

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067163.D
 Acq On : 07 Oct 2020 20:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 08 07:26:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	399408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	586853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185483	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.91	113	208577	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.34	98	727964	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.64	95	262131	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	161061	50.101	ug/l	97
3) Chloromethane	2.20	50	140813	44.270	ug/l	93
4) Vinyl Chloride	2.34	62	145017	45.469	ug/l	98
5) Bromomethane	2.77	94	110599	54.159	ug/l	98
6) Chloroethane	2.92	64	90533	46.611	ug/l	99
7) Trichlorofluoromethane	3.27	101	314077	44.324	ug/l	94
8) Diethyl Ether	3.71	74	88135	50.157	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	180426	45.049	ug/l	98
10) Methyl Iodide	4.30	142	189067	48.583	ug/l	98
11) Tert butyl alcohol	5.21	59	54082	237.427	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	172674	45.862	ug/l	97
13) Acrolein	3.92	56	59688	231.709	ug/l	95
14) Allyl chloride	4.71	41	228105	46.636	ug/l	98
15) Acrylonitrile	5.42	53	160019	247.431	ug/l	97
16) Acetone	4.16	43	142092	241.958	ug/l	99
17) Carbon Disulfide	4.41	76	517144	44.755	ug/l	100
18) Methyl Acetate	4.72	43	78064	52.889	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	369844	53.809	ug/l	100
20) Methylene Chloride	4.96	84	227798	55.456	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	207143	48.343	ug/l	97
22) Diisopropyl ether	6.36	45	446072	49.954	ug/l	98
23) Vinyl Acetate	6.30	43	1253129	247.650	ug/l	98
24) 1,1-Dichloroethane	6.27	63	340093	49.350	ug/l	98
25) 2-Butanone	7.21	43	191920	230.507	ug/l	99
26) 2,2-Dichloropropane	7.20	77	280423	47.370	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	235358	51.431	ug/l	96
28) Bromochloromethane	7.55	49	131669	49.474	ug/l	93
29) Tetrahydrofuran	7.56	42	114756	239.706	ug/l	94
30) Chloroform	7.71	83	381515	51.034	ug/l	100
31) Cyclohexane	7.98	56	238018	41.197	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	339414	48.990	ug/l	98
36) 1,1-Dichloropropene	8.11	75	267937	45.577	ug/l	98
37) Ethyl Acetate	7.29	43	93741	46.029	ug/l	100
38) Carbon Tetrachloride	8.10	117	309390	48.641	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	286395	46.079	ug/l	97
40) Benzene	8.35	78	801167	49.065	ug/l	100
41) Methacrylonitrile	7.53	41	54470	49.507	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	230899	50.605	ug/l	98
43) Isopropyl Acetate	8.45	43	182132	48.545	ug/l	98
44) Trichloroethene	9.11	130	240698	49.365	ug/l	100
45) 1,2-Dichloropropane	9.38	63	193784	50.509	ug/l	98
46) Dibromomethane	9.48	93	115571	52.411	ug/l	99
47) Bromodichloromethane	9.66	83	295890	51.621	ug/l	98
48) Methyl methacrylate	9.46	41	88851	46.226	ug/l #	84
49) 1,4-Dioxane	9.47	88	21686	942.291	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	459639	245.959	ug/l	98
52) Toluene	10.40	92	544207	51.738	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	264765	51.683	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	317836	50.808	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	157685	51.434	ug/l	95
56) Ethyl methacrylate	10.66	69	175935	55.584	ug/l	96
57) 1,3-Dichloropropane	10.95	76	254037	51.099	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	450937	255.968	ug/l	98
59) 2-Hexanone	10.98	43	309085	247.805	ug/l	96
60) Dibromochloromethane	11.14	129	211961	51.873	ug/l	94
61) 1,2-Dibromoethane	11.24	107	149771	50.850	ug/l	93
64) Tetrachloroethene	10.87	164	216970	50.855	ug/l	95
65) Chlorobenzene	11.67	112	586638	50.261	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	228911	51.559	ug/l	100
67) Ethyl Benzene	11.74	91	1021299	51.069	ug/l	99
68) m/p-Xylenes	11.86	106	788691	101.196	ug/l	98
69) o-Xylene	12.18	106	363558	52.164	ug/l	96
70) Styrene	12.20	104	628698	52.533	ug/l	98
71) Bromoform	12.36	173	123608	53.635	ug/l #	97
73) Isopropylbenzene	12.48	105	975892	49.407	ug/l	100
74) N-amyl acetate	12.29	43	166532	46.900	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	159818	48.023	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	203609	80.357	ug/l #	100
77) Bromobenzene	12.77	156	246188	51.618	ug/l	95
78) n-propylbenzene	12.83	91	1134664	48.607	ug/l	99
79) 2-Chlorotoluene	12.91	91	659892	49.408	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	850162	50.944	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	48930	48.145	ug/l	96
82) 4-Chlorotoluene	13.01	91	702380	49.428	ug/l	98
83) tert-Butylbenzene	13.23	119	724183	51.532	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	861144	51.707	ug/l	99
85) sec-Butylbenzene	13.41	105	963686	48.695	ug/l	100
86) p-Isopropyltoluene	13.52	119	905723	49.364	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	455527	49.034	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	459972	49.518	ug/l	98
89) n-Butylbenzene	13.85	91	803362	47.909	ug/l	99
90) Hexachloroethane	14.12	117	153320	47.705	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	404032	49.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25991	48.449	ug/l	92

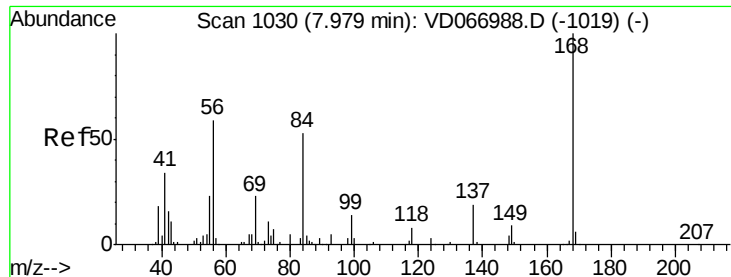
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278437	53.056	ug/l	99
94) Hexachlorobutadiene	15.28	225	157018	48.719	ug/l	99
95) Naphthalene	15.41	128	479427	54.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	243022	53.345	ug/l	98

(#) = 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. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

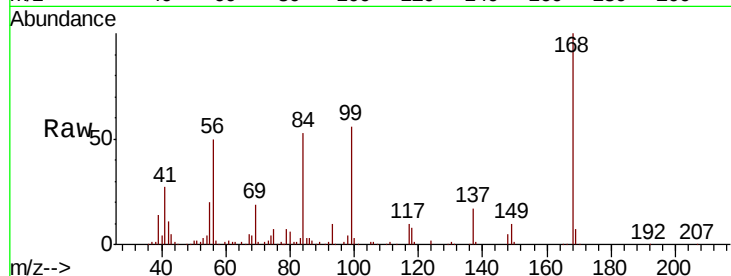
VSTDCCC050EC

Tot Ion:168 Resp: 399408

Ion Ratio Lower Upper

168 100

99 55.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

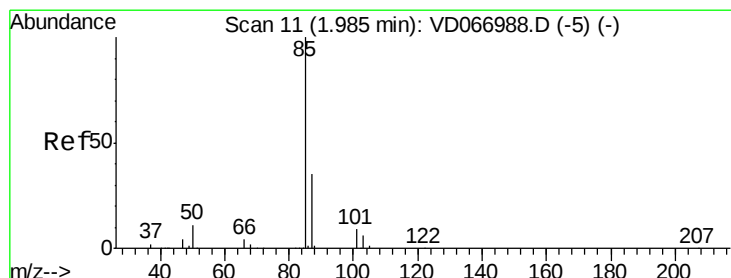
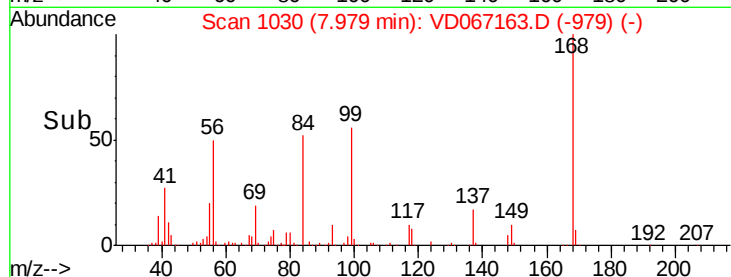
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.101 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067163.D

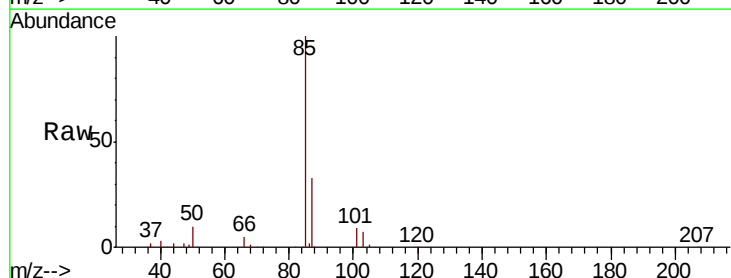
Acq: 07 Oct 2020 20:08

Tgt Ion: 85 Resp: 161061

Ion Ratio Lower Upper

85 100

87 32.8 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

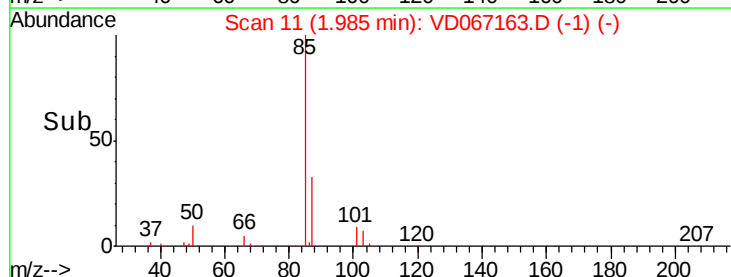
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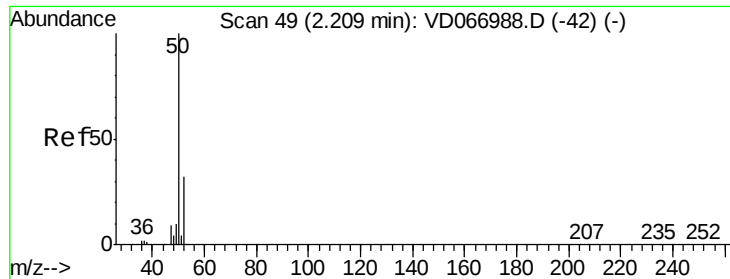
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 44.270 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

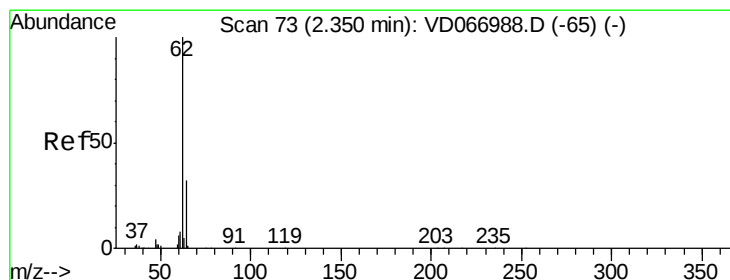
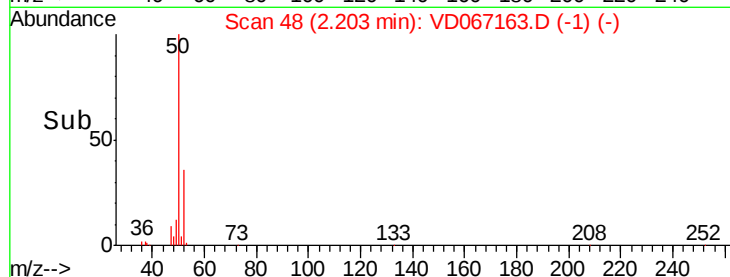
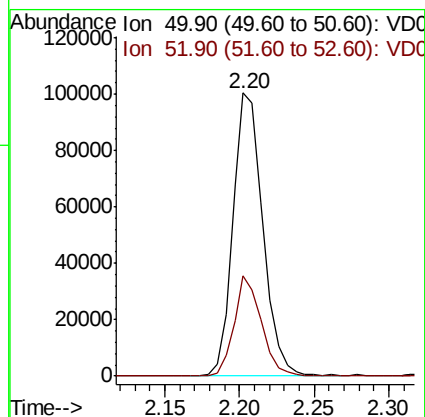
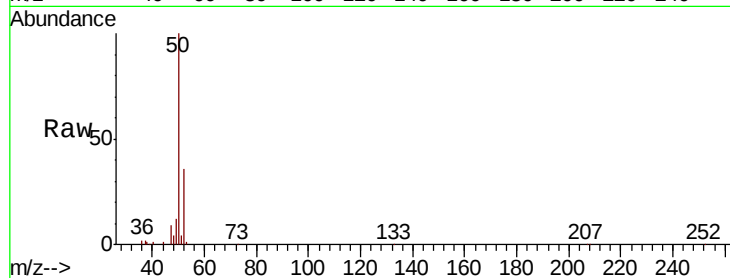
VSTDCCC050EC

Tot Ion: 50 Resp: 140813

Ion Ratio Lower Upper

50 100

52 35.5 25.3 37.9



#4

Vinyl Chloride

Concen: 45.469 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067163.D

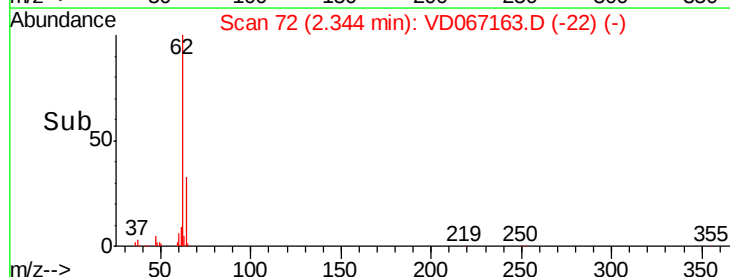
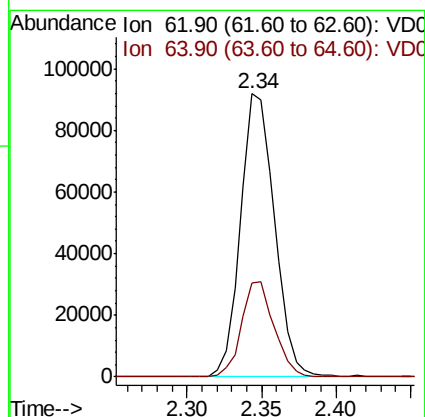
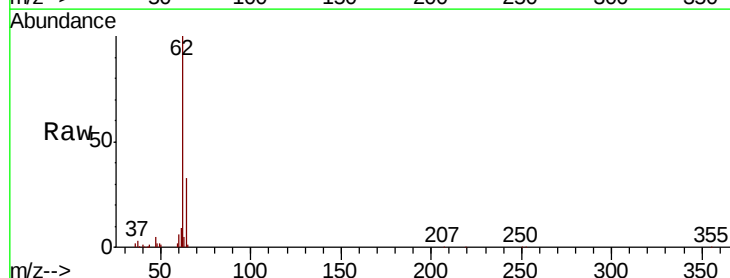
Acq: 07 Oct 2020 20:08

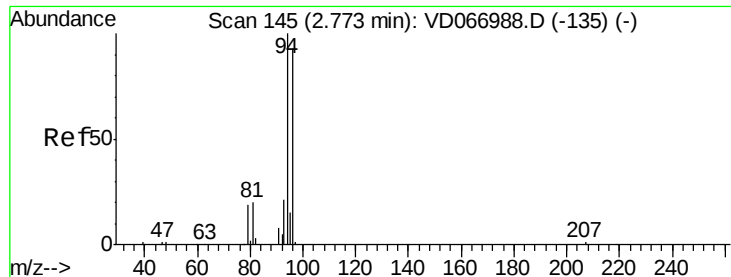
Tgt Ion: 62 Resp: 145017

Ion Ratio Lower Upper

62 100

64 33.2 25.8 38.8





#5

Bromomethane

Concen: 54.159 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

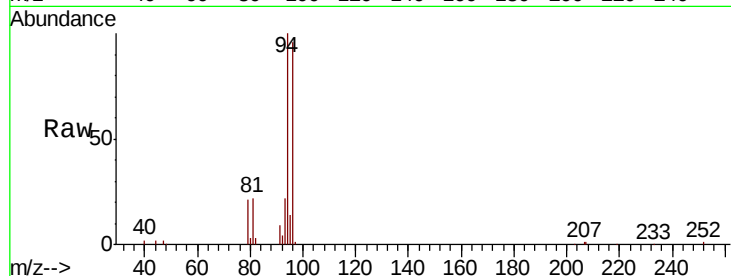
VSTDCCC050EC

Tot Ion: 94 Resp: 110599

Ion Ratio Lower Upper

94 100

96 95.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

60000

50000

40000

30000

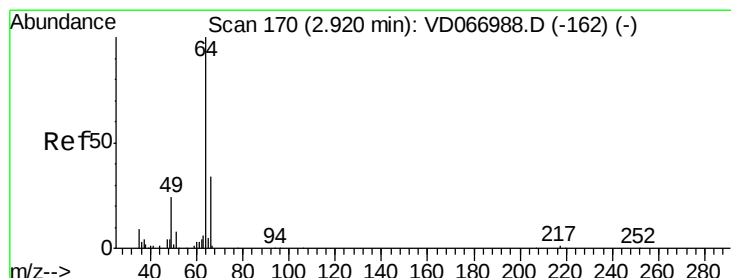
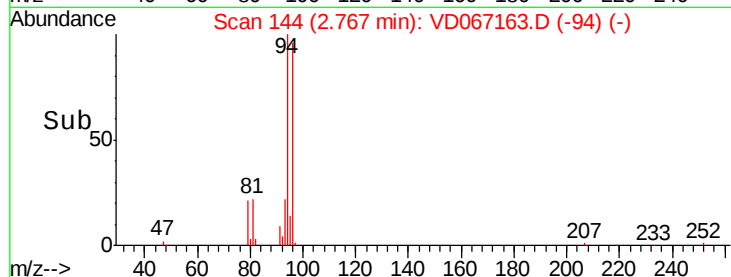
20000

10000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 46.611 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD067163.D

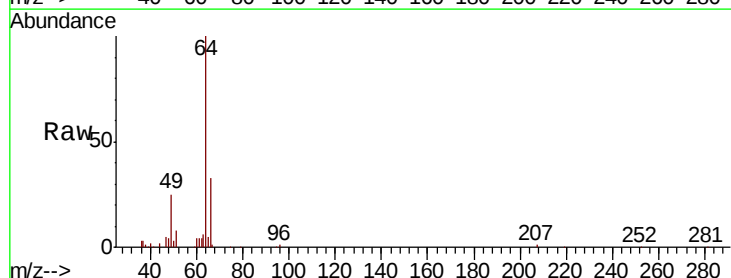
Acq: 07 Oct 2020 20:08

Tgt Ion: 64 Resp: 90533

Ion Ratio Lower Upper

64 100

66 33.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

50000

40000

30000

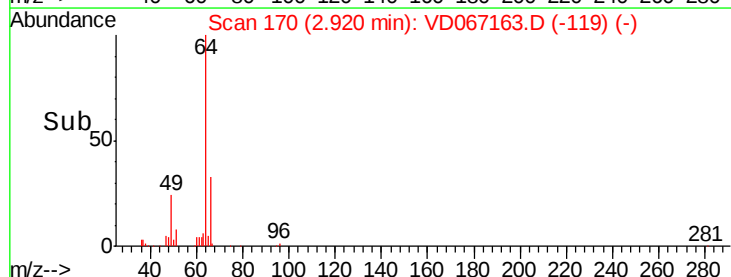
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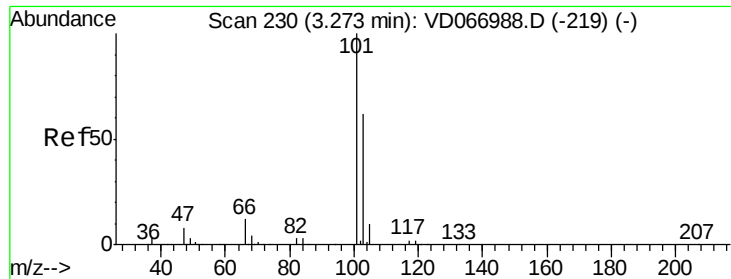
10000

0

2.80 2.90 3.00

Time-->



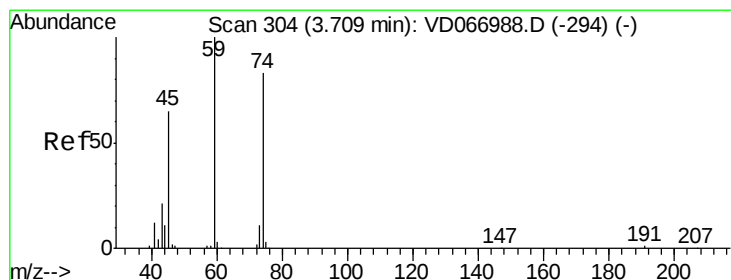
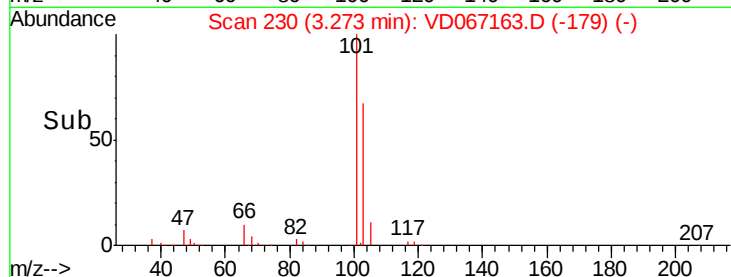
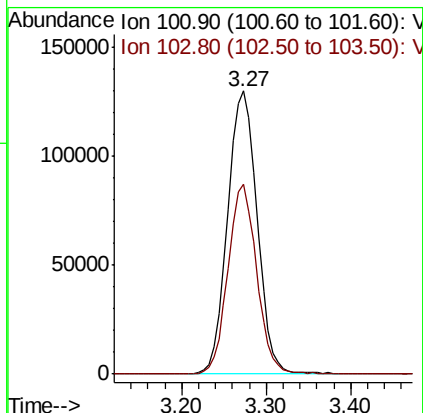
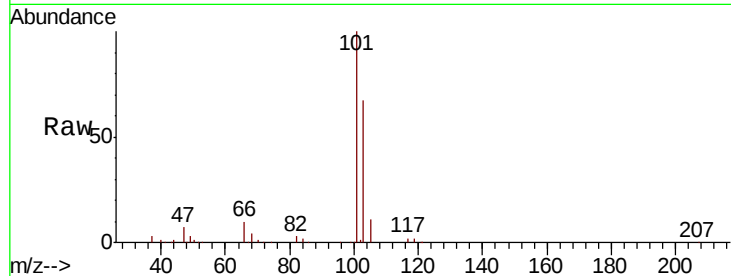


#7

Trichlorofluoromethane
Concen: 44.324 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD067163.D
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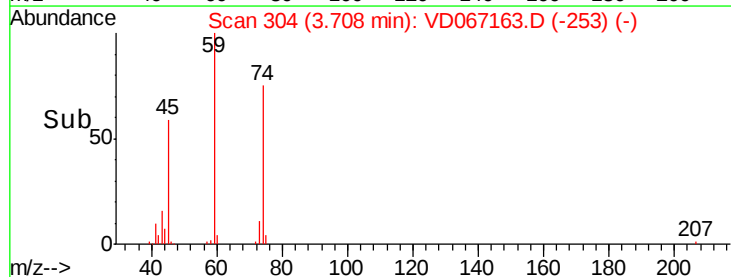
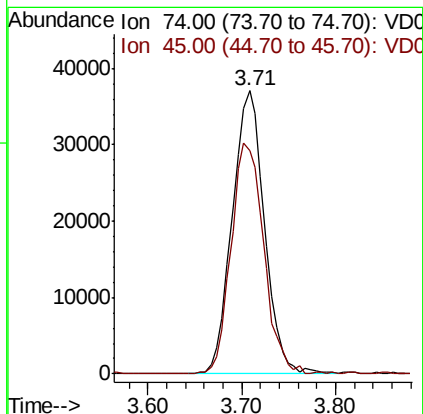
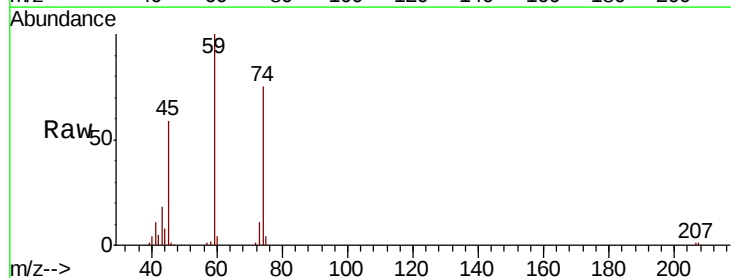
Tot Ion:101 Resp: 314077
Ion Ratio Lower Upper
101 100
103 67.0 49.8 74.8

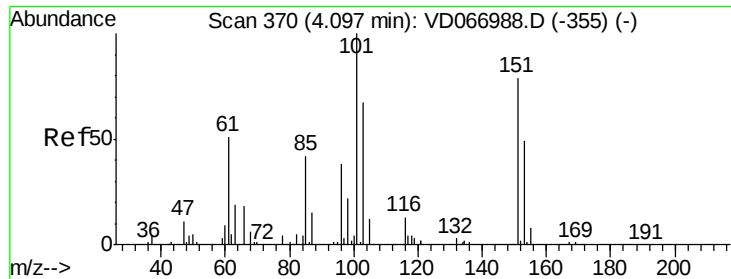


#8

Diethyl Ether
Concen: 50.157 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 74 Resp: 88135
Ion Ratio Lower Upper
74 100
45 82.6 43.1 129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.049 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

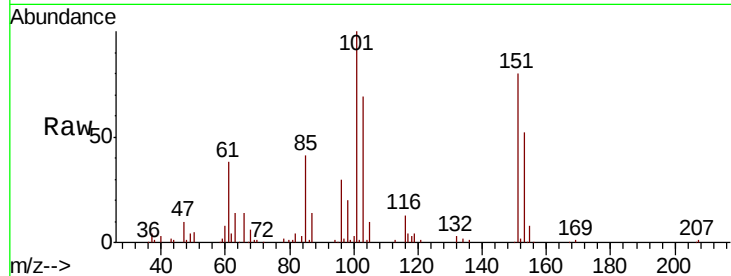
Tot Ion:101 Resp: 180426

Ion Ratio Lower Upper

101 100

85 41.5 33.8 50.8

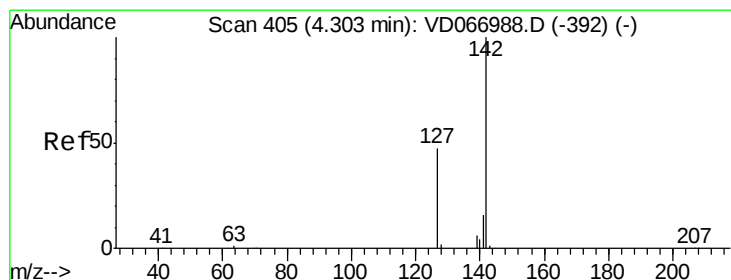
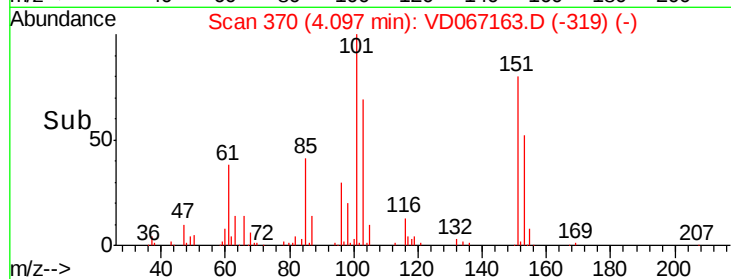
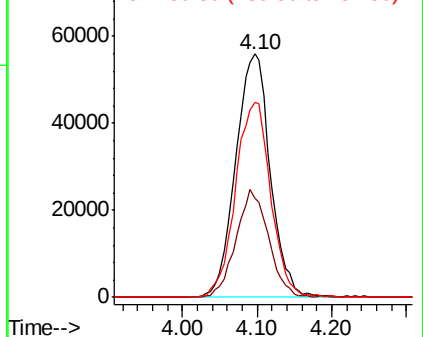
151 81.4 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.583 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

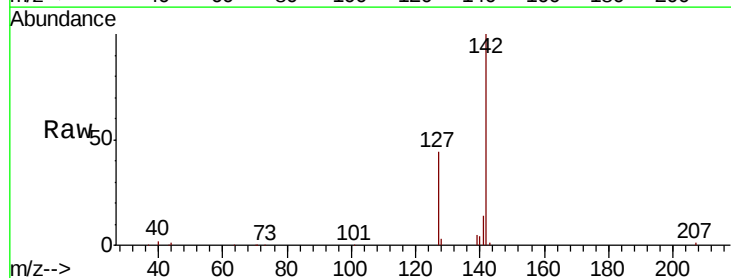
Tgt Ion:142 Resp: 189067

Ion Ratio Lower Upper

142 100

127 46.5 36.3 54.5

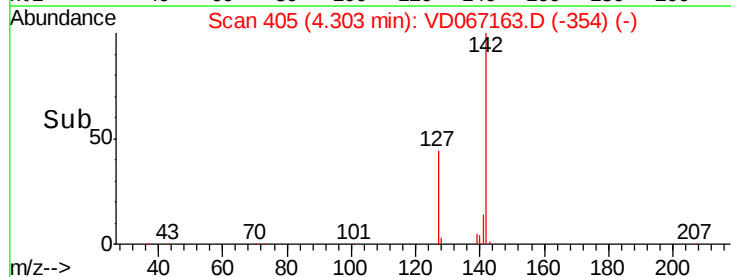
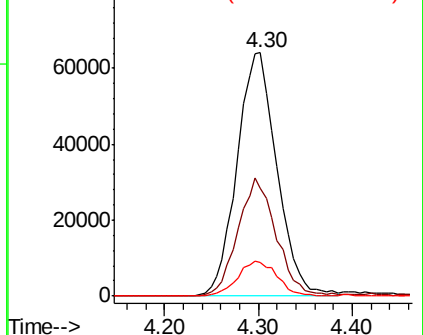
141 14.1 12.0 18.0

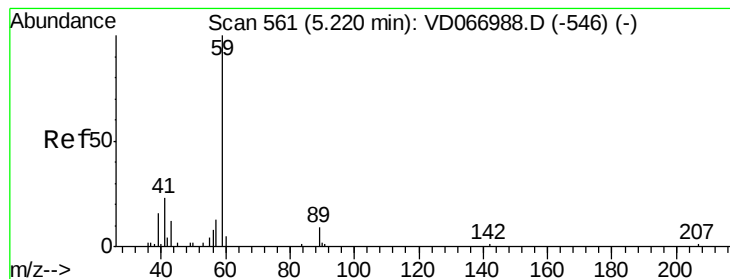


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 237.427 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

