

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066331.D
 Acq On : 19 Aug 2020 22:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 20 07:19:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	223932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	324087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	297720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150775	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	112427	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	
35) Dibromofluoromethane	7.91	113	110919	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	10.34	98	400274	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.63	95	140141	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	80652	40.880	ug/l	100
3) Chloromethane	2.21	50	64727	42.175	ug/l	99
4) Vinyl Chloride	2.35	62	67042	49.342	ug/l	97
5) Bromomethane	2.77	94	51759	57.417	ug/l	88
6) Chloroethane	2.92	64	44629	53.509	ug/l	99
7) Trichlorofluoromethane	3.27	101	182823	51.611	ug/l	95
8) Diethyl Ether	3.71	74	48874	48.898	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	105924	50.386	ug/l	98
10) Methyl Iodide	4.30	142	123066	62.381	ug/l	97
11) Tert butyl alcohol	5.23	59	34587	228.596	ug/l	97
12) 1,1-Dichloroethene	4.07	96	93972	47.385	ug/l	91
13) Acrolein	3.93	56	27668	173.989	ug/l	95
14) Allyl chloride	4.71	41	145102	48.296	ug/l	91
15) Acrylonitrile	5.42	53	107219	254.564	ug/l	100
16) Acetone	4.16	43	86806	228.997	ug/l	94
17) Carbon Disulfide	4.41	76	258051	40.924	ug/l	99
18) Methyl Acetate	4.71	43	48778	50.660	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	242406	53.328	ug/l	96
20) Methylene Chloride	4.96	84	128711	60.062	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	112719	49.477	ug/l	96
22) Diisopropyl ether	6.36	45	290745	48.936	ug/l	96
23) Vinyl Acetate	6.30	43	867423	249.211	ug/l	100
24) 1,1-Dichloroethane	6.26	63	191381	52.050	ug/l	100
25) 2-Butanone	7.21	43	125466	225.034	ug/l	93
26) 2,2-Dichloropropane	7.20	77	171974	52.185	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	129543	54.212	ug/l	98
28) Bromochloromethane	7.54	49	66038	51.136	ug/l	96
29) Tetrahydrofuran	7.56	42	80758	233.788	ug/l	96
30) Chloroform	7.71	83	213846	55.388	ug/l	96
31) Cyclohexane	7.98	56	151989	43.425	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	202295	55.883	ug/l	98
36) 1,1-Dichloropropene	8.11	75	152798	50.173	ug/l	99
37) Ethyl Acetate	7.29	43	57956	48.031	ug/l	98
38) Carbon Tetrachloride	8.10	117	192034	56.545	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	176309	47.891	ug/l	97
40) Benzene	8.34	78	432256	51.165	ug/l	98
41) Methacrylonitrile	7.53	41	34840	49.107	ug/l	93
42) 1,2-Dichloroethane	8.42	62	139522	56.216	ug/l	97
43) Isopropyl Acetate	8.45	43	118231	49.730	ug/l	99
44) Trichloroethene	9.11	130	134161	52.700	ug/l	99
45) 1,2-Dichloropropane	9.38	63	106237	51.416	ug/l	100
46) Dibromomethane	9.47	93	60226	52.917	ug/l	96
47) Bromodichloromethane	9.66	83	170331	56.625	ug/l	100
48) Methyl methacrylate	9.46	41	55181	45.455	ug/l #	77
49) 1,4-Dioxane	9.46	88	13958	954.582	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	297987	244.013	ug/l	98
52) Toluene	10.40	92	295477	53.152	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	155810	54.581	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	175419	52.448	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	82897	50.582	ug/l	97
56) Ethyl methacrylate	10.66	69	102464	52.046	ug/l	96
57) 1,3-Dichloropropane	10.94	76	143281	52.663	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	240005	271.019	ug/l	98
59) 2-Hexanone	10.98	43	201431	235.027	ug/l	99
60) Dibromochloromethane	11.14	129	122774	54.263	ug/l	98
61) 1,2-Dibromoethane	11.24	107	82530	52.364	ug/l	98
64) Tetrachloroethene	10.87	164	118931	52.022	ug/l	95
65) Chlorobenzene	11.67	112	327566	54.199	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	128997	54.549	ug/l	98
67) Ethyl Benzene	11.74	91	571012	54.520	ug/l	96
68) m/p-Xylenes	11.85	106	430111	105.996	ug/l	96
69) o-Xylene	12.18	106	200516	54.322	ug/l	98
70) Styrene	12.19	104	348974	53.945	ug/l	97
71) Bromoform	12.36	173	74562	53.218	ug/l #	99
73) Isopropylbenzene	12.48	105	566808	56.317	ug/l	99
74) N-amyl acetate	12.29	43	108196	48.819	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	87447	50.954	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	119526	95.061	ug/l #	100
77) Bromobenzene	12.76	156	141199	54.499	ug/l	98
78) n-propylbenzene	12.82	91	636502	54.405	ug/l	100
79) 2-Chlorotoluene	12.91	91	368705	55.102	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	479908	57.016	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	28086	49.378	ug/l	92
82) 4-Chlorotoluene	13.01	91	380996	53.938	ug/l	99
83) tert-Butylbenzene	13.23	119	416061	56.207	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	469874	55.781	ug/l	100
85) sec-Butylbenzene	13.40	105	549413	54.974	ug/l	100
86) p-Isopropyltoluene	13.52	119	526755	56.196	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	256645	52.706	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	253897	52.284	ug/l	100
89) n-Butylbenzene	13.84	91	459636	54.730	ug/l	99
90) Hexachloroethane	14.11	117	102192	54.664	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	231997	53.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15789	53.530	ug/l	99

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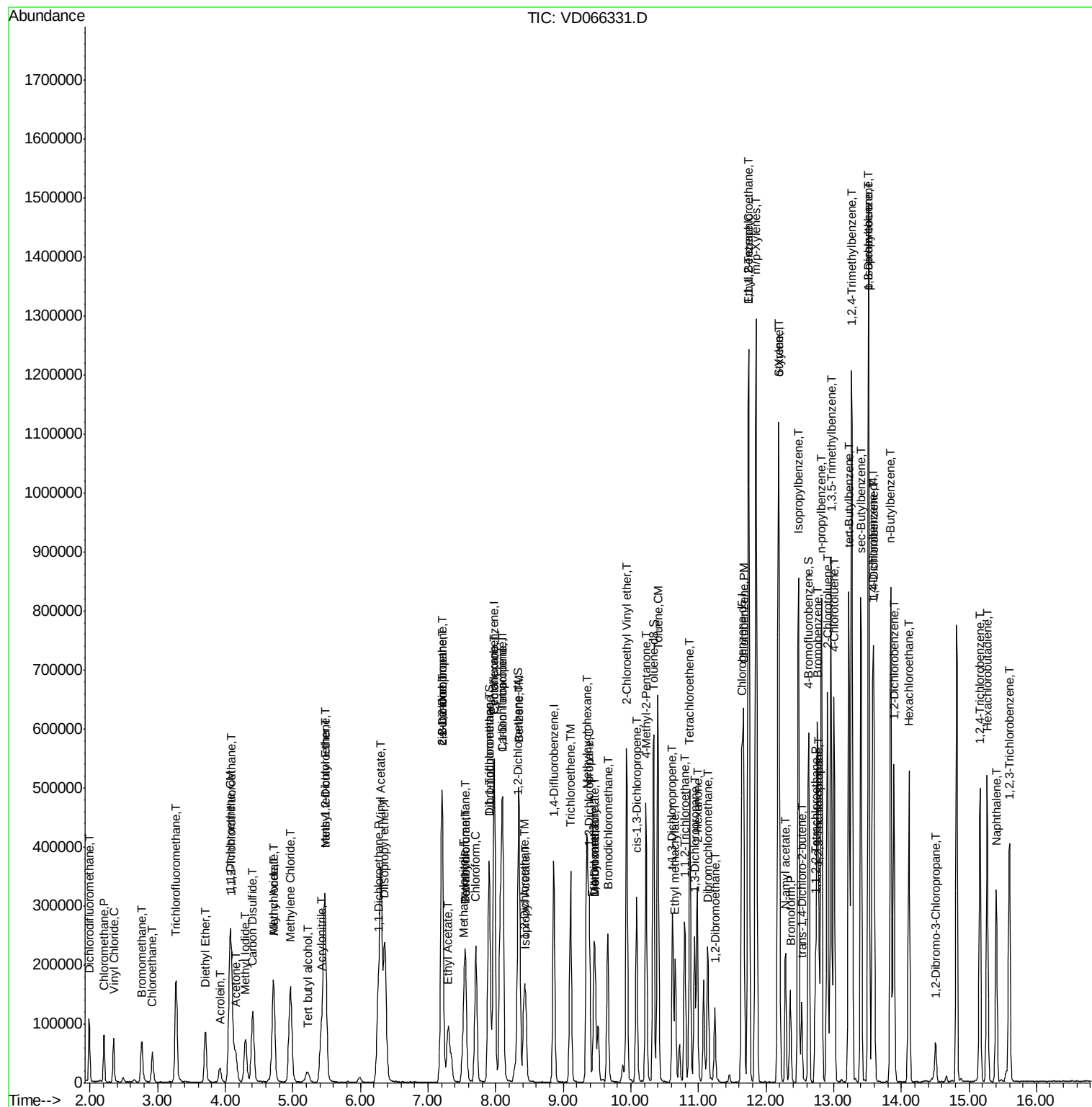
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	170879	53.845	ug/l	99
94) Hexachlorobutadiene	15.27	225	105711	56.568	ug/l	98
95) Naphthalene	15.41	128	289485	55.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	150660	53.779	ug/l	98

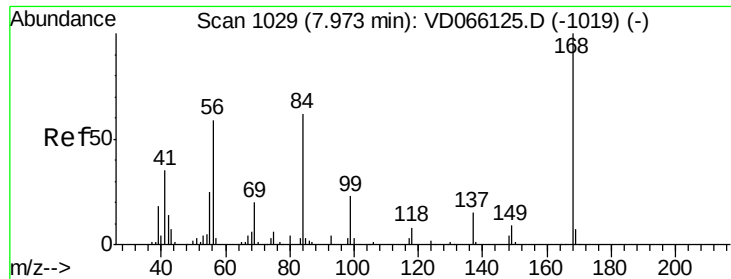
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

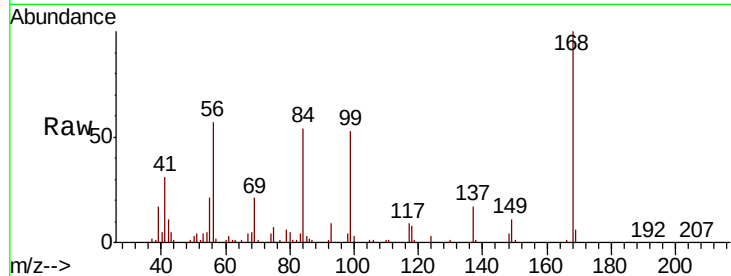
VSTDCCC050

Tot Ion:168 Resp: 223932

Ion Ratio Lower Upper

168 100

99 52.8 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

60000

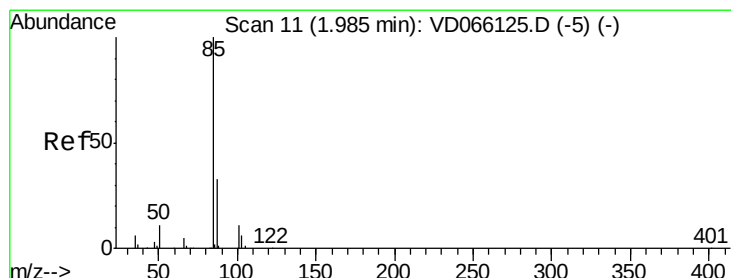
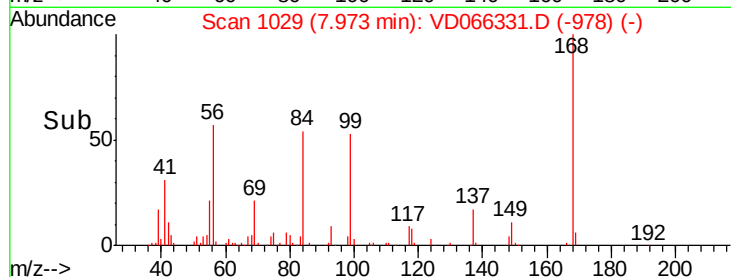
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.880 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066331.D

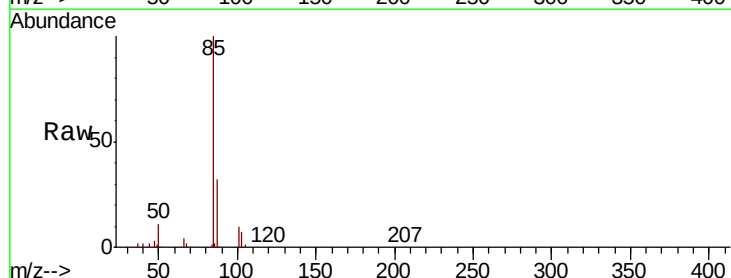
Acq: 19 Aug 2020 22:43

Tgt Ion: 85 Resp: 80652

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

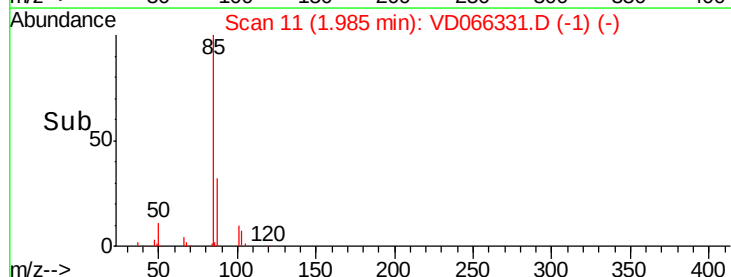
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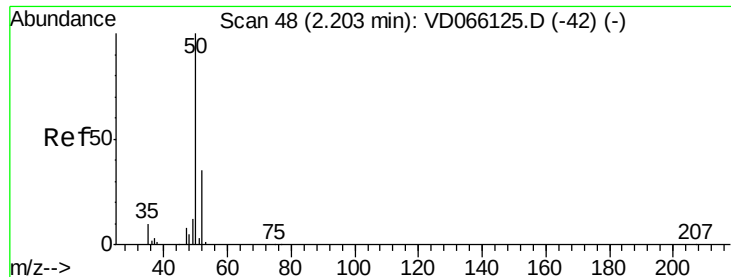
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 42.175 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

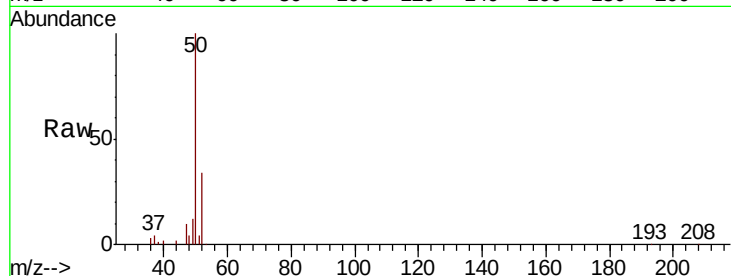
VSTDCCC050

Tot Ion: 50 Resp: 64727

Ion Ratio Lower Upper

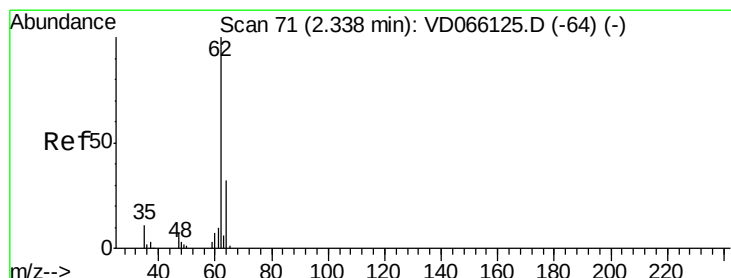
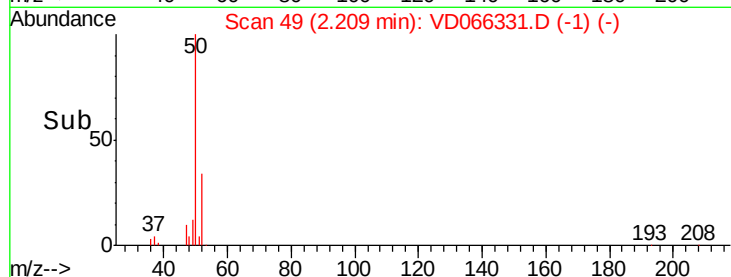
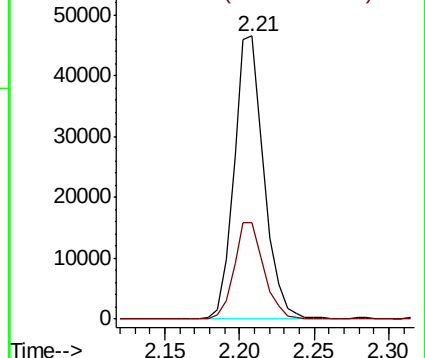
50 100

52 34.2 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.342 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066331.D

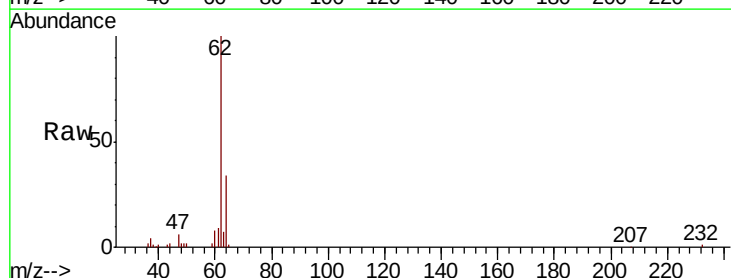
Acq: 19 Aug 2020 22:43

Tgt Ion: 62 Resp: 67042

Ion Ratio Lower Upper

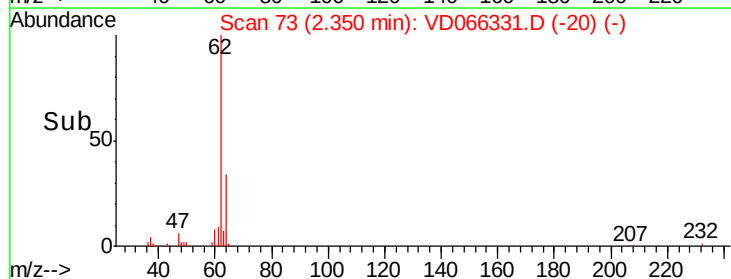
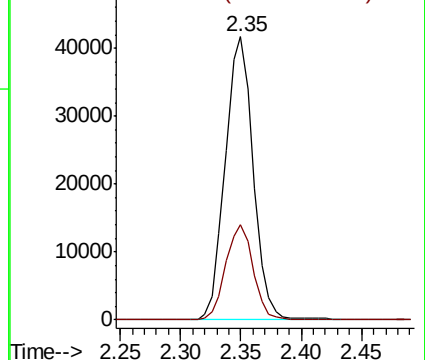
62 100

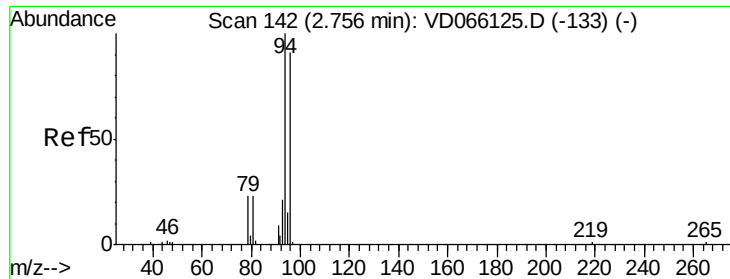
64 33.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 57.417 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

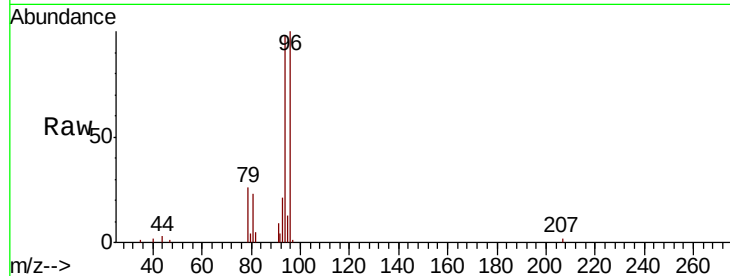
VSTDCCC050

Tot Ion: 94 Resp: 51759

Ion Ratio Lower Upper

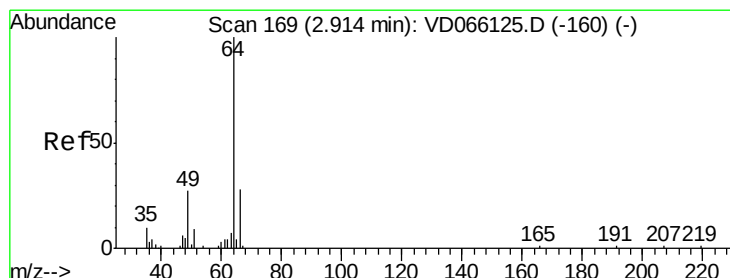
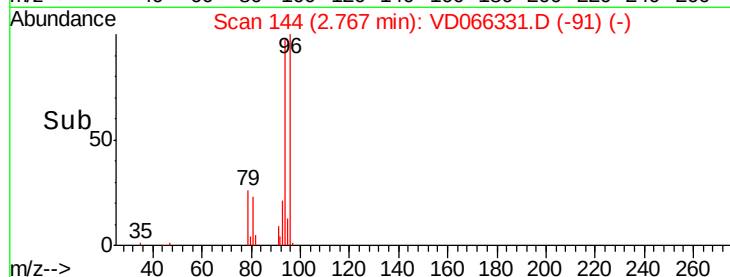
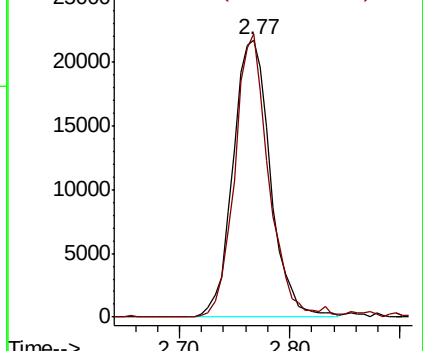
94 100

96 102.0 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.509 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066331.D

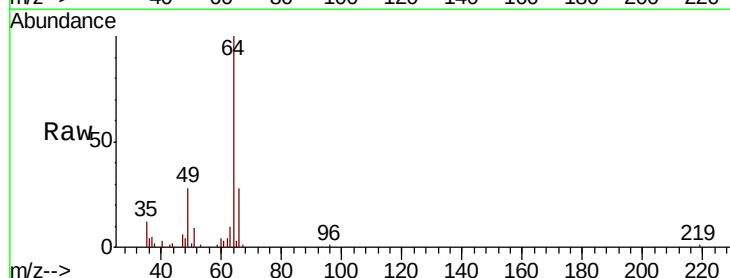
Acq: 19 Aug 2020 22:43

Tgt Ion: 64 Resp: 44629

Ion Ratio Lower Upper

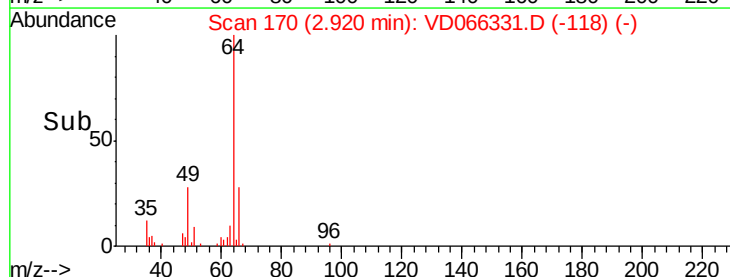
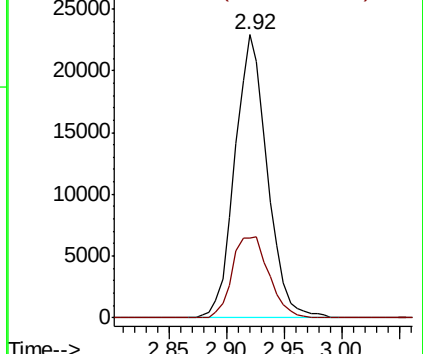
64 100

