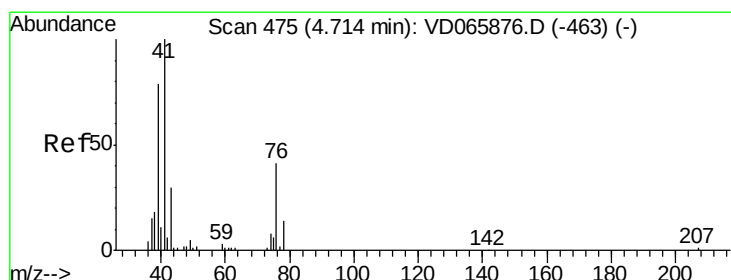
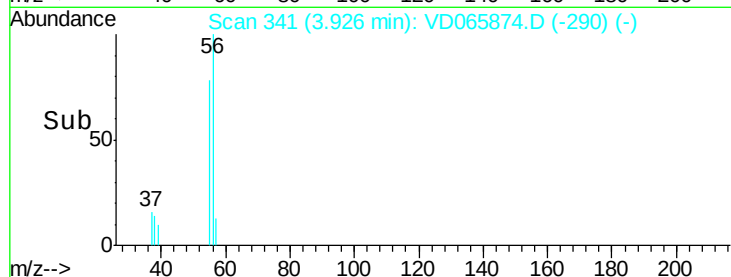
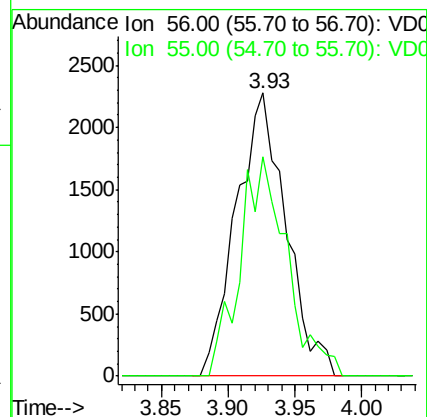
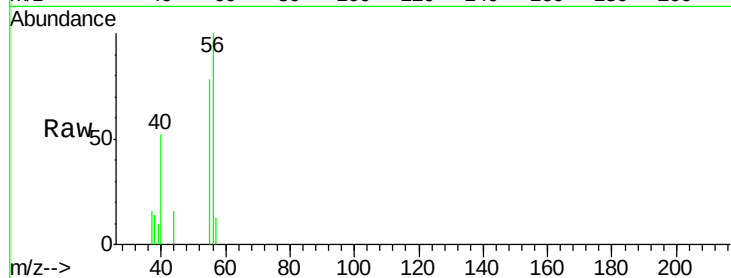
VSTDIC010

Tot Ion: 56 Resp: 5880

Ion Ratio Lower Upper

56 100

55 73.4 58.1 87.1



#14

Allyl chloride

Concen: 10.051 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

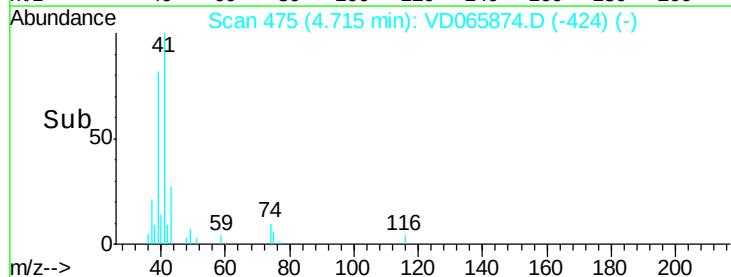
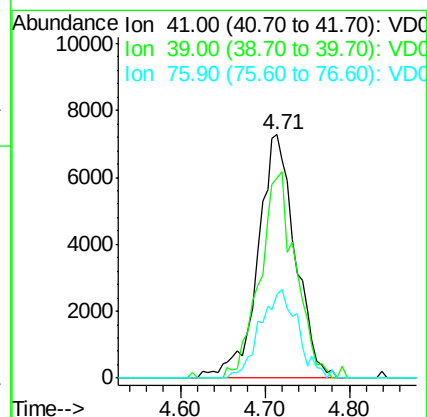
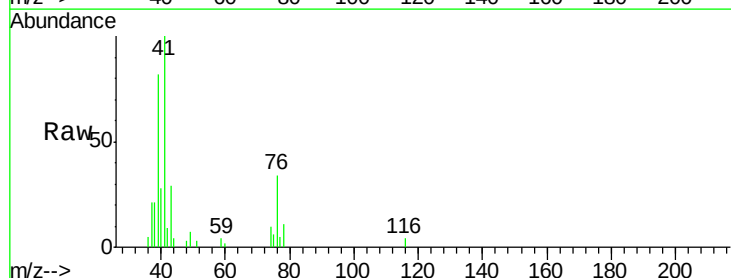
Tgt Ion: 41 Resp: 22393

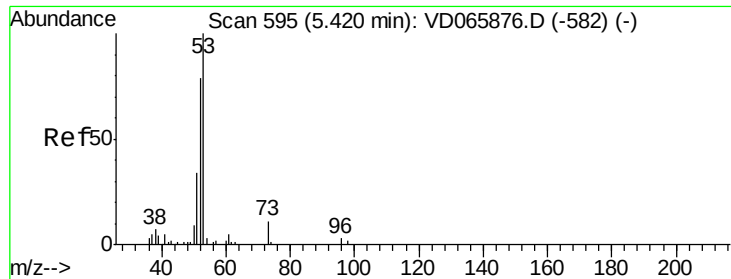
Ion Ratio Lower Upper

41 100

39 80.8 63.8 95.8

76 36.6 32.2 48.4





#15

Acrylonitrile

Concen: 51.732 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

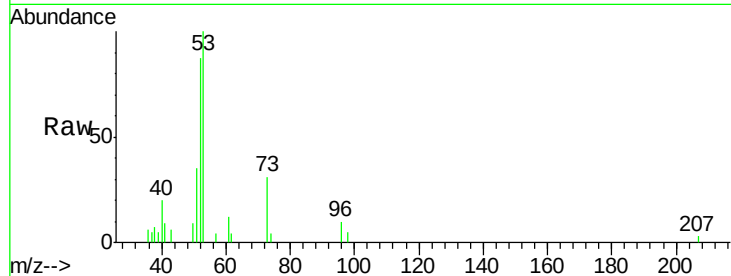
Tot Ion: 53 Resp: 15473

Ion Ratio Lower Upper

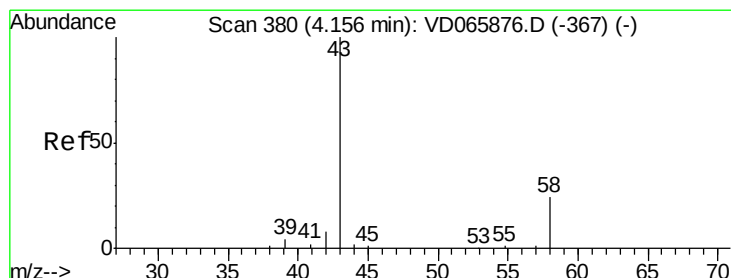
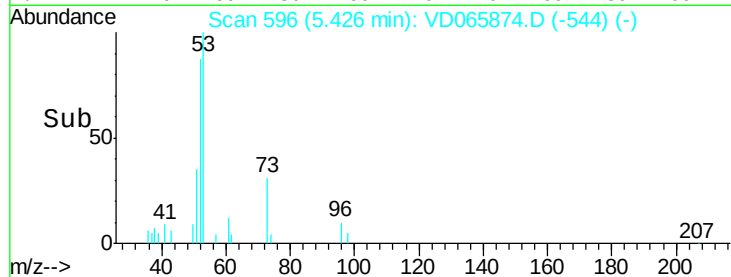
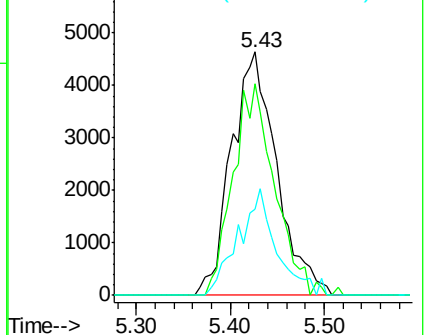
53 100

52 80.0 66.3 99.5

51 37.2 29.9 44.9



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



#16

Acetone

Concen: 47.915 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065874.D

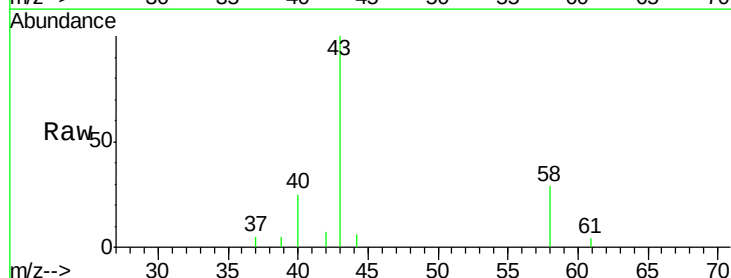
Acq: 26 Jun 2020 11:11

Tgt Ion: 43 Resp: 14132

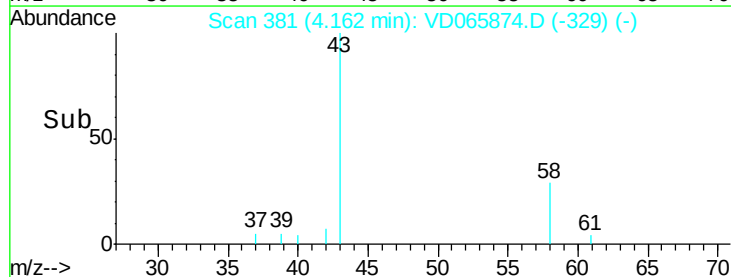
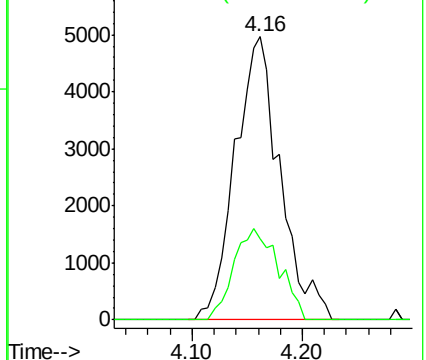
Ion Ratio Lower Upper

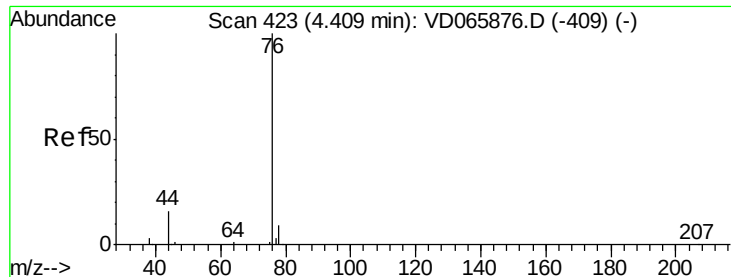
43 100

58 28.8 19.5 29.3



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





#17

Carbon Disulfide

Concen: 10.257 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

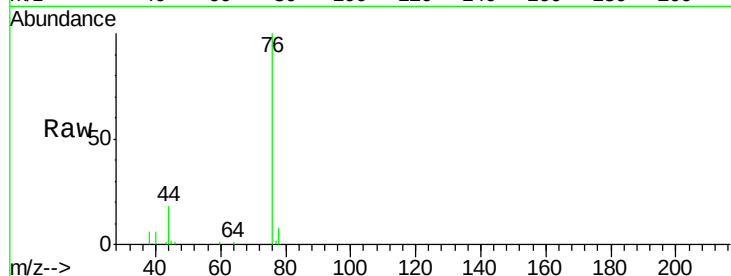
VSTDIC010

Tot Ion: 76 Resp: 48496

Ion Ratio Lower Upper

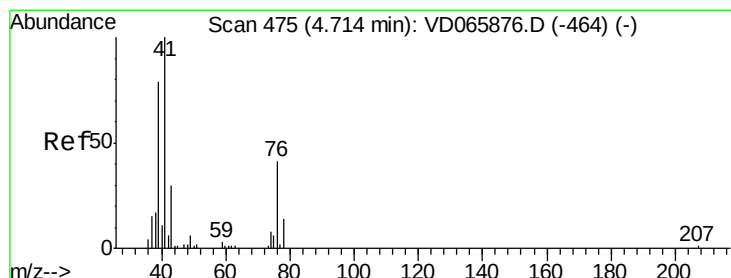
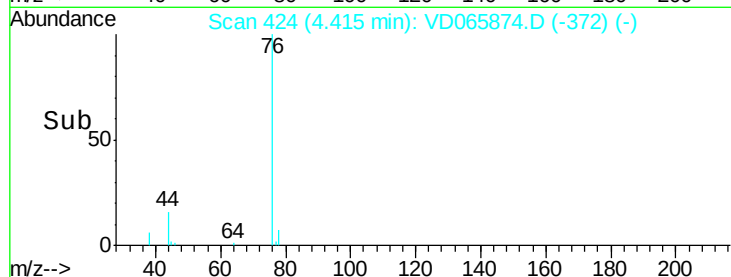
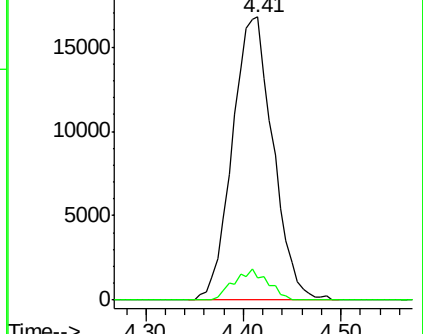
76 100

78 8.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.007 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065874.D

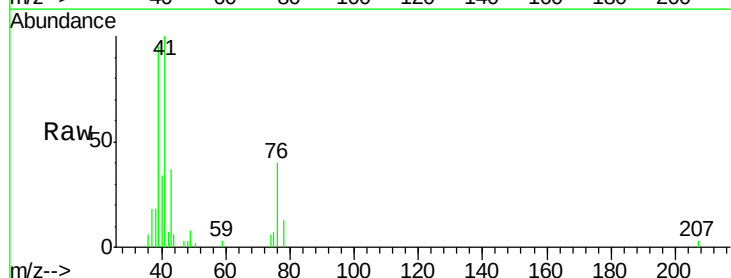
Acq: 26 Jun 2020 11:11

Tgt Ion: 43 Resp: 6293

Ion Ratio Lower Upper

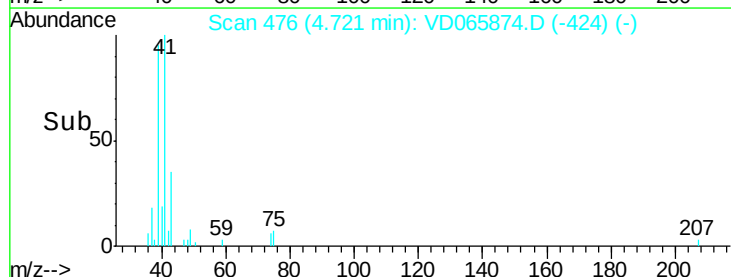
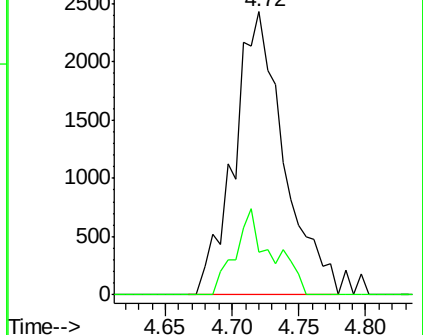
43 100

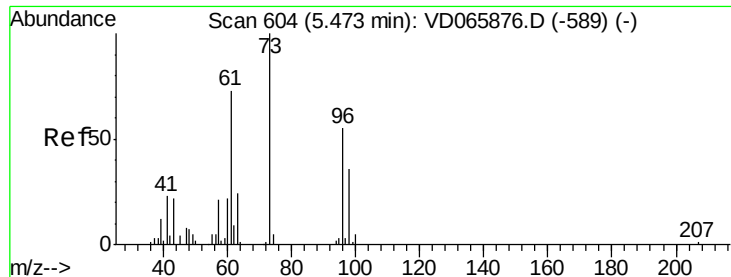
74 22.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 9.710 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

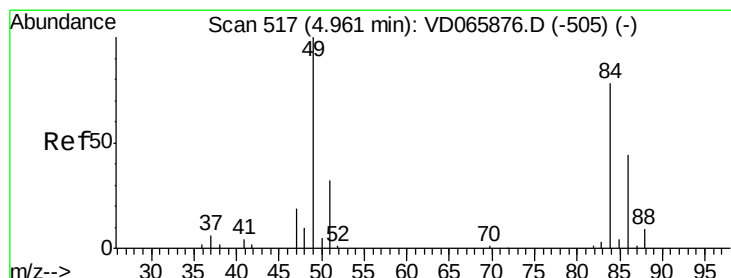
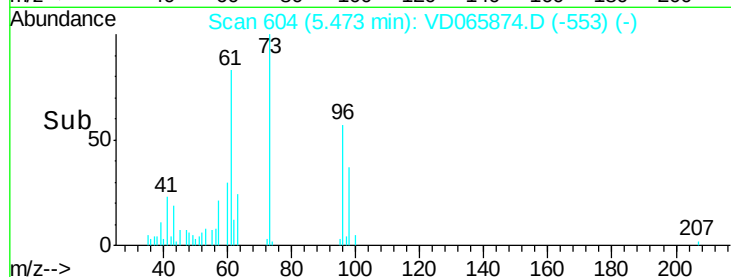
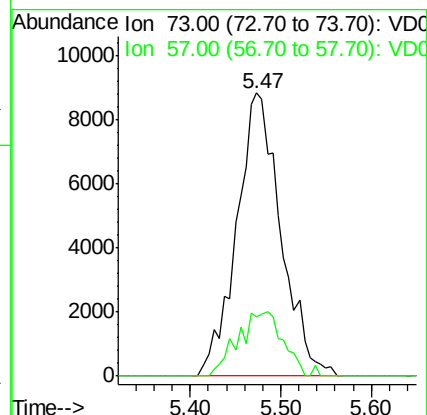
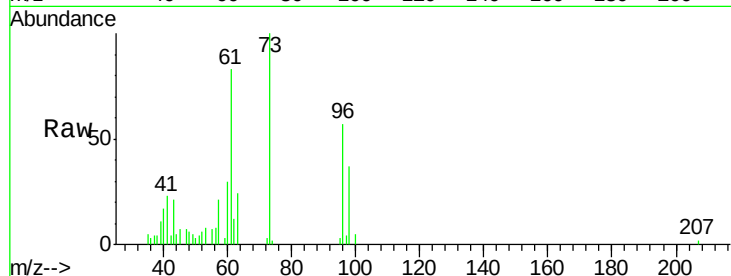
VSTDIC010

Tot Ion: 73 Resp: 29830

Ion Ratio Lower Upper

73 100

57 21.1 17.0 25.4



#20

Methylene Chloride

Concen: 12.010 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Tgt Ion: 84 Resp: 21462

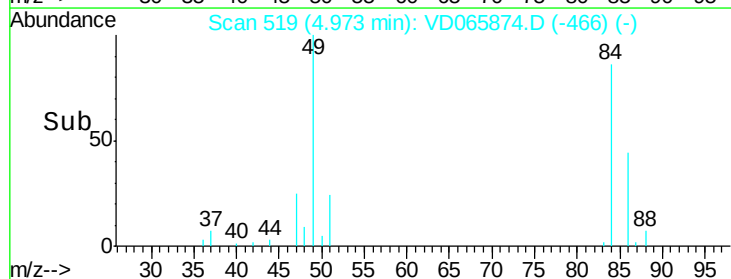
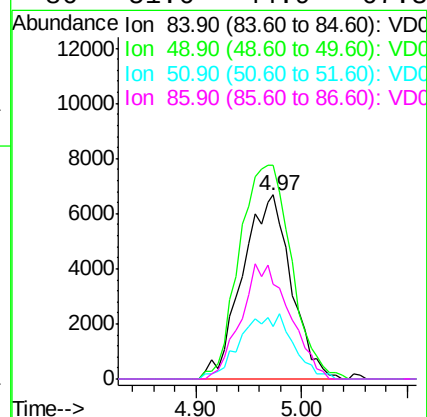
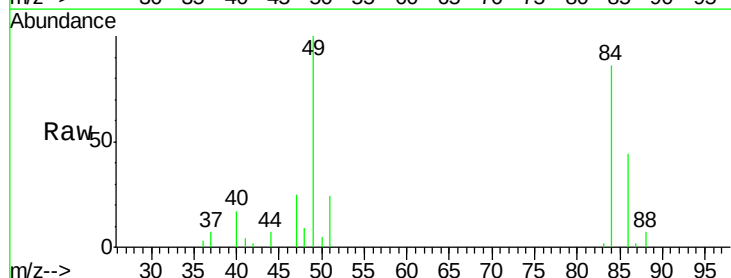
Ion Ratio Lower Upper

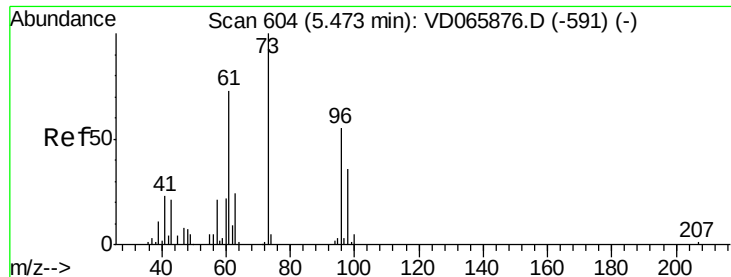
84 100

49 116.1 103.0 154.6

51 28.3 32.7 49.1#

86 51.6 44.9 67.3





#21

trans-1,2-Dichloroethene

Concen: 10.222 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

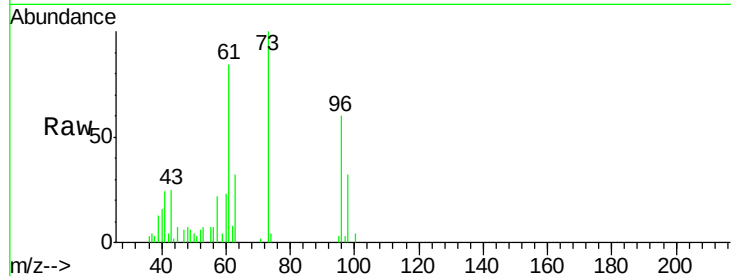
Tot Ion: 96 Resp: 16497

Ion Ratio Lower Upper

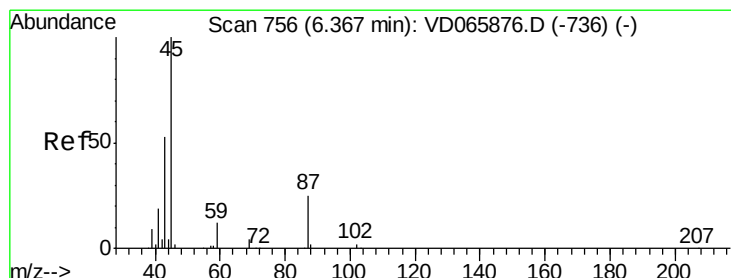
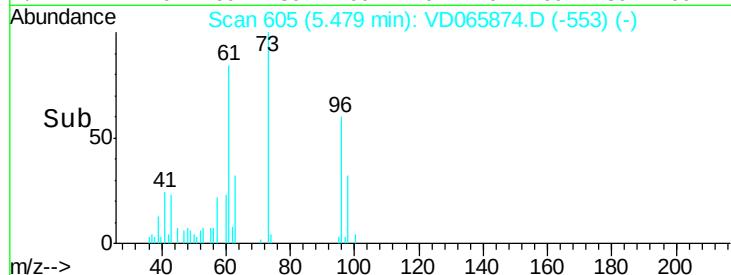
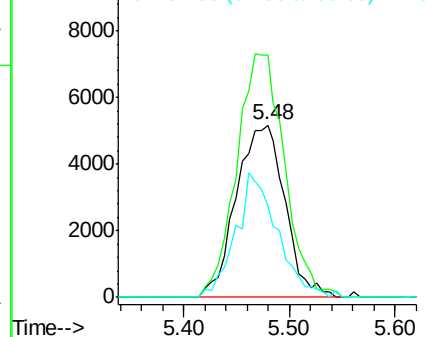
96 100

61 140.7 107.0 160.4

98 53.0 52.2 78.2



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: 9.477 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Tgt Ion: 45 Resp: 43500

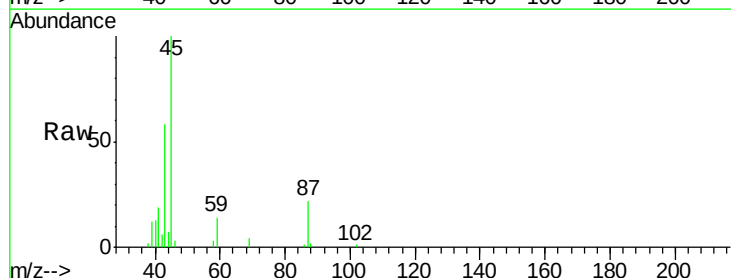
Ion Ratio Lower Upper

45 100

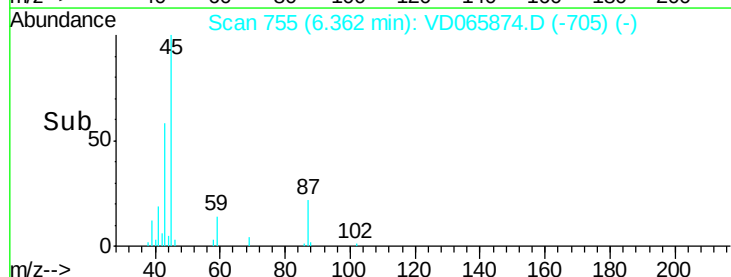
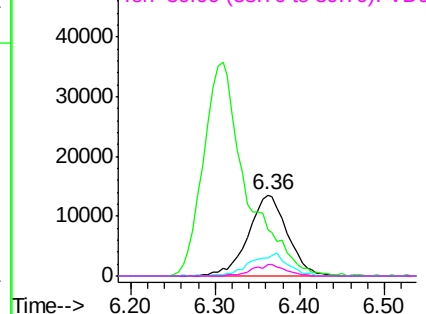
43 55.1 43.4 65.0

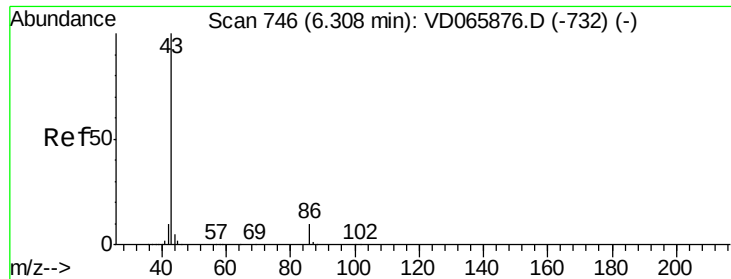
87 22.2 19.8 29.8

59 14.0 9.9 14.9



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: 47.413 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