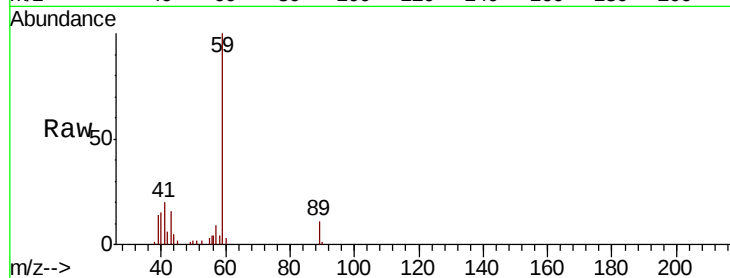
VSTDCCC050EC

Tot Ion: 59 Resp: 54082

Ion Ratio Lower Upper

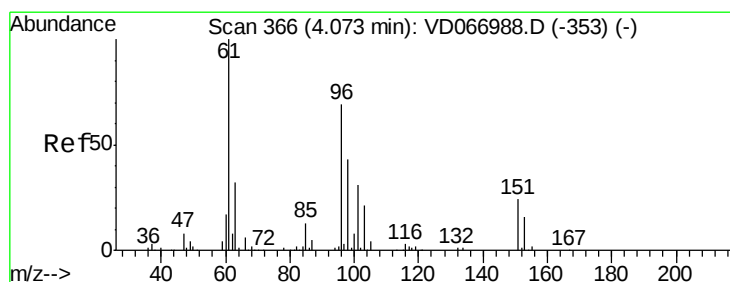
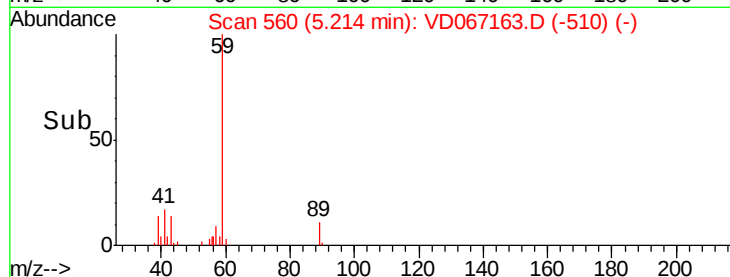
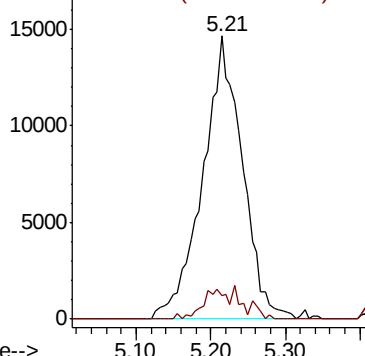
59 100

57 6.3 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 45.862 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

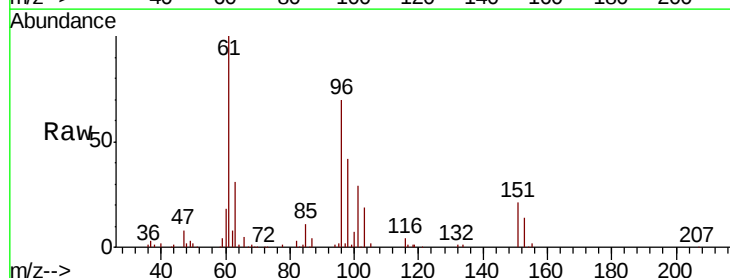
Tgt Ion: 96 Resp: 172674

Ion Ratio Lower Upper

96 100

61 142.0 116.4 174.6

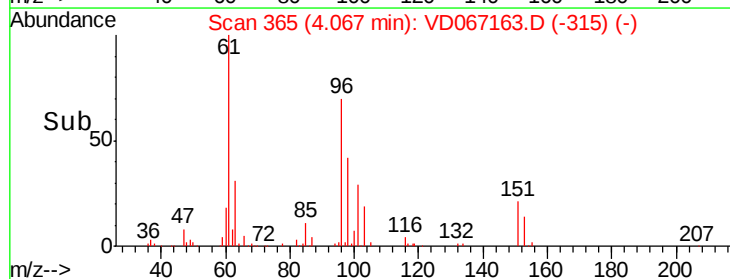
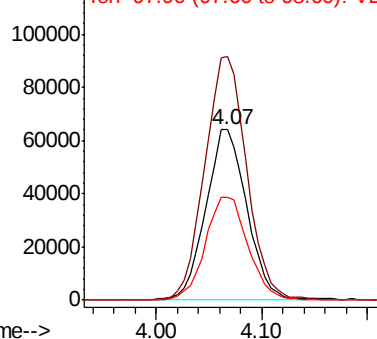
98 60.0 49.9 74.9

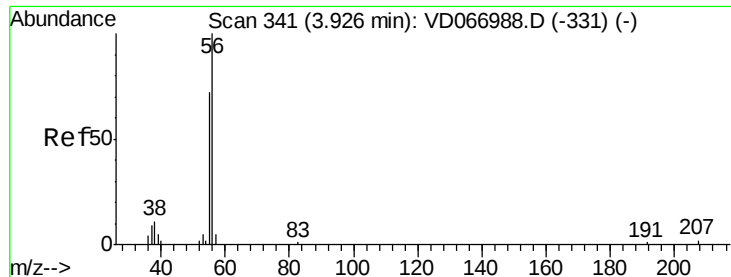


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 231.709 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

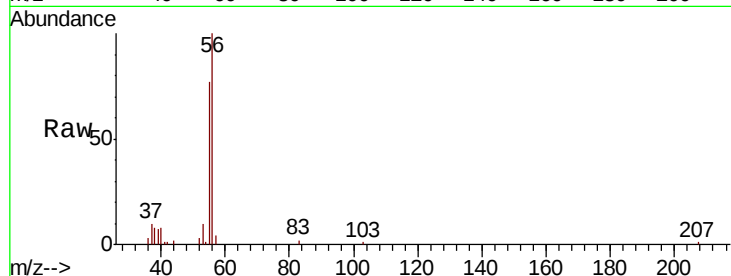
VSTDCCC050EC

Tot Ion: 56 Resp: 59688

Ion Ratio Lower Upper

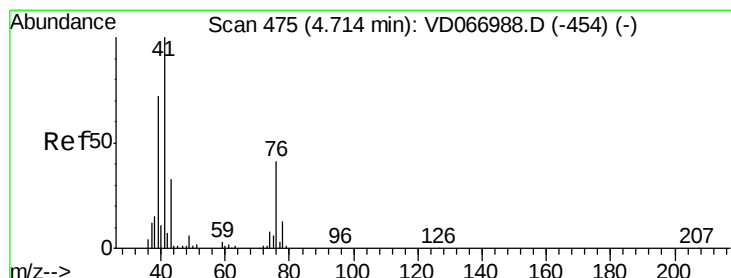
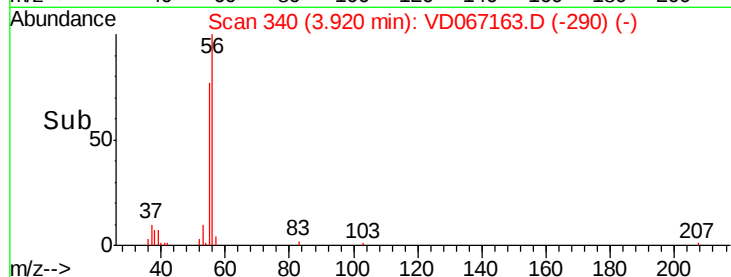
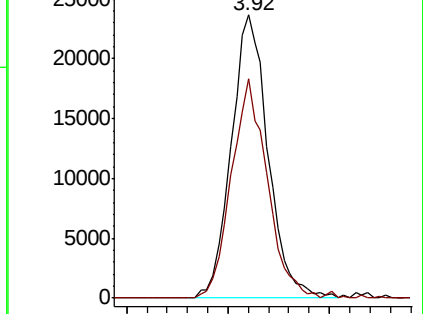
56 100

55 75.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.636 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

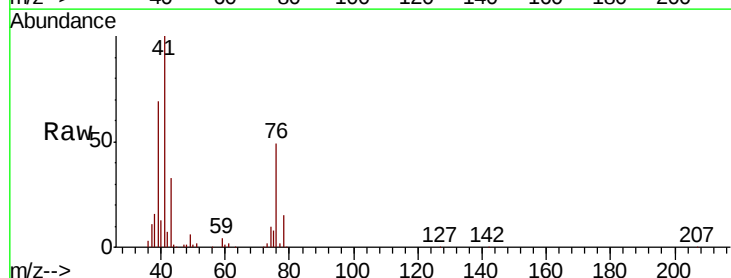
Tgt Ion: 41 Resp: 228105

Ion Ratio Lower Upper

41 100

39 70.6 56.2 84.2

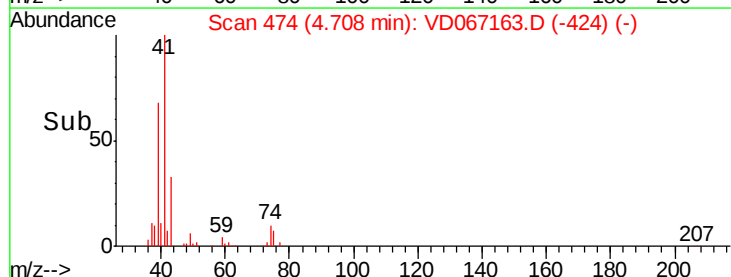
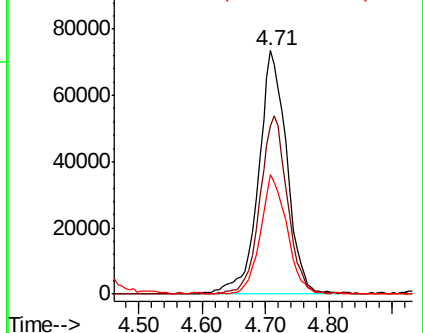
76 45.1 34.2 51.2

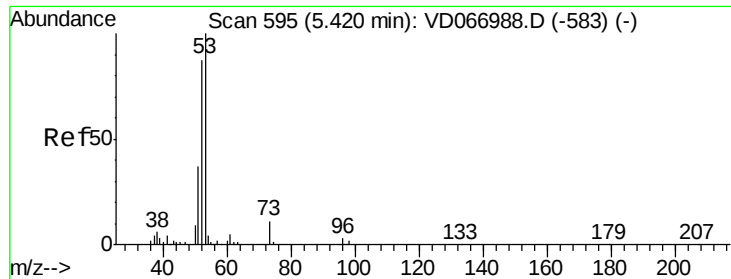


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 247.431 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

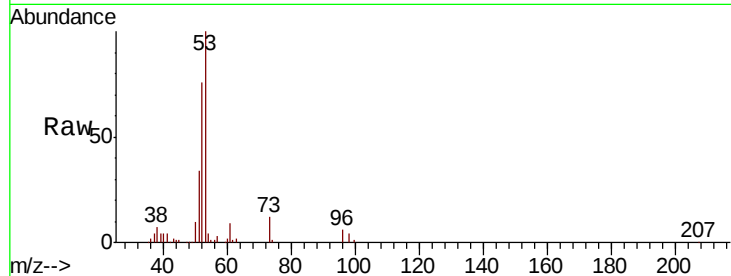
Tot Ion: 53 Resp: 160019

Ion Ratio Lower Upper

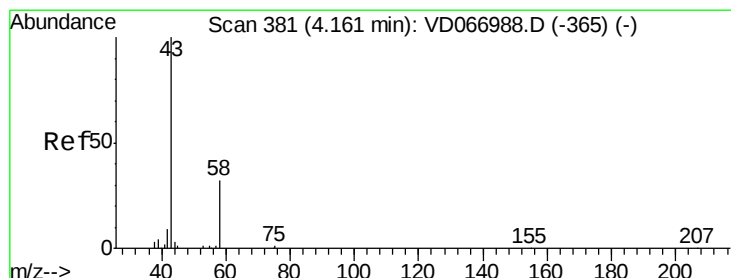
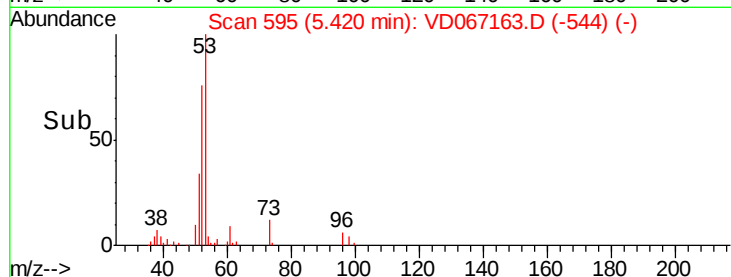
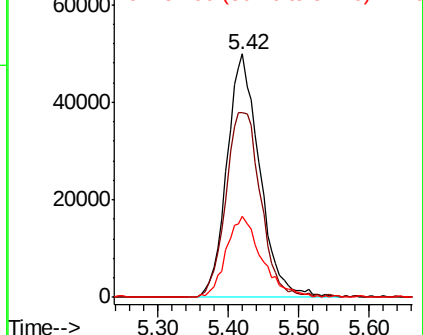
53 100

52 80.7 67.3 100.9

51 36.4 30.2 45.2



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: 241.958 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067163.D

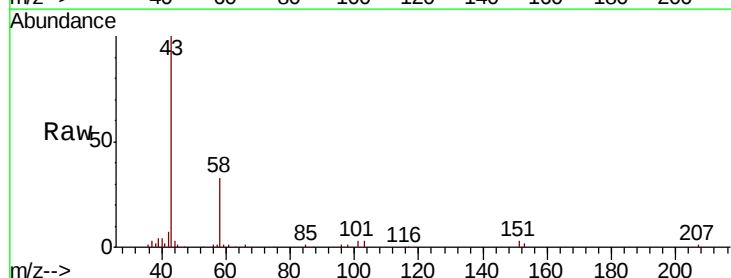
Acq: 07 Oct 2020 20:08

Tgt Ion: 43 Resp: 142092

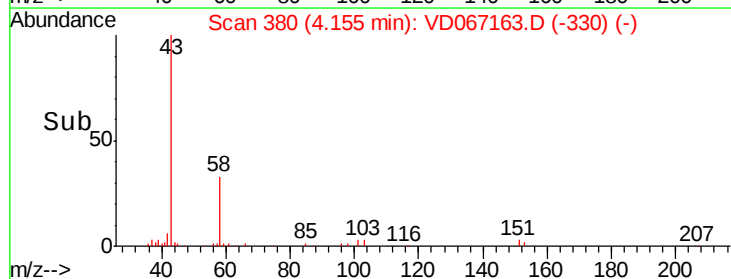
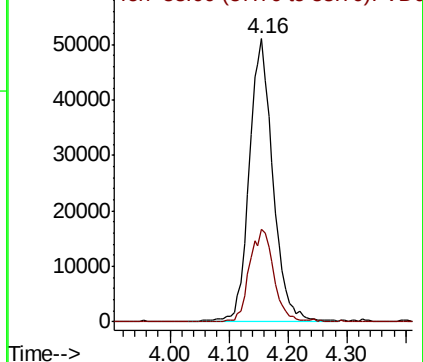
Ion Ratio Lower Upper

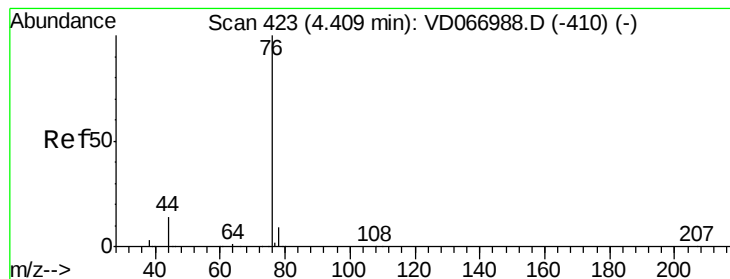
43 100

58 32.8 25.9 38.9



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





#17

Carbon Disulfide

Concen: 44.755 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

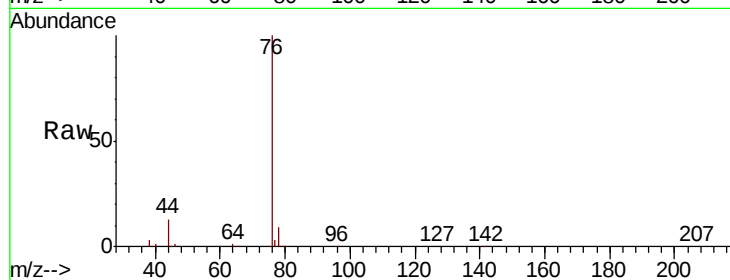
VSTDCCC050EC

Tot Ion: 76 Resp: 517144

Ion Ratio Lower Upper

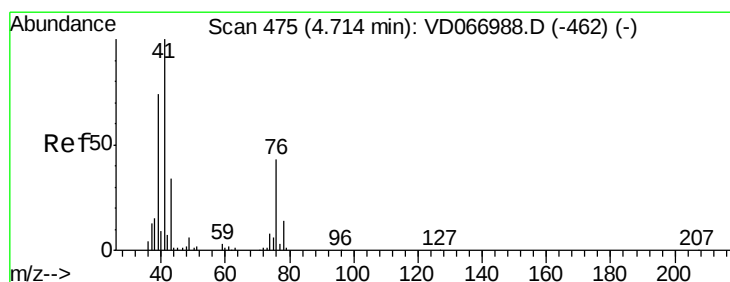
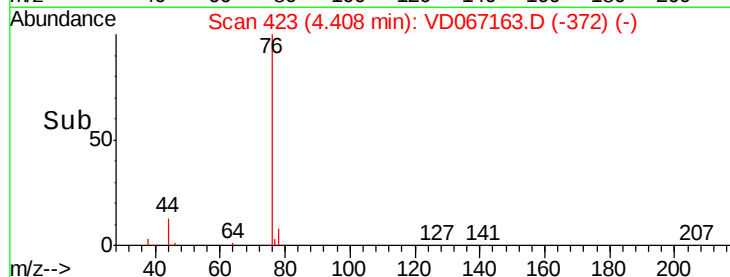
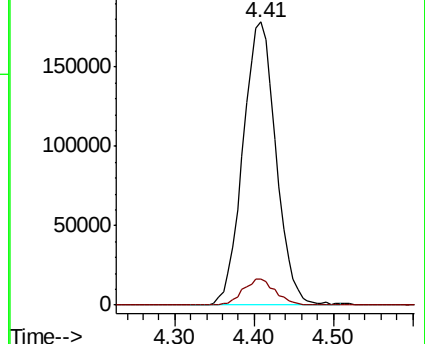
76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 52.889 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067163.D

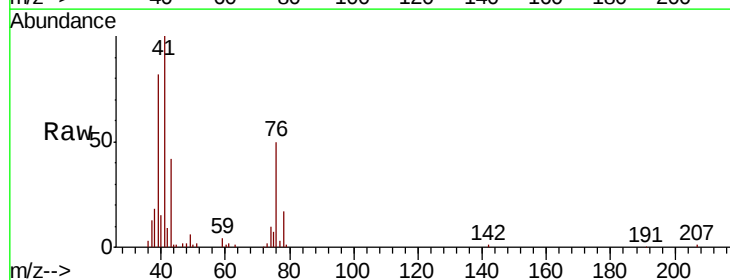
Acq: 07 Oct 2020 20:08

Tgt Ion: 43 Resp: 78064

Ion Ratio Lower Upper

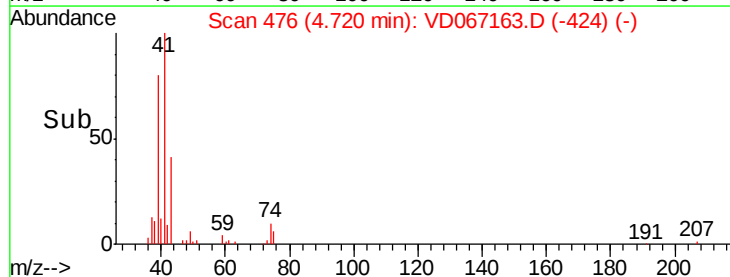
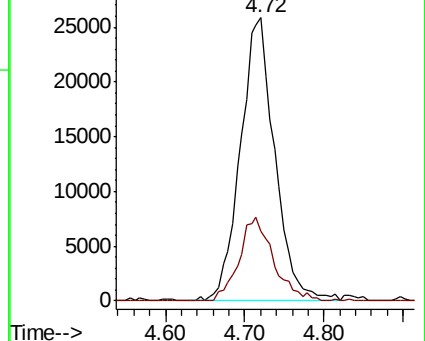
43 100

74 29.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

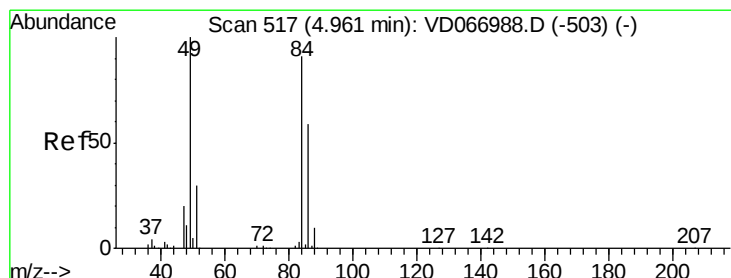
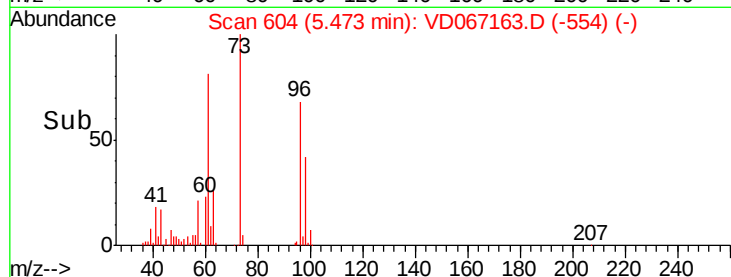
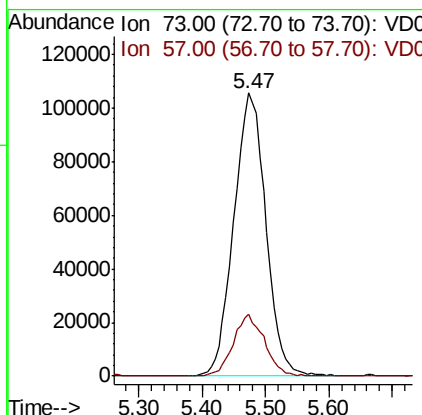
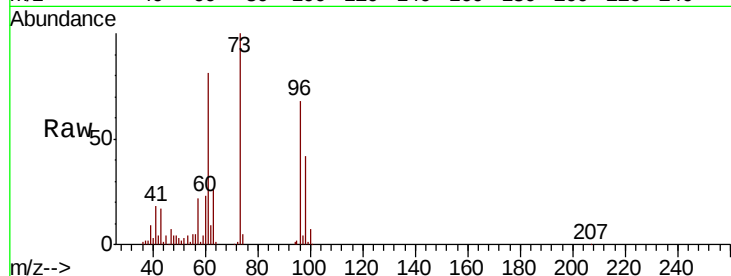




#19
Methyl tert-butyl Ether
Concen: 53.809 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

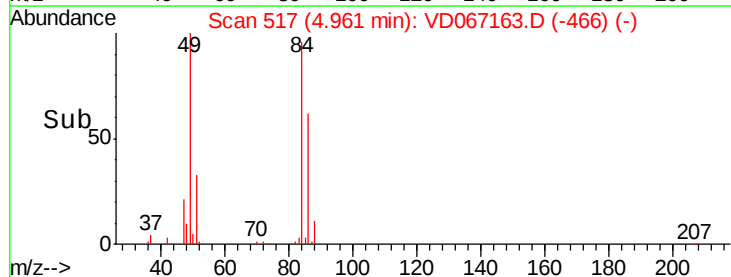
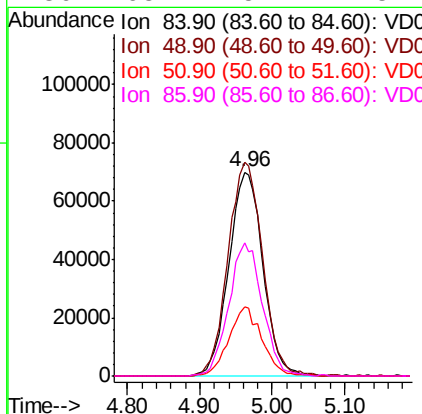
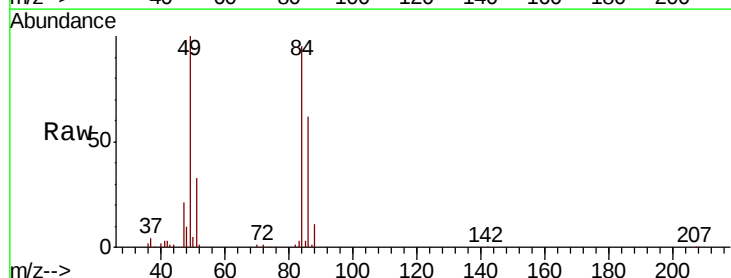
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

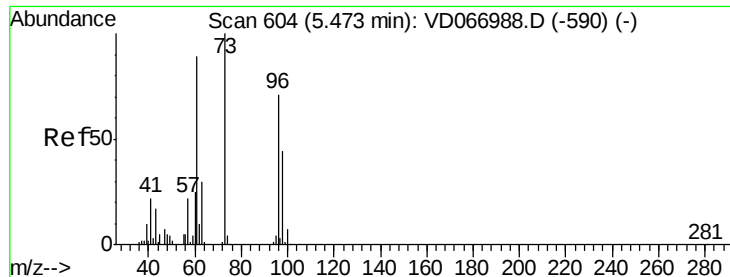
Tot Ion: 73 Resp: 369844
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0



#20
Methylene Chloride
Concen: 55.456 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 84 Resp: 227798
Ion Ratio Lower Upper
84 100
49 104.9 88.2 132.2
51 34.3 26.6 39.8
86 65.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.343 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

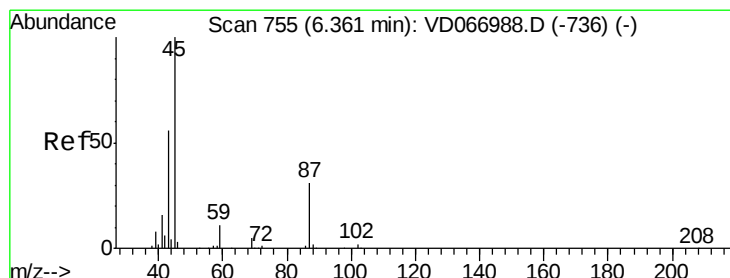
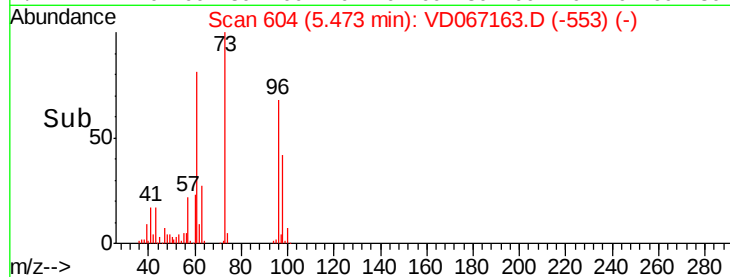
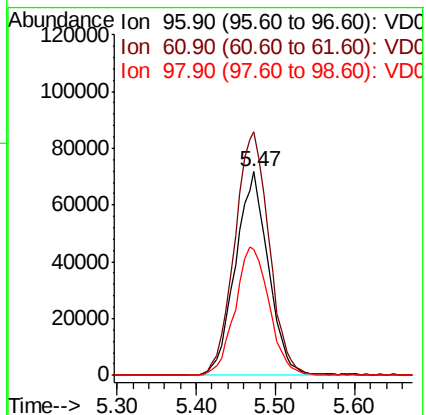
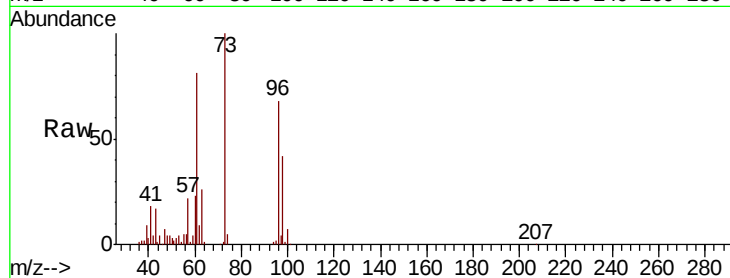
Tot Ion: 96 Resp: 207143

Ion Ratio Lower Upper

96 100

61 119.5 99.6 149.4

98 61.9 49.4 74.2



#22

Diisopropyl ether

Concen: 49.954 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Tgt Ion: 45 Resp: 446072

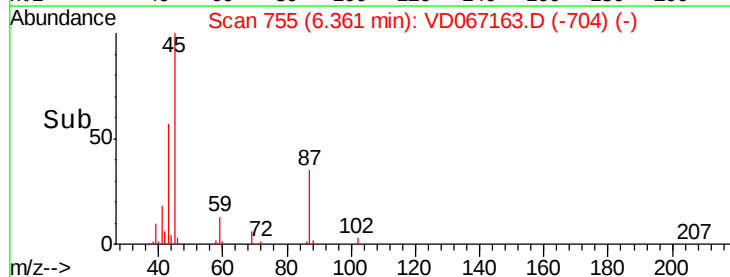
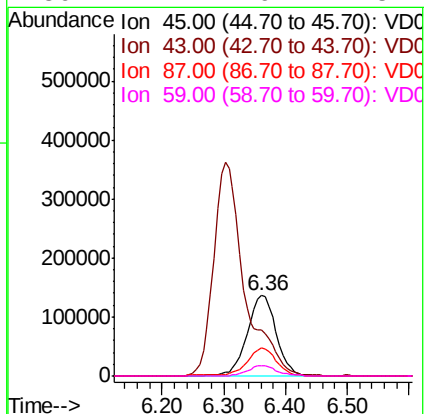
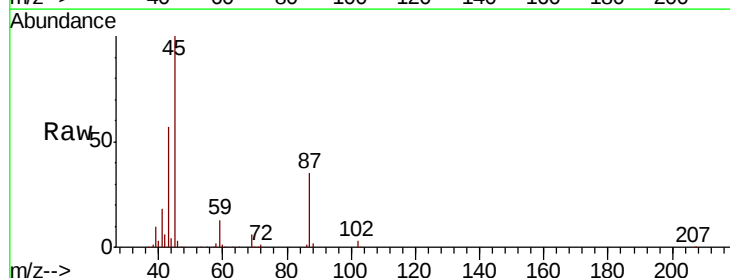
Ion Ratio Lower Upper

45 100

43 56.3 45.2 67.8

87 34.8 25.6 38.4

59 12.7 9.1 13.7

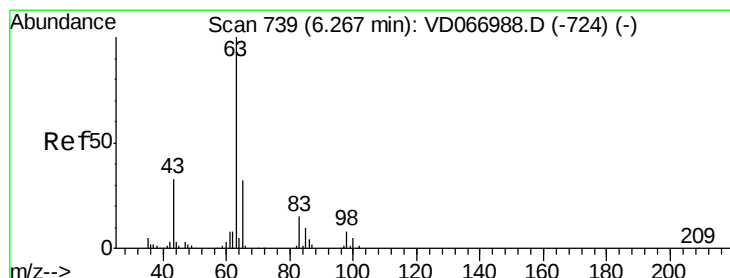
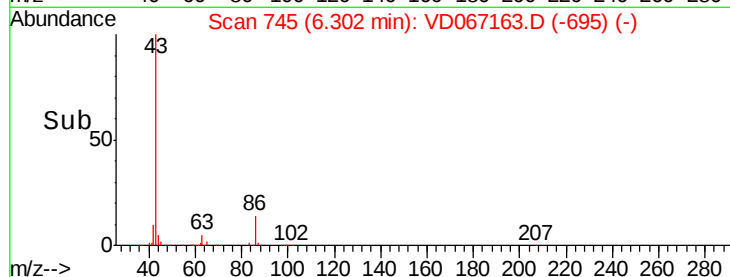
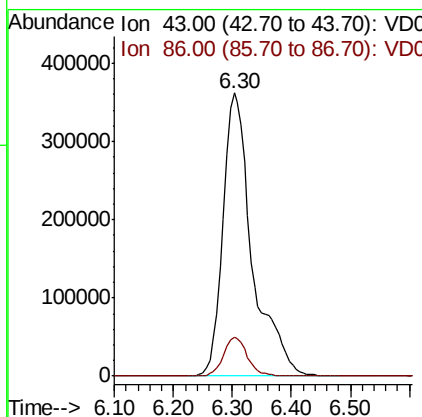
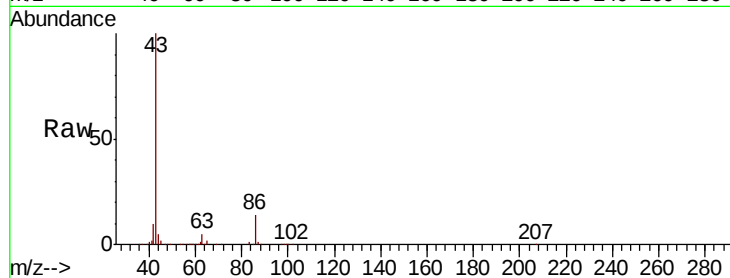