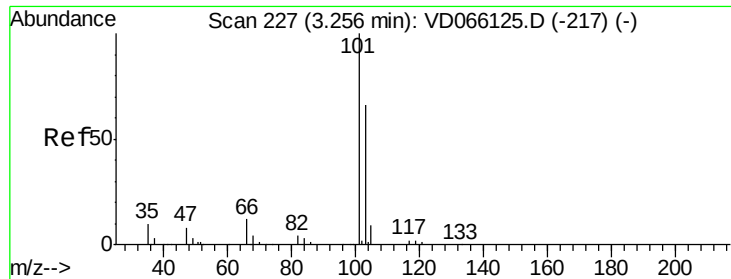
66 28.2 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



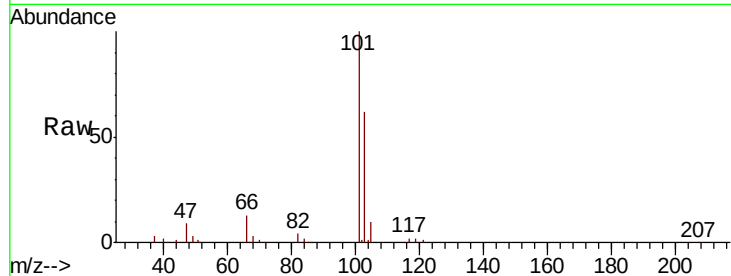


#7

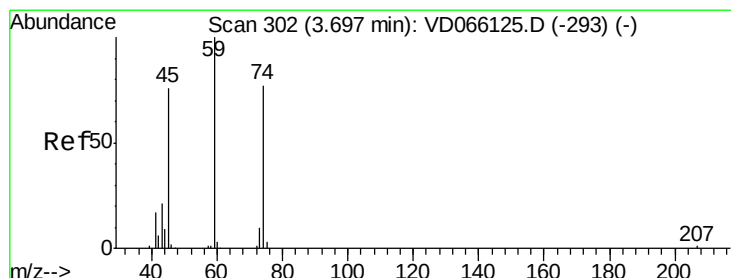
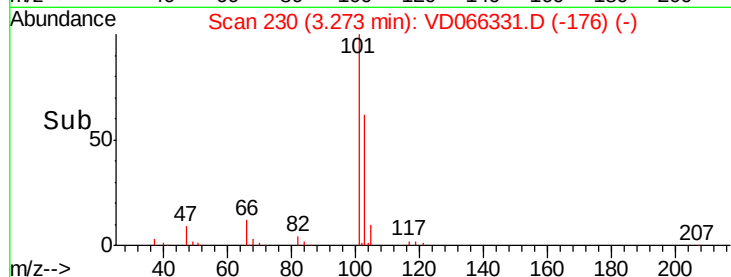
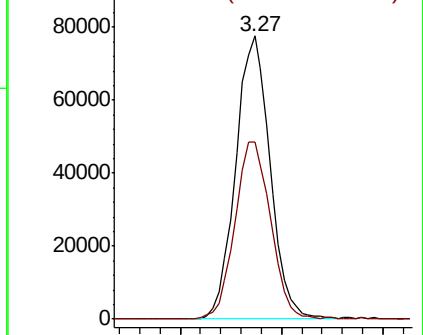
Trichlorofluoromethane
 Concen: 51.611 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.02 min
 Lab File: VD066331.D
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Tot Ion:101 Resp: 182823
 Ion Ratio Lower Upper
 101 100
 103 62.4 53.0 79.6



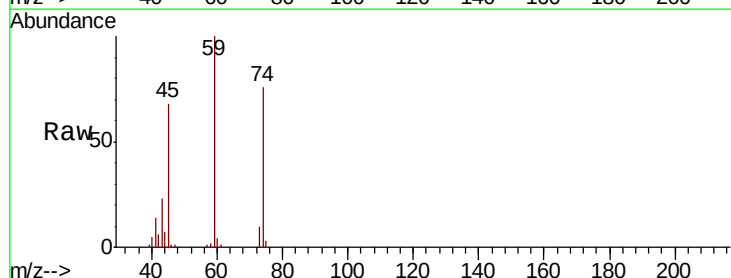
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



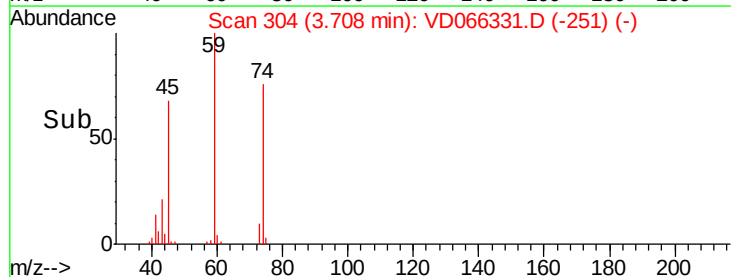
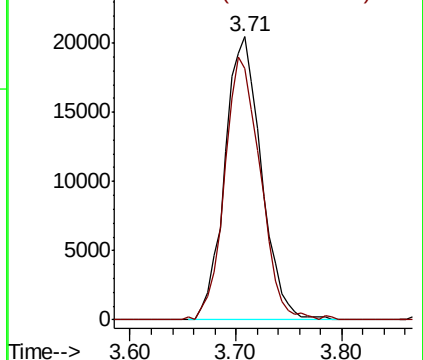
#8

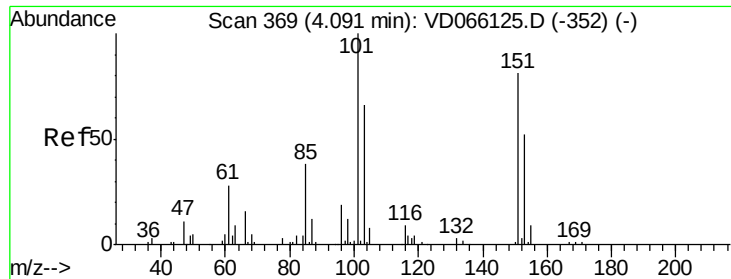
Diethyl Ether
 Concen: 48.898 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD066331.D
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Tgt Ion: 74 Resp: 48874
 Ion Ratio Lower Upper
 74 100
 45 90.8 48.4 145.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.386 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

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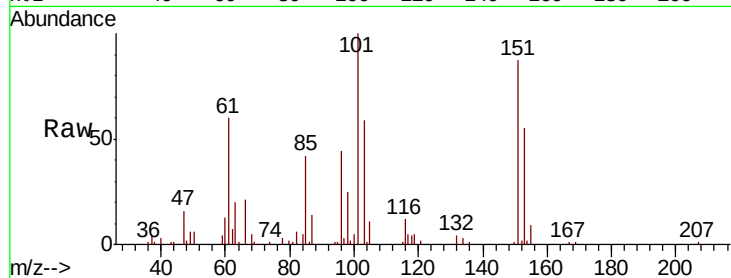
Tot Ion:101 Resp: 105924

Ion Ratio Lower Upper

101 100

85 43.4 33.5 50.3

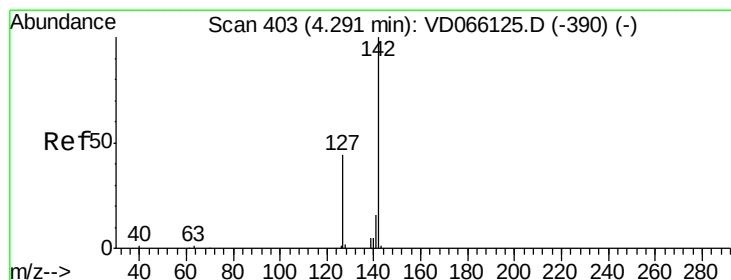
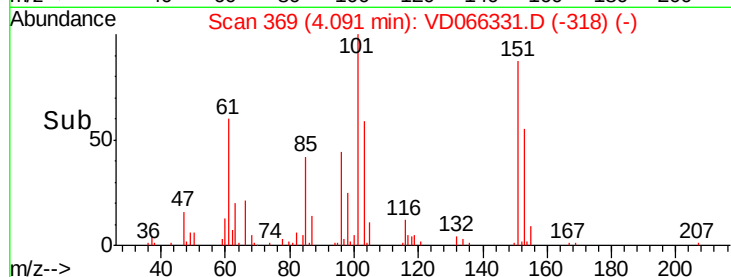
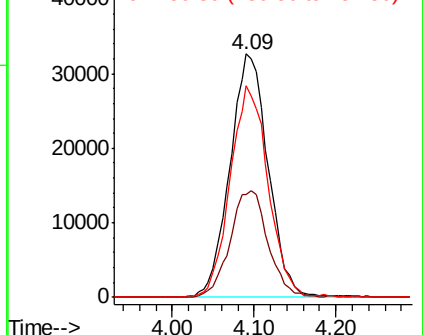
151 86.1 67.8 101.8



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: 62.381 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

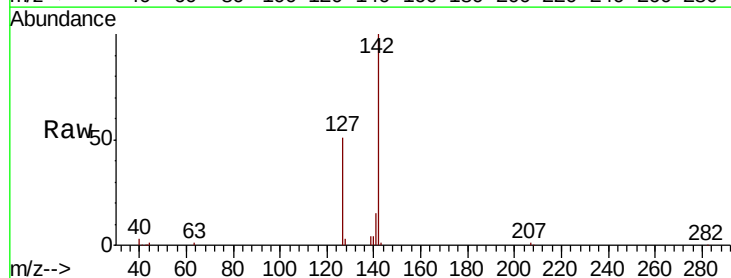
Tgt Ion:142 Resp: 123066

Ion Ratio Lower Upper

142 100

127 47.6 36.2 54.4

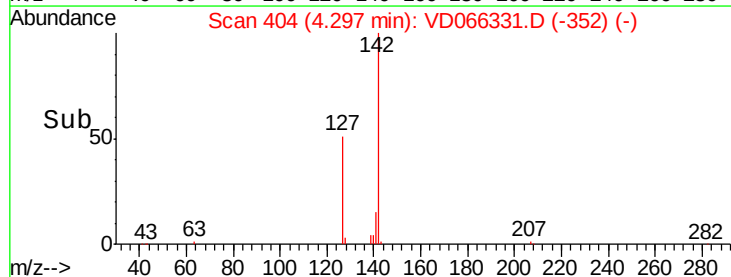
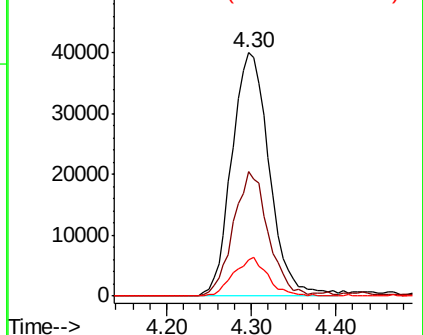
141 14.4 12.6 18.8

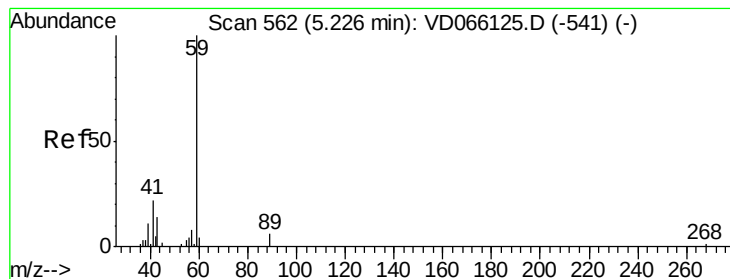


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



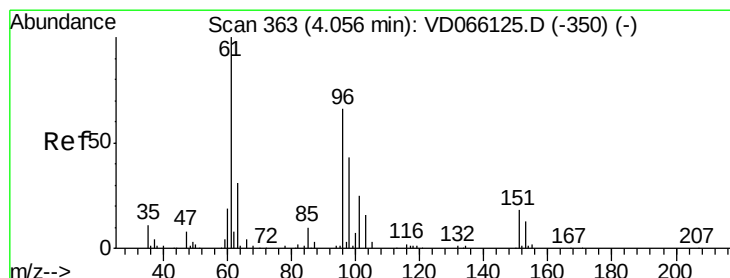
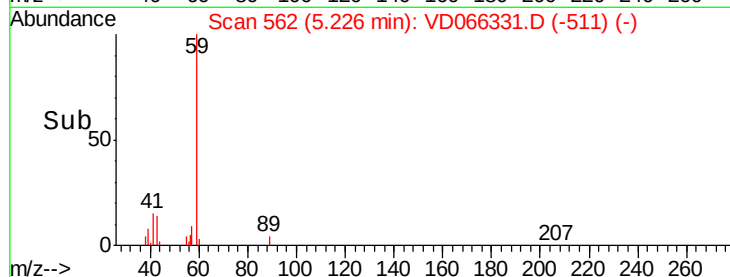
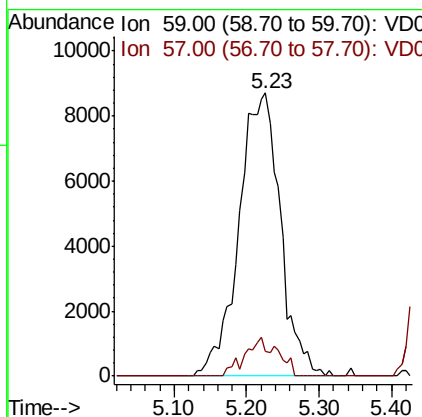
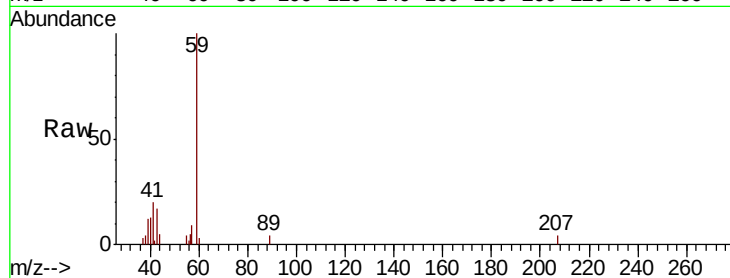


#11

Tert butyl alcohol
 Concen: 228.596 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

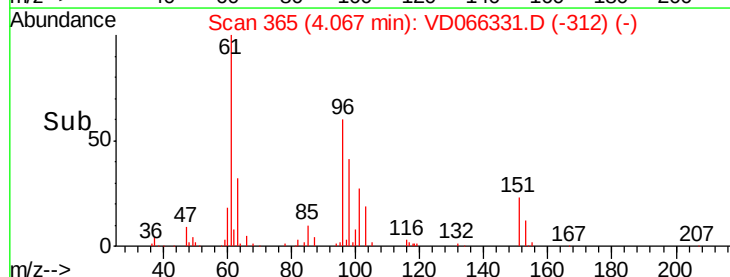
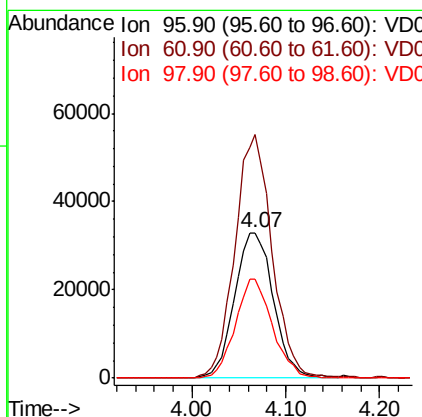
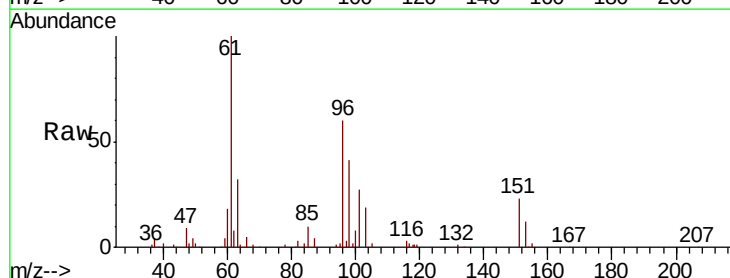
Tot Ion: 59 Resp: 34587
 Ion Ratio Lower Upper
 59 100
 57 7.5 7.0 10.4

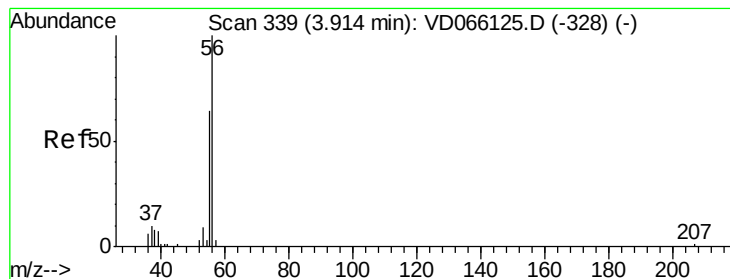


#12

1,1-Dichloroethene
 Concen: 47.385 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion: 96 Resp: 93972
 Ion Ratio Lower Upper
 96 100
 61 167.2 121.6 182.4
 98 67.8 52.0 78.0





#13

Acrolein

Concen: 173.989 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

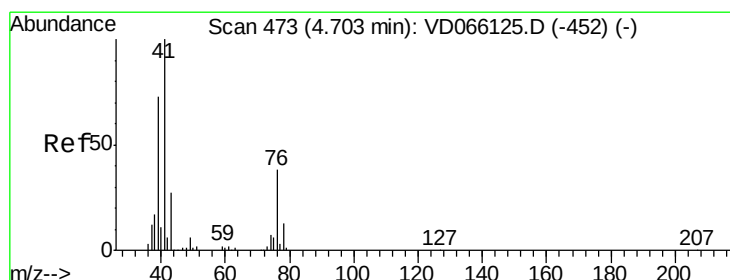
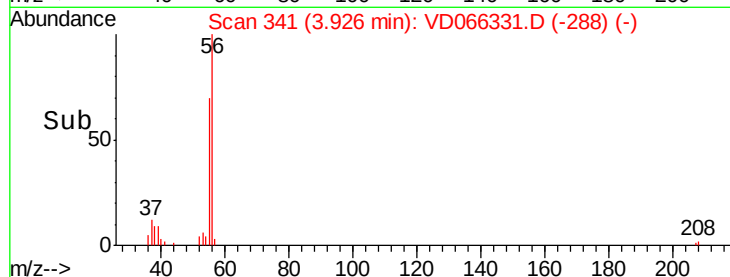
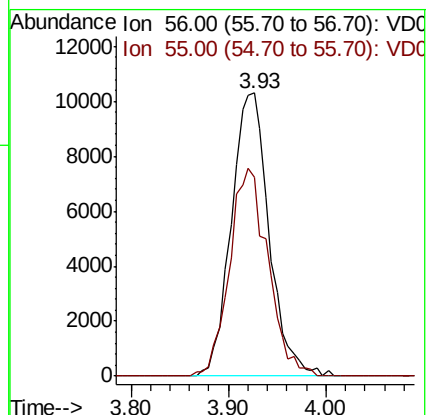
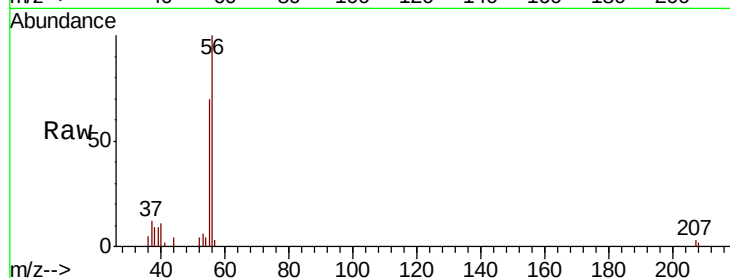
VSTDCCC050

Tot Ion: 56 Resp: 27668

Ion Ratio Lower Upper

56 100

55 74.8 56.7 85.1



#14

Allyl chloride

Concen: 48.296 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

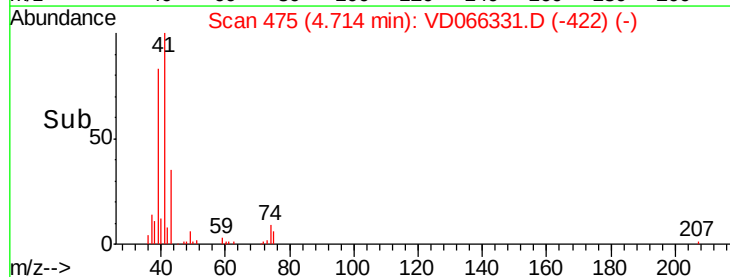
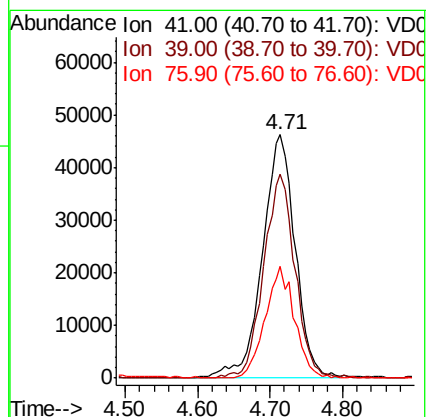
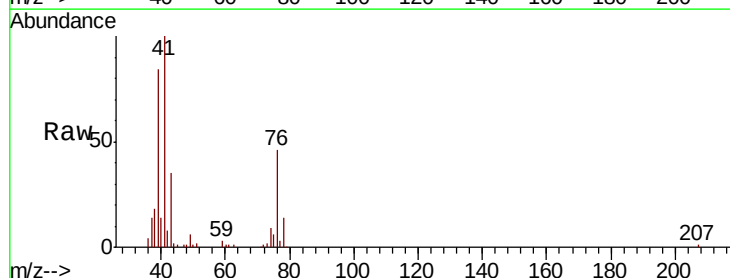
Tgt Ion: 41 Resp: 145102

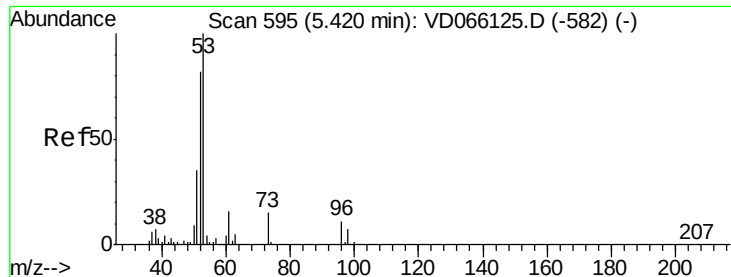
Ion Ratio Lower Upper

41 100

39 80.2 57.4 86.0

76 41.3 30.1 45.1





#15

Acrylonitrile

Concen: 254.564 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

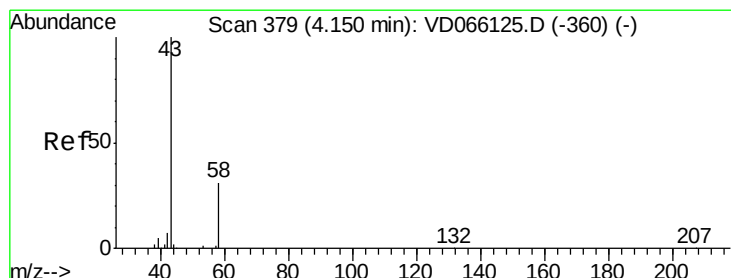
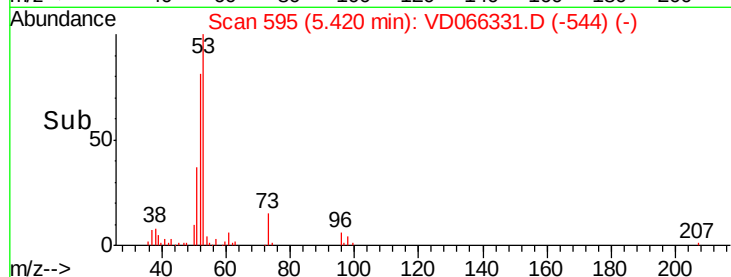
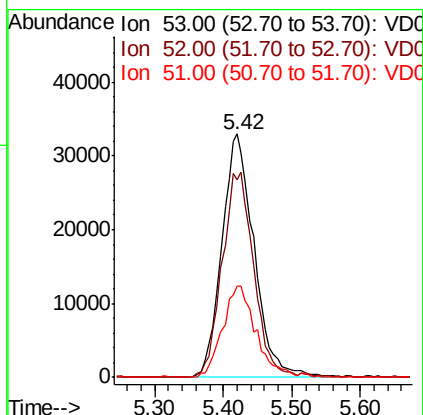
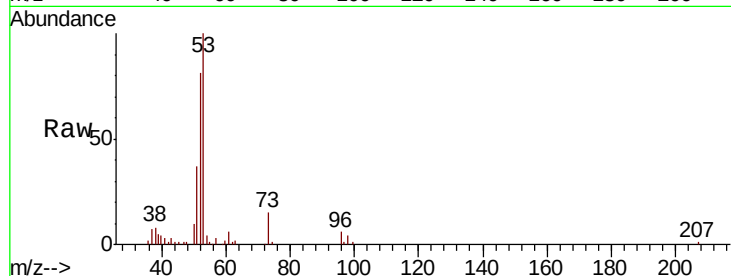
Tot Ion: 53 Resp: 107219