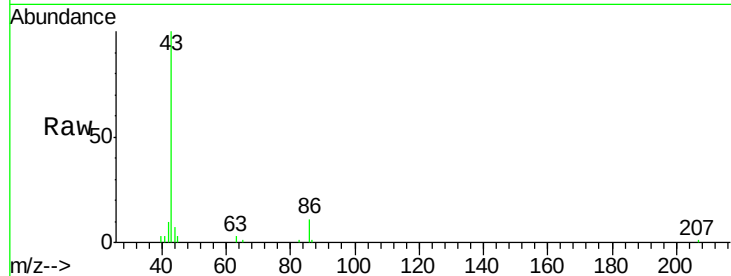
VSTDIC010

Tot Ion: 43 Resp: 126416

Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

40000

30000

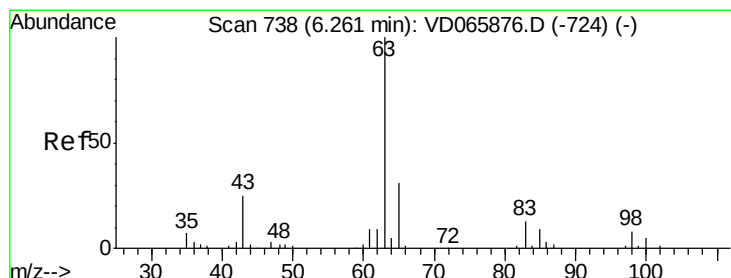
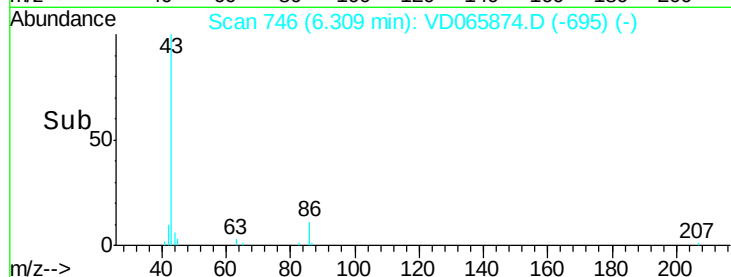
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 9.852 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

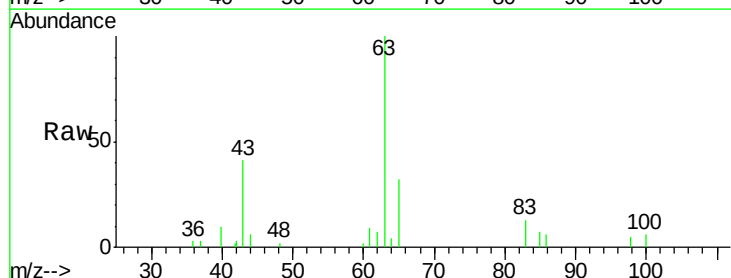
Tgt Ion: 63 Resp: 27418

Ion Ratio Lower Upper

63 100

98 5.1 3.8 11.4

100 5.5 2.4 7.2



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

12000

10000

8000

6000

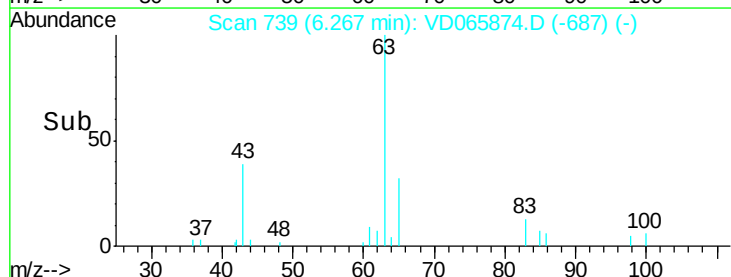
4000

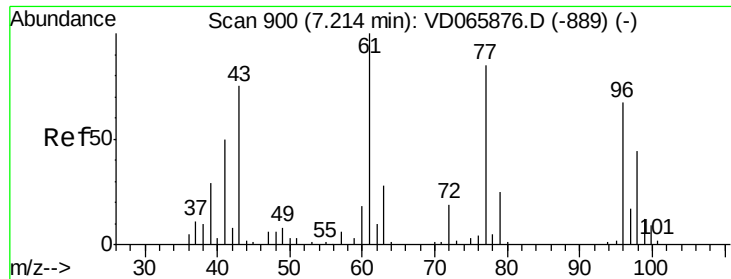
2000

0

6.20 6.30

Time-->





#25

2-Butanone

Concen: 48.998 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

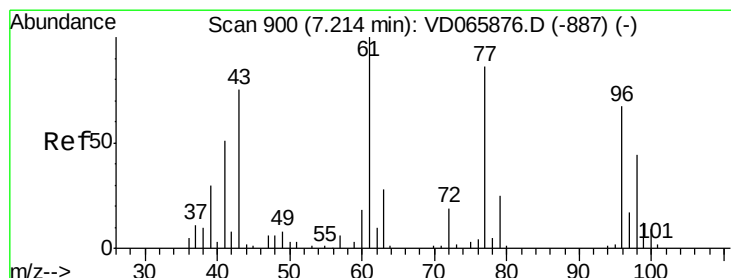
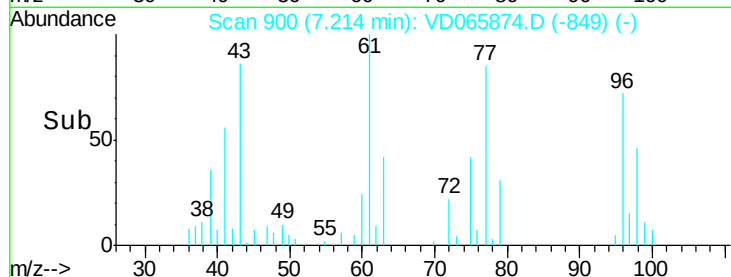
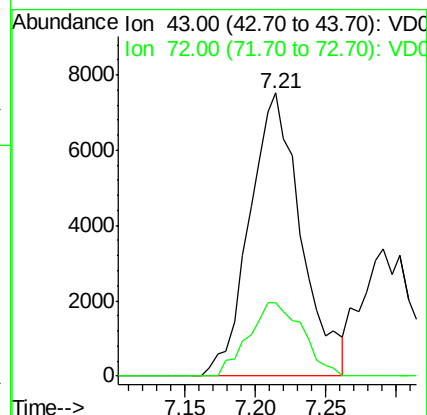
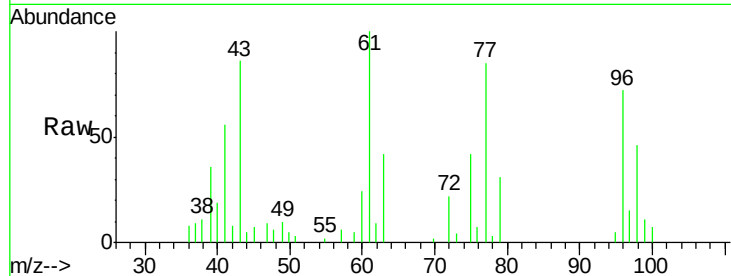
VSTDIC010

Tot Ion: 43 Resp: 19196

Ion Ratio Lower Upper

43 100

72 25.9 20.6 31.0



#26

2,2-Dichloropropane

Concen: 9.947 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065874.D

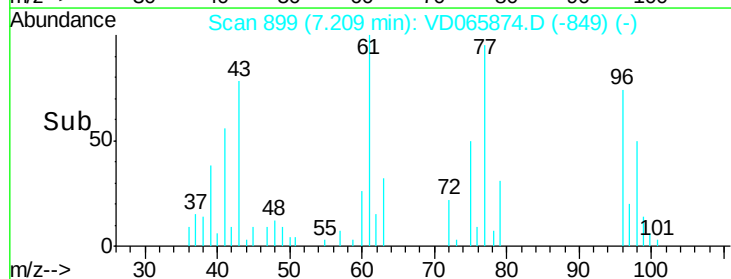
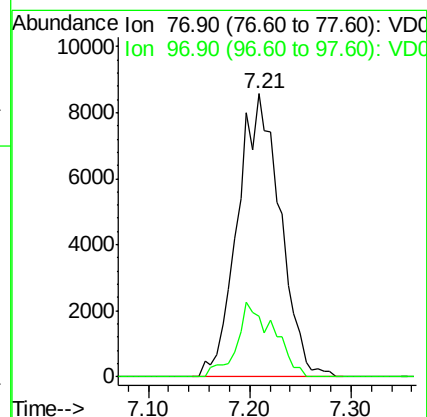
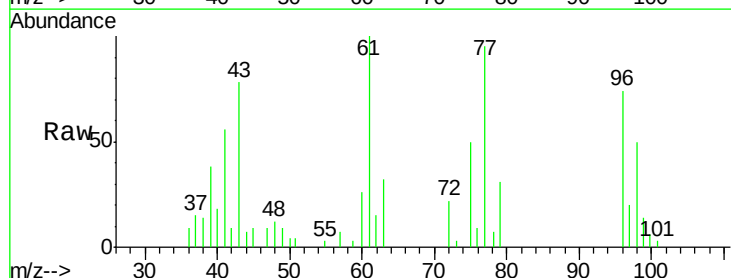
Acq: 26 Jun 2020 11:11

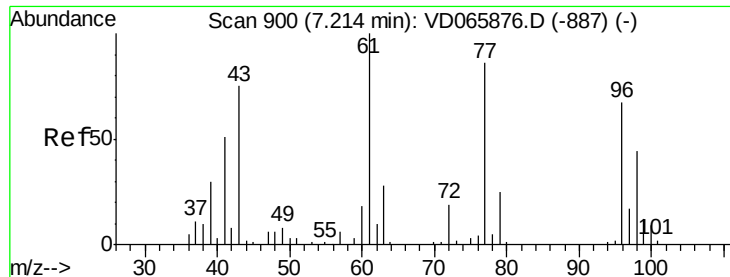
Tgt Ion: 77 Resp: 25128

Ion Ratio Lower Upper

77 100

97 22.9 10.8 32.3



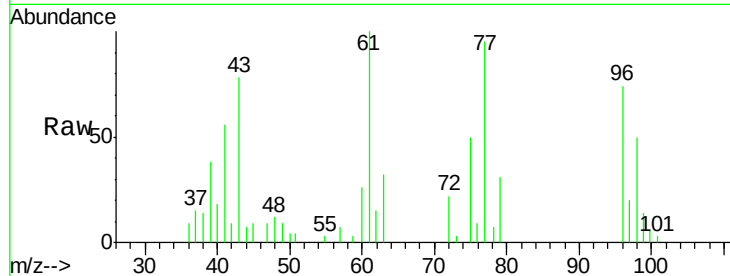


#27

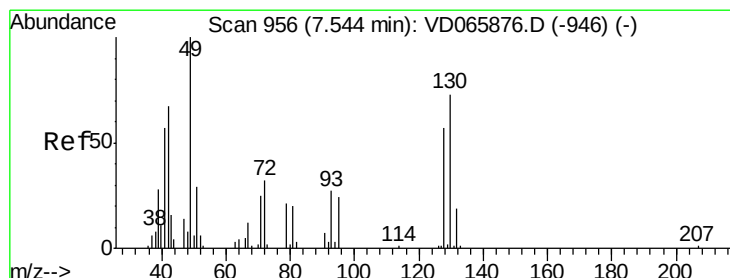
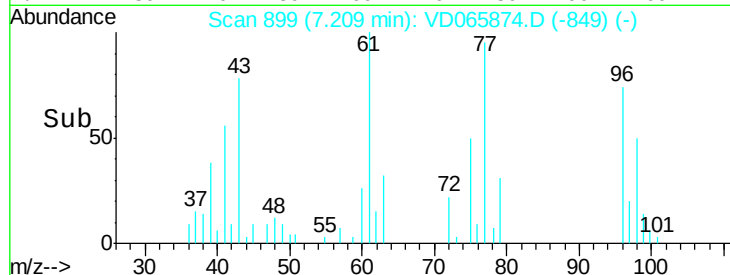
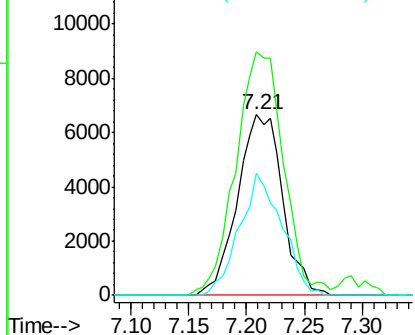
cis-1,2-Dichloroethene
 Concen: 10.438 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 96 Resp: 18111
 Ion Ratio Lower Upper
 96 100
 61 143.1 0.0 297.8
 98 63.3 0.0 129.8



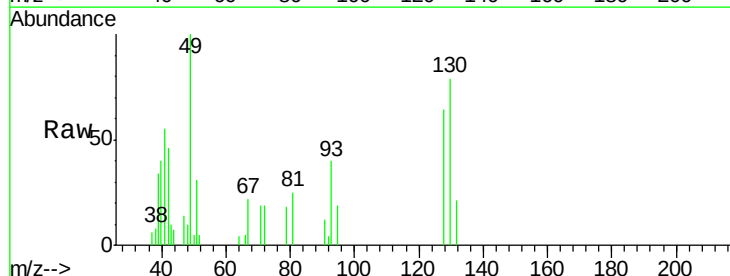
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



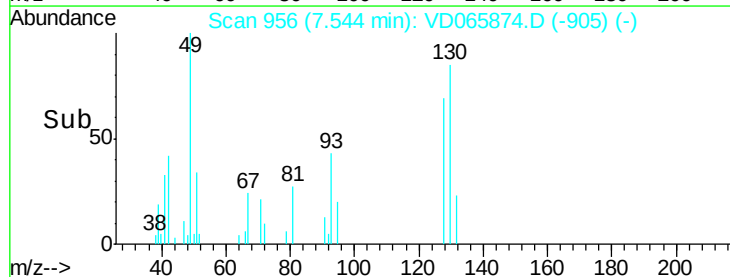
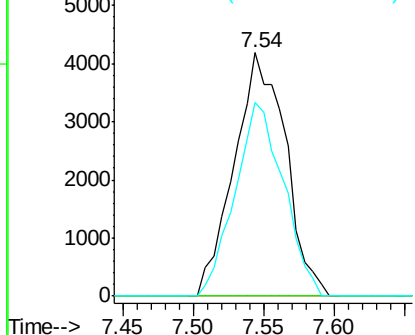
#28

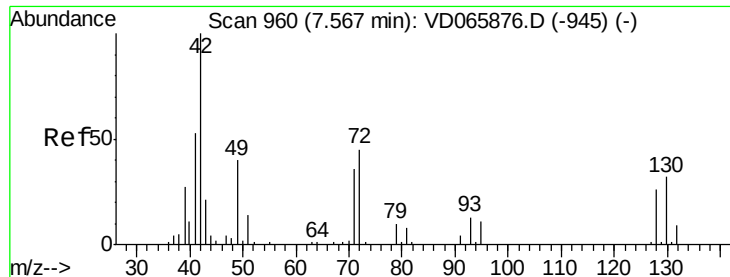
Bromochloromethane
 Concen: 10.391 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Tgt Ion: 49 Resp: 10629
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 75.3 61.0 91.6



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

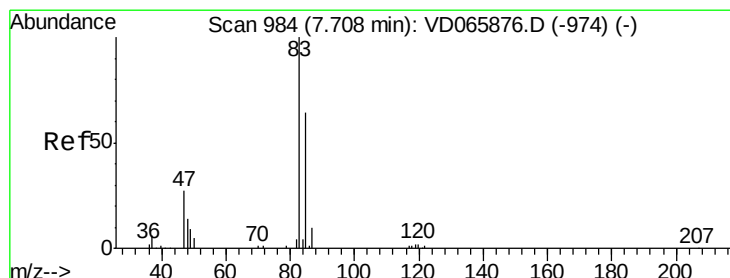
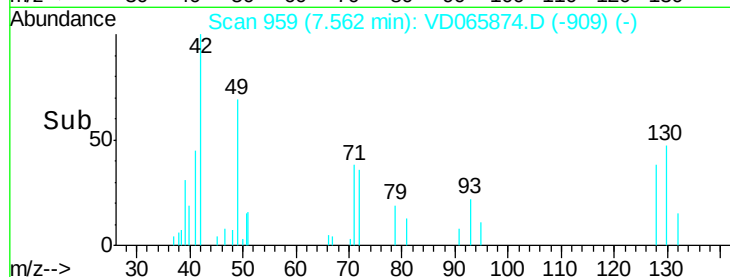
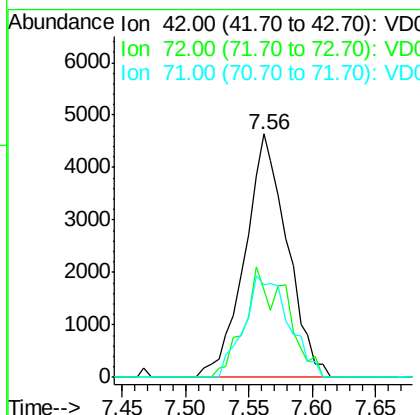
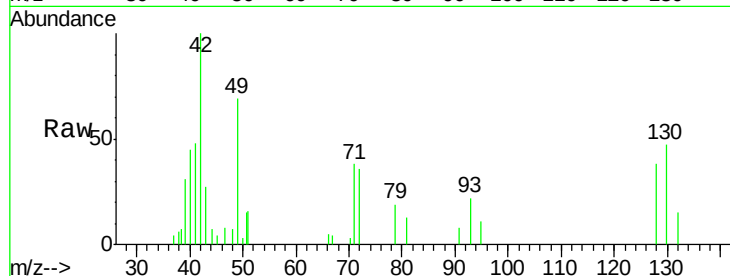




#29
Tetrahydrofuran
Concen: 44.553 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

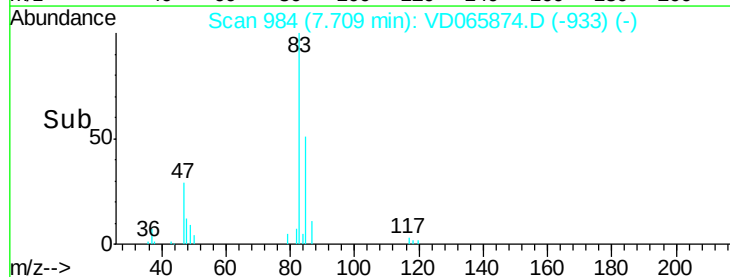
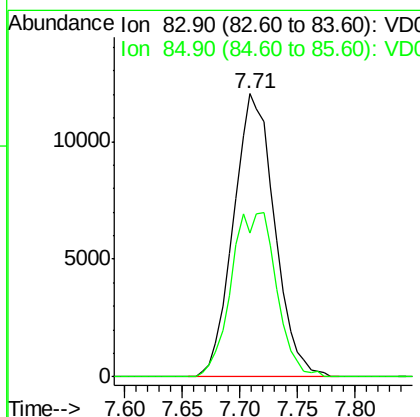
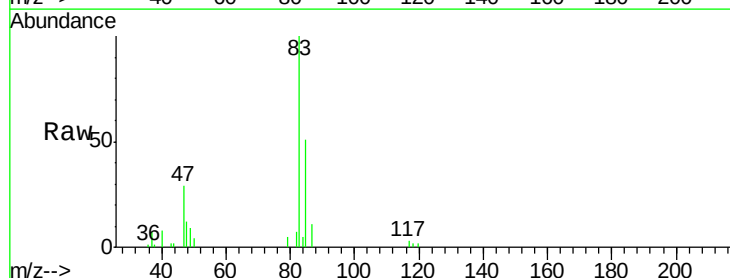
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

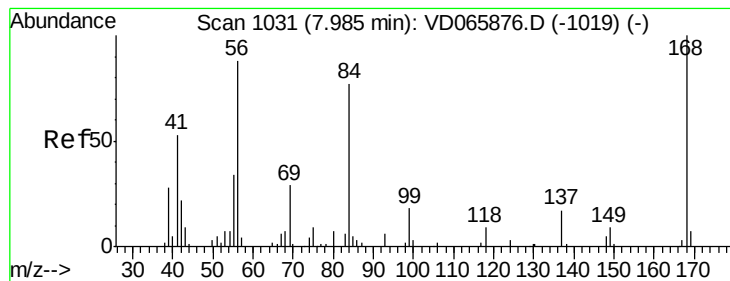
Tot Ion: 42 Resp: 10813
Ion Ratio Lower Upper
42 100
72 26.6 35.3 52.9#
71 43.9 32.6 48.8



#30
Chloroform
Concen: 10.143 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion: 83 Resp: 29798
Ion Ratio Lower Upper
83 100
85 50.8 51.2 76.8#





#31

Cyclohexane

Concen: 10.117 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

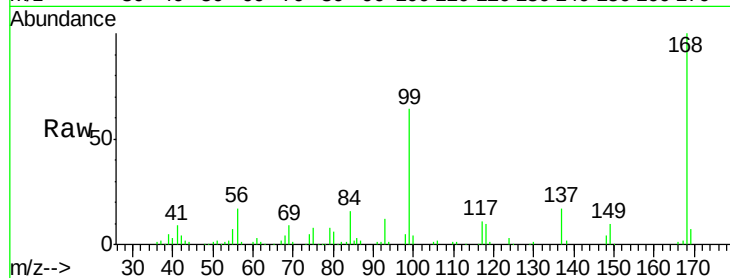
Tot Ion: 56 Resp: 26810

Ion Ratio Lower Upper

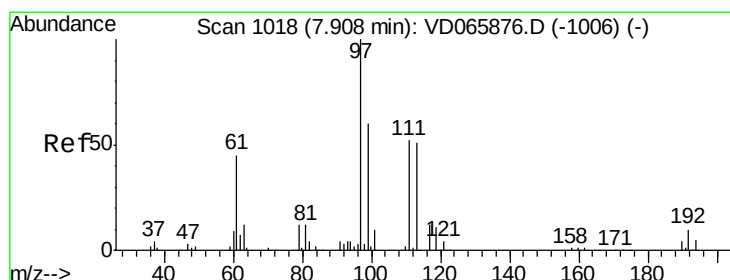
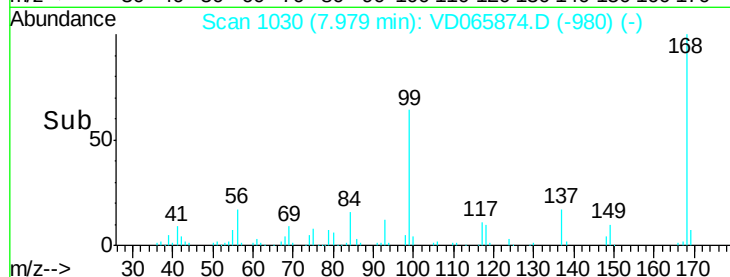
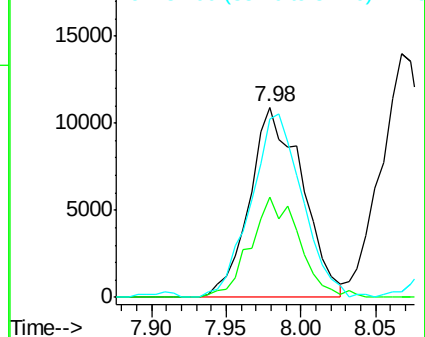
56 100

69 52.6 26.2 39.4#

84 93.8 70.3 105.5



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



#32

1,1,1-Trichloroethane

Concen: 9.986 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

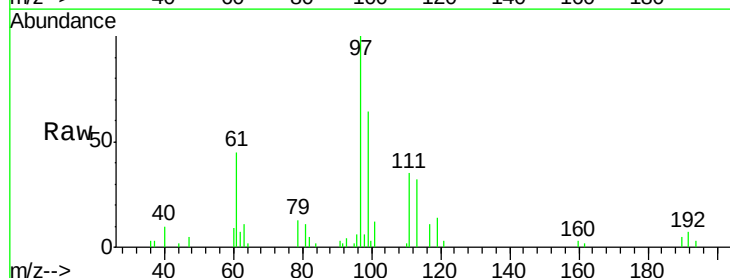
Tgt Ion: 97 Resp: 27246

Ion Ratio Lower Upper

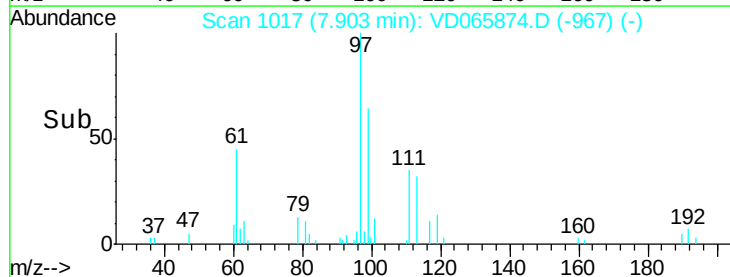
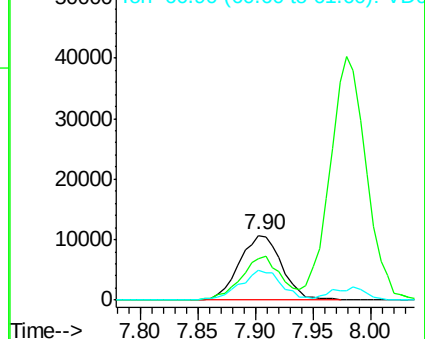
97 100

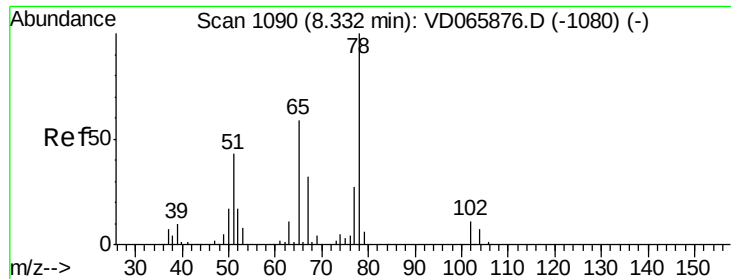
99 64.3 50.2 75.4

61 45.1 36.0 54.0



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

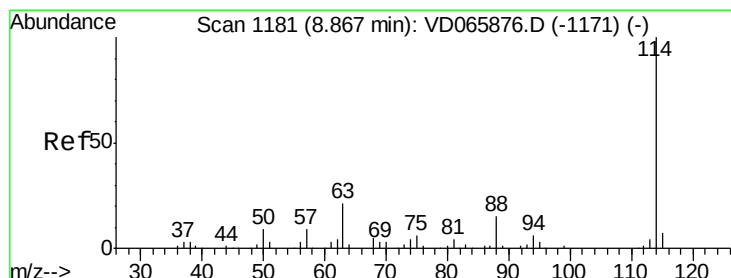
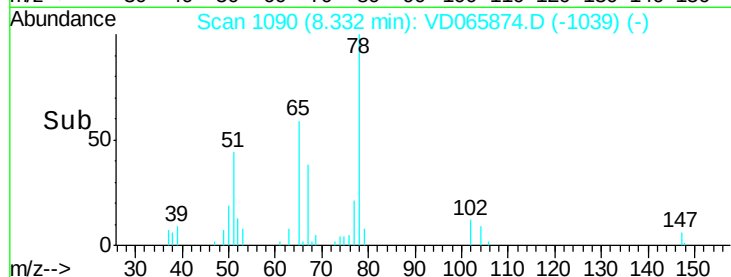
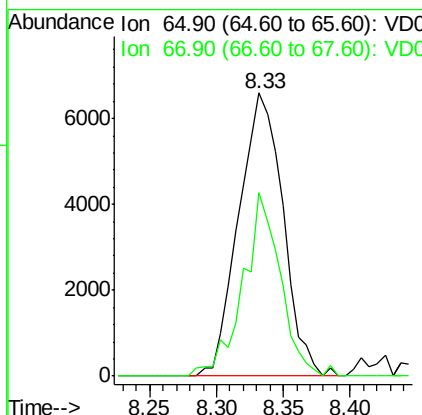
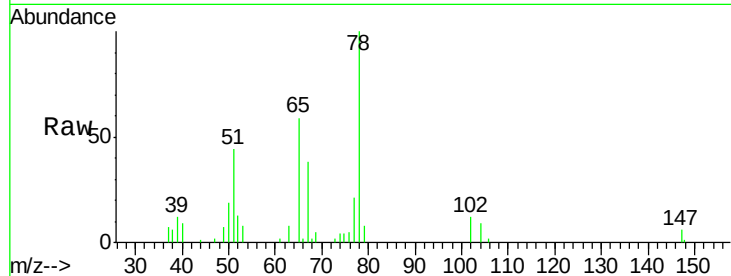