#23
 Vinyl Acetate
 Concen: 247.650 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

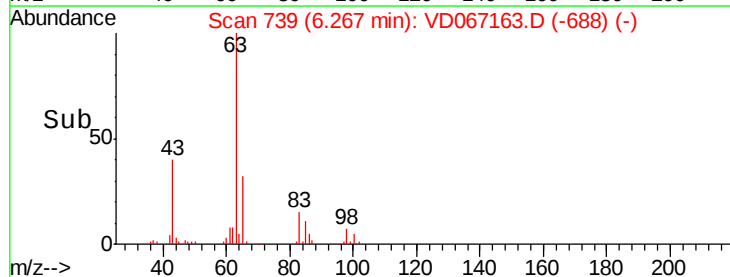
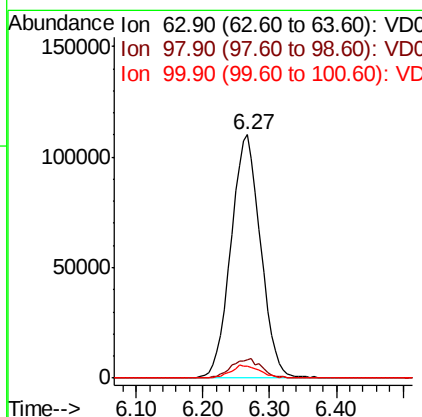
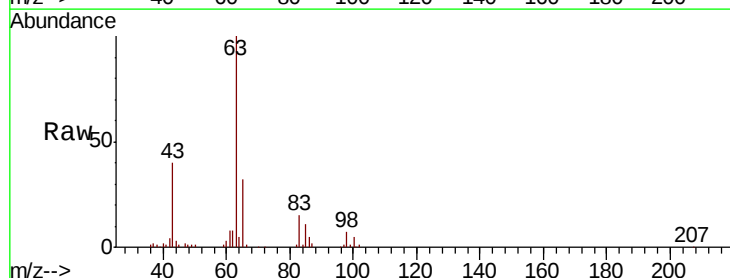
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

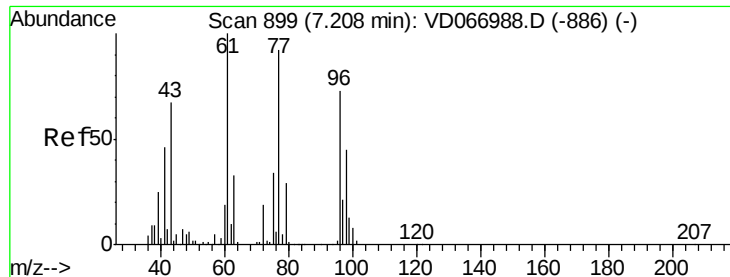
Tot Ion: 43 Resp: 1253129
 Ion Ratio Lower Upper
 43 100
 86 13.5 10.2 15.2



#24
 1,1-Dichloroethane
 Concen: 49.350 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

Tgt Ion: 63 Resp: 340093
 Ion Ratio Lower Upper
 63 100
 98 7.4 4.2 12.6
 100 5.1 2.6 7.8

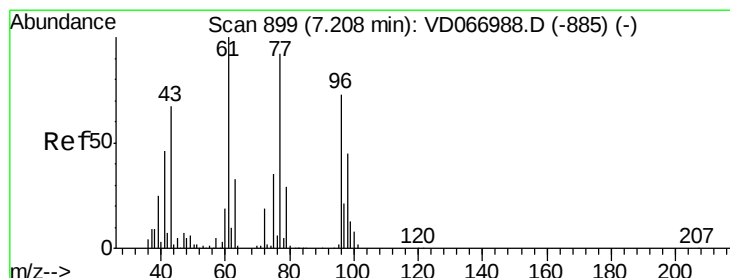
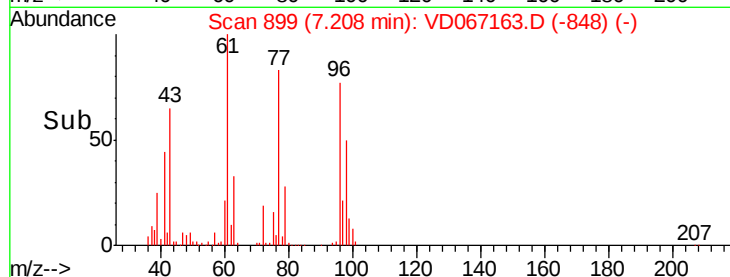
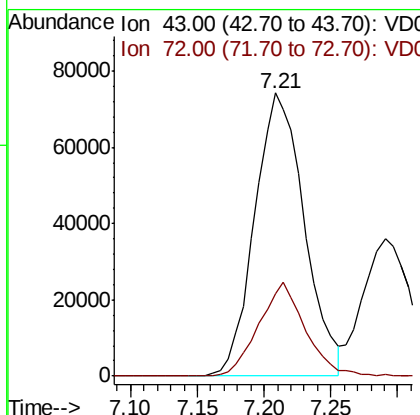
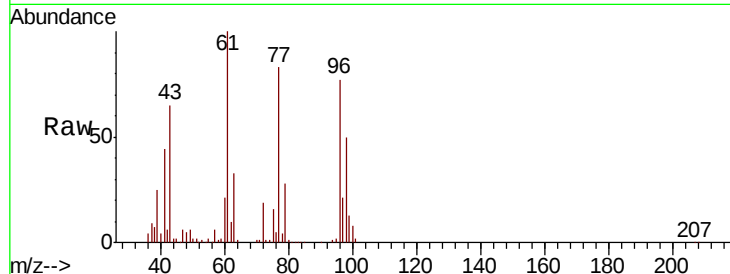




#25
2-Butanone
Concen: 230.507 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

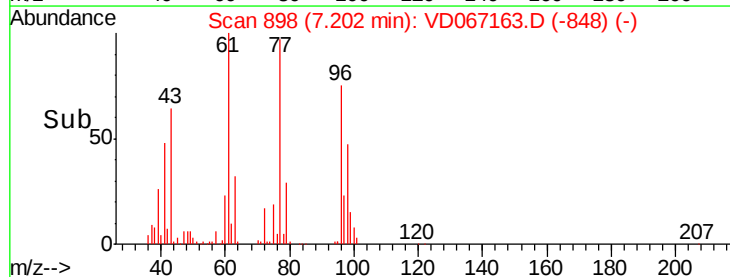
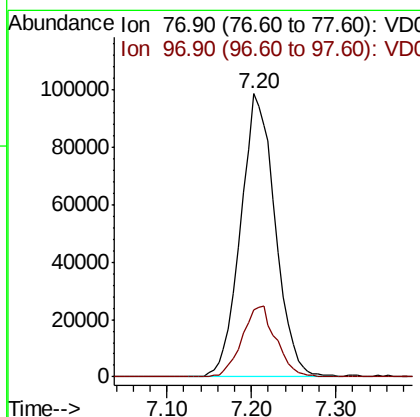
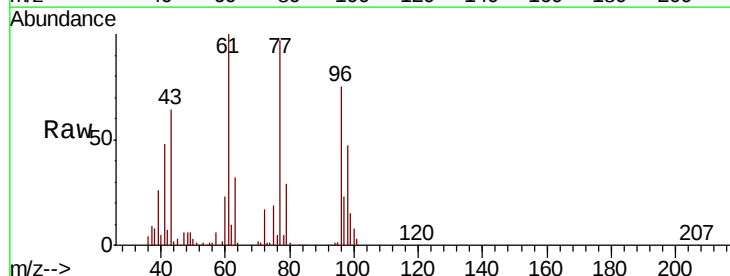
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

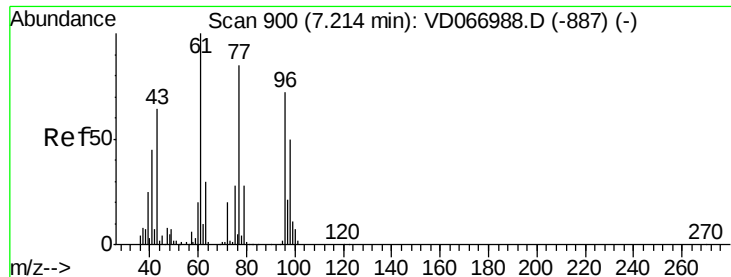
Tot Ion: 43 Resp: 191920
Ion Ratio Lower Upper
43 100
72 28.9 22.8 34.2



#26
2,2-Dichloropropane
Concen: 47.370 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 77 Resp: 280423
Ion Ratio Lower Upper
77 100
97 24.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.431 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

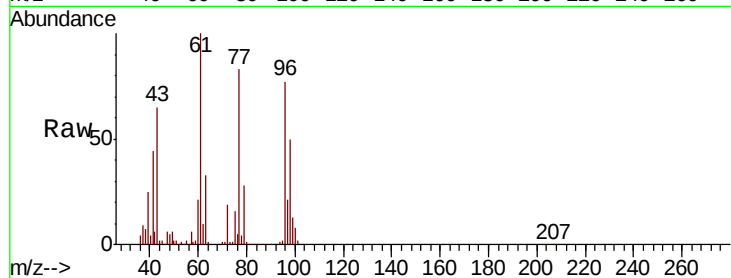
Tot Ion: 96 Resp: 235358

Ion Ratio Lower Upper

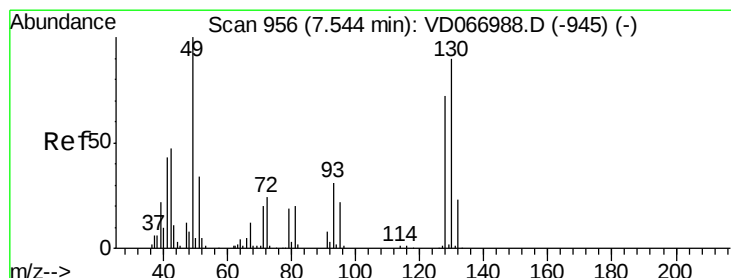
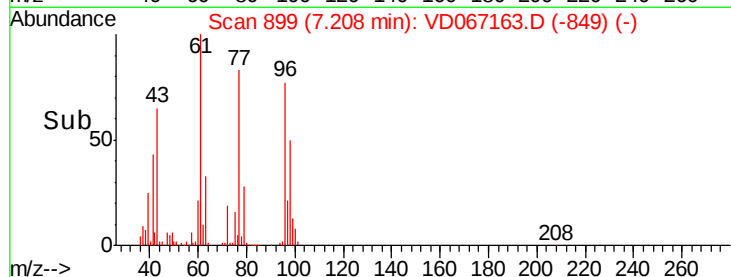
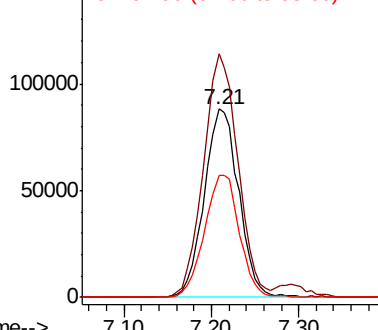
96 100

61 129.3 0.0 269.2

98 66.0 0.0 129.4



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



#28

Bromochloromethane

Concen: 49.474 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

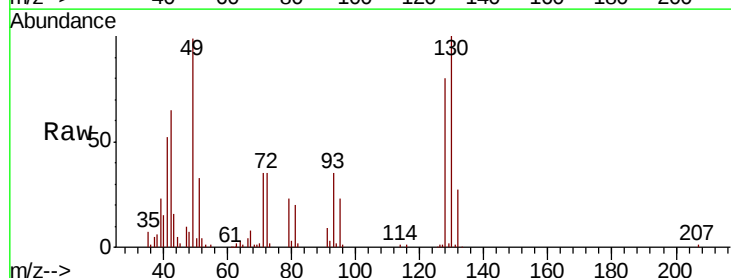
Tgt Ion: 49 Resp: 131669

Ion Ratio Lower Upper

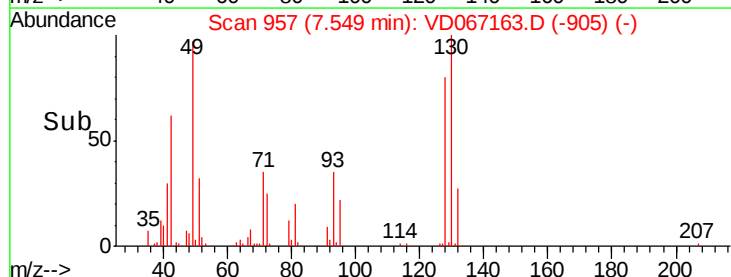
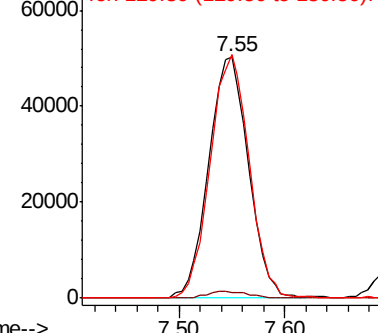
49 100

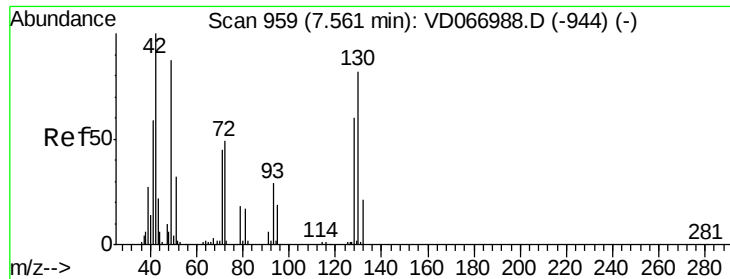
129 2.7 0.0 4.6

130 99.0 74.1 111.1



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

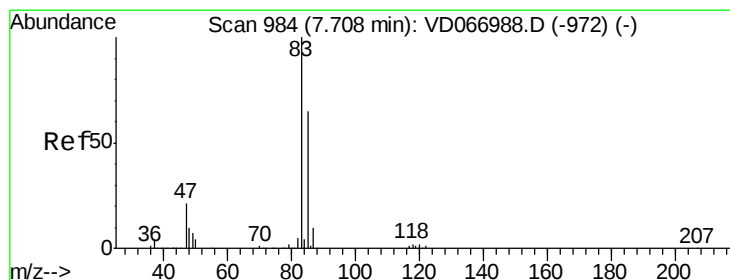
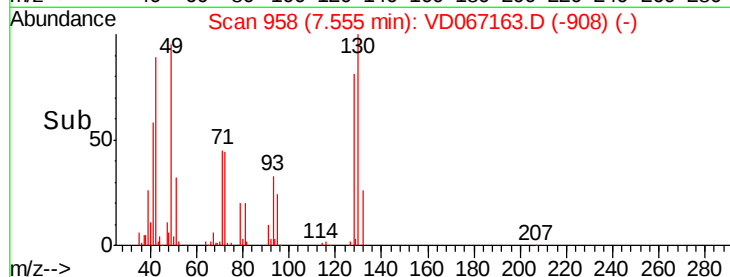
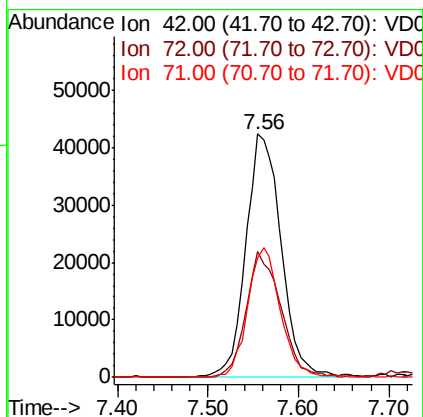
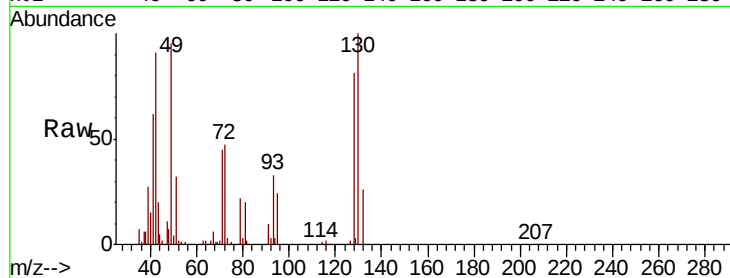




#29
Tetrahydrofuran
Concen: 239.706 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

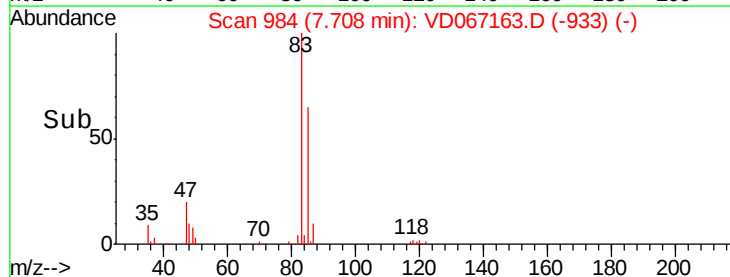
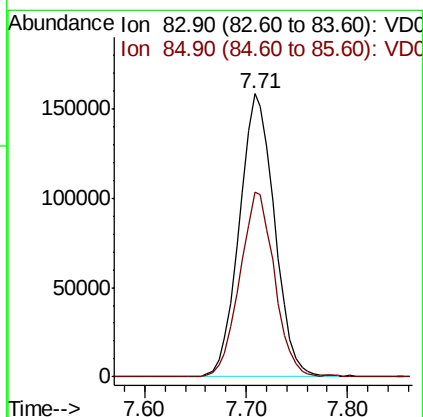
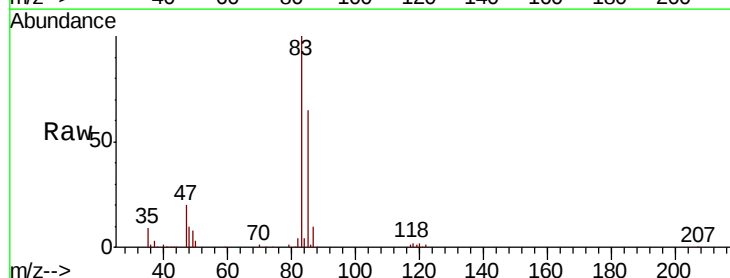
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

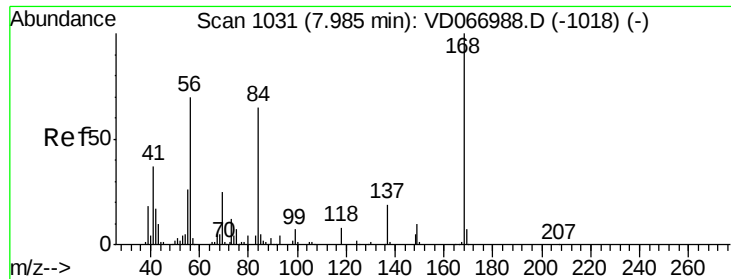
Tot Ion: 42 Resp: 114756
Ion Ratio Lower Upper
42 100
72 50.9 39.1 58.7
71 49.1 34.2 51.4



#30
Chloroform
Concen: 51.034 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 83 Resp: 381515
Ion Ratio Lower Upper
83 100
85 65.3 52.3 78.5

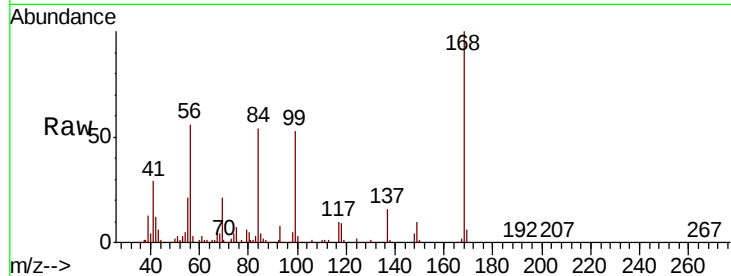




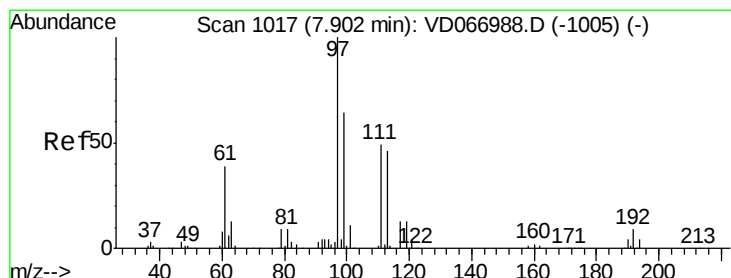
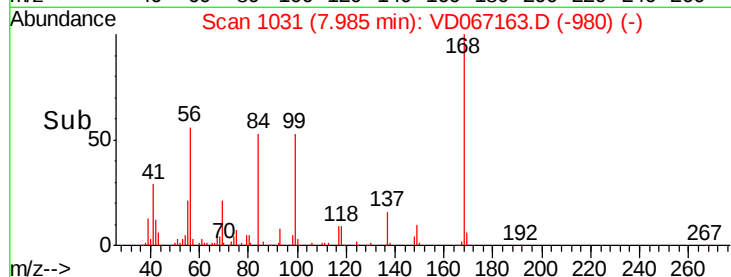
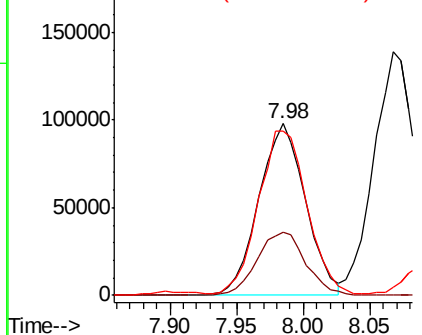
#31
Cyclohexane
Concen: 41.197 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 238018
Ion Ratio Lower Upper
56 100
69 36.4 29.0 43.6
84 93.9 74.2 111.2

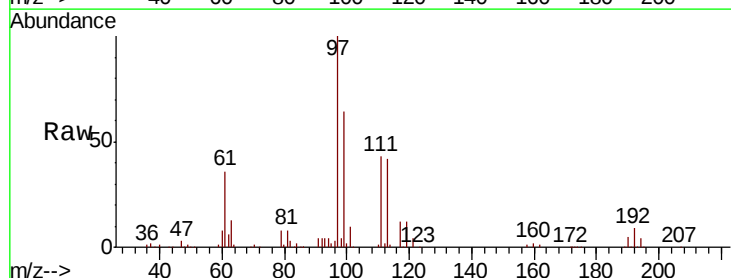


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

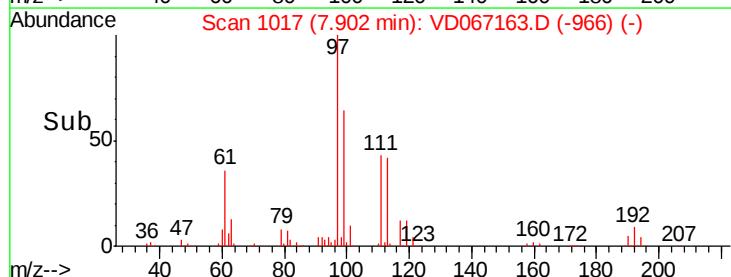
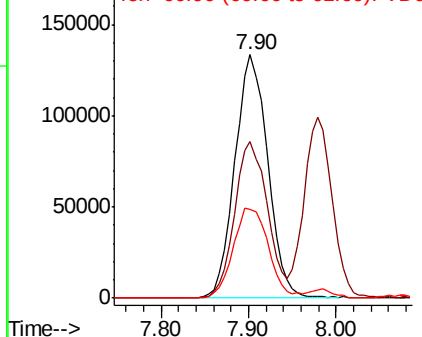


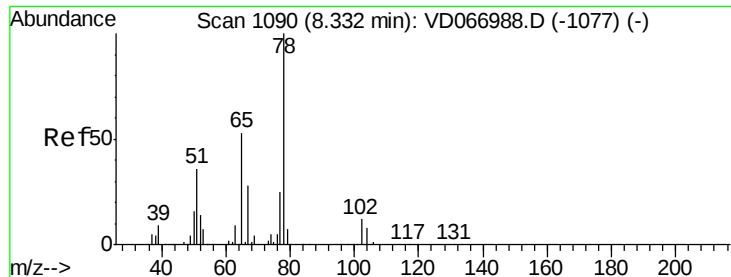
#32
1,1,1-Trichloroethane
Concen: 48.990 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 97 Resp: 339414
Ion Ratio Lower Upper
97 100
99 64.6 52.6 78.8
61 39.7 32.8 49.2



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





#33

1,2-Dichloroethane-d4

Concen: 48.214 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

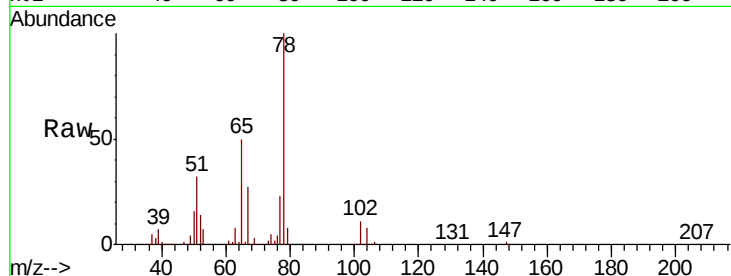
VSTDCCC050EC

Tot Ion: 65 Resp: 185483

Ion Ratio Lower Upper

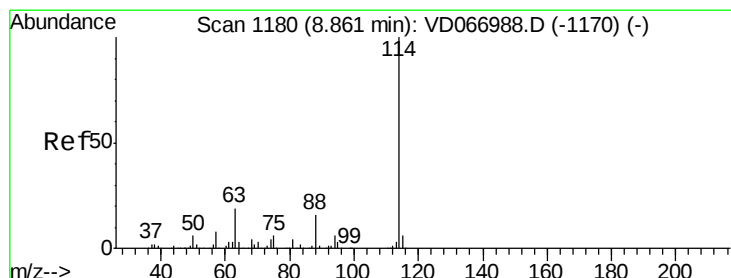
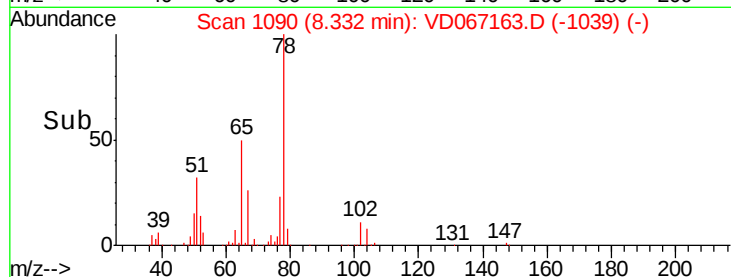
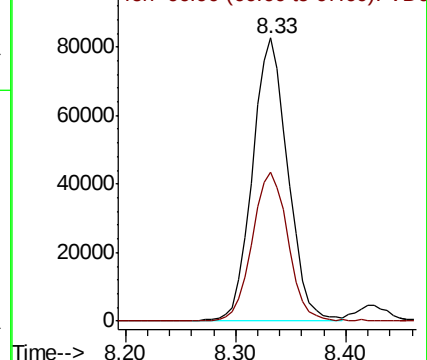
65 100

67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

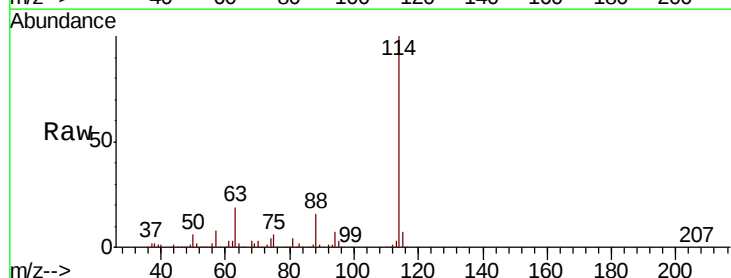
Tgt Ion: 114 Resp: 630695

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

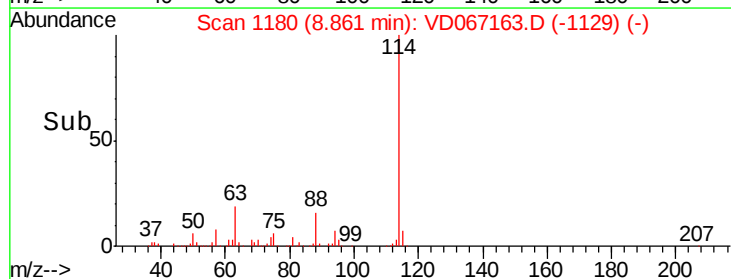
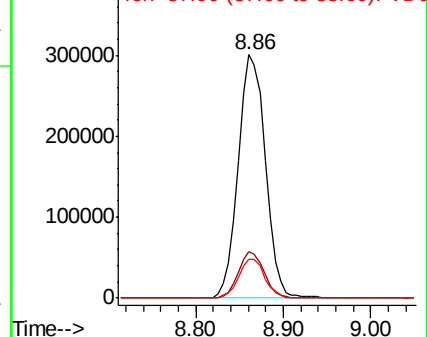
88 15.8 0.0 31.2

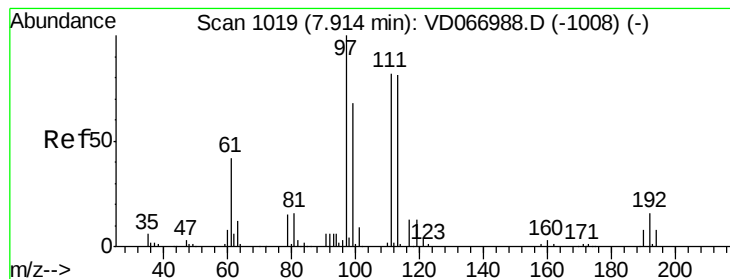


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.515 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

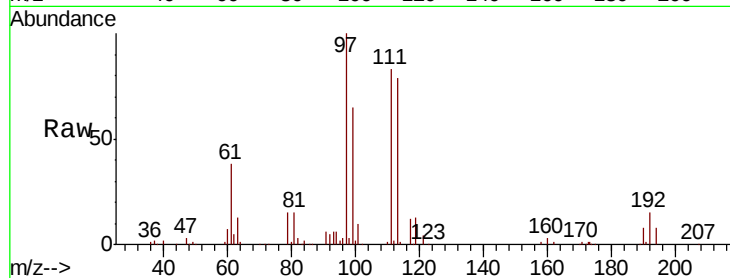
Tot Ion:113 Resp: 208577

Ion Ratio Lower Upper

113 100

111 99.7 83.0 124.4

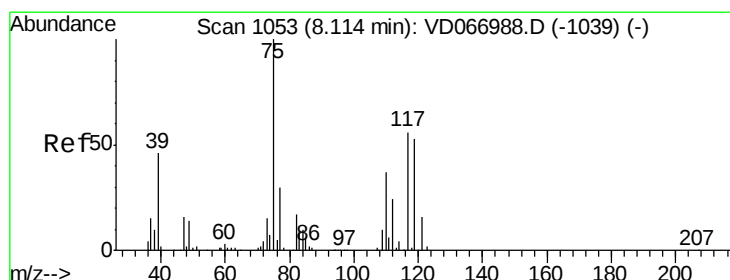
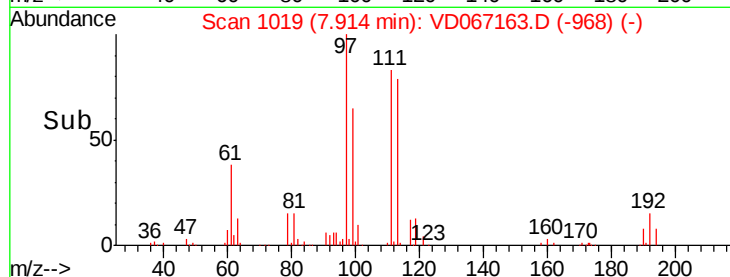
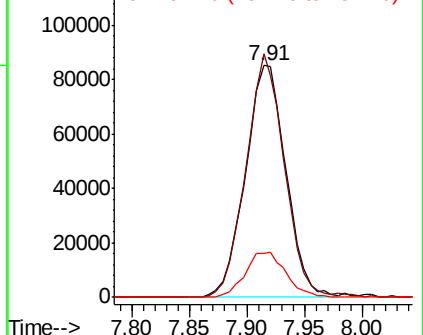
192 19.4 15.5 23.3



