

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067382.D
 Acq On : 23 Oct 2020 16:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 24 07:20:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	484675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	448050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221600	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	150018	44.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.00%	
35) Dibromofluoromethane	7.91	113	157556	48.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.70%	
50) Toluene-d8	10.34	98	569028	48.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.64	95	198763	48.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	110215	39.922	ug/l	98
3) Chloromethane	2.21	50	83721	39.532	ug/l	94
4) Vinyl Chloride	2.35	62	94112	40.501	ug/l	99
5) Bromomethane	2.77	94	76530	47.197	ug/l	98
6) Chloroethane	2.92	64	60166	41.576	ug/l	92
7) Trichlorofluoromethane	3.27	101	253485	43.322	ug/l	99
8) Diethyl Ether	3.70	74	58808	43.922	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	131734	42.375	ug/l	97
10) Methyl Iodide	4.30	142	124880	43.547	ug/l	98
11) Tert butyl alcohol	5.22	59	34077	182.019	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	123941	44.627	ug/l	95
13) Acrolein	3.92	56	36847	188.691	ug/l	100
14) Allyl chloride	4.71	41	143099	44.993	ug/l	99
15) Acrylonitrile	5.41	53	100036	223.914	ug/l	98
16) Acetone	4.16	43	106049	224.608	ug/l	95
17) Carbon Disulfide	4.40	76	312177	39.429	ug/l	99
18) Methyl Acetate	4.71	43	47945	44.521	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	252579	45.738	ug/l	96
20) Methylene Chloride	4.96	84	138260	45.293	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	143541	44.913	ug/l	94
22) Diisopropyl ether	6.36	45	273659	47.102	ug/l	97
23) Vinyl Acetate	6.30	43	779349	235.779	ug/l	98
24) 1,1-Dichloroethane	6.26	63	224962	45.233	ug/l	99
25) 2-Butanone	7.21	43	120533	223.954	ug/l	93
26) 2,2-Dichloropropane	7.20	77	238926	46.609	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	159688	45.589	ug/l	98
28) Bromochloromethane	7.54	49	80211	47.284	ug/l #	98
29) Tetrahydrofuran	7.56	42	67978	227.216	ug/l	98
30) Chloroform	7.71	83	276800	46.590	ug/l	93
31) Cyclohexane	7.98	56	157237	40.493	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	271545	46.583	ug/l	98
36) 1,1-Dichloropropene	8.11	75	196450	47.822	ug/l	98
37) Ethyl Acetate	7.29	43	56404	46.668	ug/l	96
38) Carbon Tetrachloride	8.10	117	255341	48.633	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	199651	46.489	ug/l	97
40) Benzene	8.35	78	543475	48.224	ug/l	96
41) Methacrylonitrile	7.53	41	38655	59.185	ug/l #	66
42) 1,2-Dichloroethane	8.43	62	164088	46.526	ug/l	99
43) Isopropyl Acetate	8.45	43	109853	45.806	ug/l	99
44) Trichloroethene	9.11	130	176844	49.011	ug/l	90
45) 1,2-Dichloropropane	9.39	63	121986	46.705	ug/l	98
46) Dibromomethane	9.47	93	75564	46.435	ug/l	97
47) Bromodichloromethane	9.67	83	212115	48.651	ug/l	99
48) Methyl methacrylate	9.46	41	52839	45.337	ug/l	98
49) 1,4-Dioxane	9.47	88	16058	1020.304	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	279659	233.796	ug/l	100
52) Toluene	10.41	92	377410	49.169	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	184660	48.214	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	214200	47.788	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	105847	47.699	ug/l	100
56) Ethyl methacrylate	10.67	69	114830	49.896	ug/l	98
57) 1,3-Dichloropropane	10.95	76	168679	47.765	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	295364	250.178	ug/l	99
59) 2-Hexanone	10.98	43	195631	239.340	ug/l	97
60) Dibromochloromethane	11.14	129	153188	47.336	ug/l	98
61) 1,2-Dibromoethane	11.25	107	101443	46.370	ug/l	98
64) Tetrachloroethene	10.88	164	155547	47.916	ug/l	95
65) Chlorobenzene	11.67	112	410069	47.728	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	168461	49.333	ug/l	99
67) Ethyl Benzene	11.75	91	720810	48.941	ug/l	98
68) m/p-Xylenes	11.86	106	567107	99.992	ug/l	97
69) o-Xylene	12.18	106	255930	48.731	ug/l	97
70) Styrene	12.20	104	442864	48.985	ug/l	99
71) Bromoform	12.37	173	85594	46.658	ug/l #	97
73) Isopropylbenzene	12.48	105	733725	52.170	ug/l	100
74) N-amyl acetate	12.29	43	104187	49.049	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	104662	48.568	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	138843	90.399	ug/l #	100
77) Bromobenzene	12.77	156	174653	49.811	ug/l	99
78) n-propylbenzene	12.83	91	831438	51.024	ug/l	100
79) 2-Chlorotoluene	12.91	91	470473	49.786	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	619177	50.662	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32280	47.660	ug/l	95
82) 4-Chlorotoluene	13.01	91	501254	49.977	ug/l	99
83) tert-Butylbenzene	13.23	119	535849	51.904	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	617749	51.140	ug/l	99
85) sec-Butylbenzene	13.41	105	719114	50.764	ug/l	100
86) p-Isopropyltoluene	13.52	119	678592	50.752	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	328776	48.715	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	326796	48.874	ug/l	100
89) n-Butylbenzene	13.85	91	605686	51.492	ug/l	99
90) Hexachloroethane	14.12	117	117204	50.232	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	283905	48.154	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18042	46.085	ug/l	93

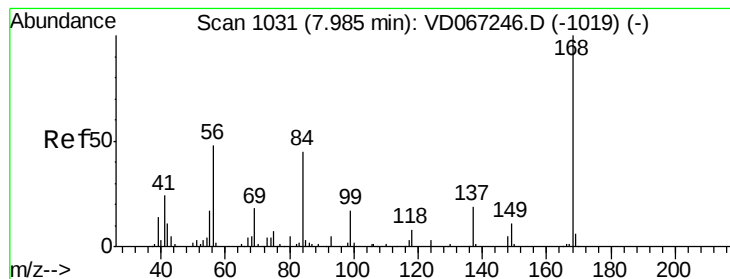
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102320\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	201007	50.567	ug/l	98
94) Hexachlorobutadiene	15.27	225	126510	51.250	ug/l	98
95) Naphthalene	15.41	128	325931	49.940	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	168613	49.099	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

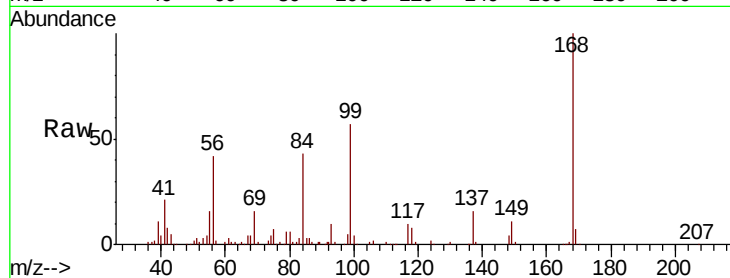
VSTDCCC050EC

Tot Ion:168 Resp: 336508

Ion Ratio Lower Upper

168 100

99 56.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

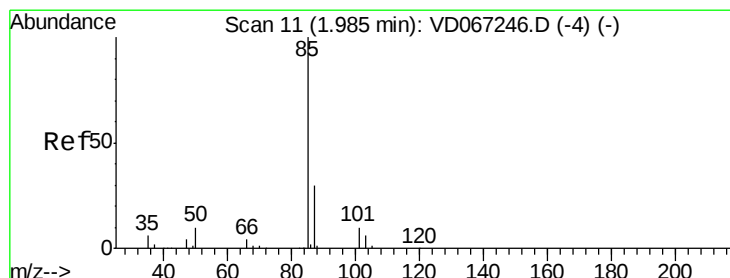
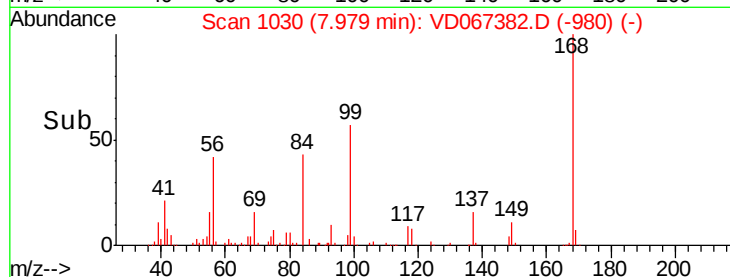
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 39.922 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067382.D

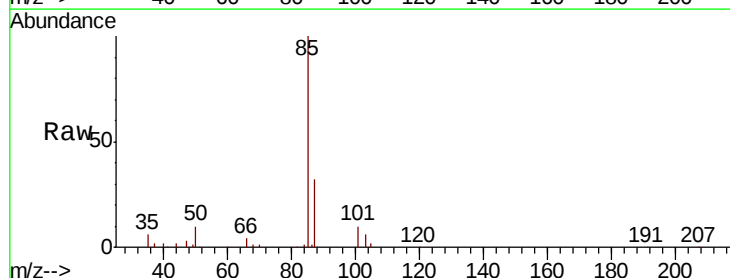
Acq: 23 Oct 2020 16:27

Tgt Ion: 85 Resp: 110215

Ion Ratio Lower Upper

85 100

87 31.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

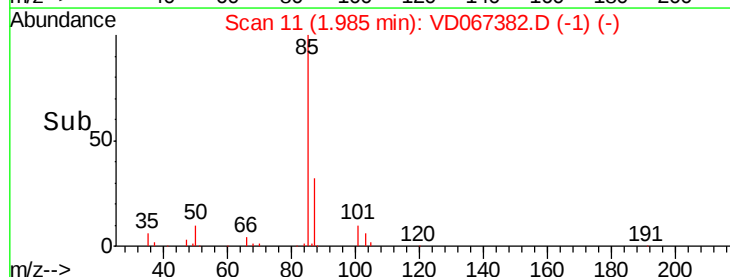
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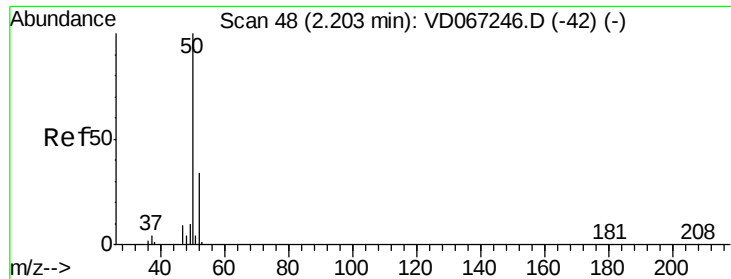
40000

20000

0

Time-->





#3

Chloromethane

Concen: 39.532 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

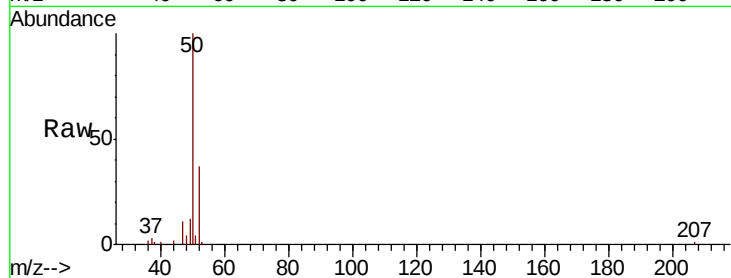
VSTDCCC050EC

Tot Ion: 50 Resp: 83721

Ion Ratio Lower Upper

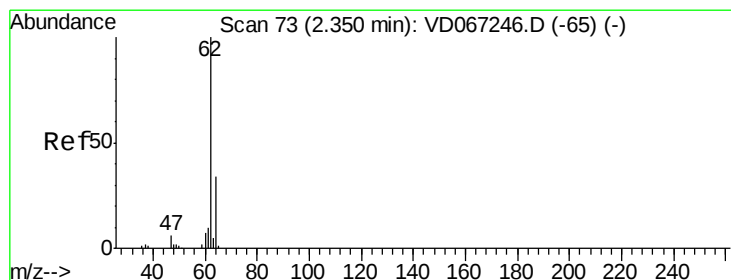
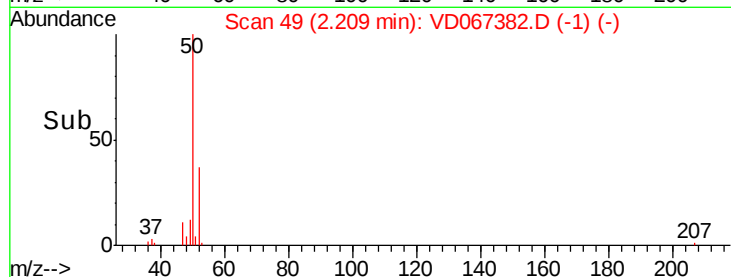
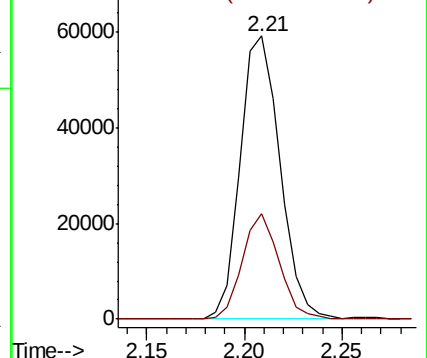
50 100

52 37.1 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.501 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067382.D

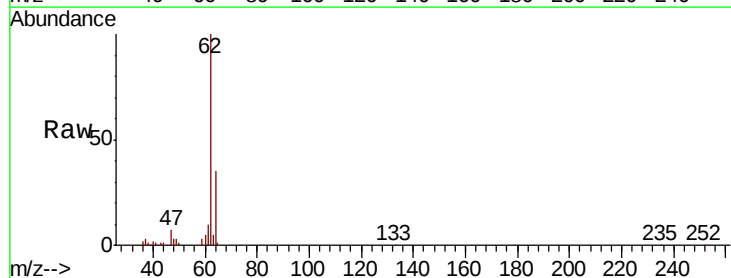
Acq: 23 Oct 2020 16:27

Tgt Ion: 62 Resp: 94112

Ion Ratio Lower Upper

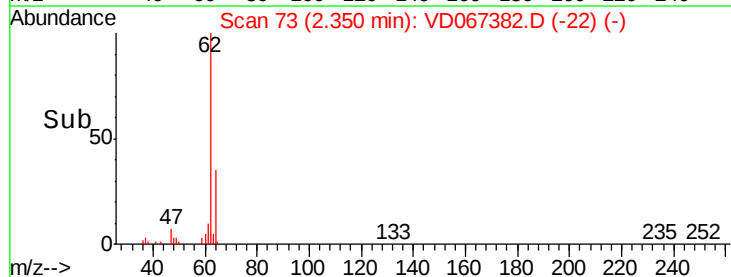
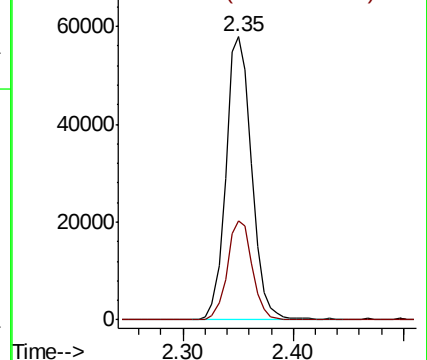
62 100

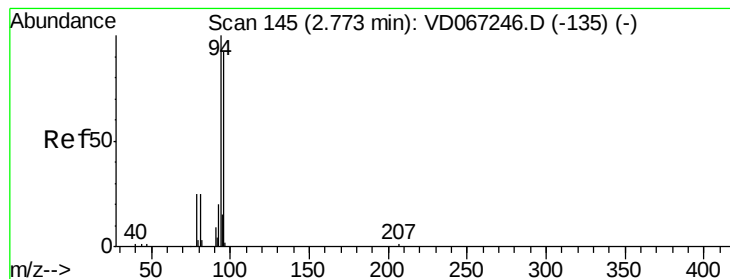
64 34.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.197 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

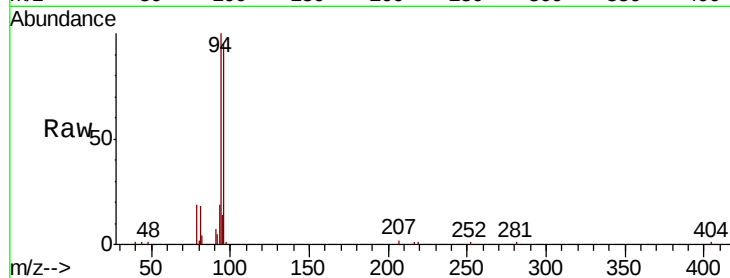
VSTDCCC050EC

Tot Ion: 94 Resp: 76530

Ion Ratio Lower Upper

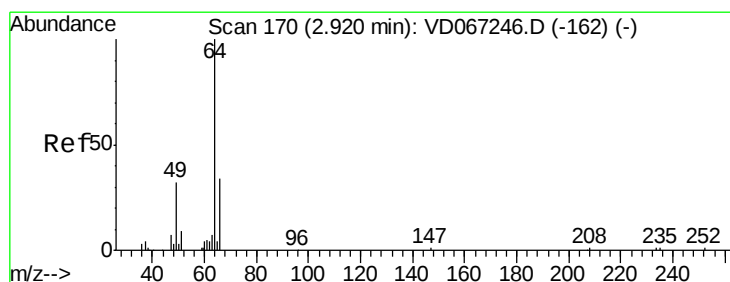
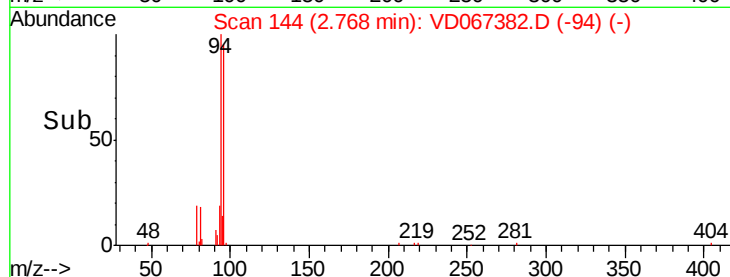
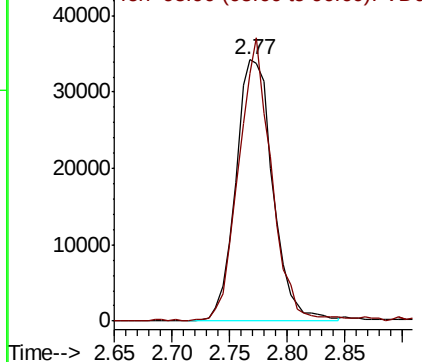
94 100

96 94.6 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 41.576 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067382.D

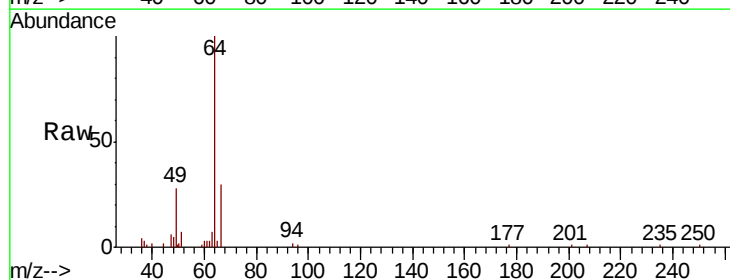
Acq: 23 Oct 2020 16:27

Tgt Ion: 64 Resp: 60166

Ion Ratio Lower Upper

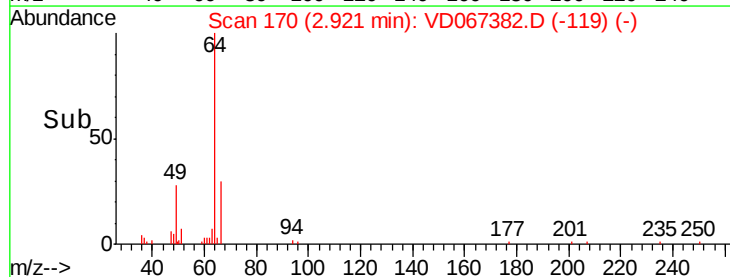
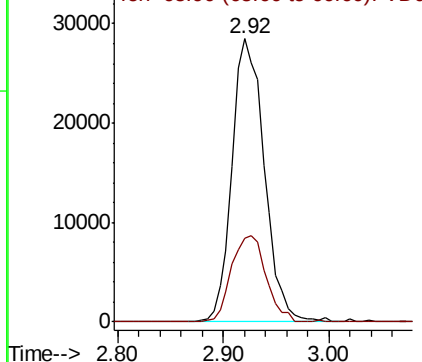
64 100

66 29.6 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



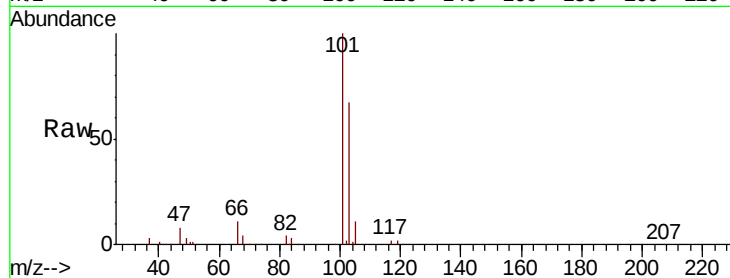


#7

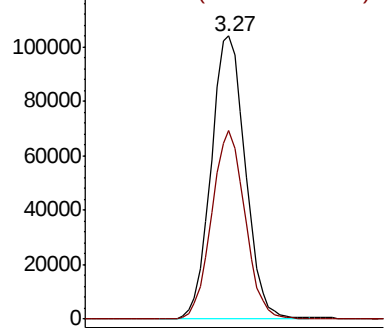
Trichlorofluoromethane
 Concen: 43.322 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

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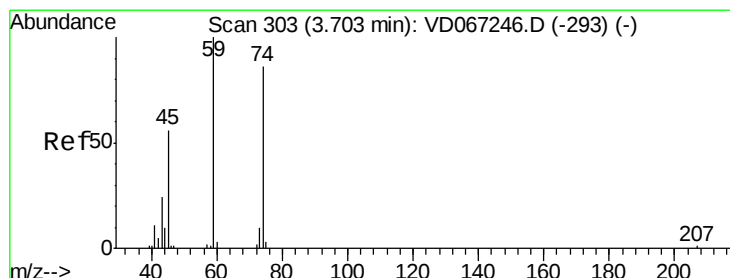
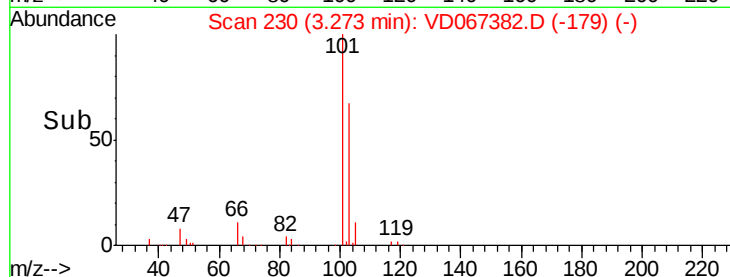
Tot Ion:101 Resp: 253485
 Ion Ratio Lower Upper
 101 100
 103 66.8 53.1 79.7



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



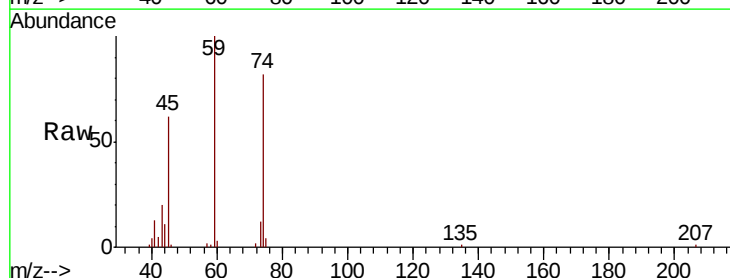
Time-->



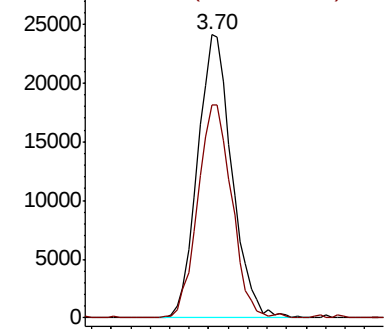
#8

Diethyl Ether
 Concen: 43.922 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

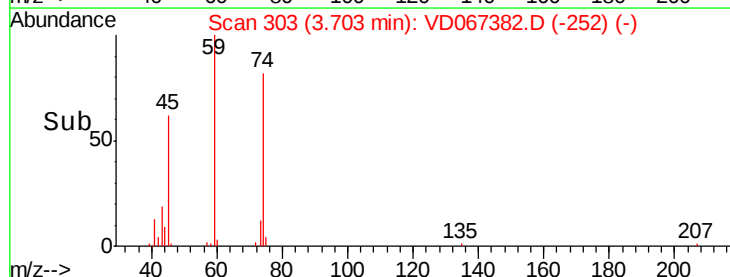
Tgt Ion: 74 Resp: 58808
 Ion Ratio Lower Upper
 74 100
 45 74.7 37.0 111.1

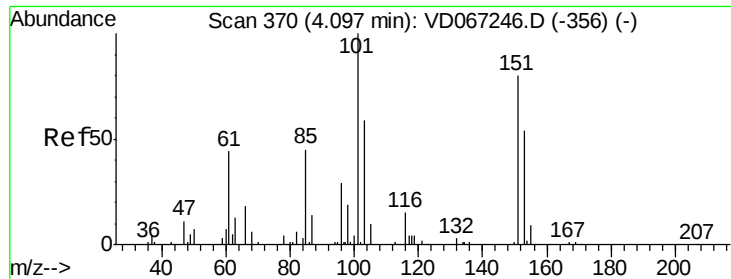


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.375 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

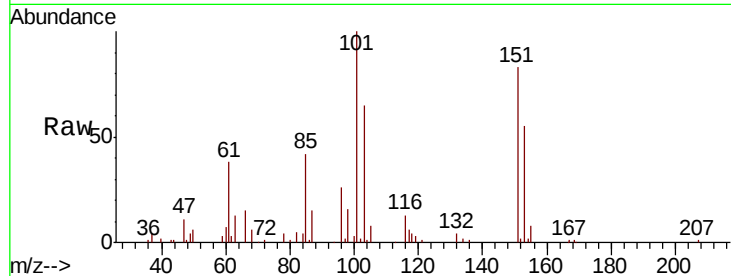
Tot Ion:101 Resp: 131734

Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.4

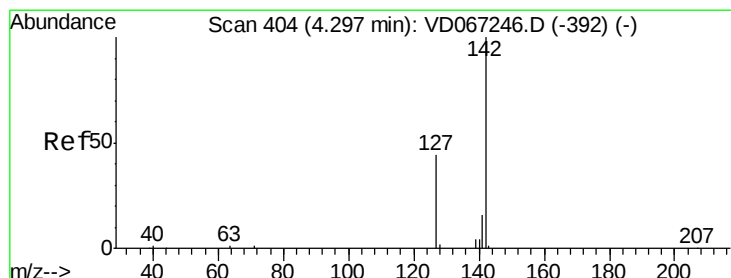
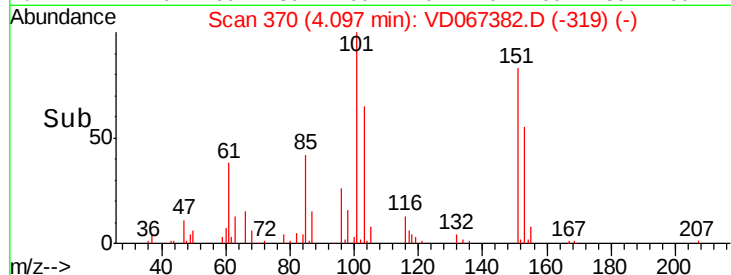
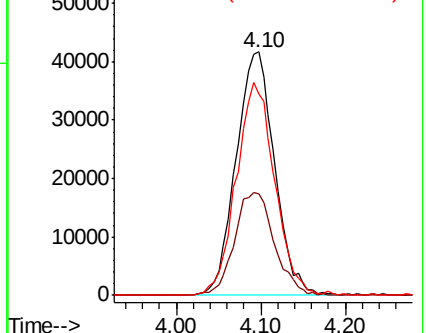
151 87.1 66.3 99.5



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: 43.547 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

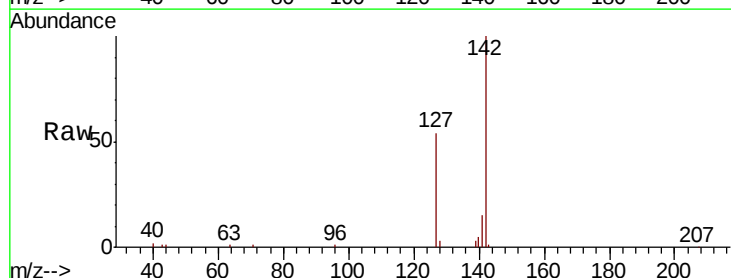
Tgt Ion:142 Resp: 124880

Ion Ratio Lower Upper

142 100

127 49.4 38.4 57.6

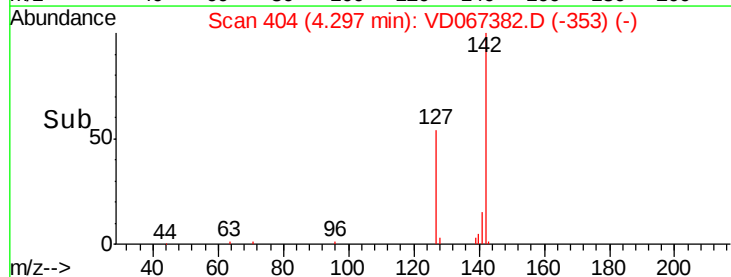
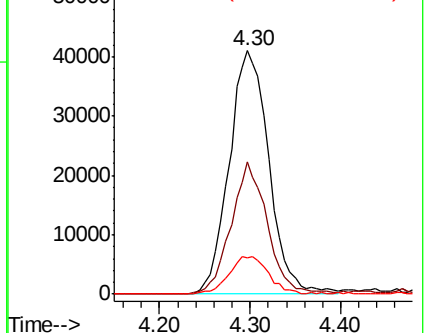
141 15.2 11.6 17.4

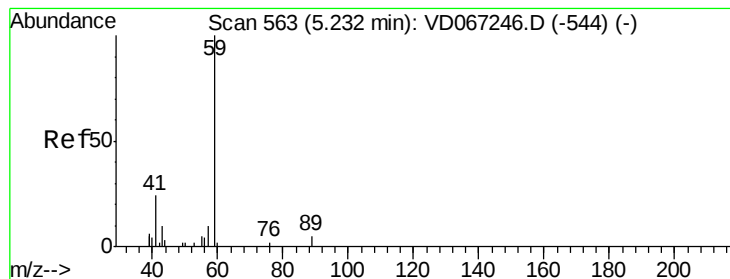


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



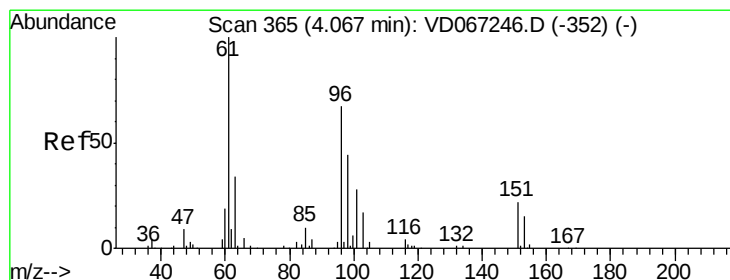
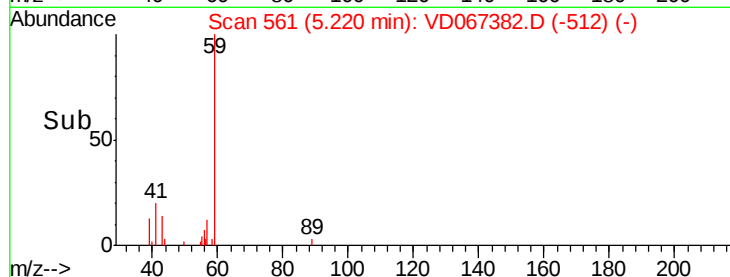
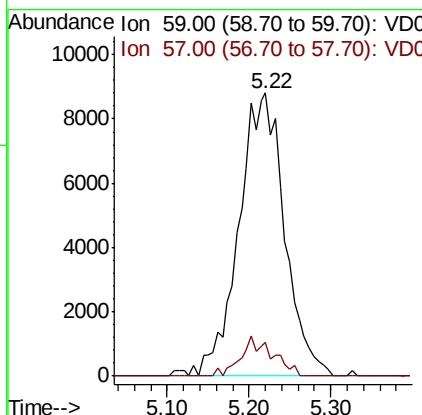
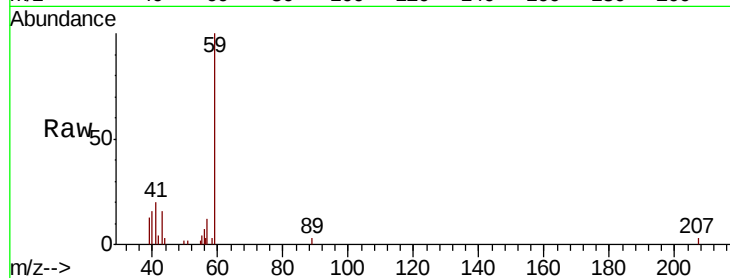