#33
 1,2-Dichloroethane-d4
 Concen: 10.165 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

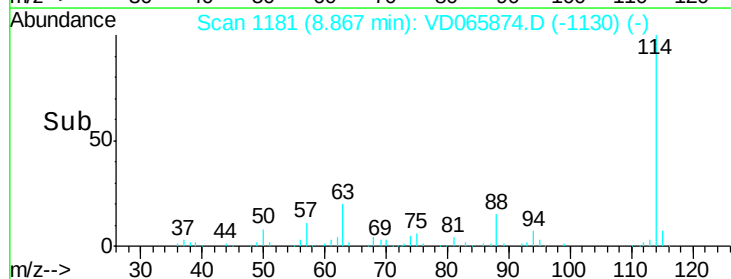
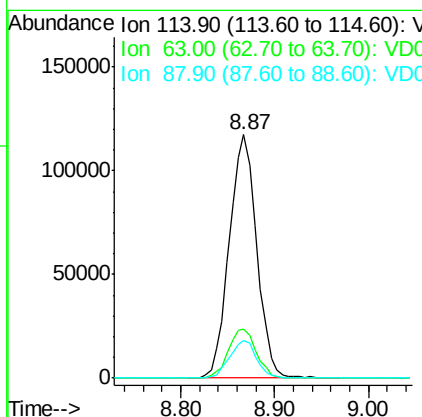
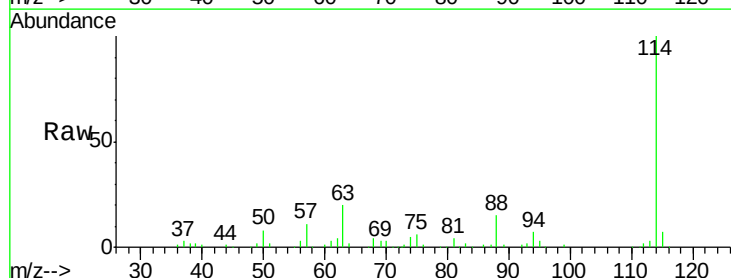
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

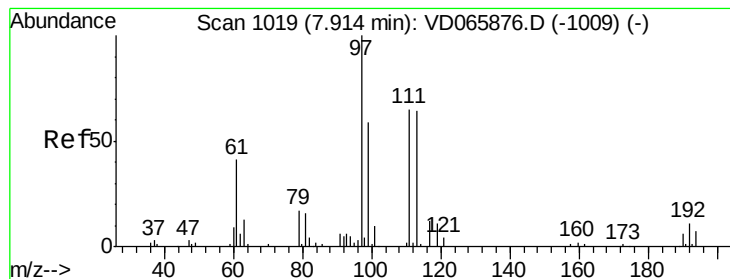
Tot Ion: 65 Resp: 15176
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Tgt Ion: 114 Resp: 238750
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.6
 88 15.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 10.062 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

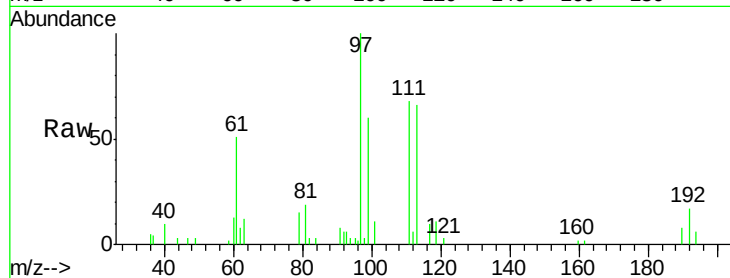
Tot Ion:113 Resp: 14413

Ion Ratio Lower Upper

113 100

111 100.7 81.0 121.6

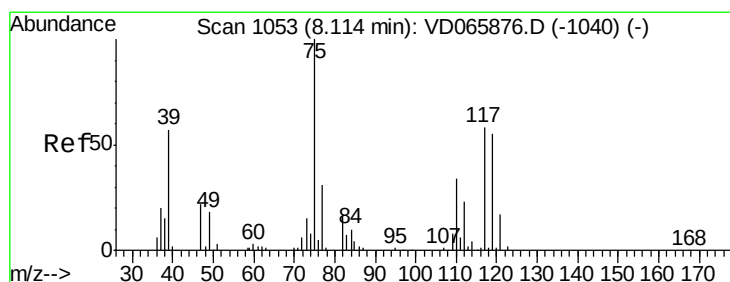
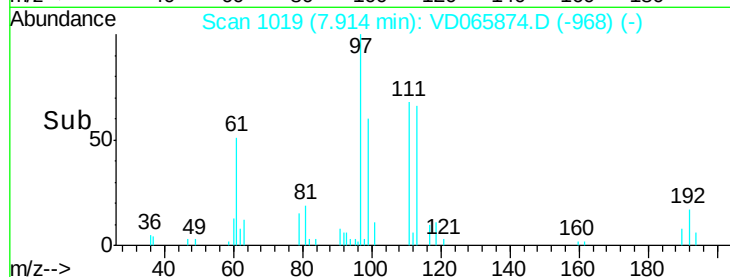
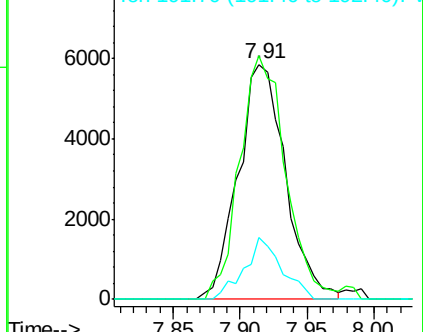
192 20.7 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 9.773 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

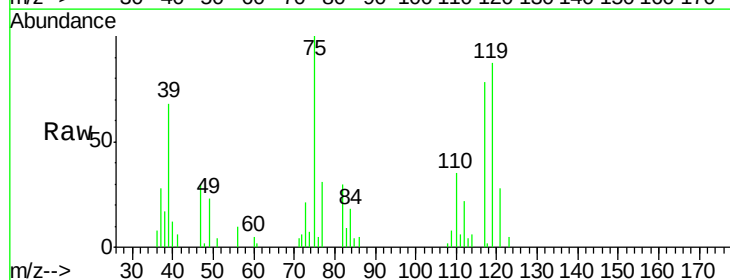
Tgt Ion: 75 Resp: 23031

Ion Ratio Lower Upper

75 100

110 37.1 16.8 50.4

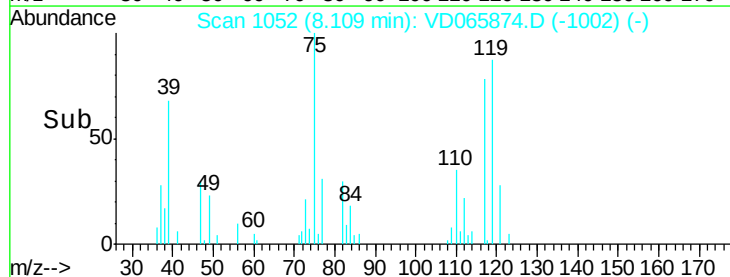
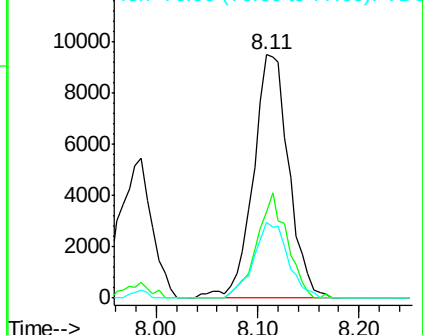
77 30.3 24.0 36.0

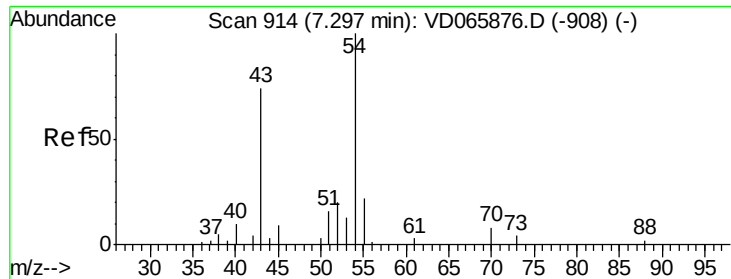


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

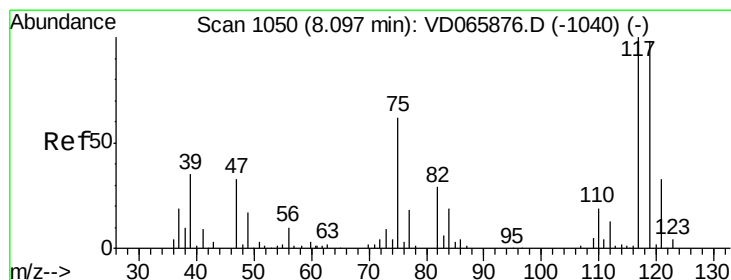
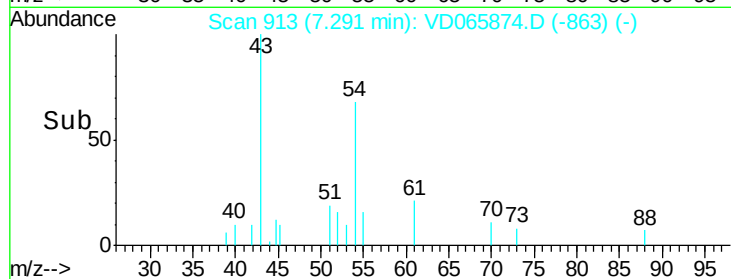
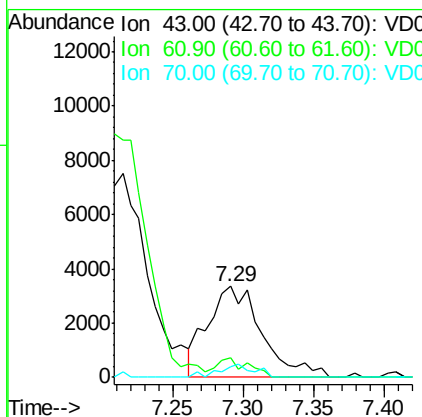
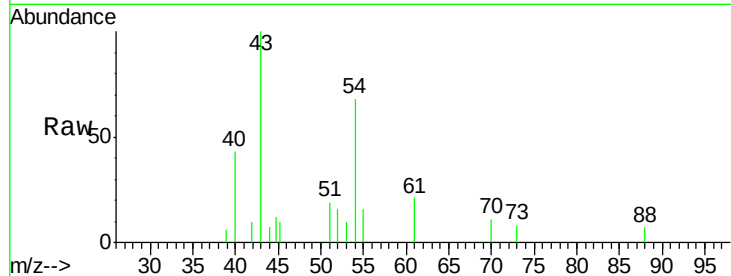




#37
Ethyl Acetate
Concen: 9.957 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

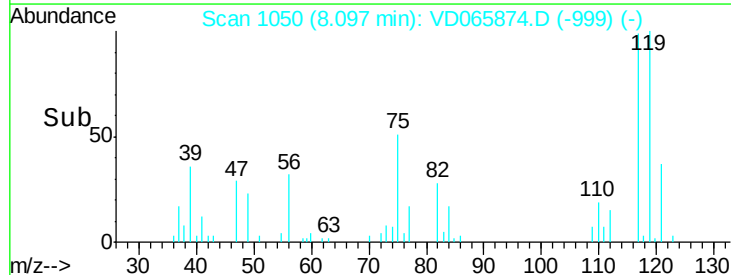
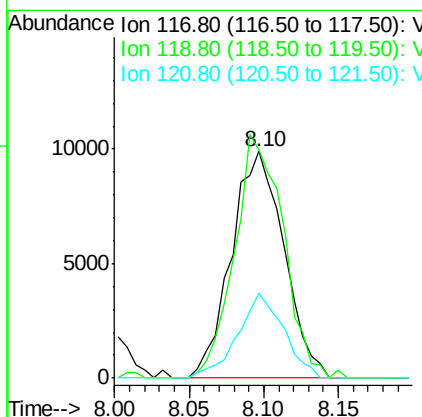
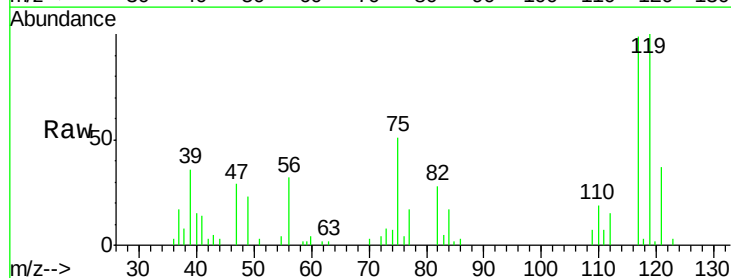
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

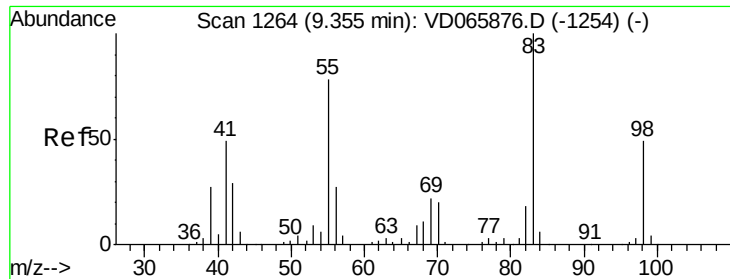
Tot Ion: 43 Resp: 8942
Ion Ratio Lower Upper
43 100
61 12.3 0.0 0.0#
70 9.2 8.5 12.7



#38
Carbon Tetrachloride
Concen: 9.661 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion: 117 Resp: 24238
Ion Ratio Lower Upper
117 100
119 101.0 78.6 117.8
121 37.6 26.5 39.7

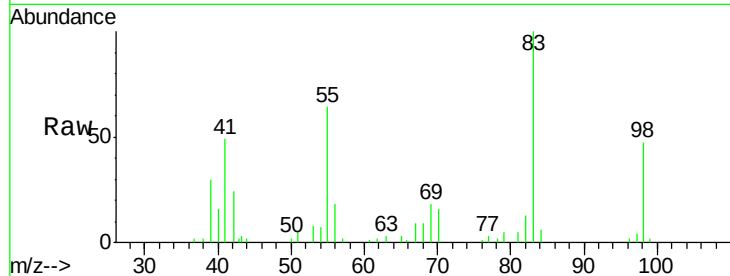




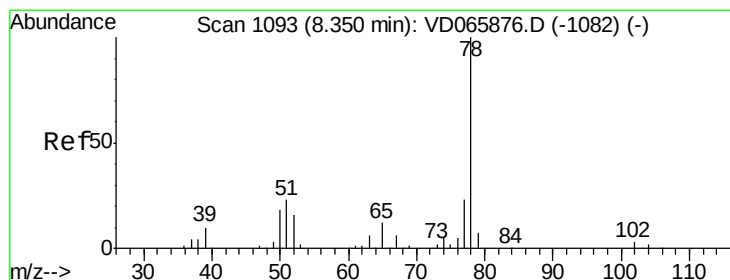
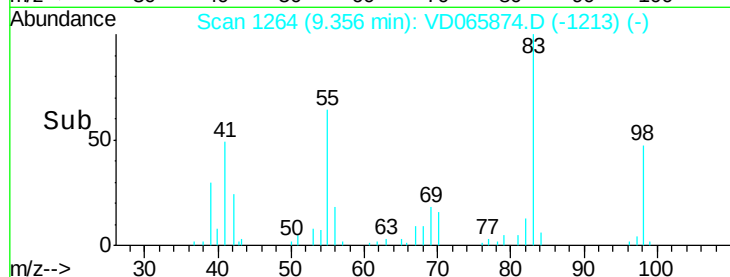
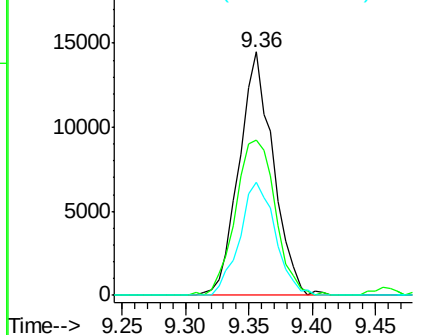
#39
Methylvlcyclohexane
Concen: 9.859 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 27114
Ion Ratio Lower Upper
83 100
55 63.8 62.2 93.4
98 46.6 39.6 59.4

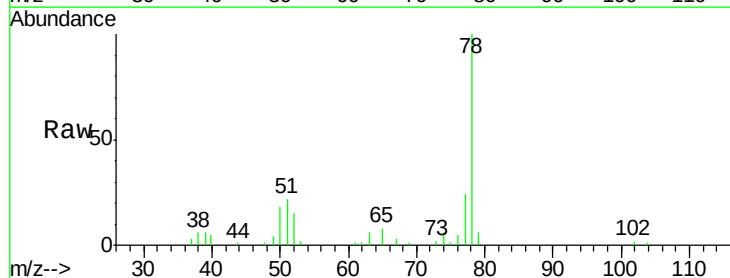


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

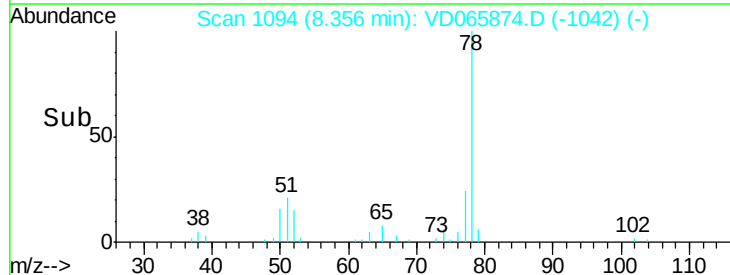
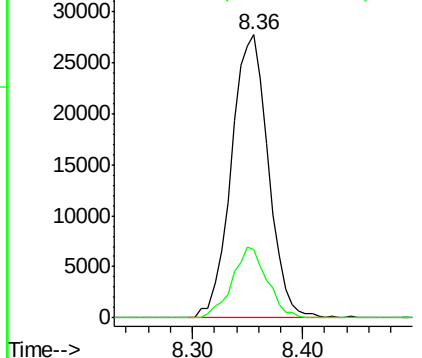


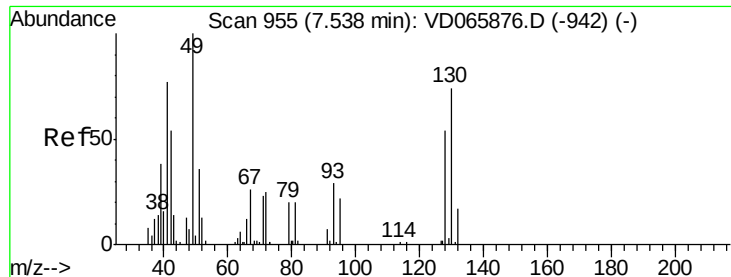
#40
Benzene
Concen: 10.006 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion: 78 Resp: 64969
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 6.513 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 3633

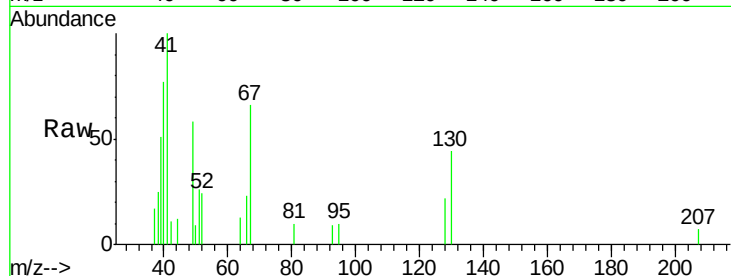
Ion Ratio Lower Upper

41 100

39 66.5 82.7 124.1#

67 104.4 0.0 0.0#

52 50.3 0.0 0.0#

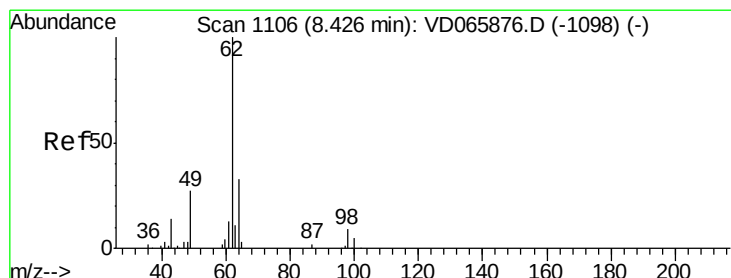
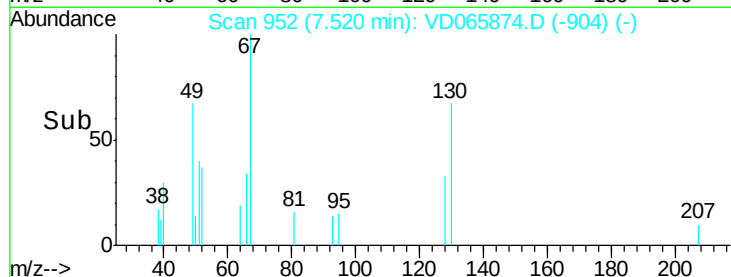
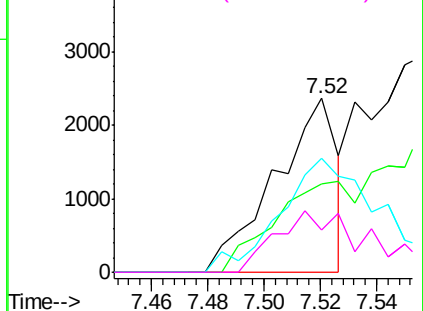


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 10.144 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065874.D

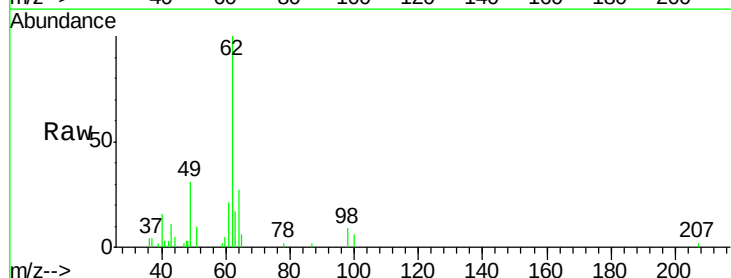
Acq: 26 Jun 2020 11:11

Tgt Ion: 62 Resp: 19255

Ion Ratio Lower Upper

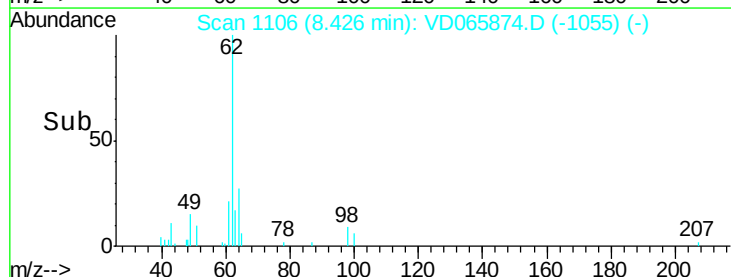
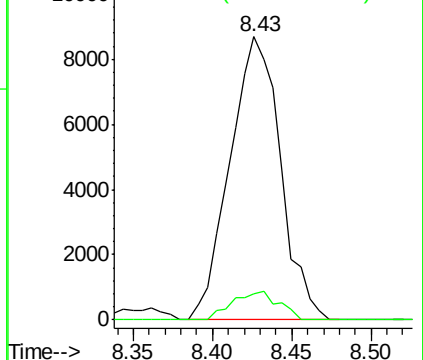
62 100

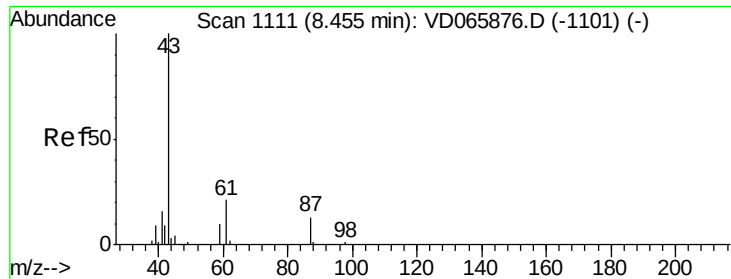
98 9.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 9.266 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

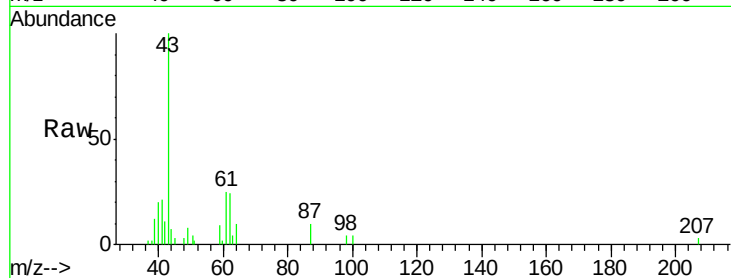
Tot Ion: 43 Resp: 16116

Ion Ratio Lower Upper

43 100

61 0.0 25.2 37.8#

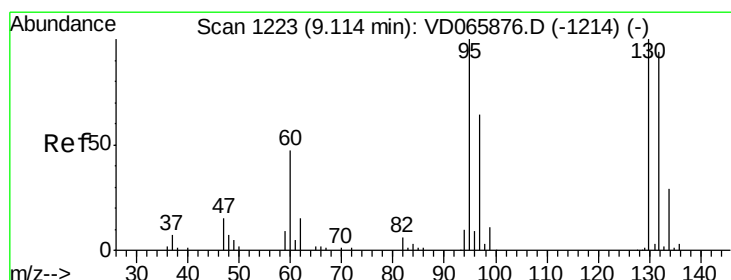
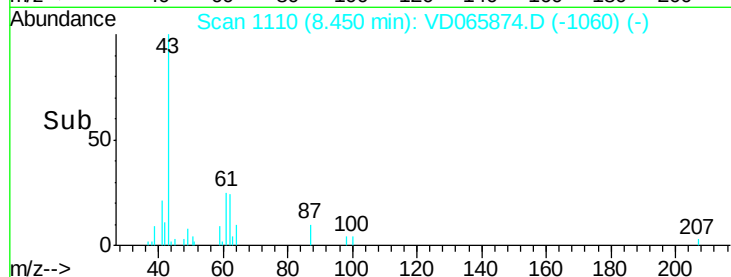
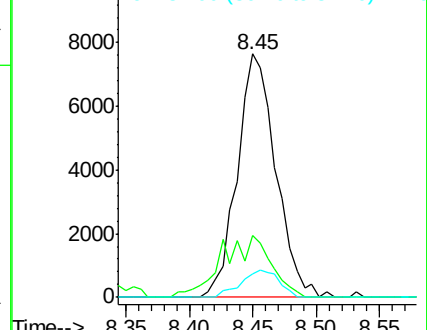
87 10.9 10.4 15.6



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: 9.979 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065874.D