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: 45.577 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

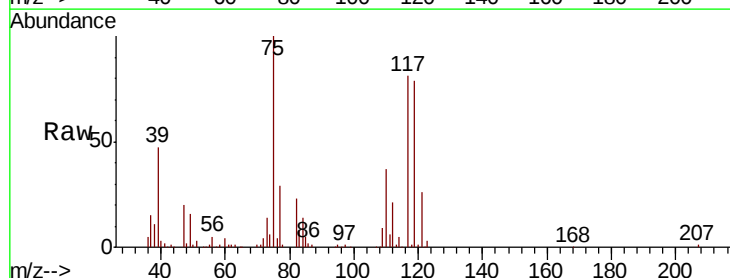
Tgt Ion: 75 Resp: 267937

Ion Ratio Lower Upper

75 100

110 38.7 18.4 55.0

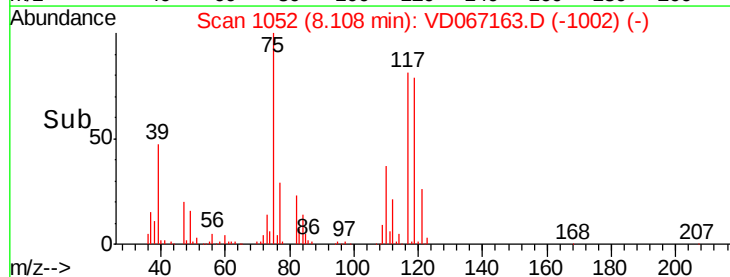
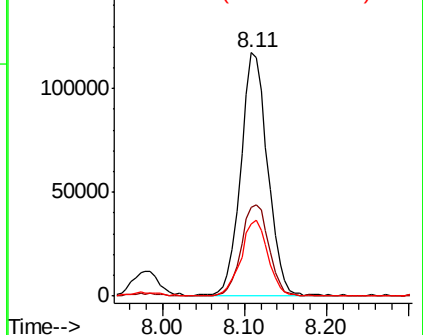
77 31.4 24.8 37.2

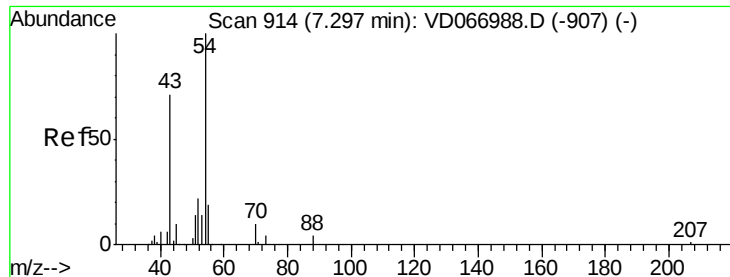


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

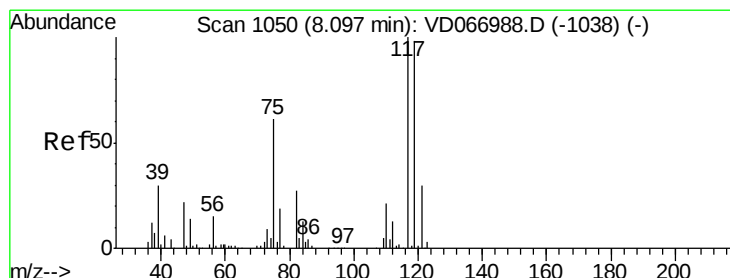
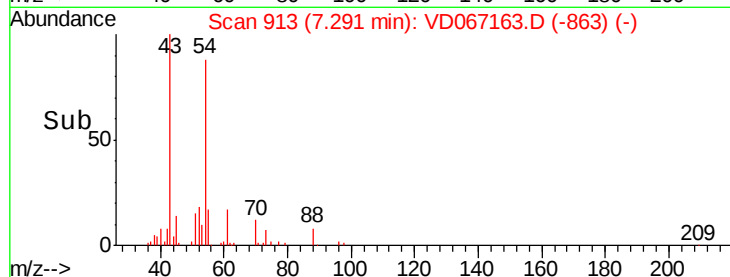
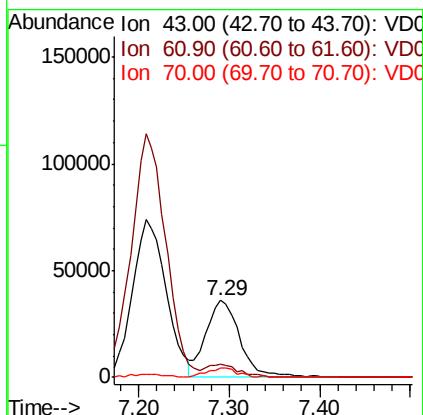
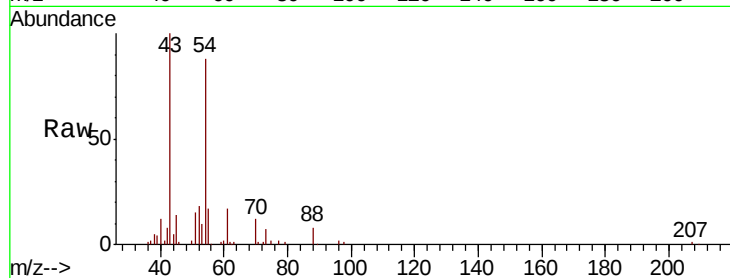




#37
Ethyl Acetate
Concen: 46.029 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

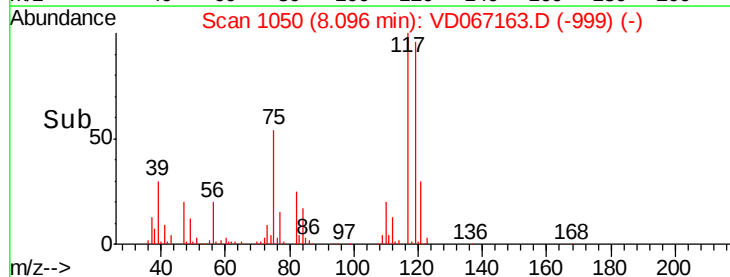
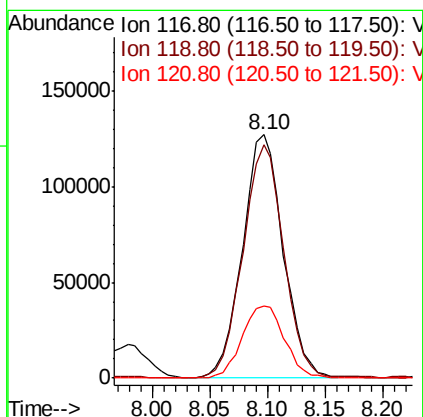
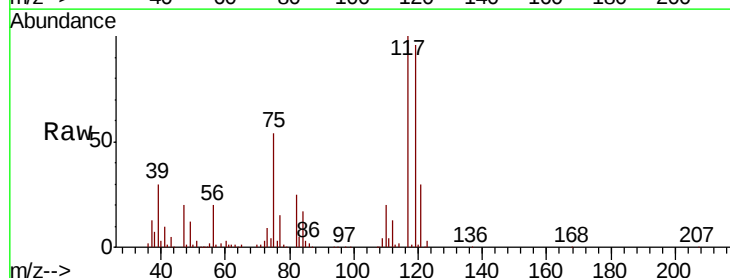
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

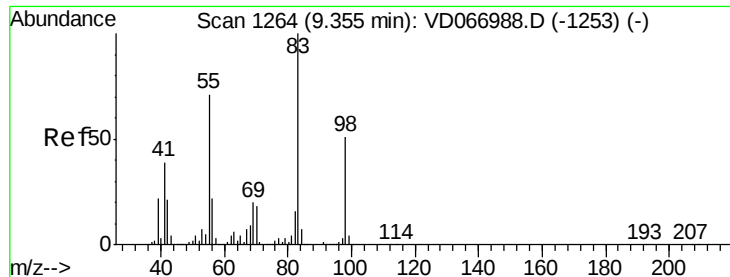
Tot Ion: 43 Resp: 93741
Ion Ratio Lower Upper
43 100
61 15.5 12.5 18.7
70 11.4 9.4 14.0



#38
Carbon Tetrachloride
Concen: 48.641 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 117 Resp: 309390
Ion Ratio Lower Upper
117 100
119 96.3 78.7 118.1
121 29.9 24.2 36.2

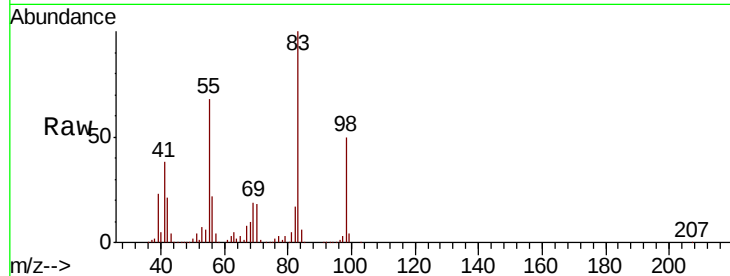




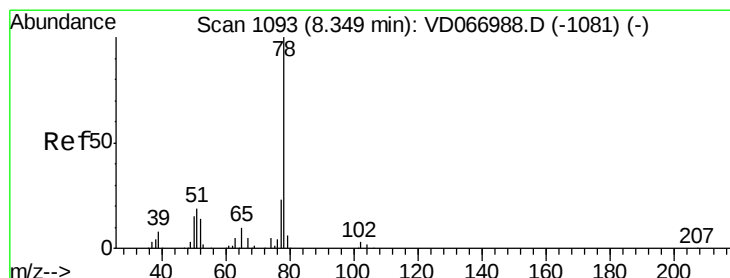
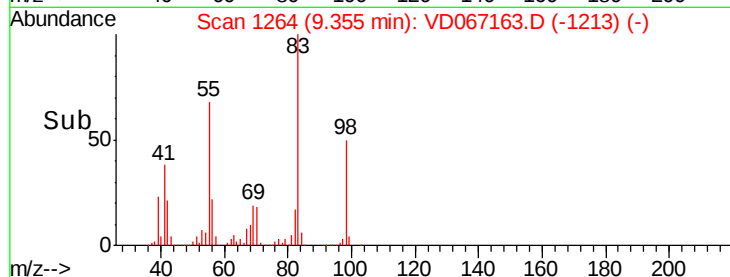
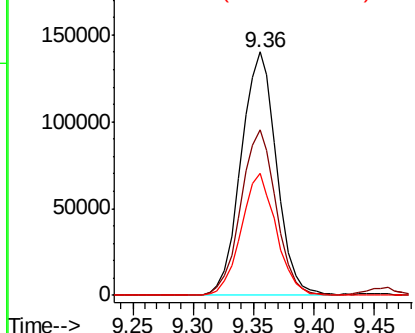
#39
Methylvlcvclohexane
Concen: 46.079 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 286395
Ion Ratio Lower Upper
83 100
55 68.1 57.1 85.7
98 49.9 40.9 61.3

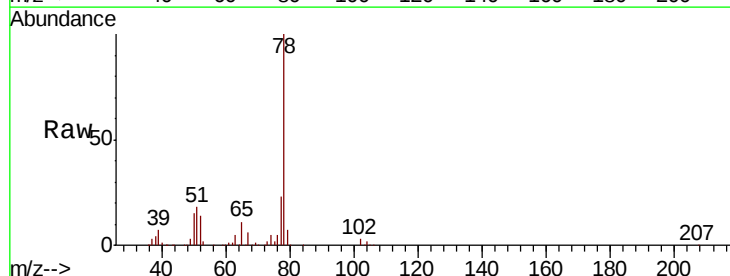


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

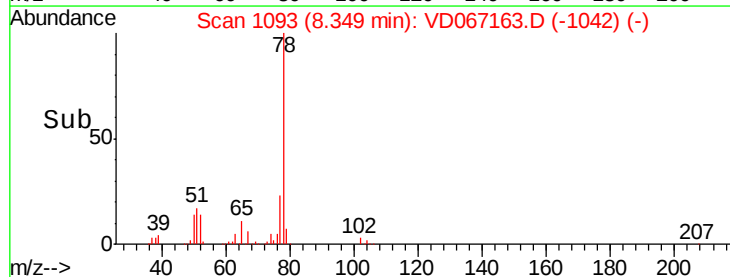
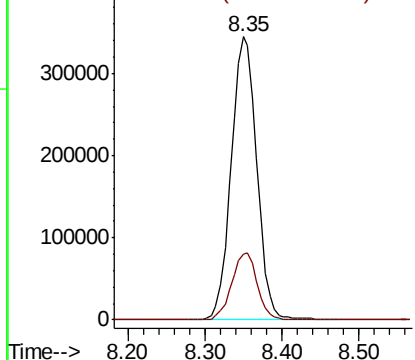


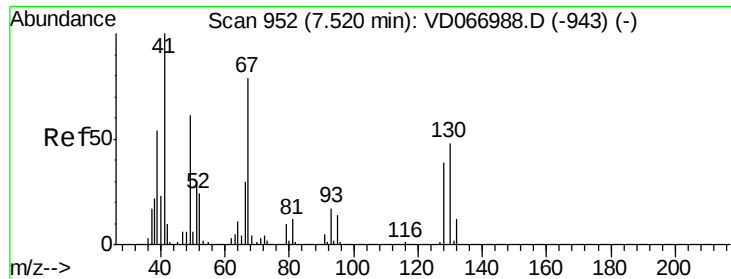
#40
Benzene
Concen: 49.065 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 78 Resp: 801167
Ion Ratio Lower Upper
78 100
77 23.1 18.4 27.6



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

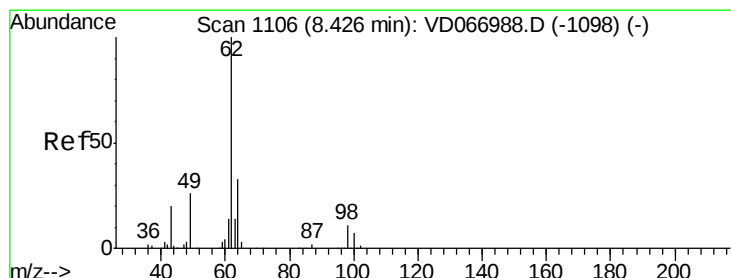
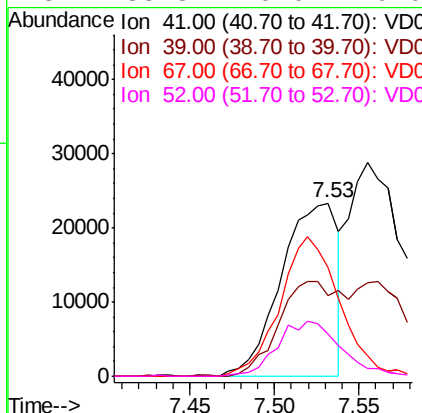
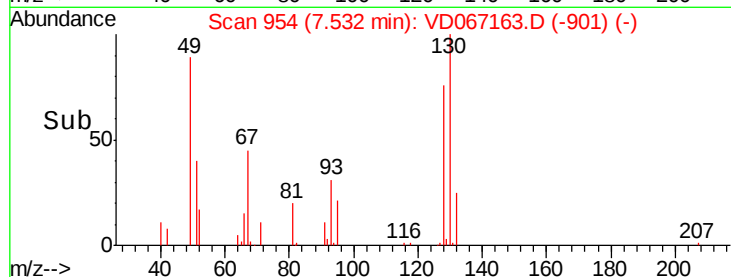
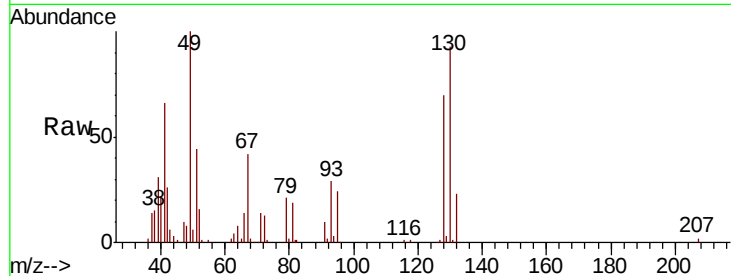




#41
Methacrylonitrile
Concen: 49.507 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

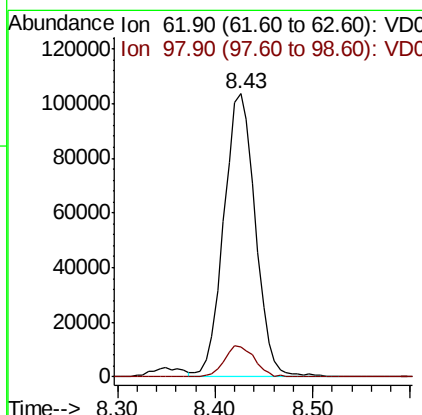
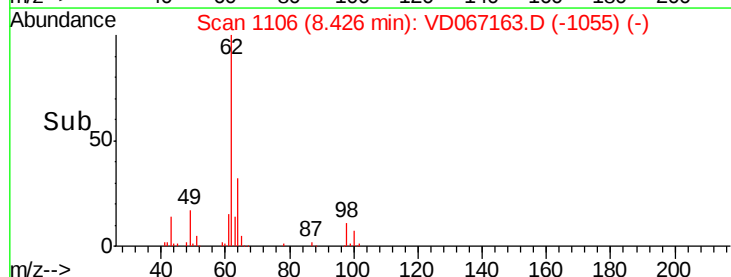
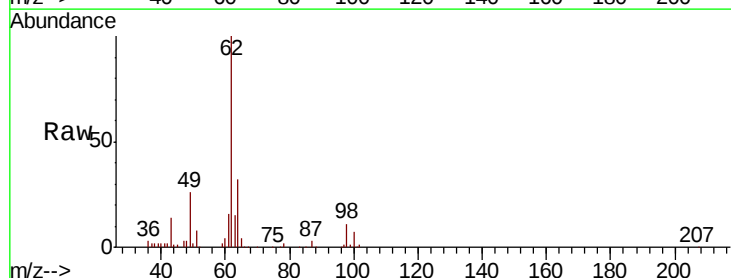
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

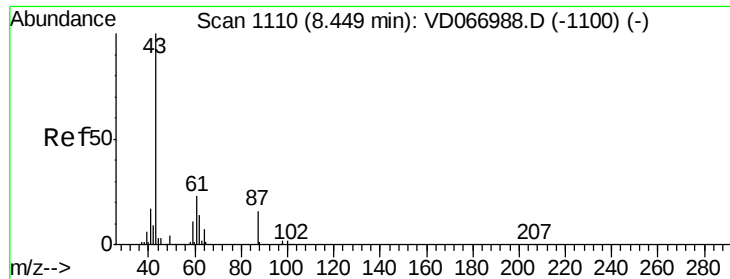
Tot Ion: 41 Resp: 54470
Ion Ratio Lower Upper
41 100
39 62.0 0.0 0.0#
67 85.0 0.0 0.0#
52 35.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 50.605 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 62 Resp: 230899
Ion Ratio Lower Upper
62 100
98 10.7 0.0 22.6





#43

Isopropyl Acetate

Concen: 48.545 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

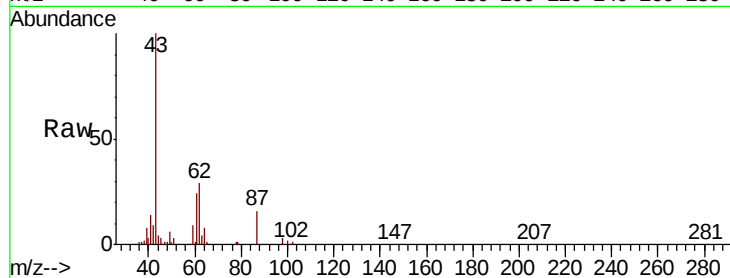
Tot Ion: 43 Resp: 182132

Ion Ratio Lower Upper

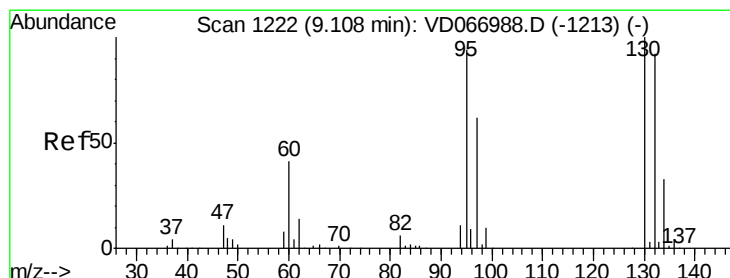
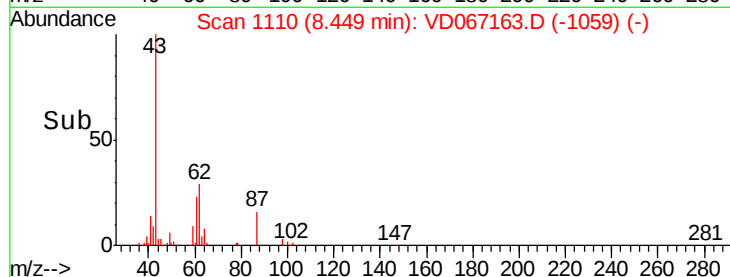
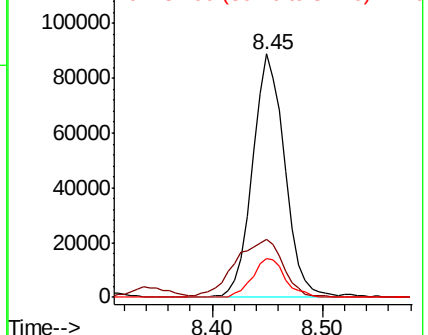
43 100

61 35.3 27.1 40.7

87 16.4 12.3 18.5



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: 49.365 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD067163.D

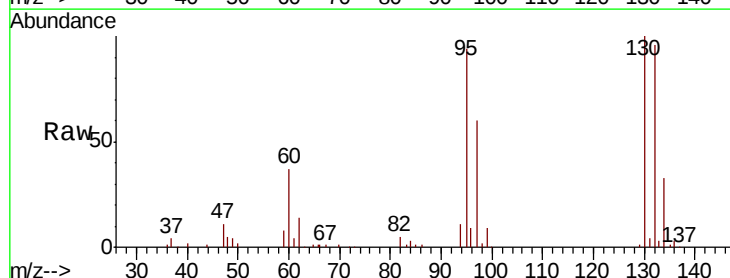
Acq: 07 Oct 2020 20:08

Tgt Ion:130 Resp: 240698

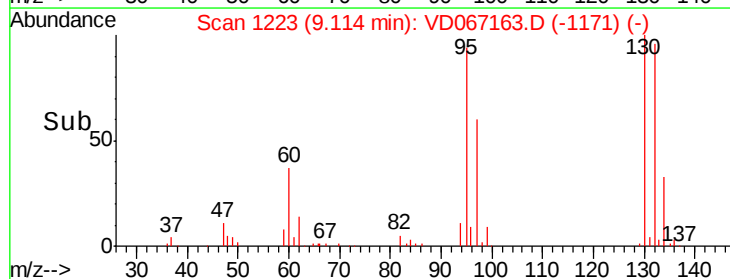
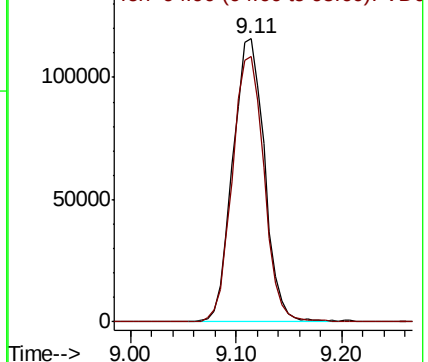
Ion Ratio Lower Upper

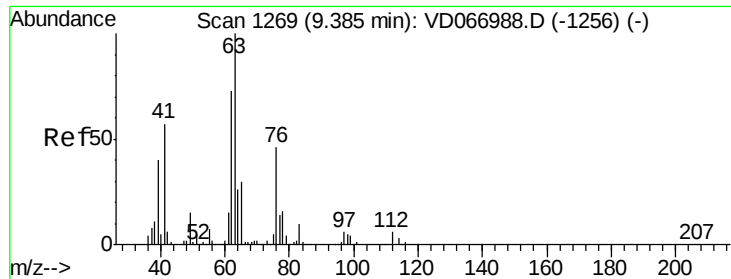
130 100

95 93.6 0.0 187.8



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





#45

1,2-Dichloropropane

Concen: 50.509 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

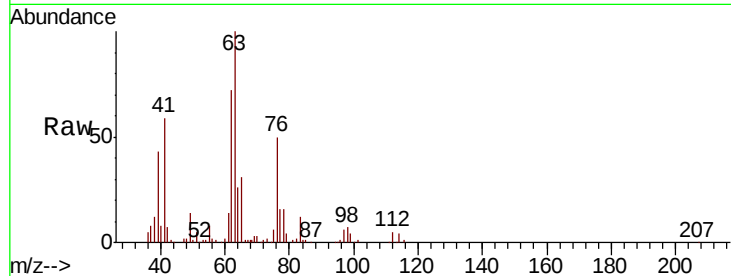
VSTDCCC050EC

Tot Ion: 63 Resp: 193784

Ion Ratio Lower Upper

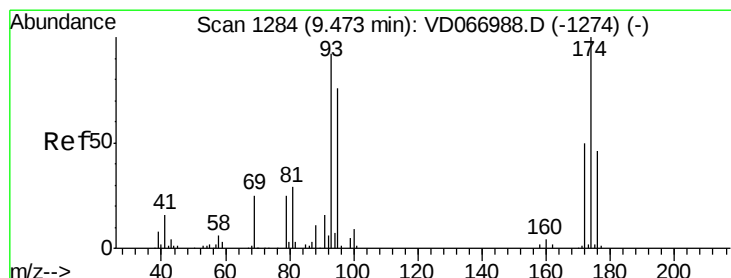
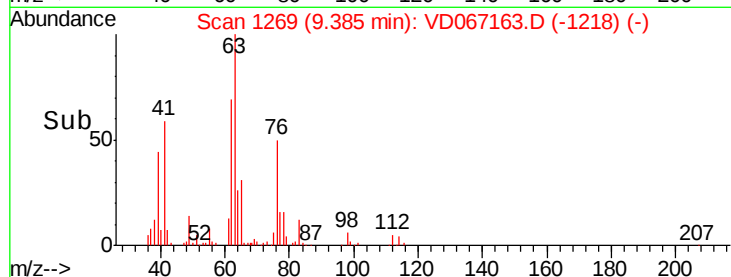
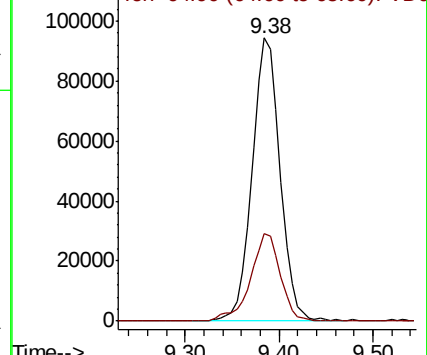
63 100

65 30.9 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.411 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

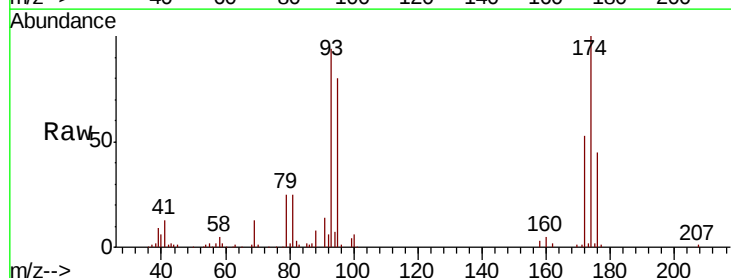
Tgt Ion: 93 Resp: 115571

Ion Ratio Lower Upper

93 100

95 80.8 64.7 97.1

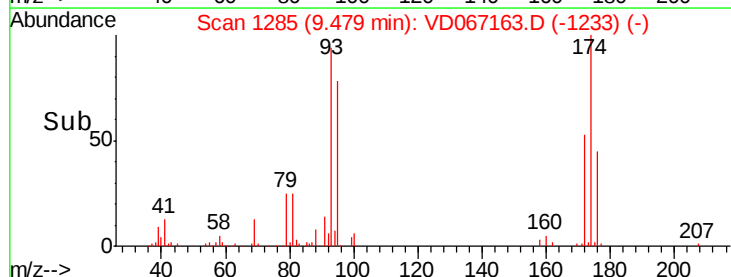
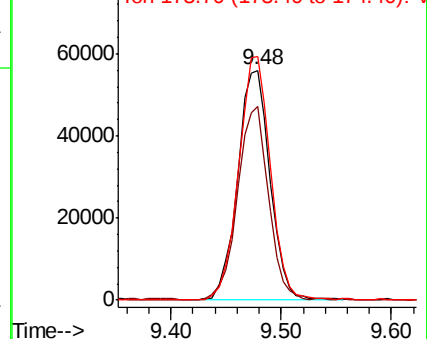
174 104.1 81.4 122.2

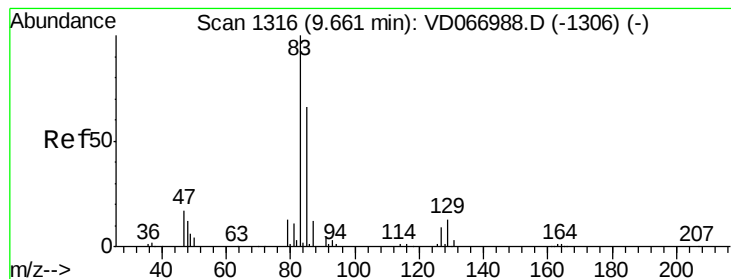


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.621 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

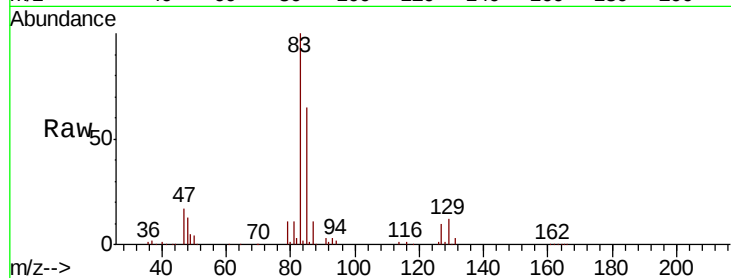
Tot Ion: 83 Resp: 295890

Ion Ratio Lower Upper

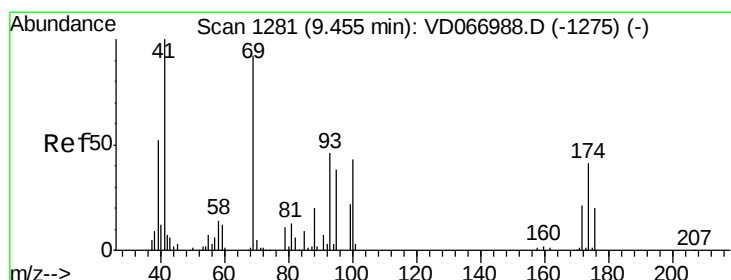
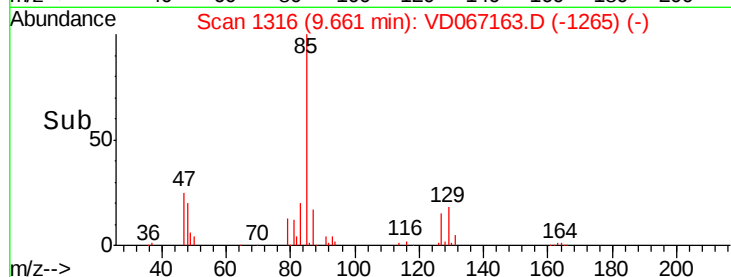
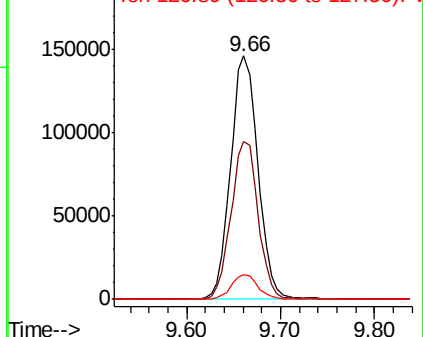
83 100