#11

Tert butyl alcohol
 Concen: 182.019 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

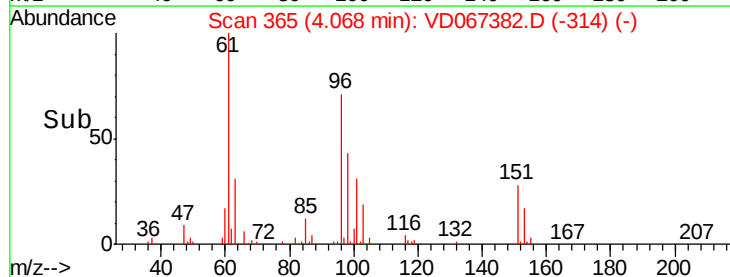
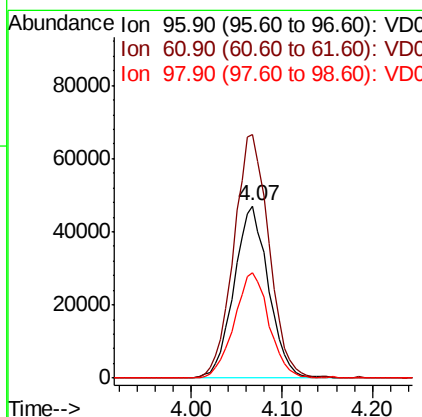
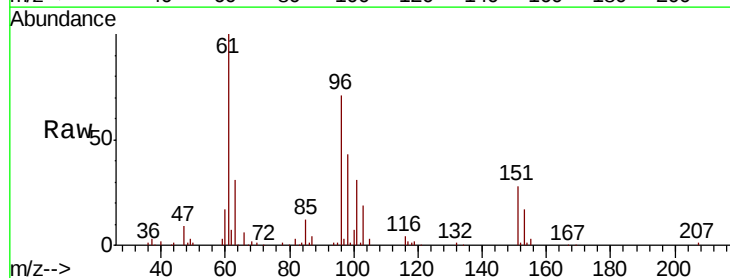
Tot Ion: 59 Resp: 34077
 Ion Ratio Lower Upper
 59 100
 57 9.9 5.1 7.7#

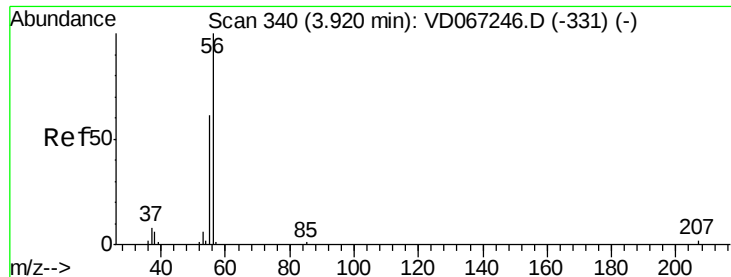


#12

1,1-Dichloroethene
 Concen: 44.627 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion: 96 Resp: 123941
 Ion Ratio Lower Upper
 96 100
 61 141.4 118.6 177.8
 98 61.1 51.8 77.6





#13

Acrolein

Concen: 188.691 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

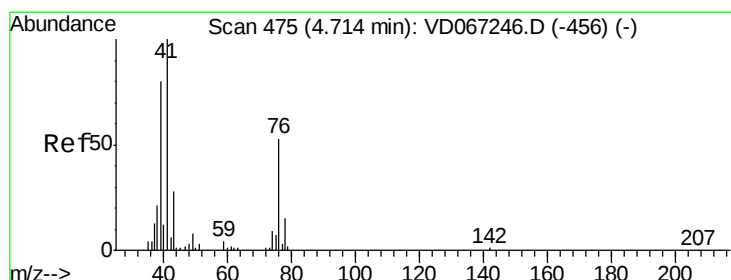
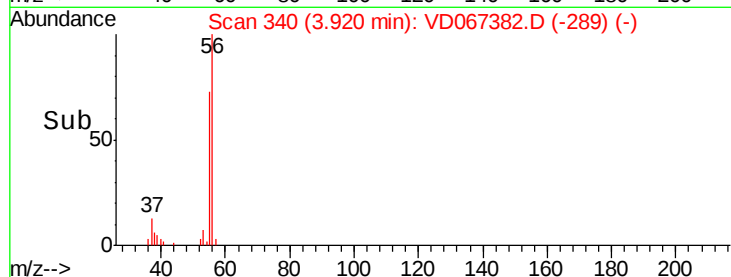
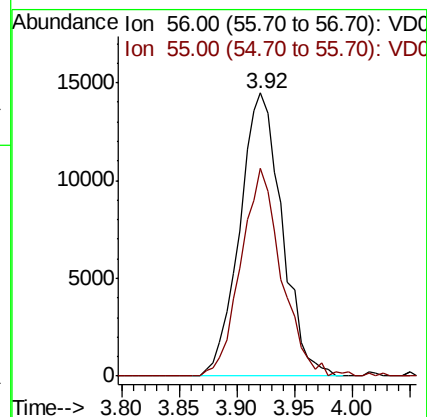
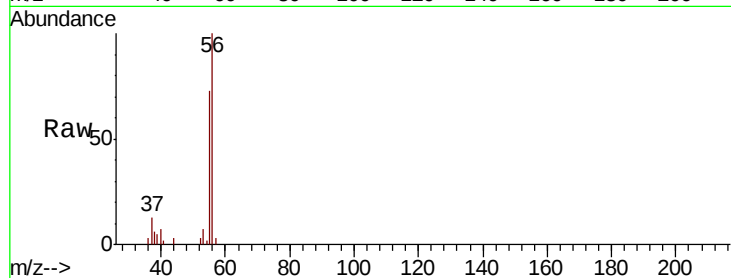
VSTDCCC050EC

Tot Ion: 56 Resp: 36847

Ion Ratio Lower Upper

56 100

55 70.0 56.0 84.0



#14

Allyl chloride

Concen: 44.993 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

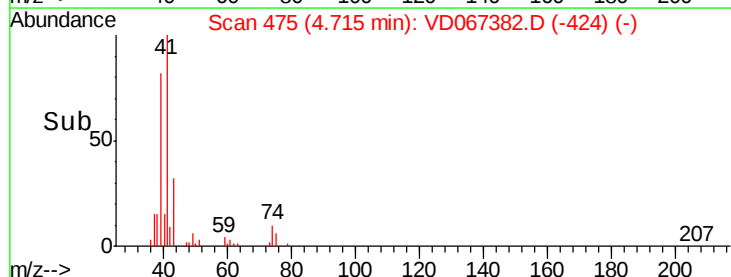
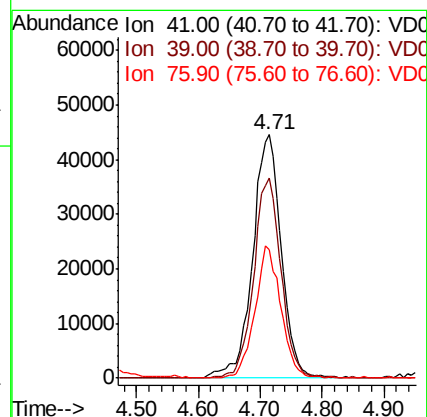
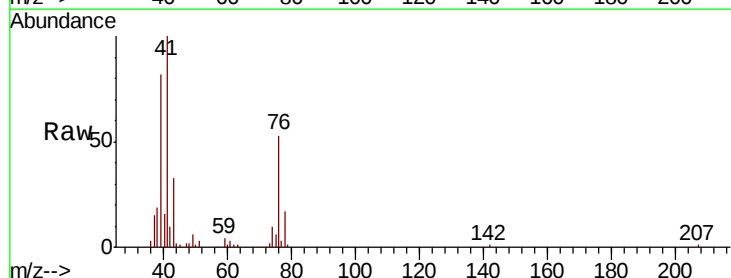
Tgt Ion: 41 Resp: 143099

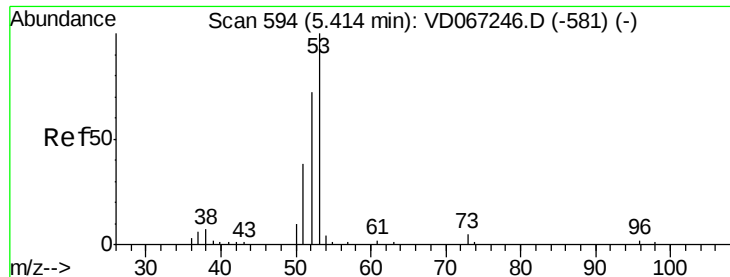
Ion Ratio Lower Upper

41 100

39 78.8 63.8 95.6

76 49.4 40.4 60.6





#15

Acrylonitrile

Concen: 223.914 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

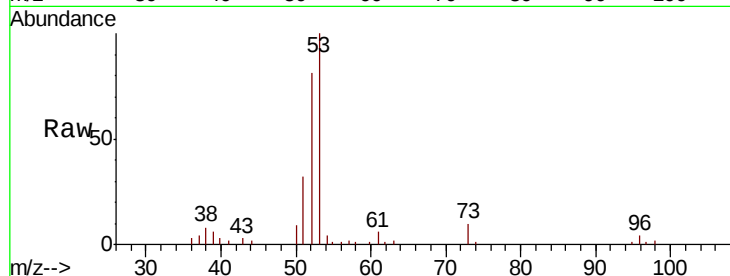
Tot Ion: 53 Resp: 100036

Ion Ratio Lower Upper

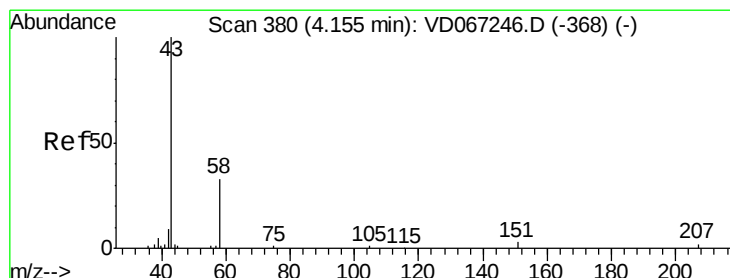
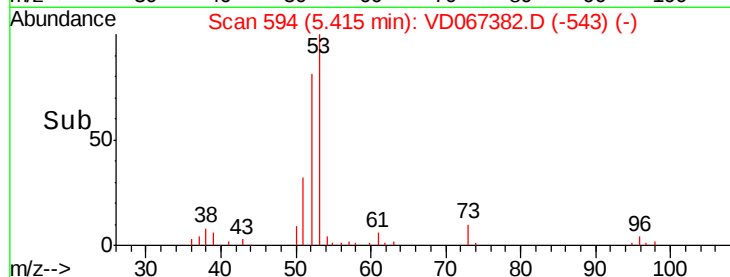
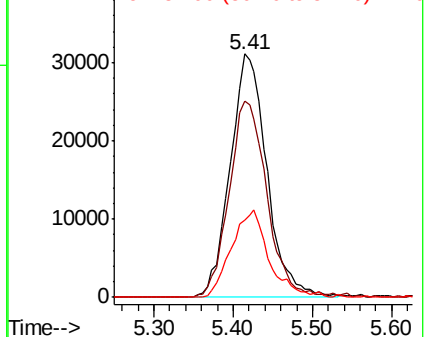
53 100

52 82.7 65.6 98.4

51 36.5 30.8 46.2



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: 224.608 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067382.D

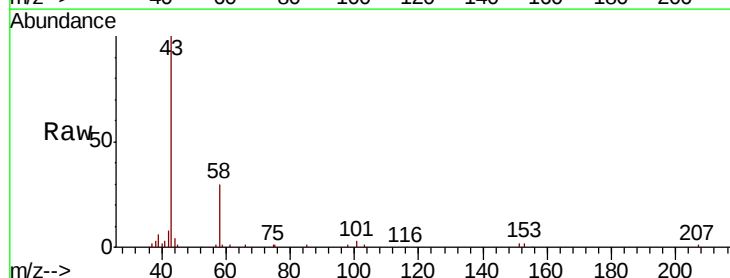
Acq: 23 Oct 2020 16:27

Tgt Ion: 43 Resp: 106049

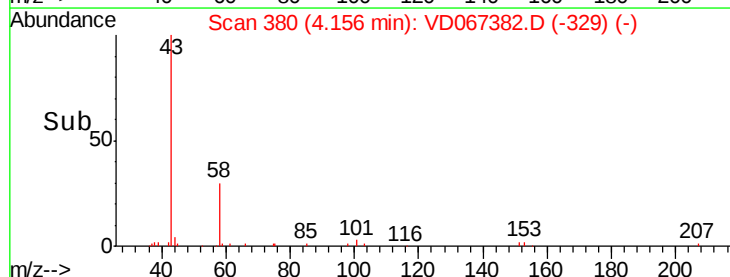
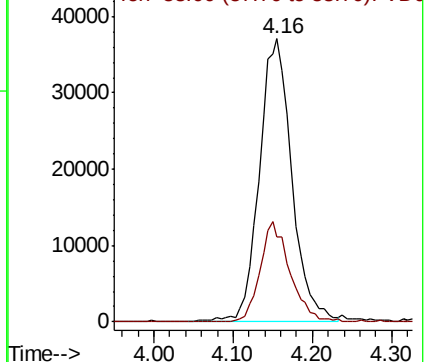
Ion Ratio Lower Upper

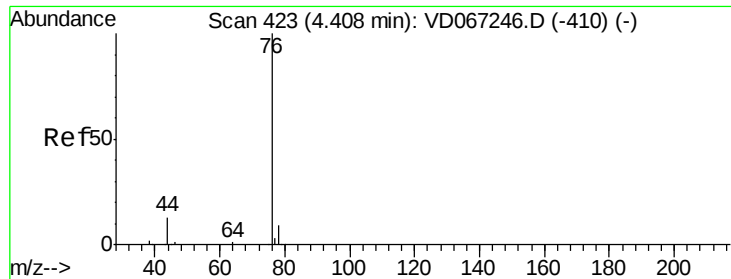
43 100

58 29.8 26.1 39.1



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

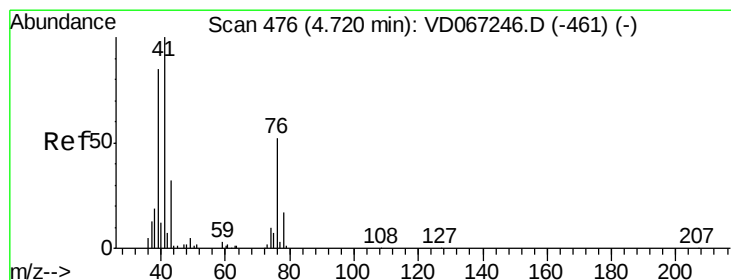
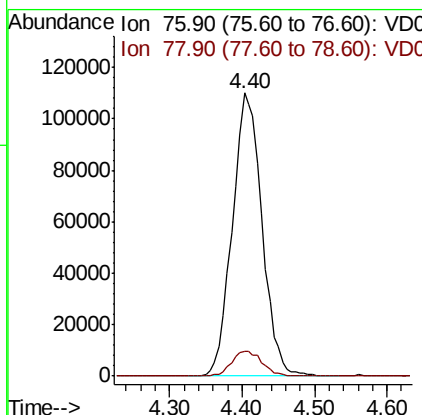
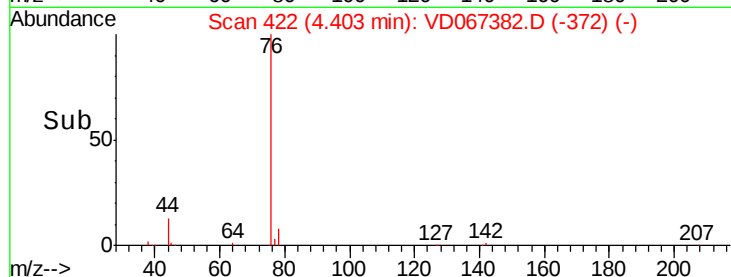
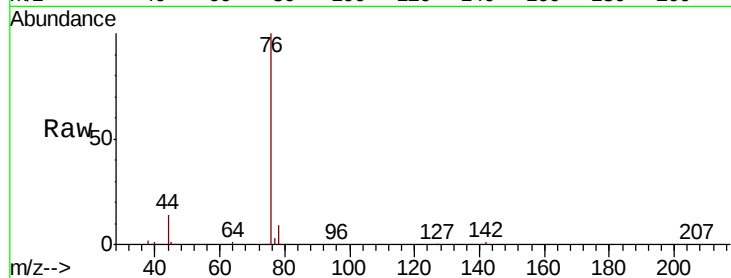




#17
Carbon Disulfide
Concen: 39.429 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

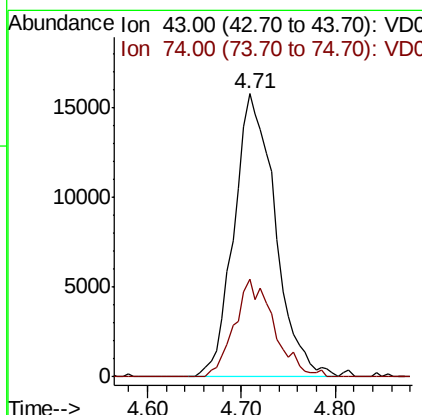
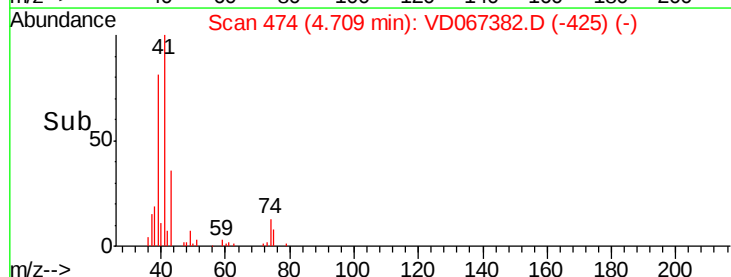
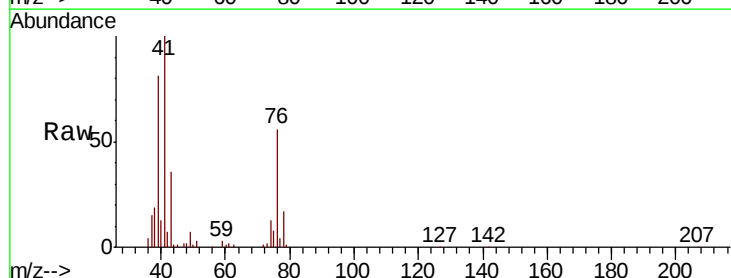
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

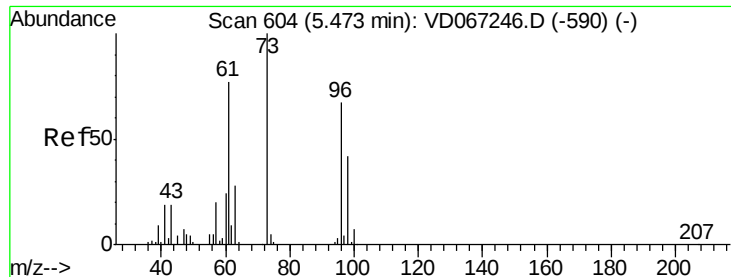
Tot Ion: 76 Resp: 312177
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 44.521 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 43 Resp: 47945
Ion Ratio Lower Upper
43 100
74 32.8 26.6 39.8

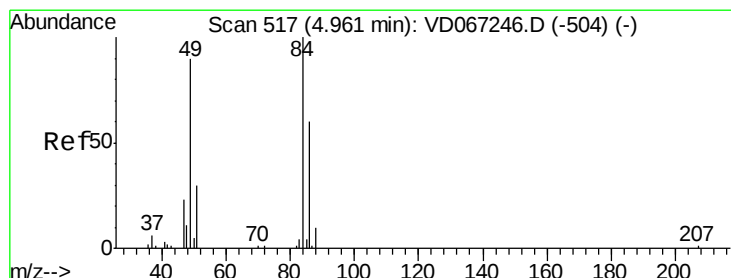
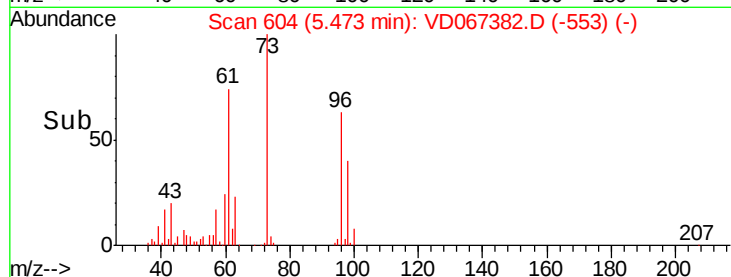
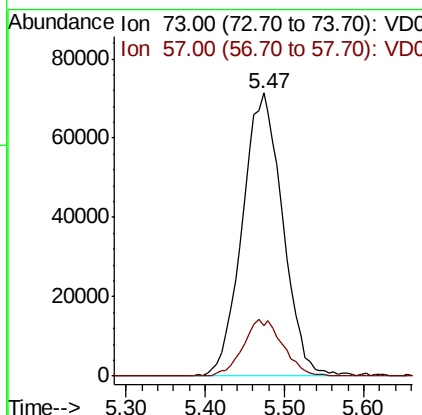
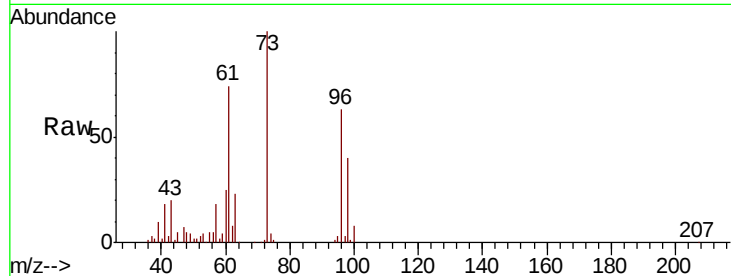




#19
Methvl tert-butvl Ether
Concen: 45.738 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

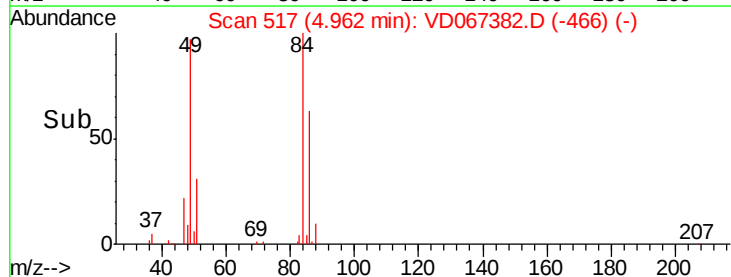
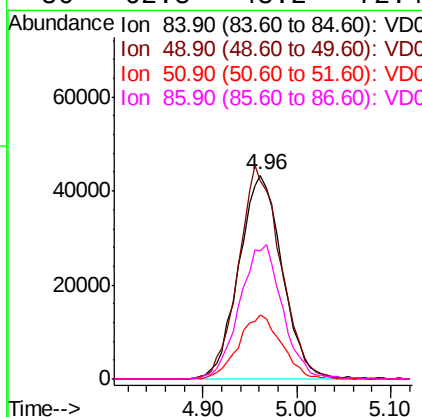
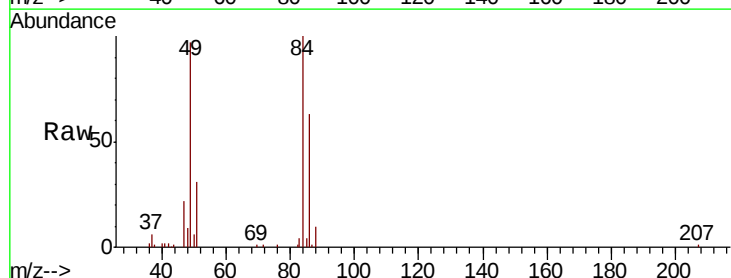
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

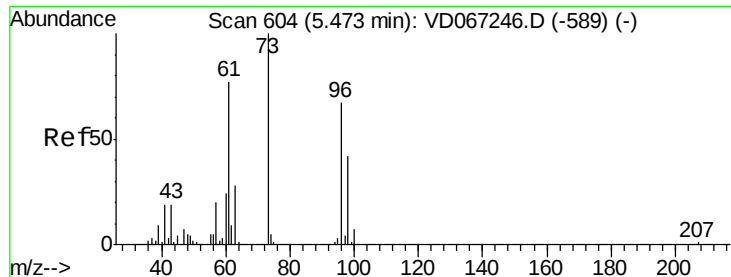
Tot Ion: 73 Resp: 252579
Ion Ratio Lower Upper
73 100
57 17.8 15.7 23.5



#20
Methylene Chloride
Concen: 45.293 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 84 Resp: 138260
Ion Ratio Lower Upper
84 100
49 97.1 72.2 108.2
51 31.3 23.8 35.8
86 62.8 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 44.913 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

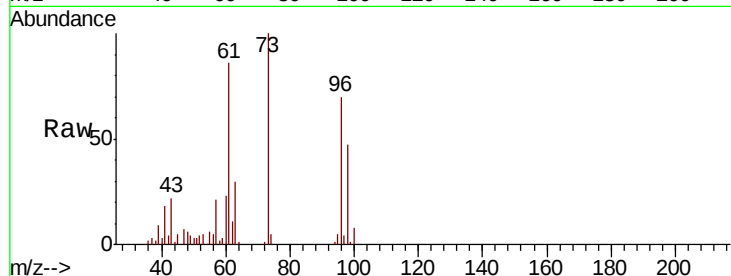
Tot Ion: 96 Resp: 143541

Ion Ratio Lower Upper

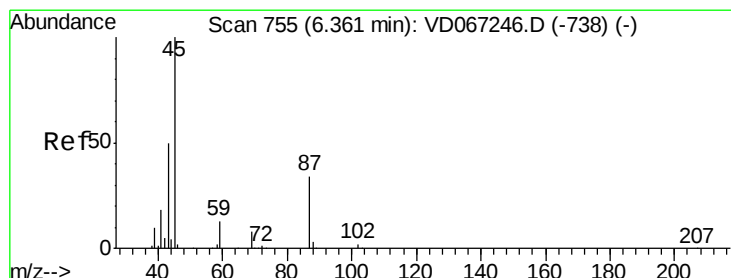
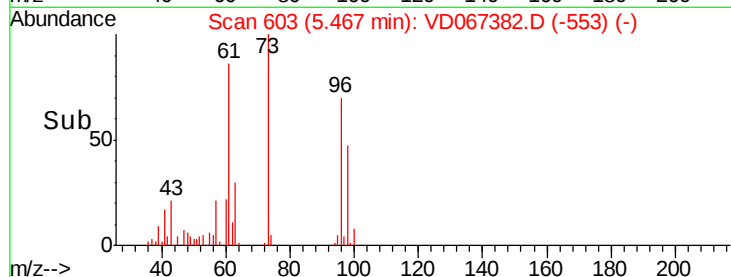
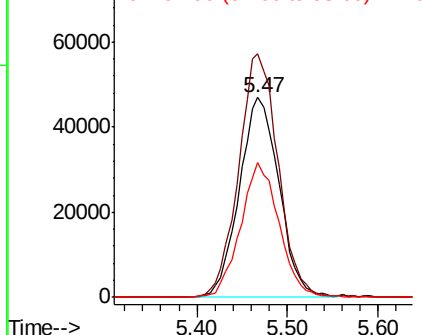
96 100

61 121.4 92.0 138.0

98 67.2 49.8 74.8



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



#22

Diisopropyl ether

Concen: 47.102 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Tgt Ion: 45 Resp: 273659

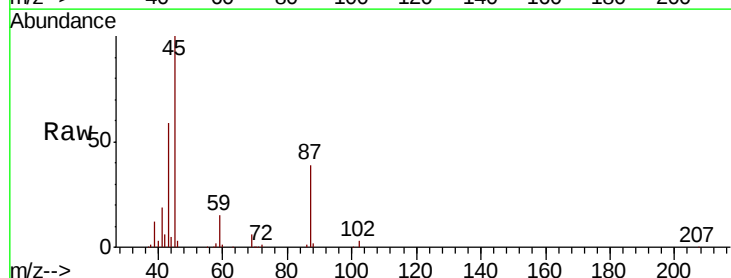
Ion Ratio Lower Upper

45 100

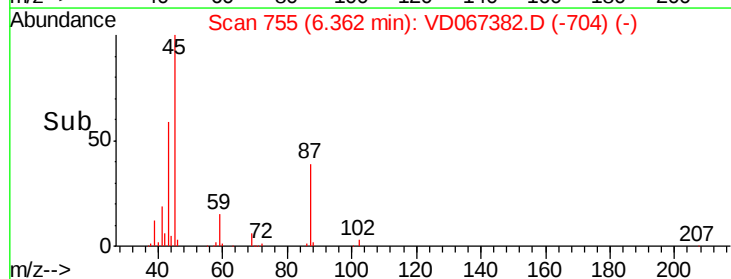
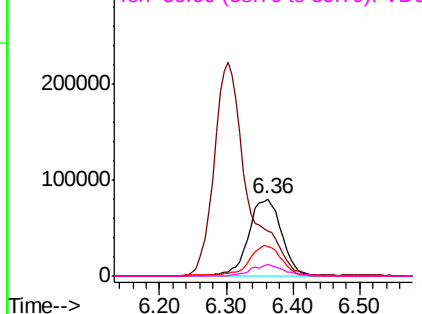
43 58.3 48.0 72.0

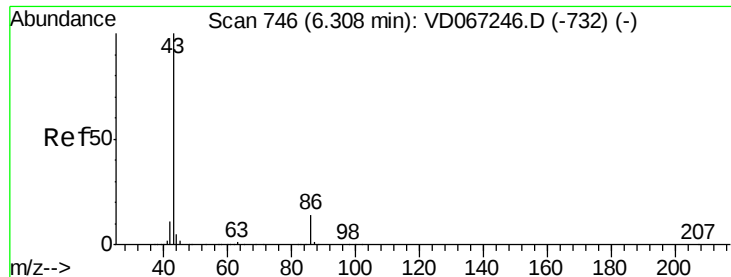
87 38.3 28.5 42.7

59 15.3 10.5 15.7



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: 235.779 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