Ion Ratio Lower Upper

53 100

52 82.5 66.1 99.1

51 38.6 30.8 46.2



#16

Acetone

Concen: 228.997 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066331.D

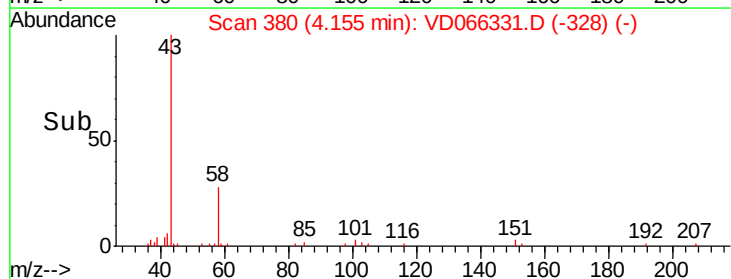
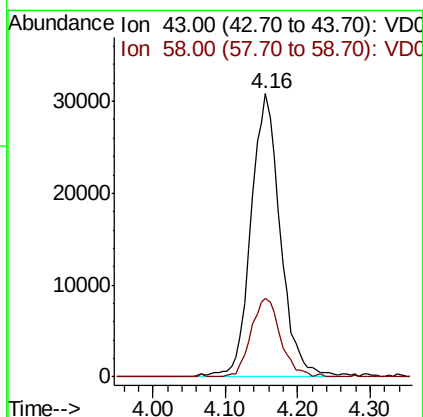
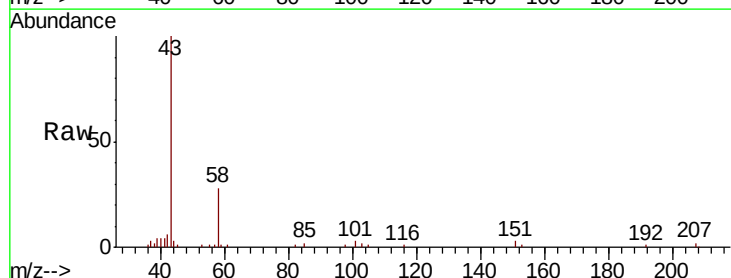
Acq: 19 Aug 2020 22:43

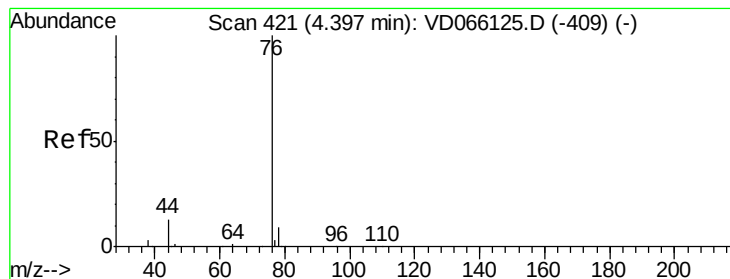
Tgt Ion: 43 Resp: 86806

Ion Ratio Lower Upper

43 100

58 27.7 24.7 37.1





#17

Carbon Disulfide

Concen: 40.924 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

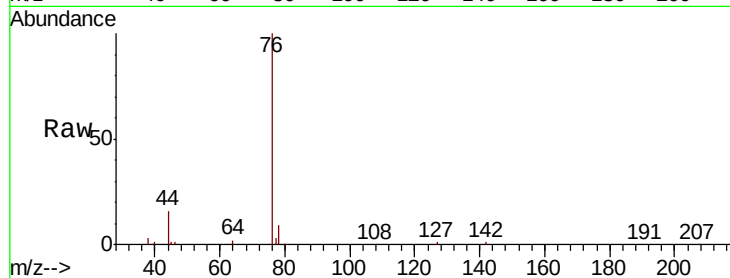
VSTDCCC050

Tot Ion: 76 Resp: 258051

Ion Ratio Lower Upper

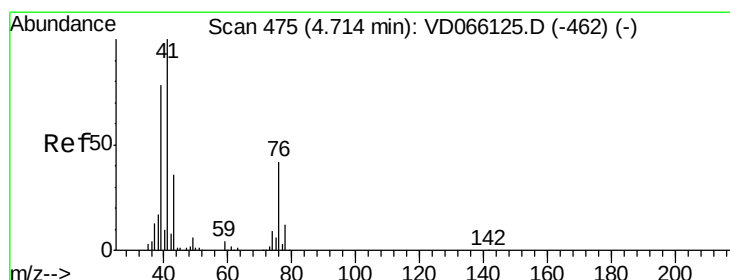
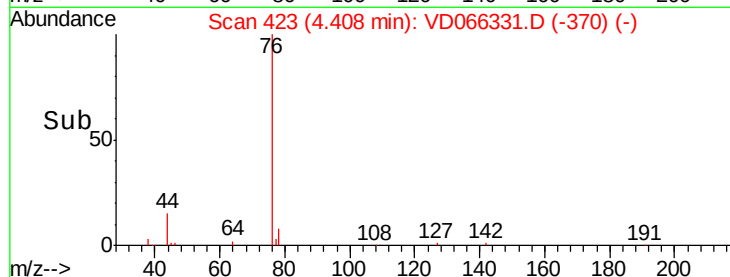
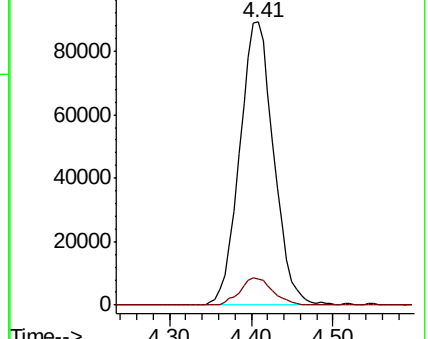
76 100

78 9.0 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: 50.660 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066331.D

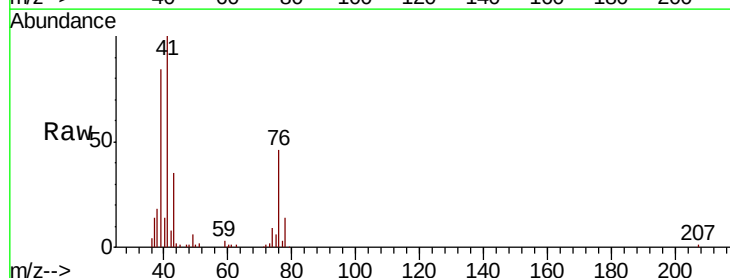
Acq: 19 Aug 2020 22:43

Tgt Ion: 43 Resp: 48778

Ion Ratio Lower Upper

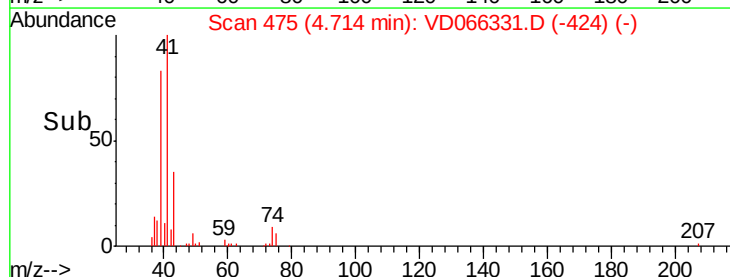
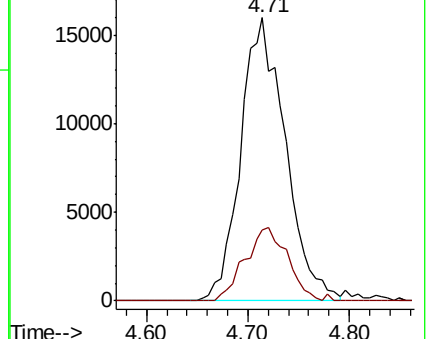
43 100

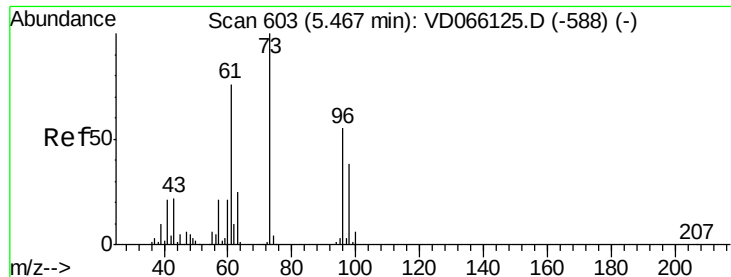
74 24.7 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



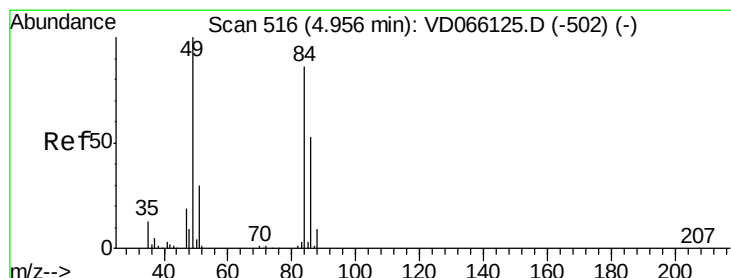
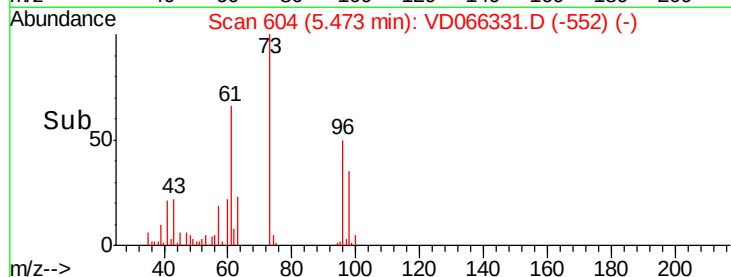
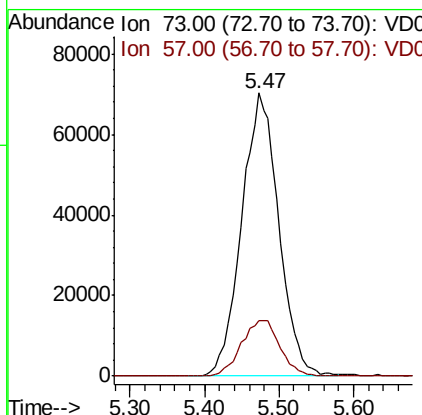
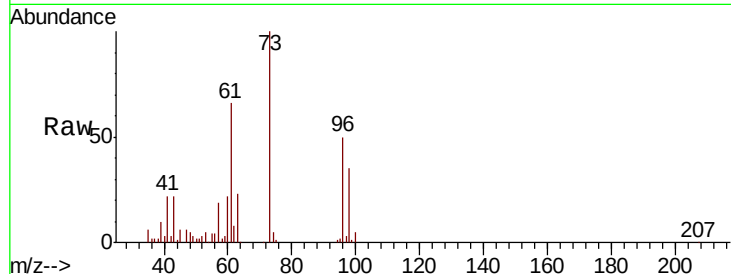


#19

Methyl tert-butyl Ether
 Concen: 53.328 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

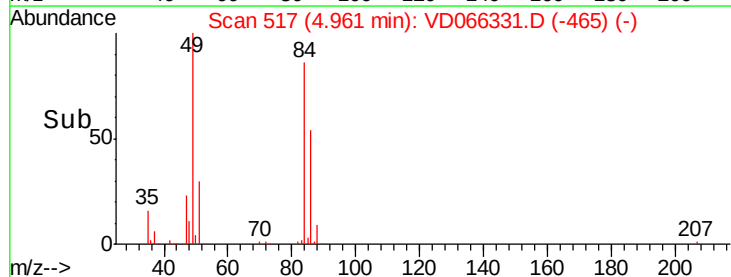
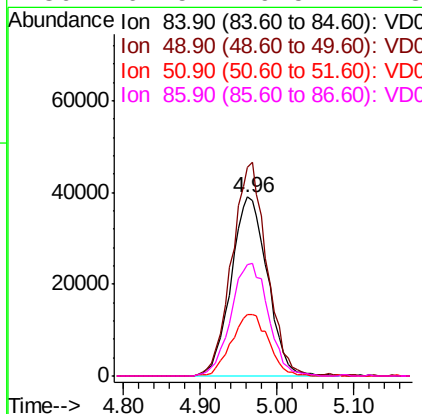
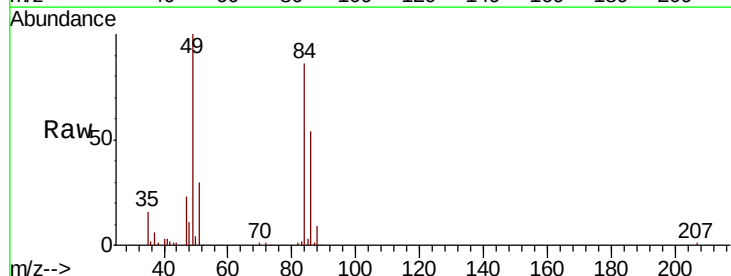
Tot Ion: 73 Resp: 242406
 Ion Ratio Lower Upper
 73 100
 57 19.4 17.1 25.7

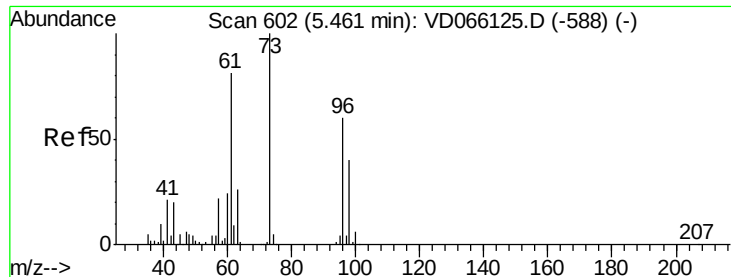


#20

Methylene Chloride
 Concen: 60.062 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion: 84 Resp: 128711
 Ion Ratio Lower Upper
 84 100
 49 116.3 93.5 140.3
 51 34.4 28.2 42.4
 86 62.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 49.477 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

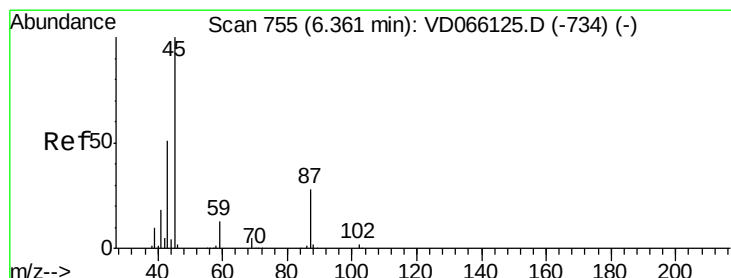
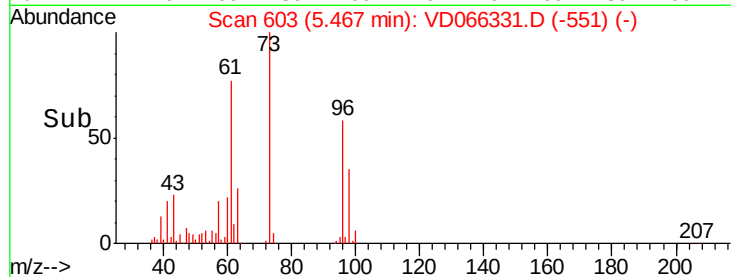
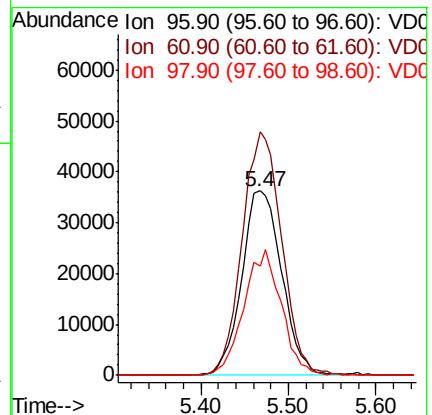
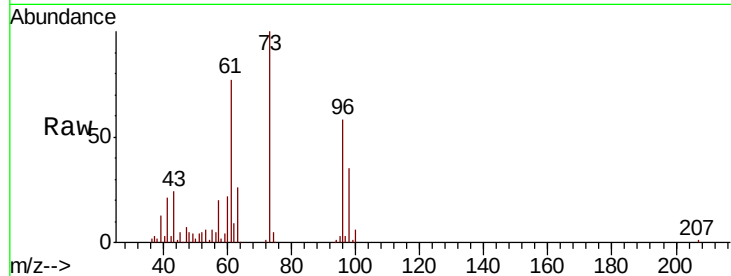
Tot Ion: 96 Resp: 112719

Ion Ratio Lower Upper

96 100

61 131.9 106.9 160.3

98 59.3 53.4 80.0



#22

Diisopropyl ether

Concen: 48.936 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Tgt Ion: 45 Resp: 290745

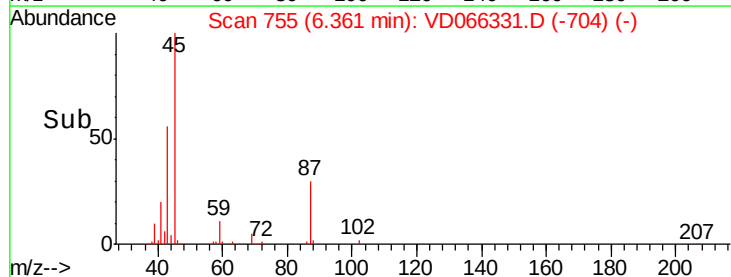
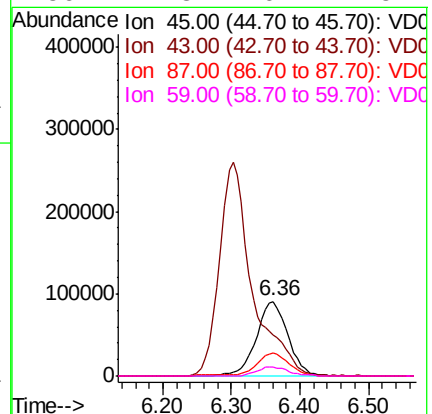
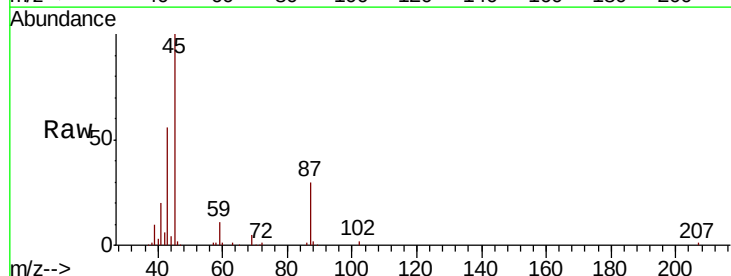
Ion Ratio Lower Upper

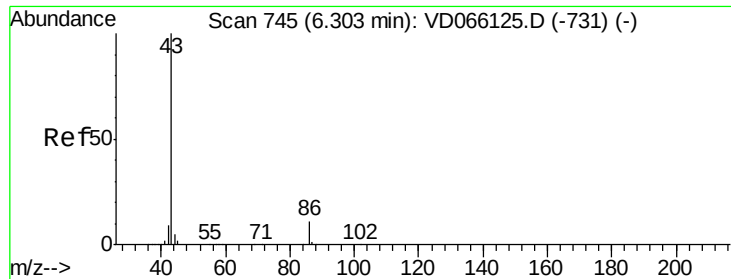
45 100

43 54.7 41.2 61.8

87 30.1 22.8 34.2

59 11.3 10.2 15.2





#23

Vinyl Acetate

Concen: 249.211 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

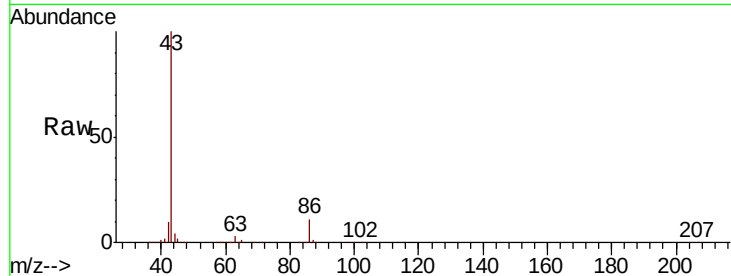
VSTDCCC050

Tot Ion: 43 Resp: 867423

Ion Ratio Lower Upper

43 100

86 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

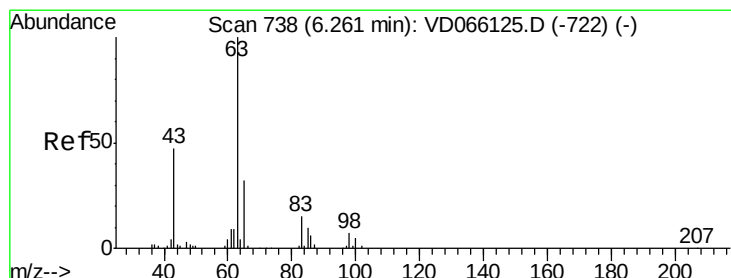
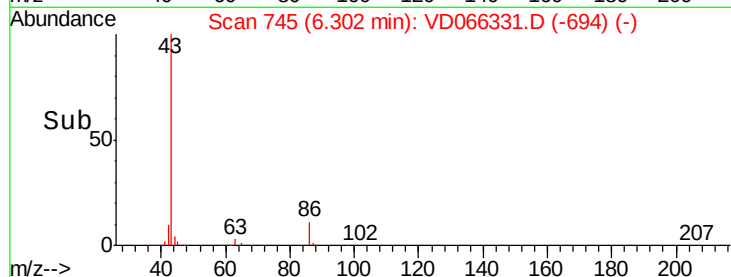
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.050 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

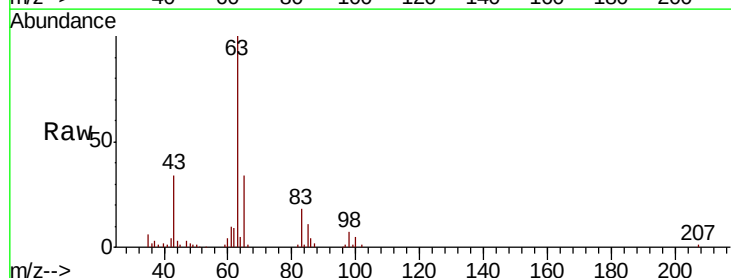
Tgt Ion: 63 Resp: 191381

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 5.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