85 64.9 52.9 79.3

127 10.0 7.3 10.9



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



#48

Methyl methacrylate

Concen: 46.226 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

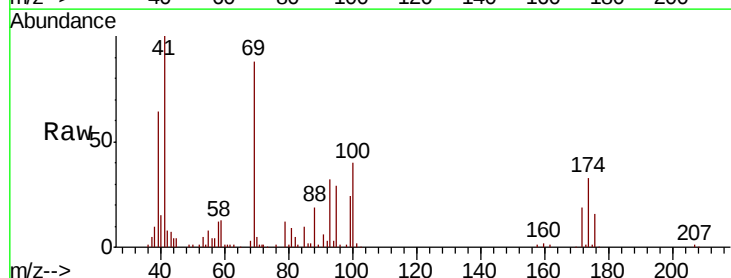
Tgt Ion: 41 Resp: 88851

Ion Ratio Lower Upper

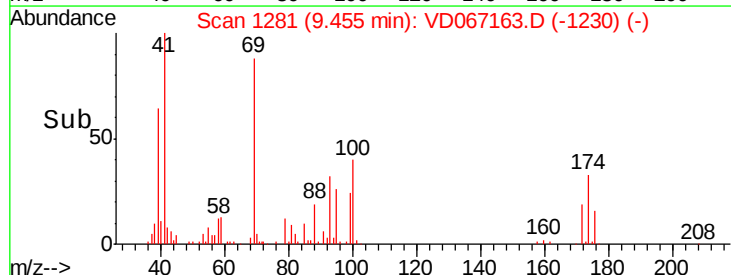
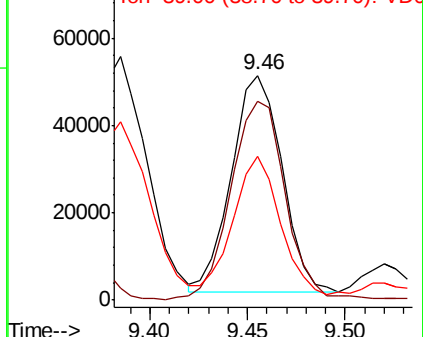
41 100

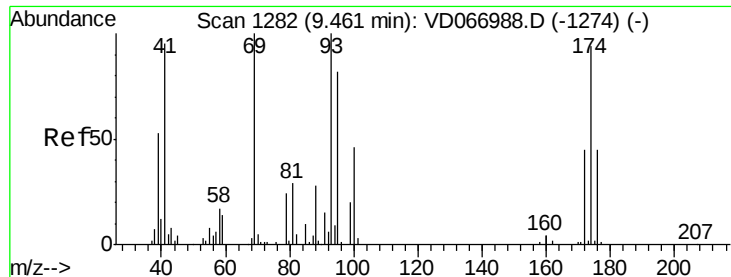
69 98.3 68.5 102.7

39 64.3 40.2 60.2#



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: 942.291 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

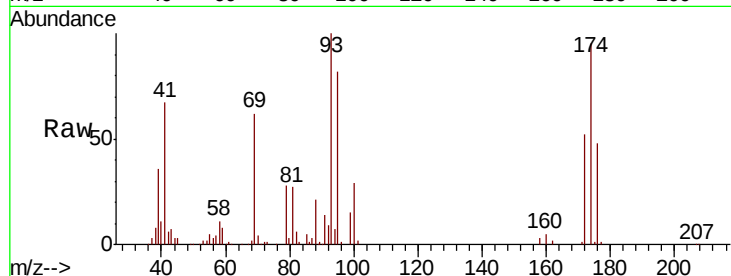
Tot Ion: 88 Resp: 21686

Ion Ratio Lower Upper

88 100

43 28.9 25.6 38.4

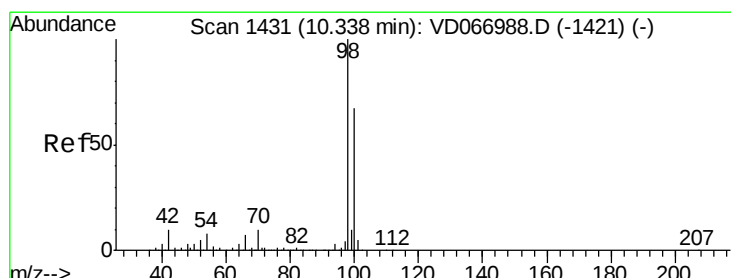
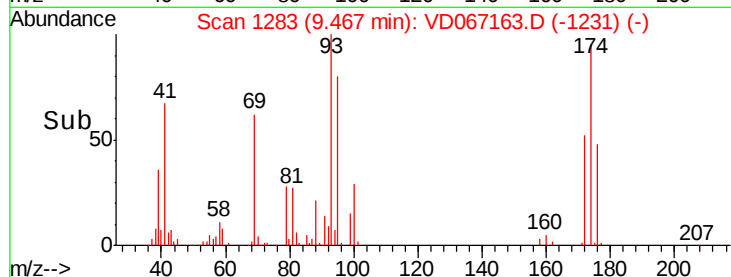
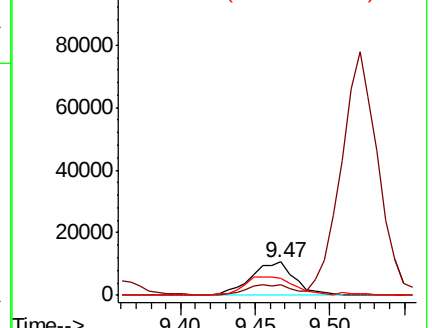
58 63.4 53.5 80.3



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: 48.383 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067163.D

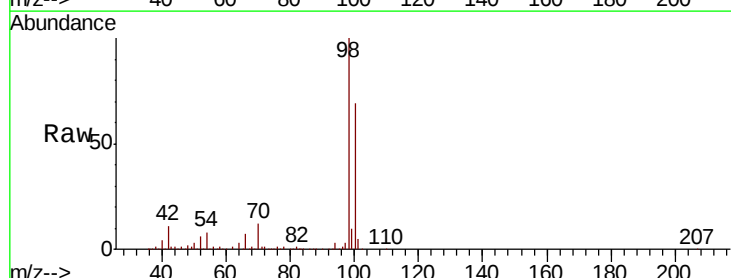
Acq: 07 Oct 2020 20:08

Tgt Ion: 98 Resp: 727964

Ion Ratio Lower Upper

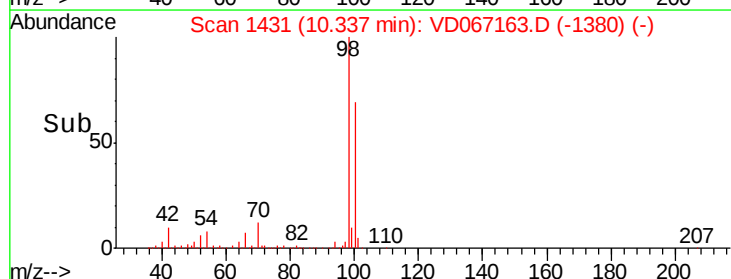
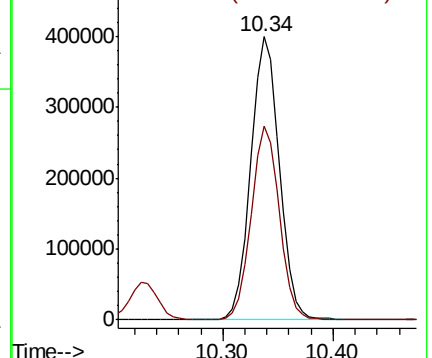
98 100

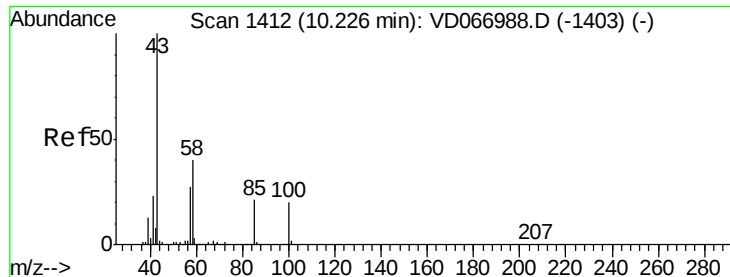
100 67.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 245.959 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

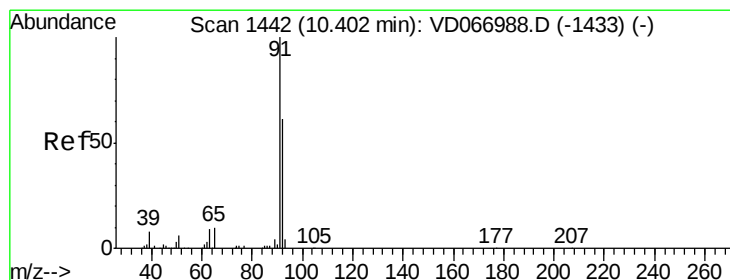
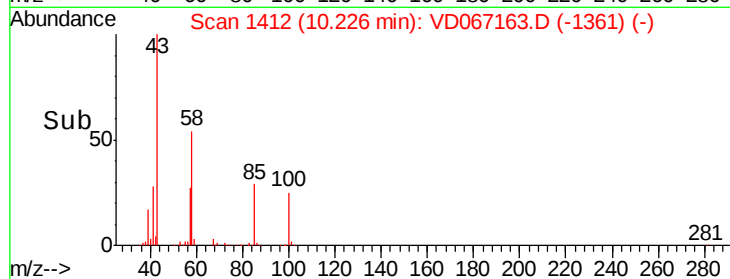
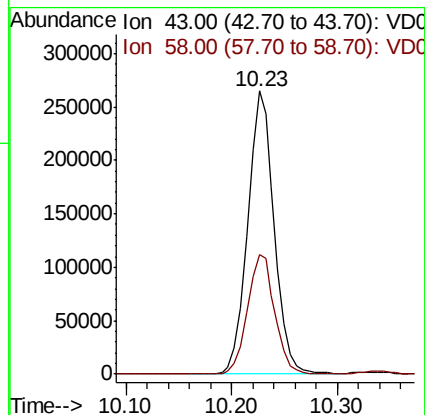
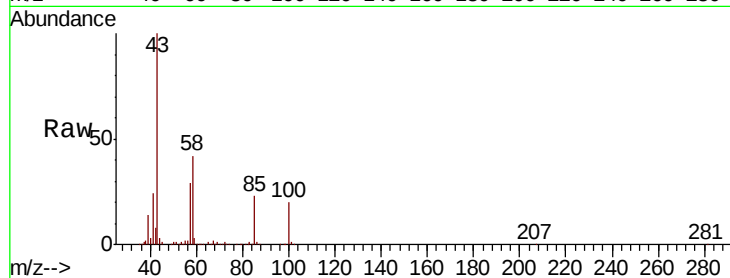
VSTDCCC050EC

Tot Ion: 43 Resp: 459639

Ion Ratio Lower Upper

43 100

58 43.6 33.8 50.8



#52

Toluene

Concen: 51.738 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD067163.D

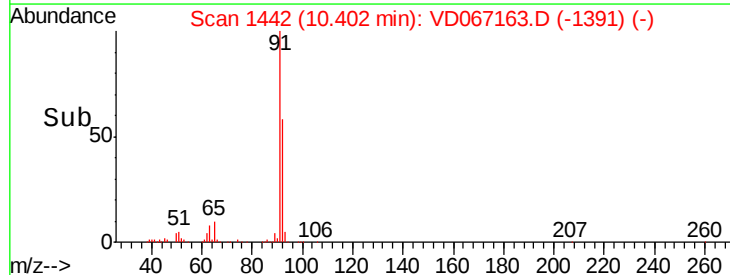
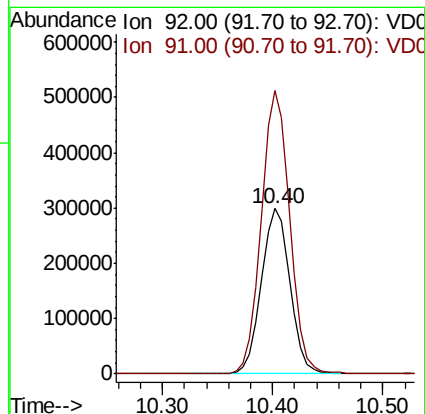
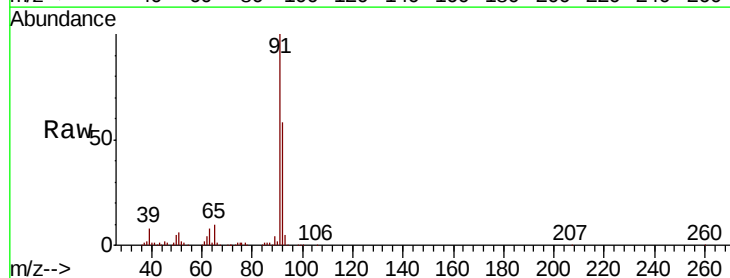
Acq: 07 Oct 2020 20:08

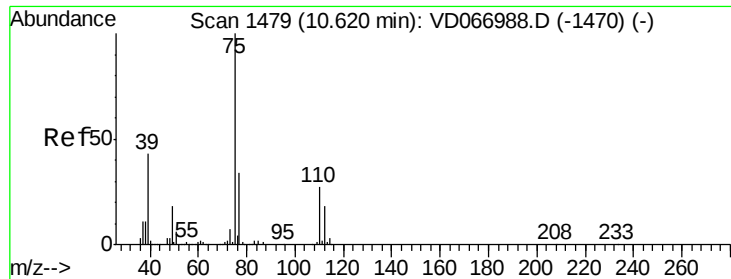
Tgt Ion: 92 Resp: 544207

Ion Ratio Lower Upper

92 100

91 170.2 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 51.683 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

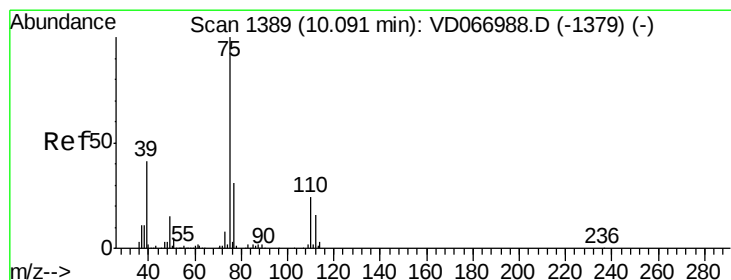
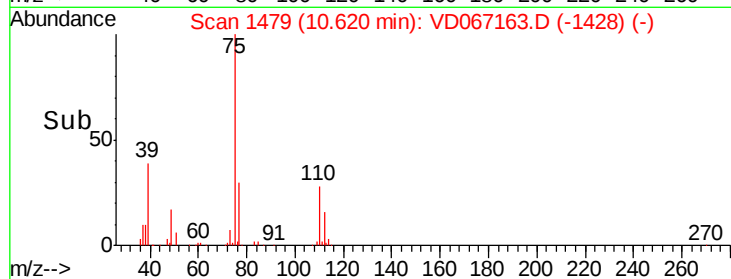
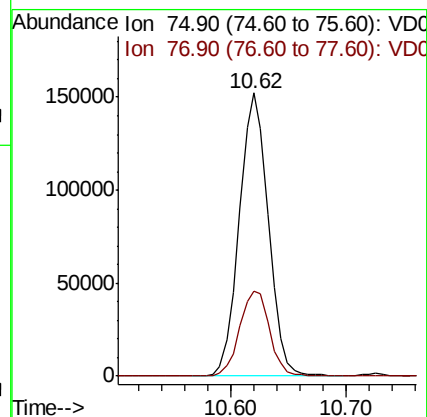
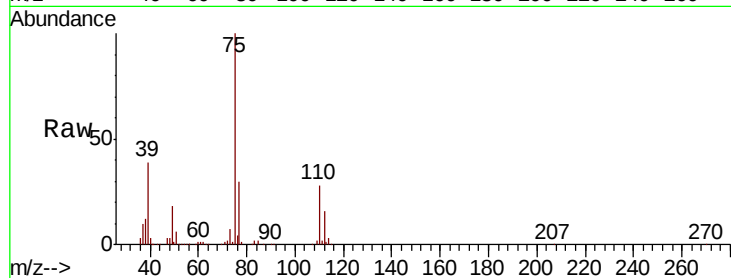
VSTDCCC050EC

Tot Ion: 75 Resp: 264765

Ion Ratio Lower Upper

75 100

77 30.2 27.1 40.7



#54

cis-1,3-Dichloropropene

Concen: 50.808 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

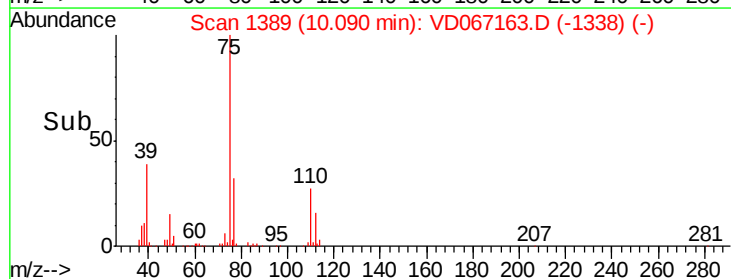
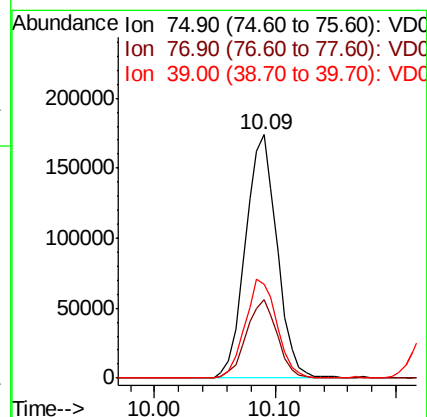
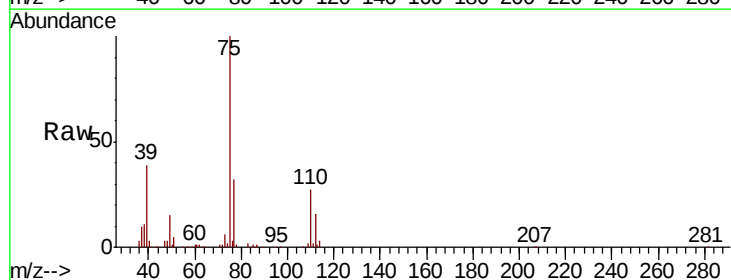
Tgt Ion: 75 Resp: 317836

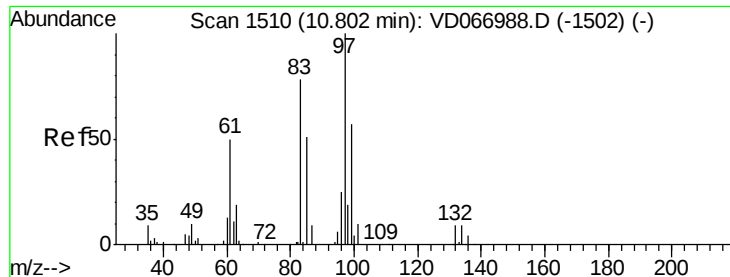
Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0

39 38.4 33.0 49.4

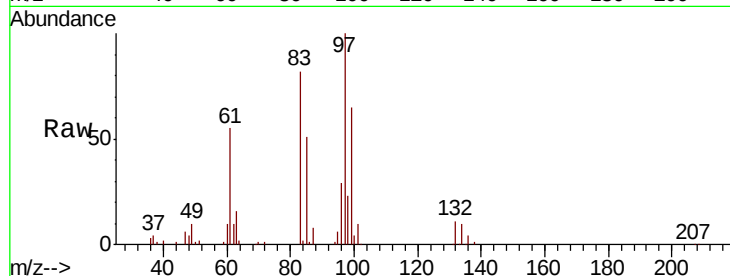




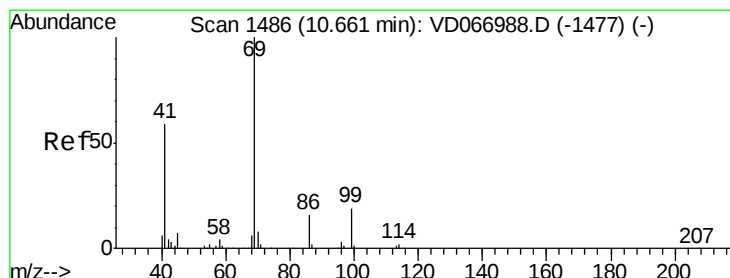
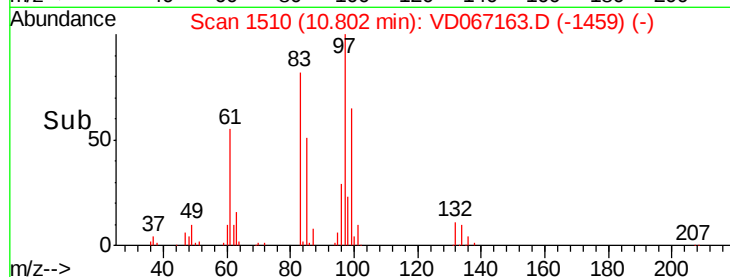
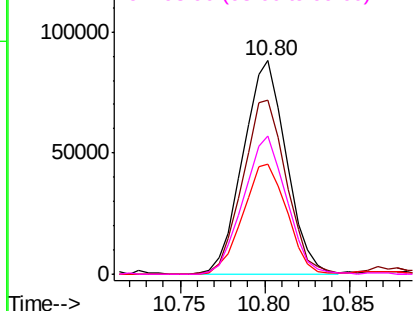
#55
 1,1,2-Trichloroethane
 Concen: 51.434 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	157685
Ion	Ratio	Lower	Upper
97	100		
83	81.2	62.4	93.6
85	51.4	41.0	61.4
99	64.3	45.9	68.9

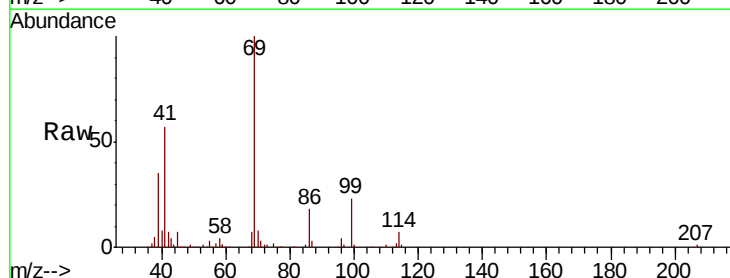


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

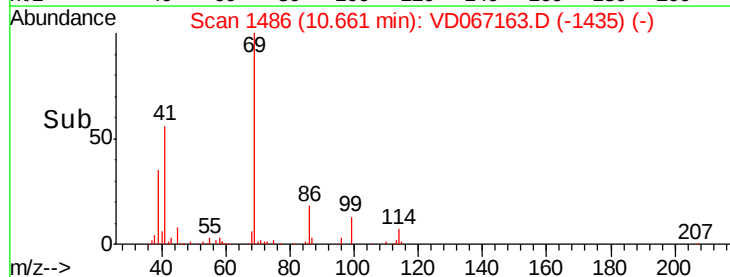
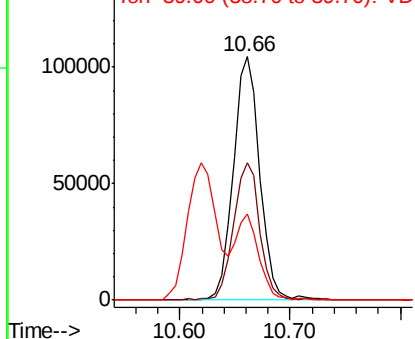


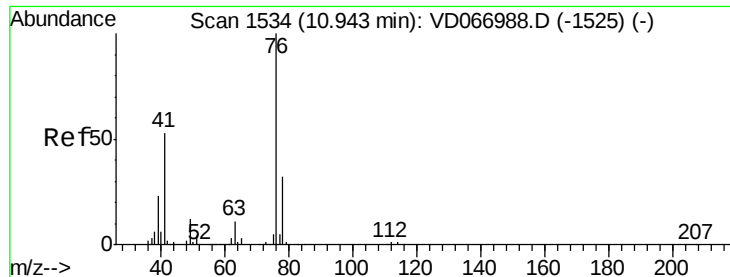
#56
 Ethyl methacrylate
 Concen: 55.584 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

Tgt Ion:	69	Resp:	175935
Ion	Ratio	Lower	Upper
69	100		
41	54.9	46.4	69.6
39	31.4	23.8	35.6



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: 51.099 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

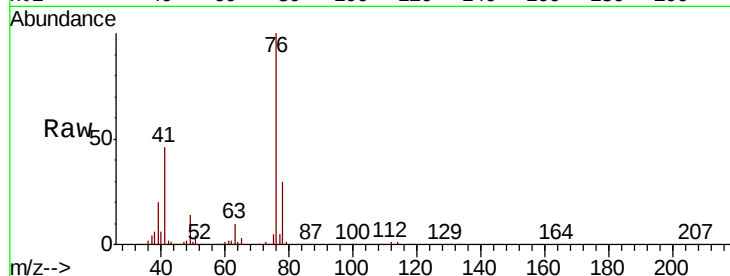
VSTDCCC050EC

Tot Ion: 76 Resp: 254037

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

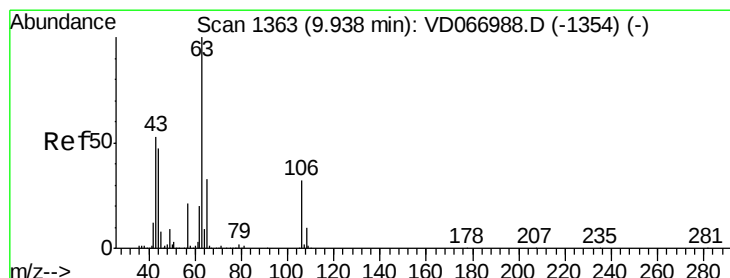
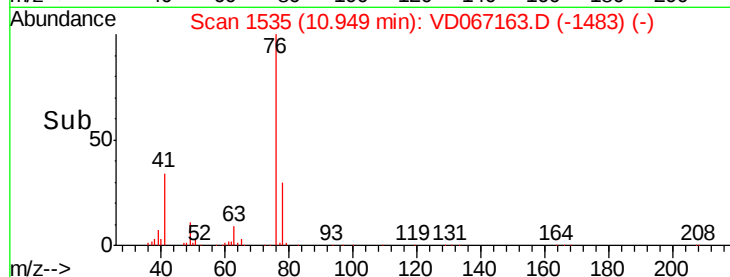
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 255.968 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD067163.D

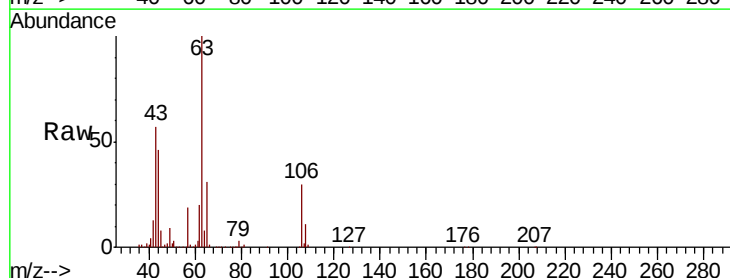
Acq: 07 Oct 2020 20:08

Tgt Ion: 63 Resp: 450937

Ion Ratio Lower Upper

63 100

106 32.8 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

300000

250000

200000

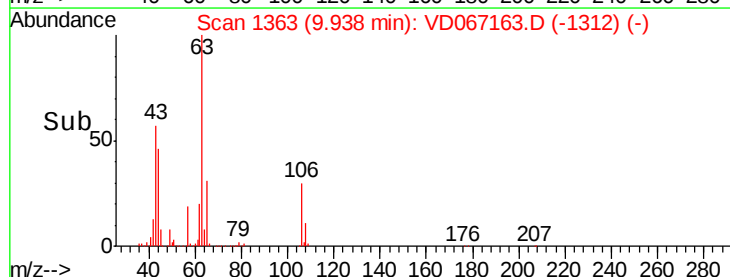
150000

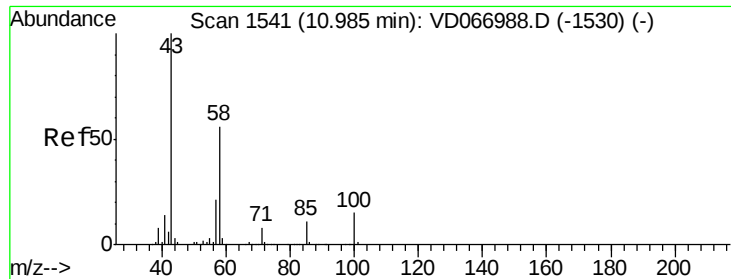
100000

50000

0

Time-->

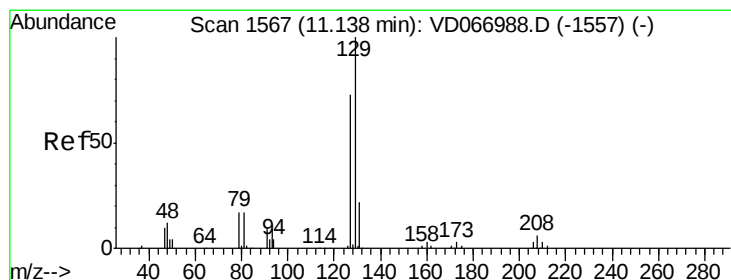
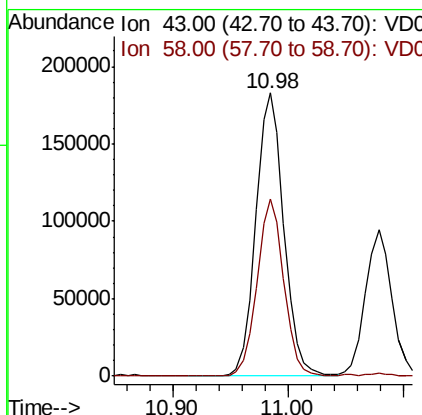
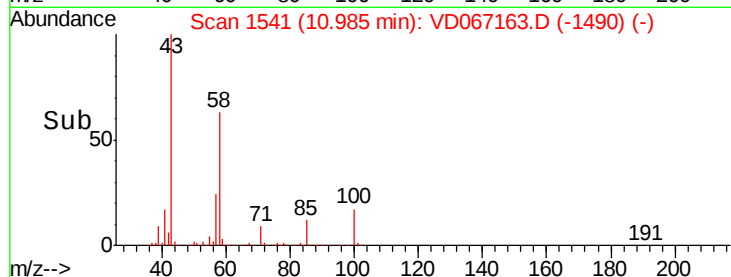
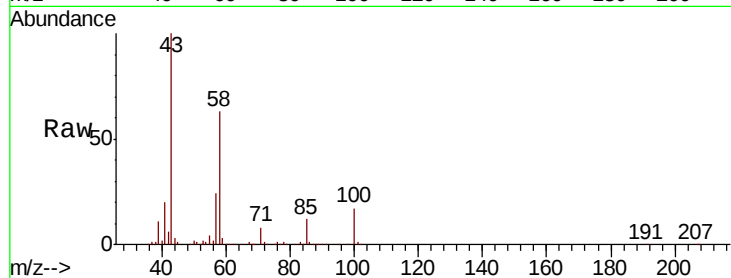




#59
2-Hexanone
Concen: 247.805 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