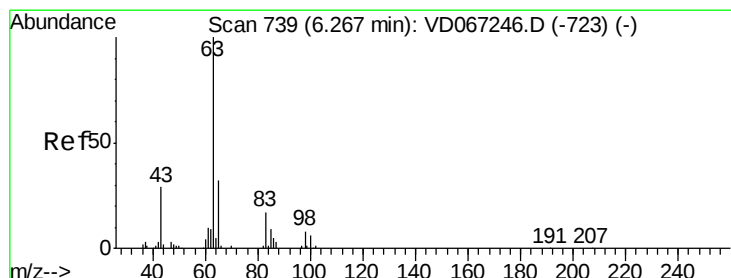
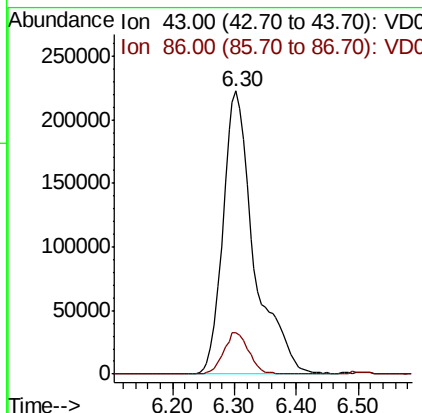
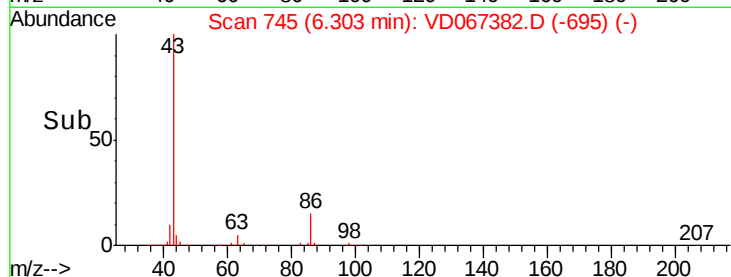
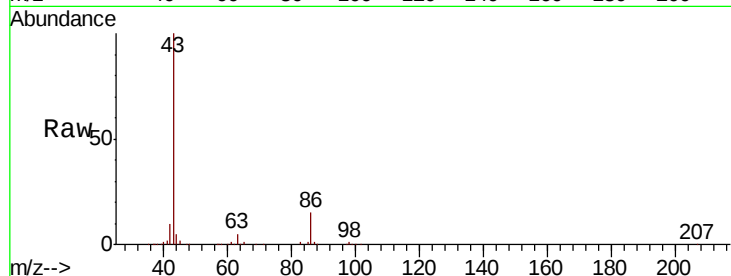
VSTDCCC050EC

Tot Ion: 43 Resp: 779349

Ion Ratio Lower Upper

43 100

86 14.8 11.0 16.6



#24

1,1-Dichloroethane

Concen: 45.233 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

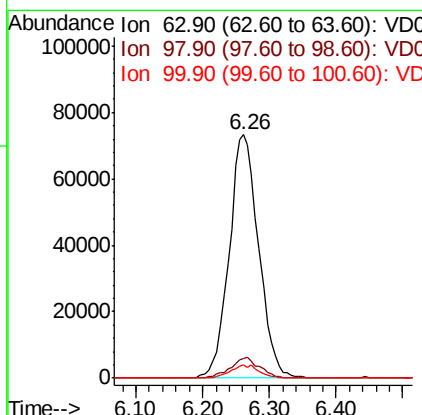
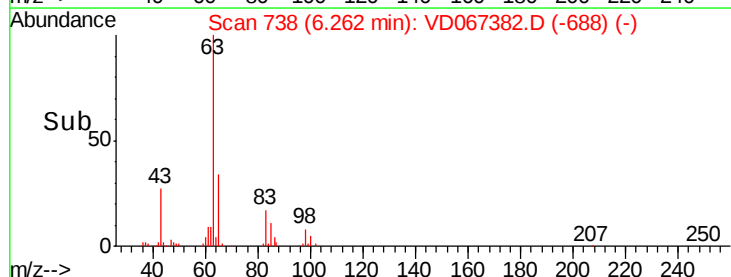
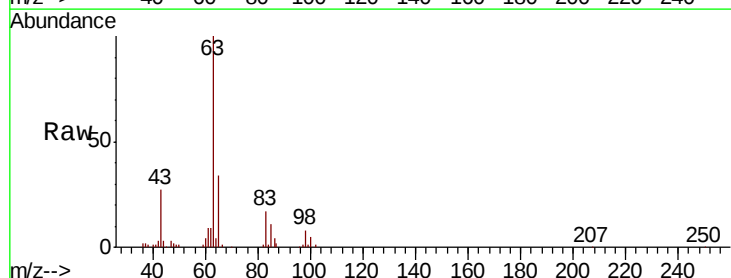
Tgt Ion: 63 Resp: 224962

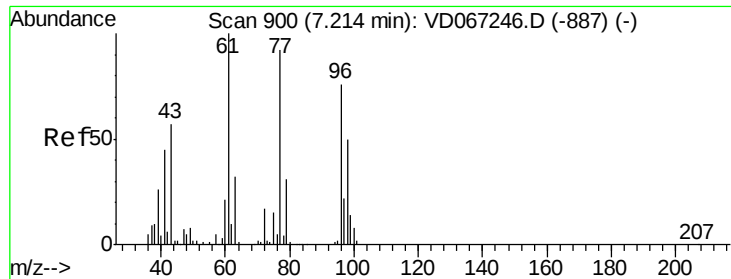
Ion Ratio Lower Upper

63 100

98 8.2 4.0 12.2

100 5.3 2.8 8.4





#25

2-Butanone

Concen: 223.954 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

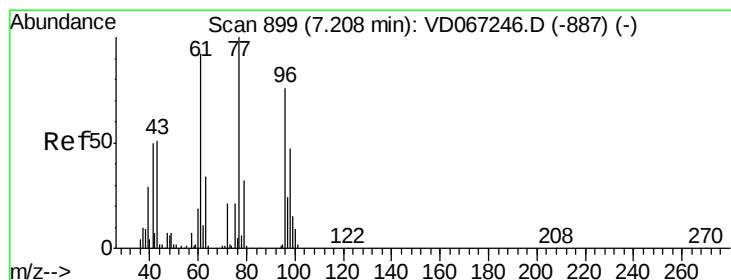
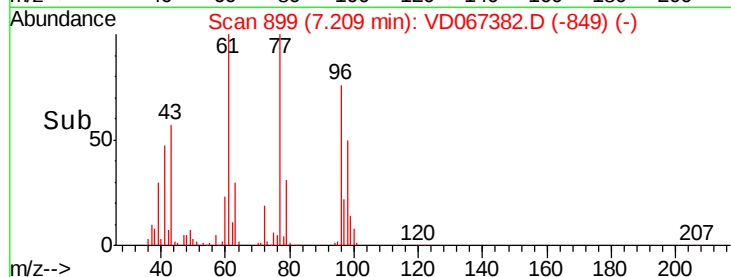
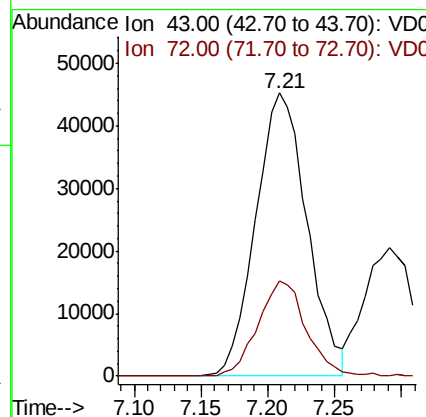
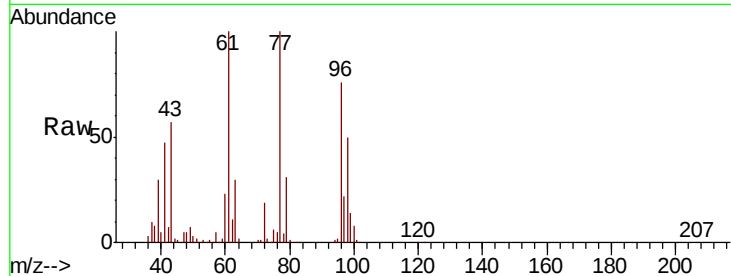
VSTDCCC050EC

Tot Ion: 43 Resp: 120533

Ion Ratio Lower Upper

43 100

72 33.5 23.7 35.5



#26

2,2-Dichloropropane

Concen: 46.609 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067382.D

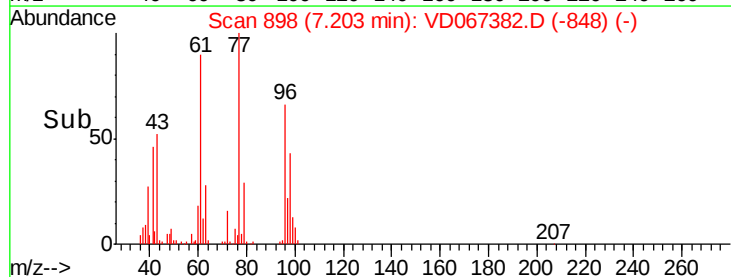
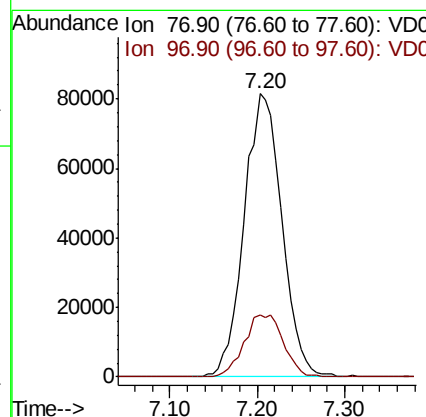
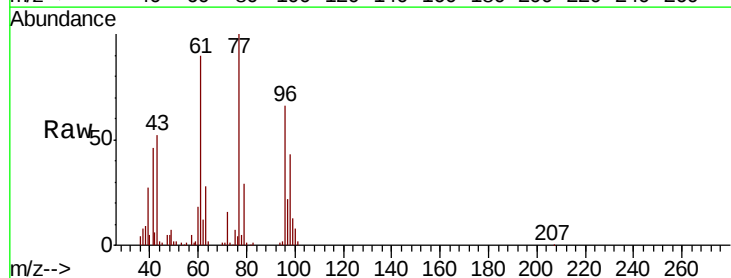
Acq: 23 Oct 2020 16:27

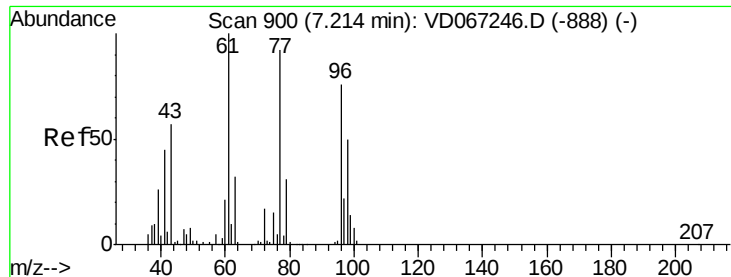
Tgt Ion: 77 Resp: 238926

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2



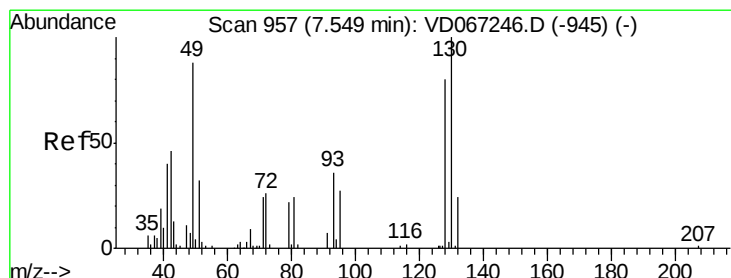
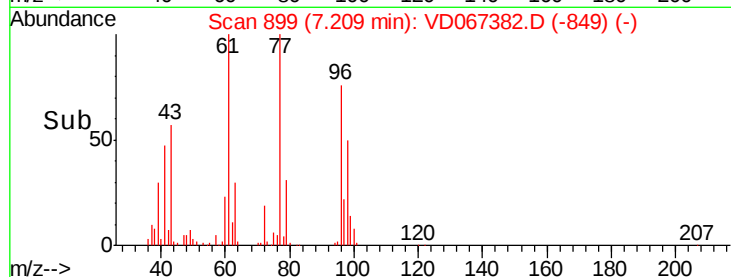
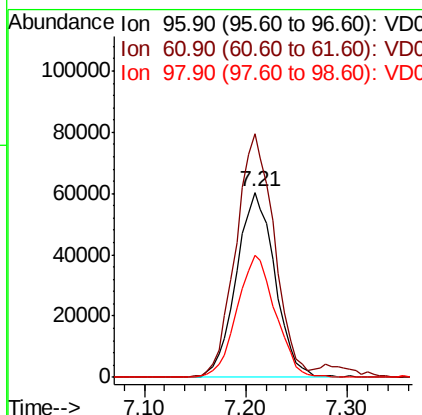
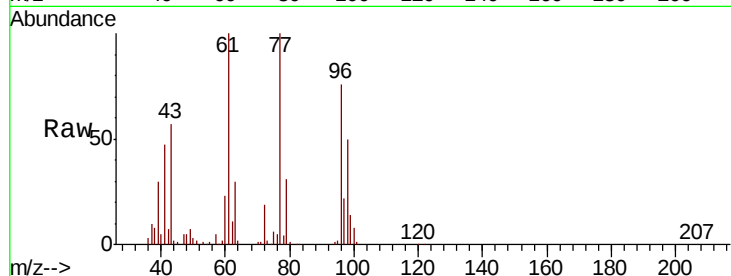


#27

cis-1,2-Dichloroethene
 Concen: 45.589 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

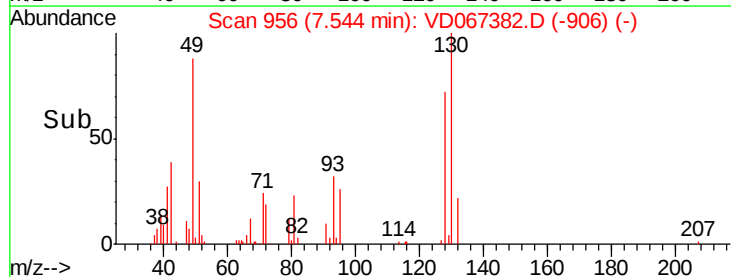
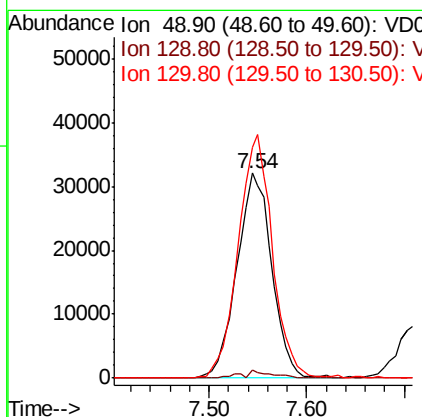
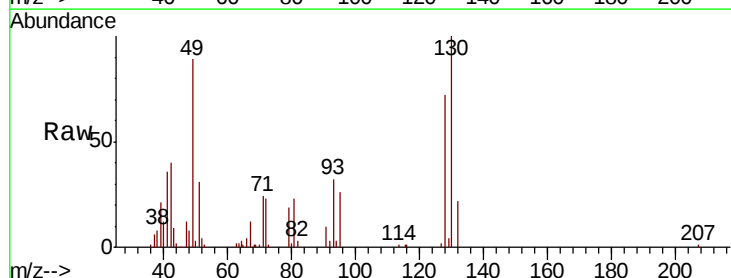
Tot Ion: 96 Resp: 159688
 Ion Ratio Lower Upper
 96 100
 61 130.7 0.0 255.4
 98 65.5 0.0 128.0

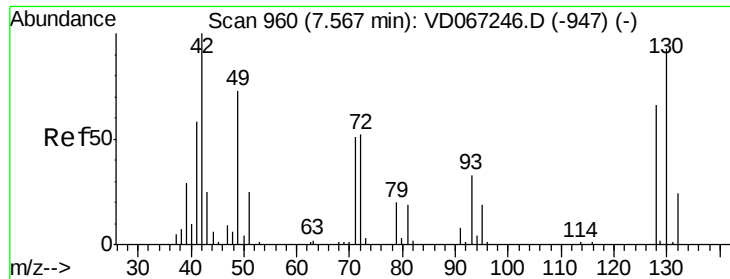


#28

Bromochloromethane
 Concen: 47.284 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion: 49 Resp: 80211
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 1.6#
 130 116.0 91.0 136.6

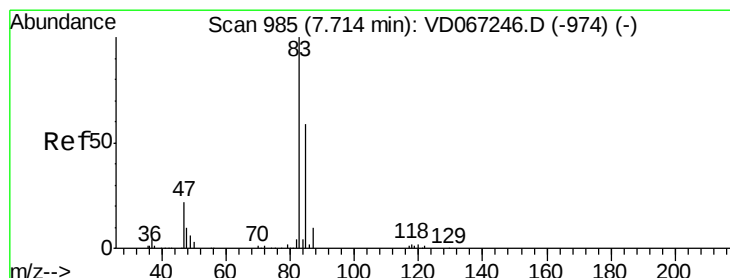
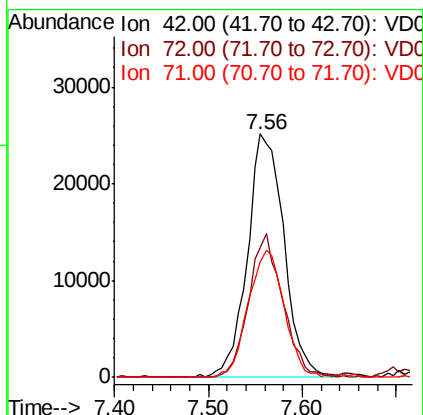
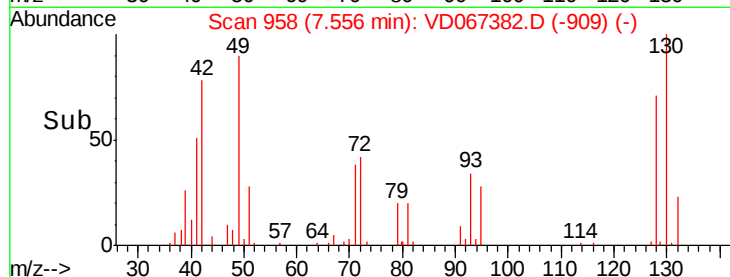
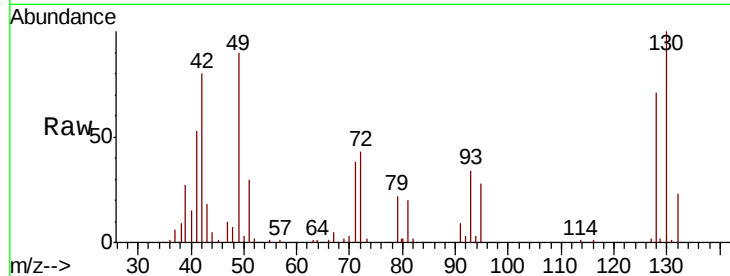




#29
Tetrahydrofuran
Concen: 227.216 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

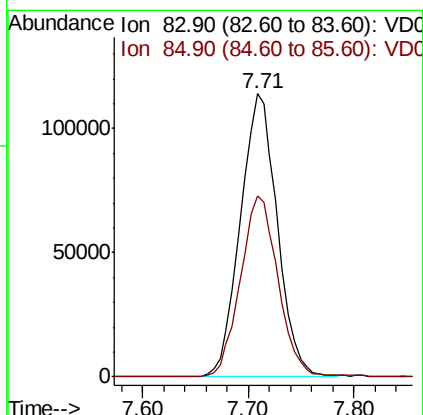
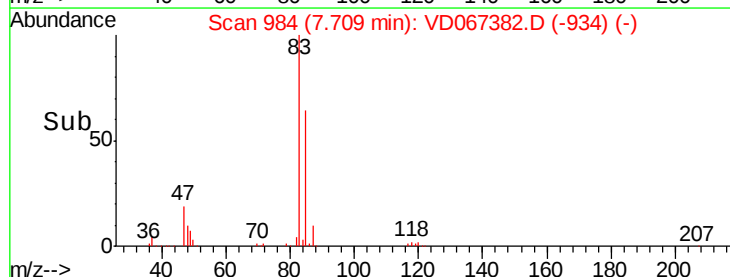
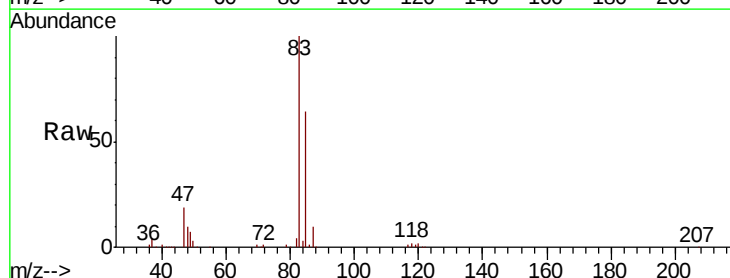
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

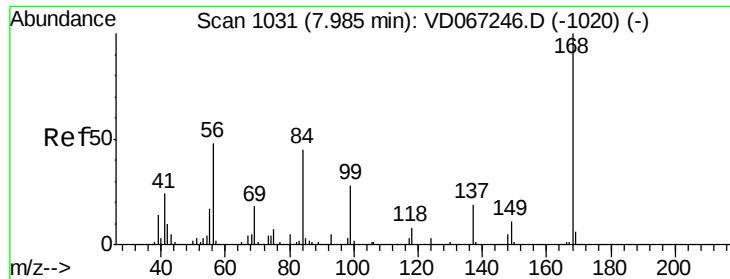
Tot Ion: 42 Resp: 67978
Ion Ratio Lower Upper
42 100
72 54.9 43.2 64.8
71 50.9 39.4 59.0



#30
Chloroform
Concen: 46.590 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 83 Resp: 276800
Ion Ratio Lower Upper
83 100
85 64.0 47.3 70.9

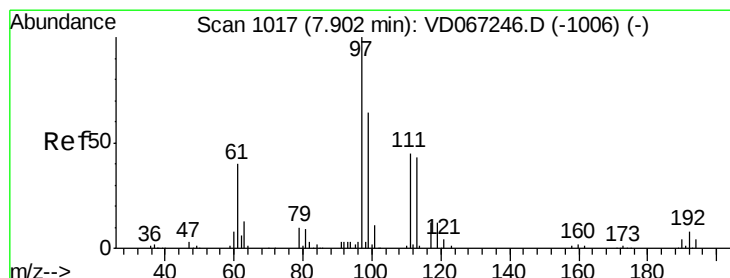
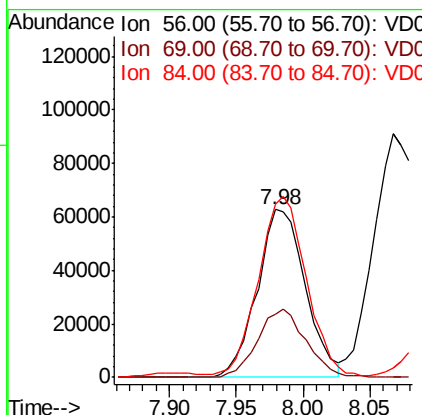
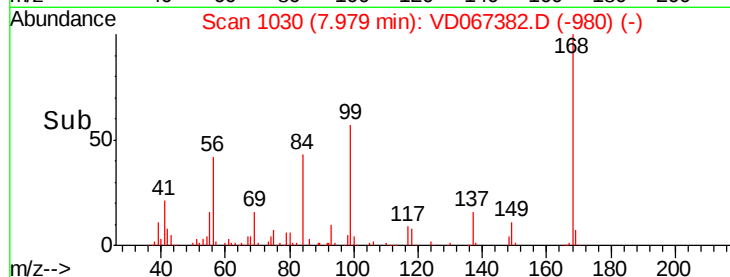
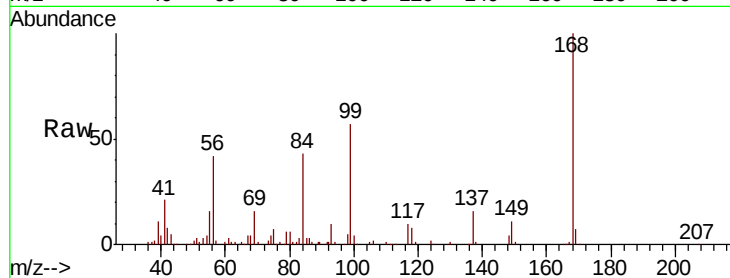




#31
Cyclohexane
Concen: 40.493 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

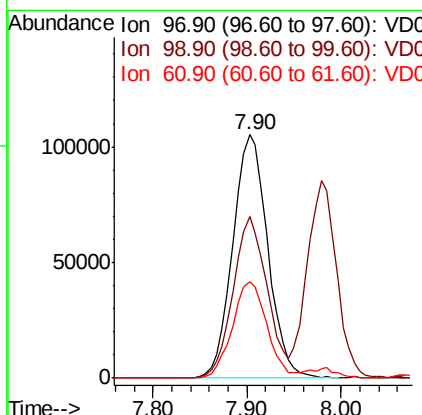
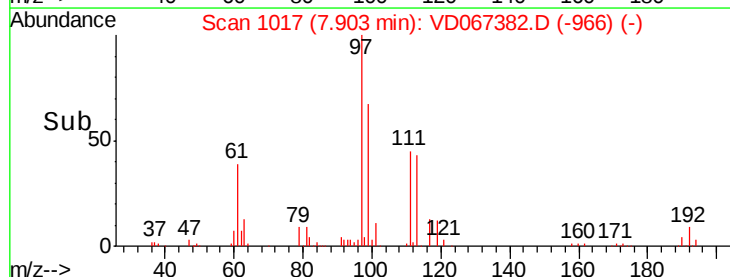
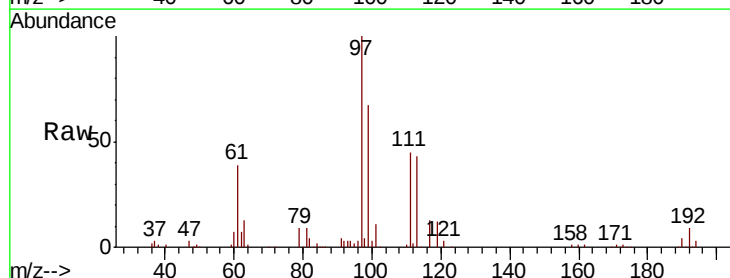
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

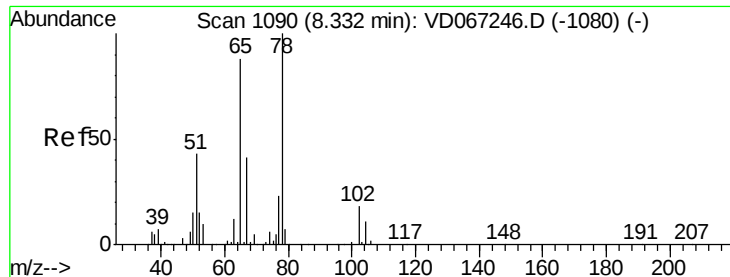
Tot Ion: 56 Resp: 157237
Ion Ratio Lower Upper
56 100
69 36.9 29.8 44.6
84 100.9 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 46.583 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 97 Resp: 271545
Ion Ratio Lower Upper
97 100
99 64.8 50.2 75.4
61 39.4 30.5 45.7

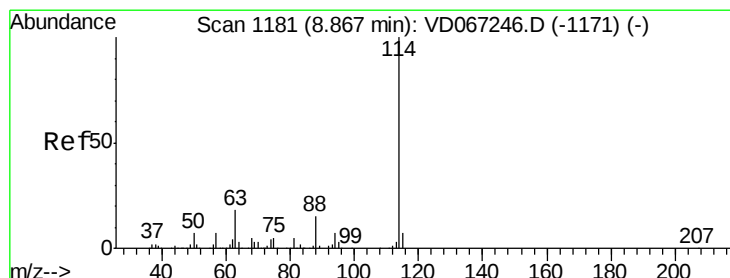
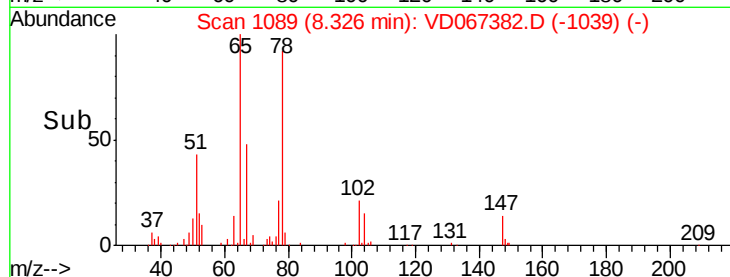
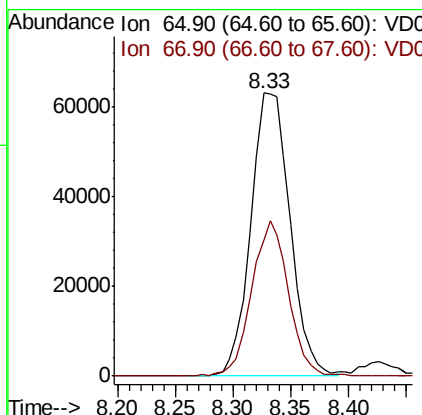
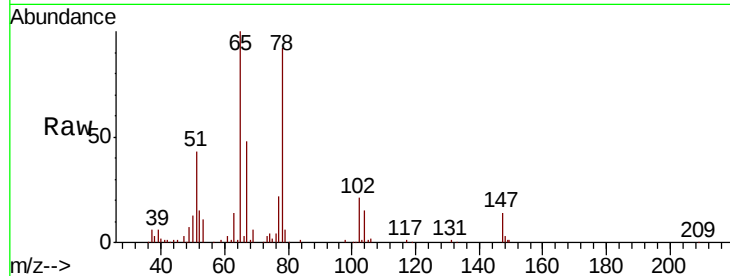




#33
 1,2-Dichloroethane-d4
 Concen: 44.498 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

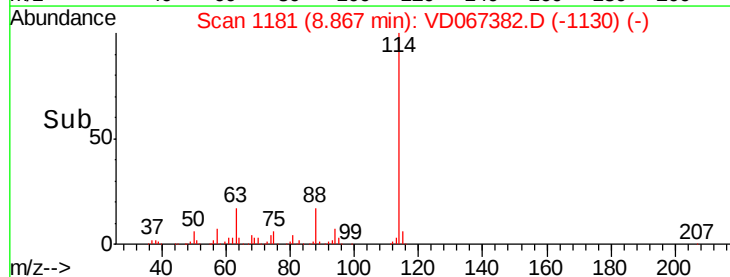
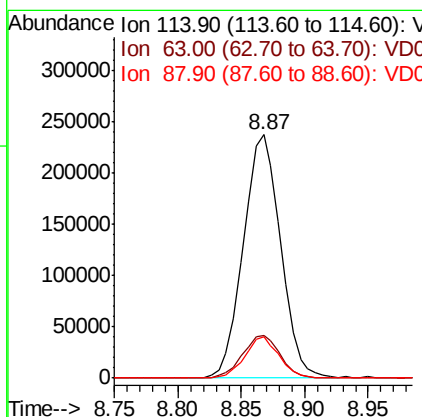
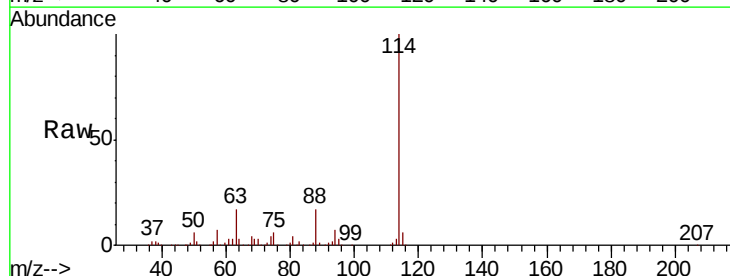
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

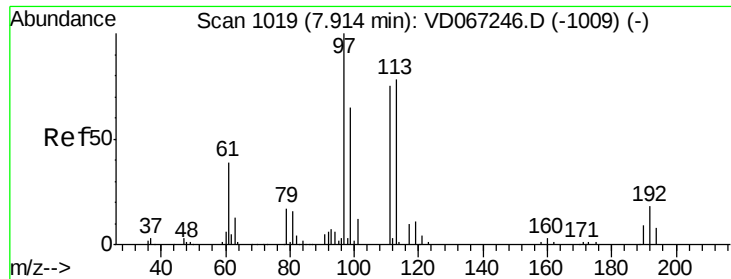
Tot Ion: 65 Resp: 150018
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion: 114 Resp: 484675
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.0
 88 16.9 0.0 30.6