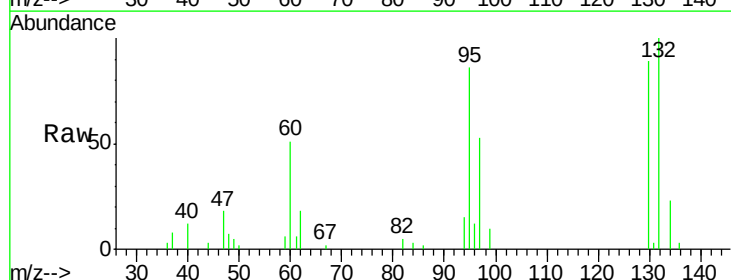
Acq: 26 Jun 2020 11:11

Tgt Ion: 130 Resp: 17247

Ion Ratio Lower Upper

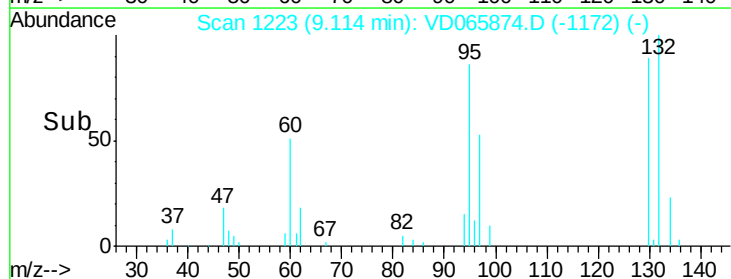
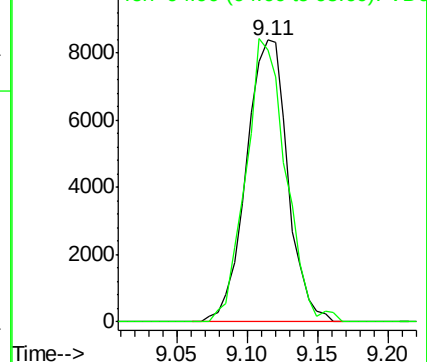
130 100

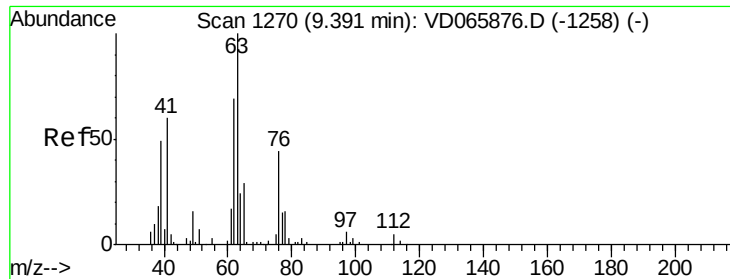
95 96.4 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

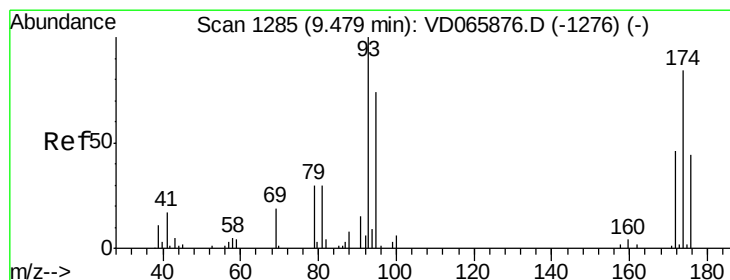
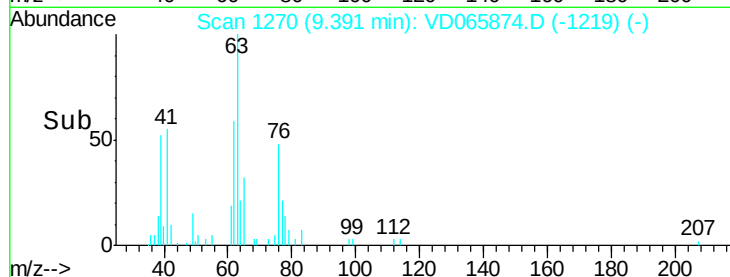
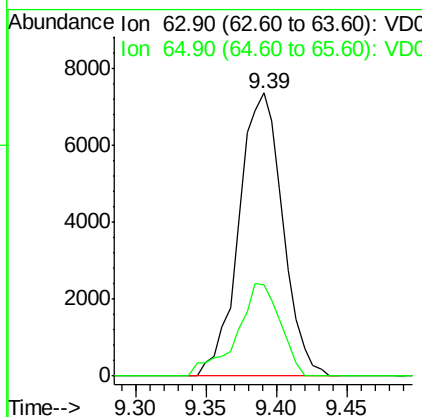
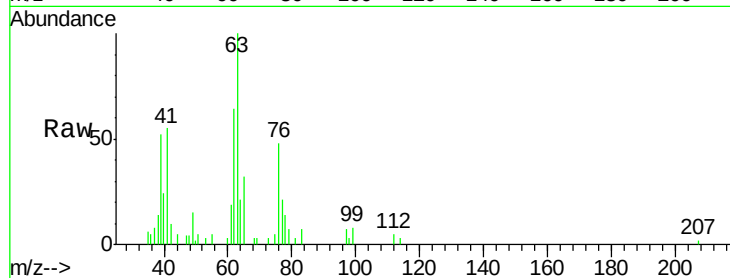




#45
 1,2-Dichloropropane
 Concen: 10.212 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

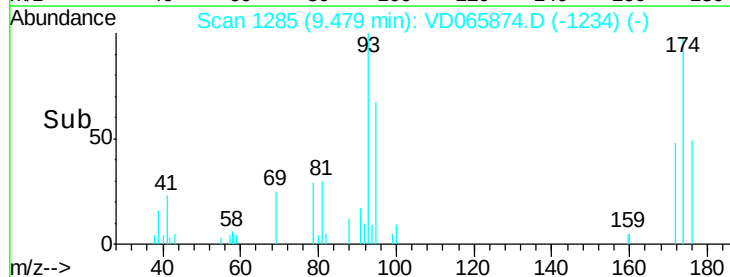
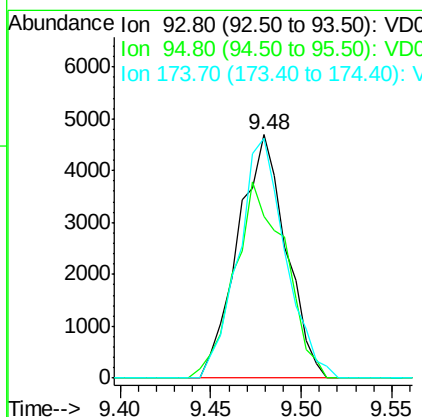
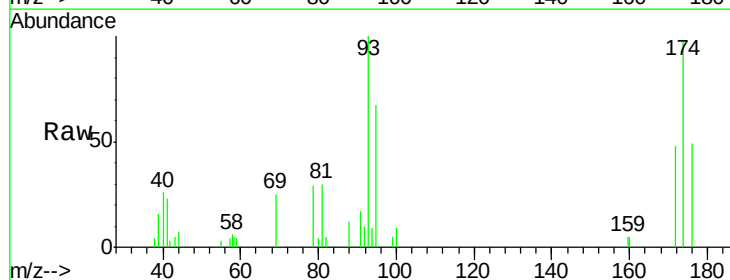
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

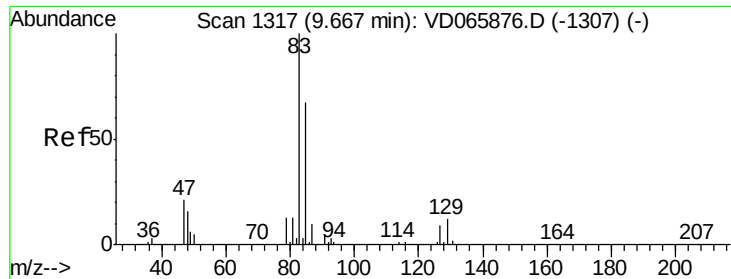
Tot Ion: 63 Resp: 15999
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.4 35.0



#46
 Dibromomethane
 Concen: 10.279 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Tgt Ion: 93 Resp: 8676
 Ion Ratio Lower Upper
 93 100
 95 85.1 65.4 98.0
 174 96.4 75.2 112.8





#47

Bromodichloromethane

Concen: 9.691 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

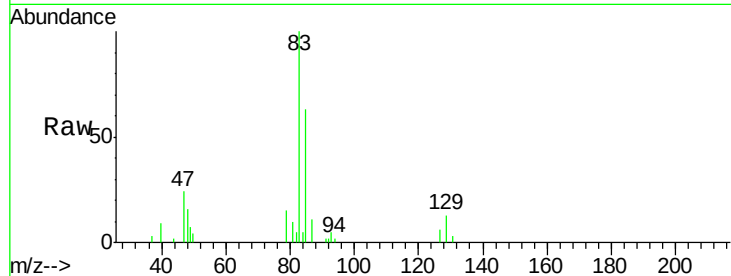
Tot Ion: 83 Resp: 22273

Ion Ratio Lower Upper

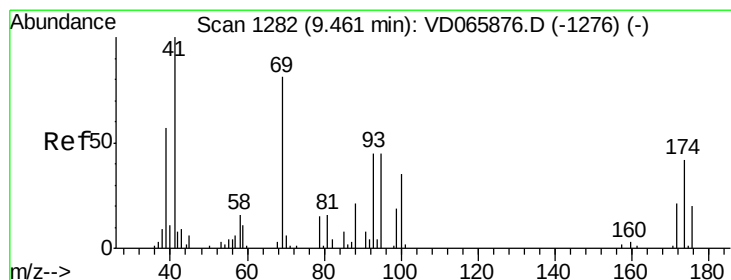
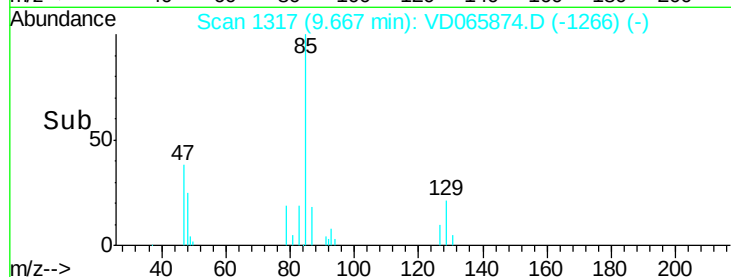
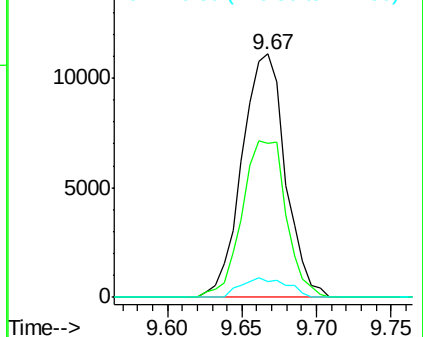
83 100

85 63.1 53.9 80.9

127 6.3 7.0 10.4#



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



#48

Methyl methacrylate

Concen: 10.383 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

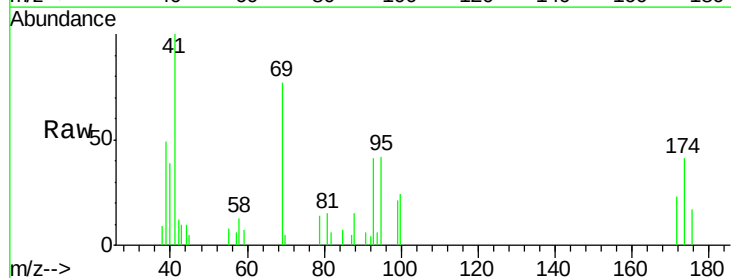
Tgt Ion: 41 Resp: 8825

Ion Ratio Lower Upper

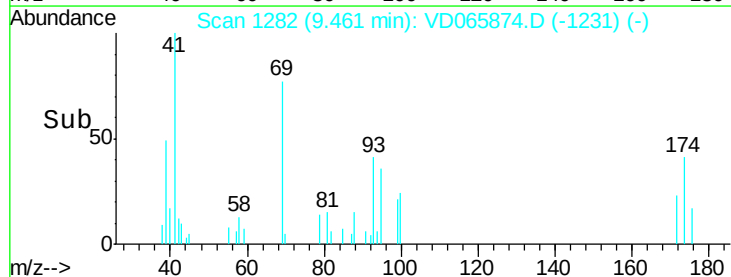
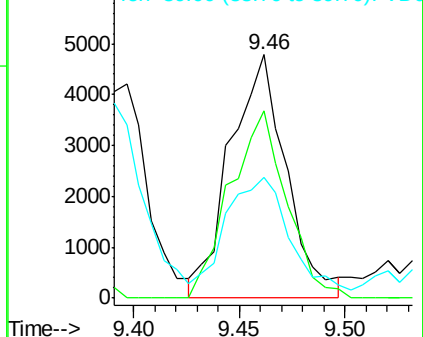
41 100

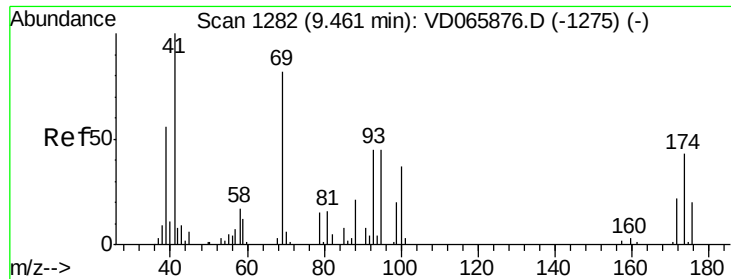
69 77.5 68.3 102.5

39 51.7 54.1 81.1#



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

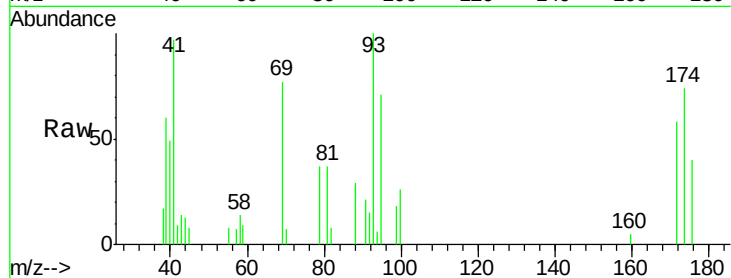




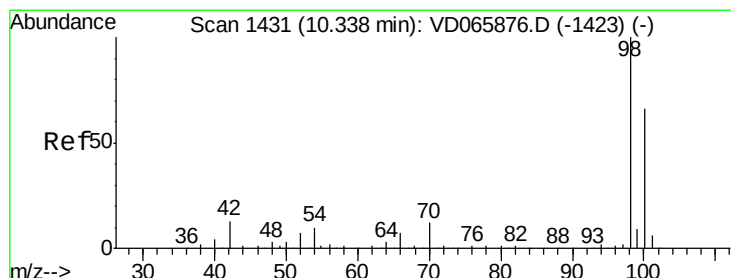
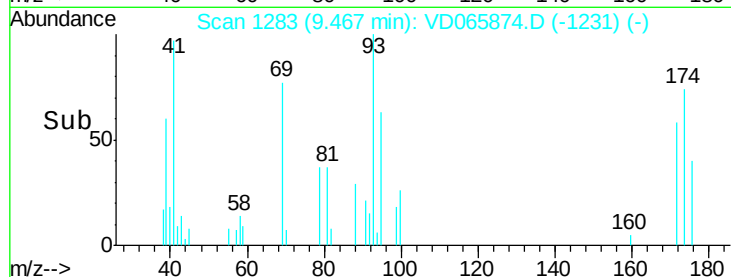
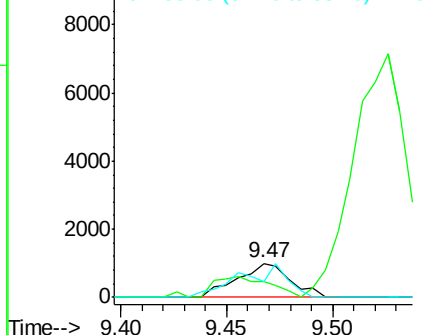
#49
1,4-Dioxane
Concen: 184.111 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 1729
Ion Ratio Lower Upper
88 100
43 67.7 35.8 53.8#
58 54.0 58.6 87.8#

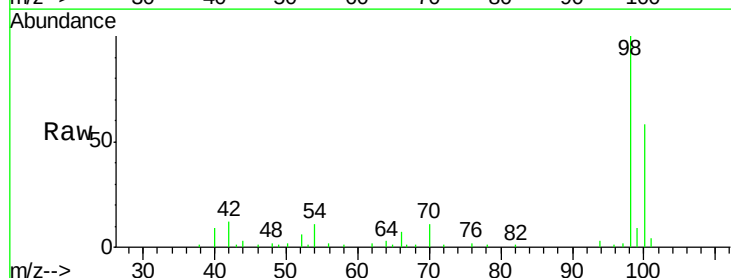


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

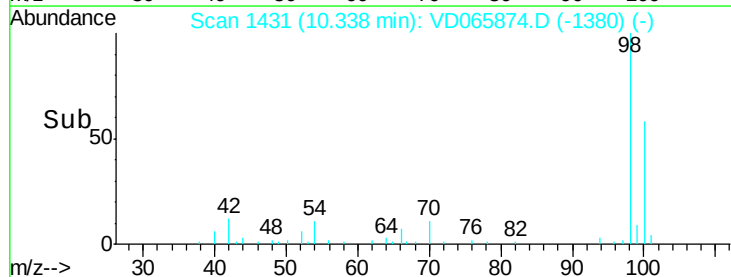
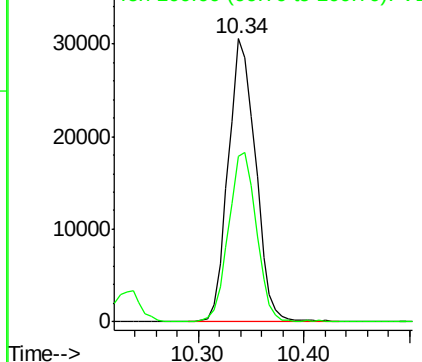


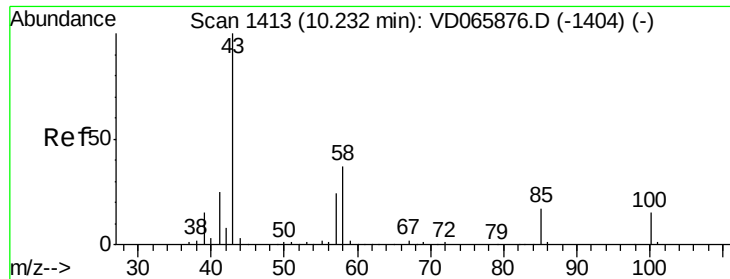
#50
Toluene-d8
Concen: 9.809 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion: 98 Resp: 54580
Ion Ratio Lower Upper
98 100
100 60.9 52.3 78.5



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: 45.115 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

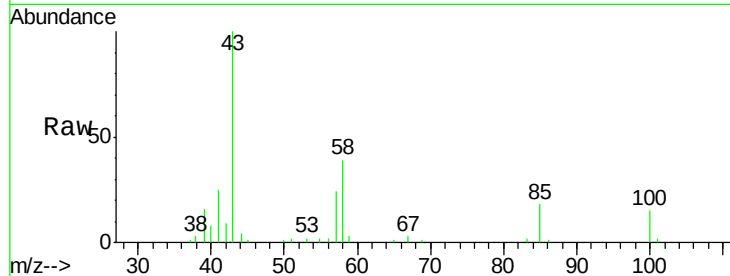
VSTDIC010

Tot Ion: 43 Resp: 39608

Ion Ratio Lower Upper

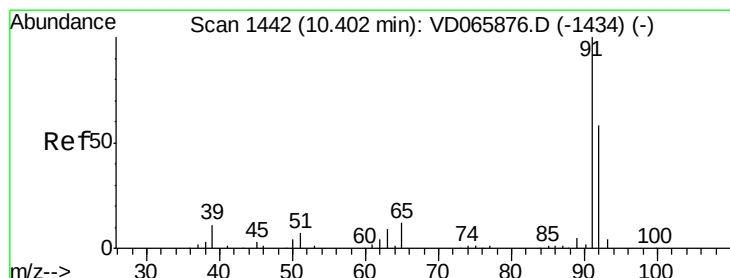
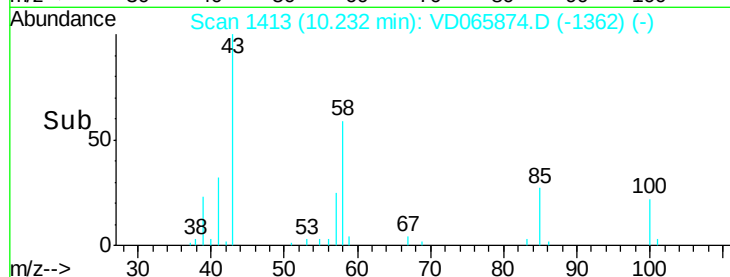
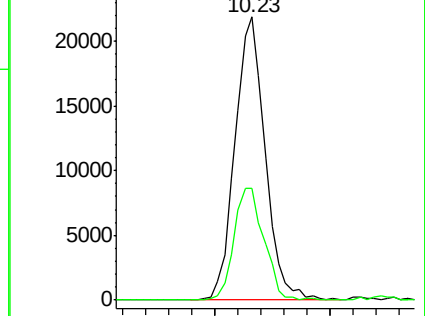
43 100

58 38.9 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 9.610 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065874.D

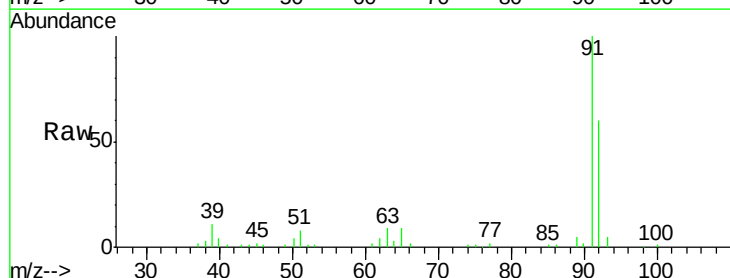
Acq: 26 Jun 2020 11:11

Tgt Ion: 92 Resp: 40049

Ion Ratio Lower Upper

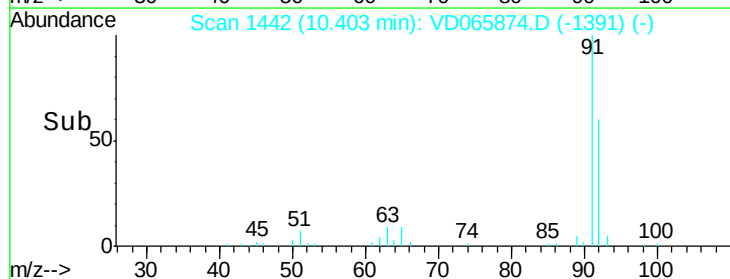
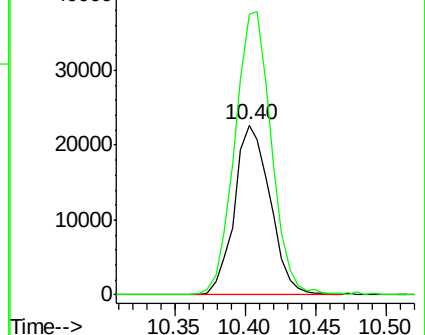
92 100

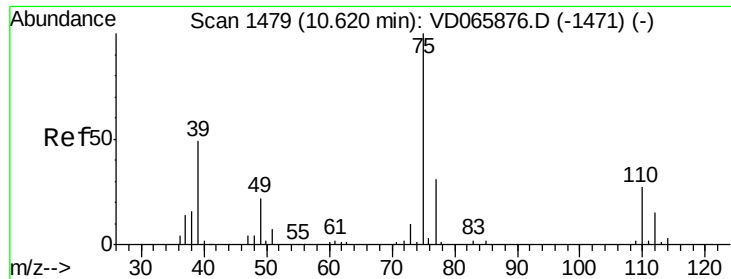
91 170.8 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

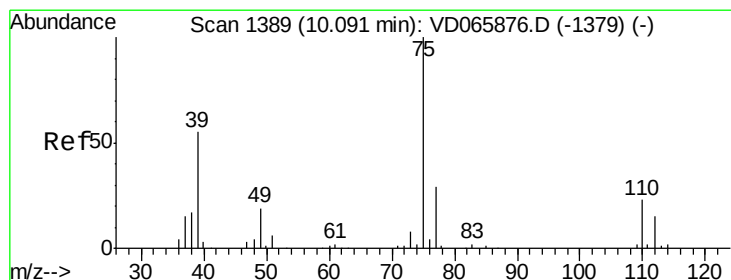
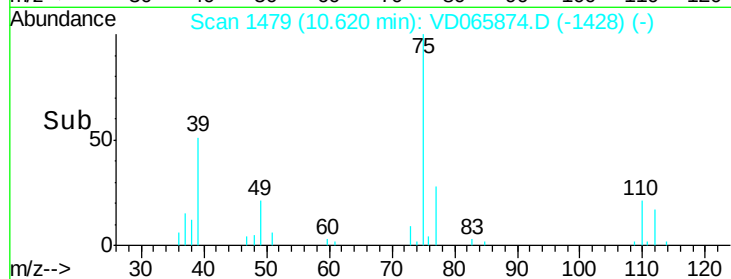
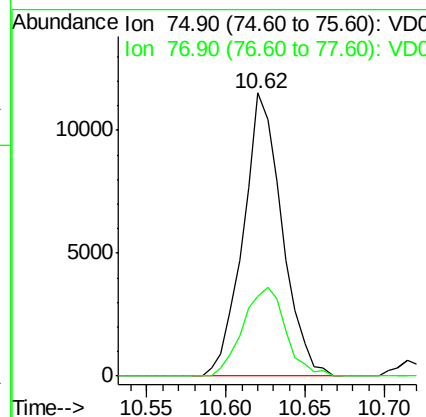
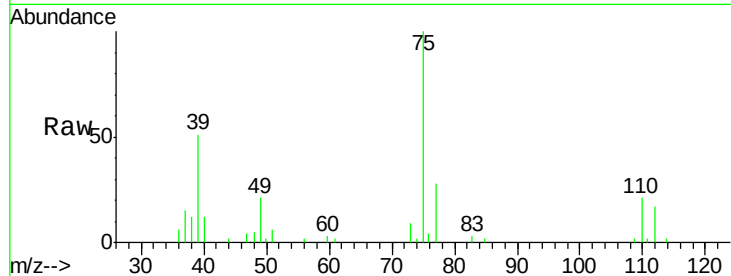




#53
t-1,3-Dichloropropene
Concen: 9.239 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

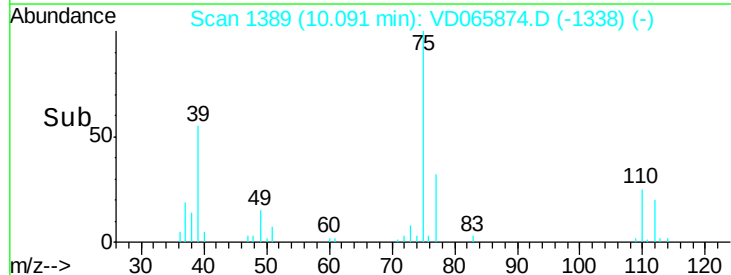
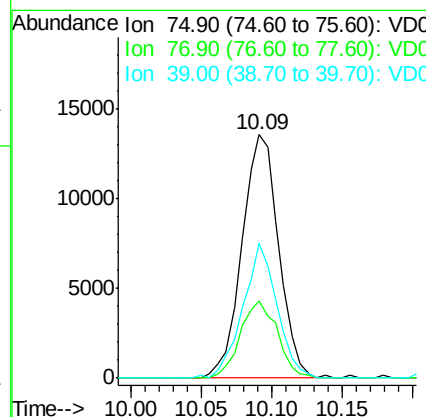
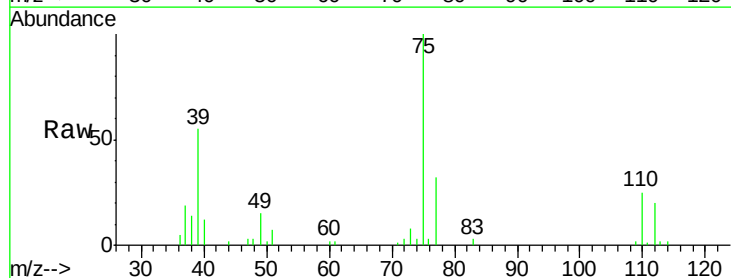
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