80000

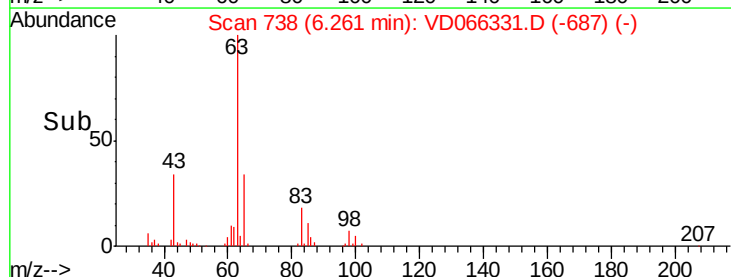
60000

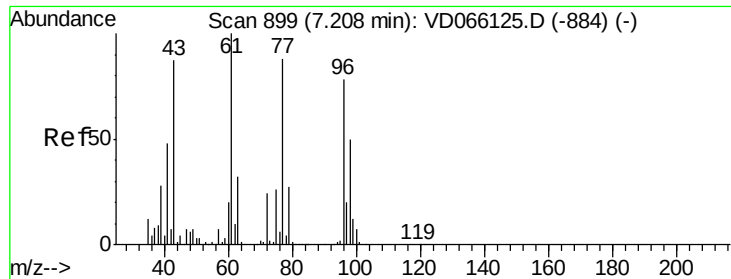
40000

20000

0

Time-->





#25

2-Butanone

Concen: 225.034 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

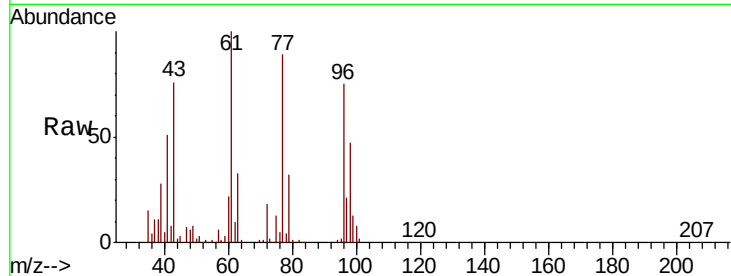
VSTDCCC050

Tot Ion: 43 Resp: 125466

Ion Ratio Lower Upper

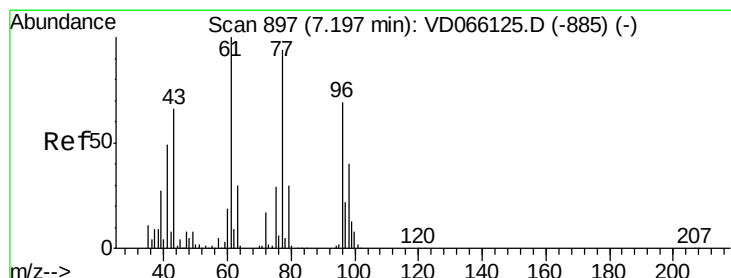
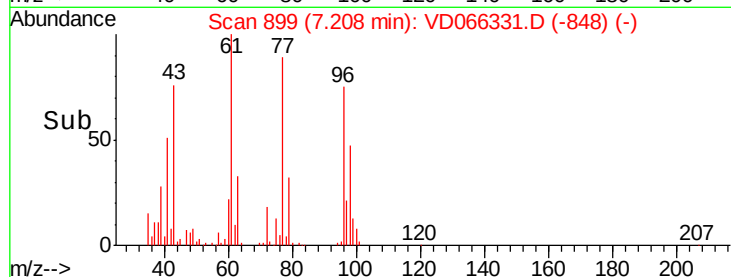
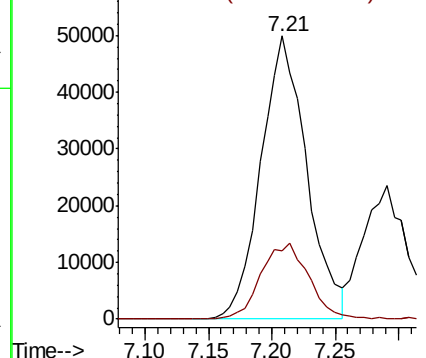
43 100

72 24.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.185 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066331.D

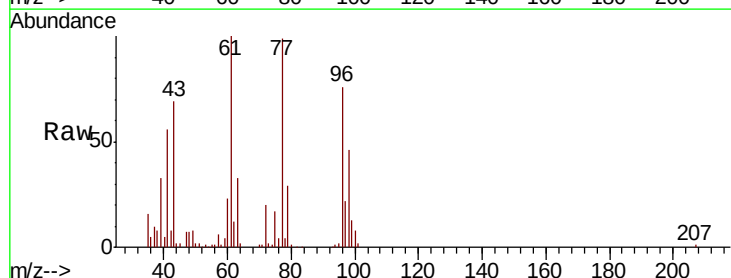
Acq: 19 Aug 2020 22:43

Tgt Ion: 77 Resp: 171974

Ion Ratio Lower Upper

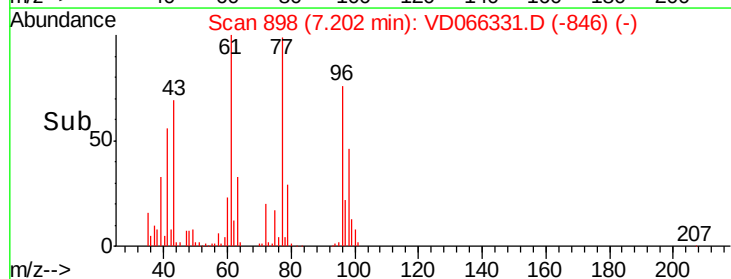
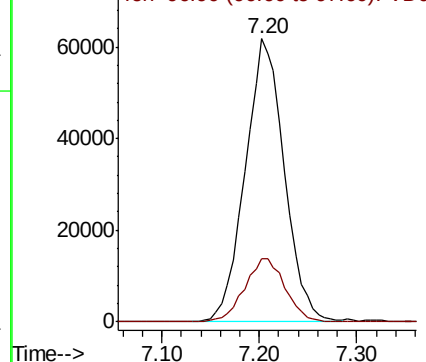
77 100

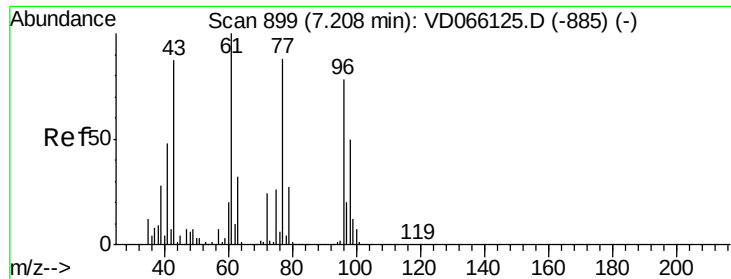
97 23.1 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

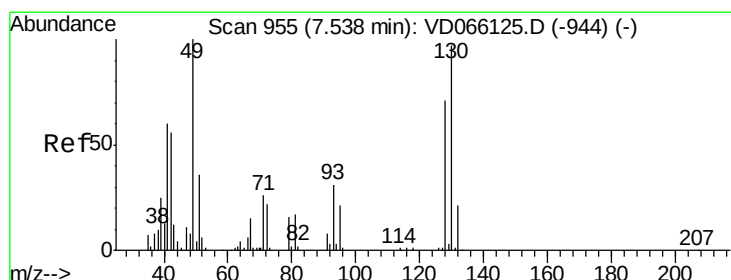
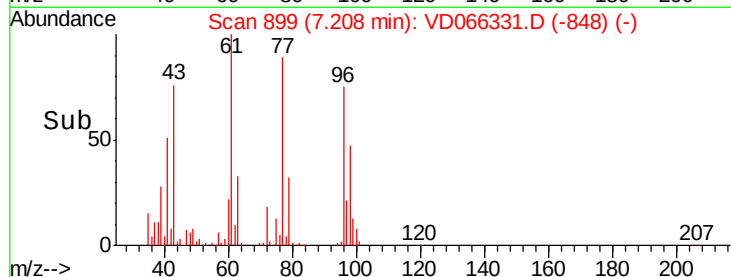
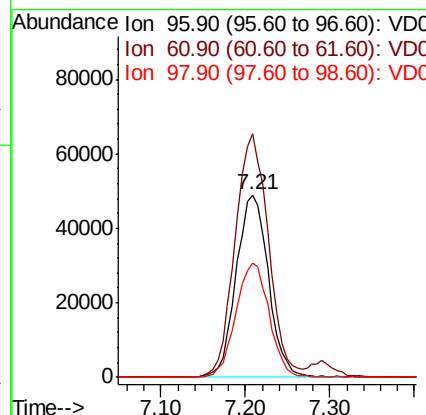
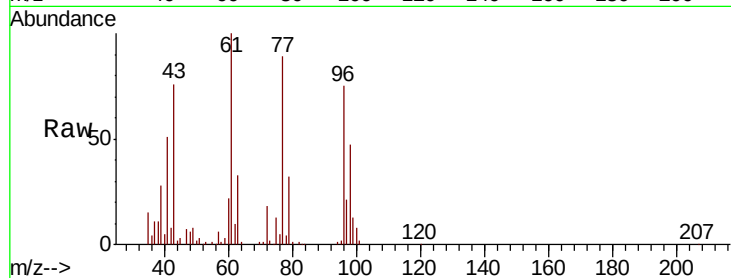




#27
 cis-1,2-Dichloroethene
 Concen: 54.212 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

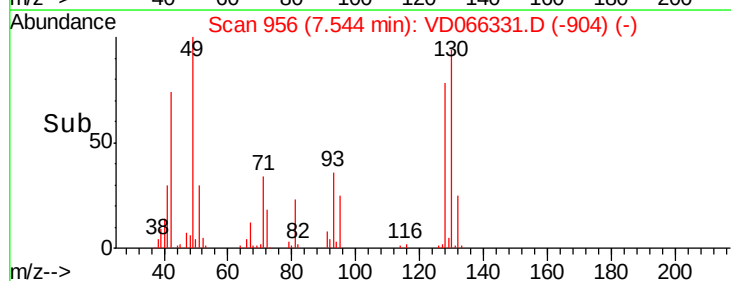
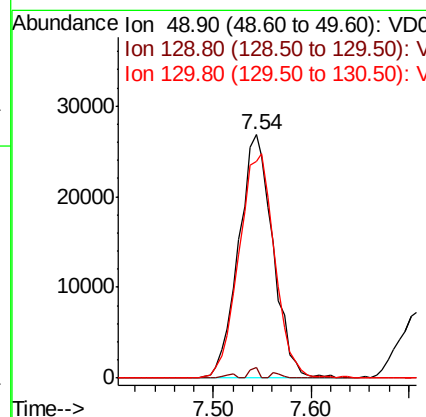
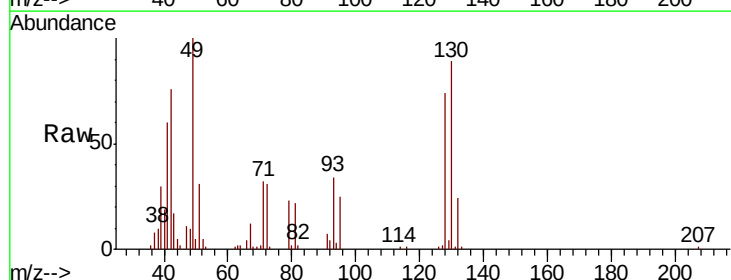
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

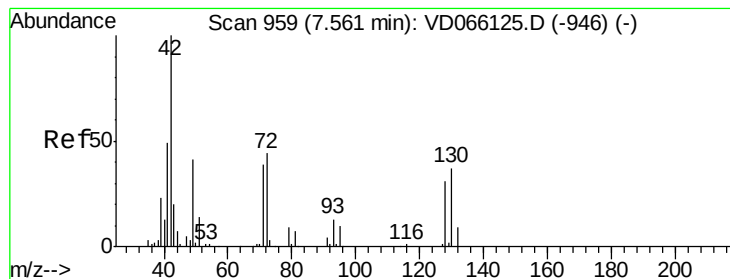
Tot Ion: 96 Resp: 129543
 Ion Ratio Lower Upper
 96 100
 61 137.9 0.0 281.6
 98 64.1 0.0 130.8



#28
 Bromochloromethane
 Concen: 51.136 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion: 49 Resp: 66038
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 6.0
 130 95.8 73.8 110.6





#29

Tetrahydrofuran

Concen: 233.788 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

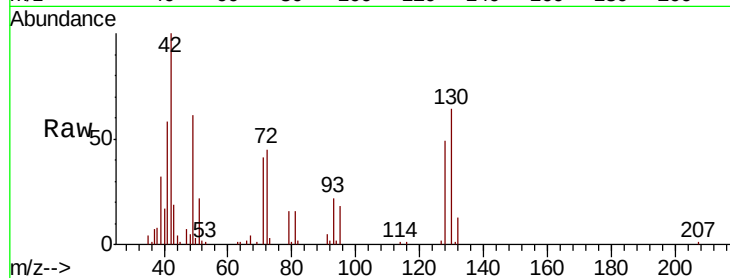
Tot Ion: 42 Resp: 80758

Ion Ratio Lower Upper

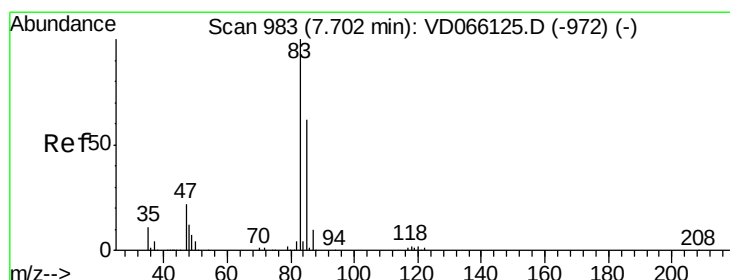
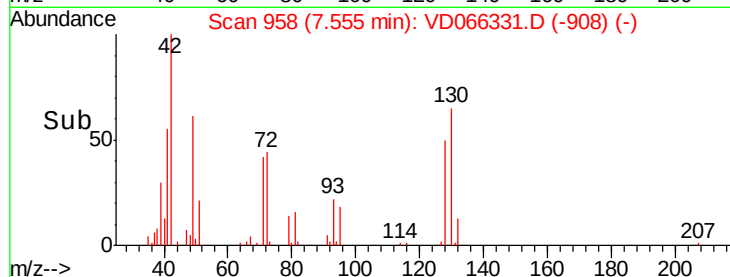
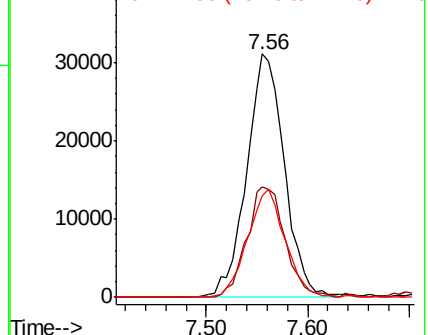
42 100

72 45.9 34.8 52.2

71 44.1 33.5 50.3



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 55.388 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066331.D

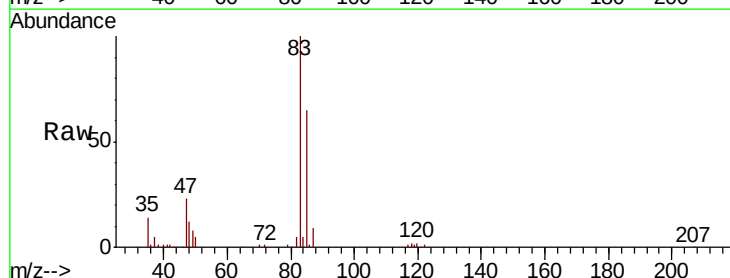
Acq: 19 Aug 2020 22:43

Tgt Ion: 83 Resp: 213846

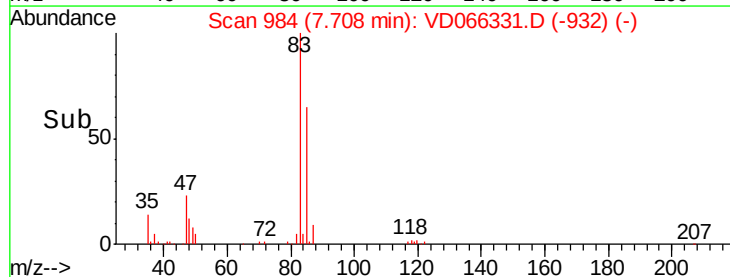
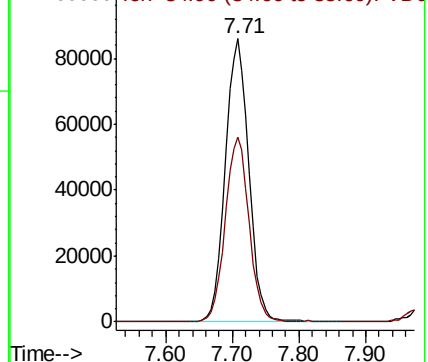
Ion Ratio Lower Upper

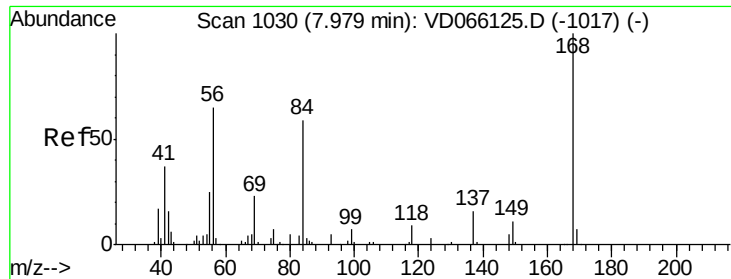
83 100

85 65.3 49.5 74.3



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

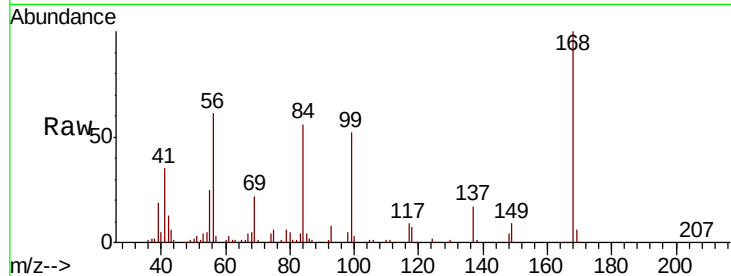




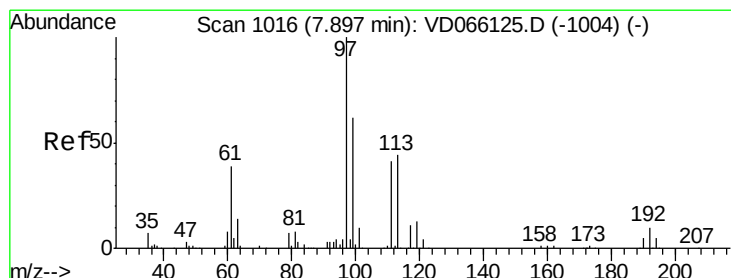
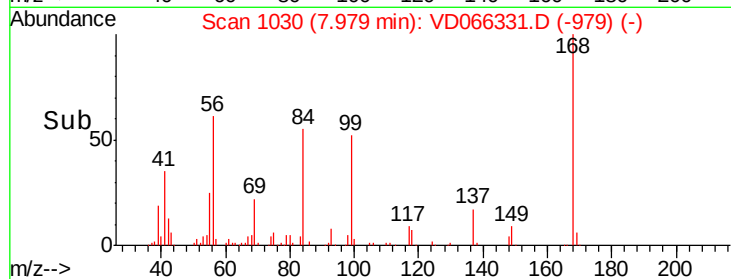
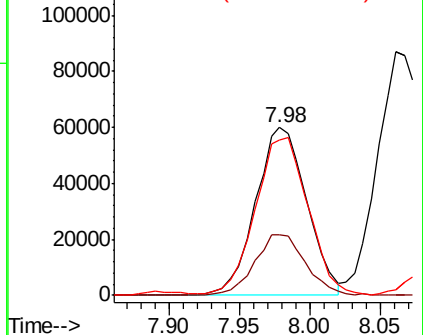
#31
Cyclohexane
Concen: 43.425 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 151989
Ion Ratio Lower Upper
56 100
69 36.0 28.8 43.2
84 91.5 73.0 109.6

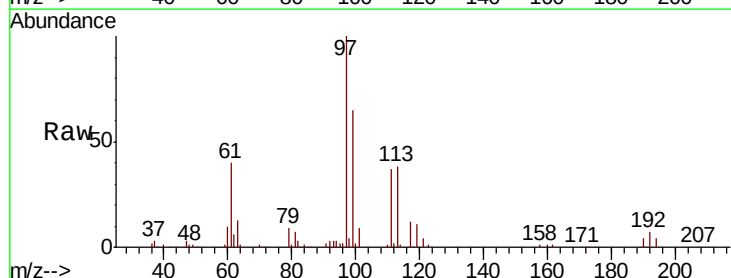


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

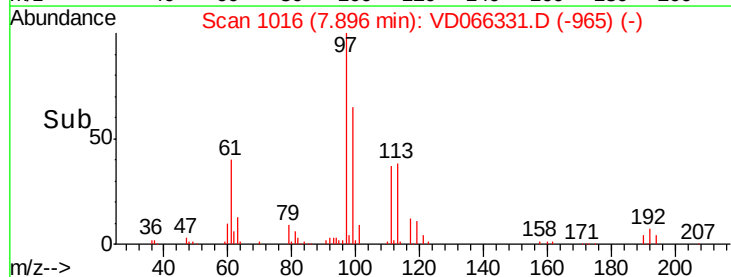
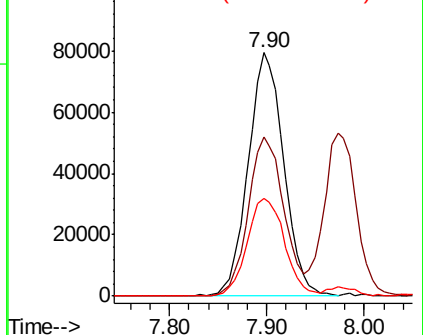


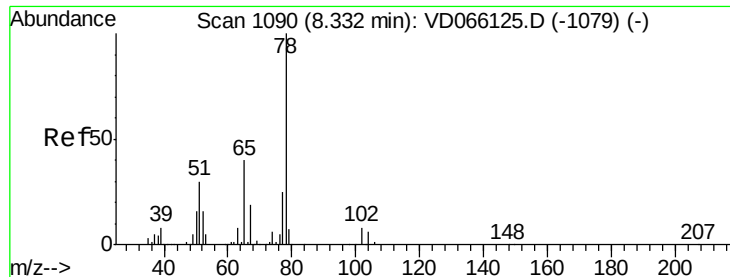
#32
1,1,1-Trichloroethane
Concen: 55.883 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion: 97 Resp: 202295
Ion Ratio Lower Upper
97 100
99 65.4 51.1 76.7
61 42.2 32.7 49.1