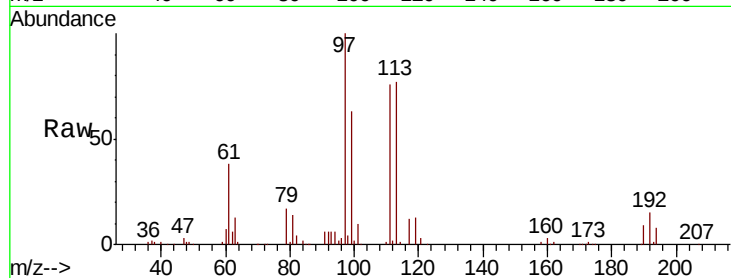




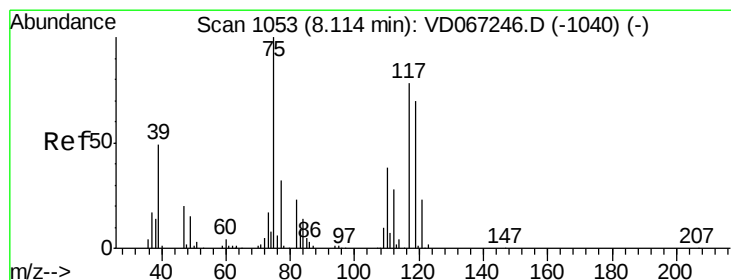
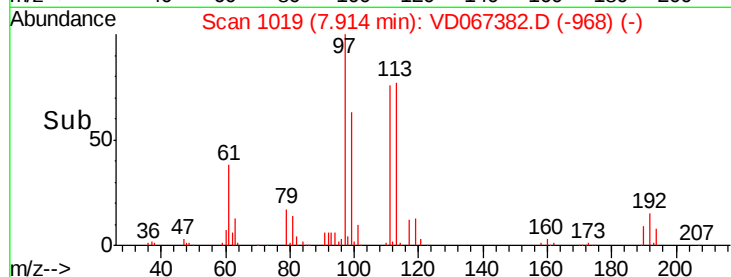
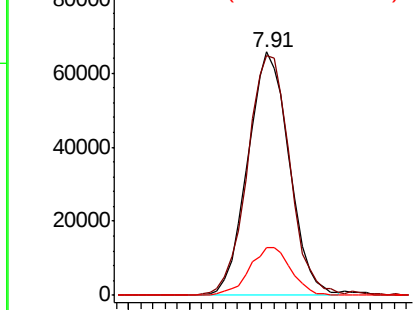
#35
 Dibromofluoromethane
 Concen: 48.847 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 157556
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.6 122.4
 192 19.7 17.0 25.4

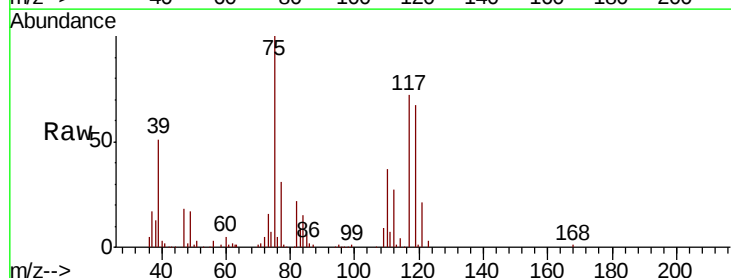


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

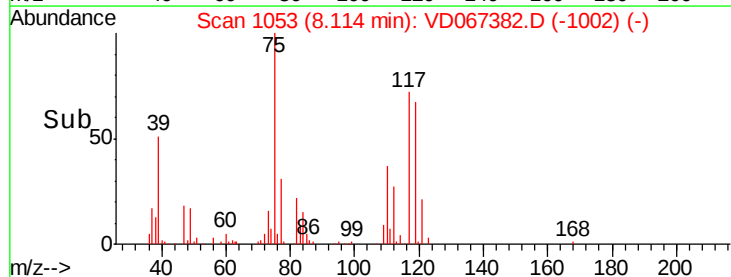
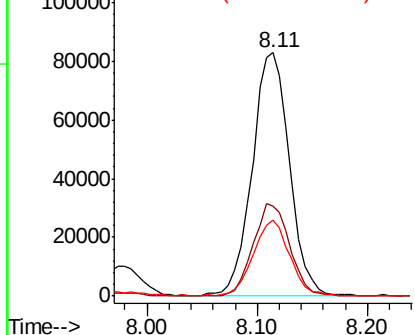


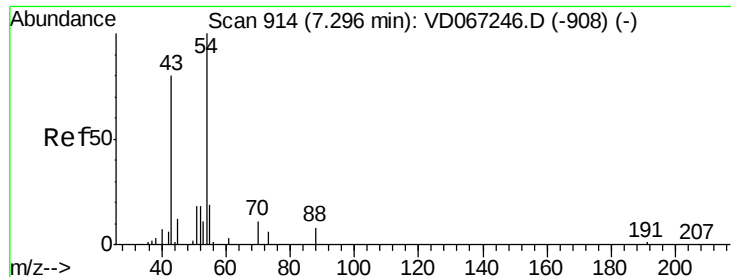
#36
 1,1-Dichloropropene
 Concen: 47.822 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion: 75 Resp: 196450
 Ion Ratio Lower Upper
 75 100
 110 37.2 19.6 58.7
 77 30.6 24.6 37.0



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: 46.668 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

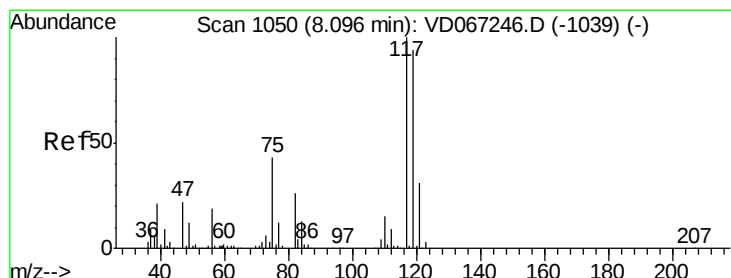
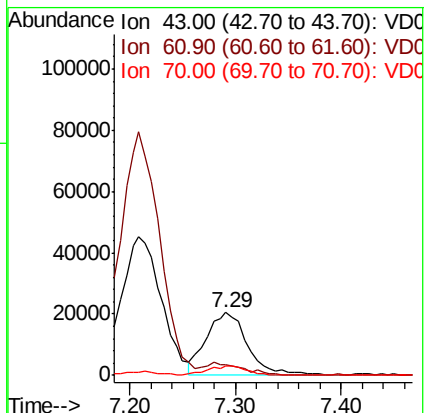
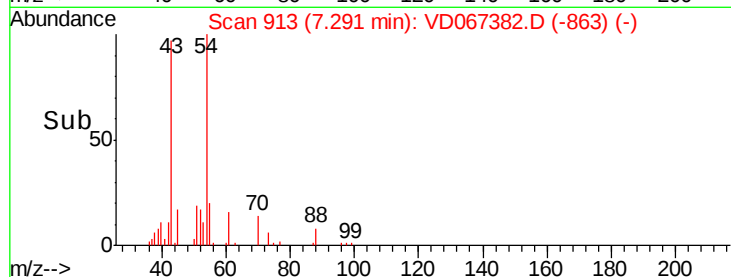
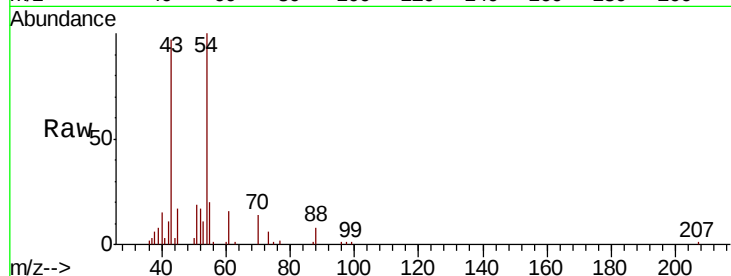
Tot Ion: 43 Resp: 56404

Ion Ratio Lower Upper

43 100

61 17.2 15.6 23.4

70 14.0 10.4 15.6



#38

Carbon Tetrachloride

Concen: 48.633 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

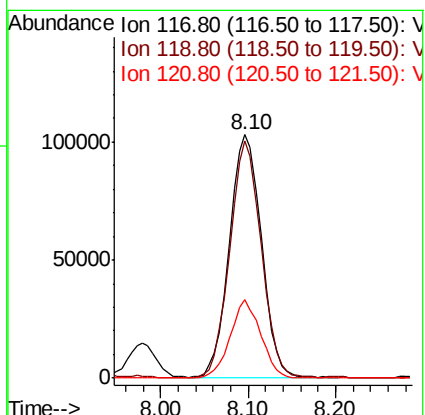
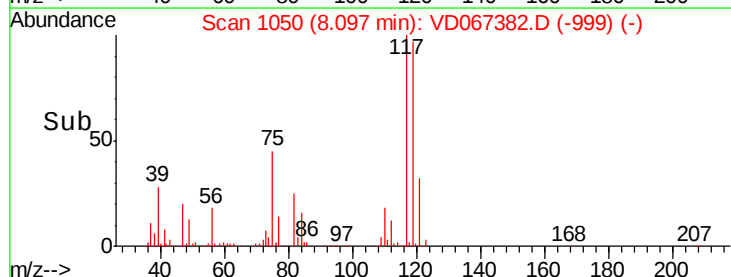
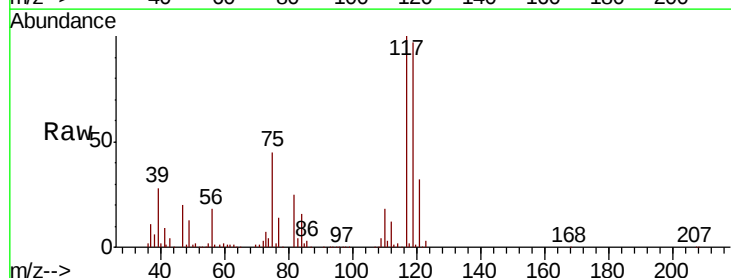
Tgt Ion: 117 Resp: 255341

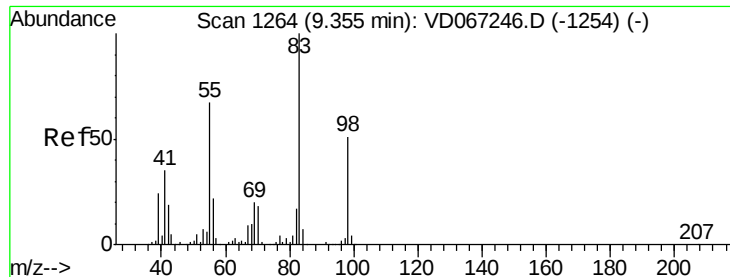
Ion Ratio Lower Upper

117 100

119 97.6 75.0 112.4

121 32.2 24.9 37.3

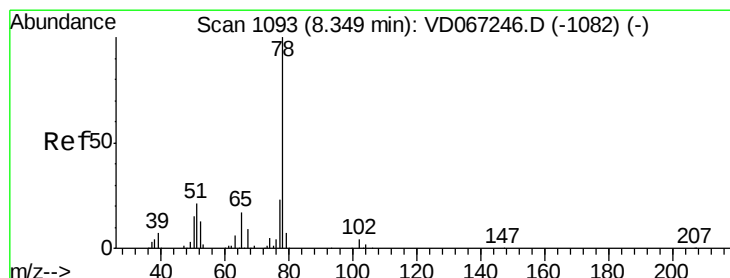
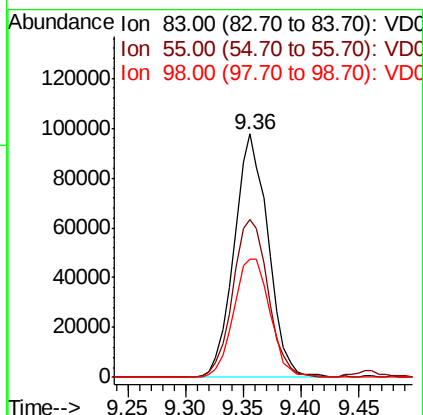
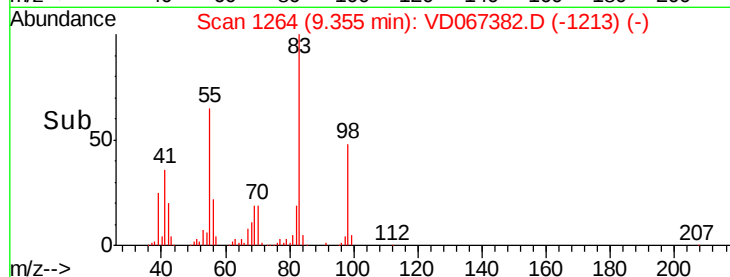
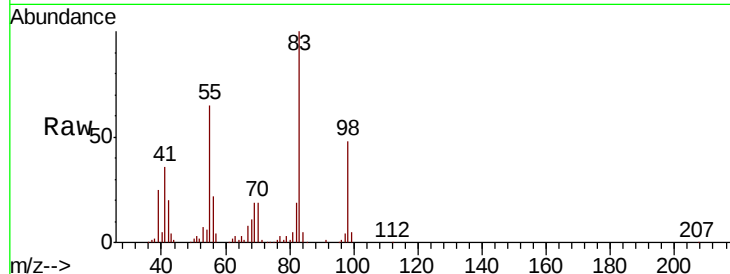




#39
Methvlcvclohexane
Concen: 46.489 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

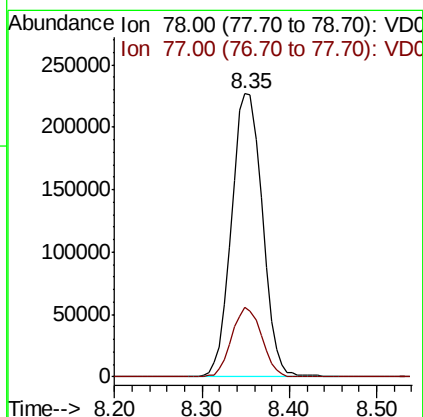
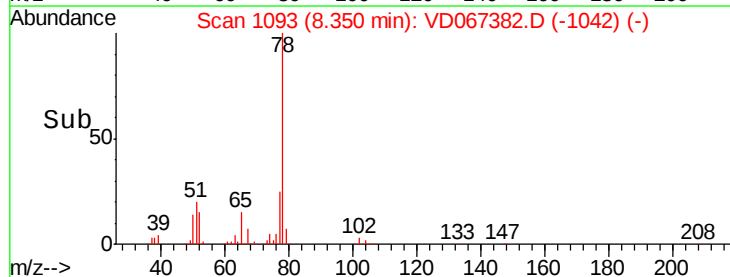
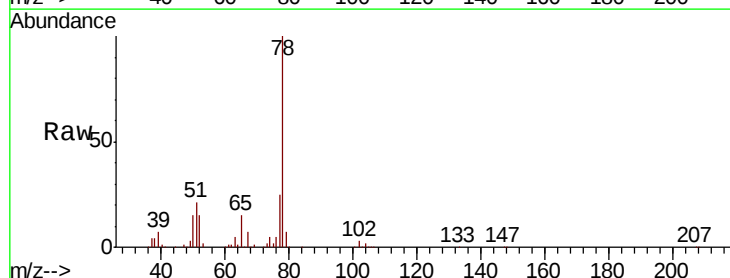
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

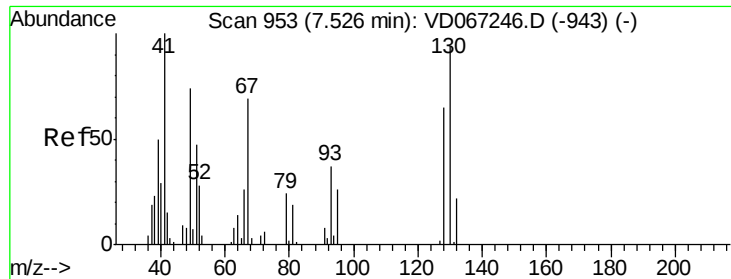
Tot Ion: 83 Resp: 199651
Ion Ratio Lower Upper
83 100
55 64.6 53.3 79.9
98 48.4 41.0 61.4



#40
Benzene
Concen: 48.224 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 78 Resp: 543475
Ion Ratio Lower Upper
78 100
77 24.7 18.3 27.5

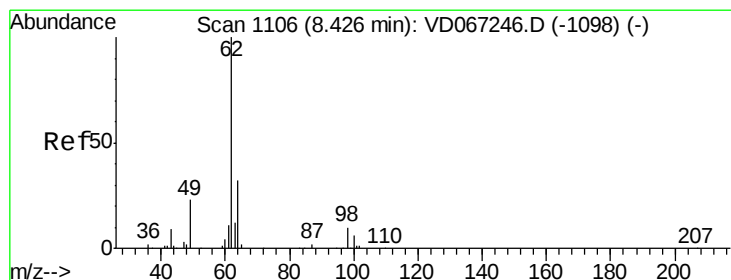
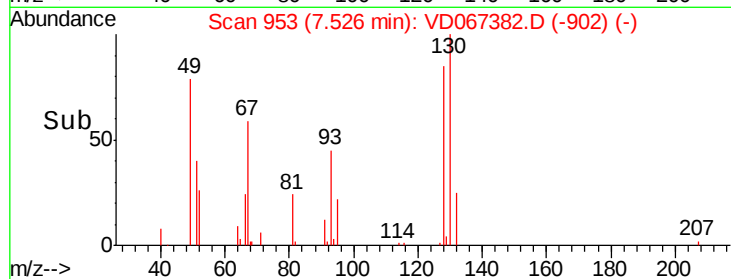
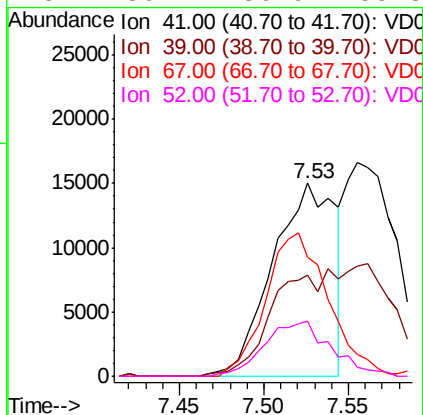
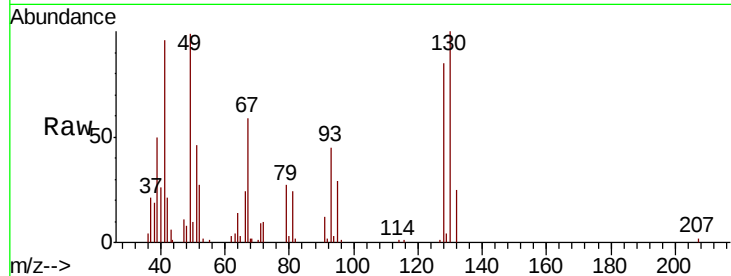




#41
Methacrylonitrile
Concen: 59.185 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

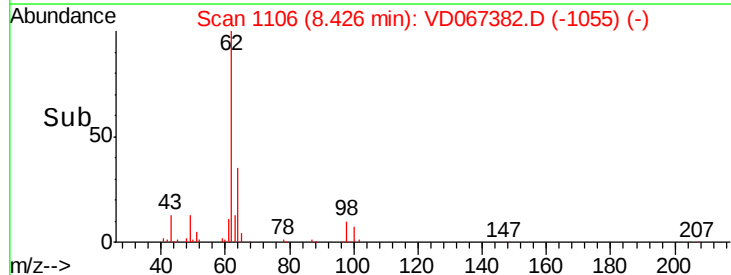
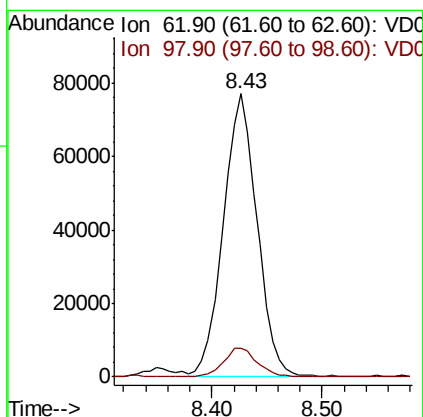
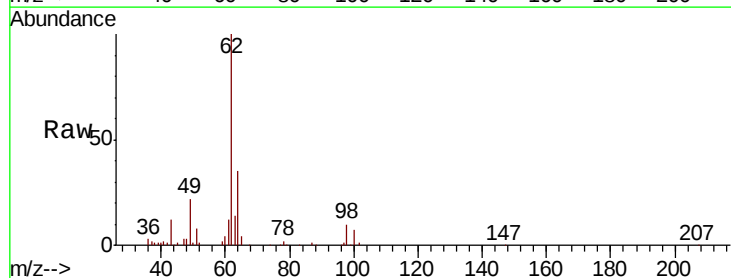
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

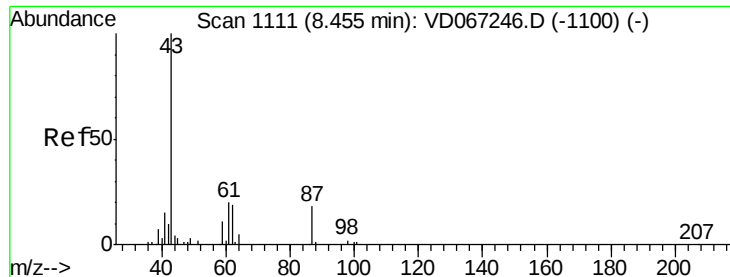
Tot Ion: 41 Resp: 38655
Ion Ratio Lower Upper
41 100
39 42.3 60.0 90.0#
67 74.0 88.9 133.3#
52 30.2 36.9 55.3#



#42
1,2-Dichloroethane
Concen: 46.526 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 62 Resp: 164088
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.4





#43

Isopropyl Acetate

Concen: 45.806 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

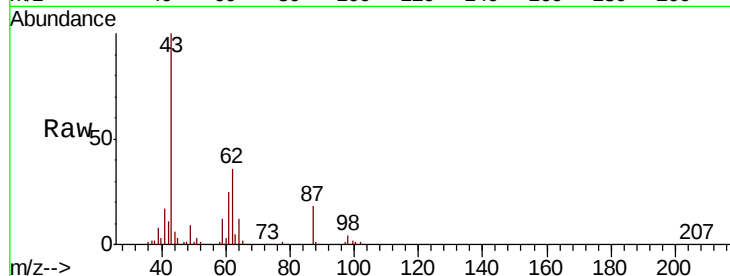
Tot Ion: 43 Resp: 109853

Ion Ratio Lower Upper

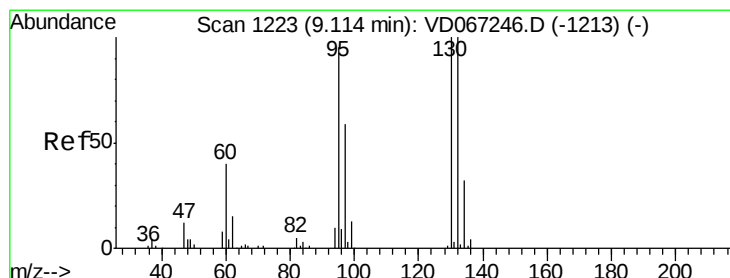
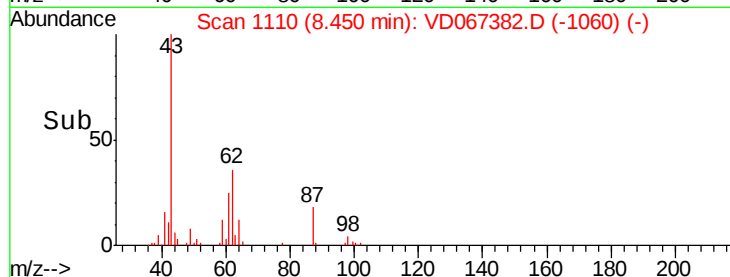
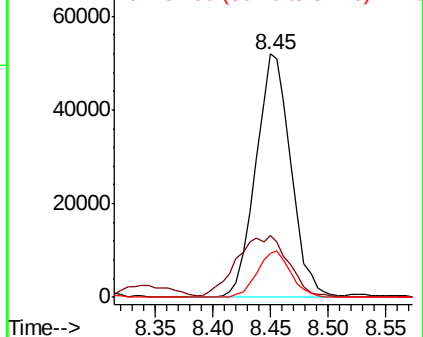
43 100

61 37.5 29.5 44.3

87 18.2 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.011 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067382.D

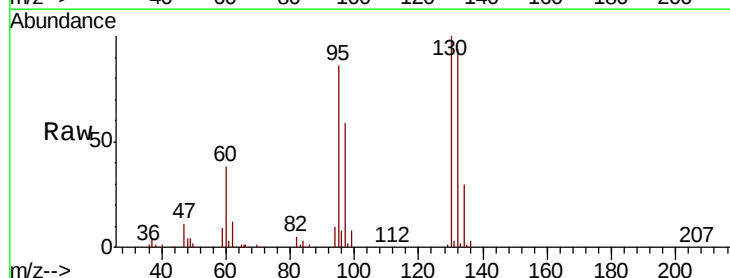
Acq: 23 Oct 2020 16:27

Tgt Ion:130 Resp: 176844

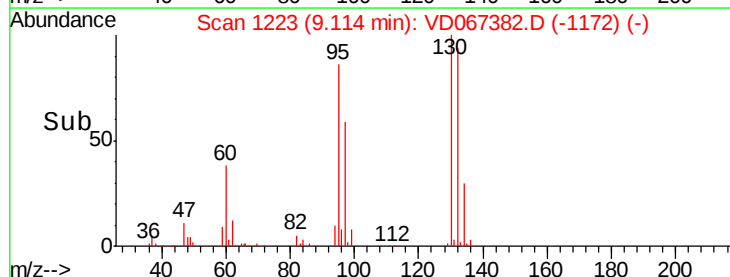
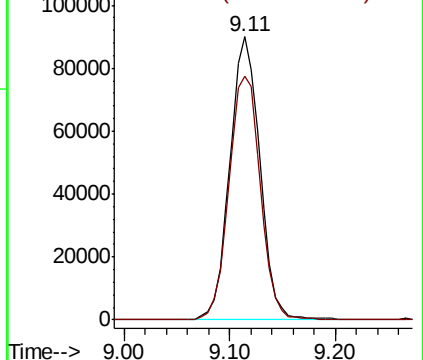
Ion Ratio Lower Upper

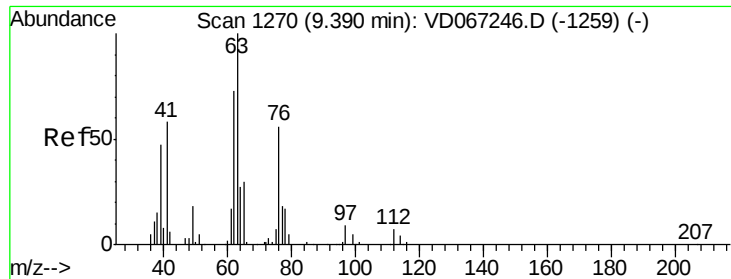
130 100

95 85.9 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

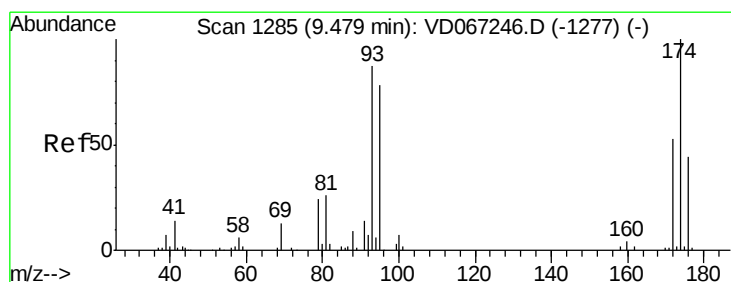
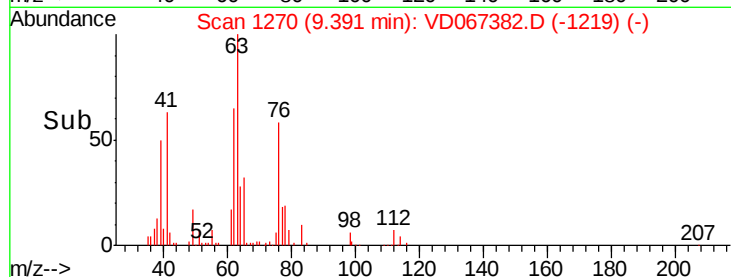
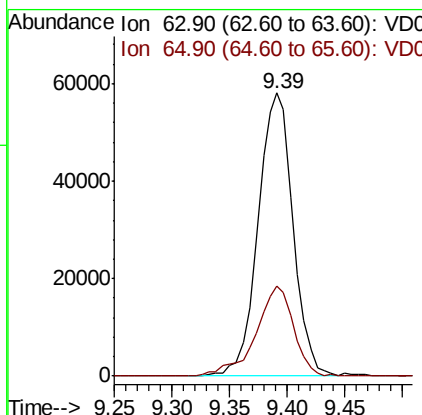
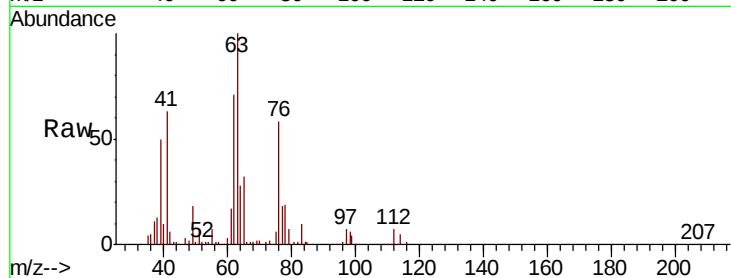




#45
 1,2-Dichloropropane
 Concen: 46.705 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

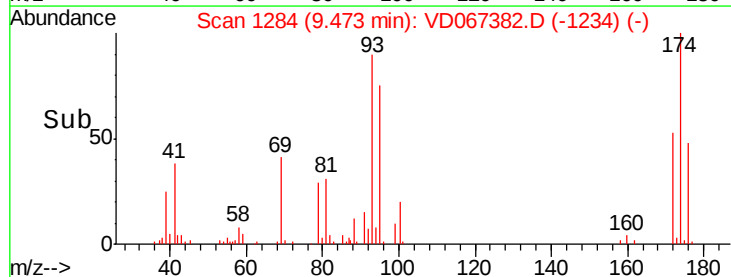
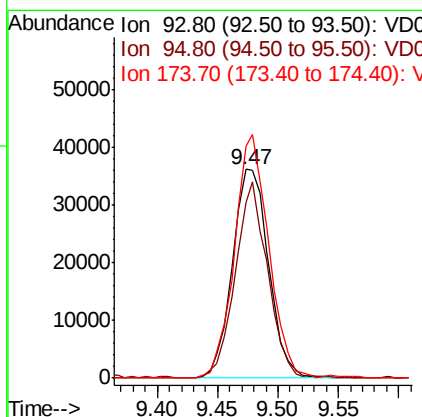
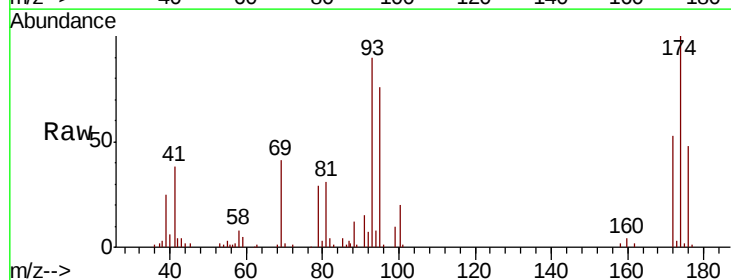
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

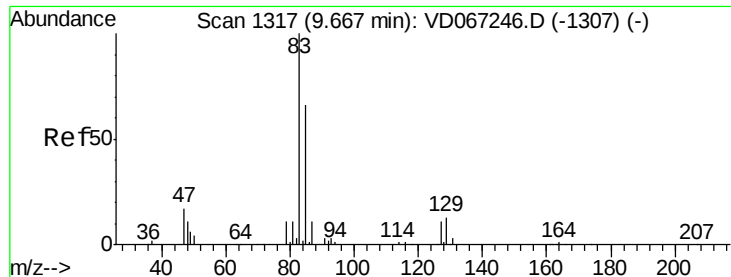
Tot Ion: 63 Resp: 121986
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.6 36.8