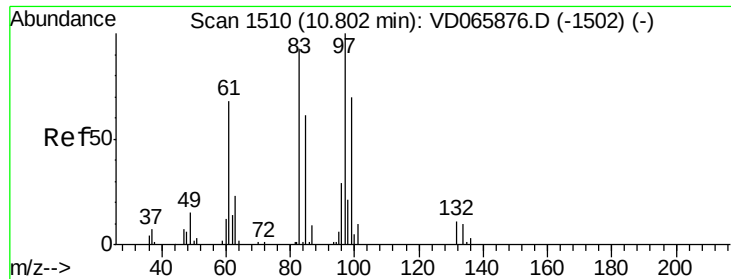
Tot Ion: 75 Resp: 19599
Ion Ratio Lower Upper
75 100
77 28.1 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 9.697 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion: 75 Resp: 24613
Ion Ratio Lower Upper
75 100
77 31.5 23.4 35.0
39 55.3 43.9 65.9

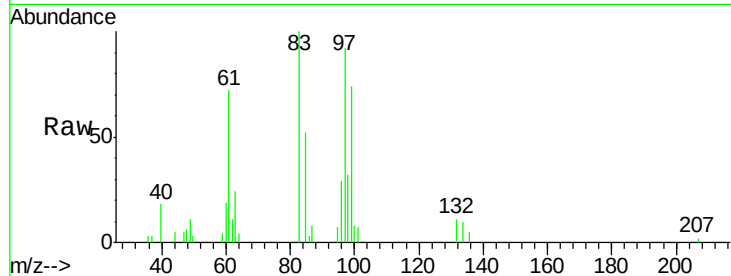




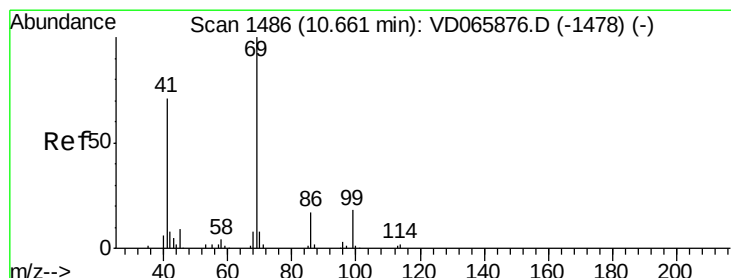
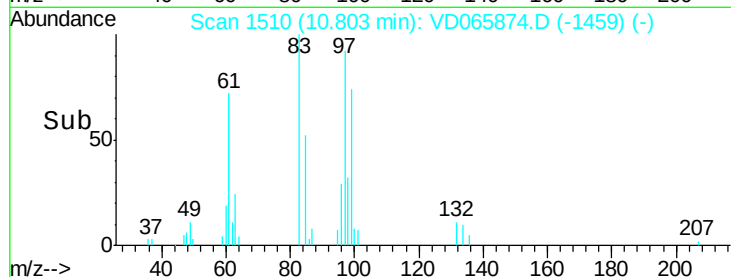
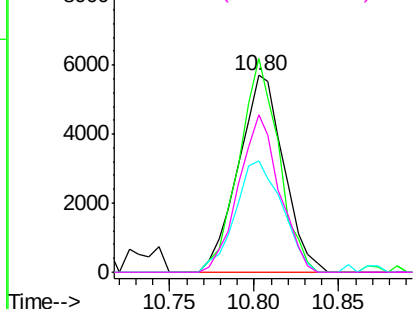
#55
 1,1,2-Trichloroethane
 Concen: 9.398 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 97 Resp: 10643
 Ion Ratio Lower Upper
 97 100
 83 108.6 74.2 111.4
 85 56.5 48.8 73.2
 99 80.1 55.9 83.9

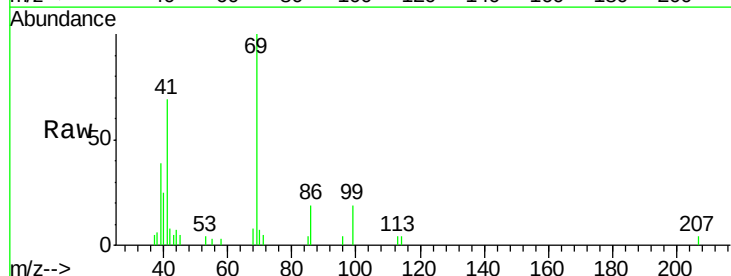


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

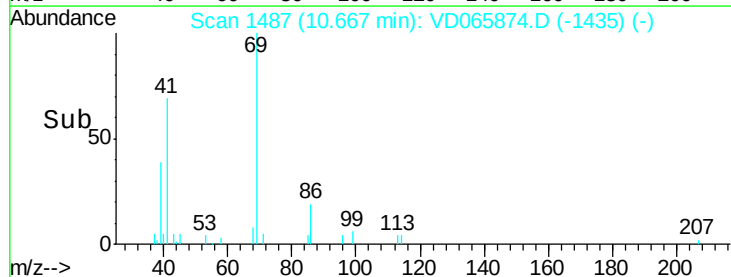
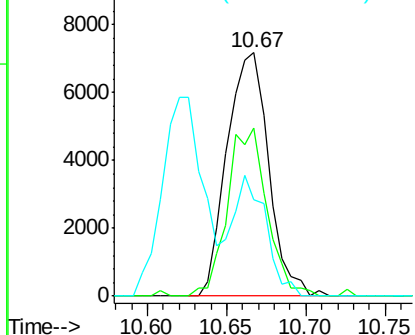


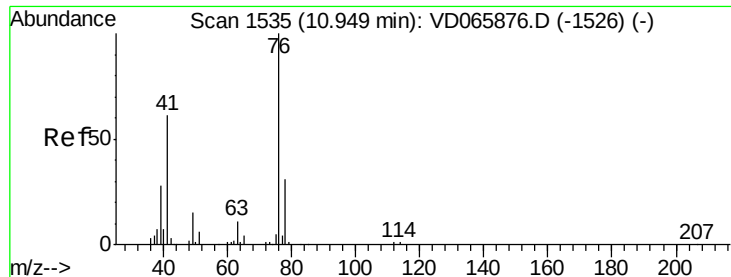
#56
 Ethyl methacrylate
 Concen: 9.310 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Tgt Ion: 69 Resp: 13064
 Ion Ratio Lower Upper
 69 100
 41 65.7 55.4 83.2
 39 41.0 33.0 49.4



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





#57

1,3-Dichloropropane

Concen: 9.828 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

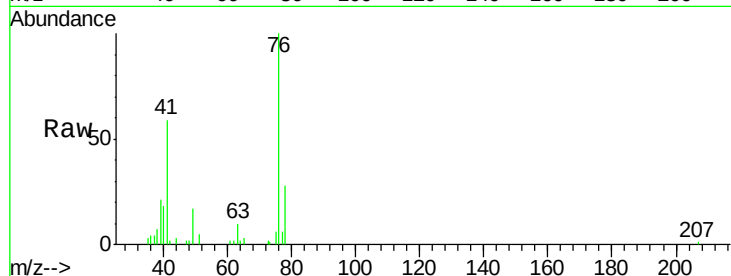
VSTDIC010

Tot Ion: 76 Resp: 19734

Ion Ratio Lower Upper

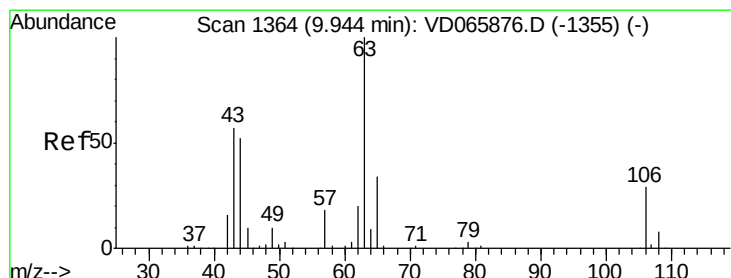
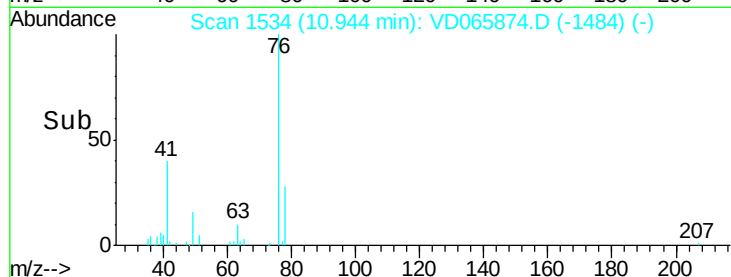
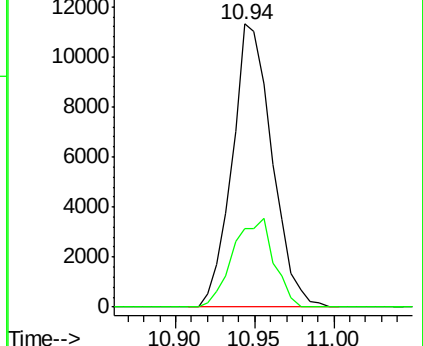
76 100

78 32.1 25.1 37.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 48.746 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065874.D

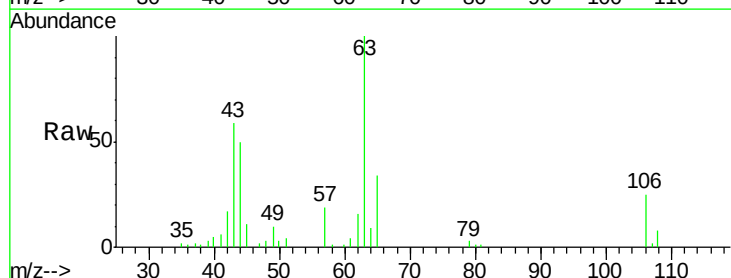
Acq: 26 Jun 2020 11:11

Tgt Ion: 63 Resp: 29940

Ion Ratio Lower Upper

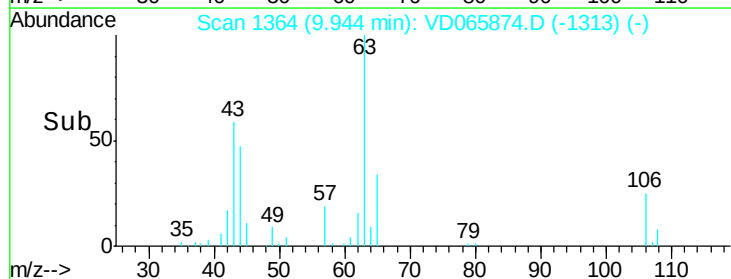
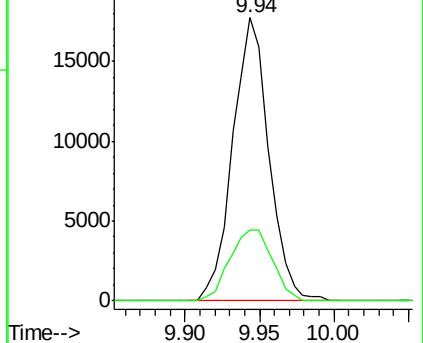
63 100

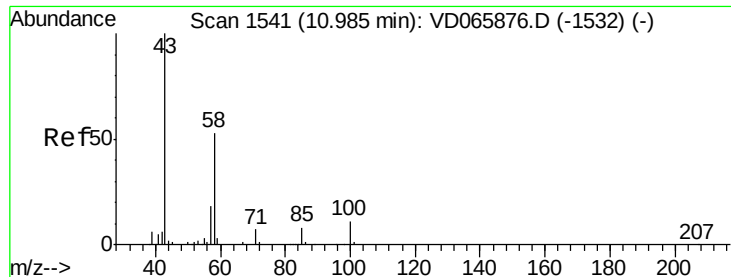
106 29.4 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

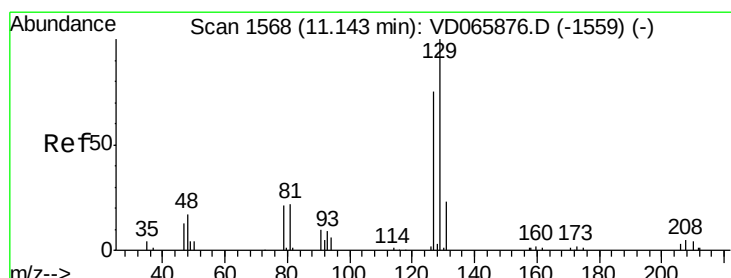
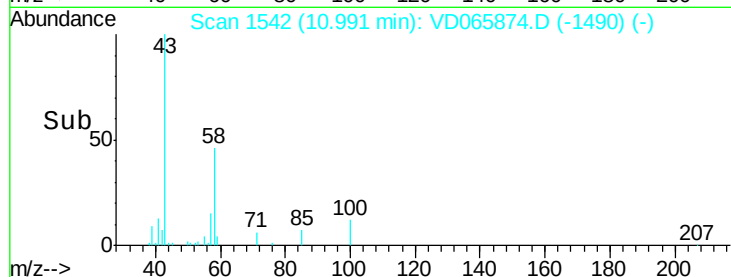
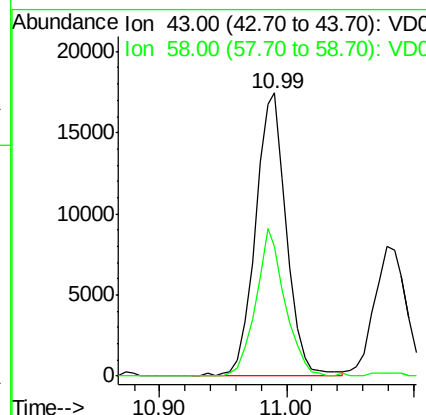
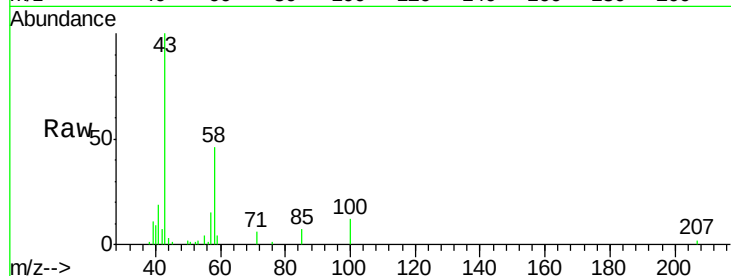




#59
2-Hexanone
Concen: 47.687 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

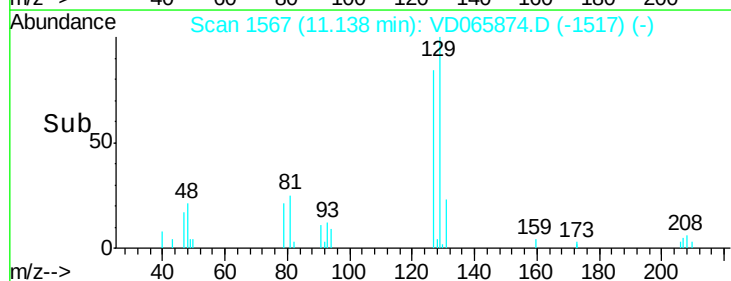
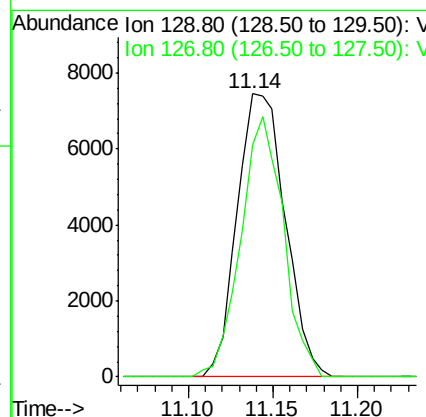
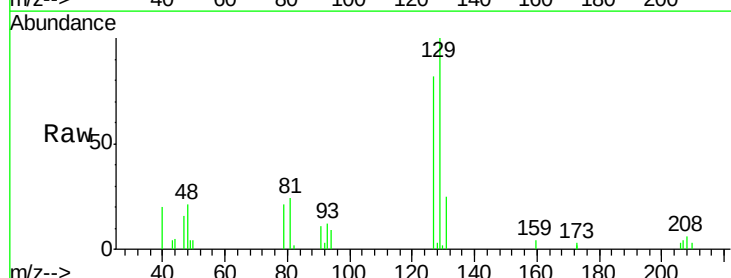
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

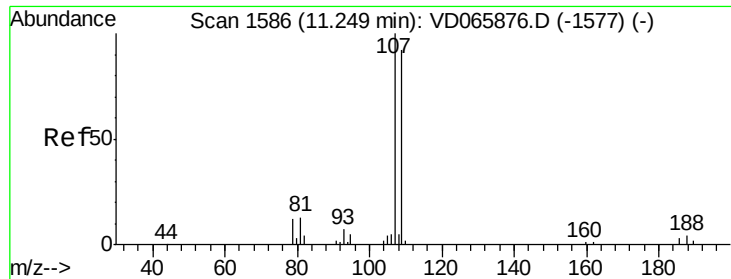
Tot Ion: 43 Resp: 29597
Ion Ratio Lower Upper
43 100
58 48.8 26.1 78.3



#60
Dibromochloromethane
Concen: 9.638 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion: 129 Resp: 14720
Ion Ratio Lower Upper
129 100
127 81.5 39.1 117.2

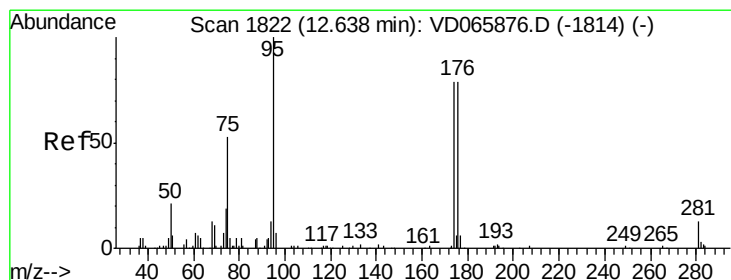
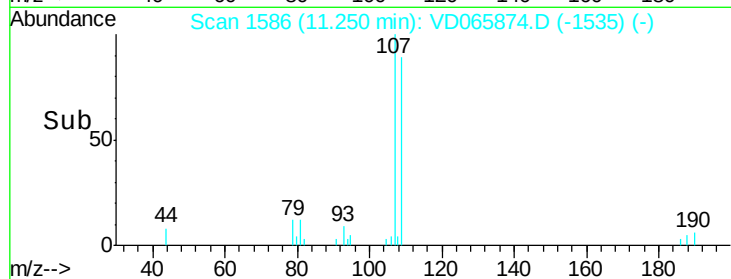
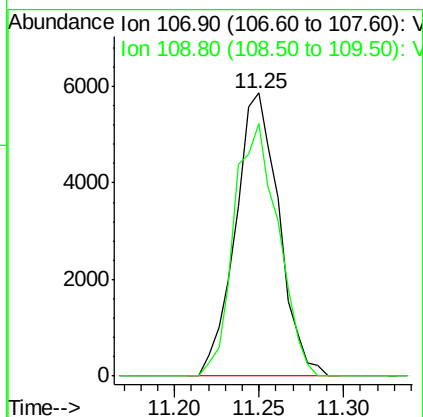
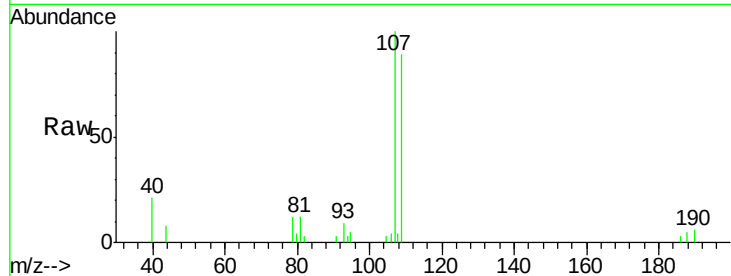




#61
 1,2-Dibromoethane
 Concen: 9.522 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

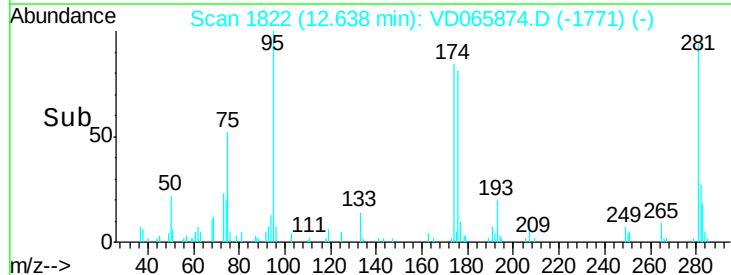
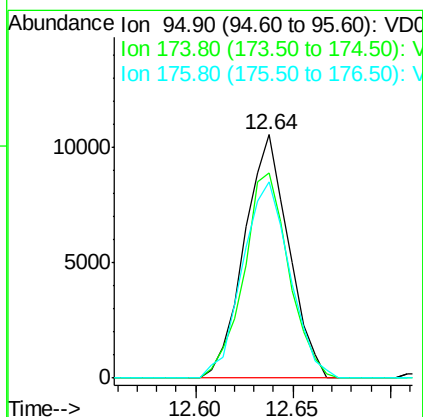
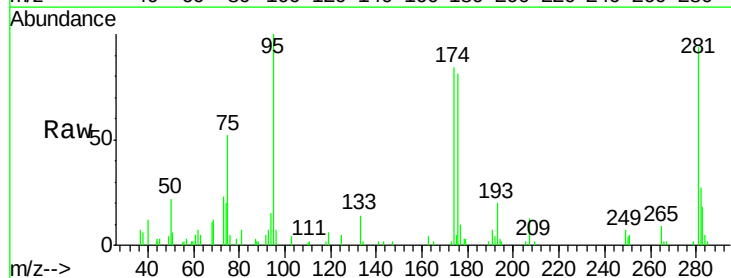
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

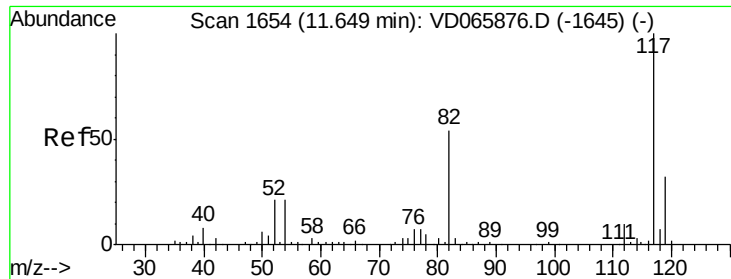
Tot Ion:107 Resp: 10482
 Ion Ratio Lower Upper
 107 100
 109 90.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 9.048 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Tgt Ion: 95 Resp: 16552
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 158.4
 176 86.4 0.0 156.0

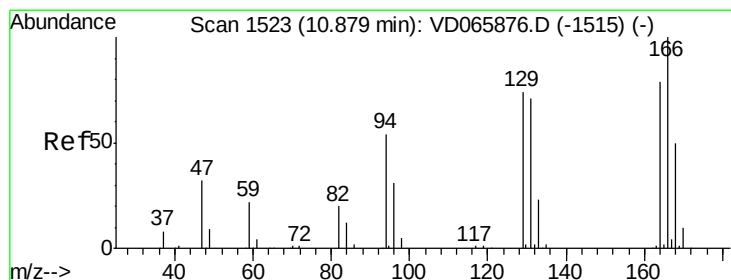
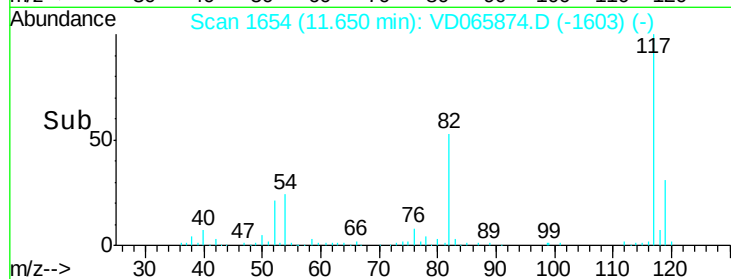
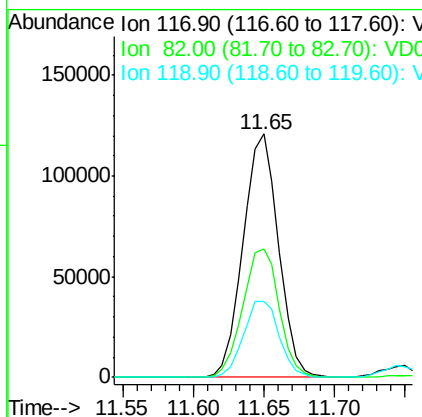
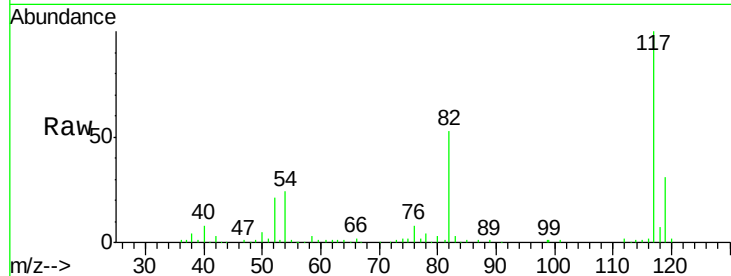




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

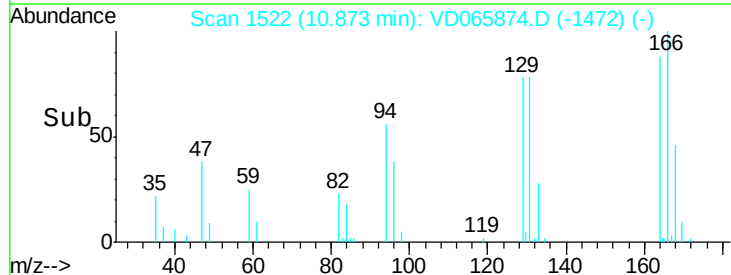
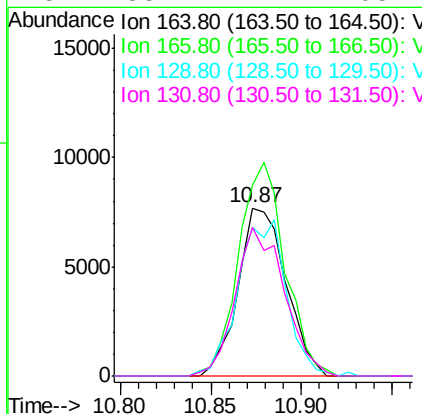
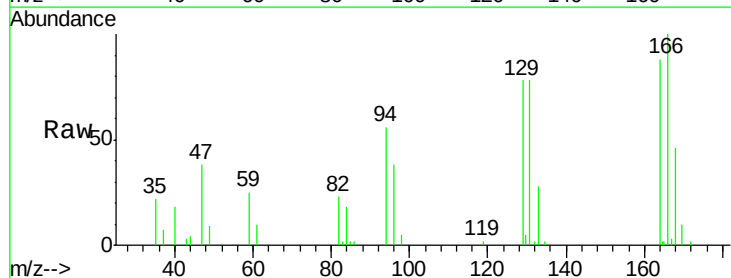
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