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

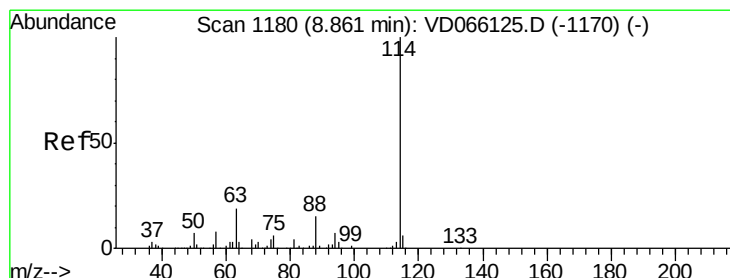
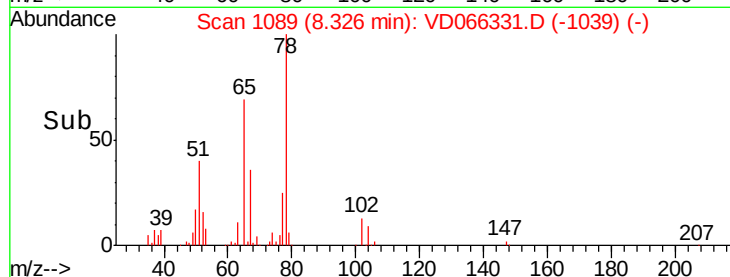
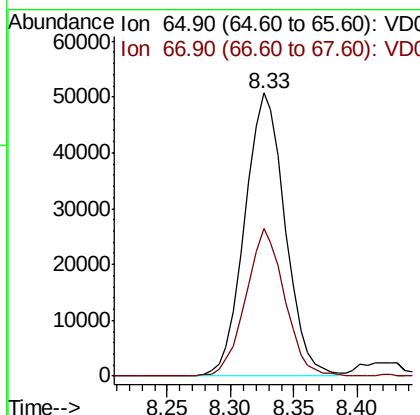
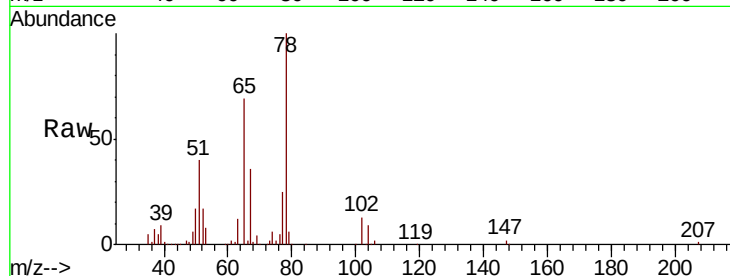




#33
 1,2-Dichloroethane-d4
 Concen: 56.275 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

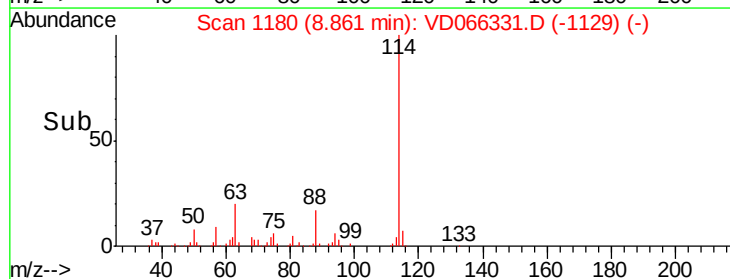
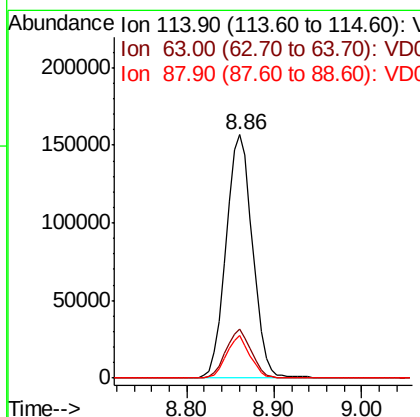
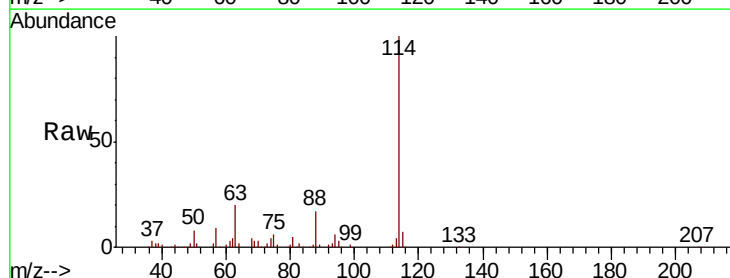
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

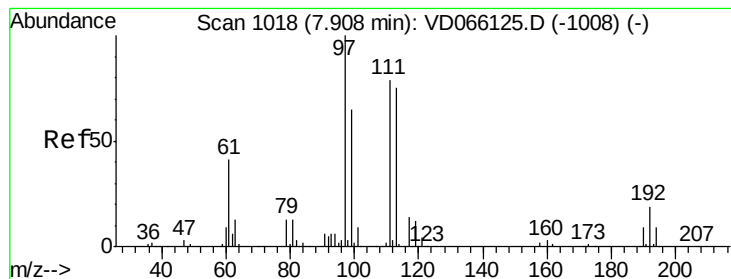
Tot Ion: 65 Resp: 112427
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion: 114 Resp: 324087
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.6
 88 17.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.026 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

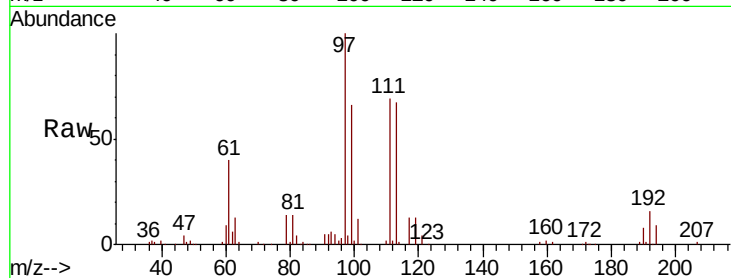
Tot Ion:113 Resp: 110919

Ion Ratio Lower Upper

113 100

111 101.9 80.7 121.1

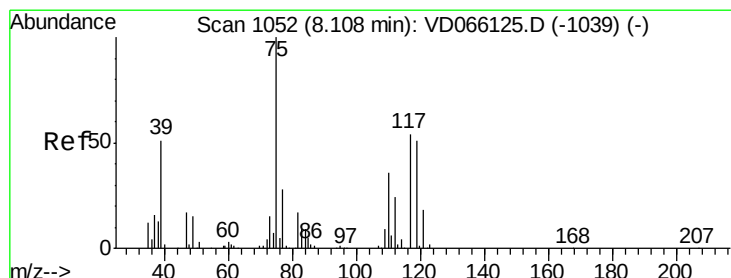
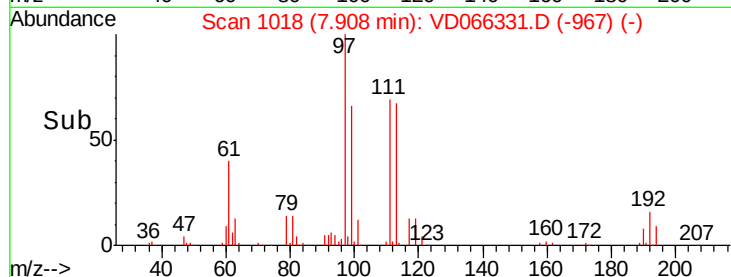
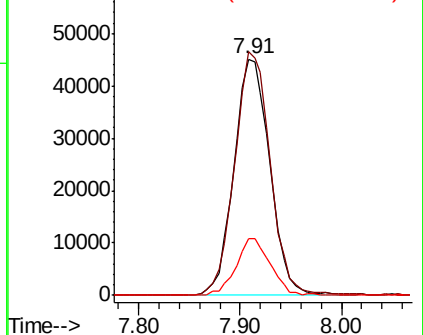
192 23.1 18.4 27.6



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: 50.173 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

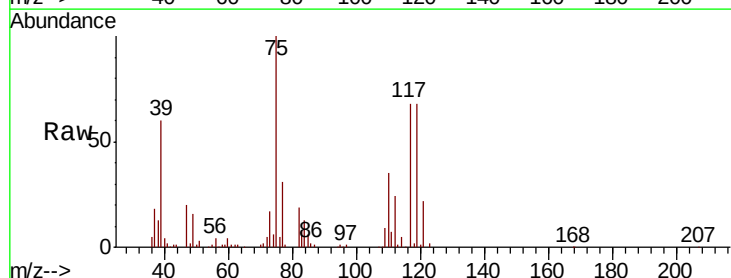
Tgt Ion: 75 Resp: 152798

Ion Ratio Lower Upper

75 100

110 37.6 18.8 56.3

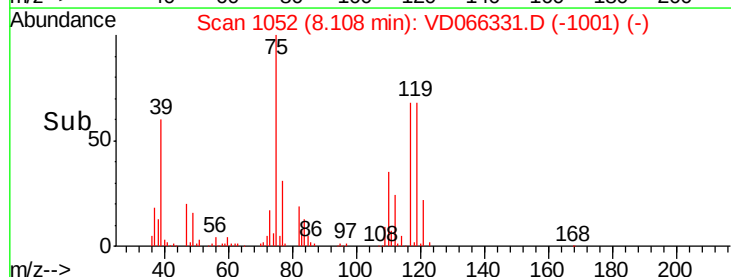
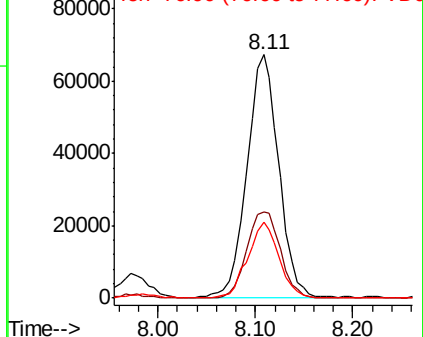
77 31.0 24.2 36.2

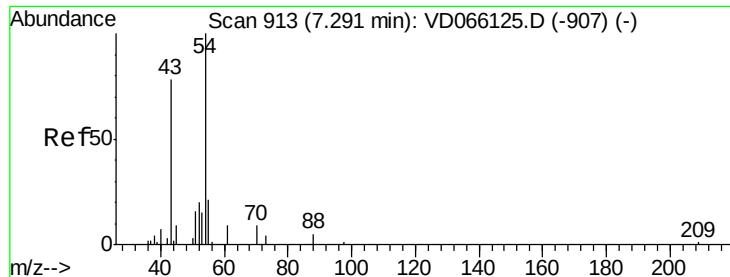


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

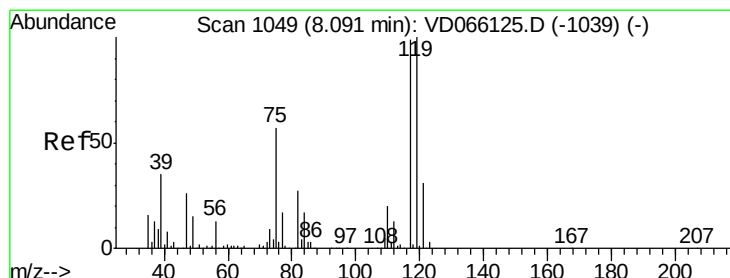
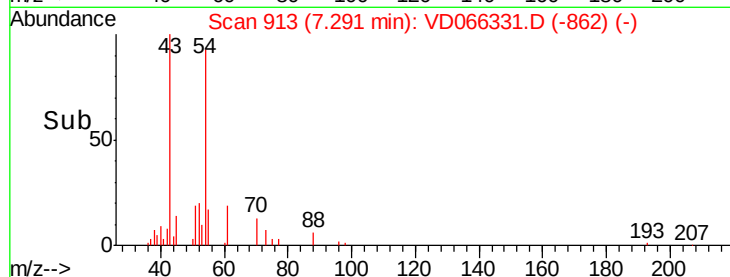
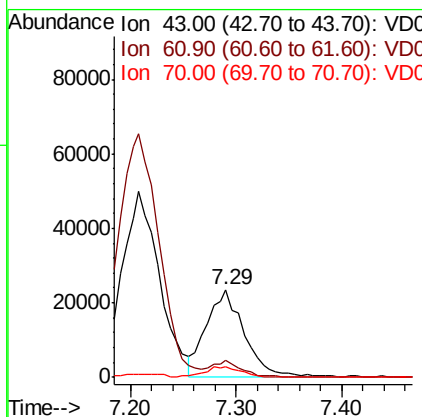
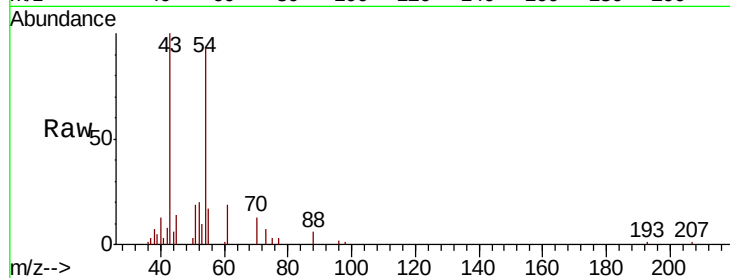




#37
Ethyl Acetate
Concen: 48.031 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

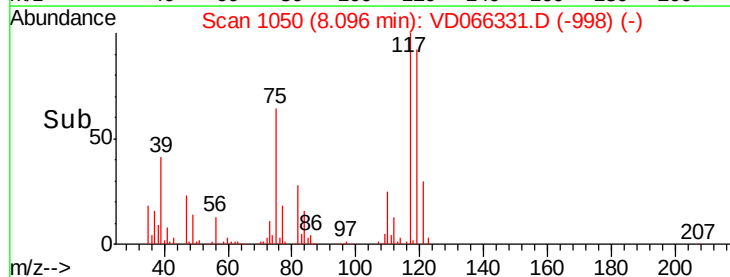
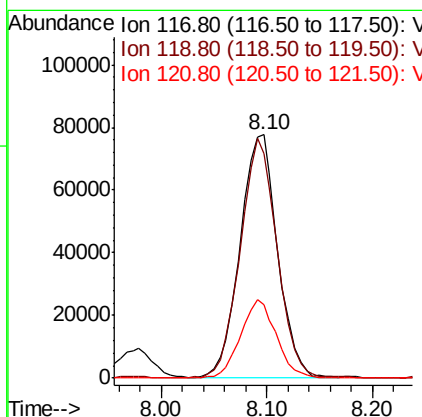
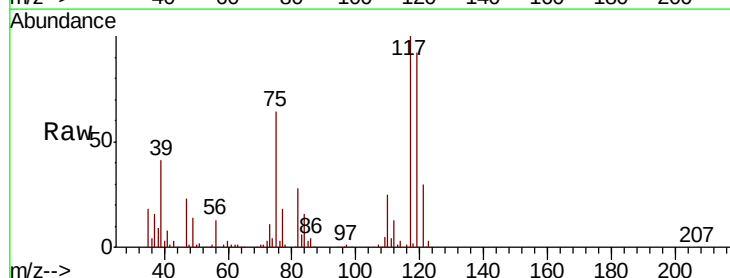
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

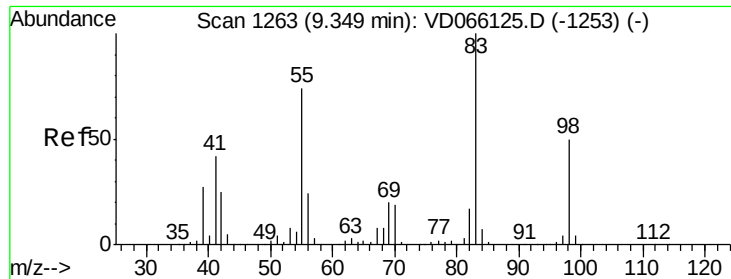
Tot Ion: 43 Resp: 57956
Ion Ratio Lower Upper
43 100
61 16.2 12.0 18.0
70 11.9 9.7 14.5



#38
Carbon Tetrachloride
Concen: 56.545 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion: 117 Resp: 192034
Ion Ratio Lower Upper
117 100
119 92.4 81.0 121.4
121 29.9 24.8 37.2

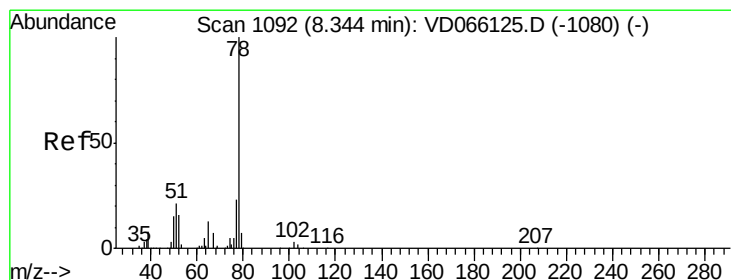
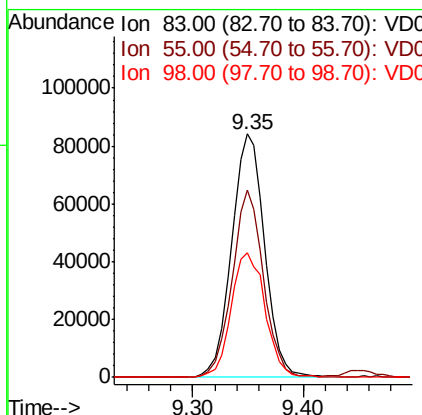
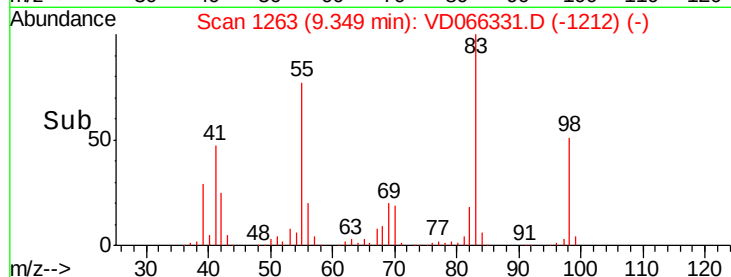
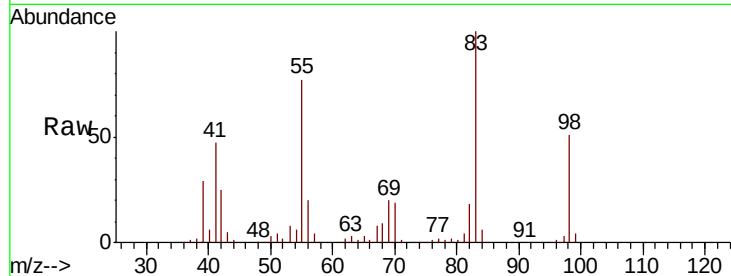




#39
Methylvlcyclohexane
Concen: 47.891 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

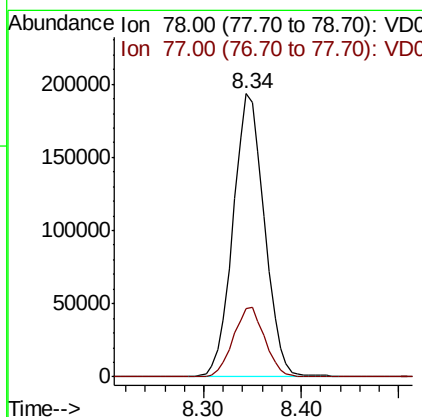
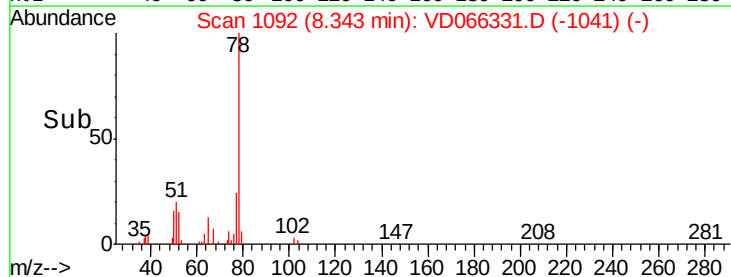
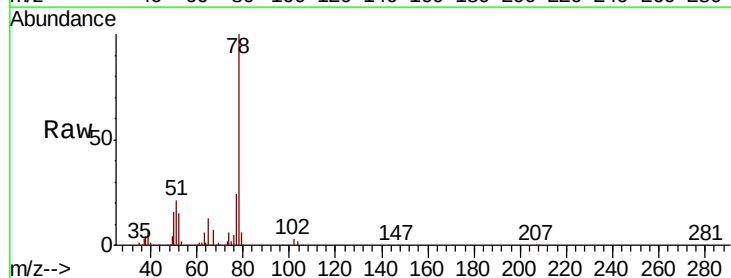
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

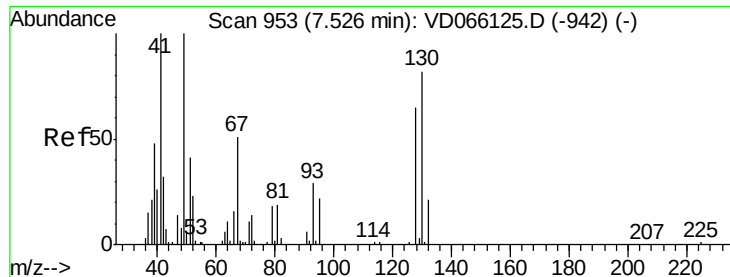
Tot Ion: 83 Resp: 176309
Ion Ratio Lower Upper
83 100
55 77.0 59.2 88.8
98 51.1 39.8 59.6



#40
Benzene
Concen: 51.165 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion: 78 Resp: 432256
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8

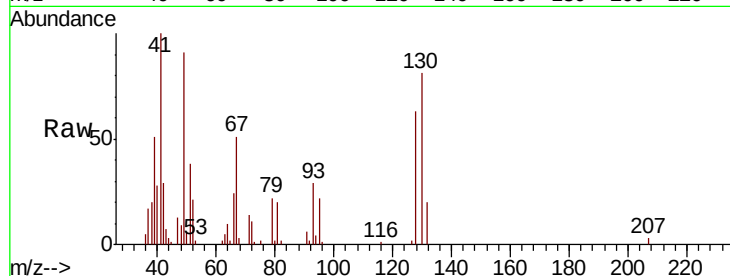




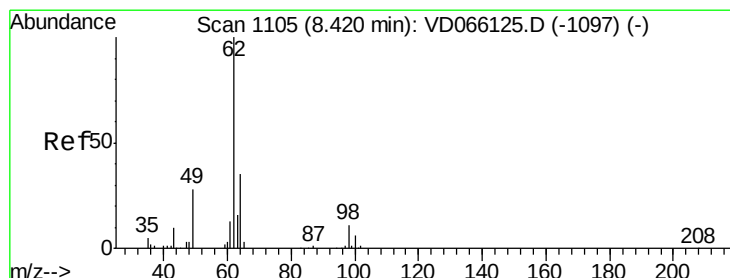
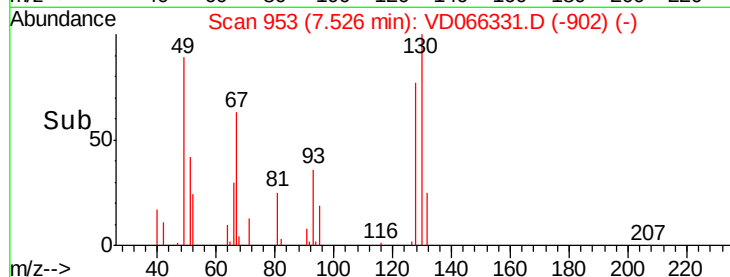
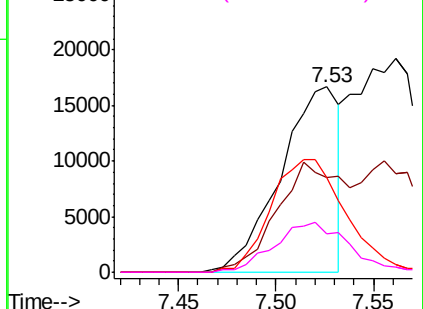
#41
Methacrylonitrile
Concen: 49.107 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	34840
Ion	Ratio	Lower	Upper
41	100		
39	67.2	47.5	71.3
67	78.0	59.1	88.7
52	34.5	25.4	38.0