#46
 Dibromomethane
 Concen: 46.435 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion: 93 Resp: 75564
 Ion Ratio Lower Upper
 93 100
 95 84.4 68.0 102.0
 174 110.0 91.8 137.6

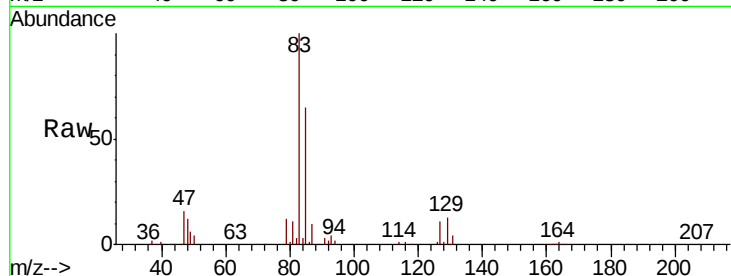




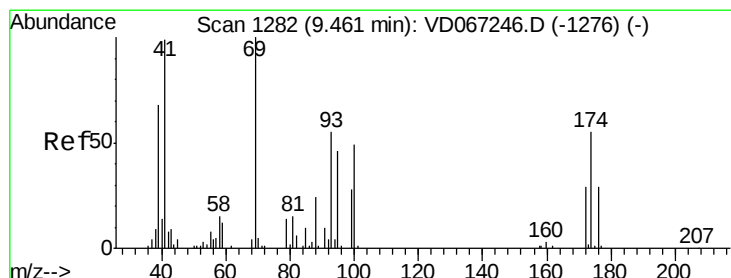
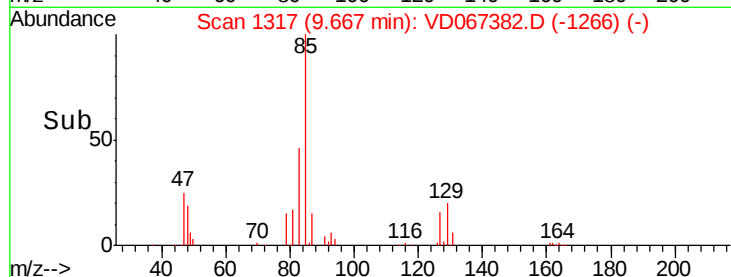
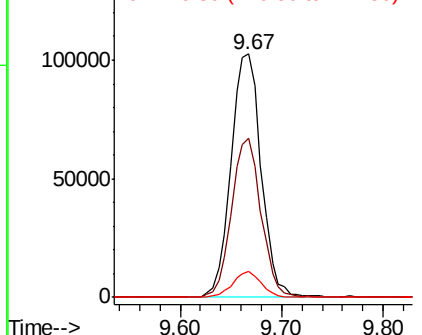
#47
Bromodichloromethane
Concen: 48.651 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 212115
Ion Ratio Lower Upper
83 100
85 65.4 53.1 79.7
127 10.5 8.6 13.0

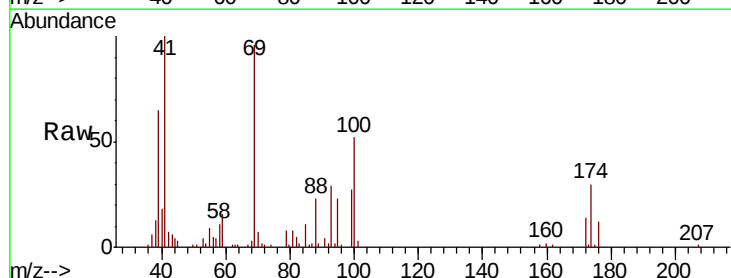


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

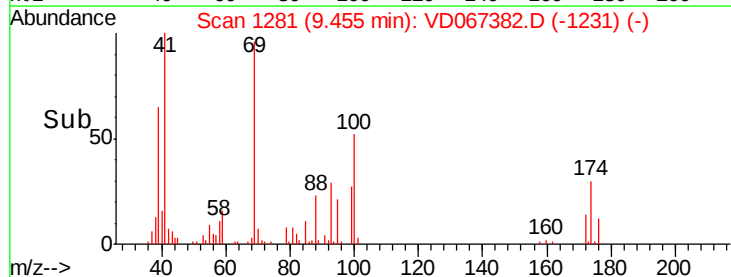
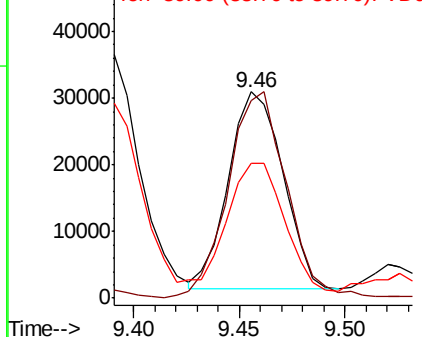


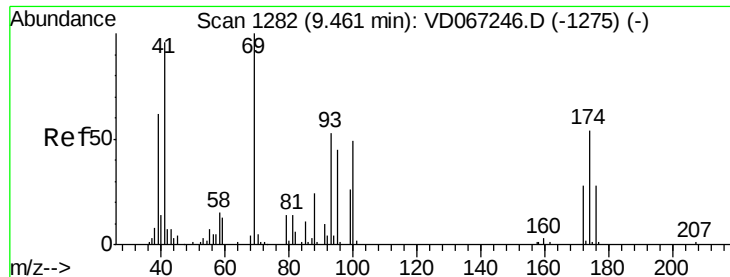
#48
Methyl methacrylate
Concen: 45.337 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 41 Resp: 52839
Ion Ratio Lower Upper
41 100
69 113.5 89.0 133.6
39 74.4 60.2 90.2



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: 1020.304 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

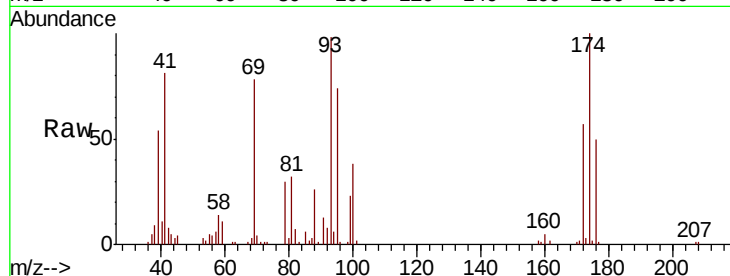
Tot Ion: 88 Resp: 16058

Ion Ratio Lower Upper

88 100

43 28.5 23.9 35.9

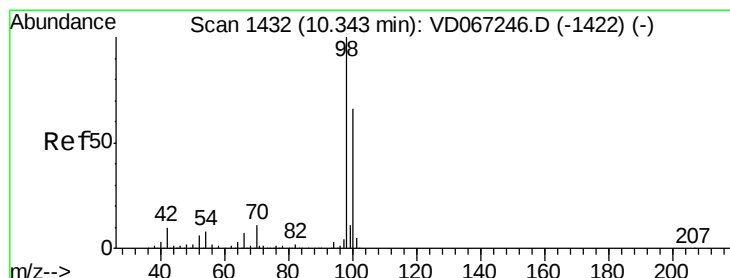
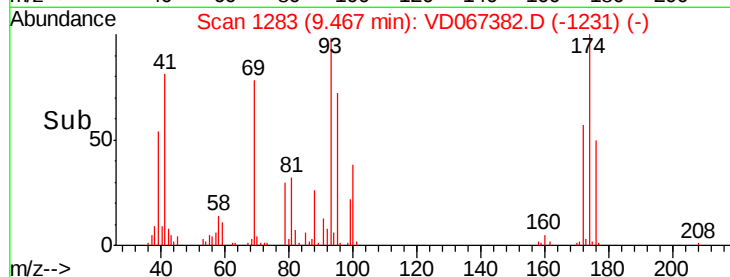
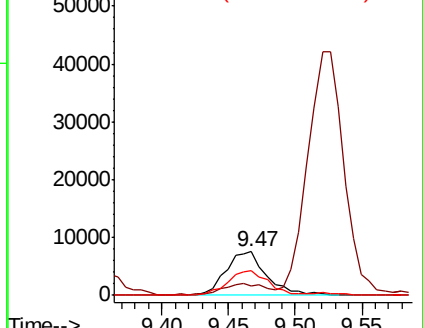
58 55.8 51.0 76.6



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: 48.748 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067382.D

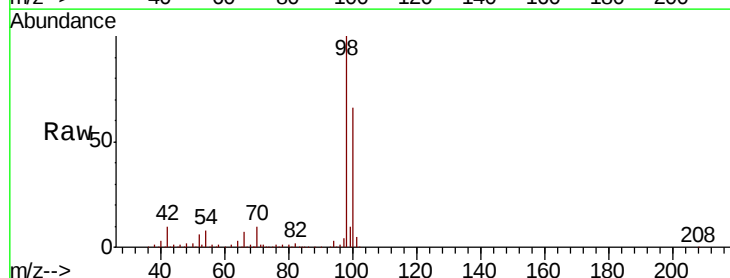
Acq: 23 Oct 2020 16:27

Tgt Ion: 98 Resp: 569028

Ion Ratio Lower Upper

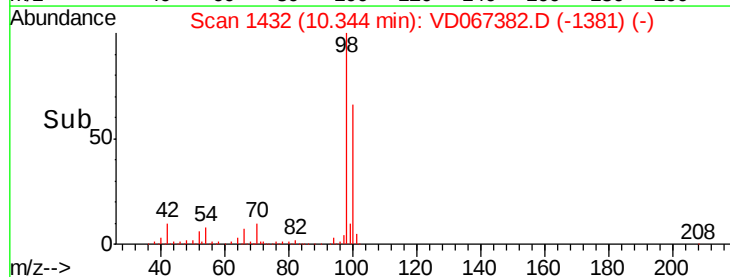
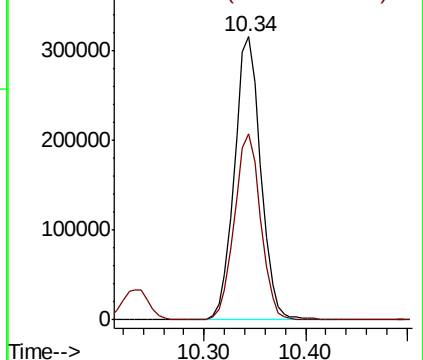
98 100

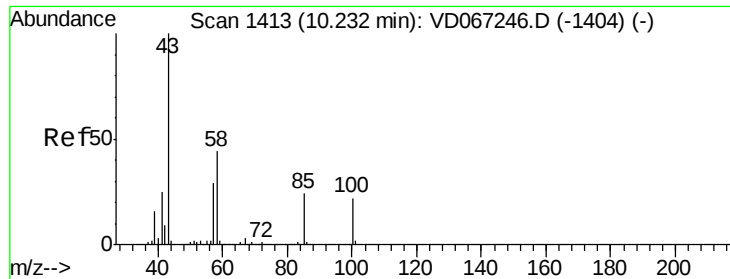
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 233.796 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

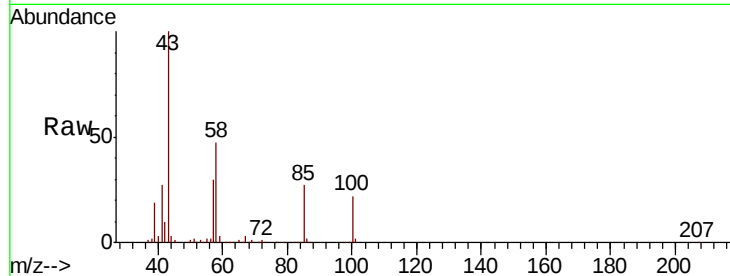
VSTDCCC050EC

Tot Ion: 43 Resp: 279659

Ion Ratio Lower Upper

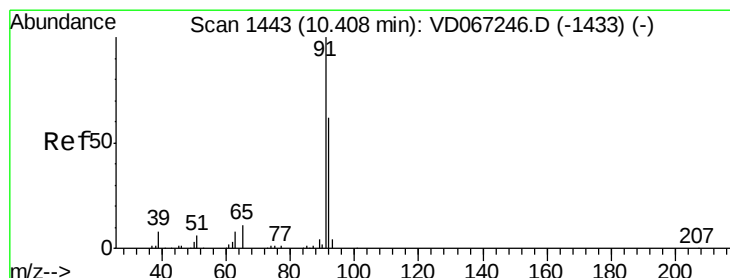
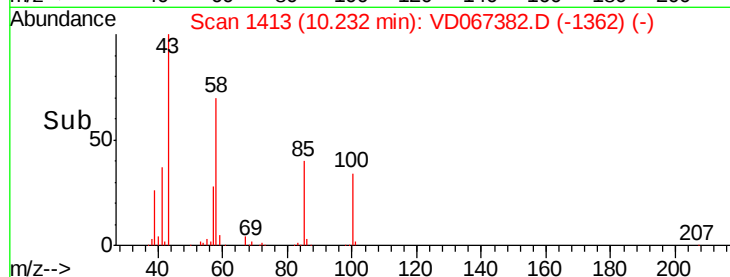
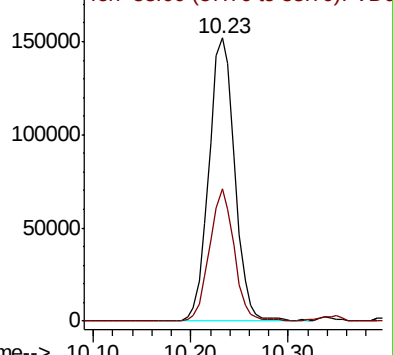
43 100

58 44.3 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.169 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067382.D

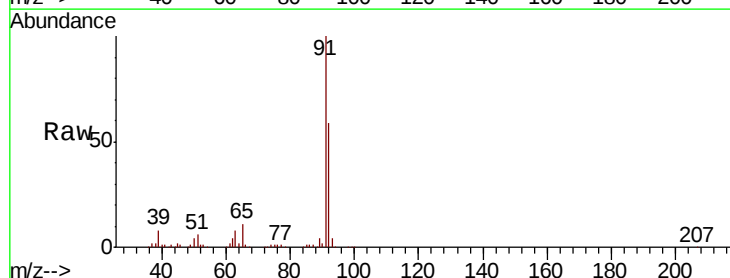
Acq: 23 Oct 2020 16:27

Tgt Ion: 92 Resp: 377410

Ion Ratio Lower Upper

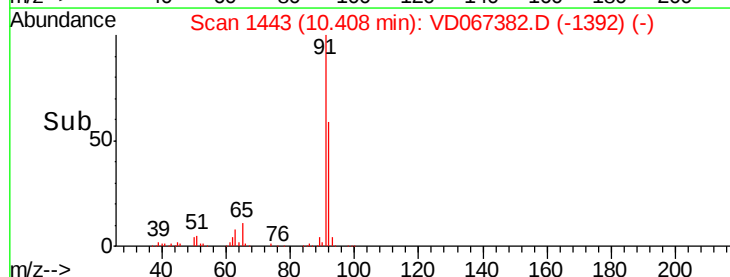
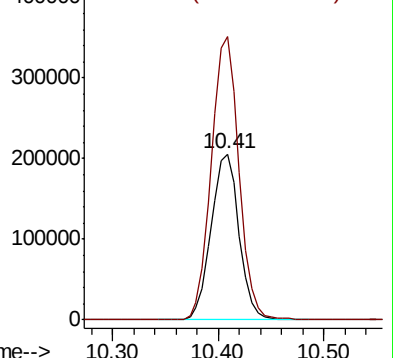
92 100

91 169.2 133.8 200.8



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: 48.214 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

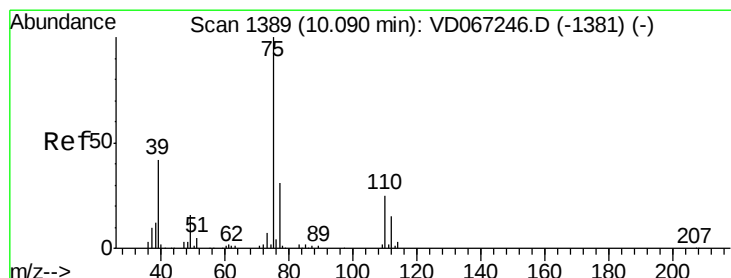
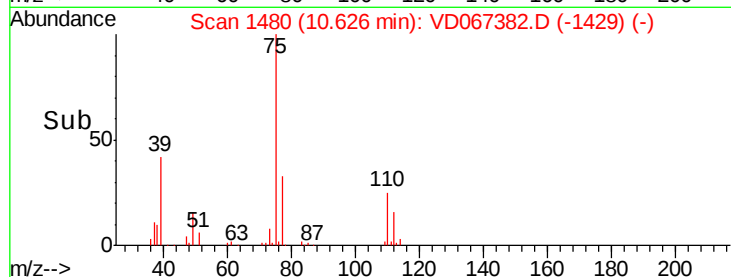
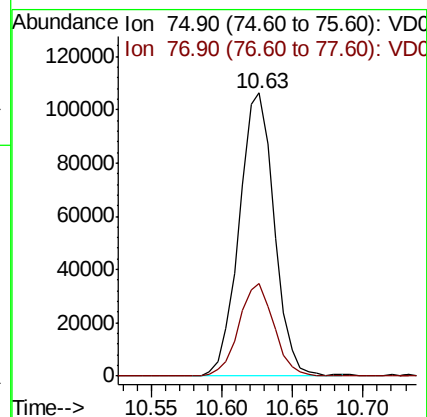
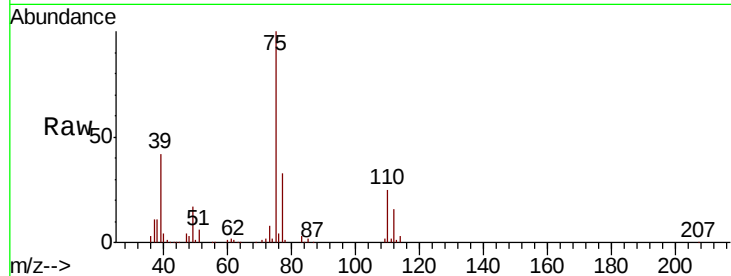
VSTDCCC050EC

Tot Ion: 75 Resp: 184660

Ion Ratio Lower Upper

75 100

77 32.7 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 47.788 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

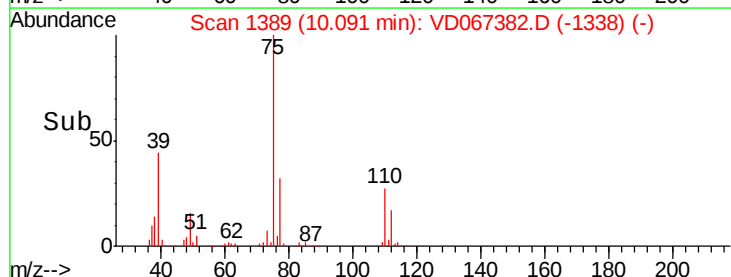
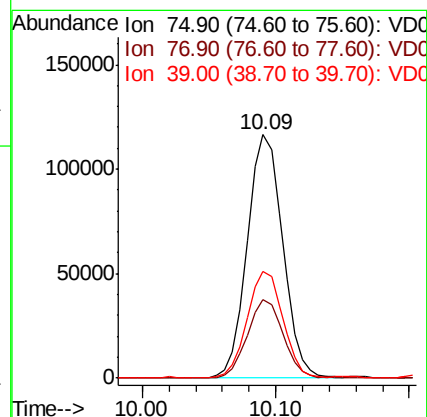
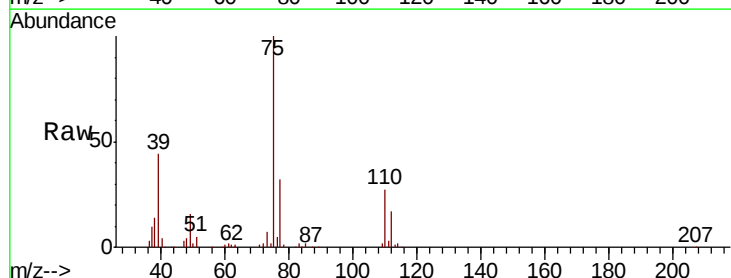
Tgt Ion: 75 Resp: 214200

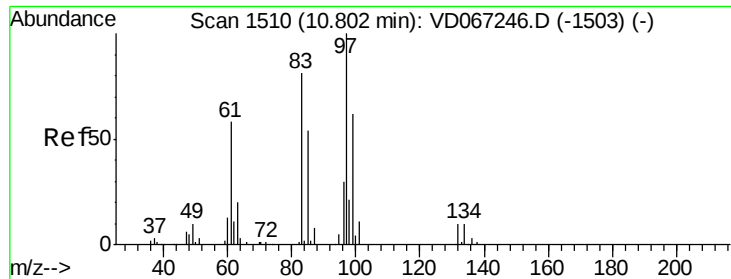
Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7

39 43.5 33.7 50.5

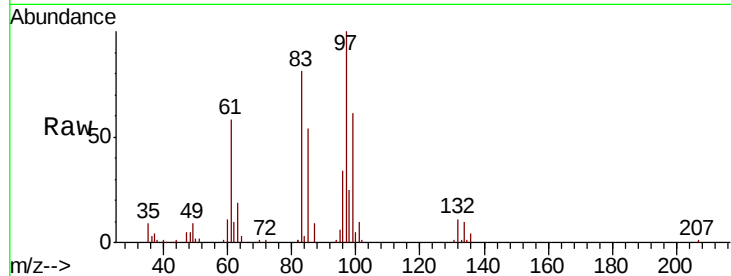




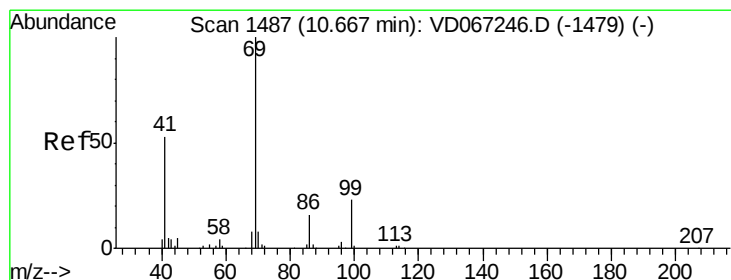
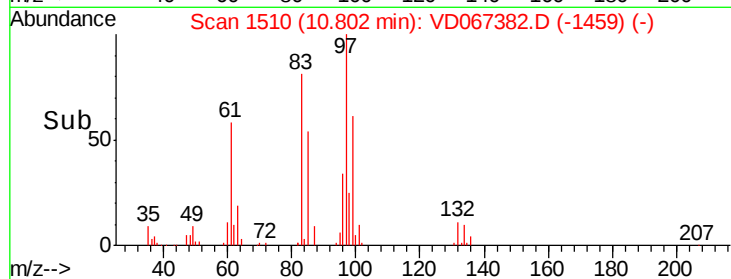
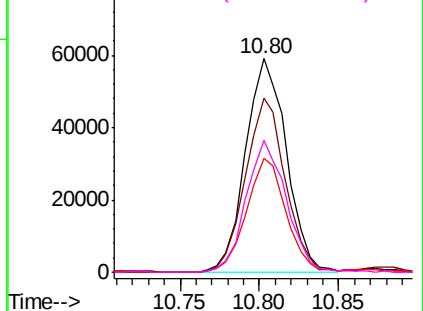
#55
 1,1,2-Trichloroethane
 Concen: 47.699 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	105847
Ion	Ratio	Lower	Upper
97	100		
83	81.4	64.9	97.3
85	53.5	43.3	64.9
99	61.4	49.1	73.7

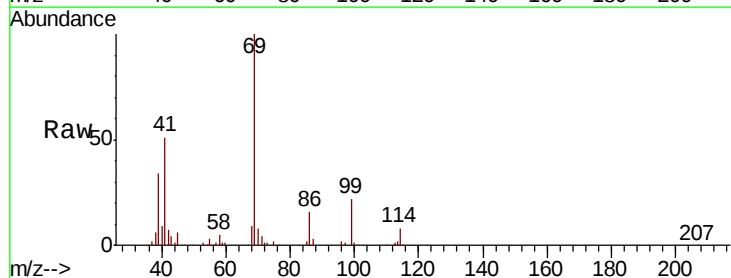


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

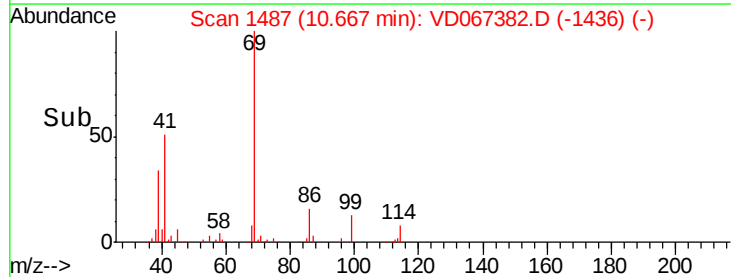
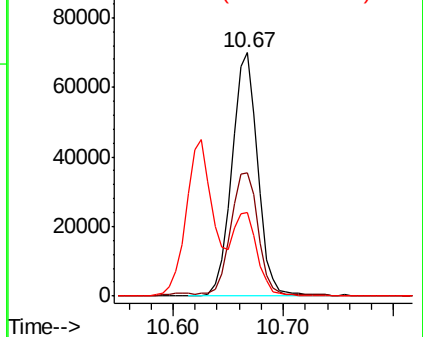


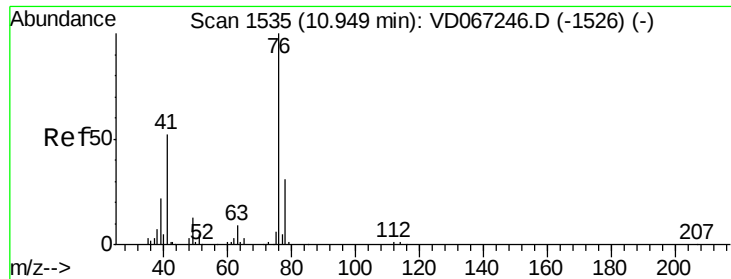
#56
 Ethyl methacrylate
 Concen: 49.896 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion:	69	Resp:	114830
Ion	Ratio	Lower	Upper
69	100		
41	55.0	44.7	67.1
39	31.1	26.2	39.2



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: 47.765 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

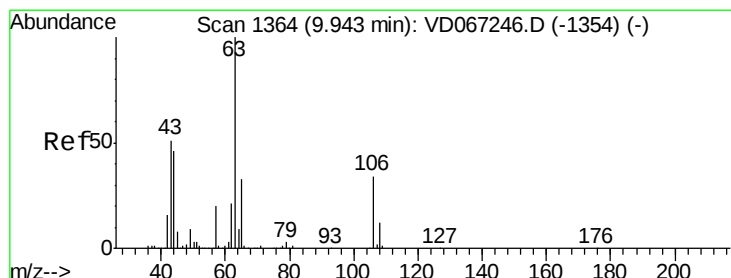
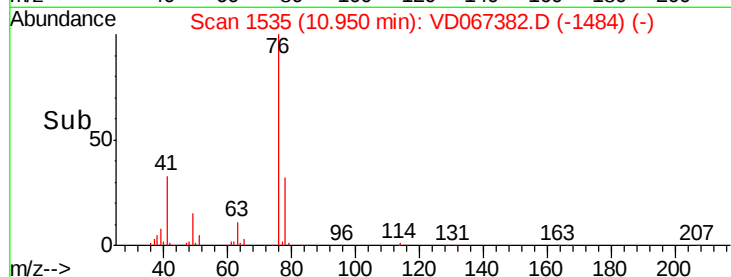
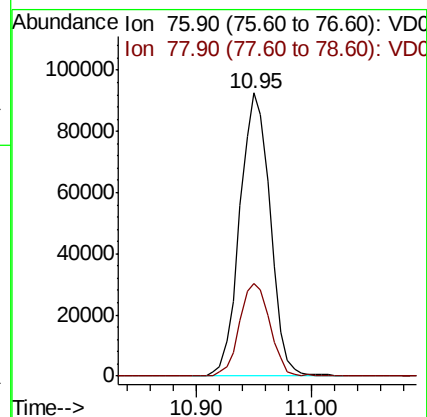
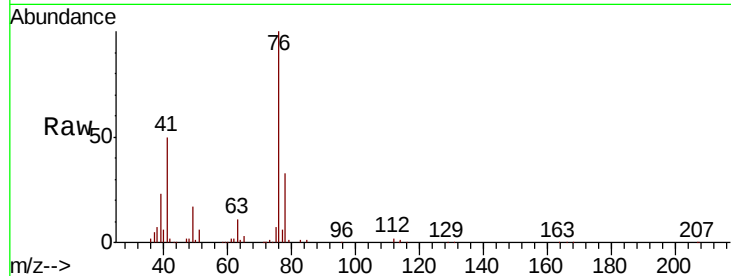
VSTDCCC050EC

Tot Ion: 76 Resp: 168679

Ion Ratio Lower Upper

76 100

78 33.0 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 250.178 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067382.D

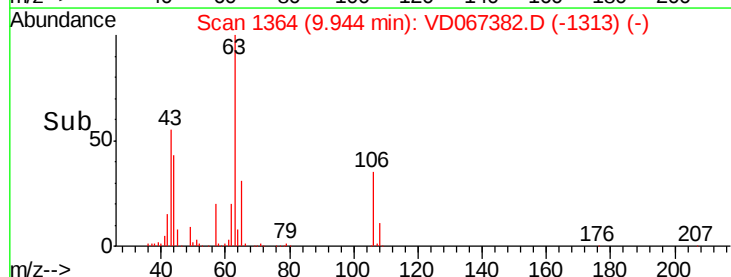
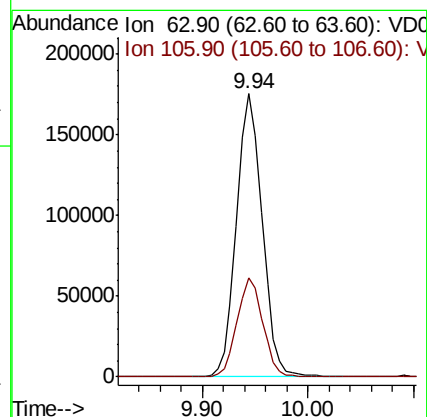
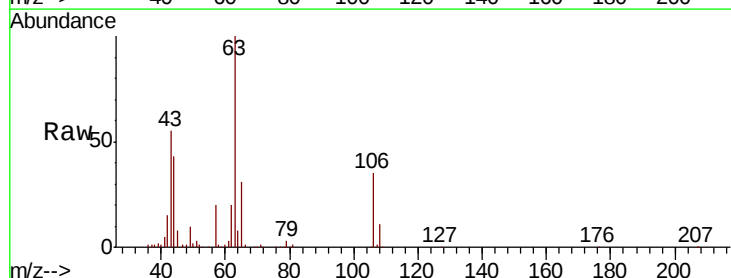
Acq: 23 Oct 2020 16:27