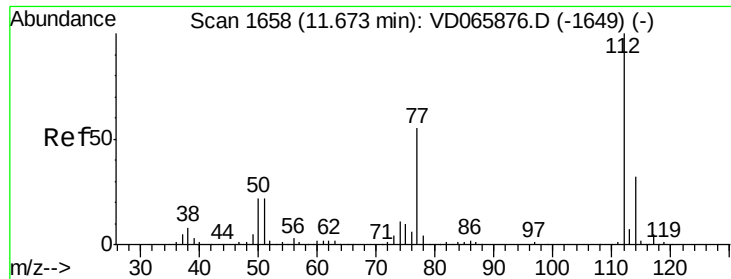
Tot Ion:117 Resp: 212746
Ion Ratio Lower Upper
117 100
82 52.6 43.6 65.4
119 30.9 25.9 38.9



#64
Tetrachloroethene
Concen: 10.208 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion:164 Resp: 14119
Ion Ratio Lower Upper
164 100
166 113.3 101.3 151.9
129 88.6 74.5 111.7
131 88.1 72.2 108.4





#65

Chlorobenzene

Concen: 9.861 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

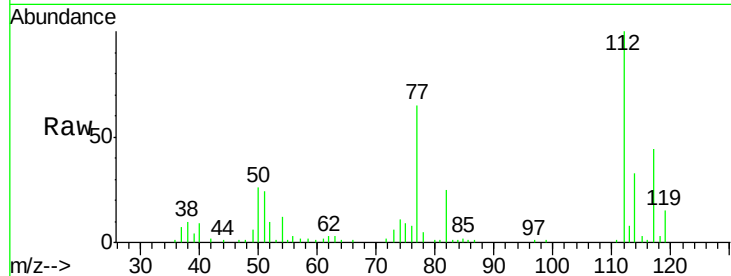
VSTDIC010

Tot Ion:112 Resp: 41373

Ion Ratio Lower Upper

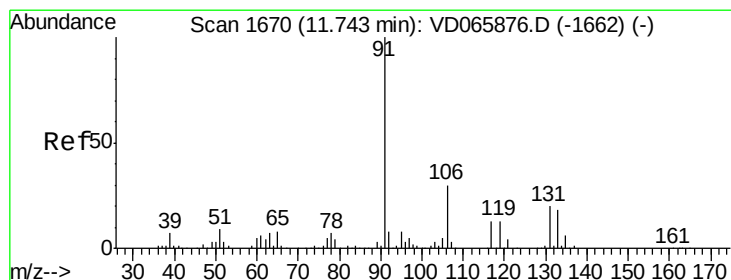
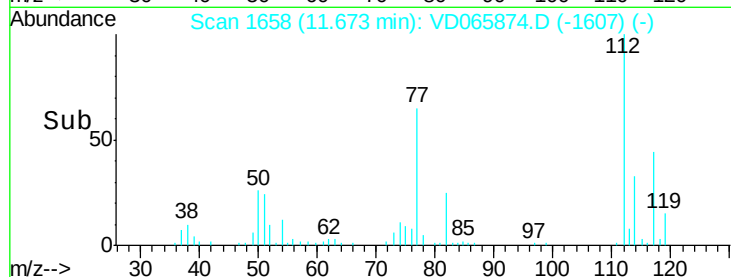
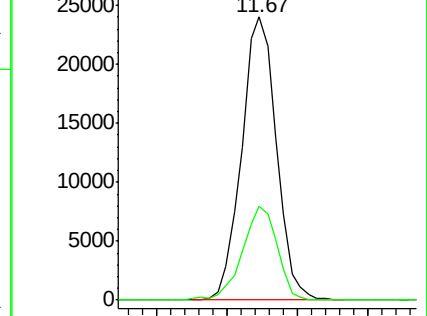
112 100

114 33.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.611 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

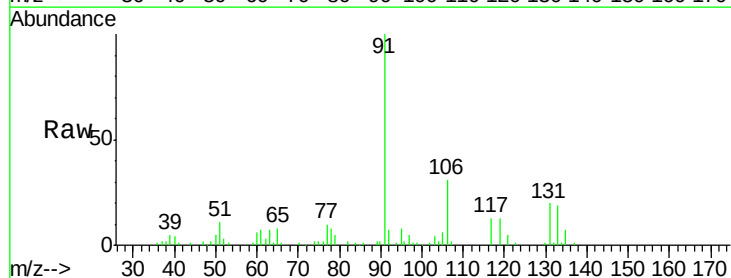
Tgt Ion:131 Resp: 14938

Ion Ratio Lower Upper

131 100

133 100.4 48.1 144.3

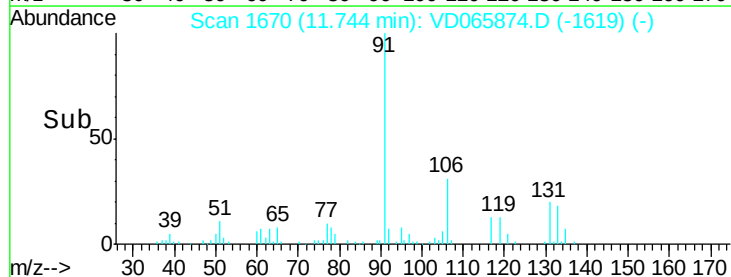
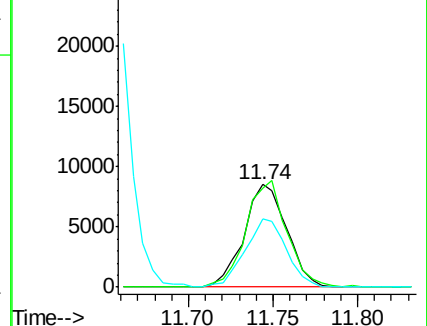
119 64.7 33.0 98.9

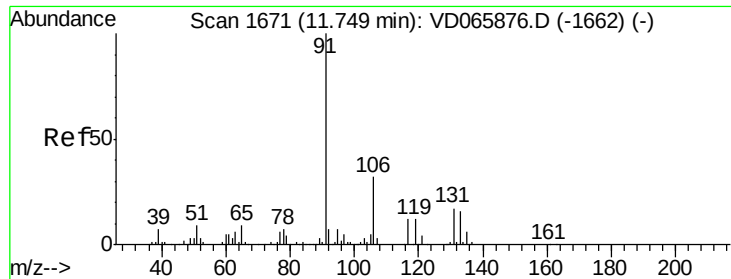


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

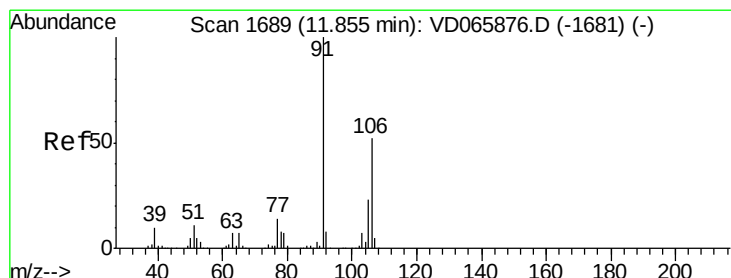
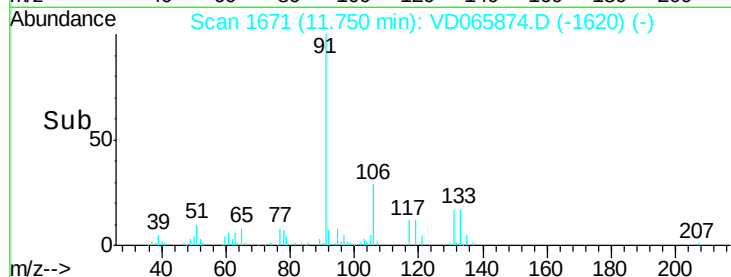
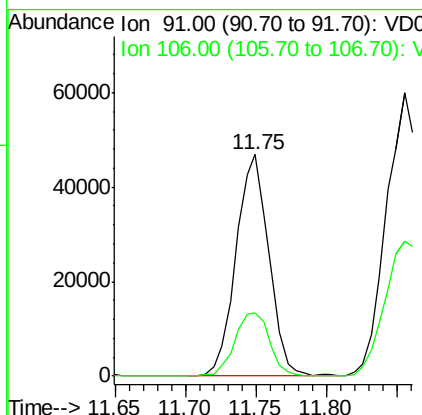
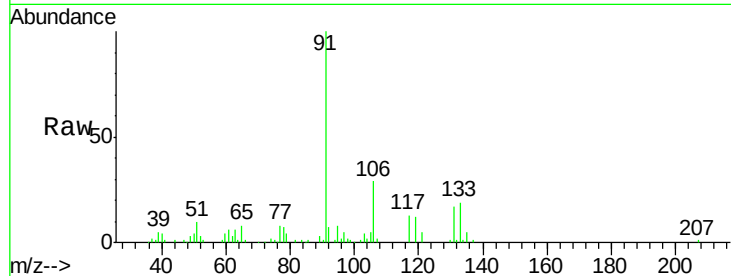




#67
Ethyl Benzene
Concen: 9.793 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

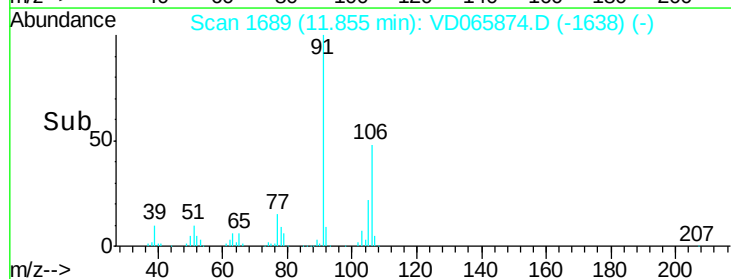
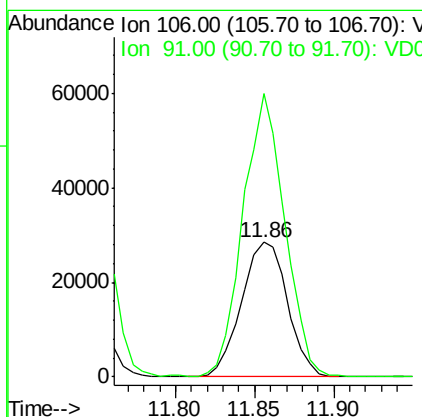
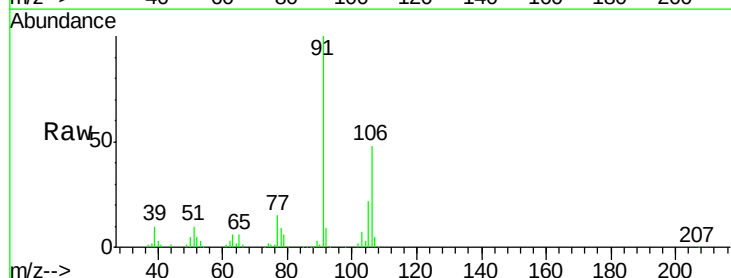
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

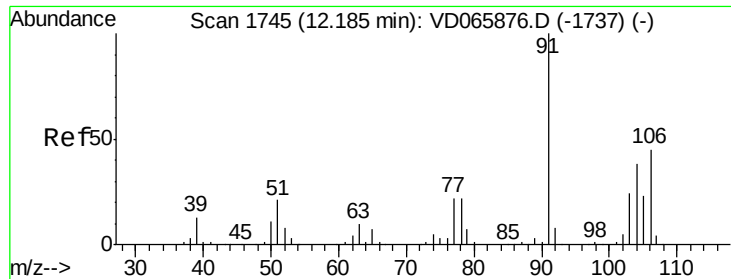
Tot Ion: 91 Resp: 76186
Ion Ratio Lower Upper
91 100
106 28.7 25.3 37.9



#68
m/p-Xylenes
Concen: 19.349 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion: 106 Resp: 57424
Ion Ratio Lower Upper
106 100
91 191.4 159.5 239.3

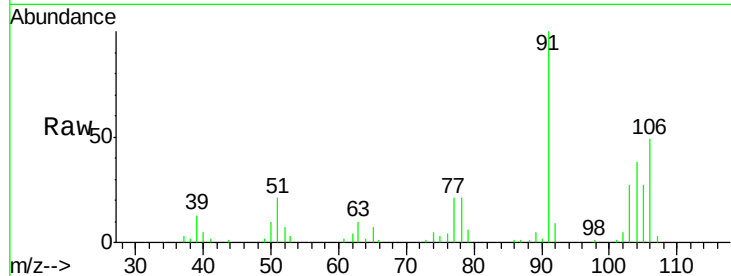




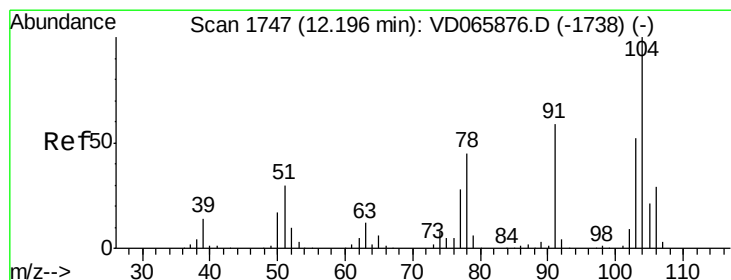
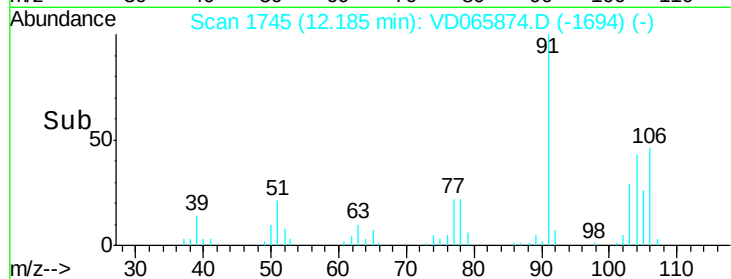
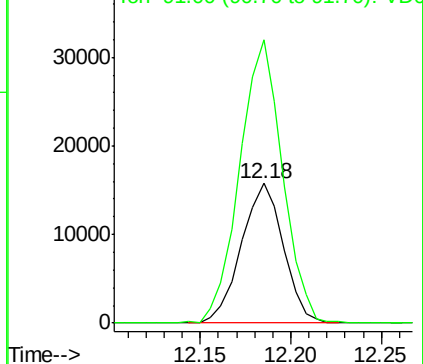
#69
o-Xylene
Concen: 9.522 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 25325
Ion Ratio Lower Upper
106 100
91 207.0 107.5 322.6

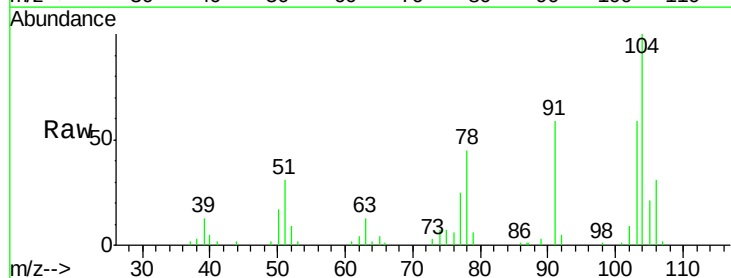


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

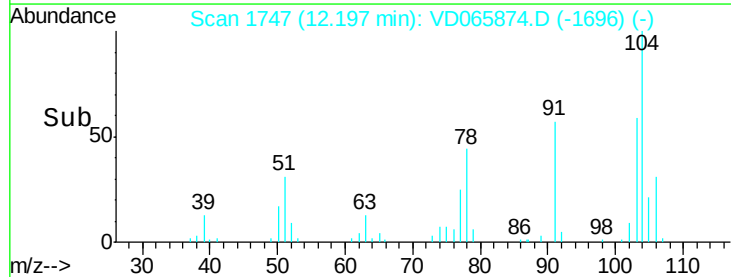
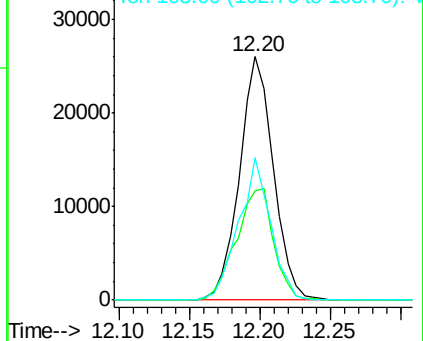


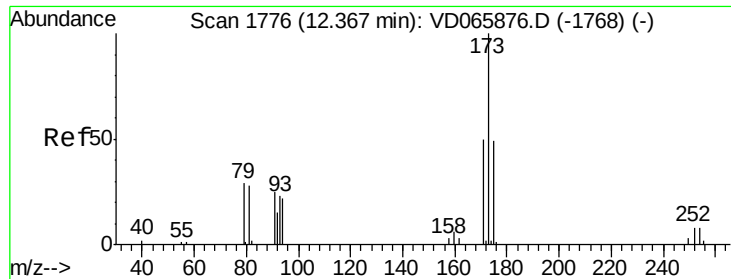
#70
Styrene
Concen: 9.406 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion:104 Resp: 43782
Ion Ratio Lower Upper
104 100
78 50.6 39.8 59.6
103 55.4 44.6 66.8



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

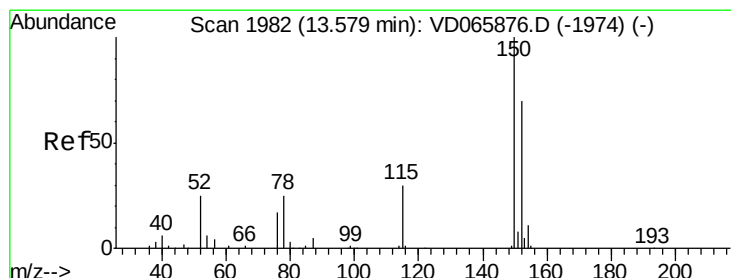
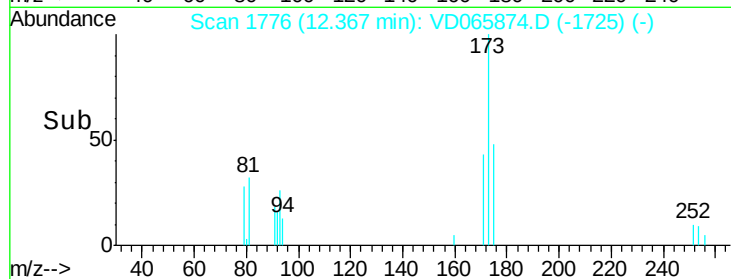
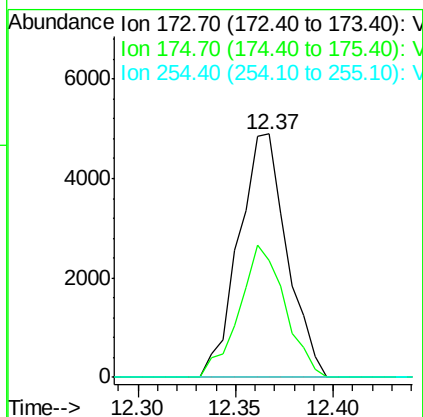
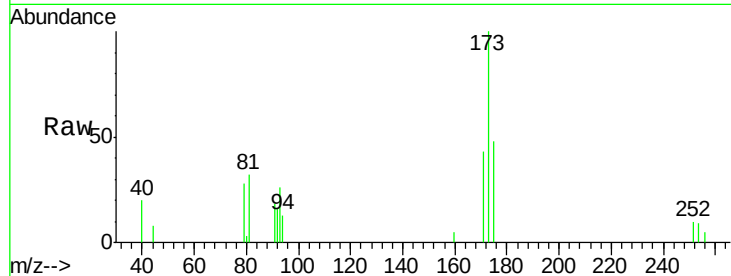




#71
Bromoform
Concen: 10.116 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

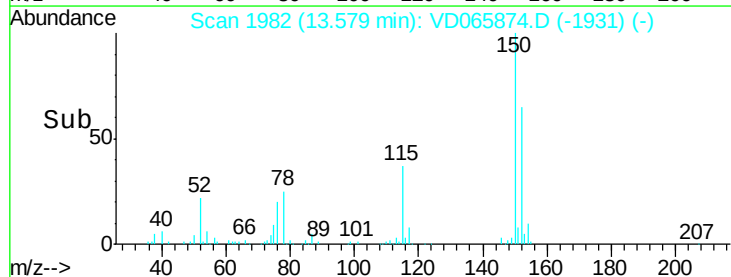
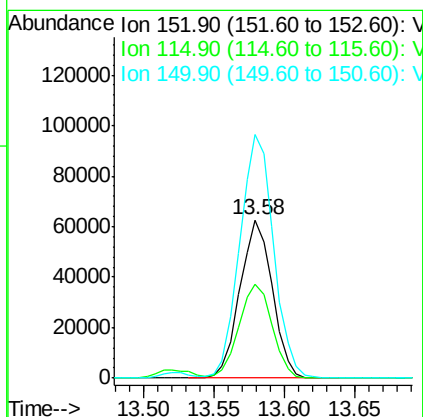
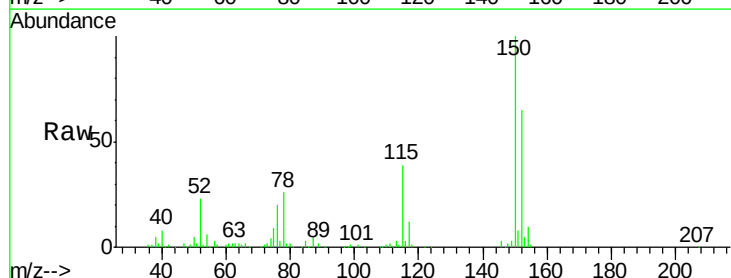
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

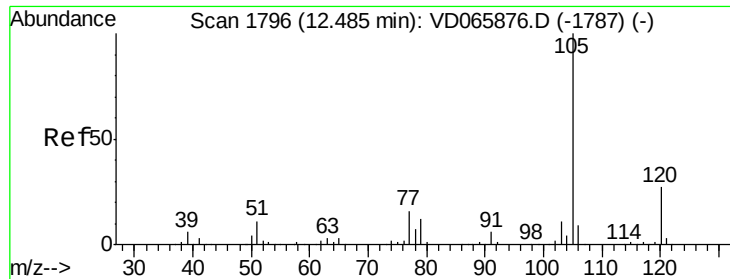
Tot Ion:173 Resp: 8376
Ion Ratio Lower Upper
173 100
175 51.5 23.9 71.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion:152 Resp: 100839
Ion Ratio Lower Upper
152 100
115 60.7 29.7 89.1
150 160.0 0.0 346.2





#73

Isopropylbenzene

Concen: 9.718 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

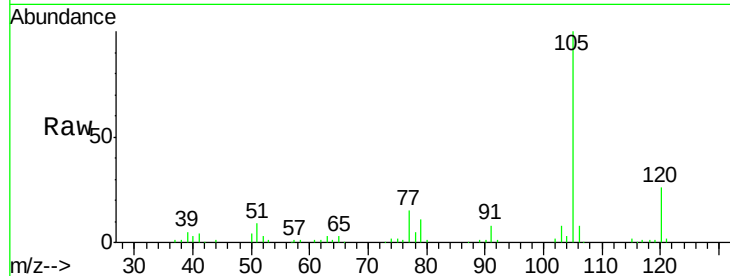
VSTDIC010

Tot Ion:105 Resp: 70083

Ion Ratio Lower Upper

105 100

120 25.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

50000

40000

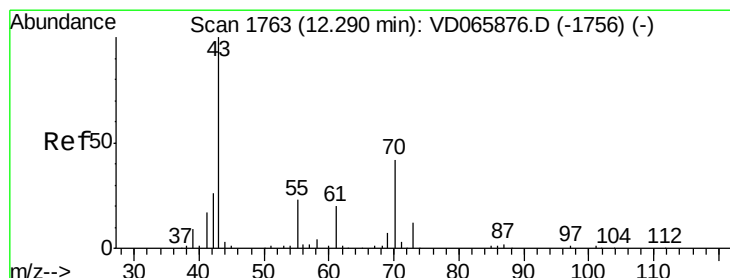
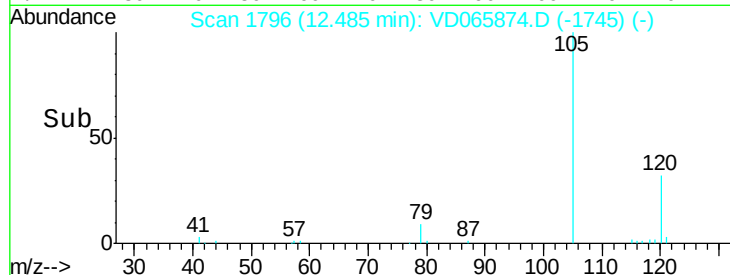
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 9.786 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Tgt Ion: 43 Resp: 15410

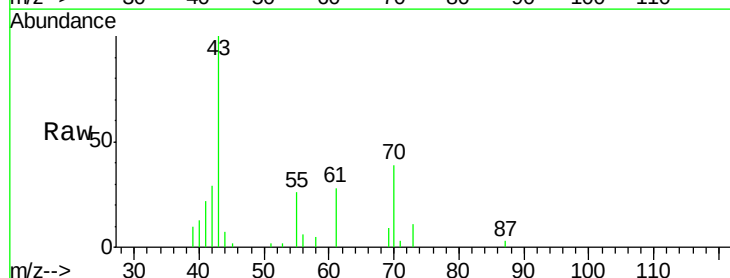
Ion Ratio Lower Upper

43 100

70 36.9 32.5 48.7

55 24.8 18.7 28.1

61 21.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

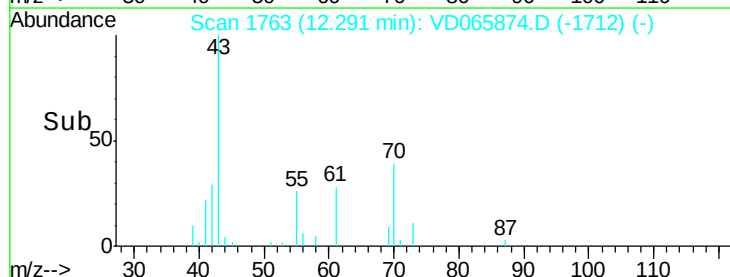
12.29

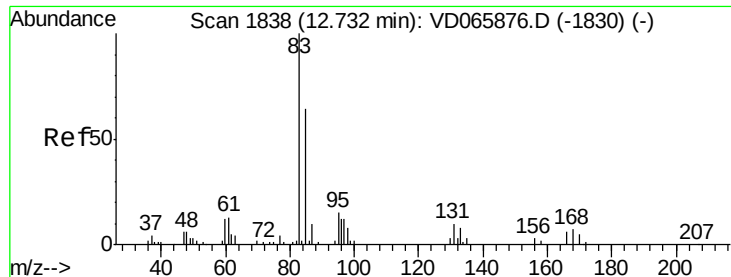
10000

5000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 10.102 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