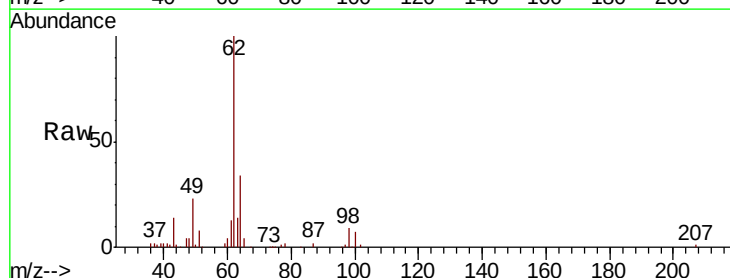


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

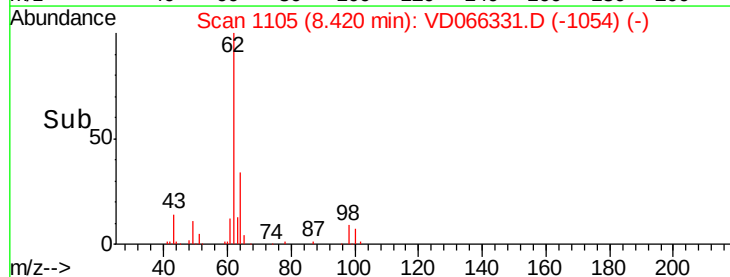
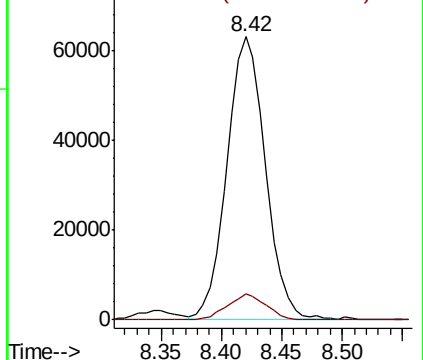


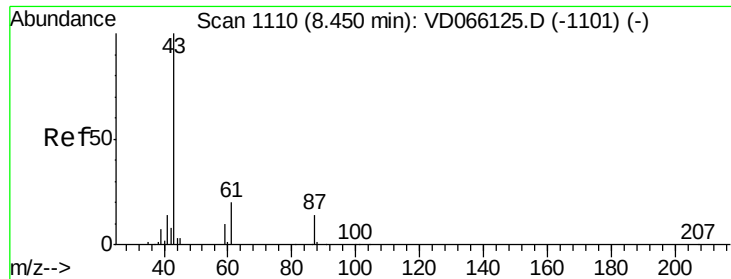
#42
1,2-Dichloroethane
Concen: 56.216 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion:	62	Resp:	139522
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.730 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

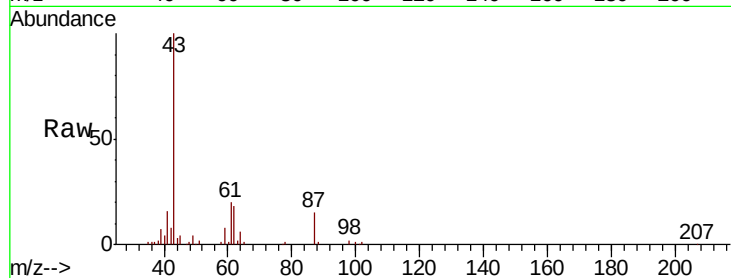
Tot Ion: 43 Resp: 118231

Ion Ratio Lower Upper

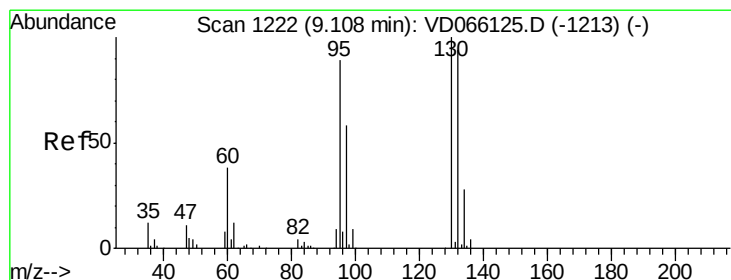
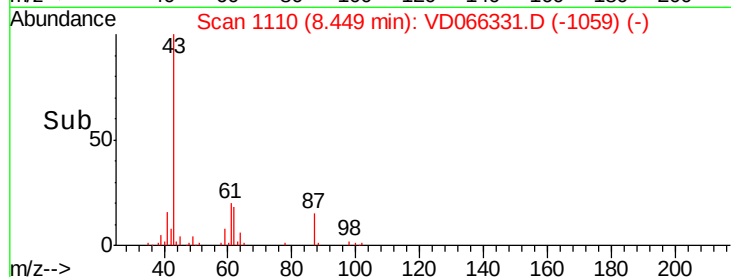
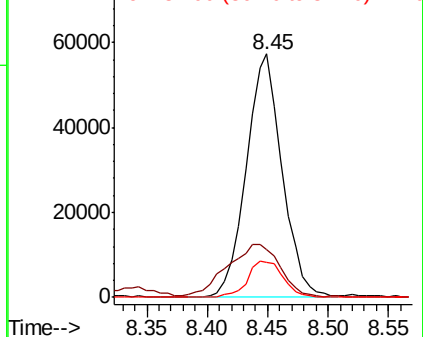
43 100

61 32.1 25.5 38.3

87 14.8 11.2 16.8



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: 52.700 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066331.D

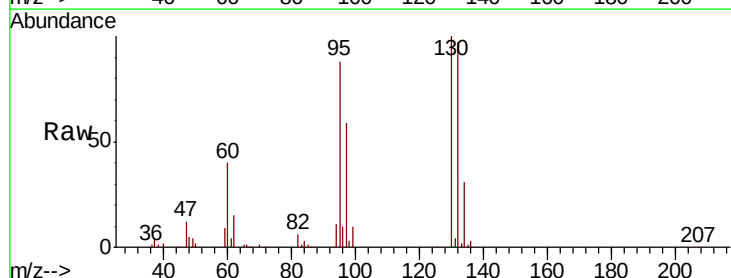
Acq: 19 Aug 2020 22:43

Tgt Ion:130 Resp: 134161

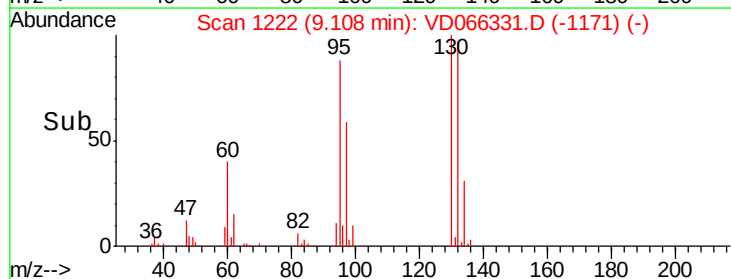
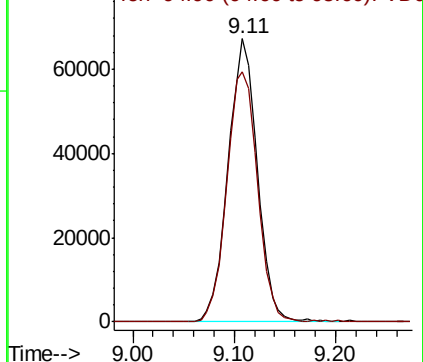
Ion Ratio Lower Upper

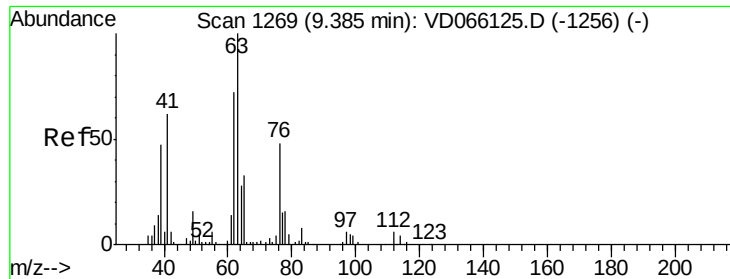
130 100

95 88.3 0.0 178.4



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

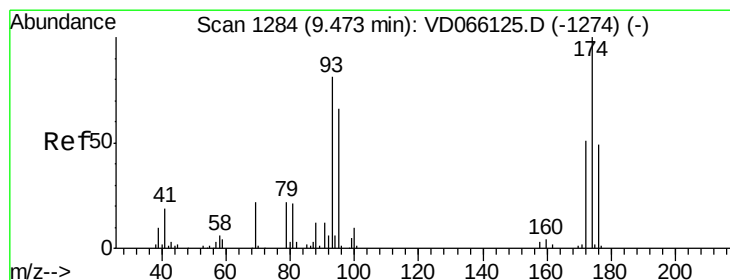
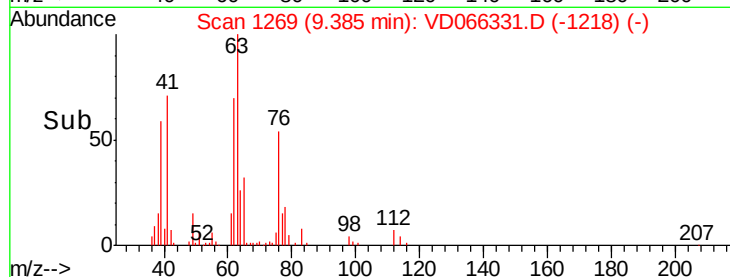
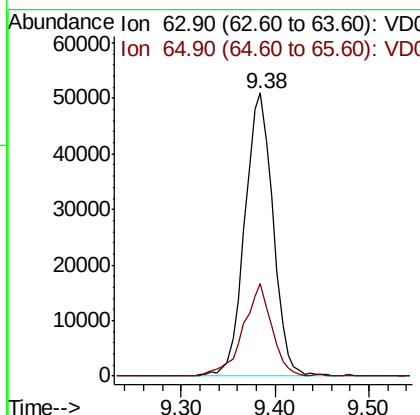
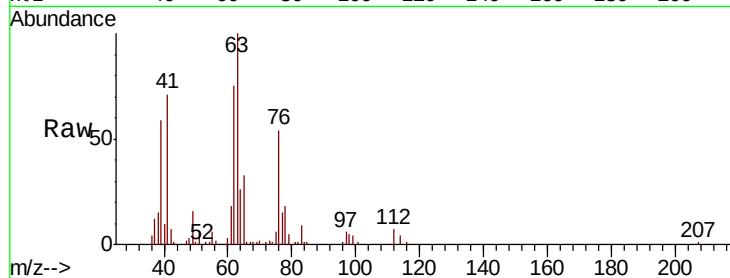




#45
 1,2-Dichloropropane
 Concen: 51.416 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

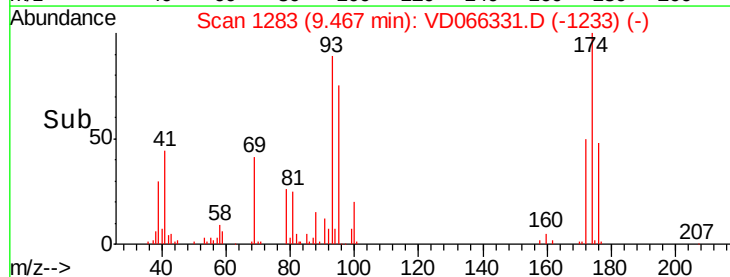
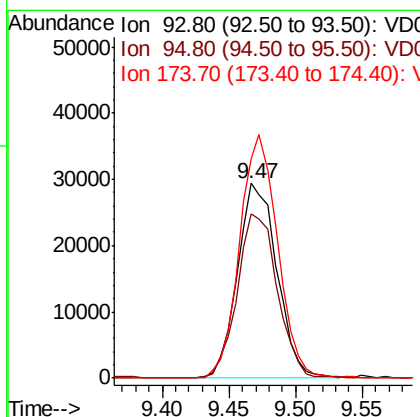
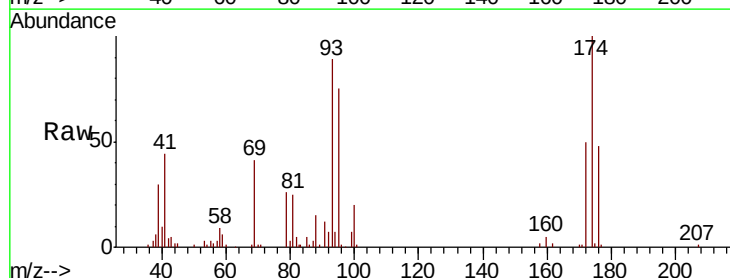
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

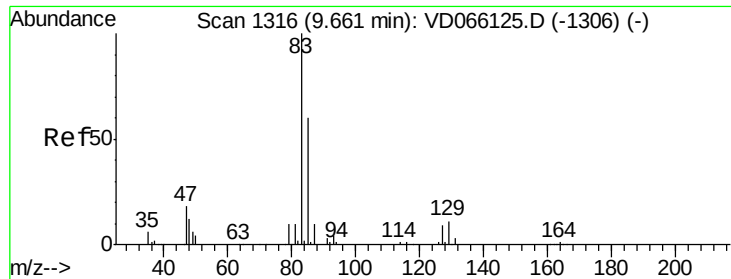
Tot Ion: 63 Resp: 106237
 Ion Ratio Lower Upper
 63 100
 65 32.8 26.5 39.7



#46
 Dibromomethane
 Concen: 52.917 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion: 93 Resp: 60226
 Ion Ratio Lower Upper
 93 100
 95 85.6 65.8 98.6
 174 119.8 92.8 139.2





#47

Bromodichloromethane

Concen: 56.625 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

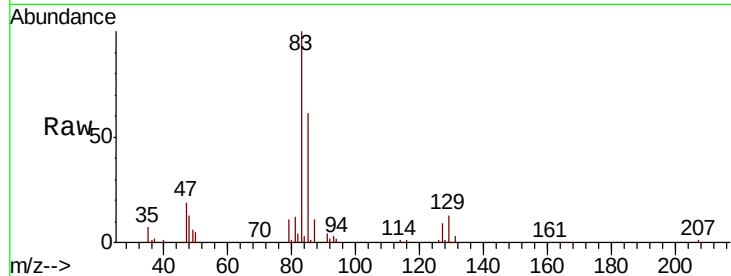
Tot Ion: 83 Resp: 170331

Ion Ratio Lower Upper

83 100

85 60.7 48.2 72.4

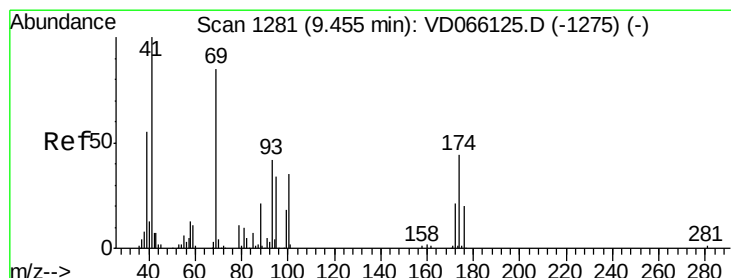
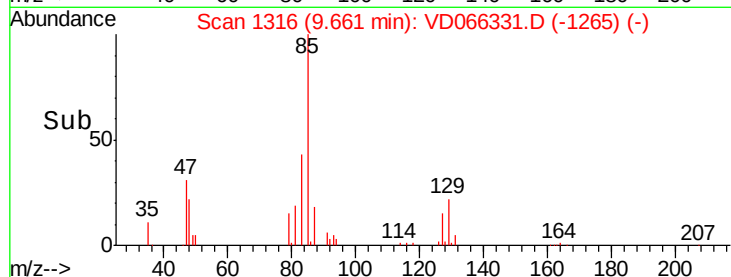
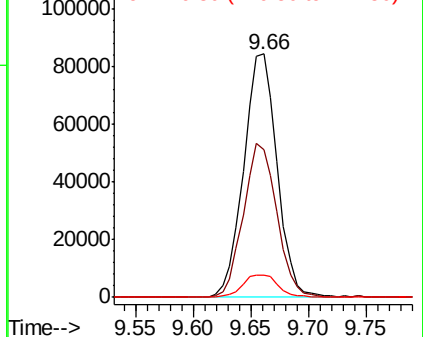
127 9.1 7.3 10.9



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: 45.455 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

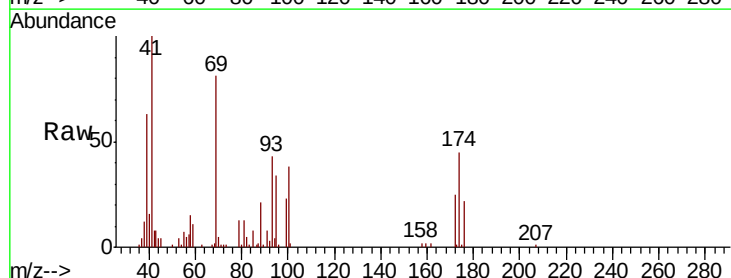
Tgt Ion: 41 Resp: 55181

Ion Ratio Lower Upper

41 100

69 96.5 63.9 95.9#

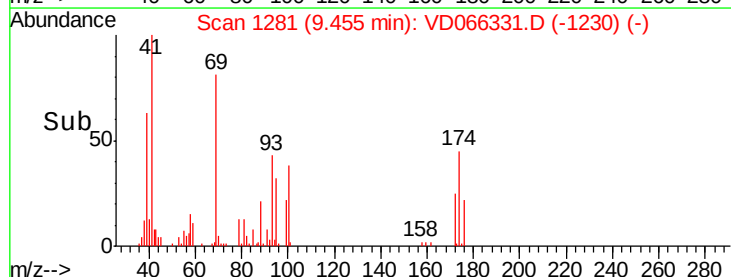
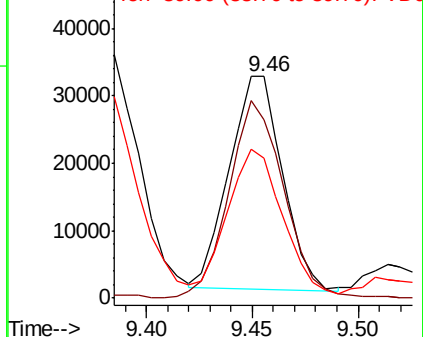
39 74.4 42.6 64.0#

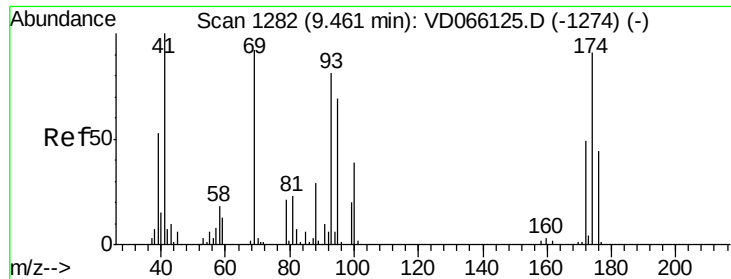


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

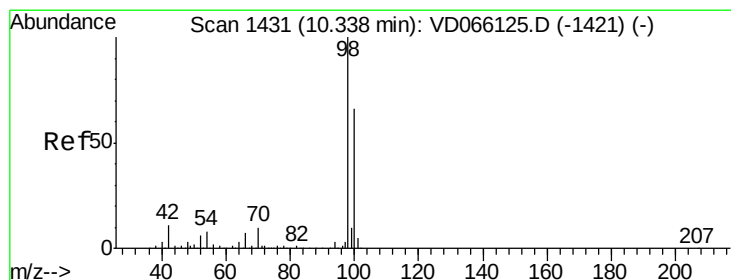
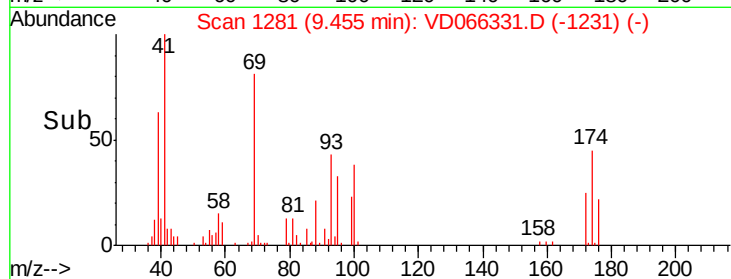
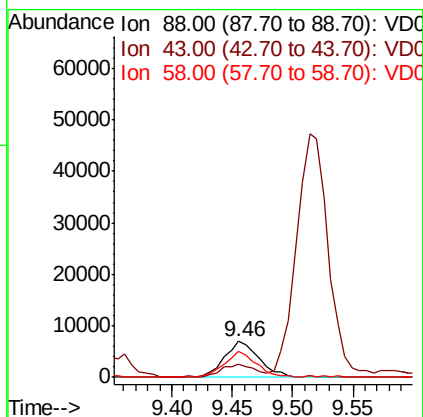
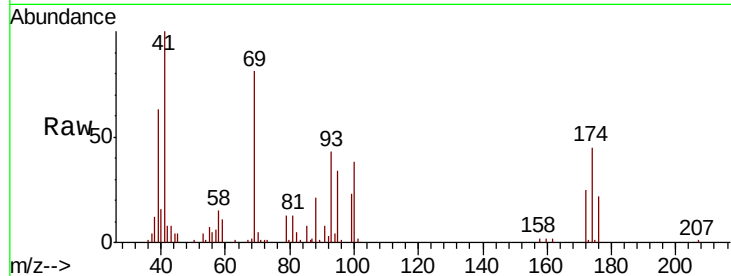




#49
 1,4-Dioxane
 Concen: 954.582 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

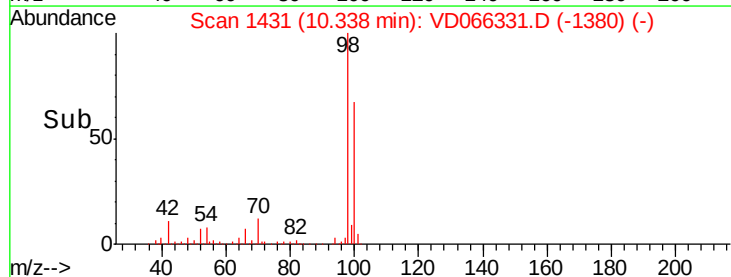
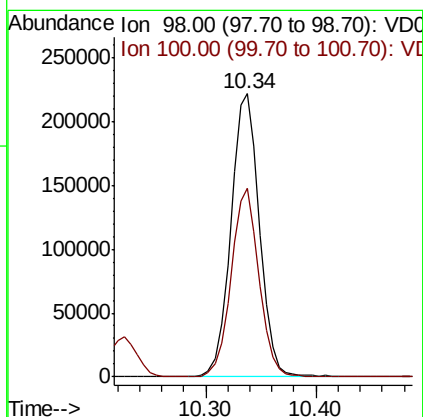
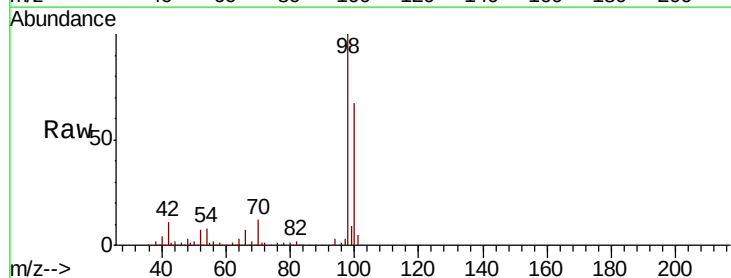
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

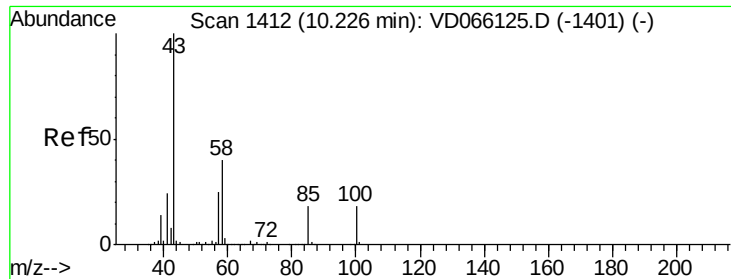
Tot Ion: 88 Resp: 13958
 Ion Ratio Lower Upper
 88 100
 43 35.3 27.5 41.3
 58 67.6 50.2 75.4