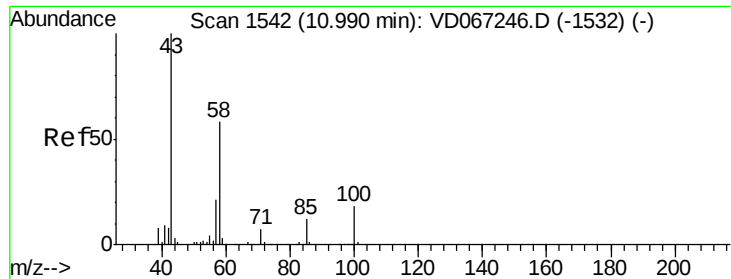
Tgt Ion: 63 Resp: 295364

Ion Ratio Lower Upper

63 100

106 35.1 27.8 41.6

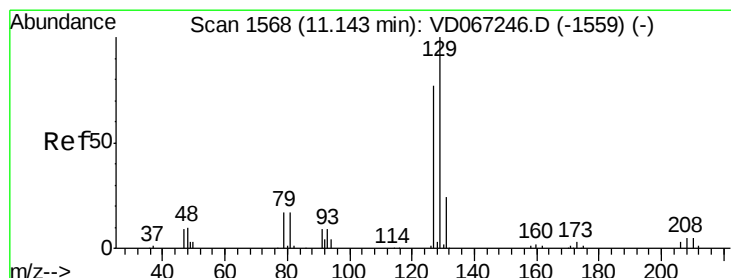
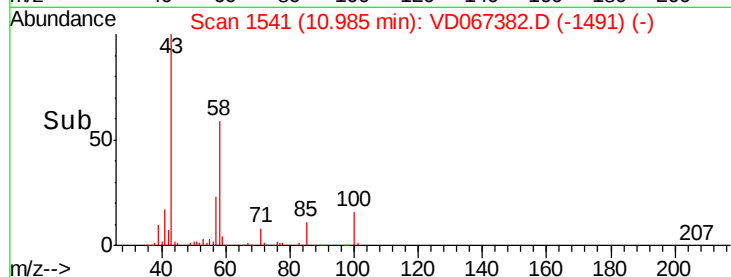
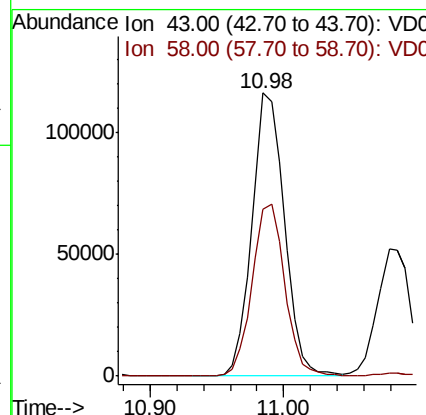
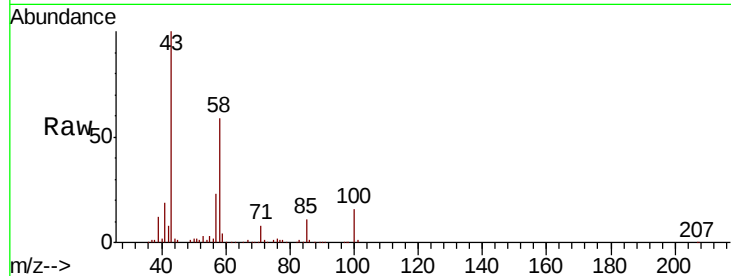




#59
2-Hexanone
Concen: 239.340 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

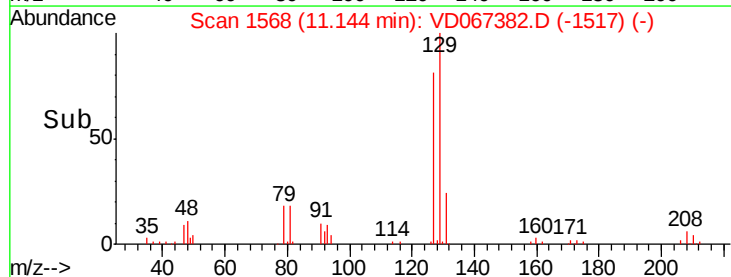
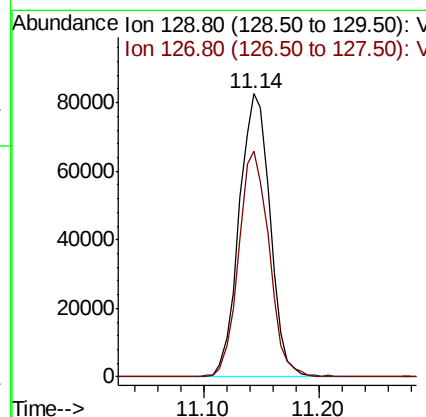
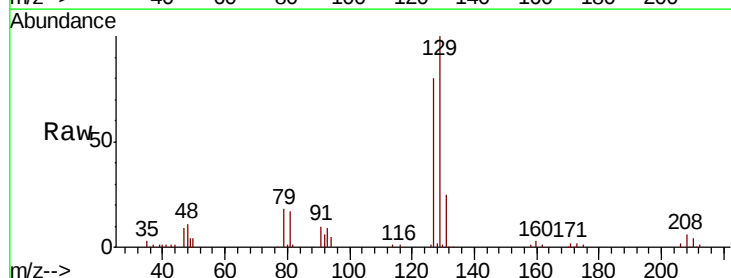
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

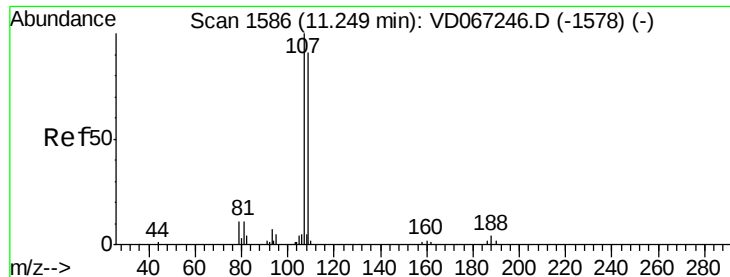
Tot Ion: 43 Resp: 195631
Ion Ratio Lower Upper
43 100
58 60.9 29.3 87.9



#60
Dibromochloromethane
Concen: 47.336 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 129 Resp: 153188
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.8

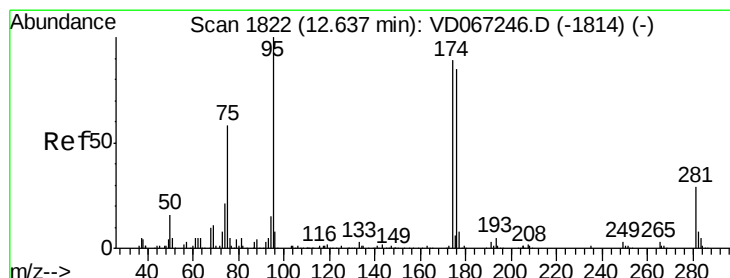
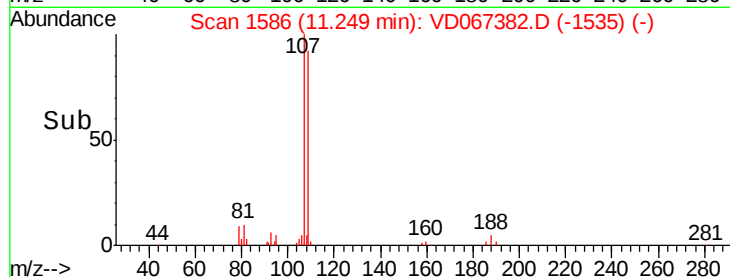
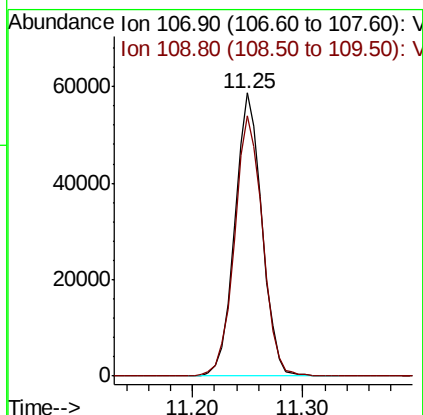
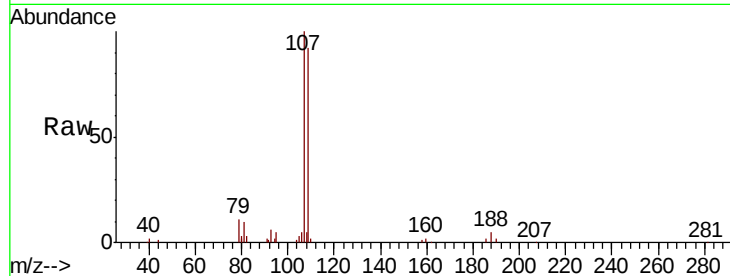




#61
 1,2-Dibromoethane
 Concen: 46.370 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

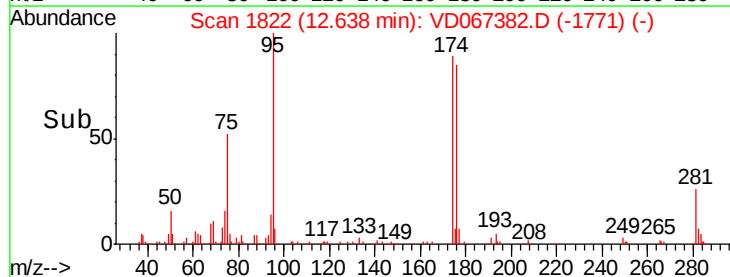
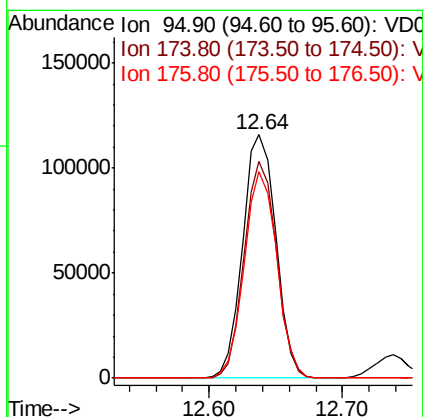
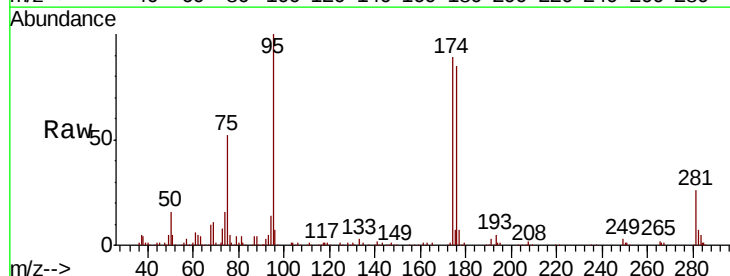
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 101443
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.970 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion: 95 Resp: 198763
 Ion Ratio Lower Upper
 95 100
 174 86.7 0.0 175.2
 176 83.5 0.0 168.6

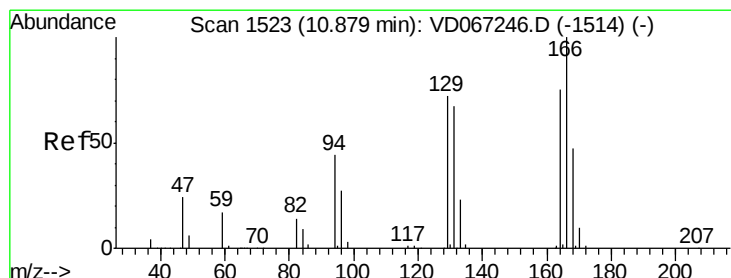
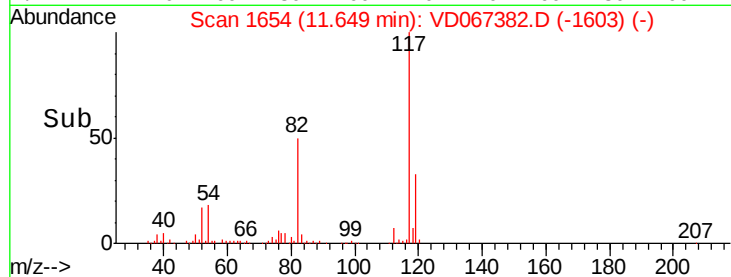
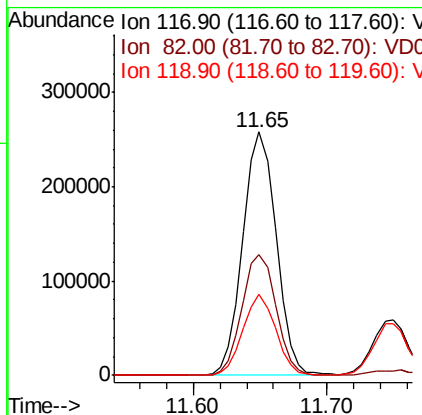
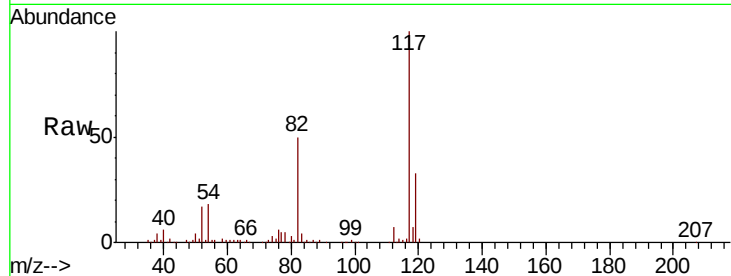




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

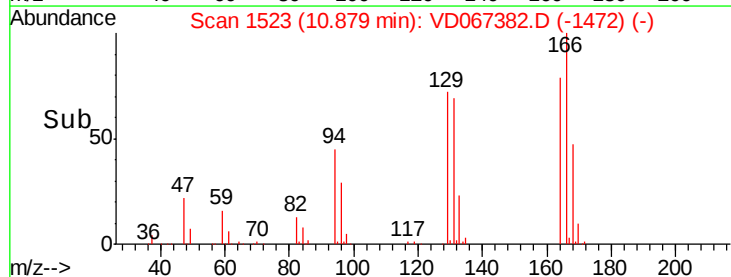
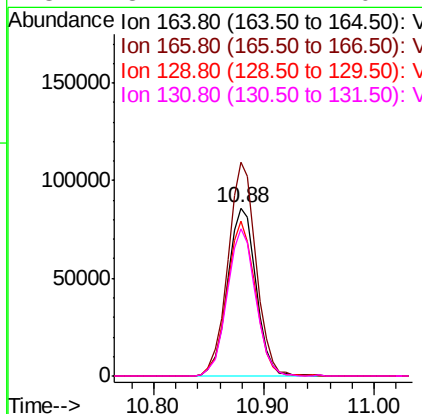
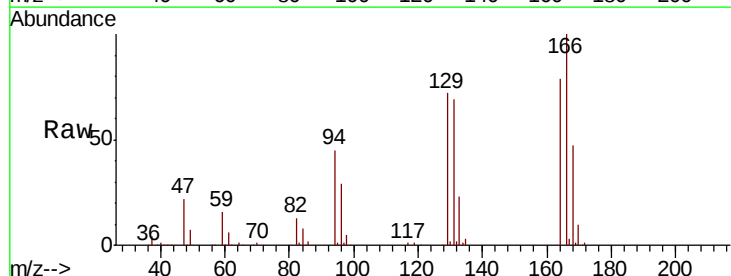
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

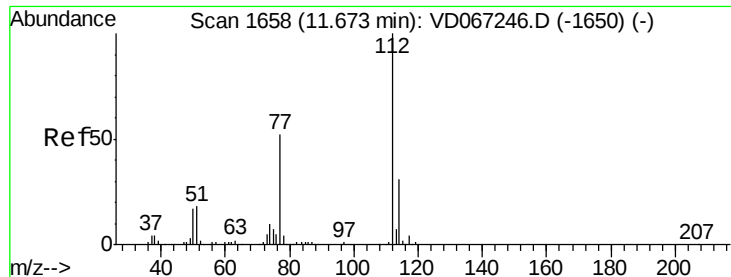
Tot Ion:117 Resp: 448050
Ion Ratio Lower Upper
117 100
82 49.5 39.9 59.9
119 33.3 24.9 37.3



#64
Tetrachloroethene
Concen: 47.916 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion:164 Resp: 155547
Ion Ratio Lower Upper
164 100
166 127.1 107.3 160.9
129 91.8 77.3 115.9
131 87.2 71.4 107.2

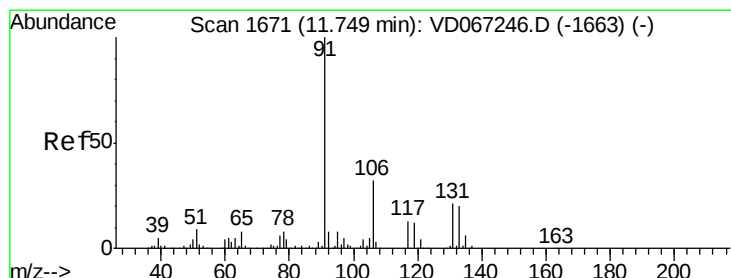
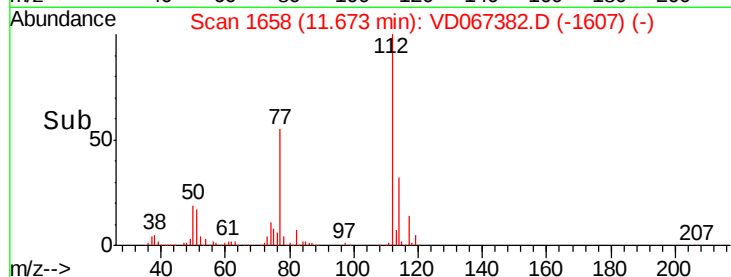
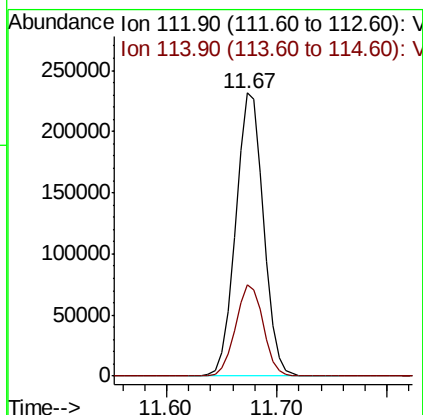
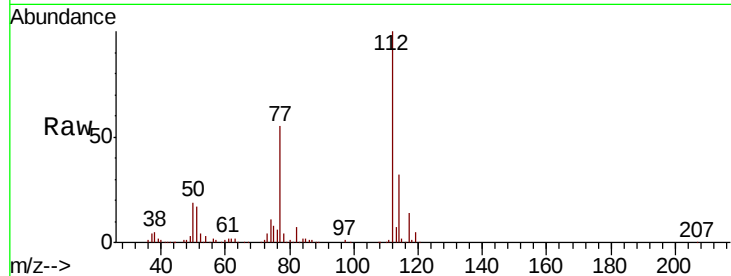




#65
Chlorobenzene
Concen: 47.728 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

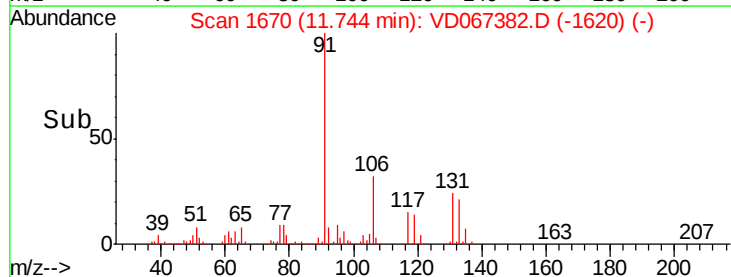
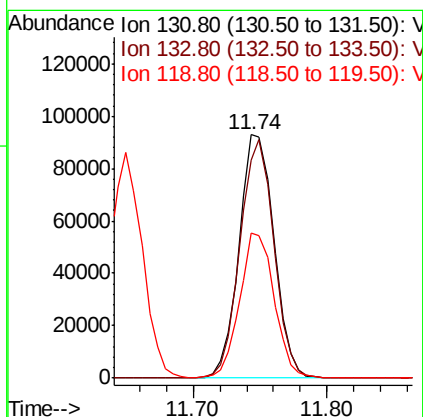
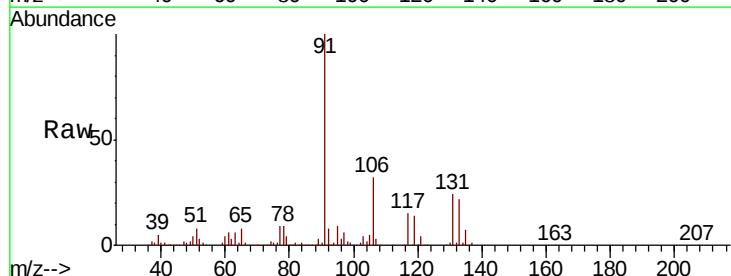
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

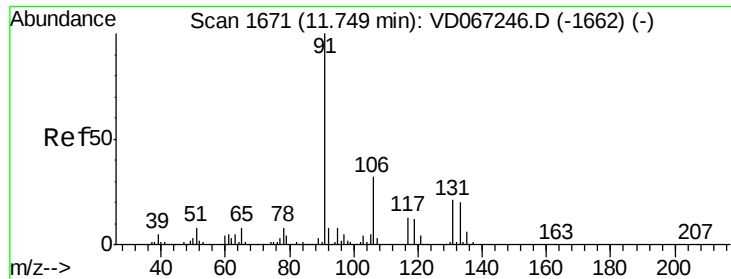
Tot Ion:112 Resp: 410069
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.333 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion:131 Resp: 168461
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.3
119 58.9 30.0 90.0

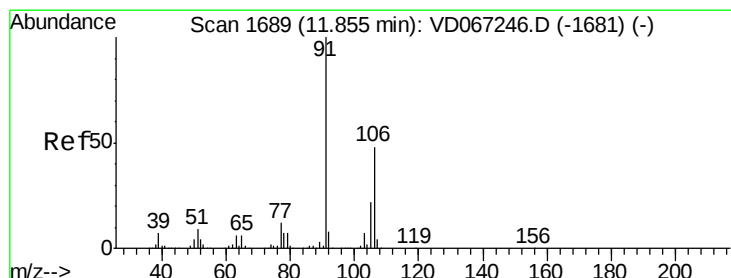
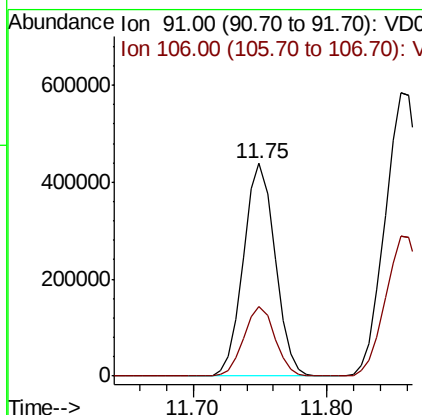
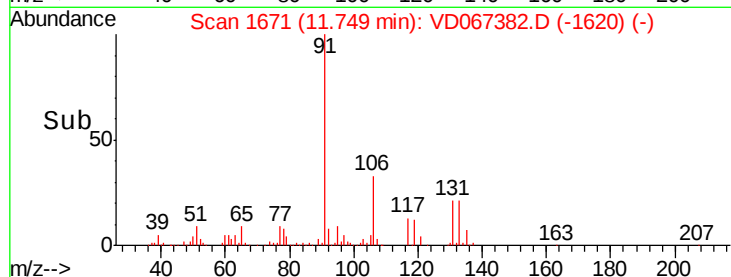
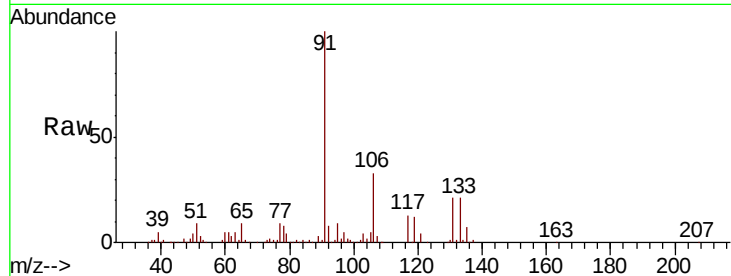




#67
Ethyl Benzene
Concen: 48.941 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

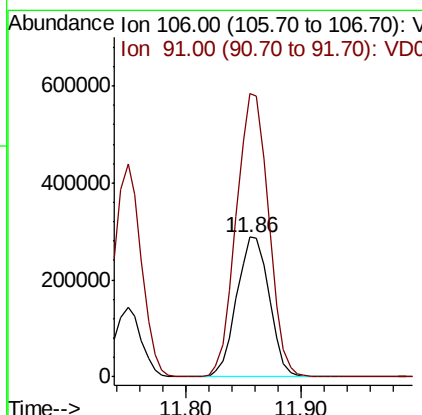
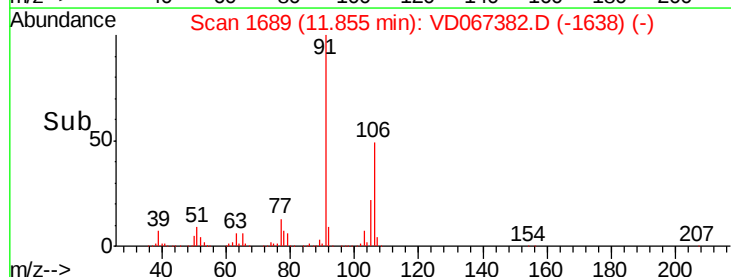
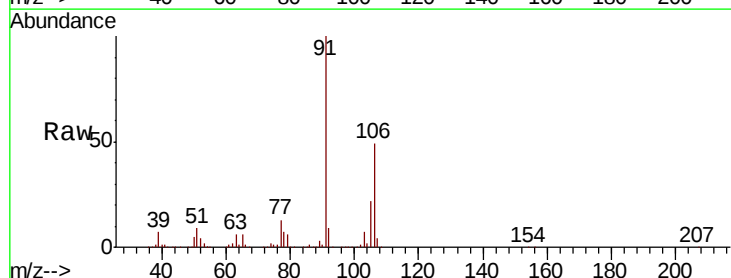
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 720810
Ion Ratio Lower Upper
91 100
106 32.9 25.4 38.0



#68
m/p-Xylenes
Concen: 99.992 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 106 Resp: 567107
Ion Ratio Lower Upper
106 100
91 200.8 163.8 245.8

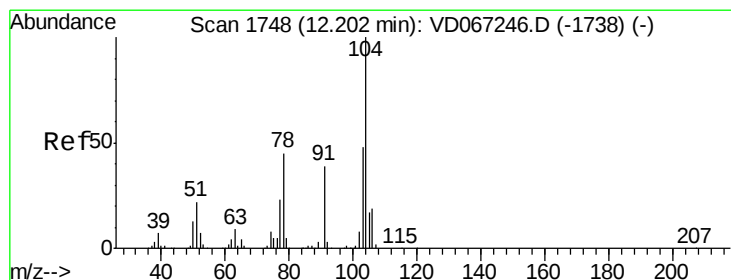
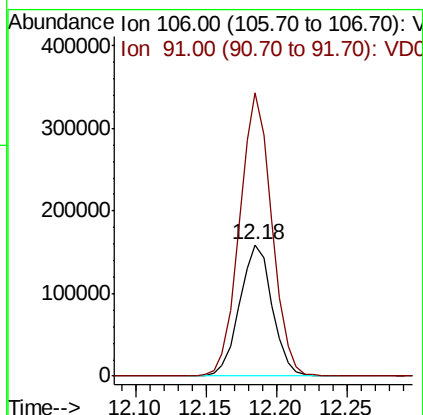
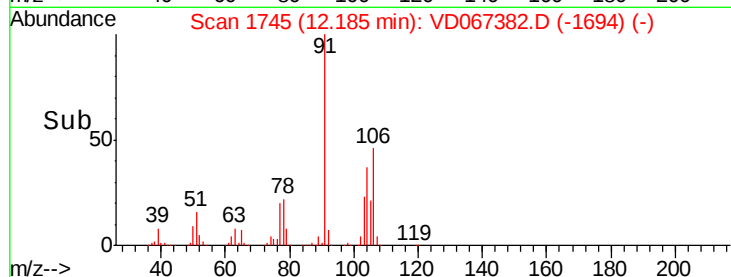
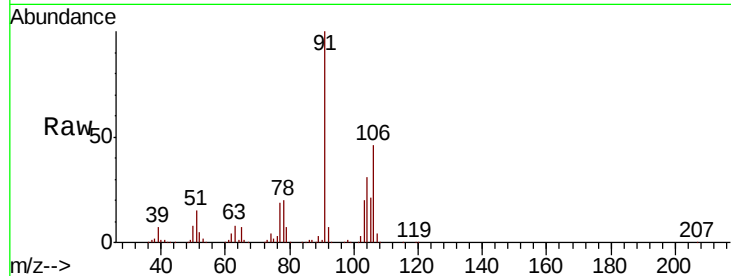




#69
o-Xylene
Concen: 48.731 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

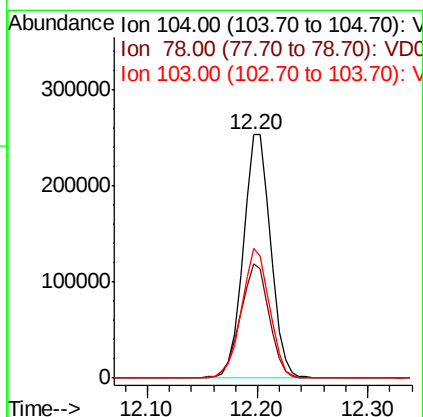
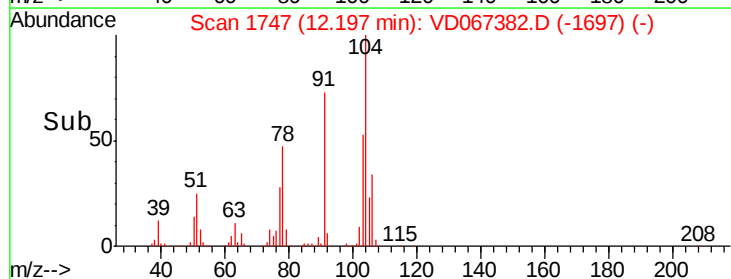
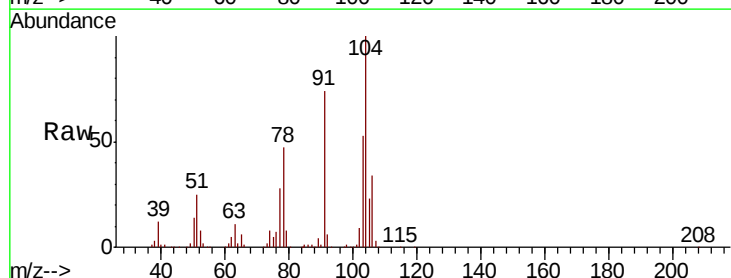
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

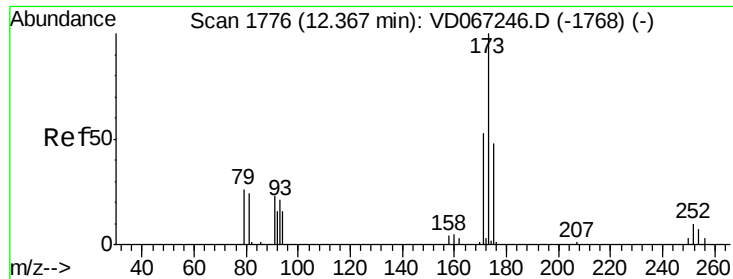
Tot Ion:106 Resp: 255930
Ion Ratio Lower Upper
106 100
91 213.4 109.1 327.3



#70
Styrene
Concen: 48.985 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion:104 Resp: 442864
Ion Ratio Lower Upper
104 100
78 49.3 39.8 59.6
103 54.4 42.6 64.0

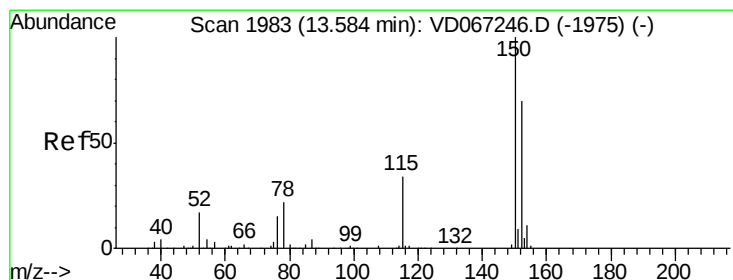
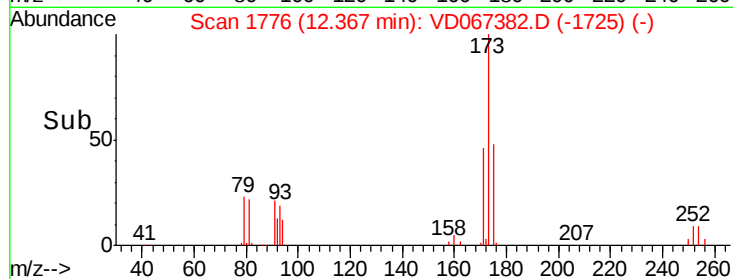
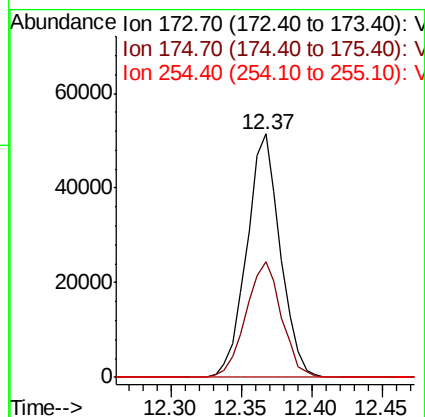
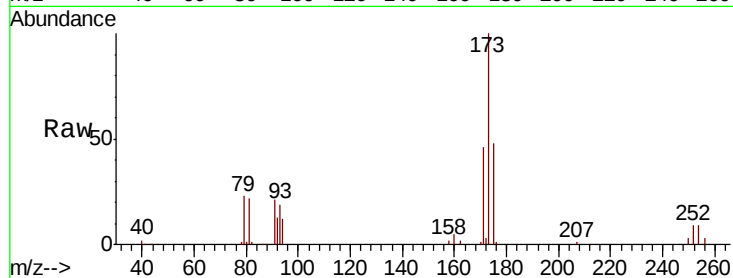