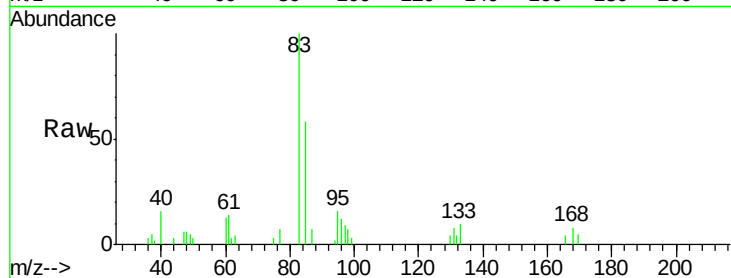
Tot Ion: 83 Resp: 12011

Ion Ratio Lower Upper

83 100

131 6.9 5.5 16.4

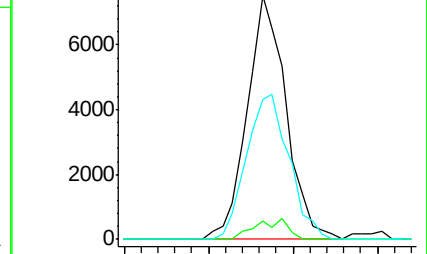
85 65.1 32.3 96.9



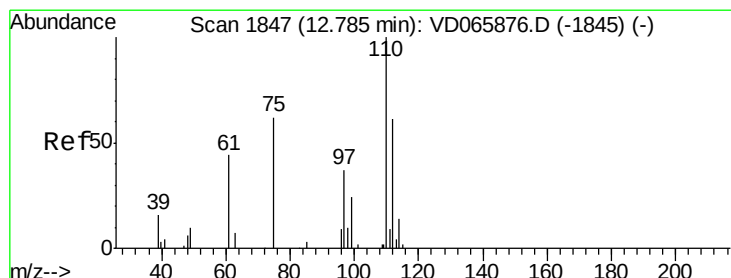
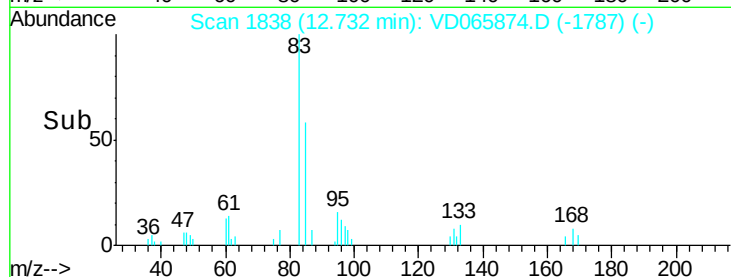
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 12.807 ug/l m

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD065874.D

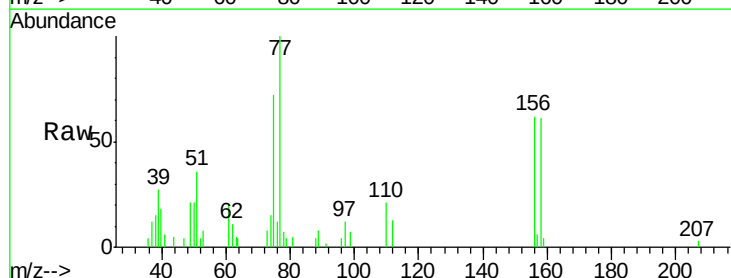
Acq: 26 Jun 2020 11:11

Tgt Ion: 75 Resp: 10707

Ion Ratio Lower Upper

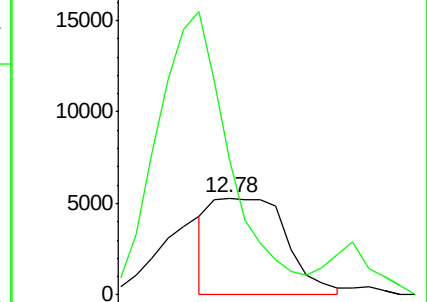
75 100

77 278.4 168.5 505.5

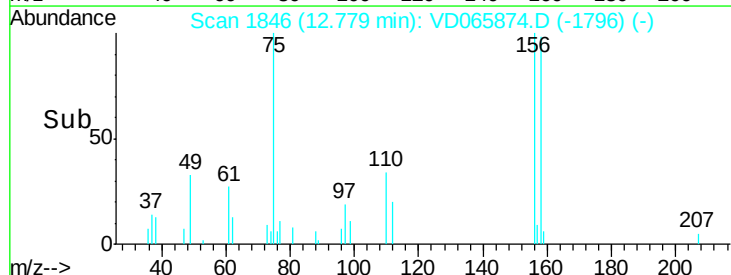


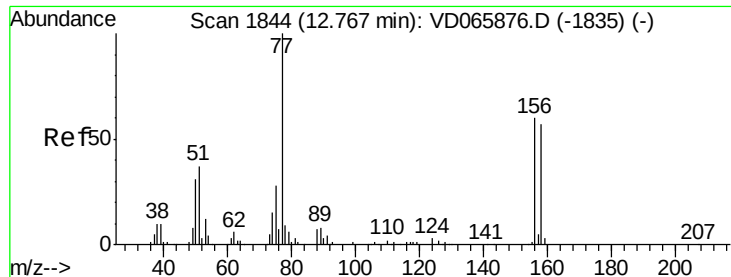
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.75 12.80





#77

Bromobenzene

Concen: 9.811 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

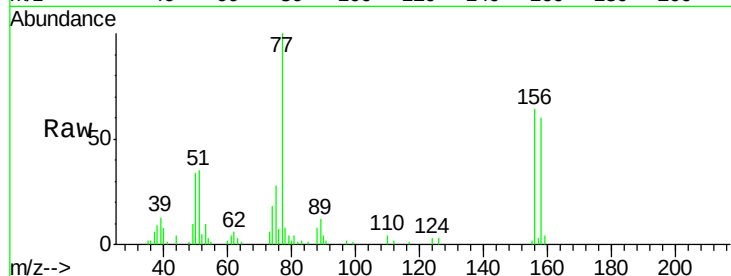
Tot Ion:156 Resp: 15926

Ion Ratio Lower Upper

156 100

77 187.1 90.5 271.5

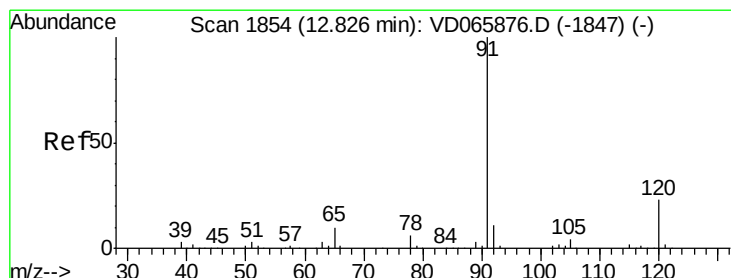
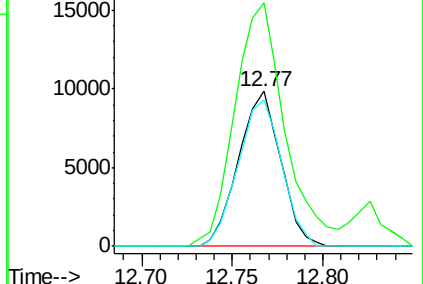
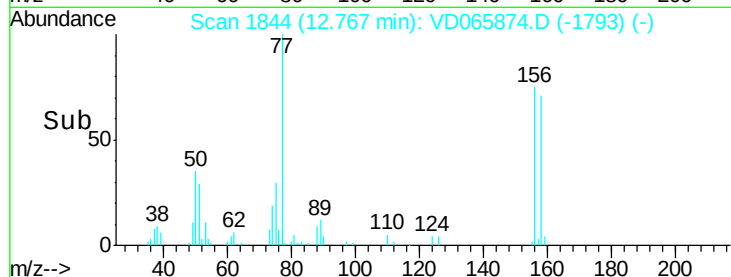
158 97.7 48.2 144.6



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: 9.532 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065874.D

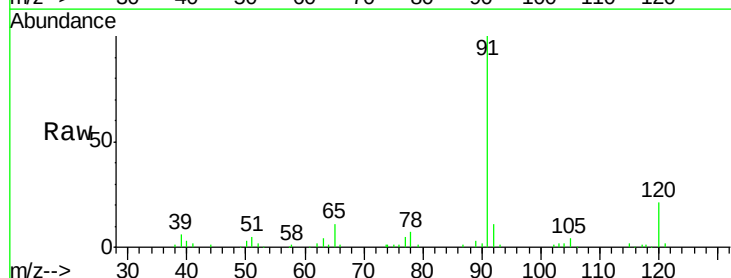
Acq: 26 Jun 2020 11:11

Tgt Ion: 91 Resp: 83010

Ion Ratio Lower Upper

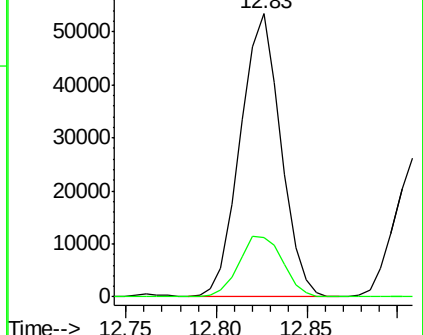
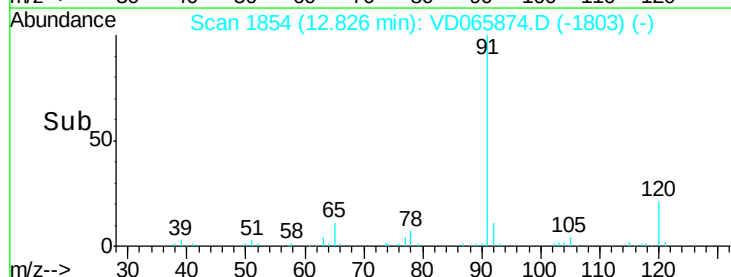
91 100

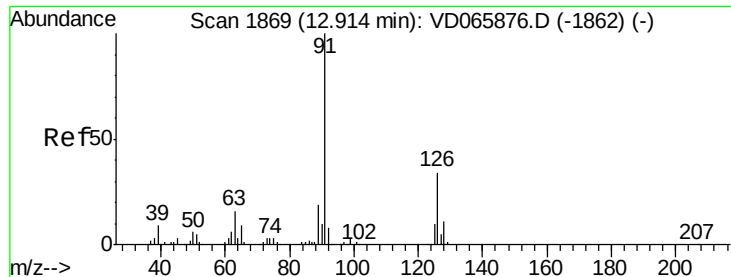
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.894 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

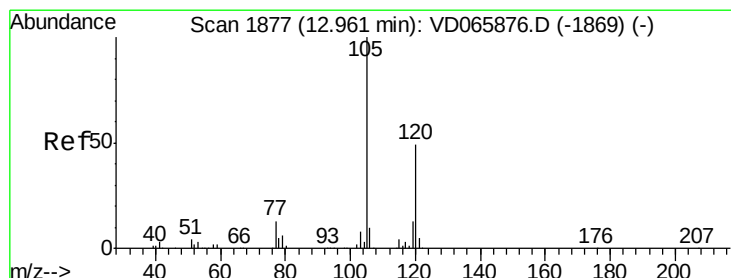
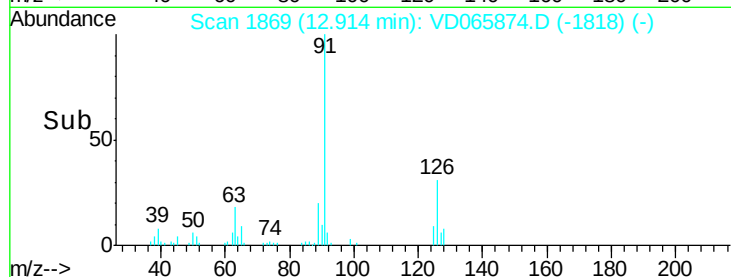
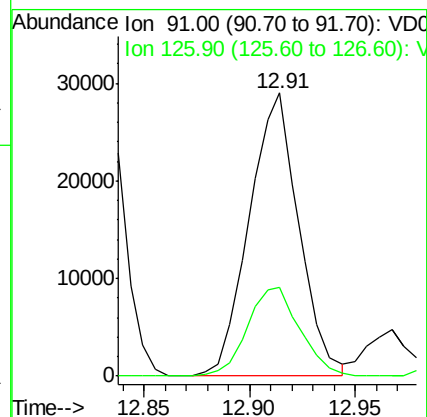
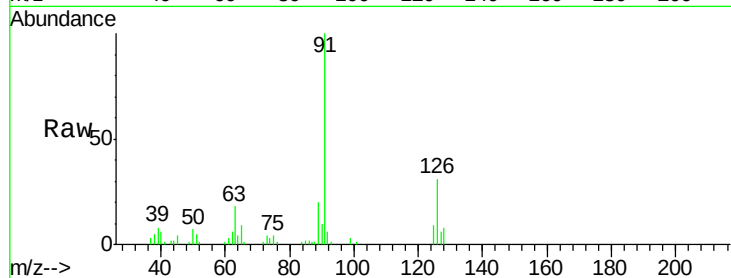
VSTDIC010

Tot Ion: 91 Resp: 47348

Ion Ratio Lower Upper

91 100

126 33.1 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 9.522 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065874.D

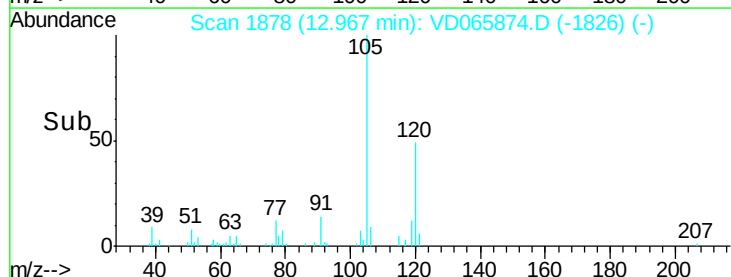
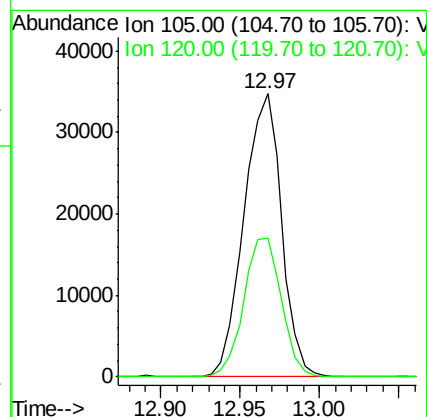
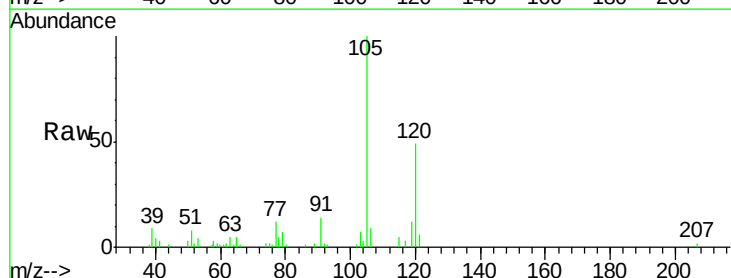
Acq: 26 Jun 2020 11:11

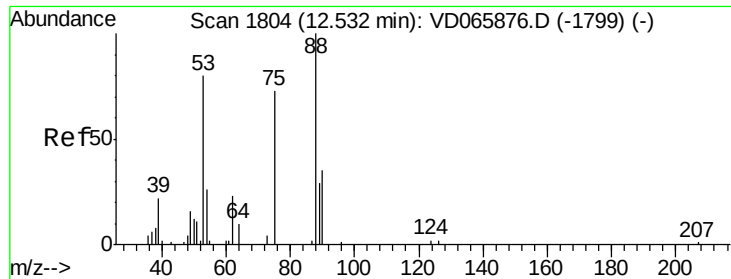
Tgt Ion: 105 Resp: 57215

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8

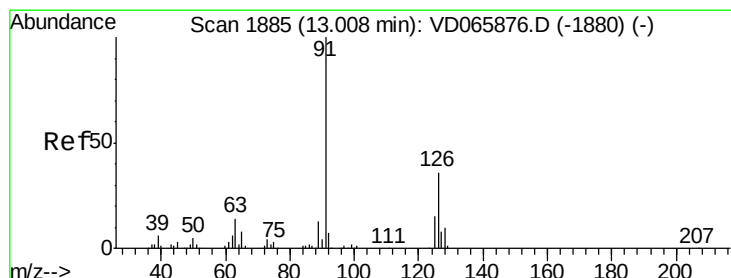
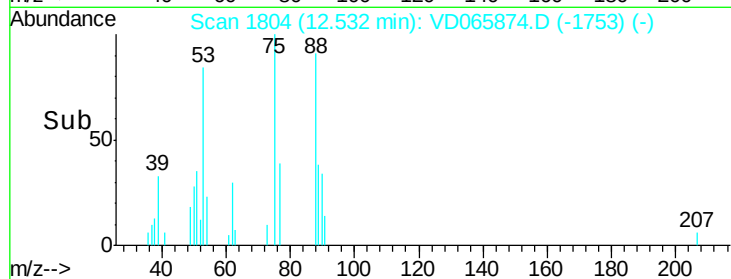
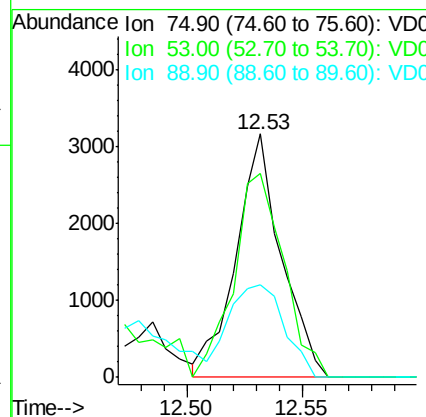
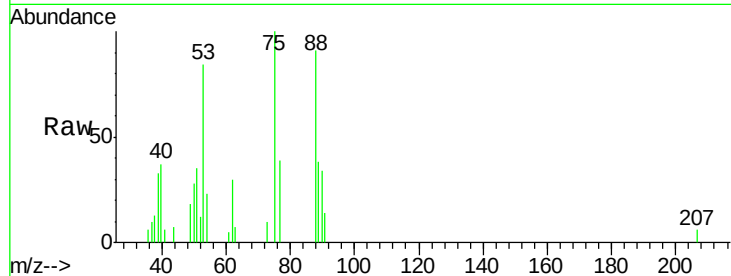




#81
trans-1,4-Dichloro-2-butene
Concen: 10.649 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

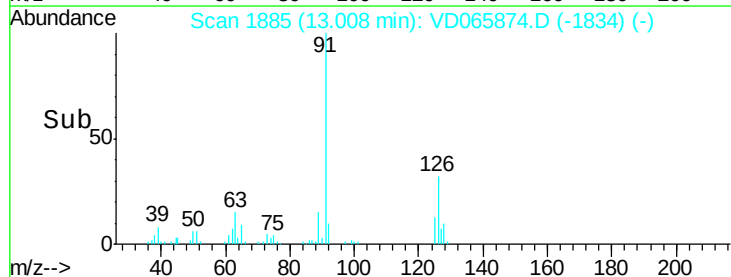
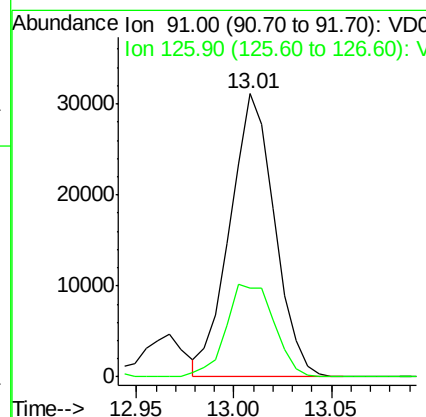
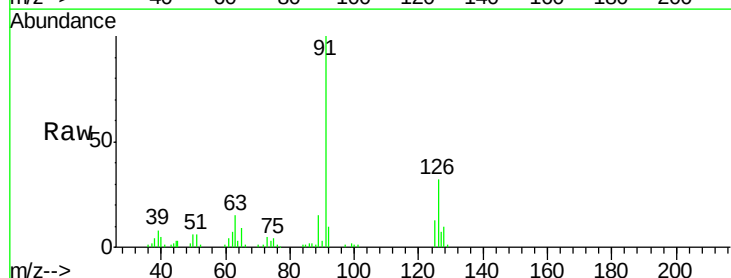
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

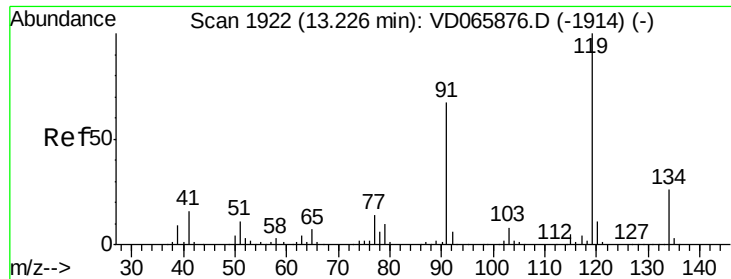
Tot Ion: 75 Resp: 4324
Ion Ratio Lower Upper
75 100
53 92.6 80.6 121.0
89 46.5 36.5 54.7



#82
4-Chlorotoluene
Concen: 9.572 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion: 91 Resp: 49256
Ion Ratio Lower Upper
91 100
126 35.2 16.6 49.8

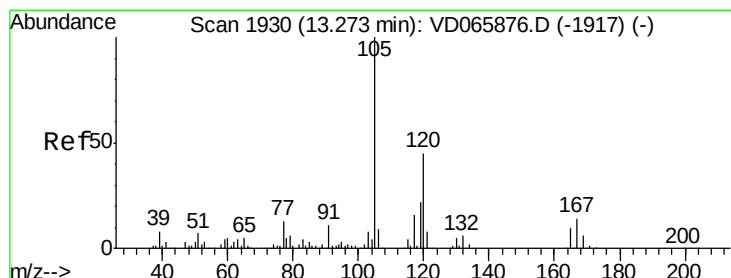
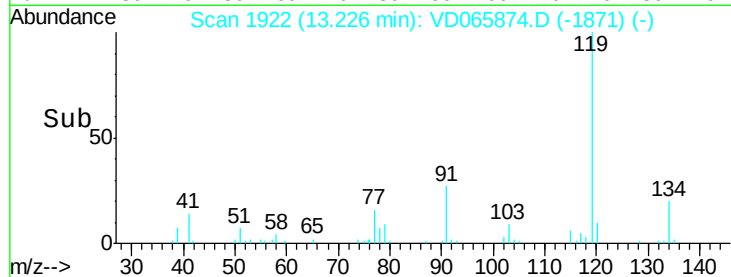
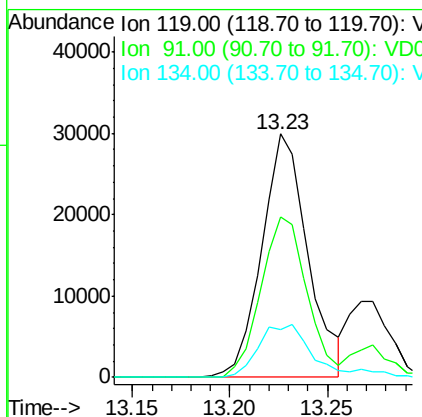
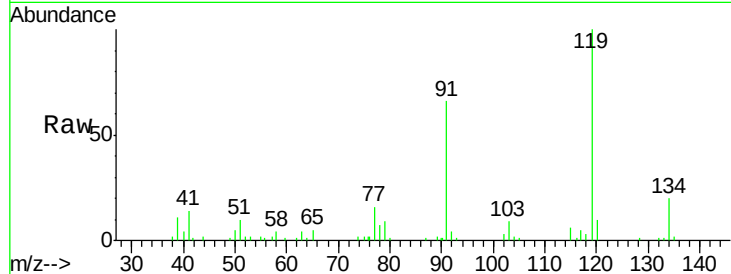




#83
tert-Butylbenzene
Concen: 9.572 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

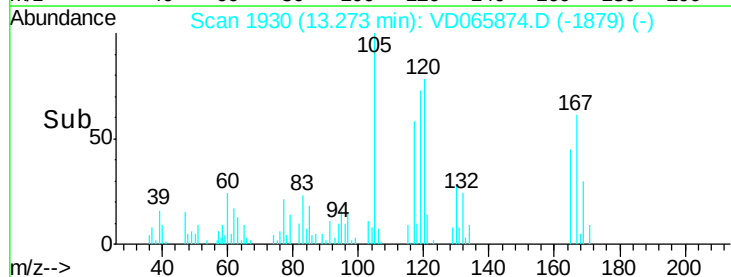
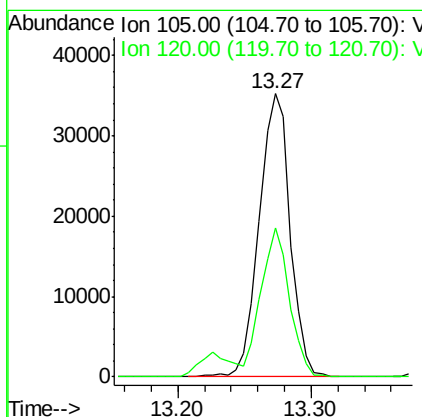
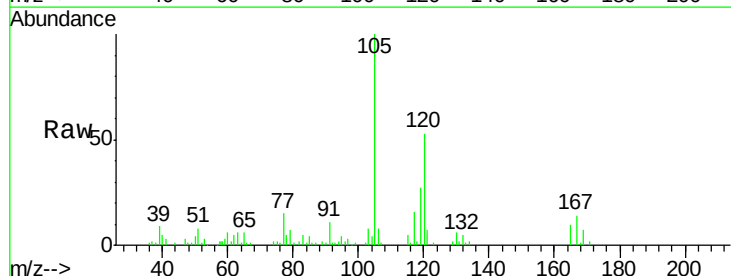
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

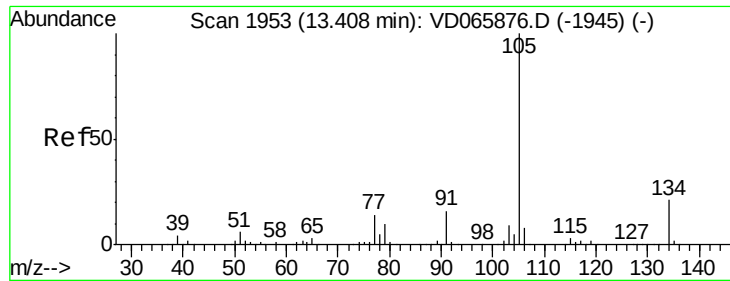
Tot Ion:119 Resp: 48889
Ion Ratio Lower Upper
119 100
91 65.7 32.2 96.6
134 24.4 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 9.423 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion:105 Resp: 56344
Ion Ratio Lower Upper
105 100
120 48.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 9.755 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

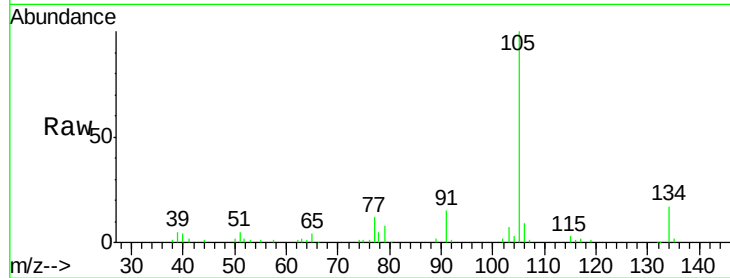
VSTDIC010

Tot Ion:105 Resp: 70388

Ion Ratio Lower Upper

105 100

134 19.0 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

50000

40000

30000

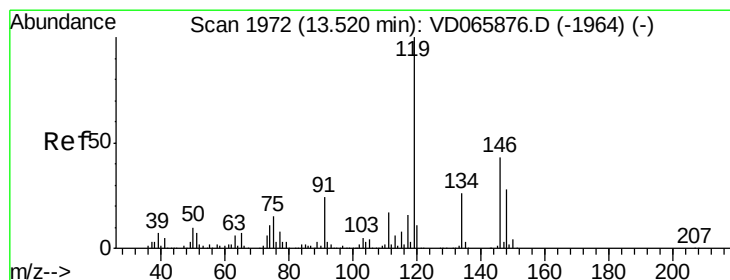
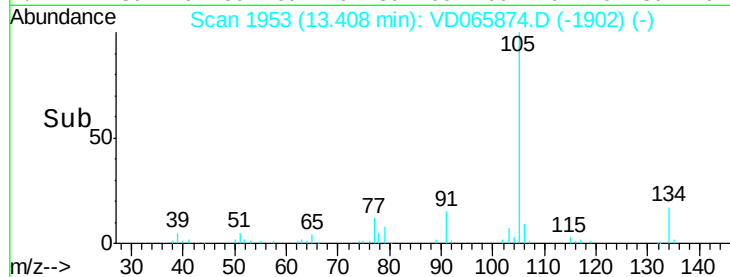
20000