#50
 Toluene-d8
 Concen: 52.833 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion: 98 Resp: 400274
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 244.013 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

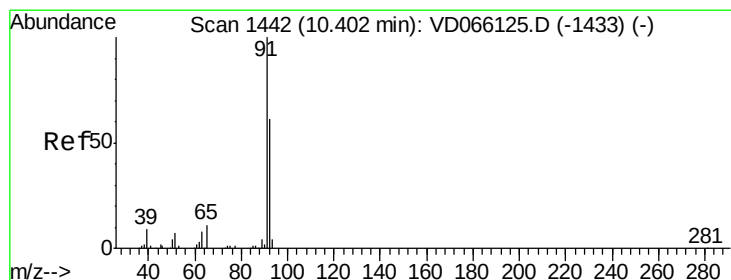
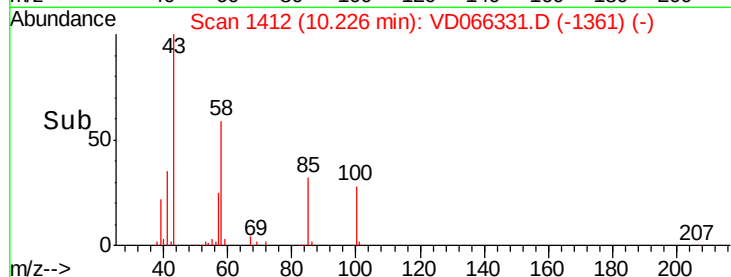
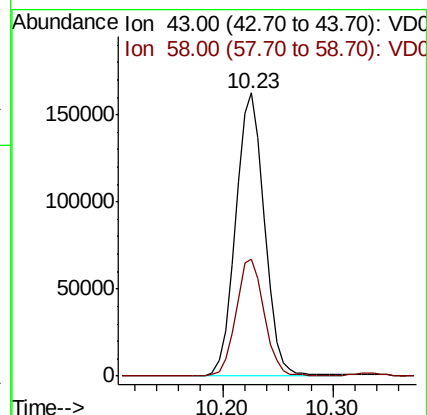
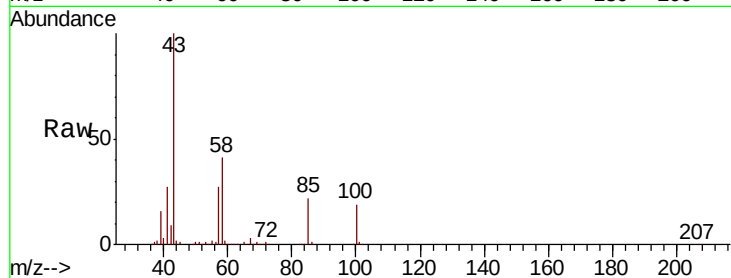
VSTDCCC050

Tot Ion: 43 Resp: 297987

Ion Ratio Lower Upper

43 100

58 40.3 31.1 46.7



#52

Toluene

Concen: 53.152 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066331.D

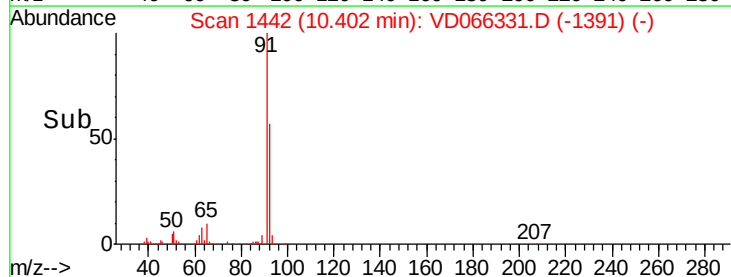
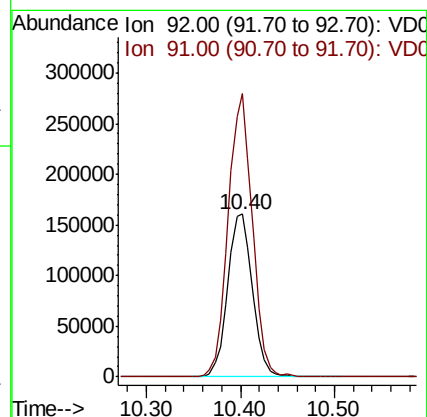
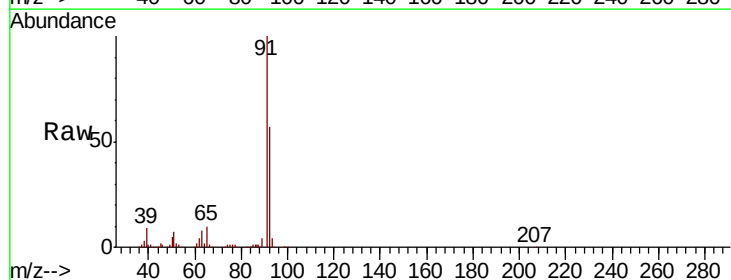
Acq: 19 Aug 2020 22:43

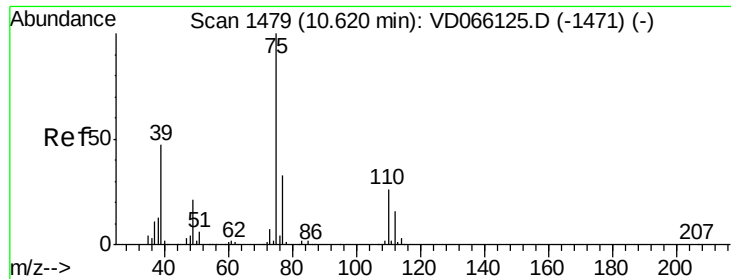
Tgt Ion: 92 Resp: 295477

Ion Ratio Lower Upper

92 100

91 169.2 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 54.581 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

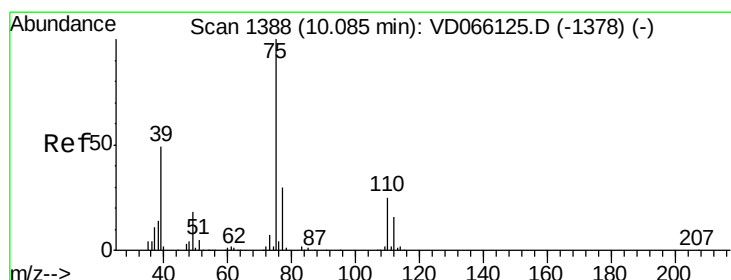
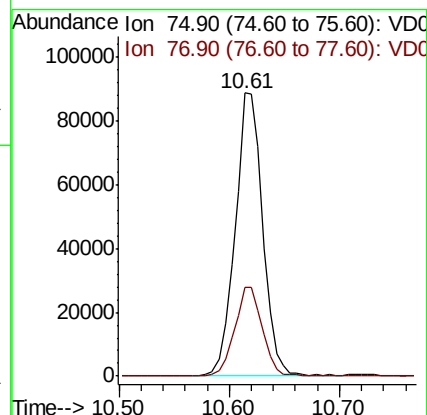
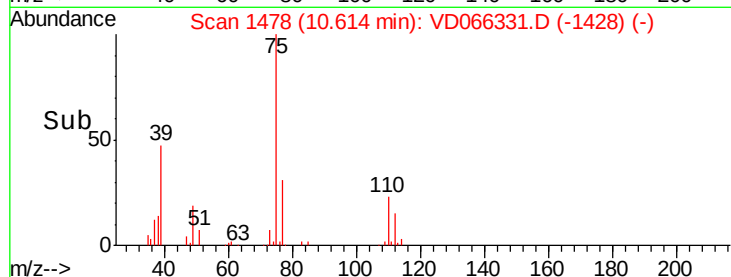
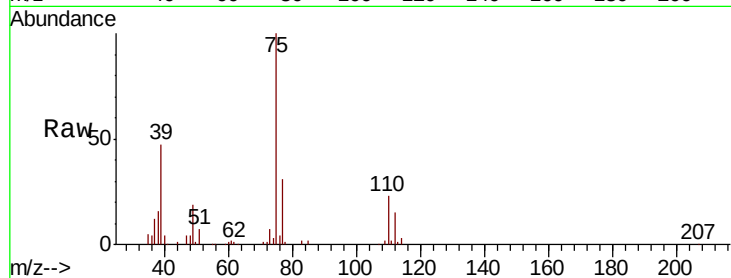
VSTDCCC050

Tot Ion: 75 Resp: 155810

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 52.448 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

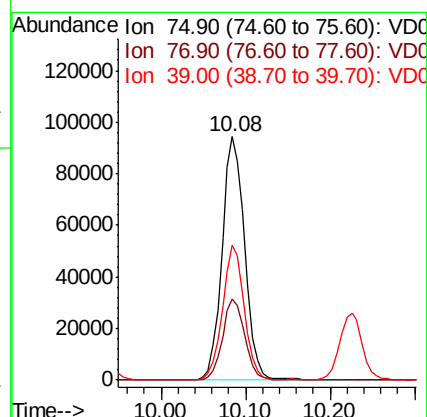
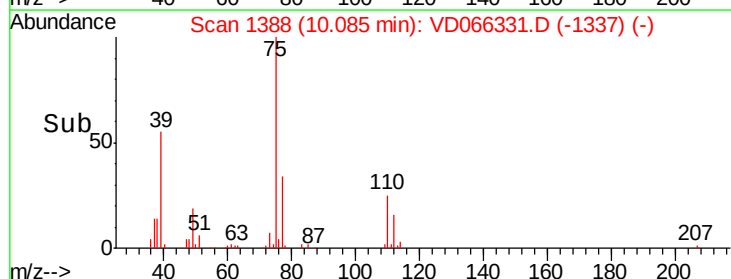
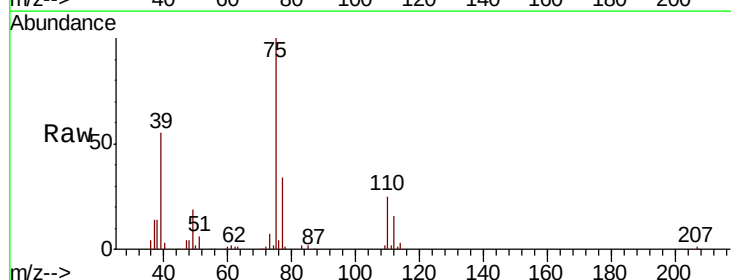
Tgt Ion: 75 Resp: 175419

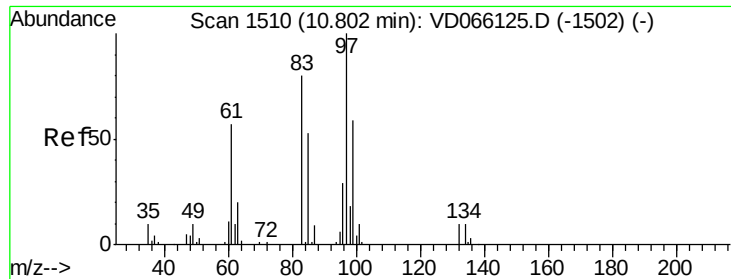
Ion Ratio Lower Upper

75 100

77 33.5 24.3 36.5

39 55.3 39.3 58.9

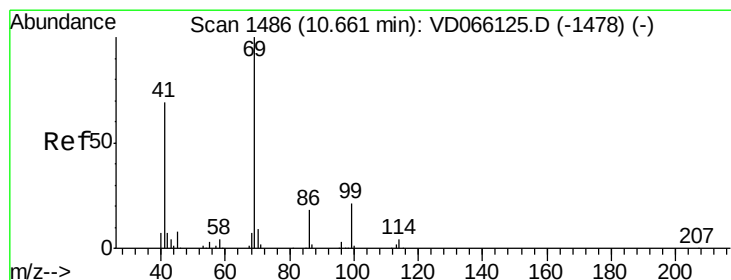
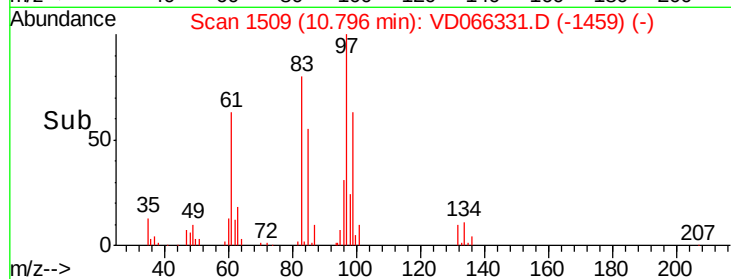
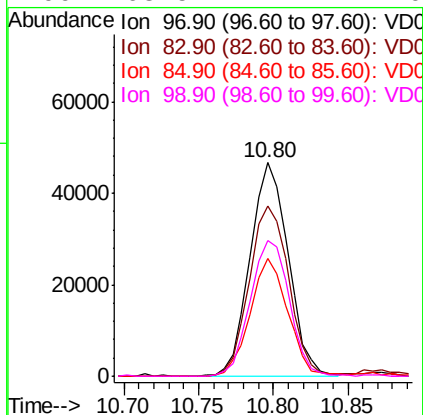
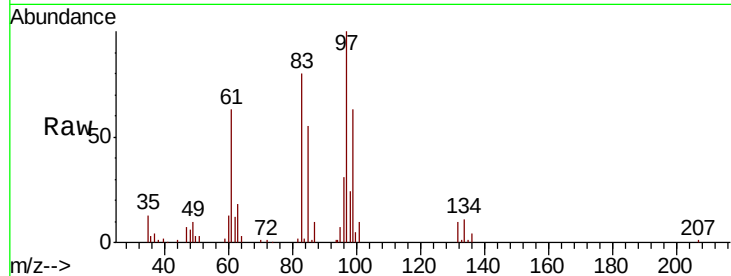




#55
 1,1,2-Trichloroethane
 Concen: 50.582 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

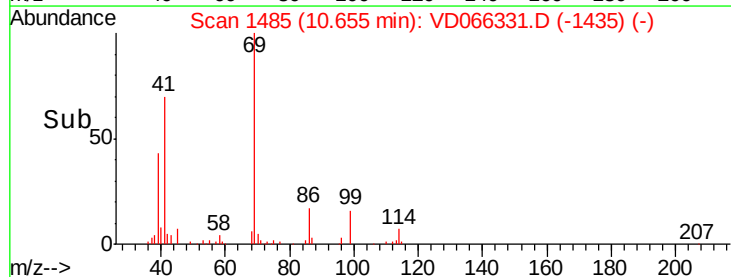
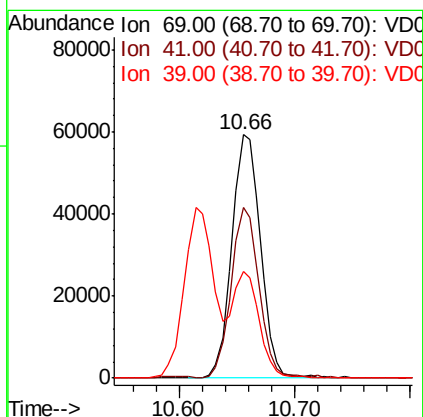
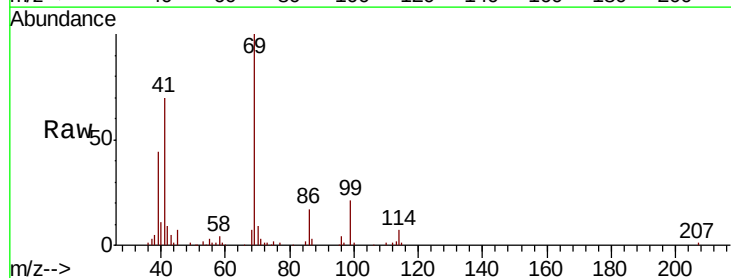
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

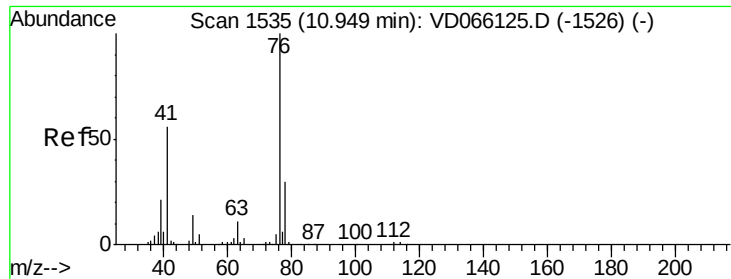
Tot Ion:	97	Resp:	82897
Ion	Ratio	Lower	Upper
97	100		
83	79.6	63.9	95.9
85	54.9	42.5	63.7
99	63.5	47.4	71.0



#56
 Ethyl methacrylate
 Concen: 52.046 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion:	69	Resp:	102464
Ion	Ratio	Lower	Upper
69	100		
41	67.0	54.1	81.1
39	41.8	28.6	43.0





#57

1,3-Dichloropropane

Concen: 52.663 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

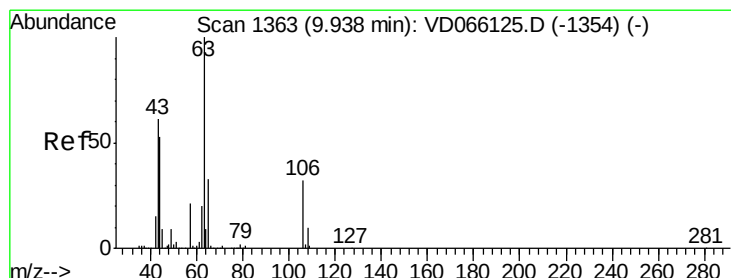
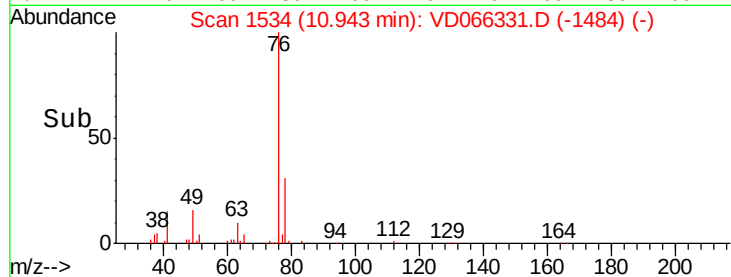
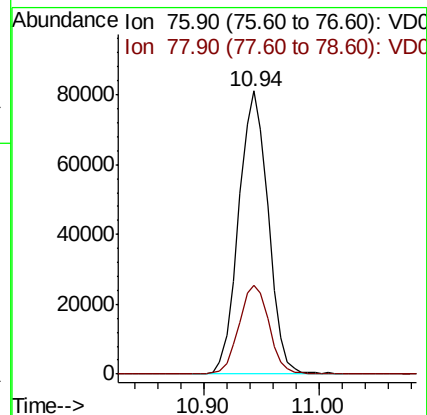
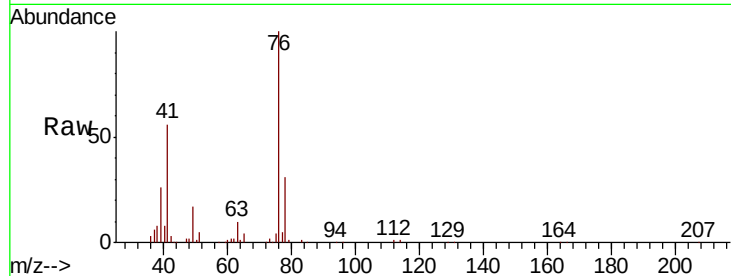
VSTDCCC050

Tot Ion: 76 Resp: 143281

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 271.019 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066331.D

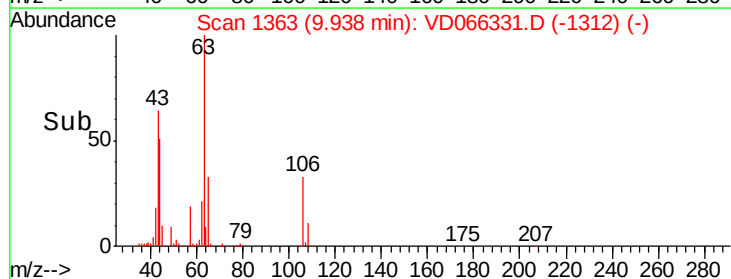
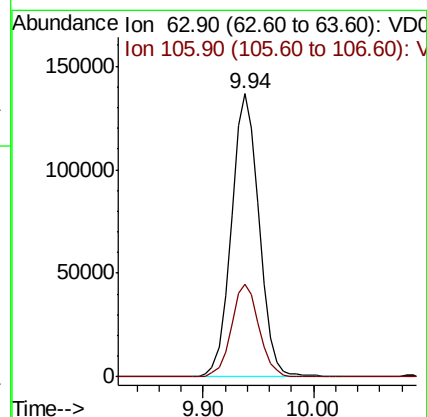
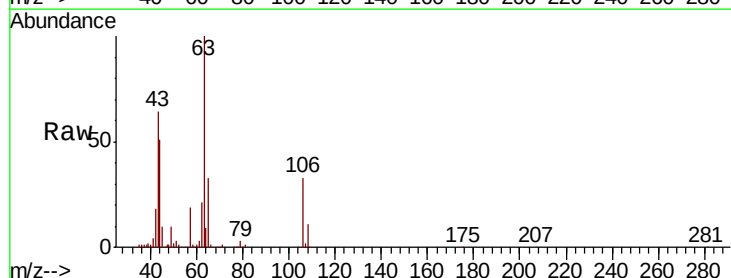
Acq: 19 Aug 2020 22:43

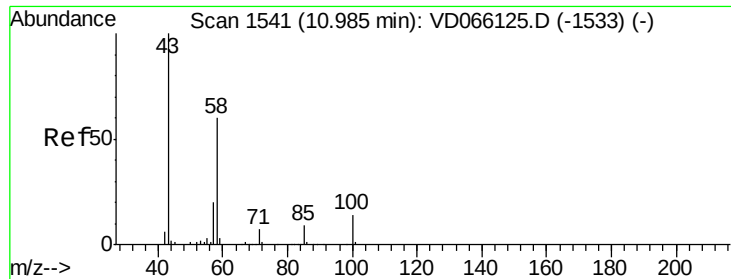
Tgt Ion: 63 Resp: 240005

Ion Ratio Lower Upper

63 100

106 32.6 25.3 37.9

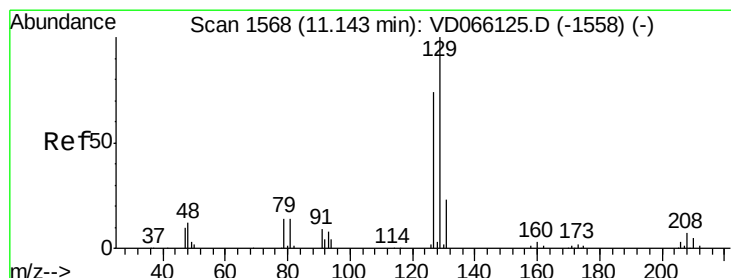
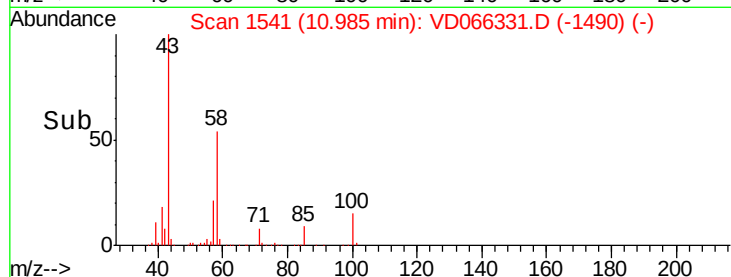
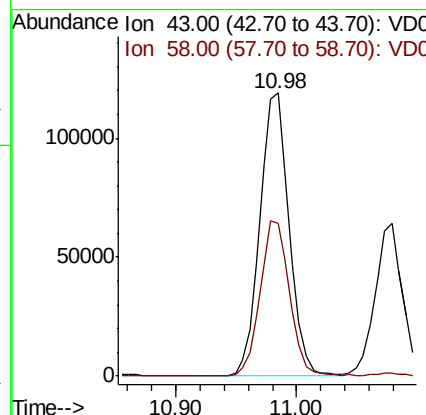
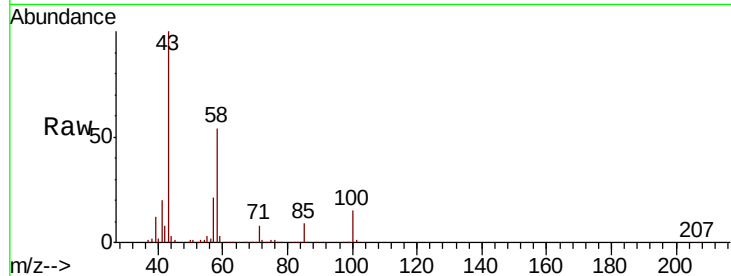