#71
Bromoform
Concen: 46.658 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

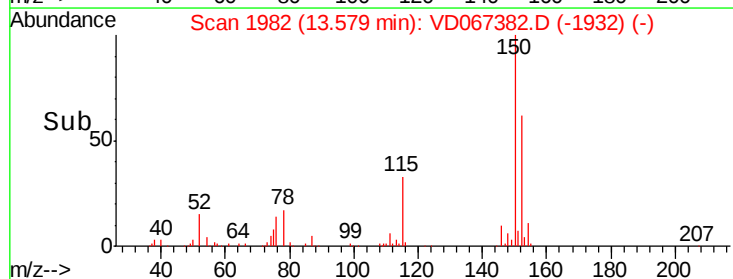
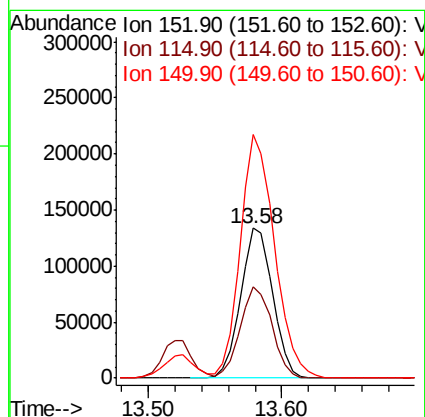
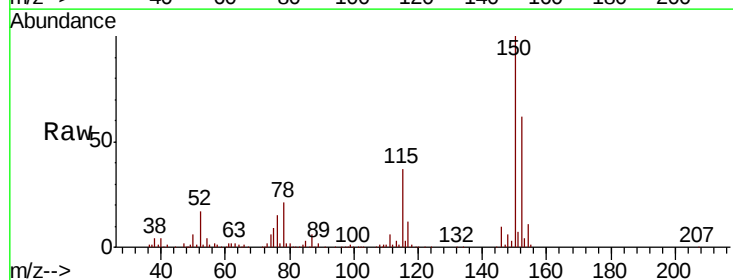
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

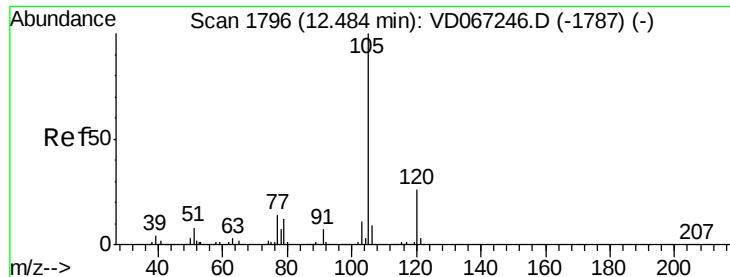
Tot Ion:173 Resp: 85594
Ion Ratio Lower Upper
173 100
175 50.4 24.2 72.6
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion:152 Resp: 221600
Ion Ratio Lower Upper
152 100
115 60.0 29.3 87.9
150 173.4 0.0 339.0





#73

Isopropylbenzene

Concen: 52.170 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

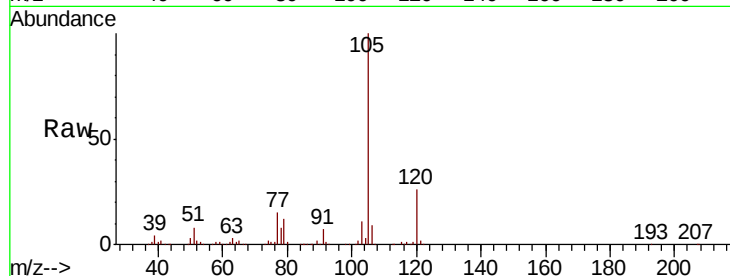
VSTDCCC050EC

Tot Ion:105 Resp: 733725

Ion Ratio Lower Upper

105 100

120 26.5 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

500000

400000

300000

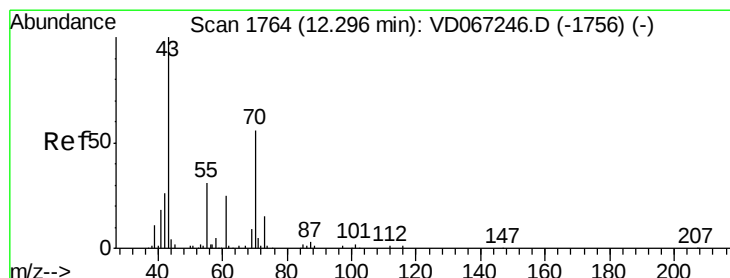
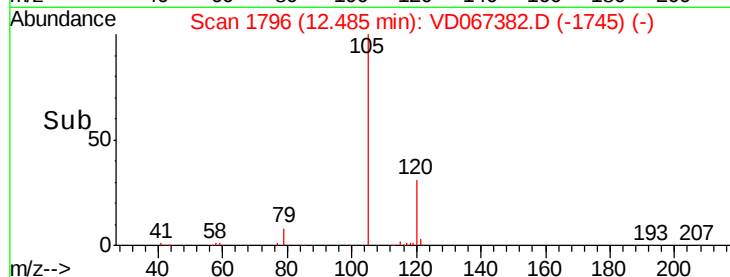
200000

100000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 49.049 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Tgt Ion: 43 Resp: 104187

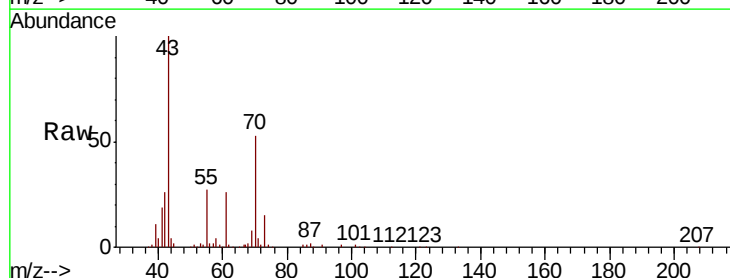
Ion Ratio Lower Upper

43 100

70 50.1 42.7 64.1

55 29.2 24.0 36.0

61 26.9 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

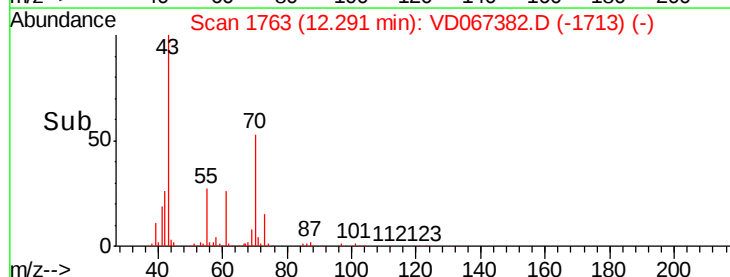
40000

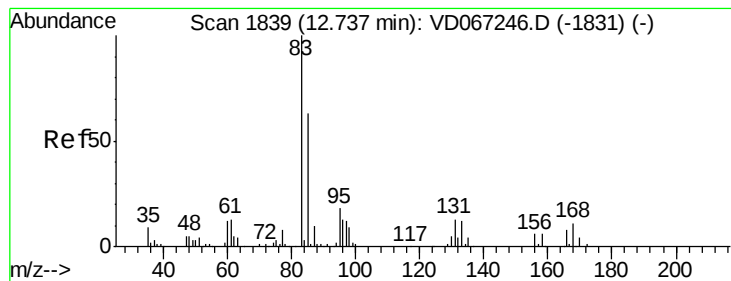
20000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 48.568 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

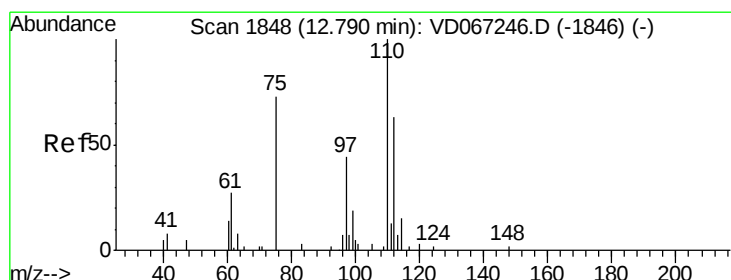
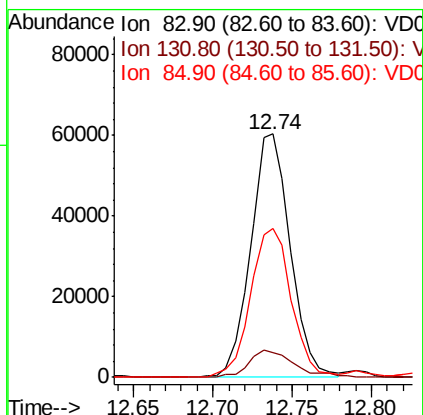
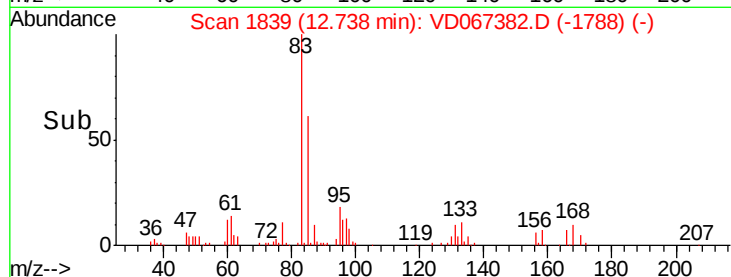
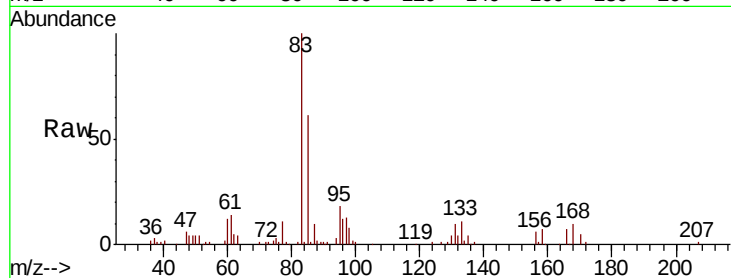
Tot Ion: 83 Resp: 104662

Ion Ratio Lower Upper

83 100

131 12.5 6.5 19.5

85 62.9 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 90.399 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067382.D

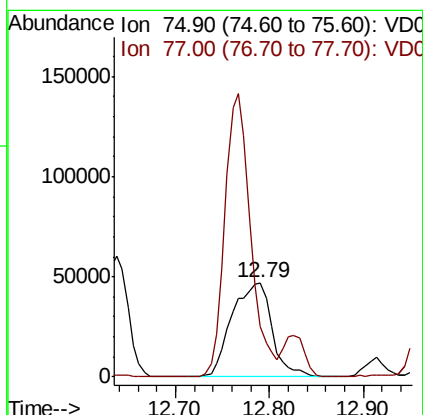
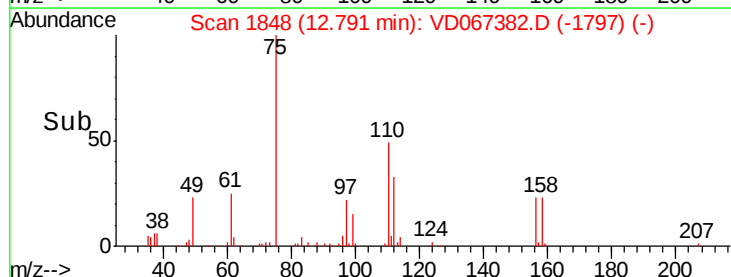
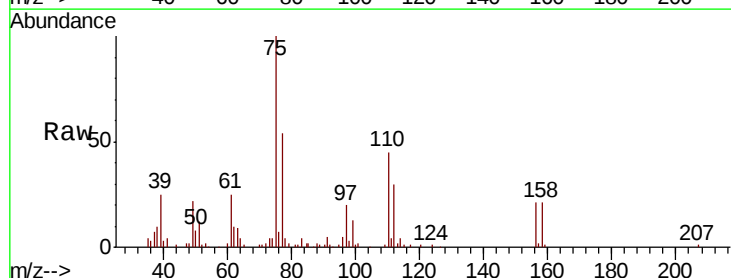
Acq: 23 Oct 2020 16:27

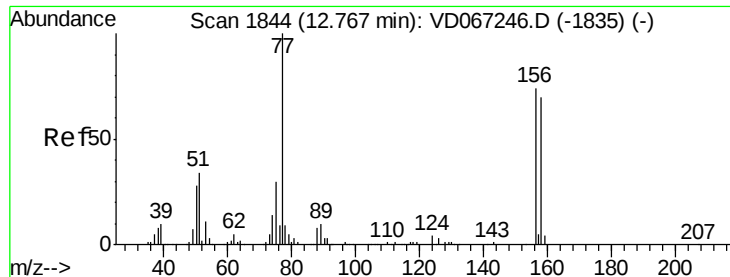
Tgt Ion: 75 Resp: 138843

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.811 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

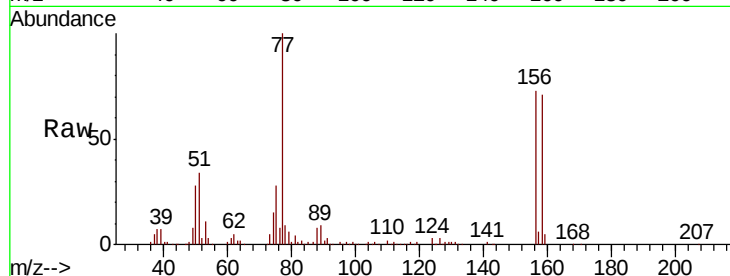
Tot Ion:156 Resp: 174653

Ion Ratio Lower Upper

156 100

77 155.2 78.0 233.8

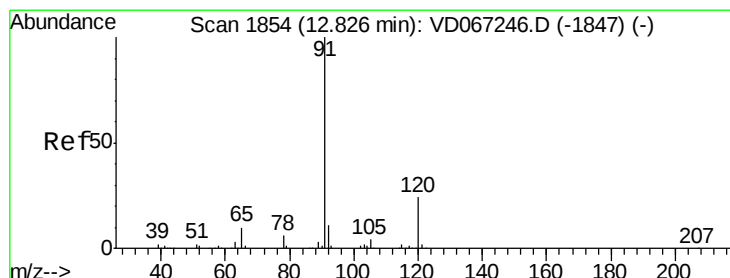
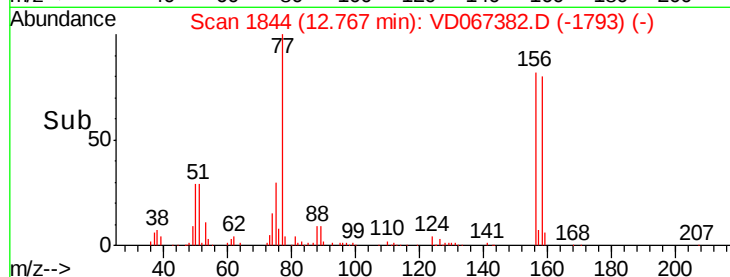
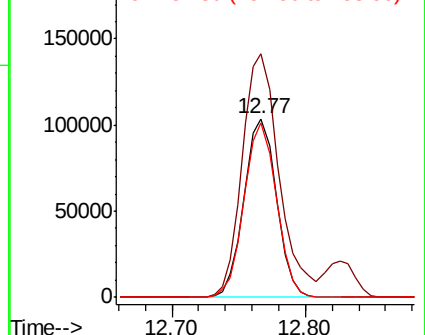
158 97.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.024 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067382.D

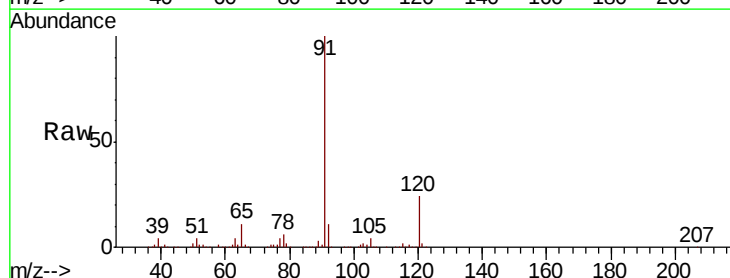
Acq: 23 Oct 2020 16:27

Tgt Ion: 91 Resp: 831438

Ion Ratio Lower Upper

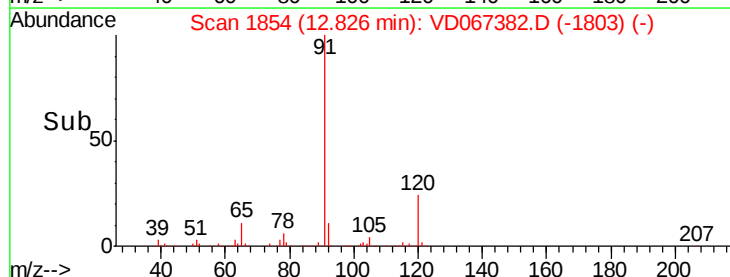
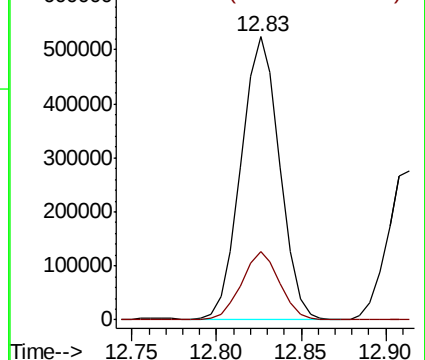
91 100

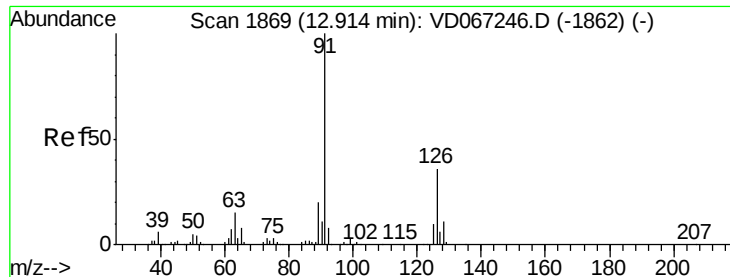
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.786 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

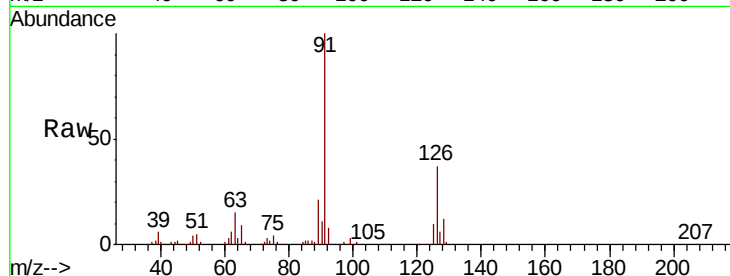
VSTDCCC050EC

Tot Ion: 91 Resp: 470473

Ion Ratio Lower Upper

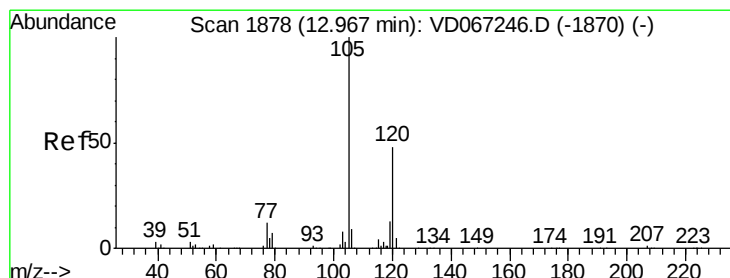
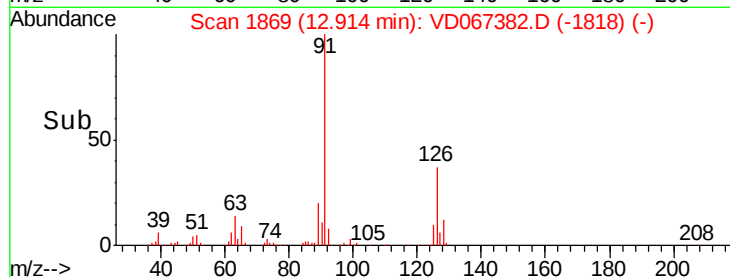
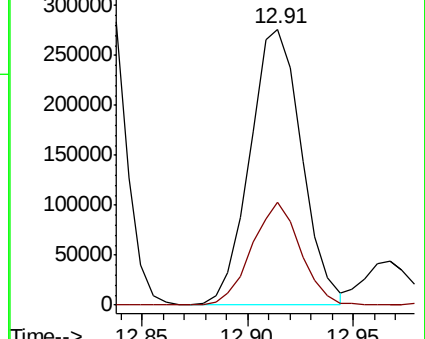
91 100

126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.662 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067382.D

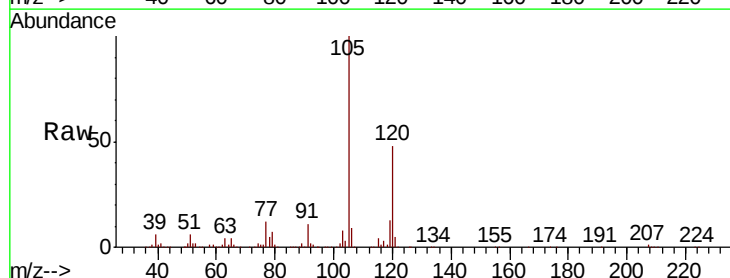
Acq: 23 Oct 2020 16:27

Tgt Ion:105 Resp: 619177

Ion Ratio Lower Upper

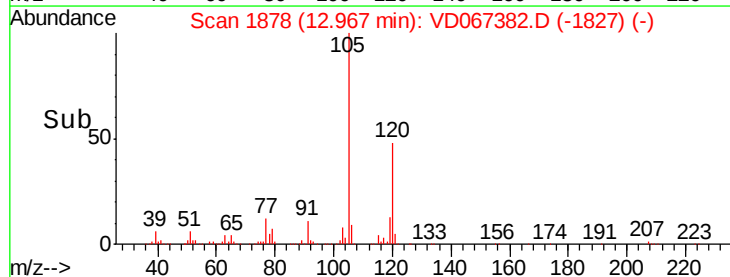
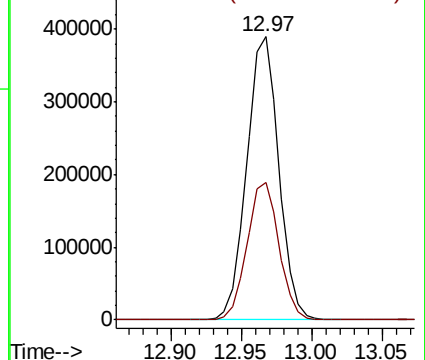
105 100

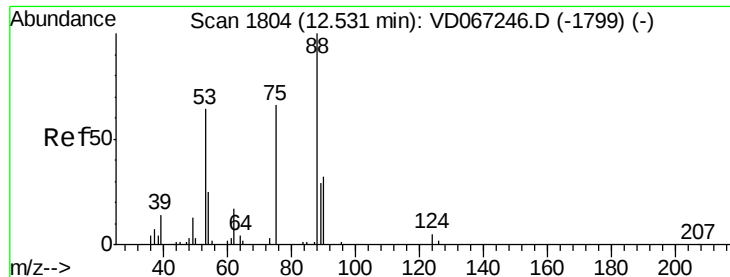
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.660 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

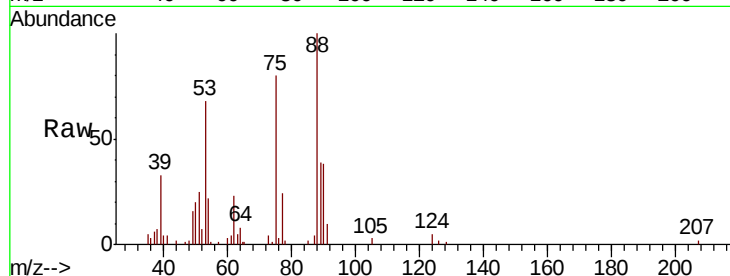
Tot Ion: 75 Resp: 32280

Ion Ratio Lower Upper

75 100

53 91.1 78.5 117.7

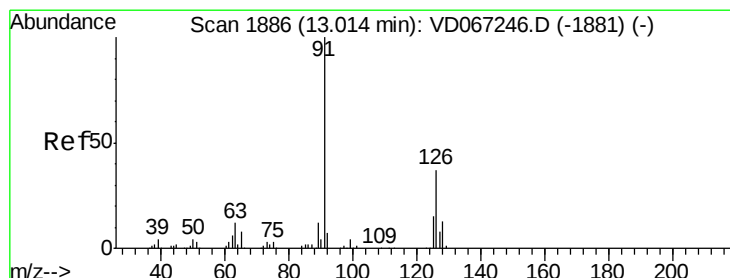
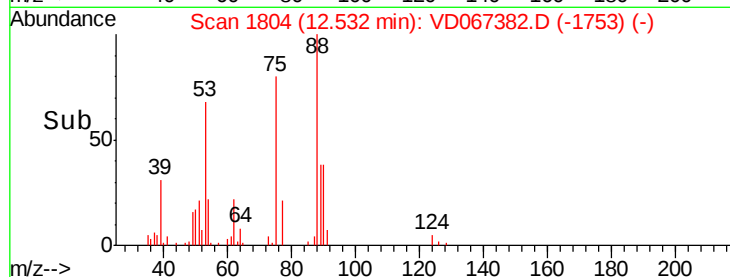
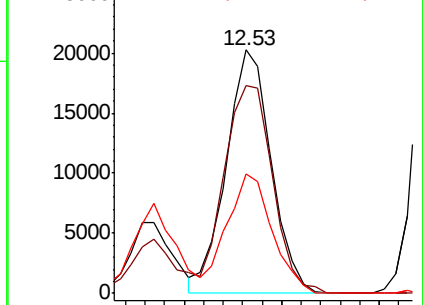
89 49.6 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.977 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067382.D

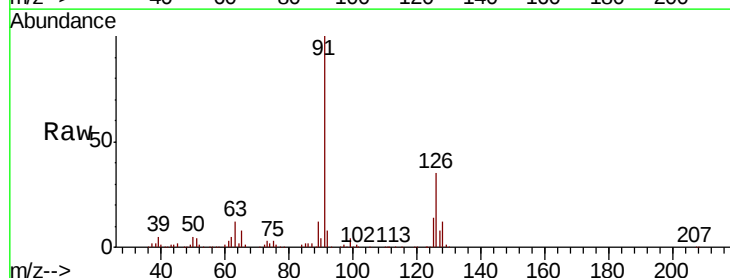
Acq: 23 Oct 2020 16:27

Tgt Ion: 91 Resp: 501254

Ion Ratio Lower Upper

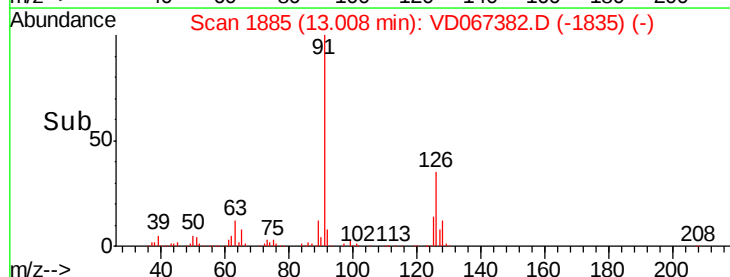
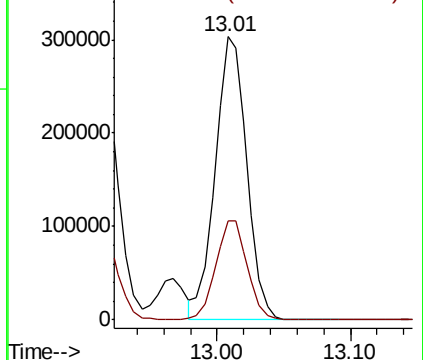
91 100

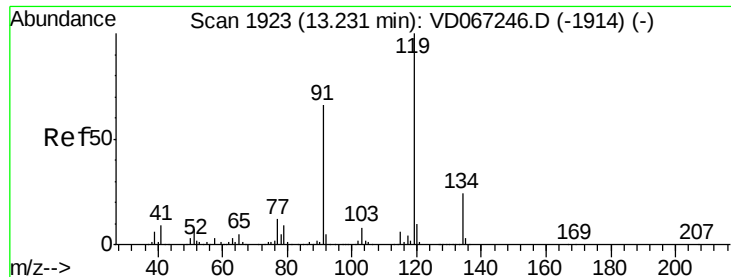
126 35.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

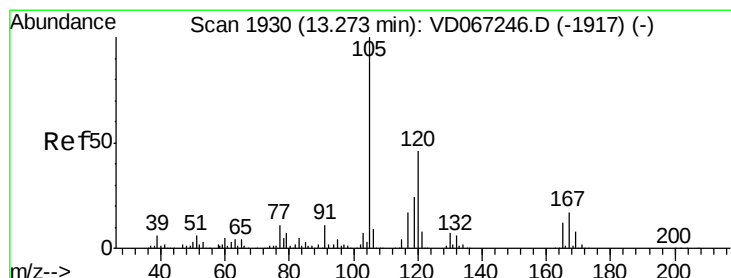
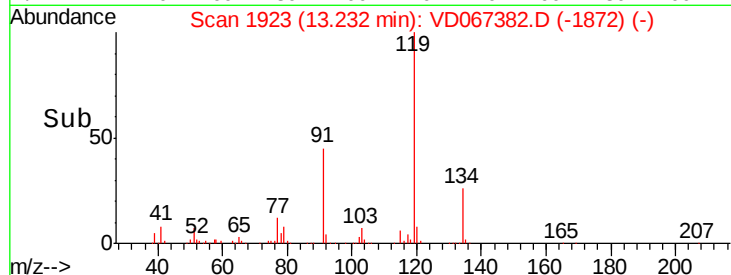
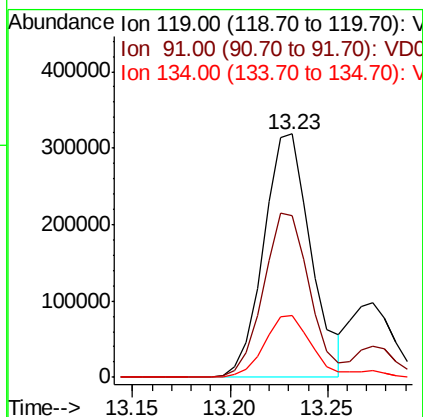
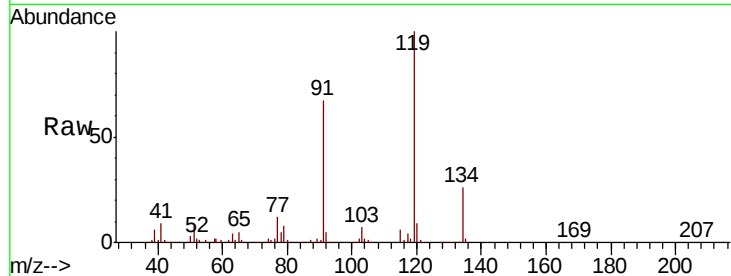




#83
tert-Butylbenzene
Concen: 51.904 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