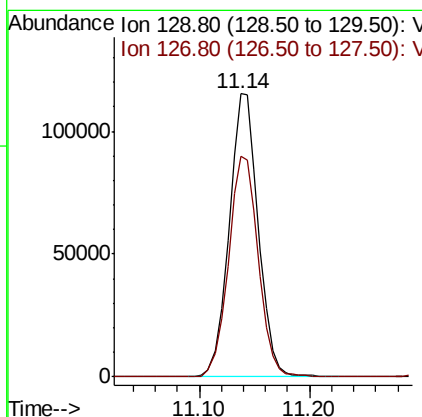
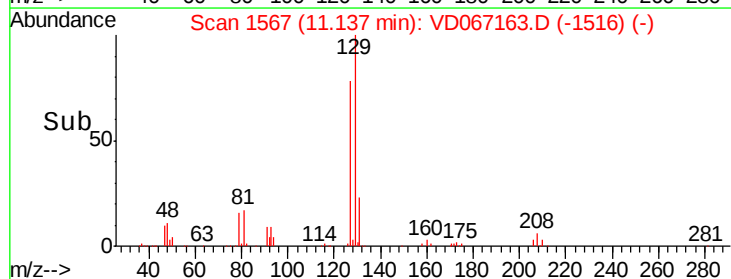
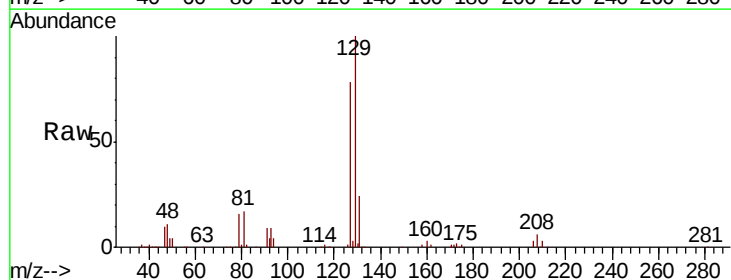
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

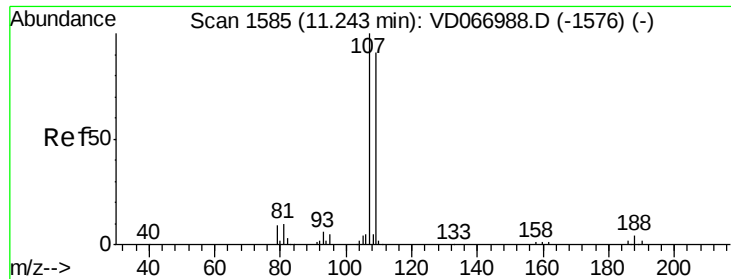
Tot Ion: 43 Resp: 309085
Ion Ratio Lower Upper
43 100
58 59.9 28.3 84.9



#60
Dibromochloromethane
Concen: 51.873 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 129 Resp: 211961
Ion Ratio Lower Upper
129 100
127 79.7 37.4 112.1

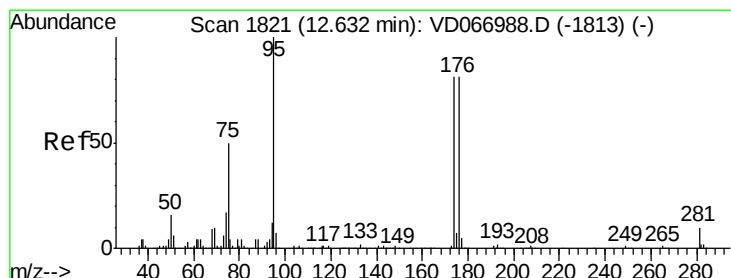
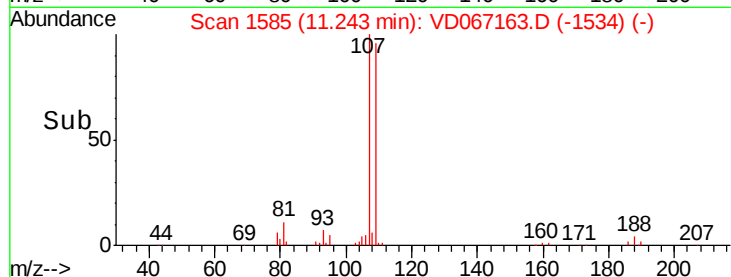
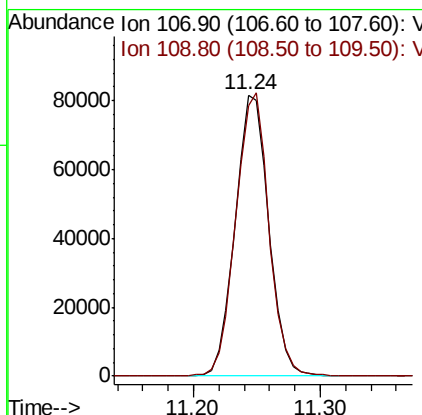
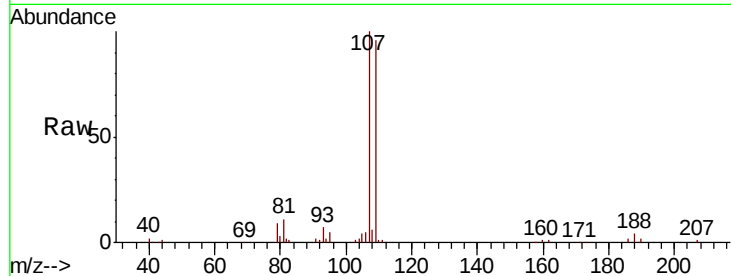




#61
 1,2-Dibromoethane
 Concen: 50.850 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

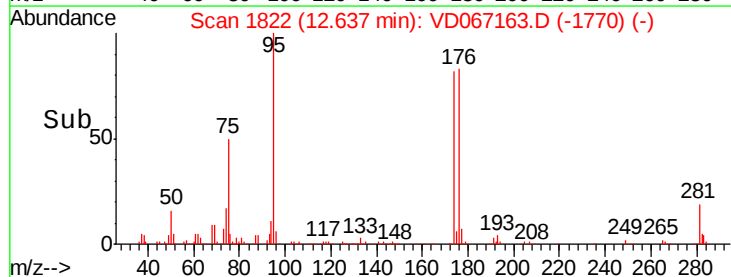
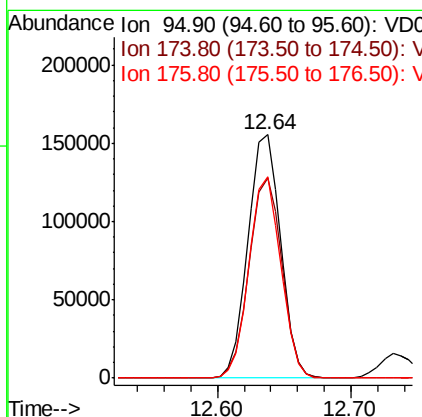
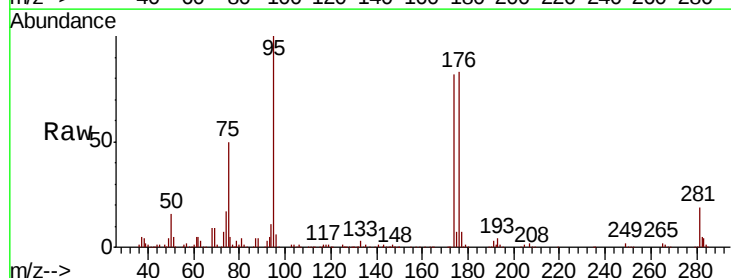
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

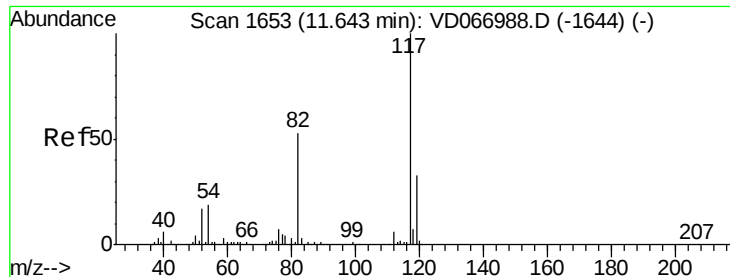
Tot Ion:107 Resp: 149771
 Ion Ratio Lower Upper
 107 100
 109 99.3 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 51.321 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

Tgt Ion: 95 Resp: 262131
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 167.6
 176 80.7 0.0 162.4

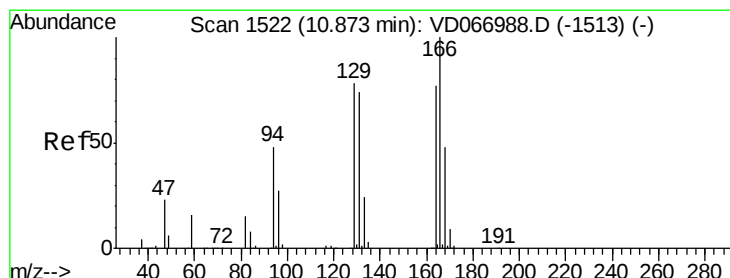
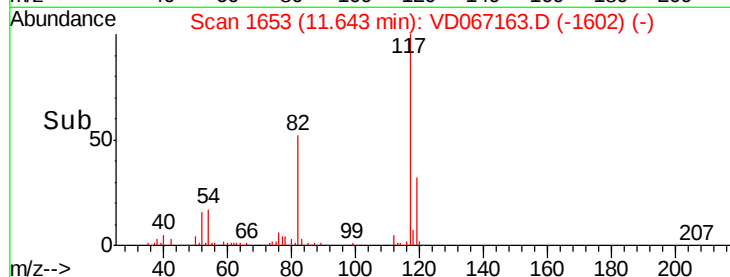
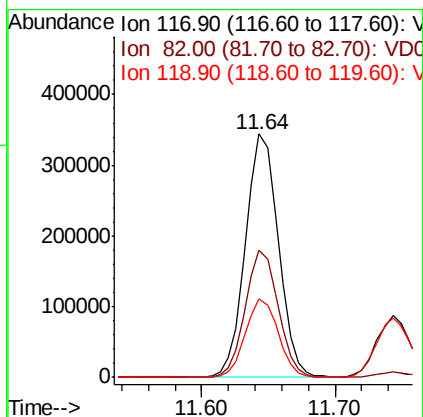
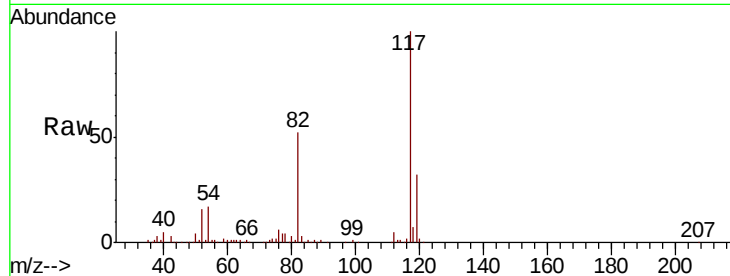




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

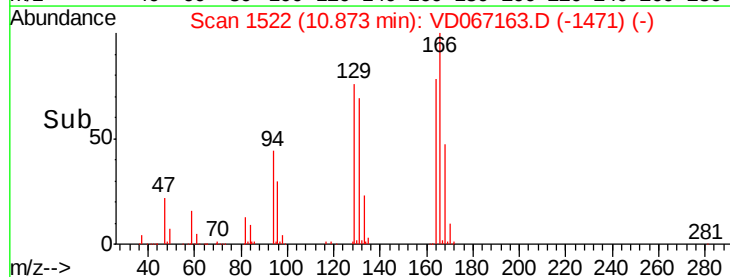
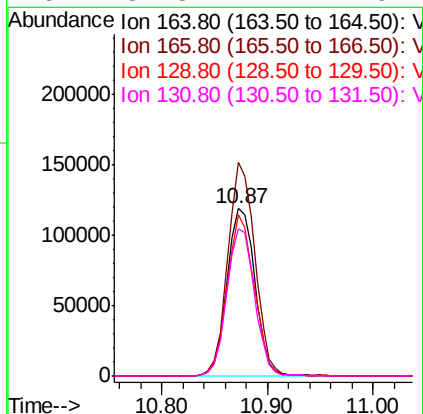
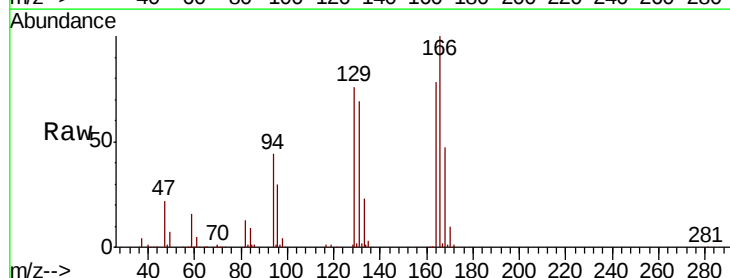
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

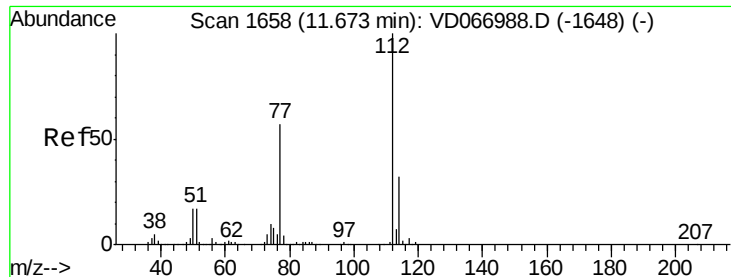
Tot Ion:117 Resp: 586853
Ion Ratio Lower Upper
117 100
82 52.4 42.6 63.8
119 32.2 26.3 39.5



#64
Tetrachloroethene
Concen: 50.855 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion:164 Resp: 216970
Ion Ratio Lower Upper
164 100
166 127.6 104.4 156.6
129 96.7 81.3 121.9
131 87.8 77.1 115.7

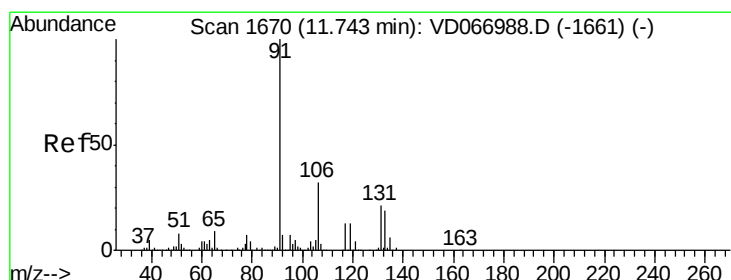
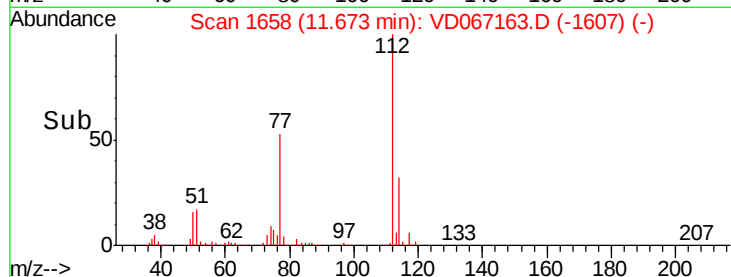
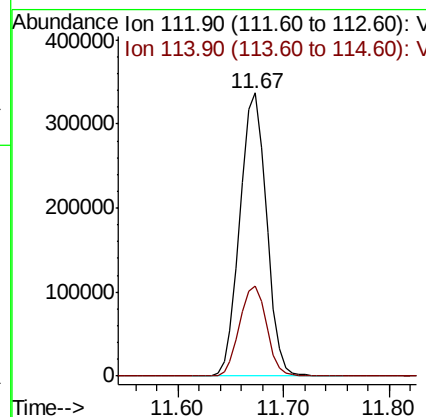
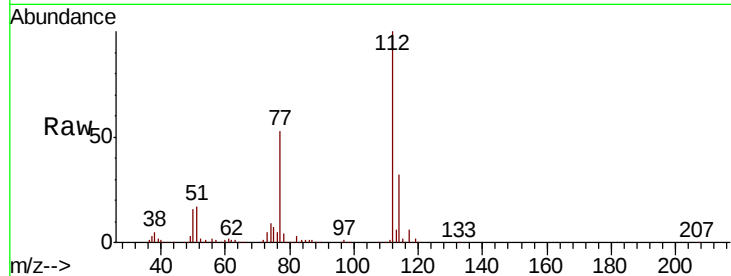




#65
Chlorobenzene
Concen: 50.261 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

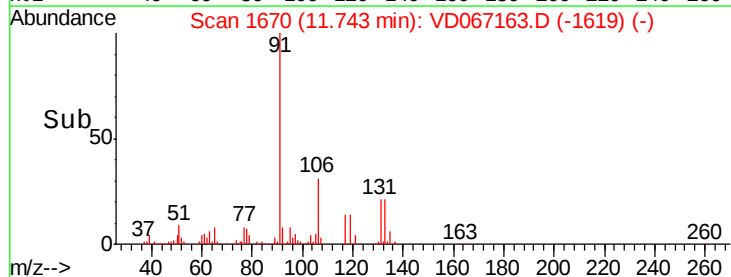
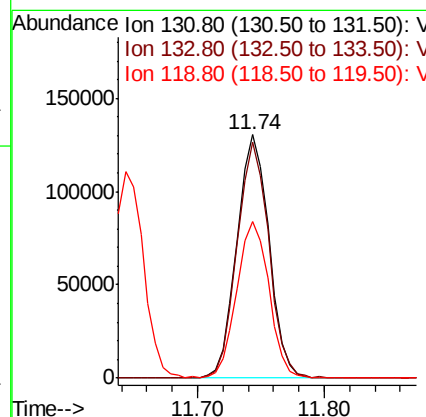
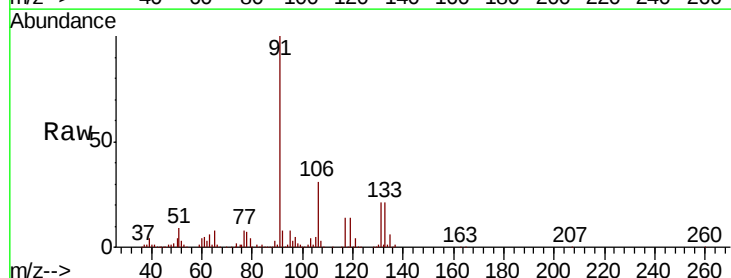
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

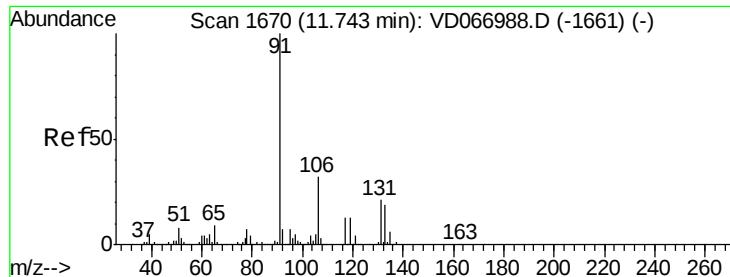
Tot Ion:112 Resp: 586638
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.559 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion:131 Resp: 228911
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 64.8 32.3 96.8





#67

Ethyl Benzene

Concen: 51.069 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

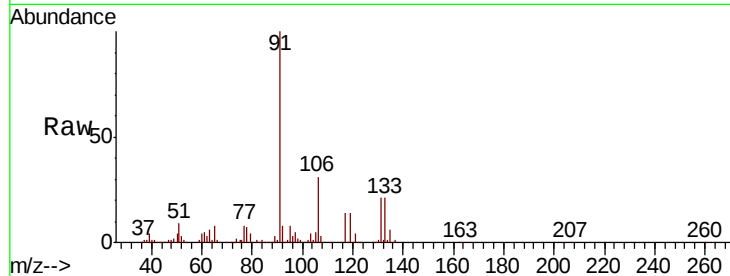
VSTDCCC050EC

Tot Ion: 91 Resp: 1021299

Ion Ratio Lower Upper

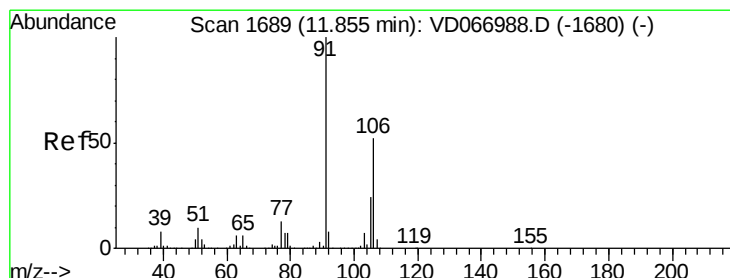
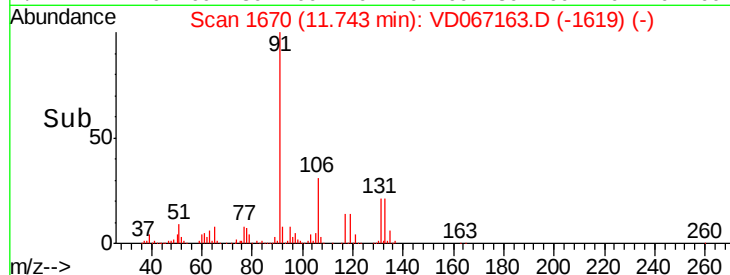
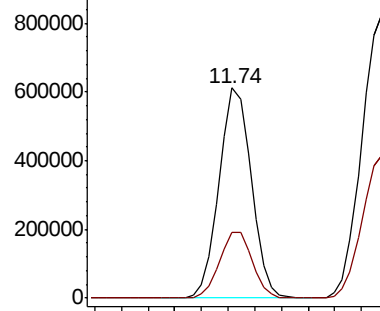
91 100

106 31.5 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.196 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067163.D

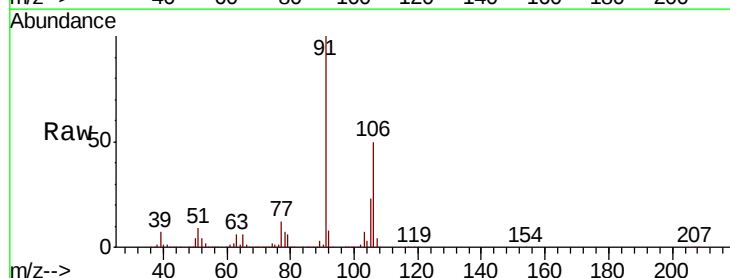
Acq: 07 Oct 2020 20:08

Tgt Ion: 106 Resp: 788691

Ion Ratio Lower Upper

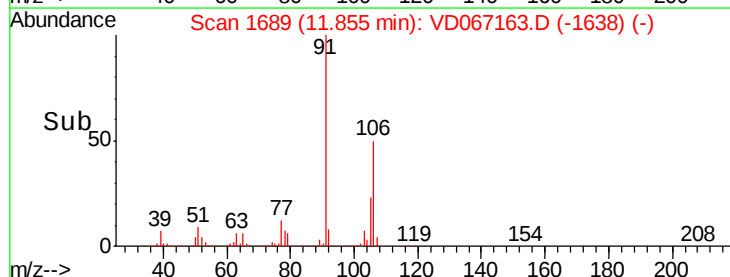
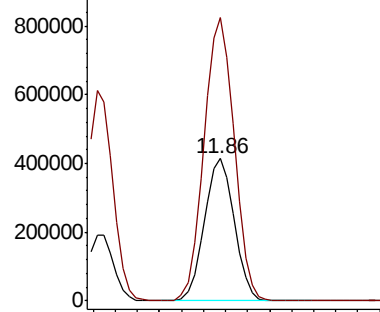
106 100

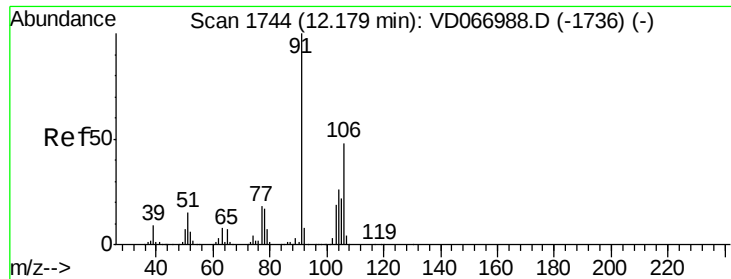
91 200.8 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

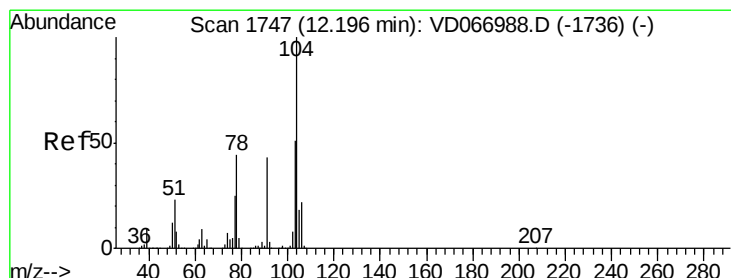
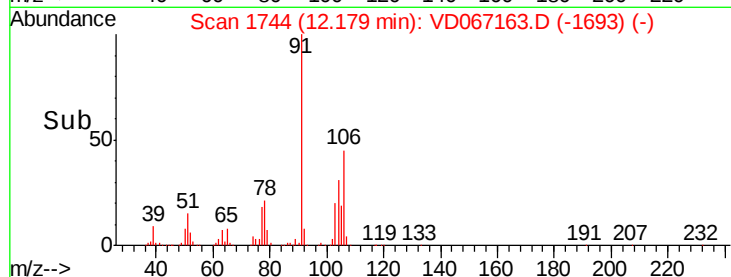
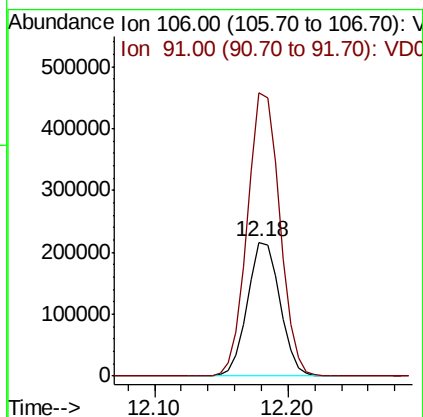
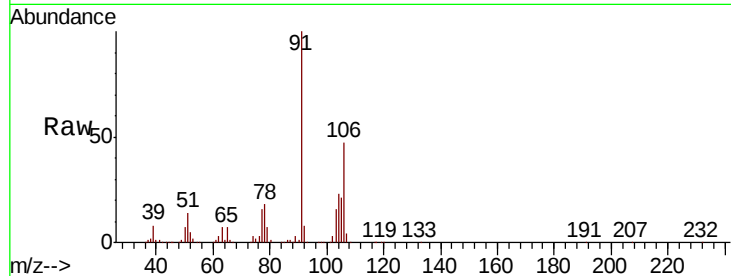




#69
o-Xylene
Concen: 52.164 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

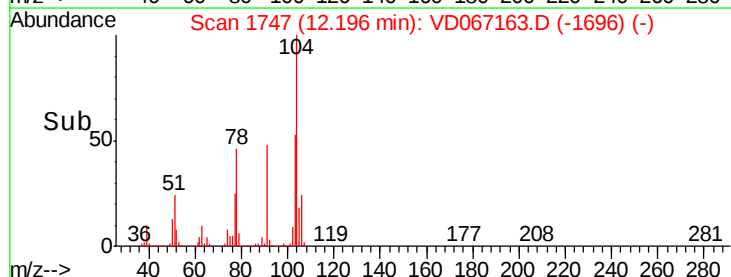
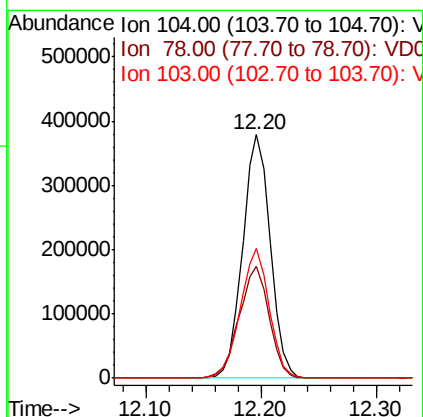
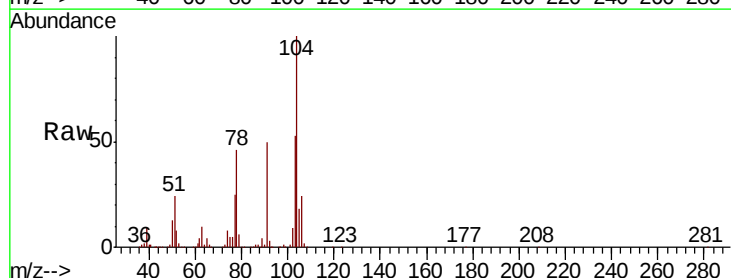
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

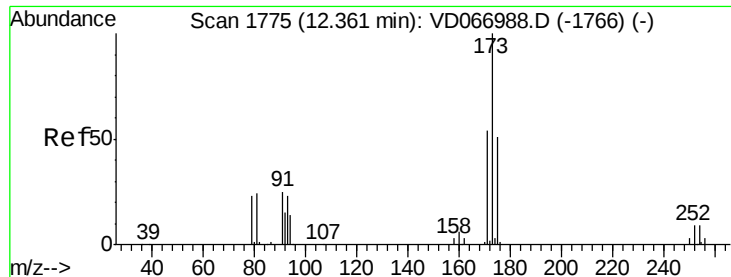
Tot Ion:106 Resp: 363558
Ion Ratio Lower Upper
106 100
91 211.2 102.4 307.2



#70
Styrene
Concen: 52.533 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion:104 Resp: 628698
Ion Ratio Lower Upper
104 100
78 49.7 38.6 58.0
103 55.6 43.4 65.0





#71

Bromoform

Concen: 53.635 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

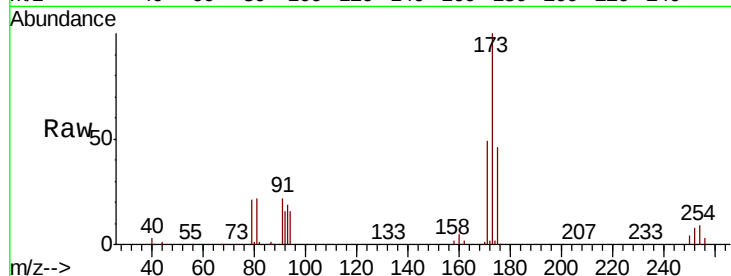
Tot Ion:173 Resp: 123608

Ion Ratio Lower Upper

173 100

175 47.4 24.9 74.7

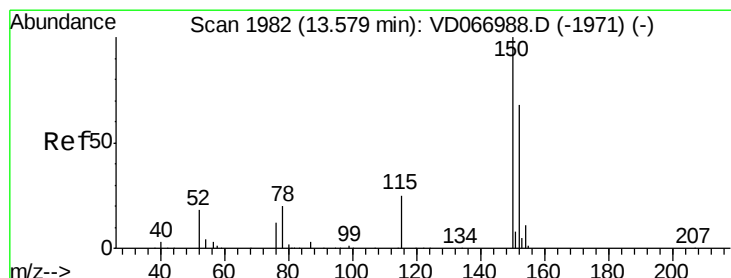
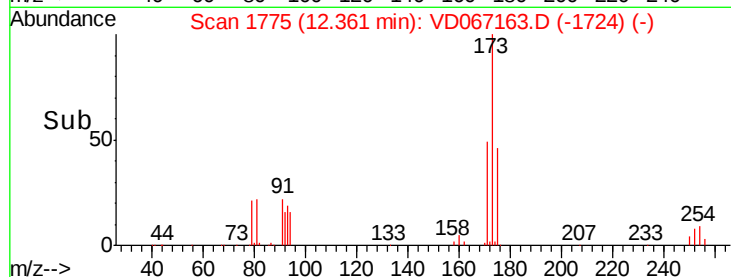
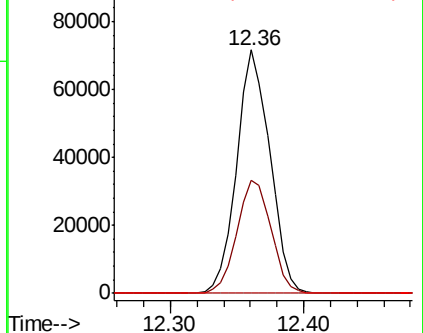
254 0.0 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