10000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 9.469 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065874.D

Acq: 26 Jun 2020 11:11

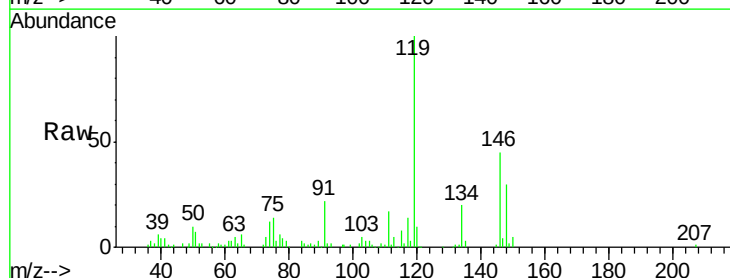
Tgt Ion:119 Resp: 62734

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

91 24.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

60000

50000

40000

30000

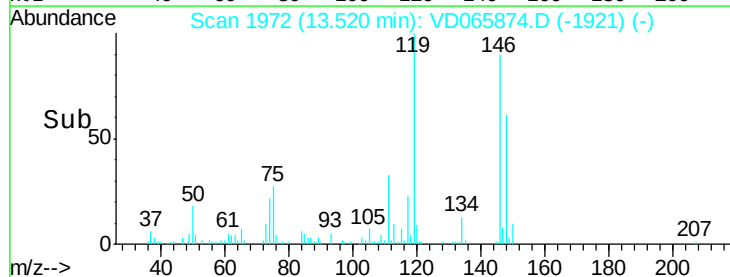
20000

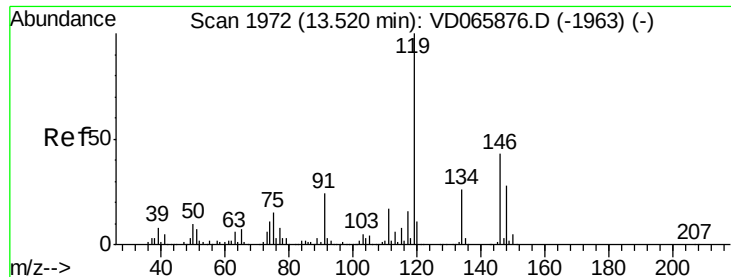
10000

0

13.45 13.50 13.55

Time-->

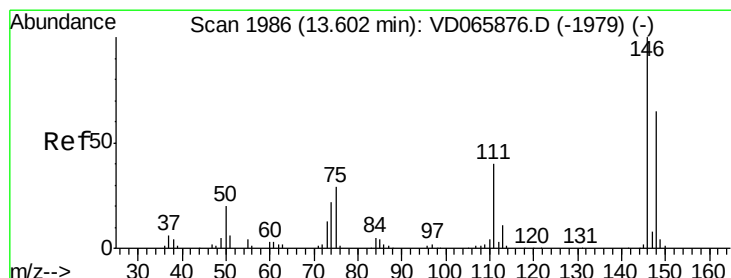
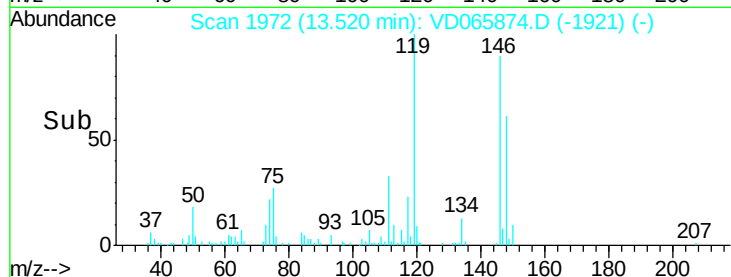
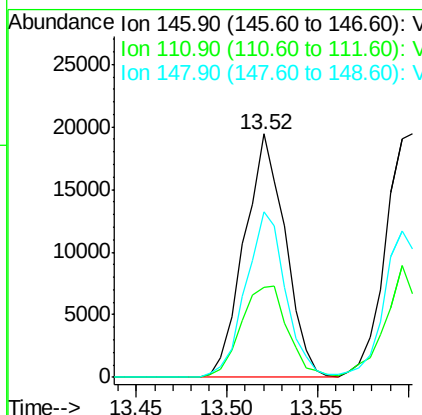
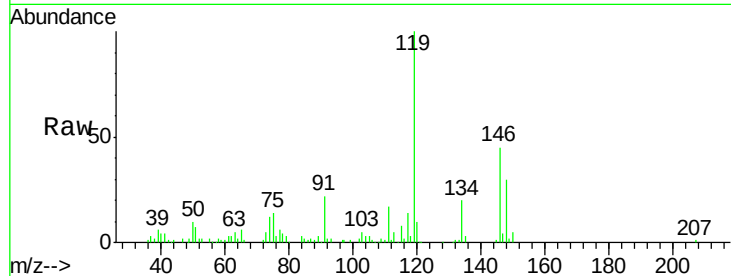




#87
 1,3-Dichlorobenzene
 Concen: 9.659 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

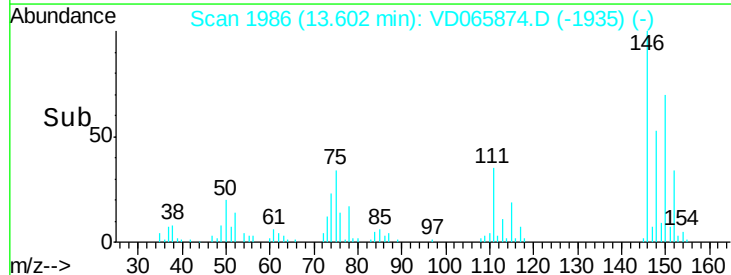
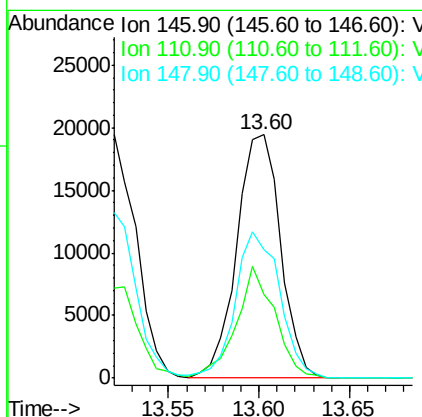
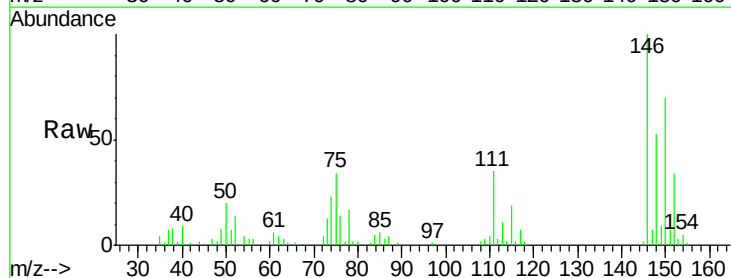
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

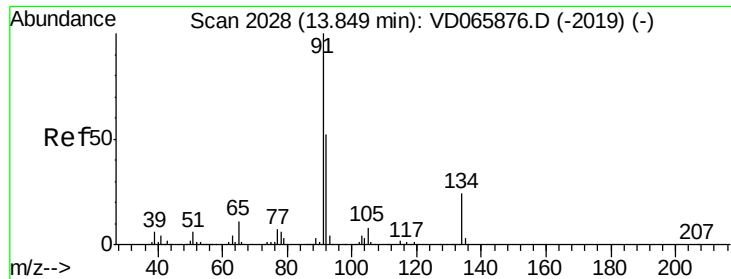
Tot Ion:146 Resp: 30538
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.4 58.4
 148 66.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 10.355 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Tgt Ion:146 Resp: 32730
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.9 59.6
 148 60.9 32.5 97.4

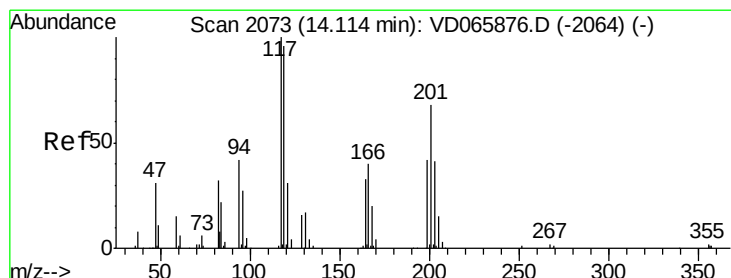
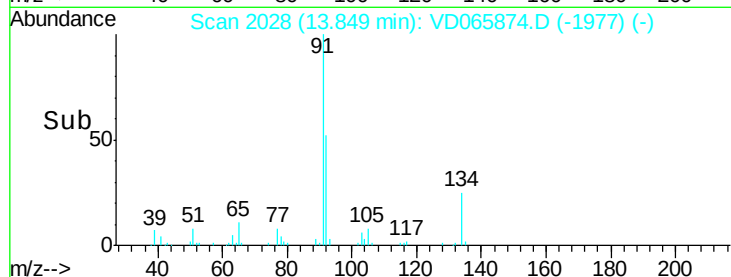
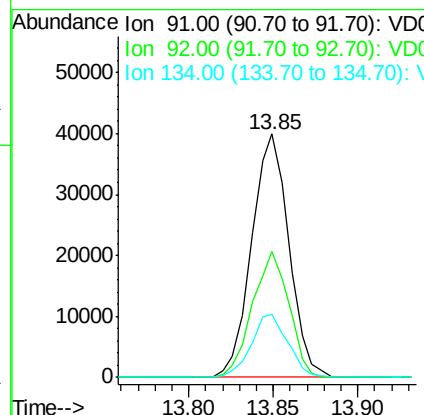
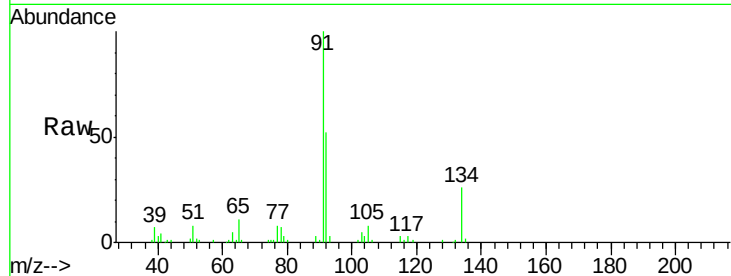




#89
n-Butylbenzene
Concen: 9.526 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

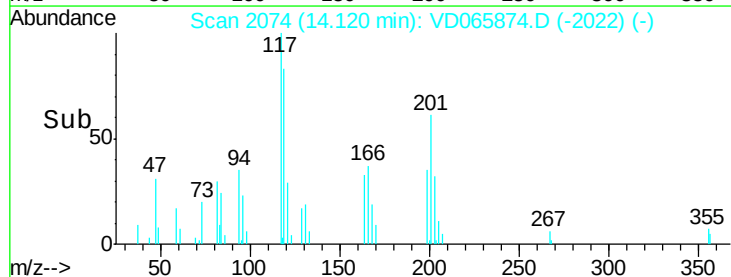
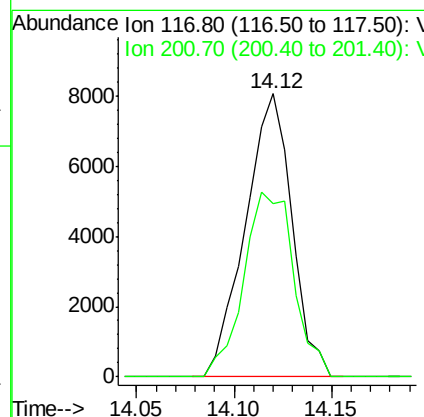
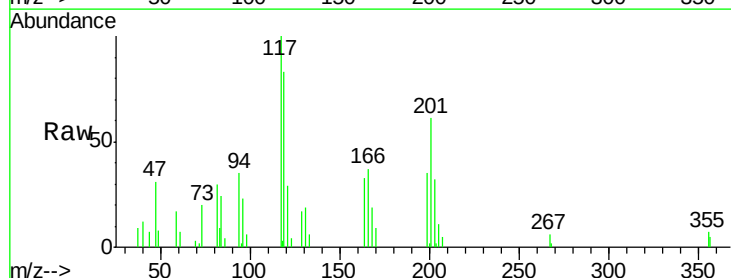
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

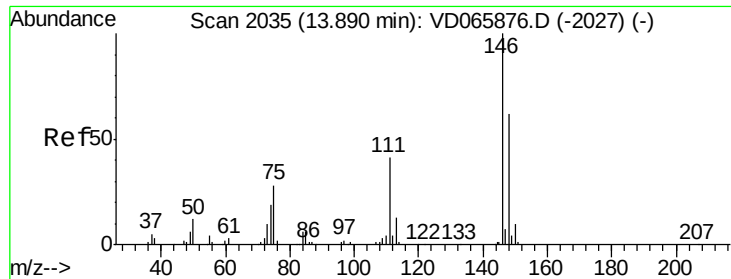
Tot Ion: 91 Resp: 61192
Ion Ratio Lower Upper
91 100
92 50.7 26.5 79.4
134 25.5 12.4 37.2



#90
Hexachloroethane
Concen: 9.964 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion: 117 Resp: 13311
Ion Ratio Lower Upper
117 100
201 70.2 35.1 105.5

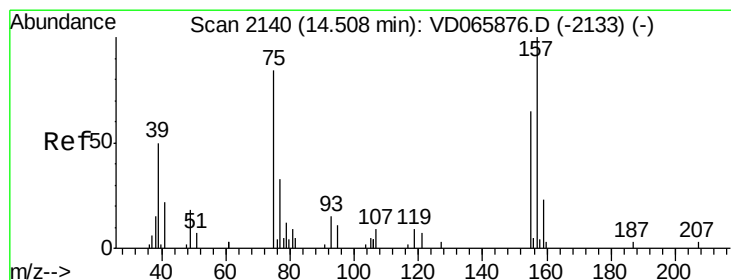
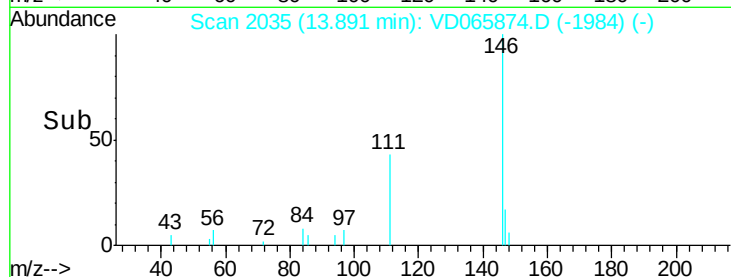
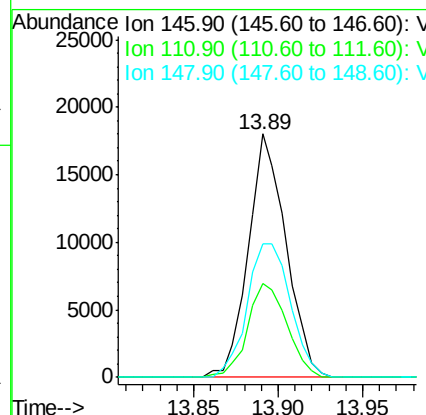
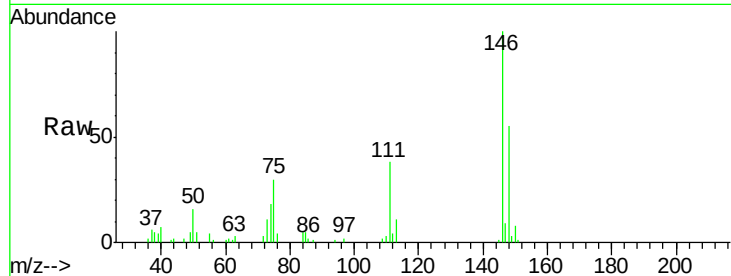




#91
 1,2-Dichlorobenzene
 Concen: 10.107 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

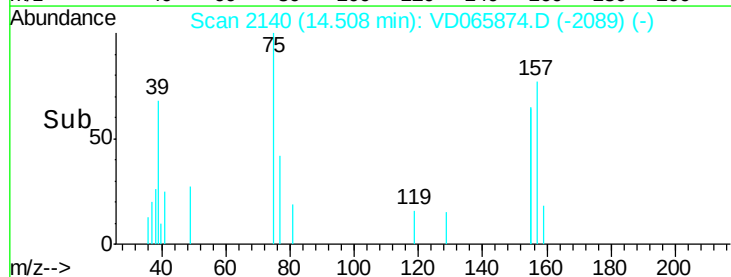
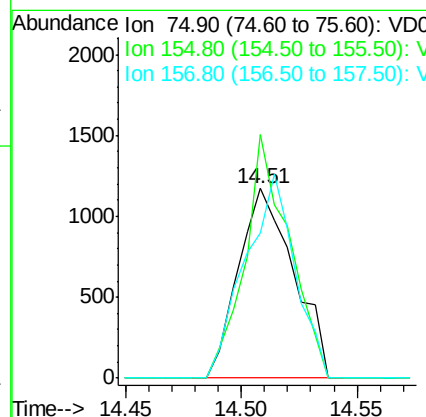
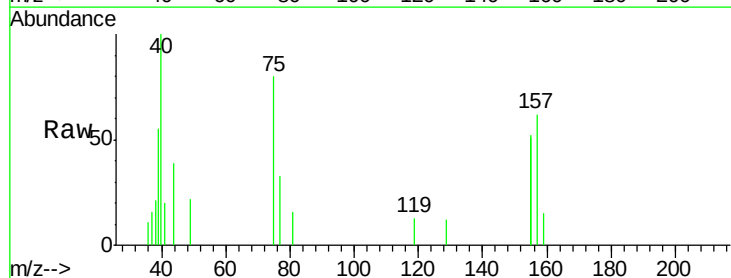
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

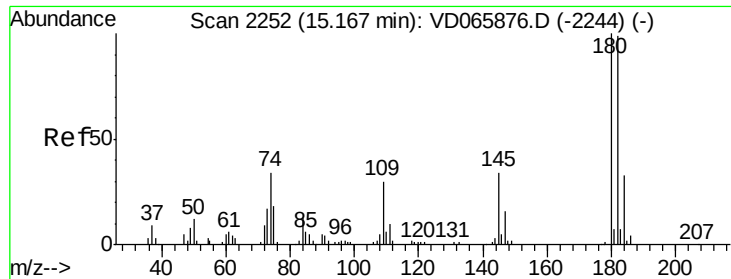
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.4
148	63.5	31.4	94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.223 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD065874.D
 Acq: 26 Jun 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.2	37.8	113.3
157	96.7	50.6	151.8

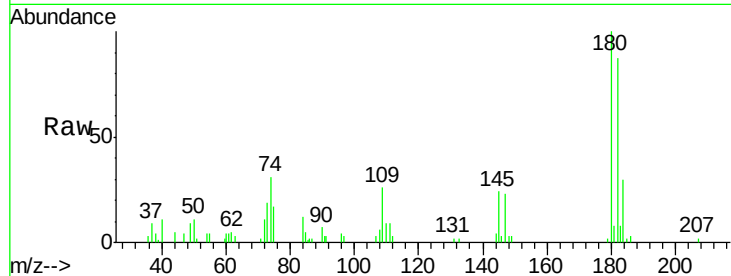




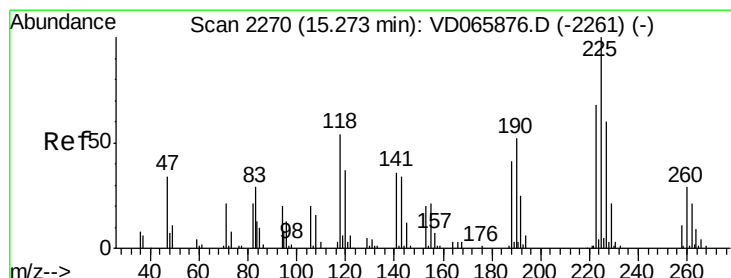
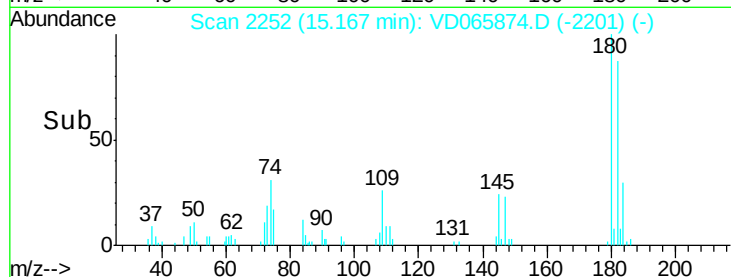
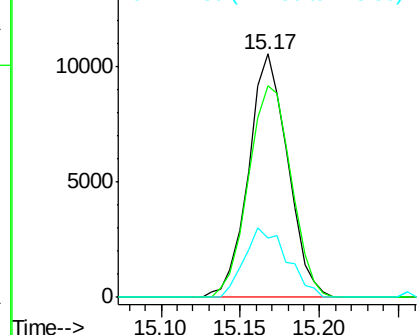
#93
1,2,4-Trichlorobenzene
Concen: 10.181 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:180 Resp: 18172
Ion Ratio Lower Upper
180 100
182 94.6 47.7 143.1
145 31.1 16.0 48.0

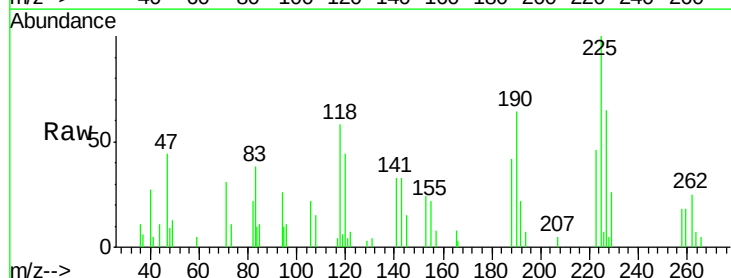


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

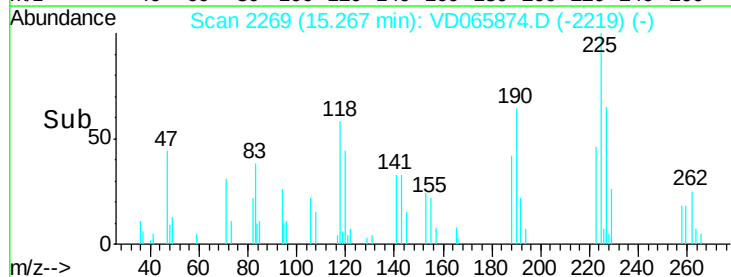
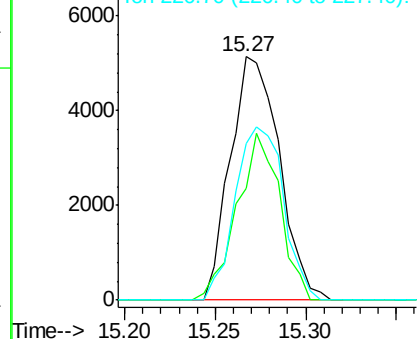


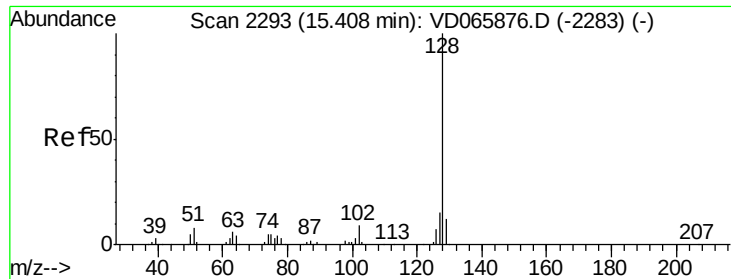
#94
Hexachlorobutadiene
Concen: 9.849 ug/l
RT: 15.27 min Scan# 2269
Delta R.T. -0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion:225 Resp: 9672
Ion Ratio Lower Upper
225 100
223 59.5 31.3 93.8
227 70.3 30.1 90.3



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

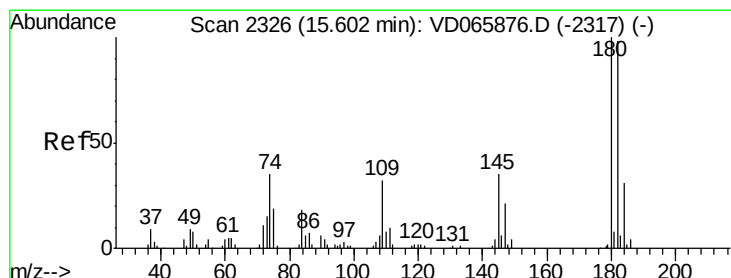
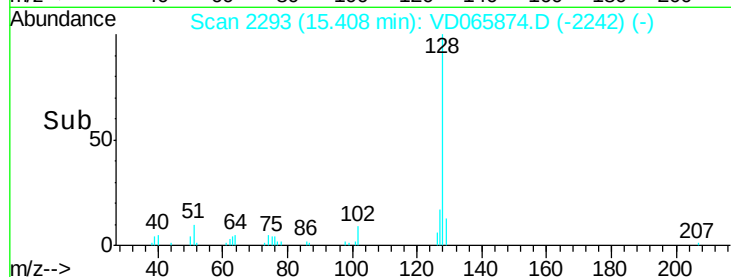
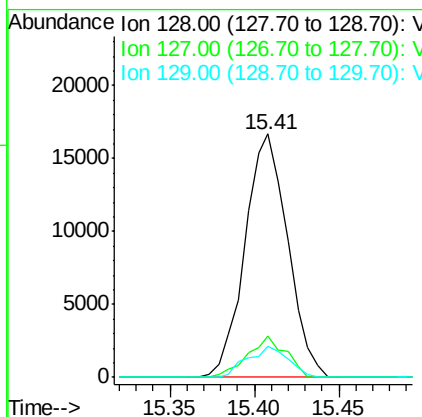
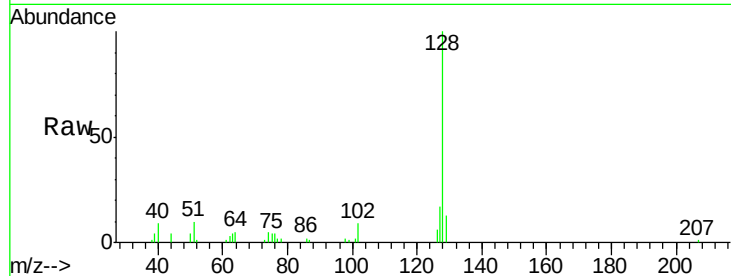




#95
Naphthalene
Concen: 9.432 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 29310
Ion Ratio Lower Upper
128 100
127 15.2 10.8 16.2
129 12.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 10.166 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD065874.D
Acq: 26 Jun 2020 11:11

Tgt Ion:180 Resp: 14991
Ion Ratio Lower Upper
180 100
182 99.9 48.9 146.6
145 34.6 16.6 49.7