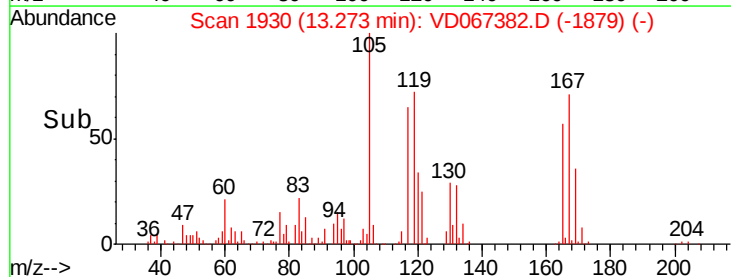
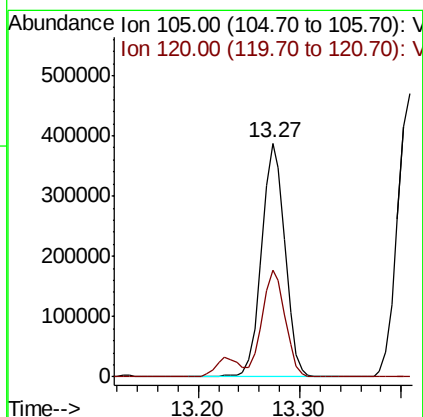
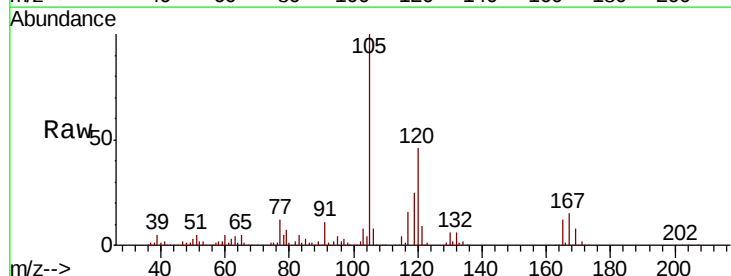
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

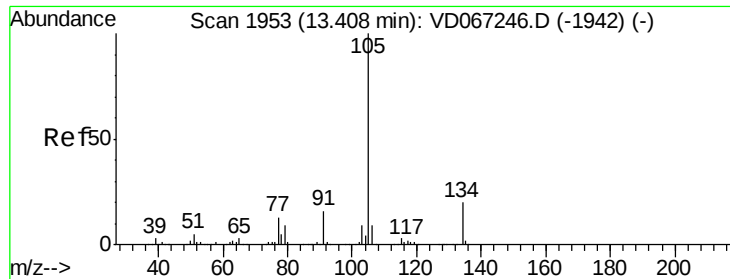
Tot Ion:119 Resp: 535849
Ion Ratio Lower Upper
119 100
91 65.4 33.1 99.2
134 25.3 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 51.140 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion:105 Resp: 617749
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.3

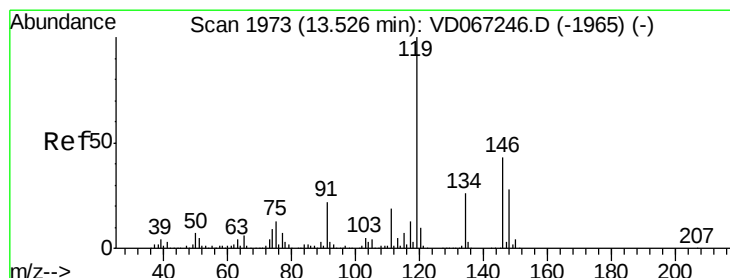
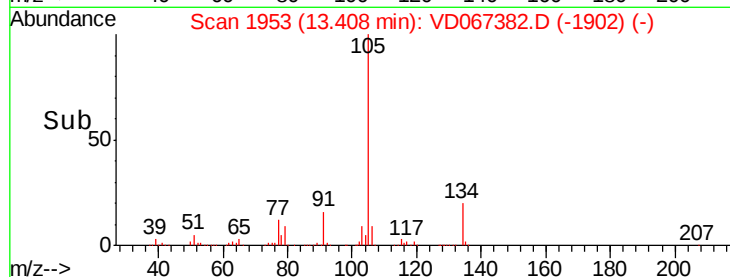
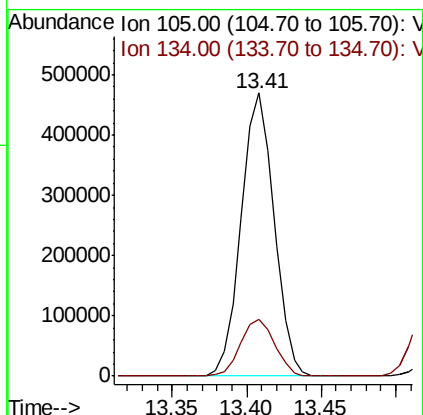
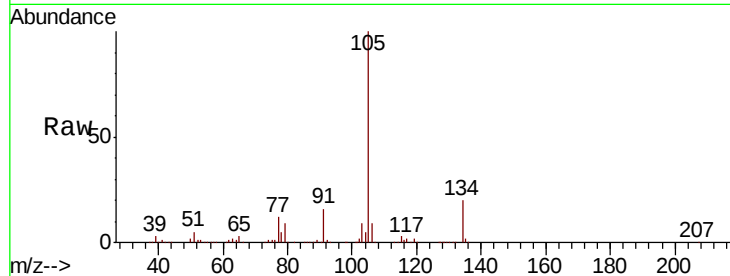




#85
 sec-Butylbenzene
 Concen: 50.764 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

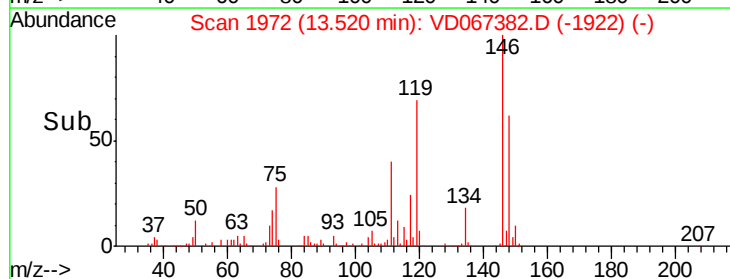
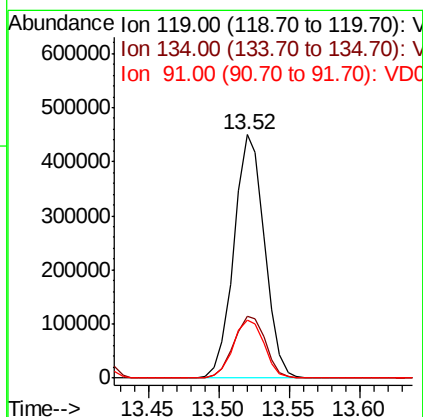
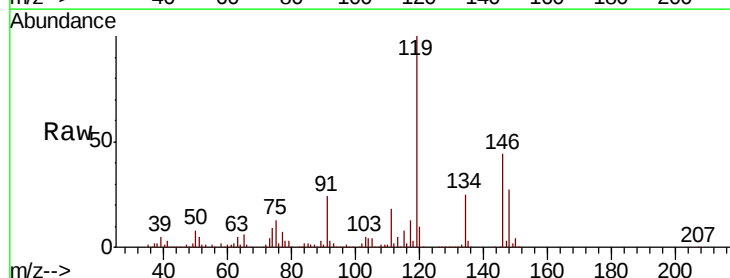
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

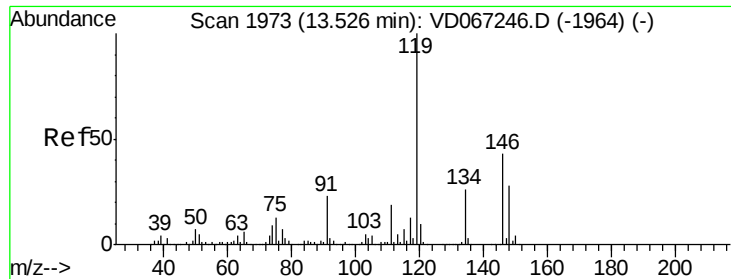
Tot Ion:105 Resp: 719114
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 50.752 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion:119 Resp: 678592
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 24.4 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 48.715 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

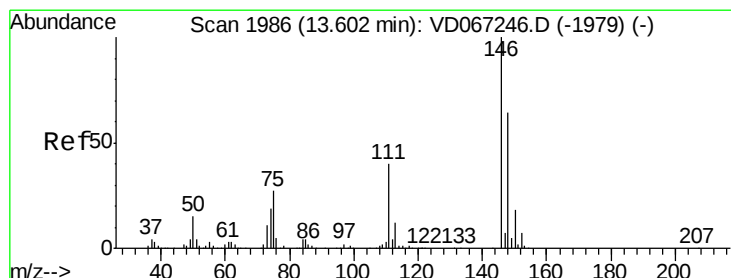
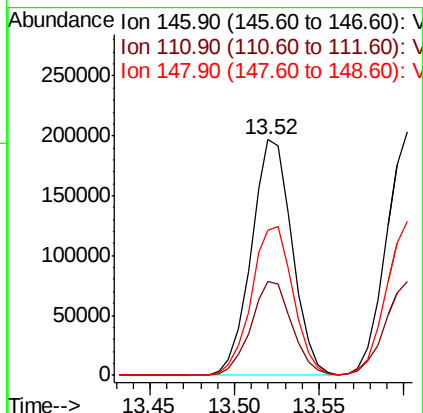
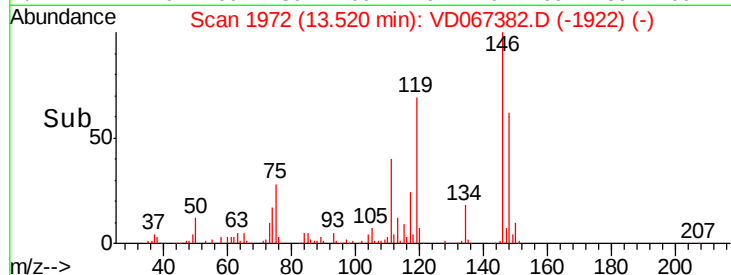
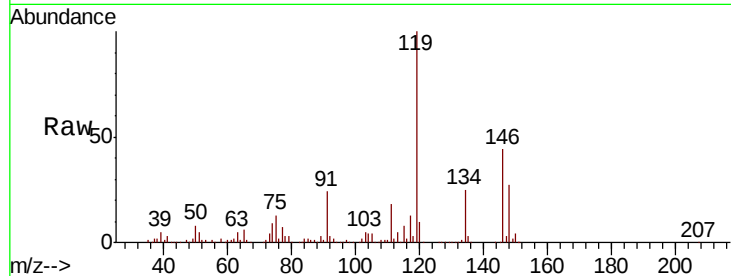
Tot Ion:146 Resp: 328776

Ion Ratio Lower Upper

146 100

111 40.0 21.1 63.3

148 64.5 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 48.874 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067382.D

Acq: 23 Oct 2020 16:27

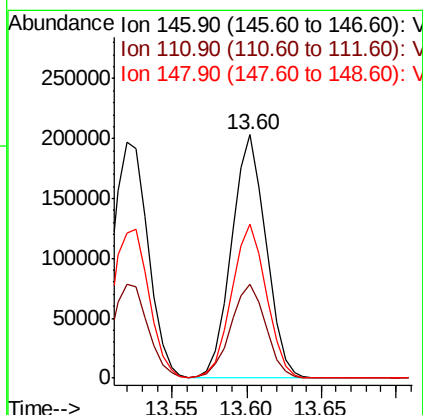
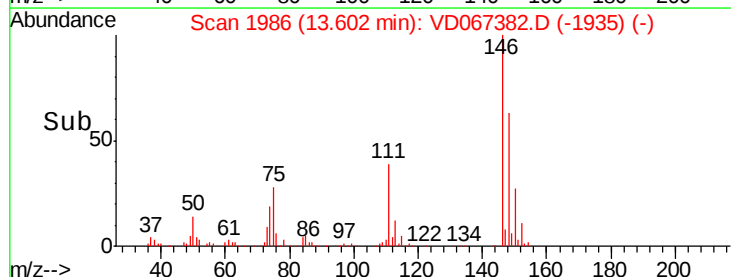
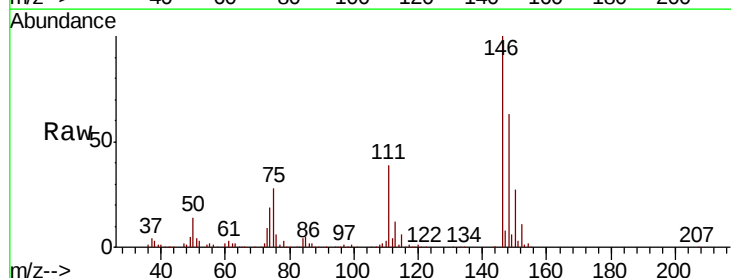
Tgt Ion:146 Resp: 326796

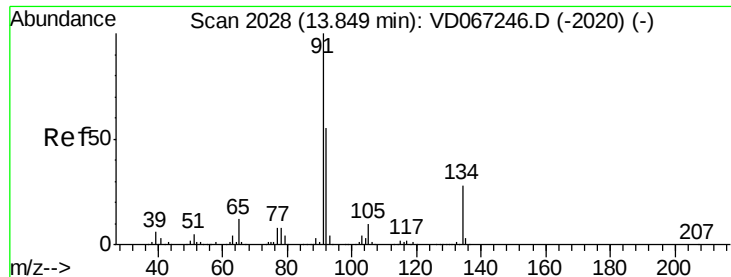
Ion Ratio Lower Upper

146 100

111 39.4 19.9 59.7

148 63.9 31.9 95.9

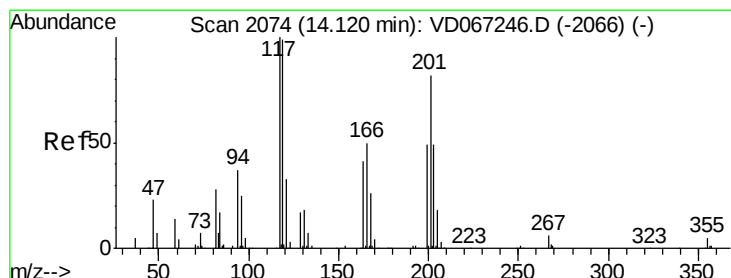
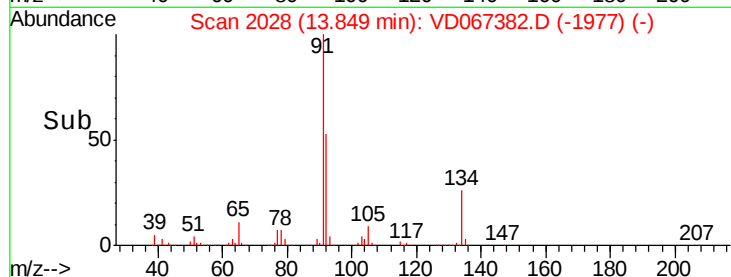
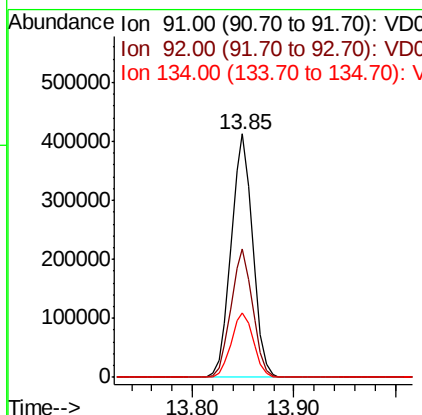
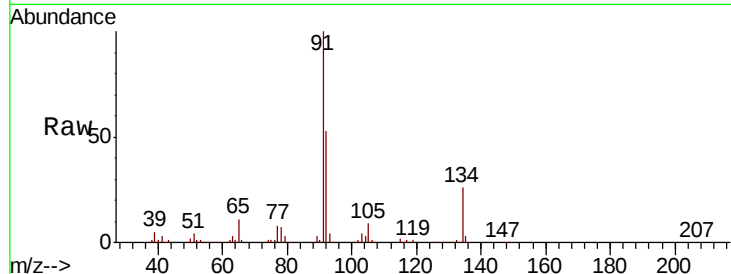




#89
n-Butylbenzene
Concen: 51.492 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

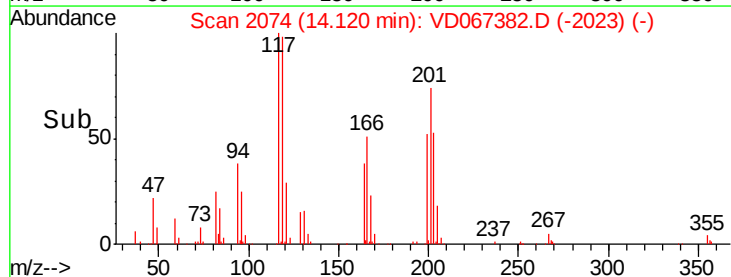
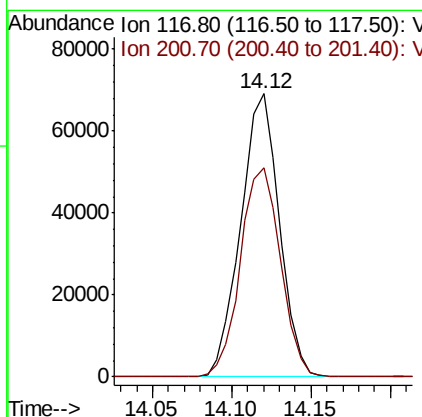
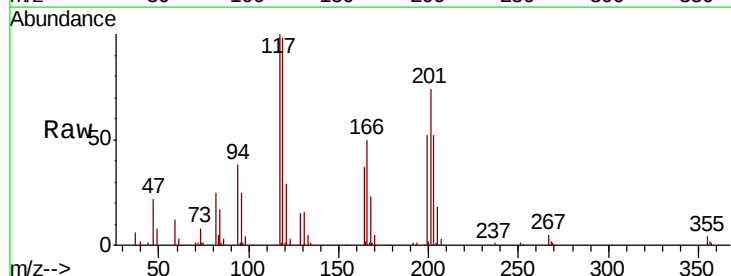
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

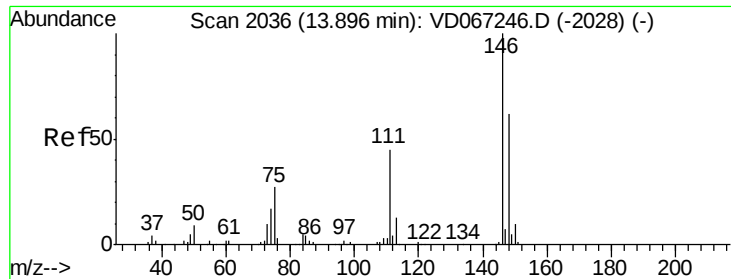
Tot Ion: 91 Resp: 605686
Ion Ratio Lower Upper
91 100
92 53.2 26.7 80.0
134 27.5 14.2 42.6



#90
Hexachloroethane
Concen: 50.232 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion: 117 Resp: 117204
Ion Ratio Lower Upper
117 100
201 76.6 40.8 122.2

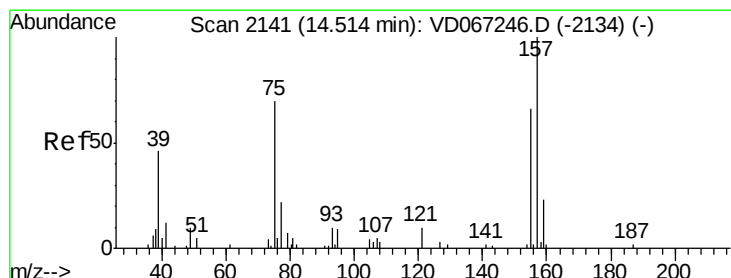
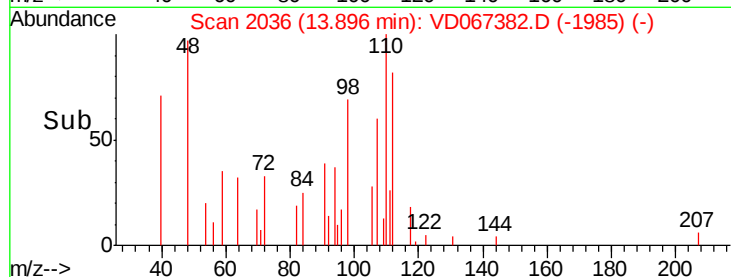
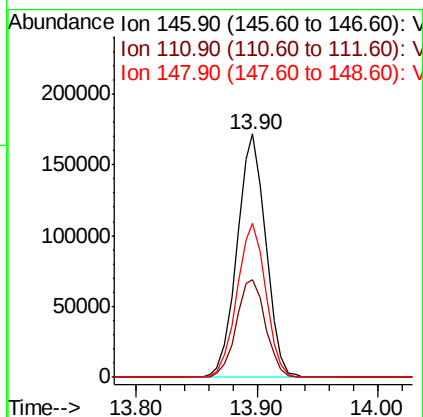
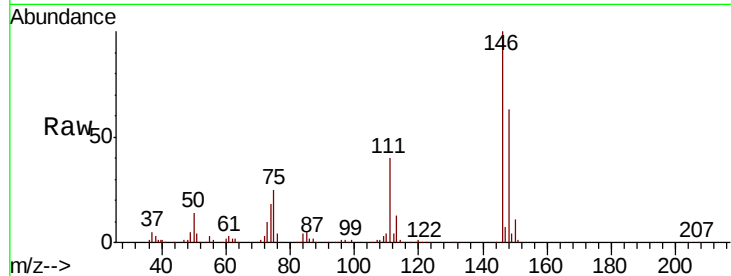




#91
 1,2-Dichlorobenzene
 Concen: 48.154 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

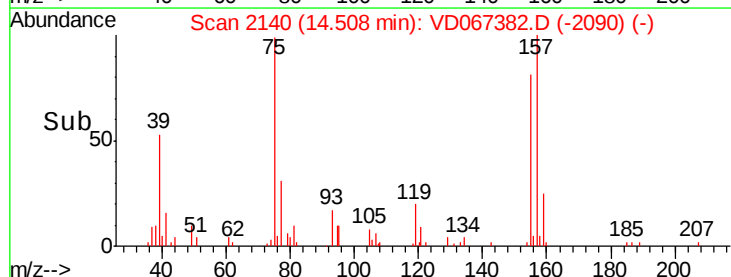
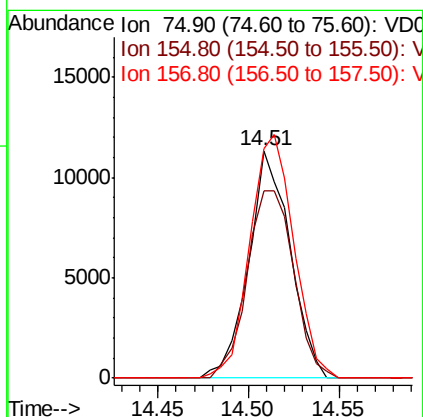
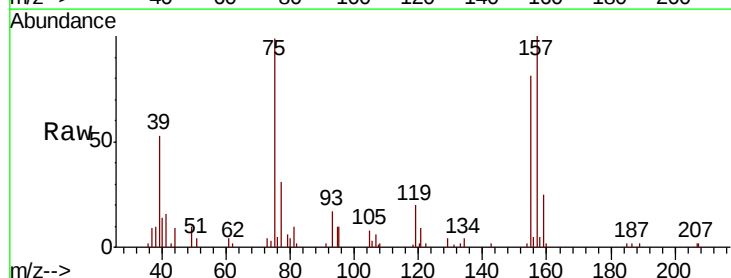
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

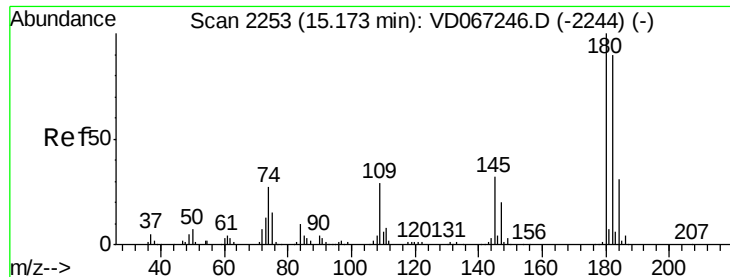
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	22.0	66.0
148	63.9	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.085 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067382.D
 Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	44.8	134.4
157	113.4	62.5	187.4

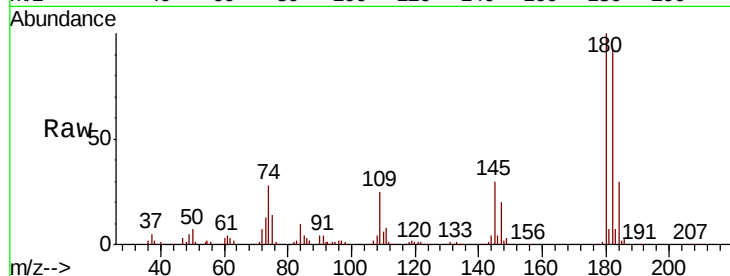




#93
1,2,4-Trichlorobenzene
Concen: 50.567 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.1	144.4
145	31.2	16.3	48.9

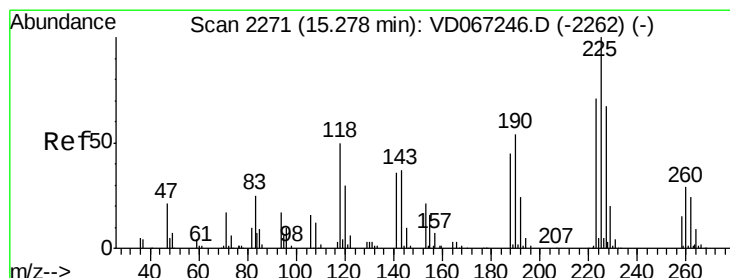
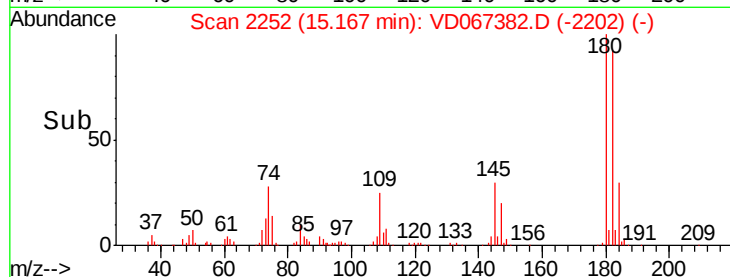
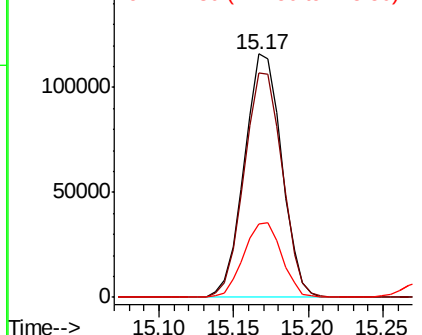


Abundance

Ion 179.80 (179.50 to 180.50): V

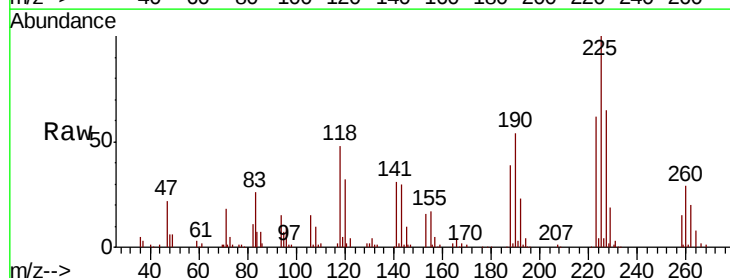
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 51.250 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	63.7	31.2	93.6

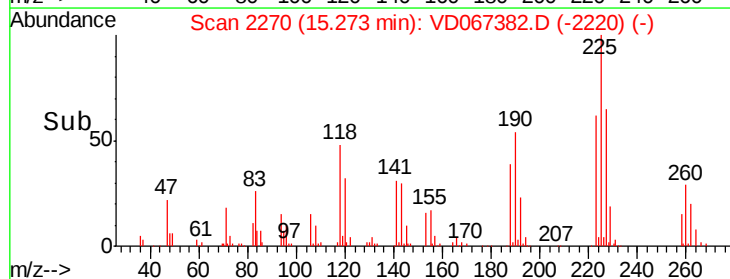
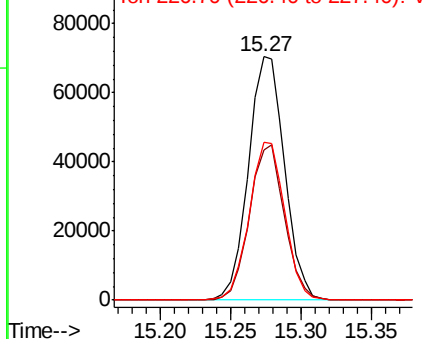


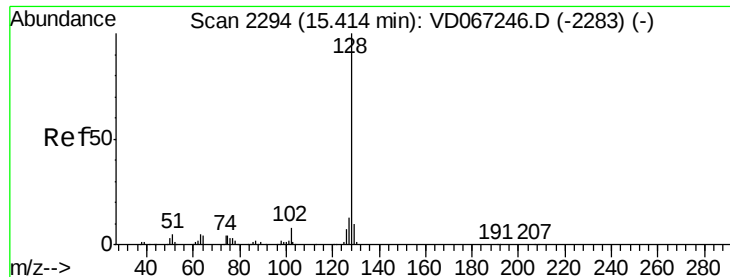
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

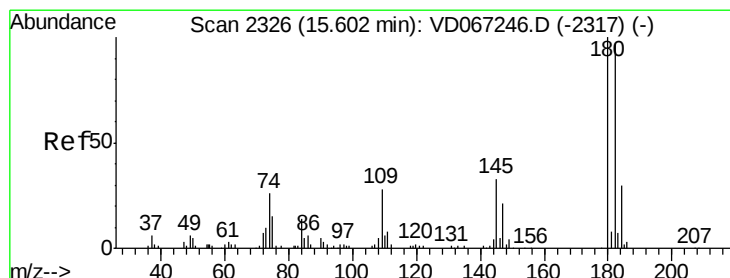
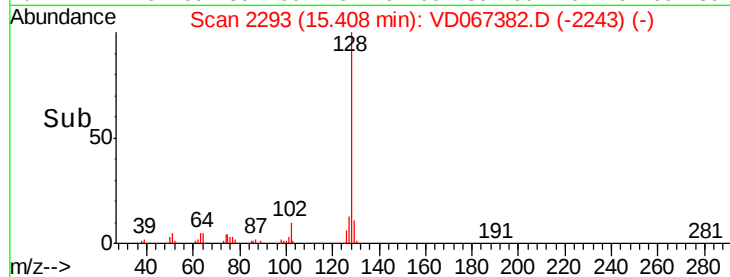
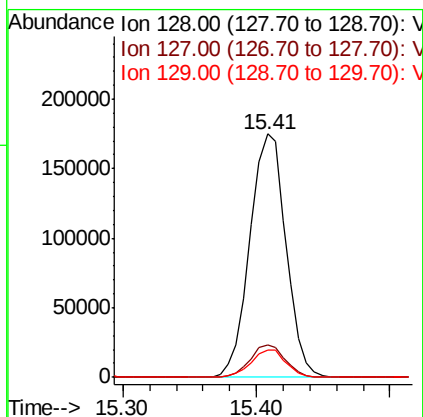
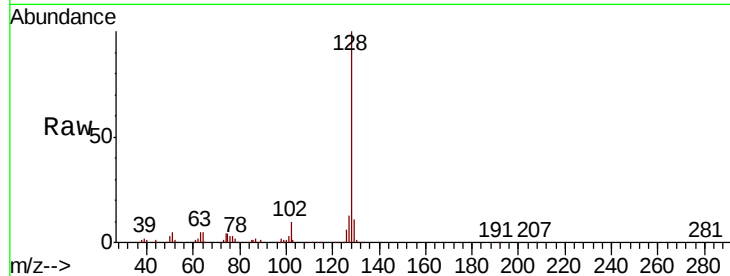




#95
Naphthalene
Concen: 49.940 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 325931
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.099 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067382.D
Acq: 23 Oct 2020 16:27

Tgt Ion:180 Resp: 168613
Ion Ratio Lower Upper
180 100
182 95.2 48.1 144.3
145 34.7 17.3 51.9