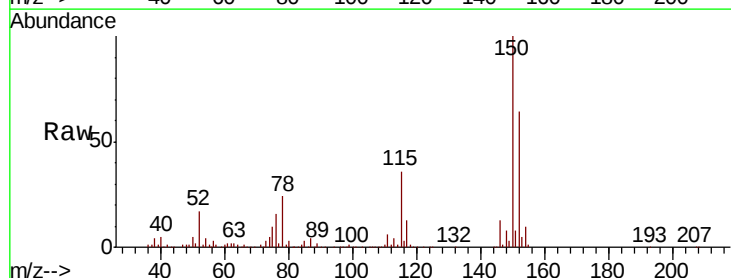
Tgt Ion:152 Resp: 290895

Ion Ratio Lower Upper

152 100

115 57.7 29.6 88.8

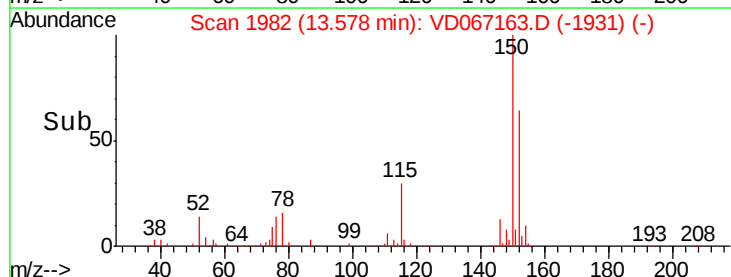
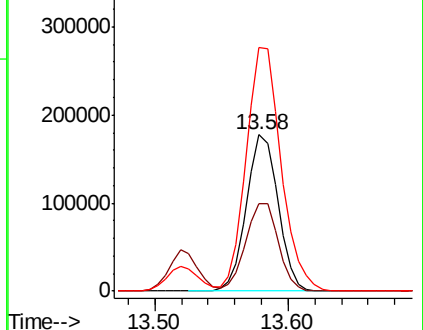
150 171.2 0.0 344.8

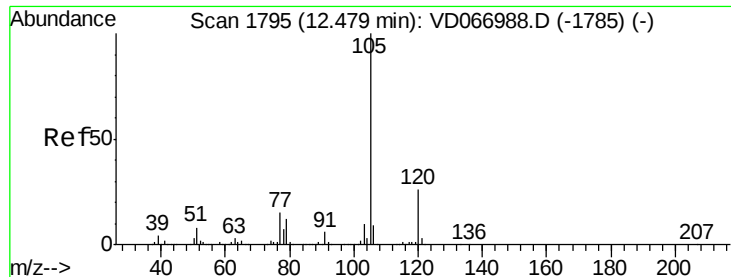


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

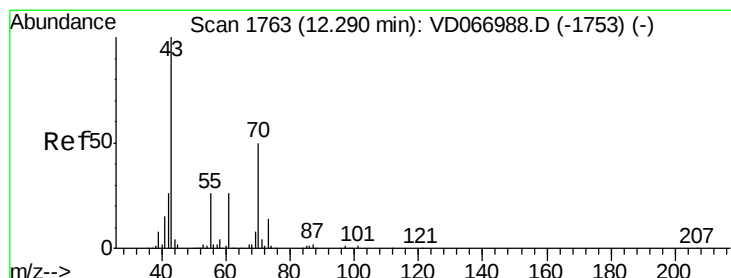
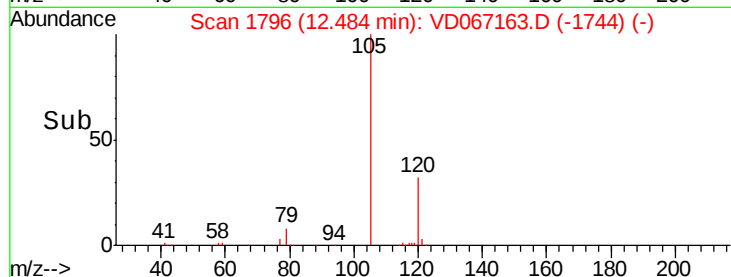
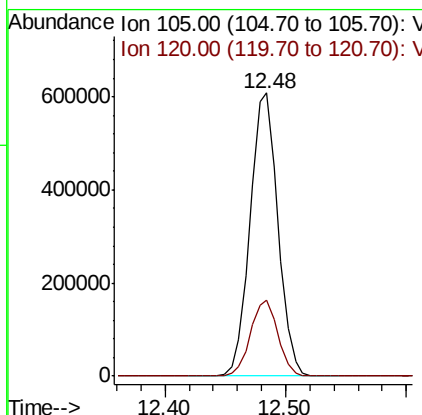
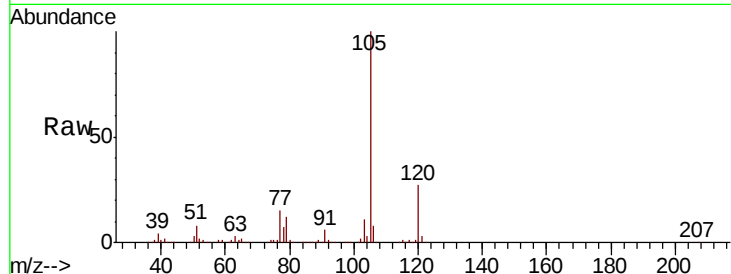




#73
Isopropylbenzene
Concen: 49.407 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

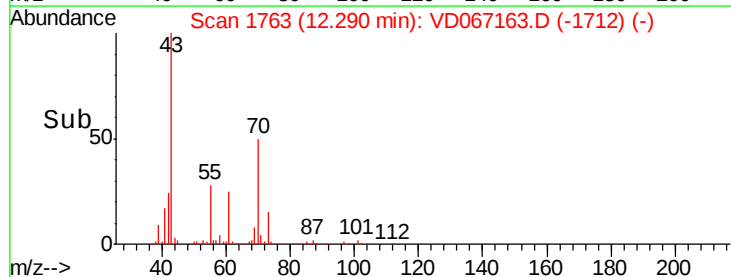
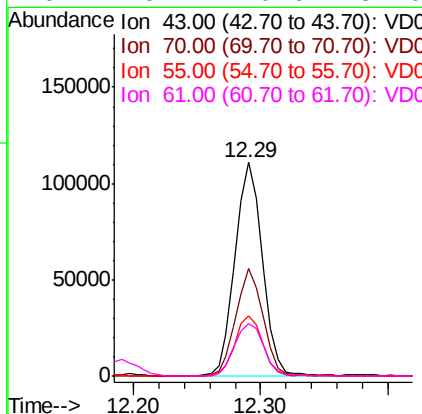
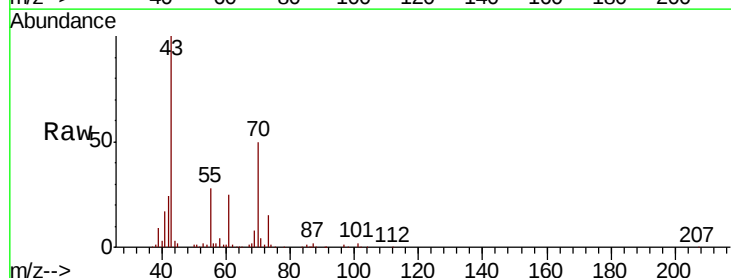
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

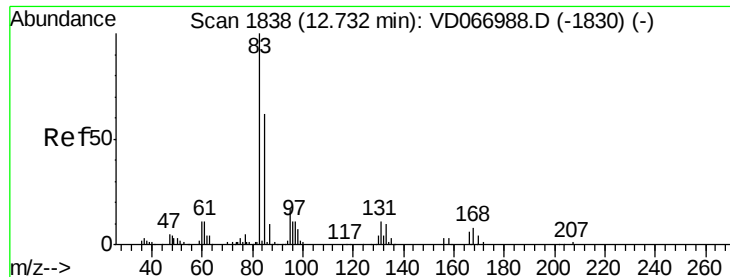
Tot Ion:105 Resp: 975892
Ion Ratio Lower Upper
105 100
120 26.4 13.3 39.9



#74
N-ethyl acetate
Concen: 46.900 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 43 Resp: 166532
Ion Ratio Lower Upper
43 100
70 49.8 38.2 57.2
55 28.5 22.4 33.6
61 26.1 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.023 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

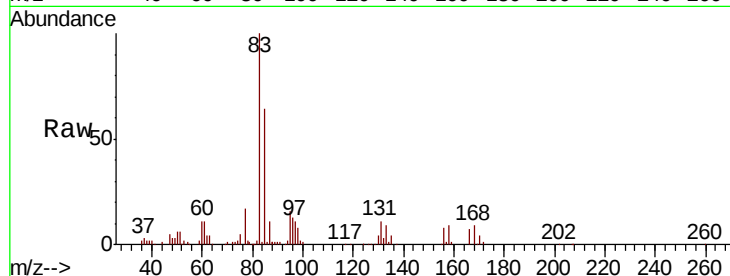
Tot Ion: 83 Resp: 159818

Ion Ratio Lower Upper

83 100

131 11.8 5.7 17.0

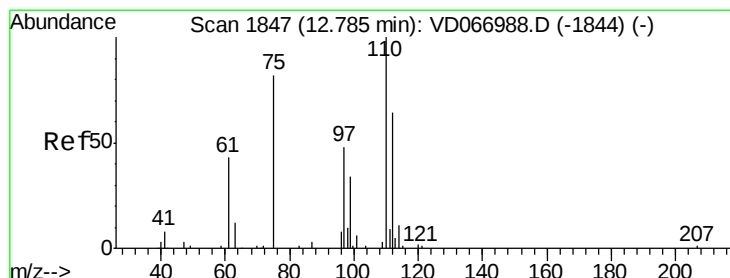
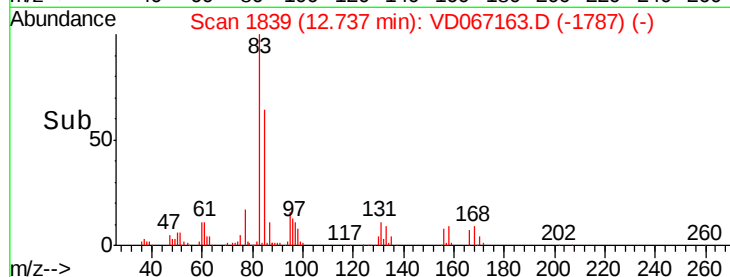
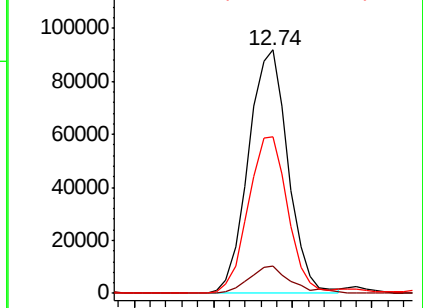
85 64.4 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 80.357 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067163.D

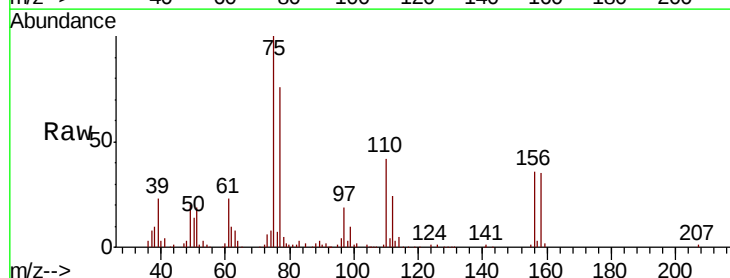
Acq: 07 Oct 2020 20:08

Tgt Ion: 75 Resp: 203609

Ion Ratio Lower Upper

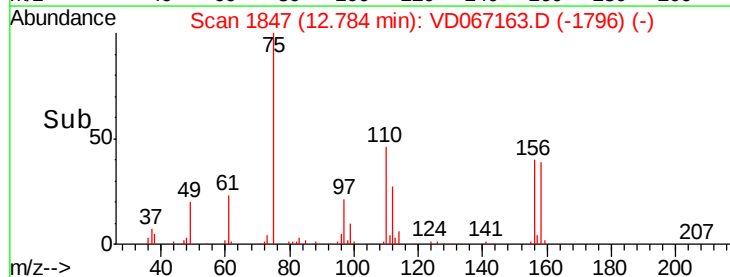
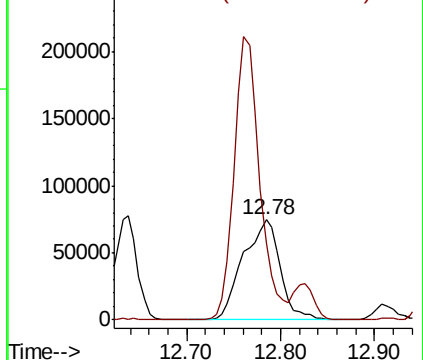
75 100

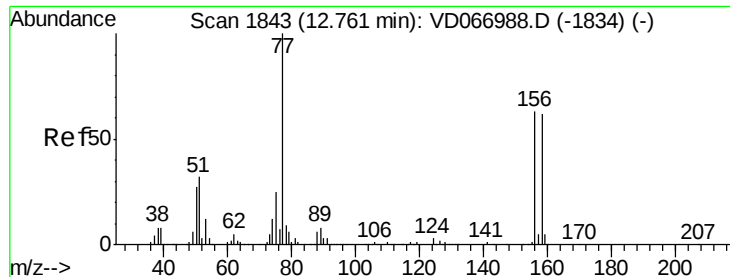
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.618 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

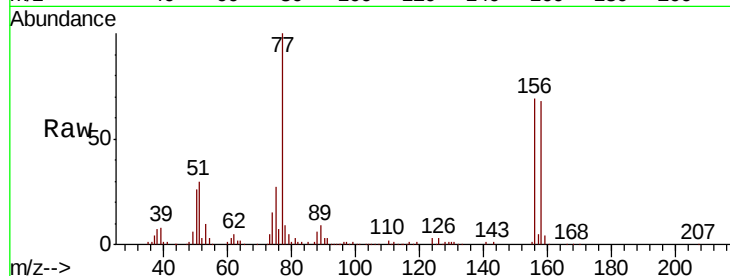
Tot Ion:156 Resp: 246188

Ion Ratio Lower Upper

156 100

77 163.3 86.3 258.8

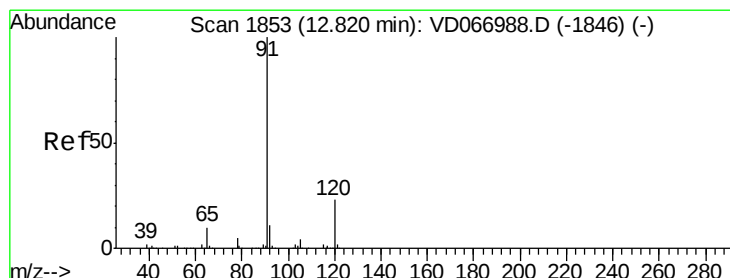
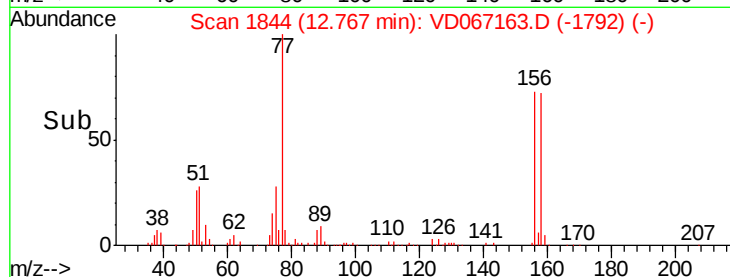
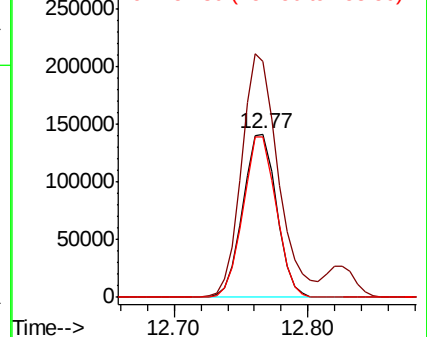
158 97.1 49.5 148.3



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: 48.607 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067163.D

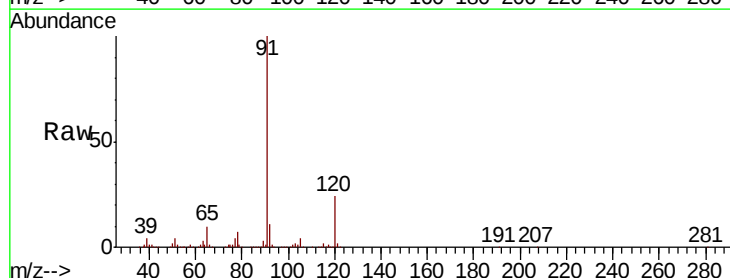
Acq: 07 Oct 2020 20:08

Tgt Ion: 91 Resp: 1134664

Ion Ratio Lower Upper

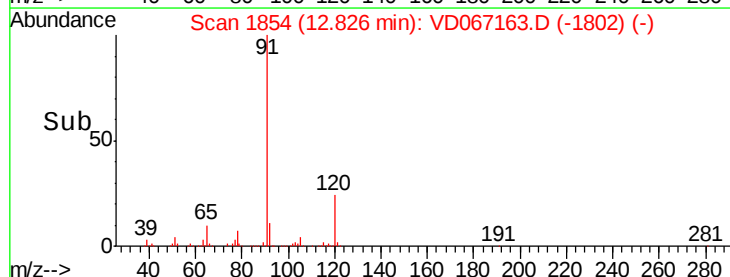
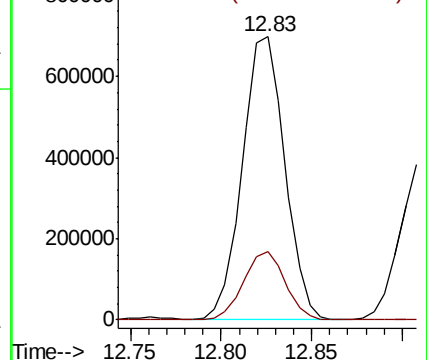
91 100

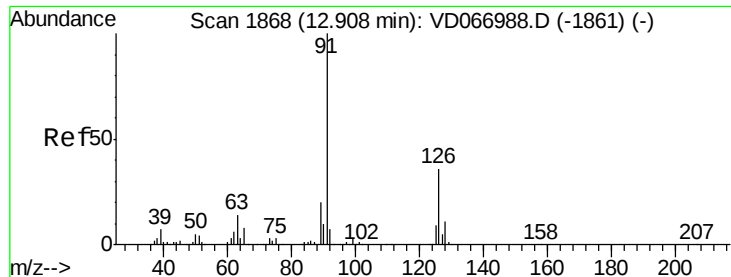
120 23.7 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.408 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

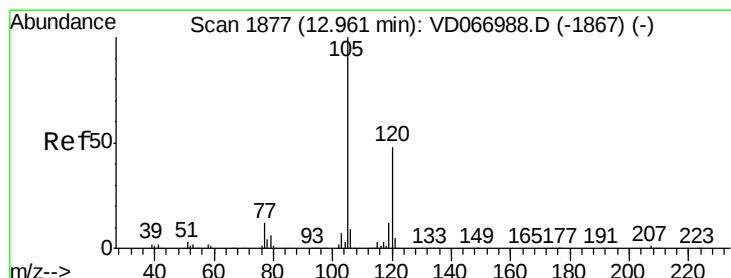
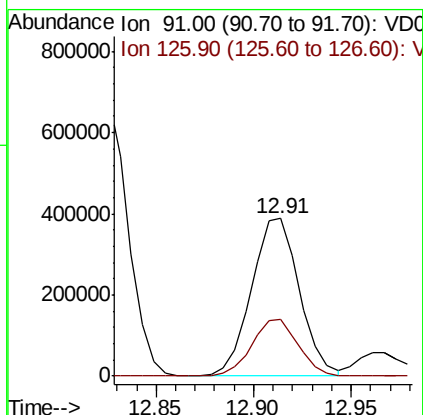
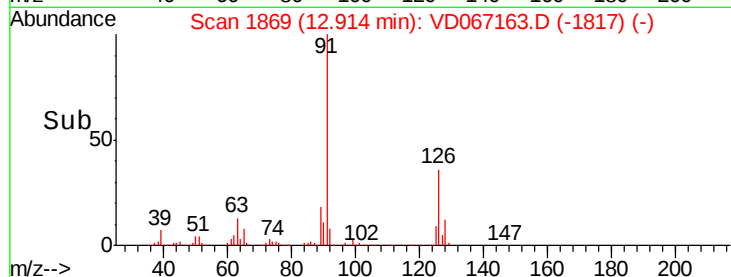
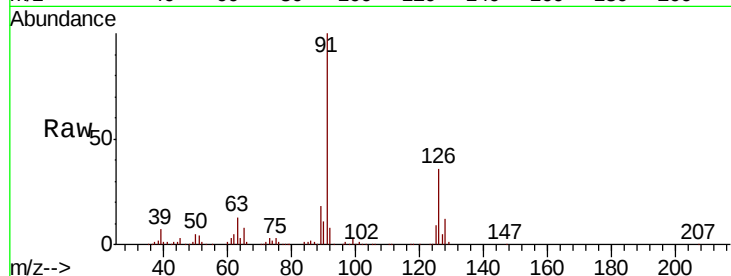
VSTDCCC050EC

Tot Ion: 91 Resp: 659892

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 50.944 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067163.D

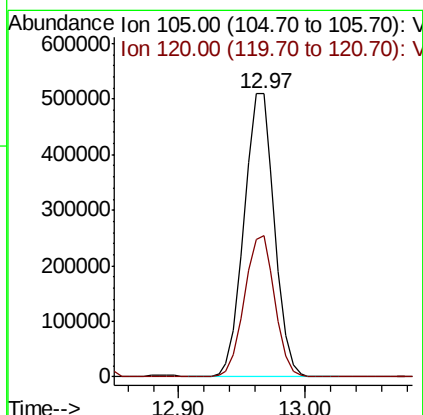
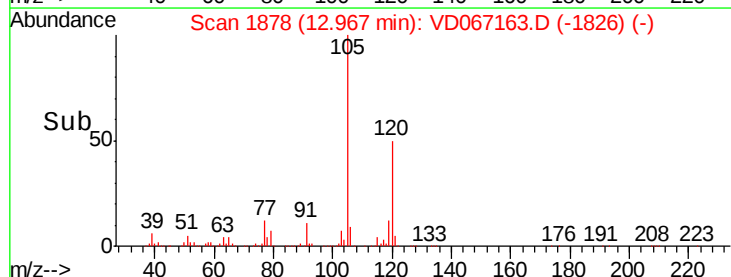
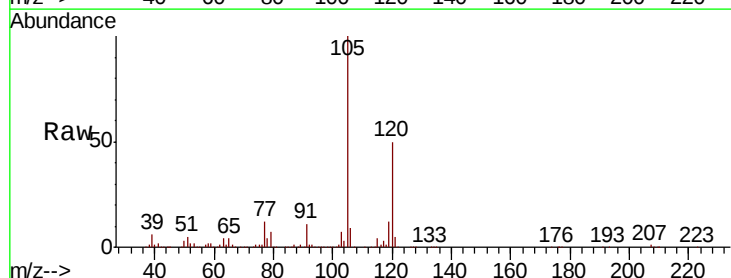
Acq: 07 Oct 2020 20:08

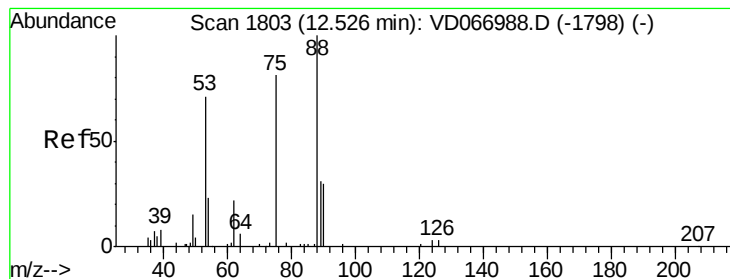
Tgt Ion: 105 Resp: 850162

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.145 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

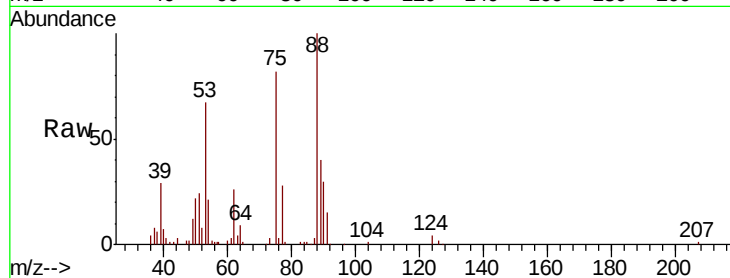
Tot Ion: 75 Resp: 48930

Ion Ratio Lower Upper

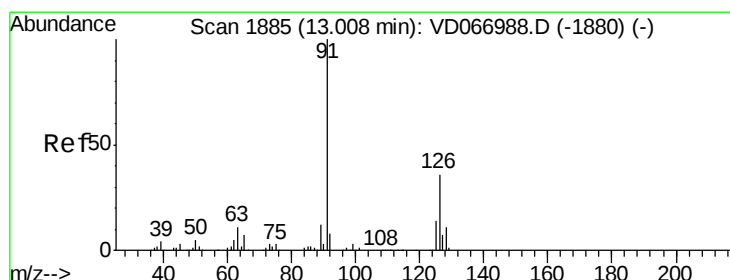
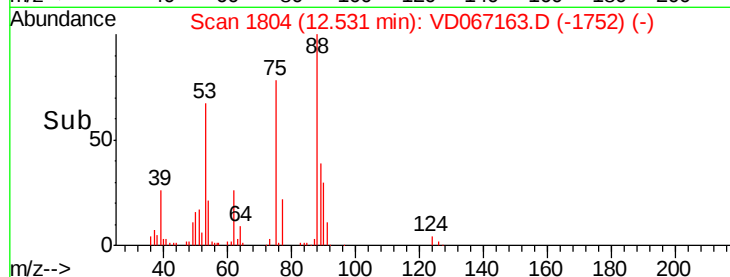
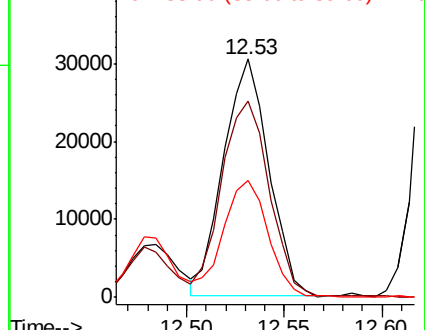
75 100

53 86.6 73.8 110.6

89 49.5 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.428 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067163.D

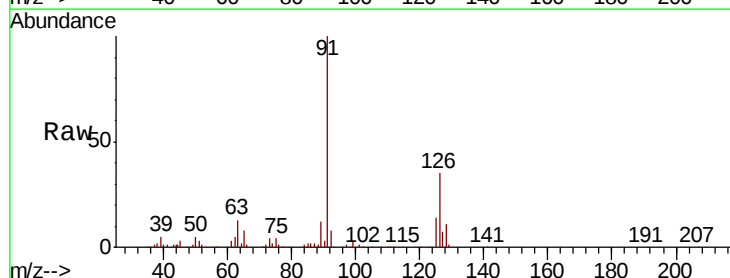
Acq: 07 Oct 2020 20:08

Tgt Ion: 91 Resp: 702380

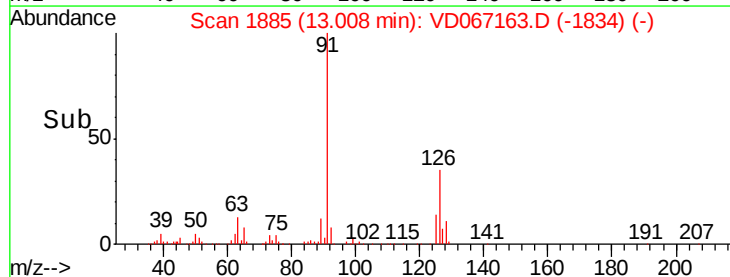
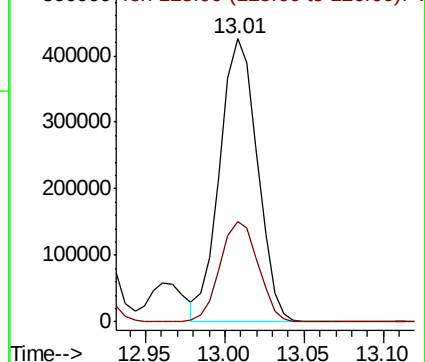
Ion Ratio Lower Upper

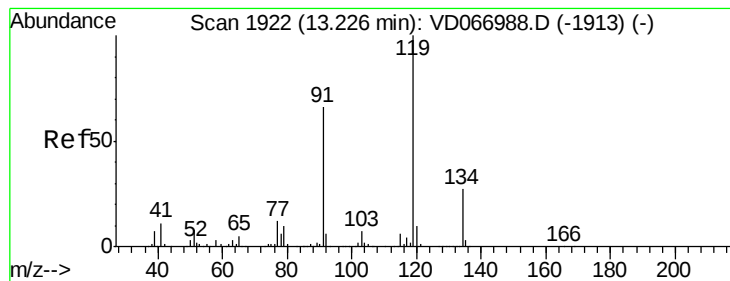
91 100

126 36.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.532 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

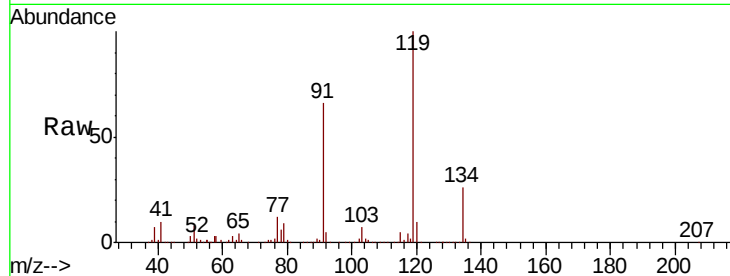
Tot Ion:119 Resp: 724183

Ion Ratio Lower Upper

119 100

91 63.4 32.8 98.3

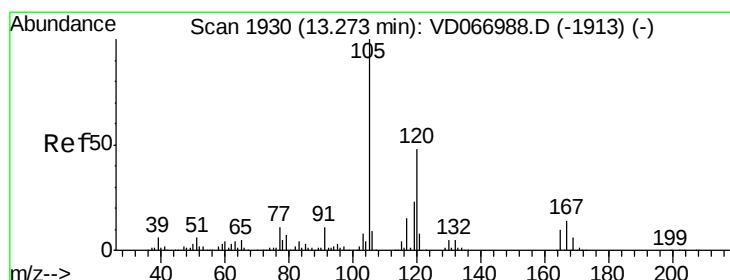
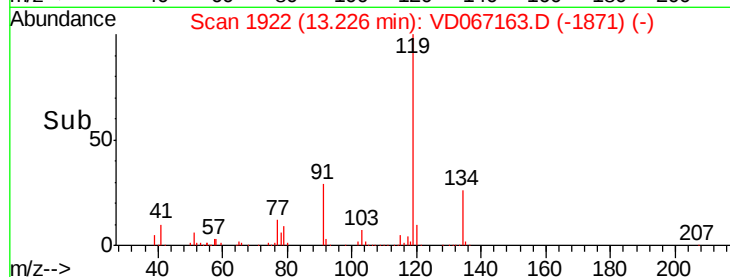
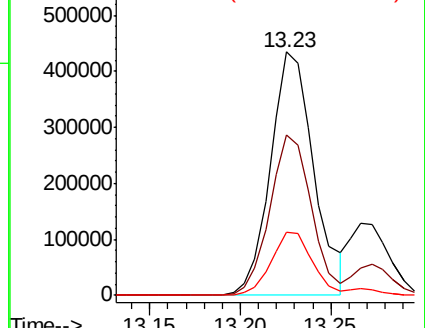
134 25.1 13.9 41.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.707 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD067163.D

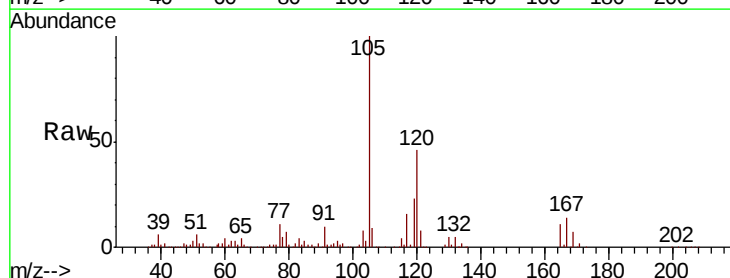
Acq: 07 Oct 2020 20:08

Tgt Ion:105 Resp: 861144

Ion Ratio Lower Upper

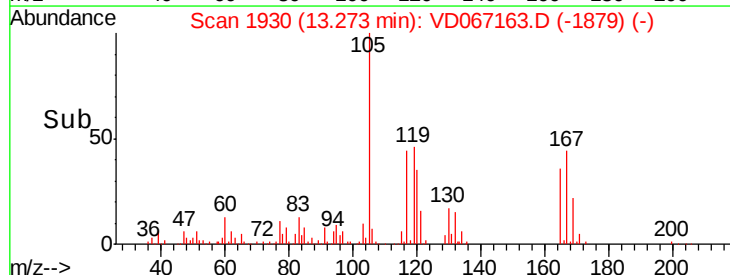
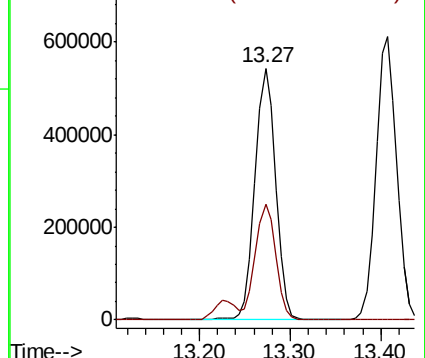
105 100

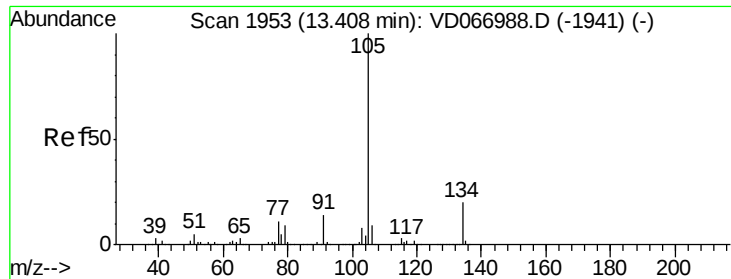
120 45.6 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

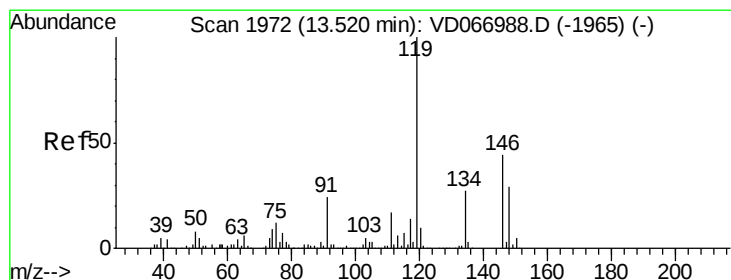
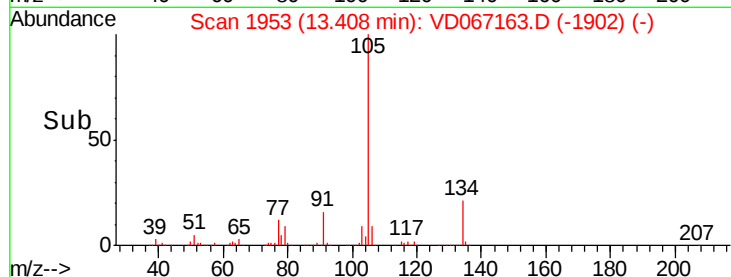
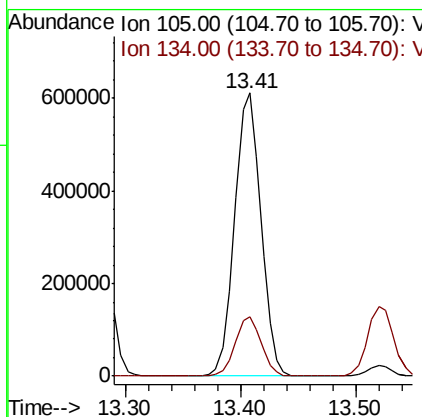
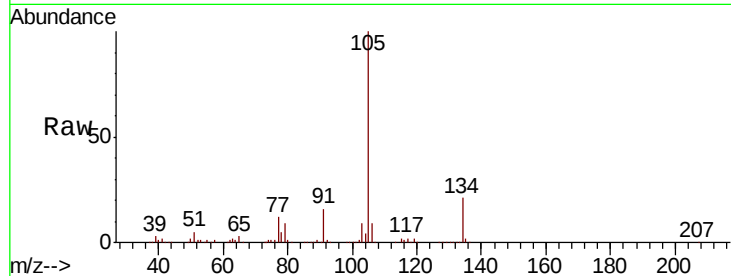




#85
 sec-Butylbenzene
 Concen: 48.695 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

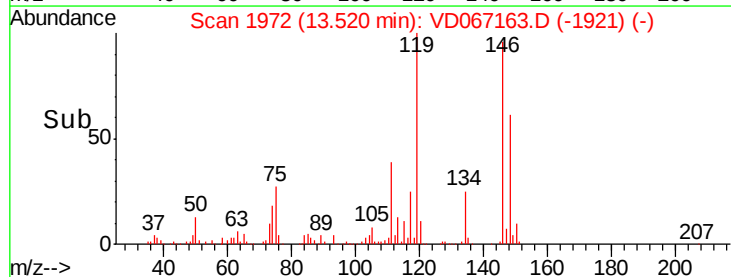
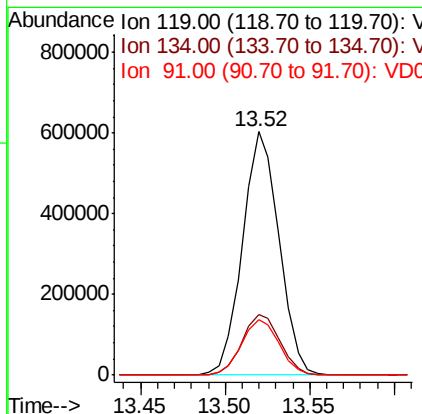
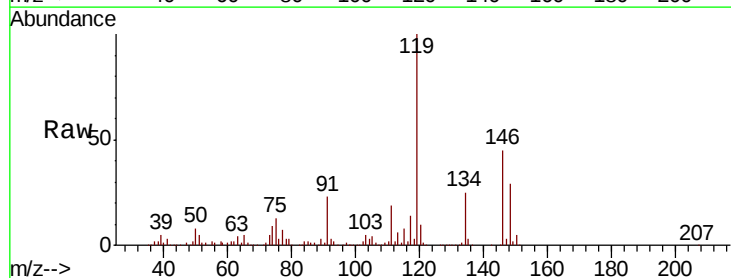
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

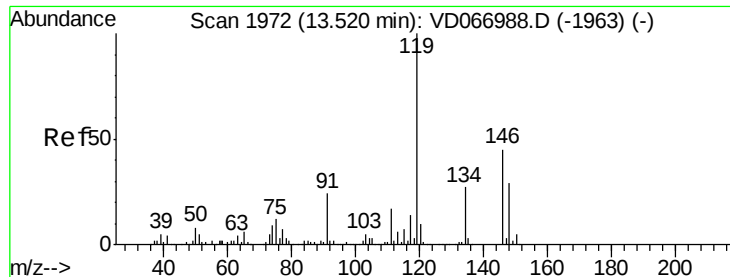
Tot Ion:105 Resp: 963686
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 49.364 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

Tgt Ion:119 Resp: 905723
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 23.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 49.034 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

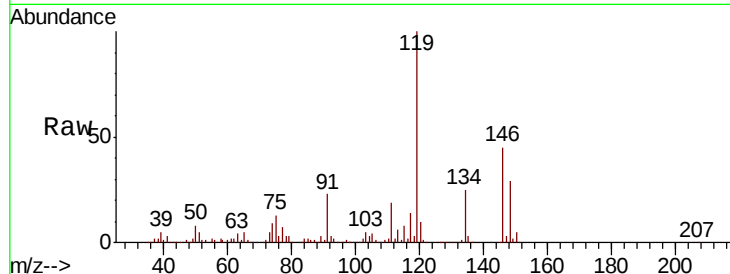
Tot Ion:146 Resp: 455527

Ion Ratio Lower Upper

146 100

111 39.7 20.0 60.0

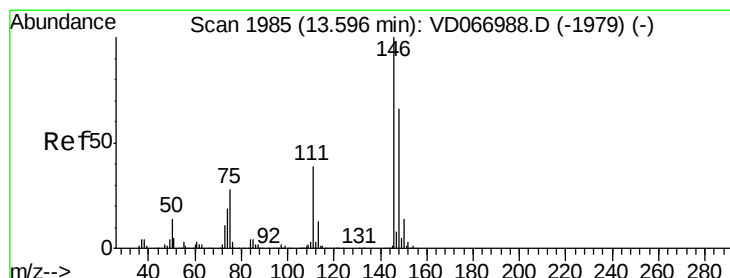
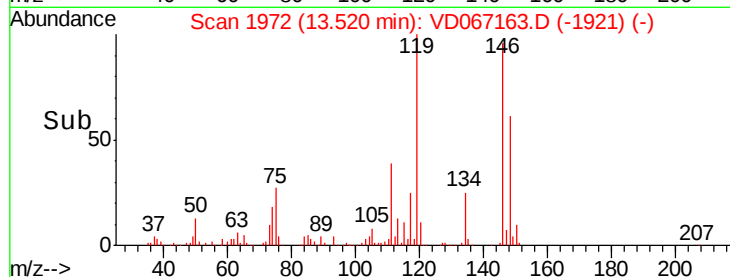
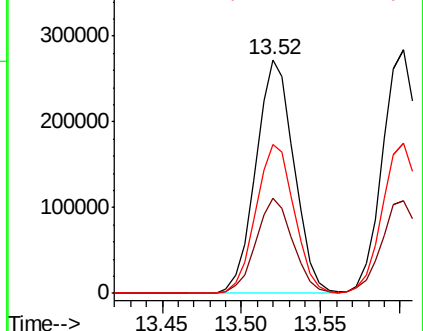
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.518 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

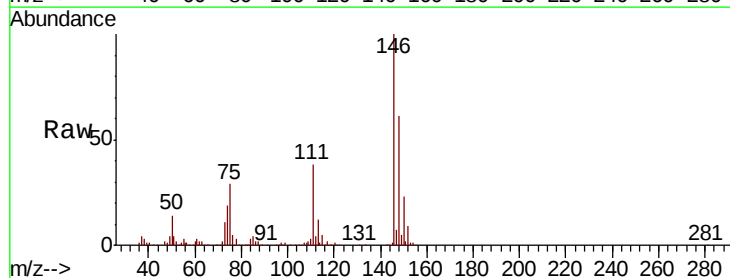
Tgt Ion:146 Resp: 459972

Ion Ratio Lower Upper

146 100

111 39.1 19.6 58.7

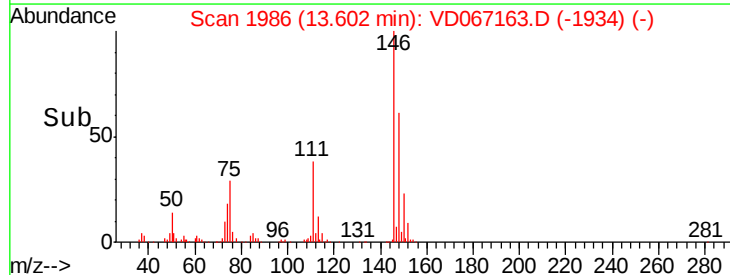
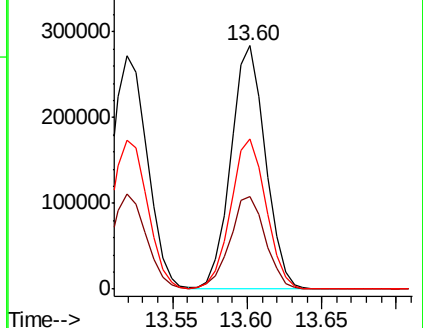
148 63.0 32.6 97.7

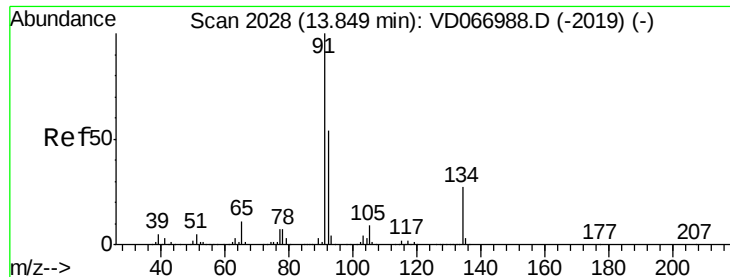


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

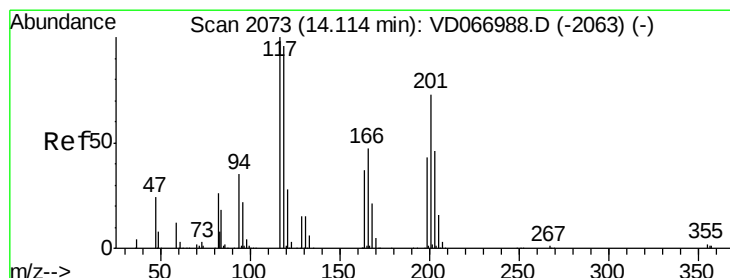
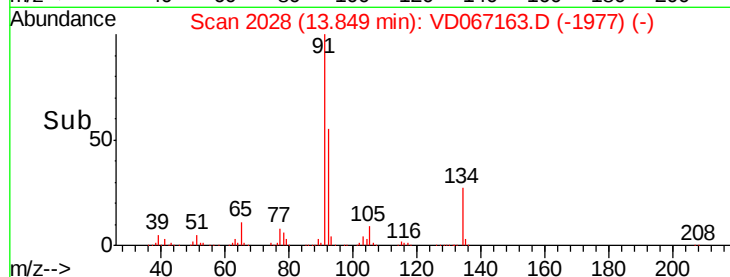
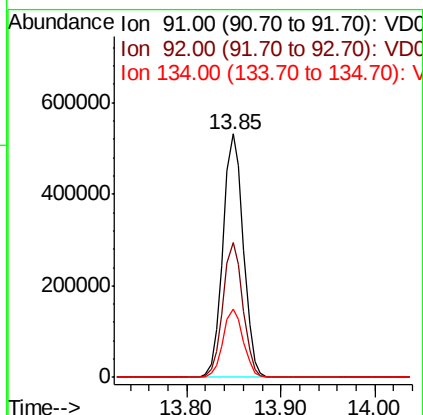
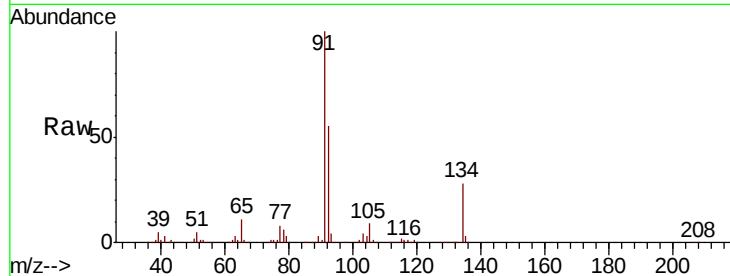




#89
n-Butylbenzene
Concen: 47.909 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

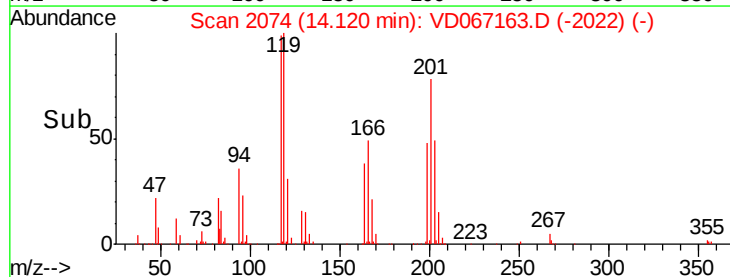
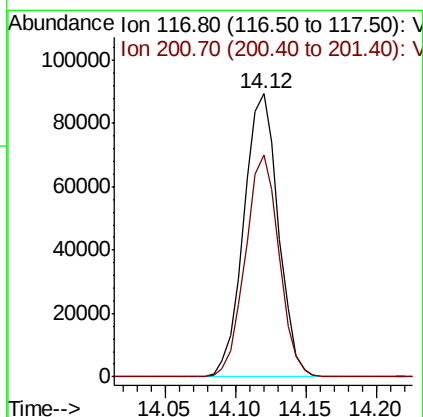
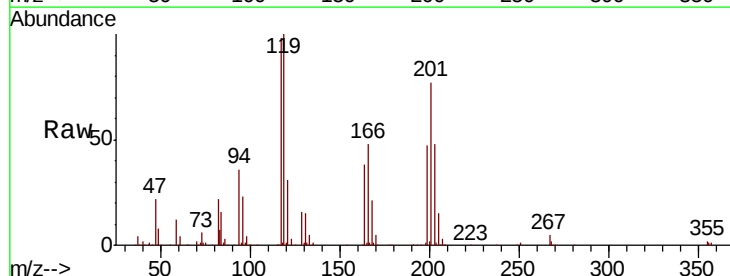
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

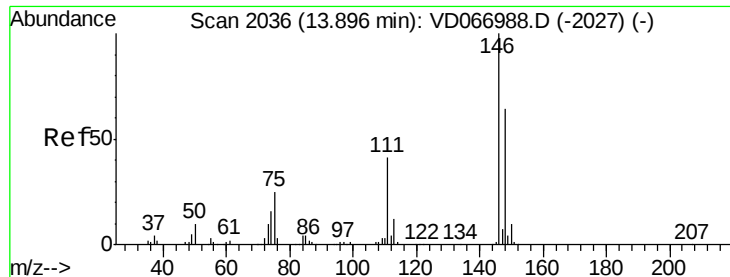
Tot Ion: 91 Resp: 803362
Ion Ratio Lower Upper
91 100
92 54.3 27.1 81.2
134 27.8 13.6 40.8



#90
Hexachloroethane
Concen: 47.705 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion: 117 Resp: 153320
Ion Ratio Lower Upper
117 100
201 76.7 37.0 110.9





#91

1,2-Dichlorobenzene

Concen: 49.799 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

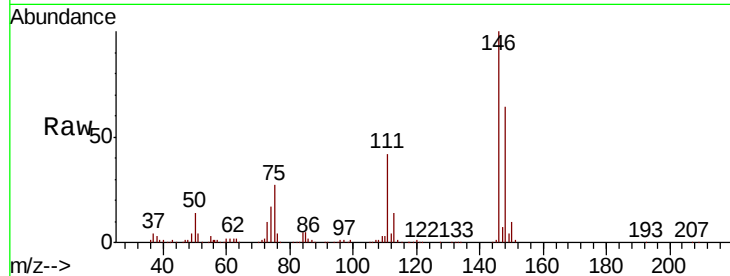
Tot Ion:146 Resp: 404032

Ion Ratio Lower Upper

146 100

111 41.2 20.9 62.7

148 63.1 32.3 96.9

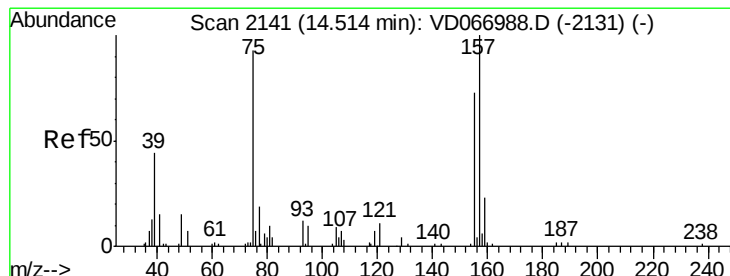
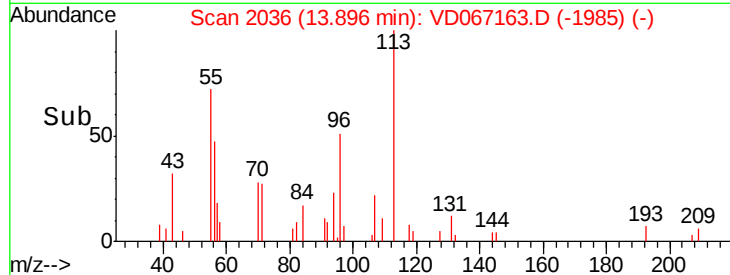
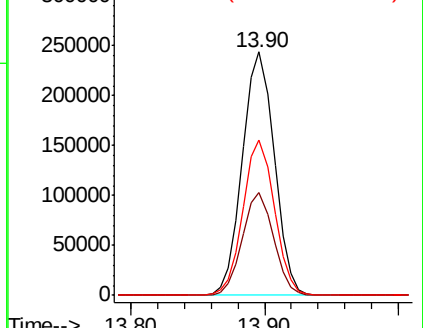


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.449 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD067163.D

Acq: 07 Oct 2020 20:08

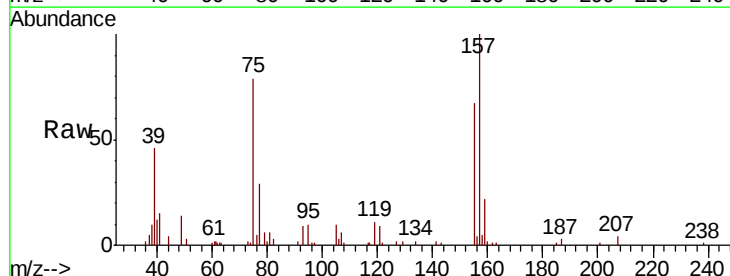
Tgt Ion: 75 Resp: 25991

Ion Ratio Lower Upper

75 100

155 97.8 45.2 135.6

157 120.7 56.3 168.8

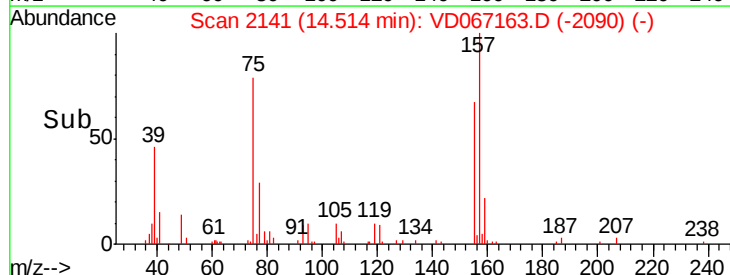
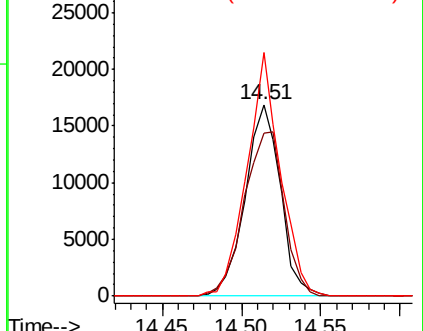


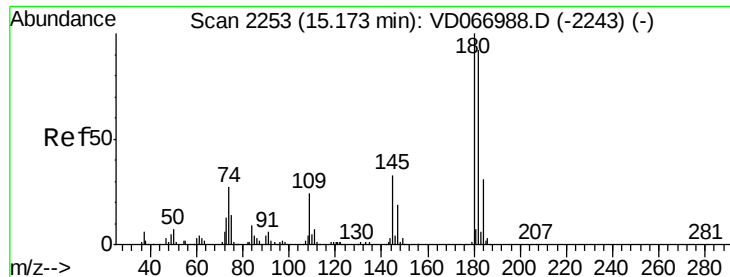
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

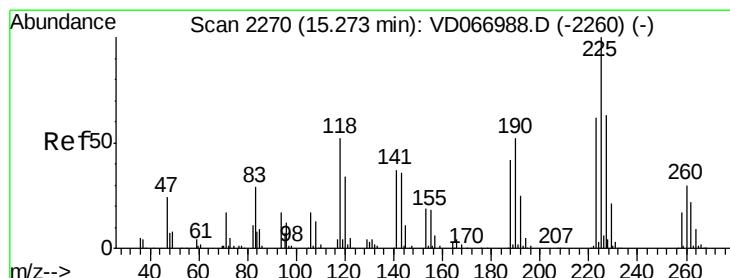
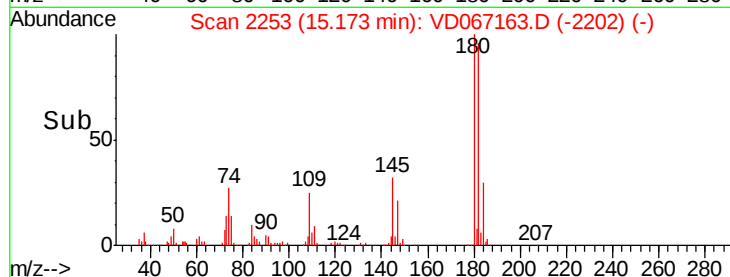
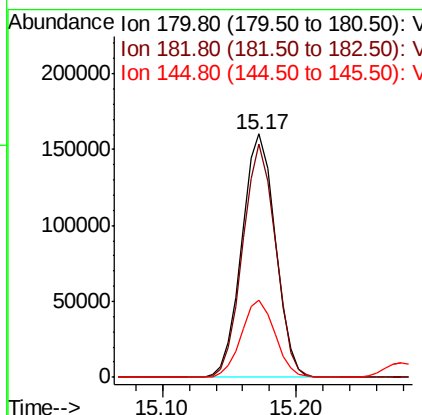
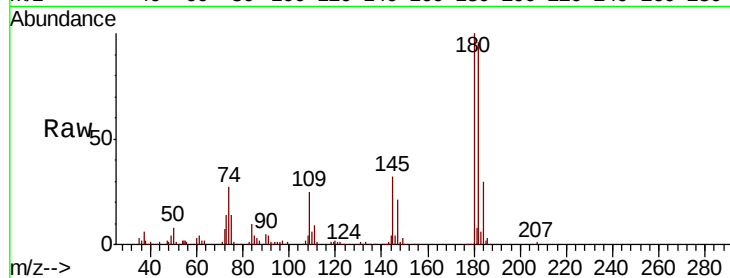




#93
 1,2,4-Trichlorobenzene
 Concen: 53.056 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

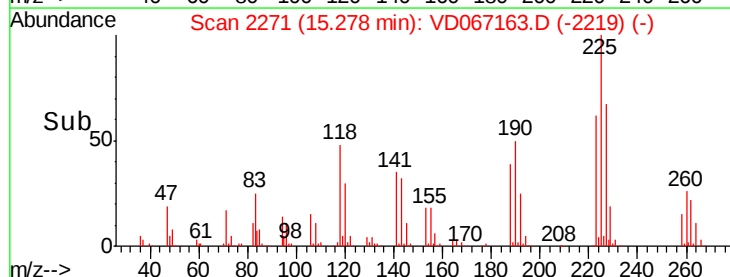
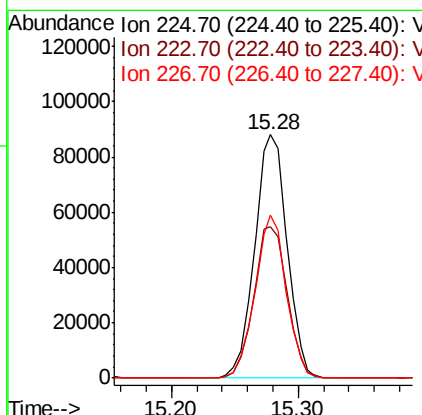
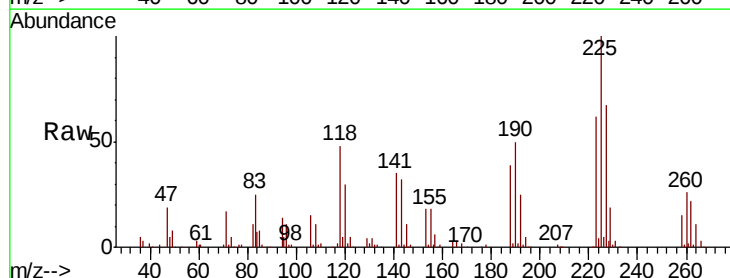
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

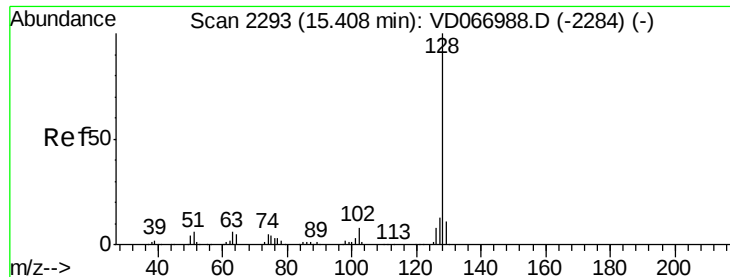
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	142.0
145	31.7	16.4	49.1



#94
 Hexachlorobutadiene
 Concen: 48.719 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067163.D
 Acq: 07 Oct 2020 20:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	32.4	97.0
227	64.4	31.6	95.0

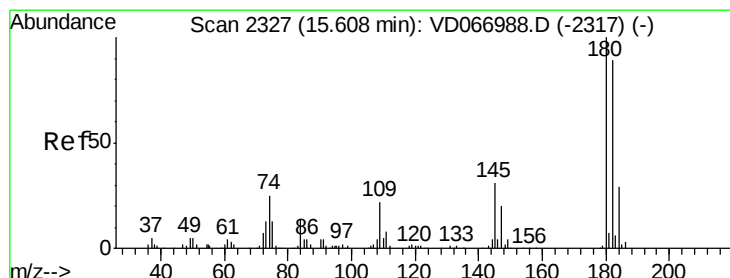
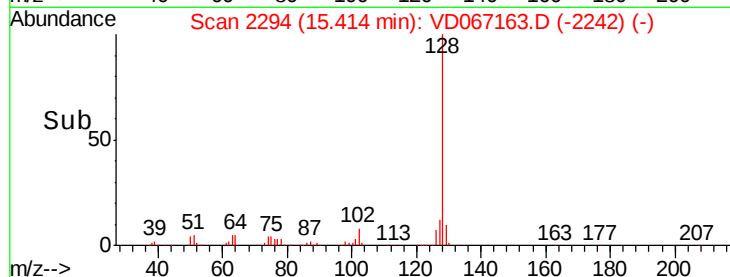
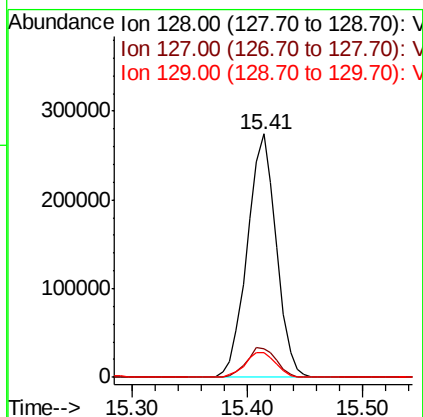
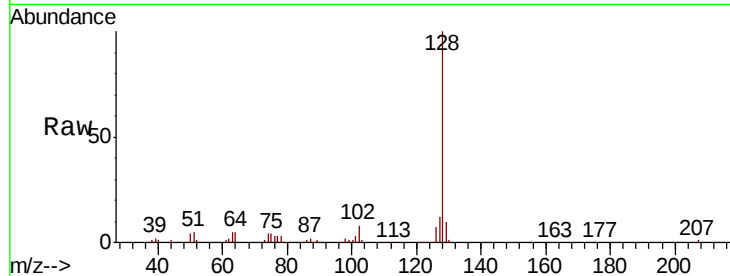




#95
Naphthalene
Concen: 54.771 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 479427
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 53.345 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD067163.D
Acq: 07 Oct 2020 20:08

Tgt Ion:180 Resp: 243022
Ion Ratio Lower Upper
180 100
182 94.7 46.4 139.1
145 33.5 16.6 49.7