#59
2-Hexanone
Concen: 235.027 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

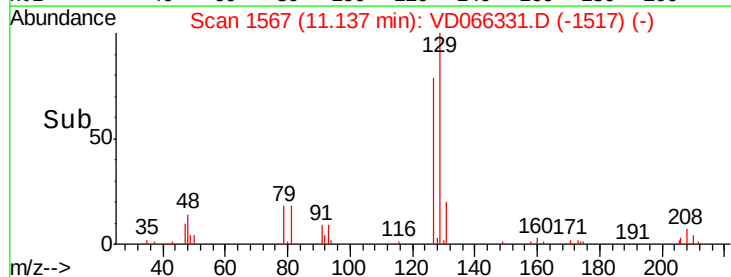
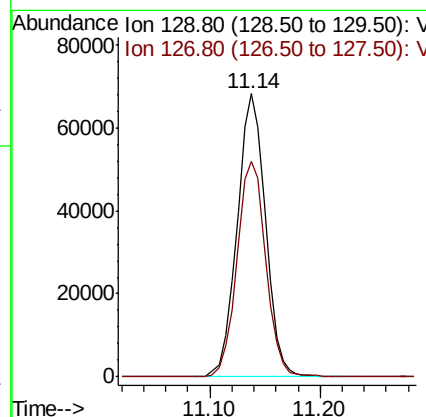
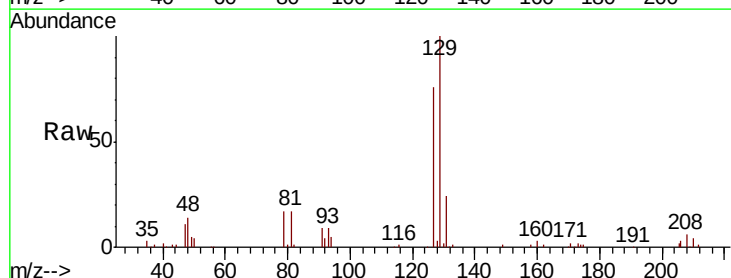
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

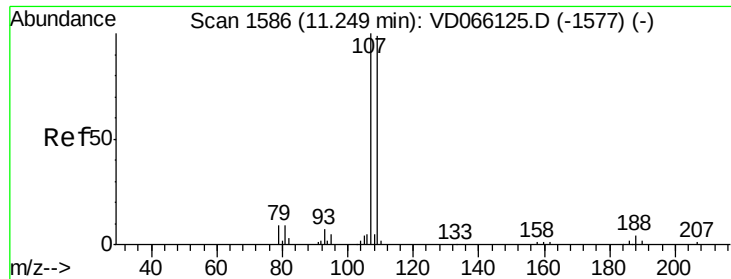
Tot Ion: 43 Resp: 201431
Ion Ratio Lower Upper
43 100
58 55.2 27.8 83.4



#60
Dibromochloromethane
Concen: 54.263 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion: 129 Resp: 122774
Ion Ratio Lower Upper
129 100
127 77.7 38.0 114.1

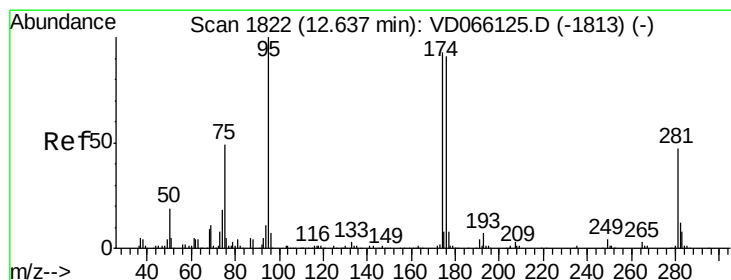
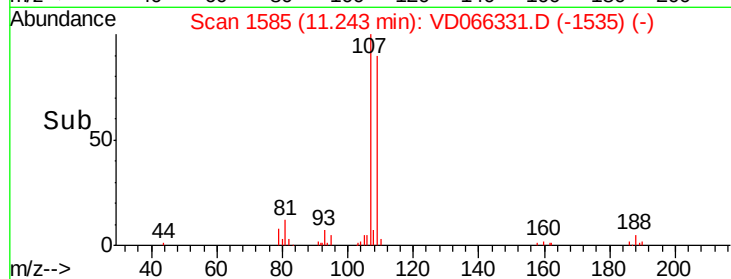
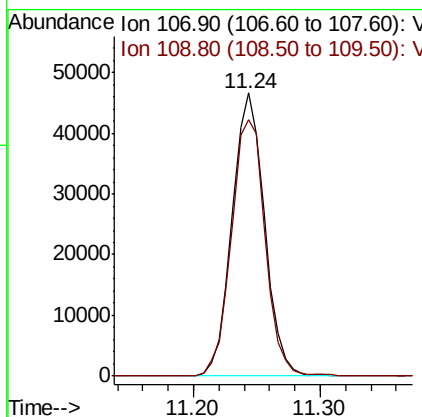
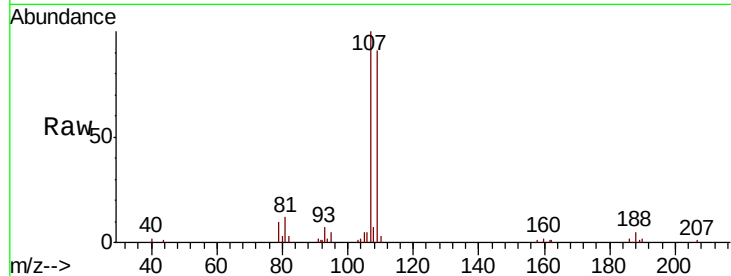




#61
 1,2-Dibromoethane
 Concen: 52.364 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

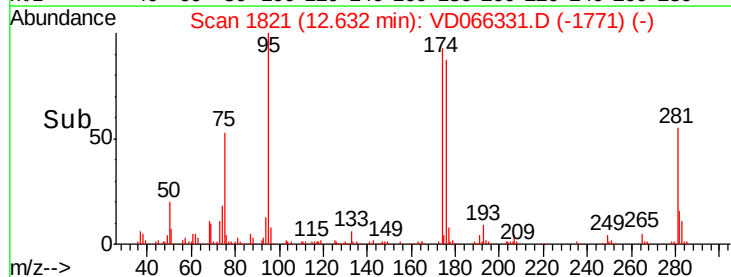
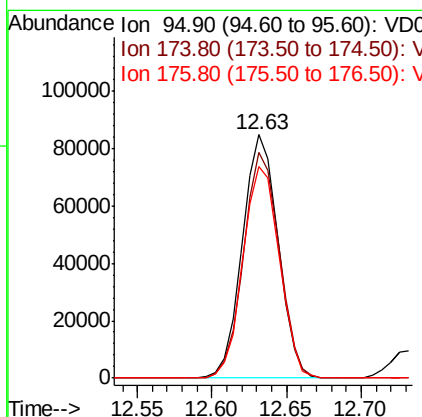
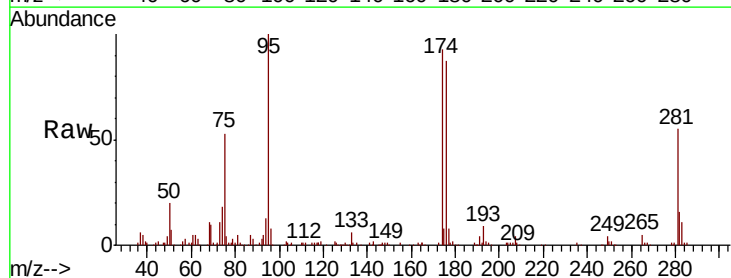
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

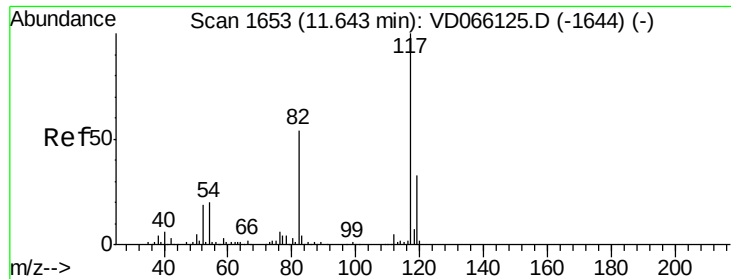
Tot Ion:107 Resp: 82530
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 51.316 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion: 95 Resp: 140141
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 180.8
 176 89.0 0.0 181.2

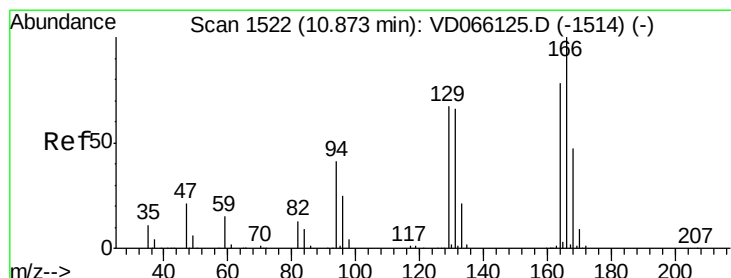
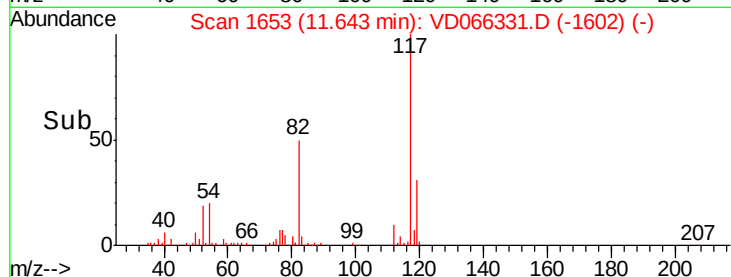
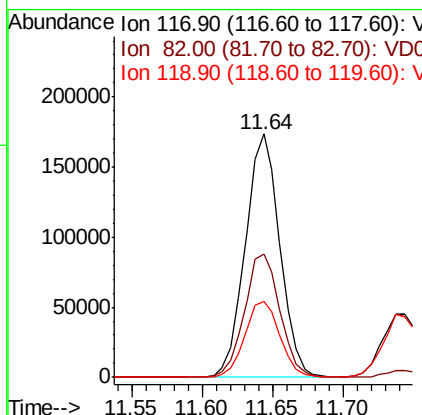
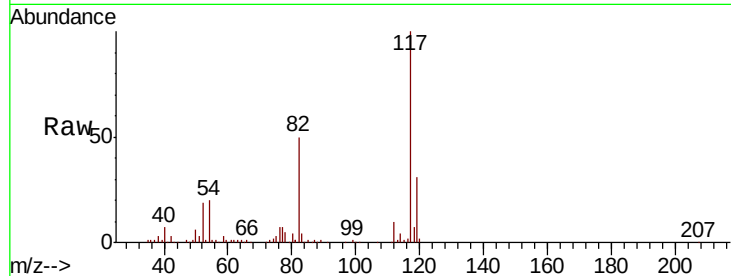




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

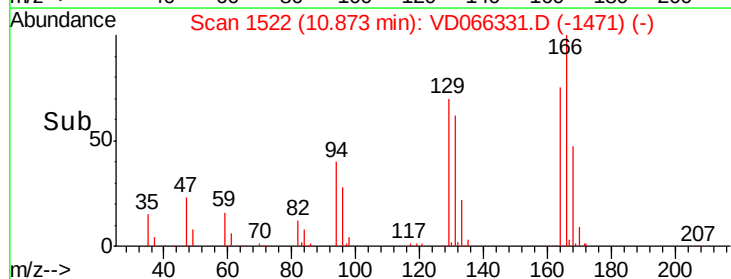
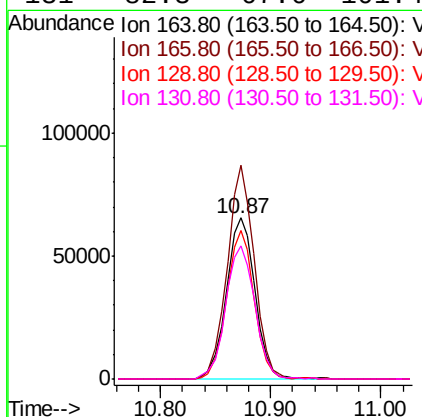
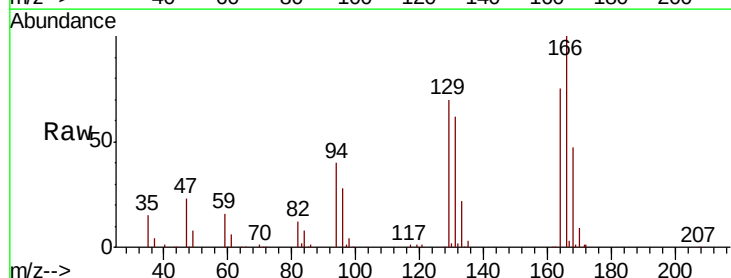
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

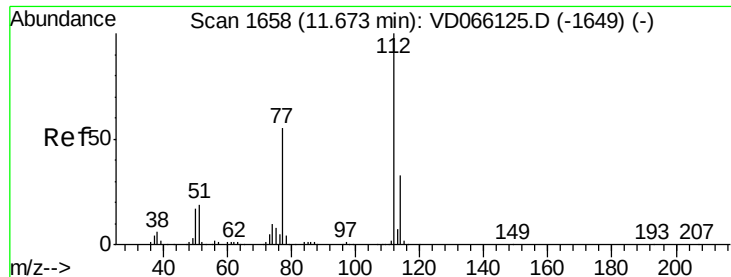
Tot Ion:117 Resp: 297720
Ion Ratio Lower Upper
117 100
82 50.4 43.0 64.4
119 31.2 26.1 39.1



#64
Tetrachloroethene
Concen: 52.022 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion:164 Resp: 118931
Ion Ratio Lower Upper
164 100
166 132.5 101.9 152.9
129 92.3 68.1 102.1
131 82.3 67.6 101.4

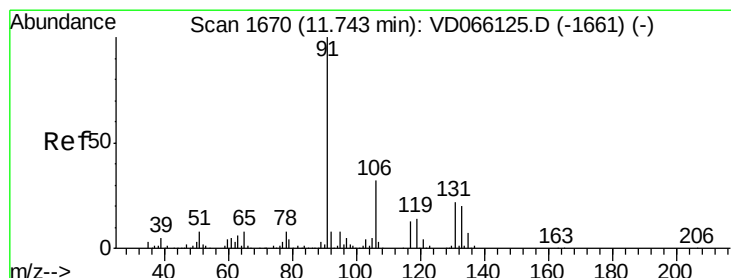
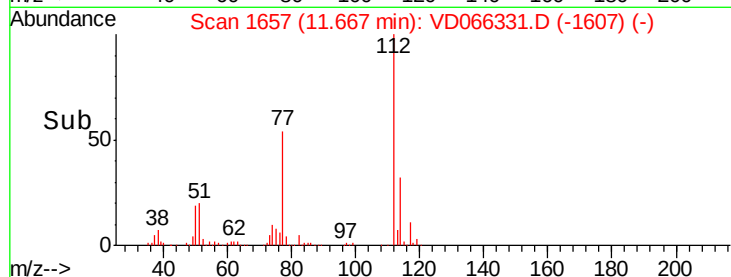
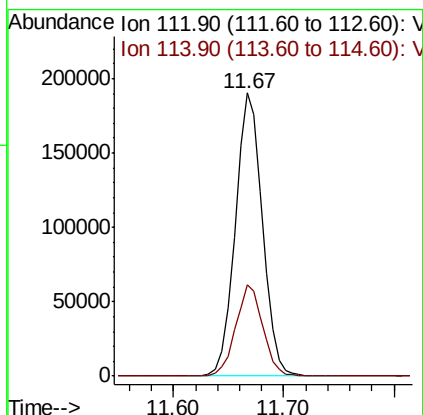
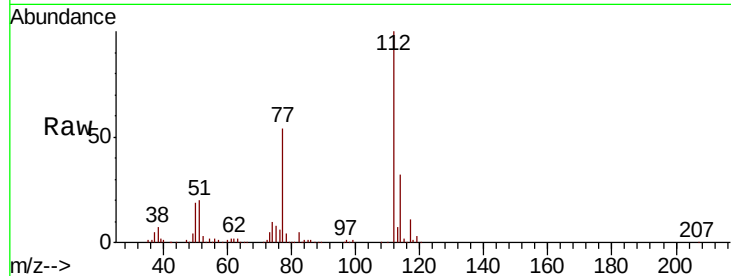




#65
Chlorobenzene
Concen: 54.199 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

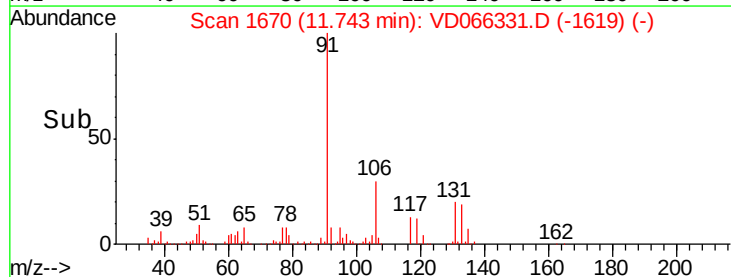
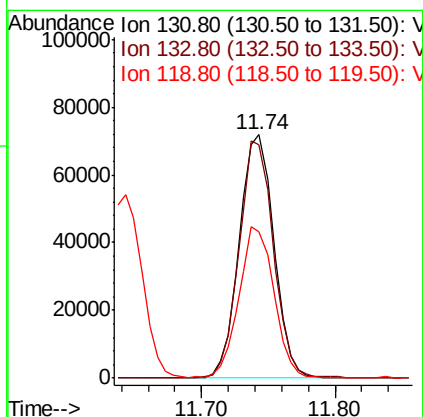
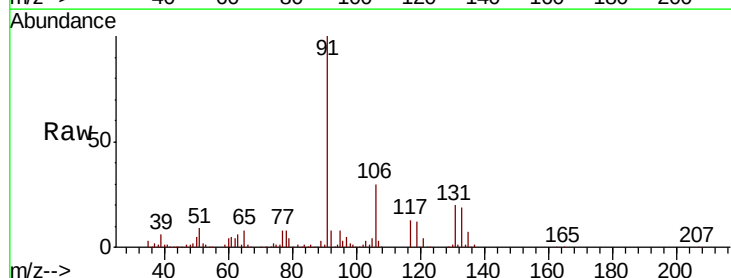
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

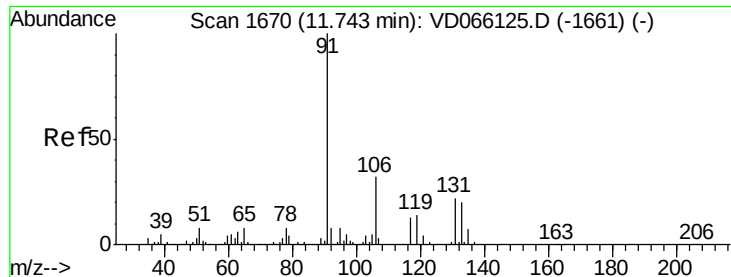
Tot Ion:112 Resp: 327566
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 54.549 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion:131 Resp: 128997
Ion Ratio Lower Upper
131 100
133 96.6 47.1 141.4
119 62.9 31.6 94.7

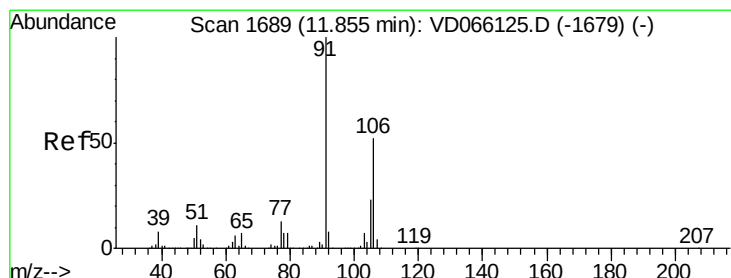
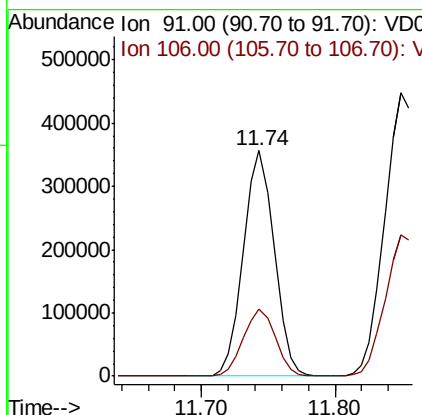
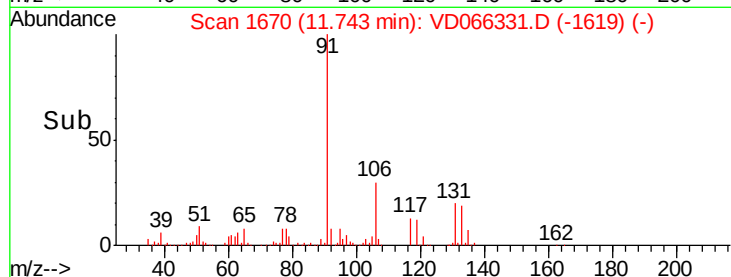
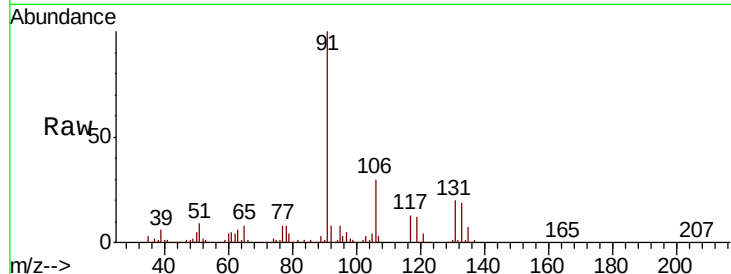




#67
Ethyl Benzene
Concen: 54.520 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

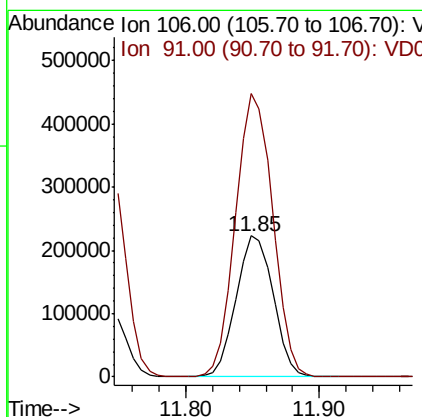
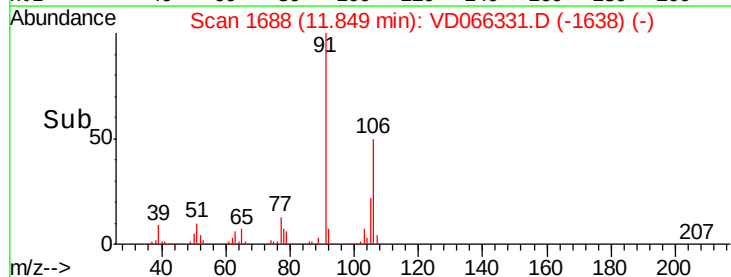
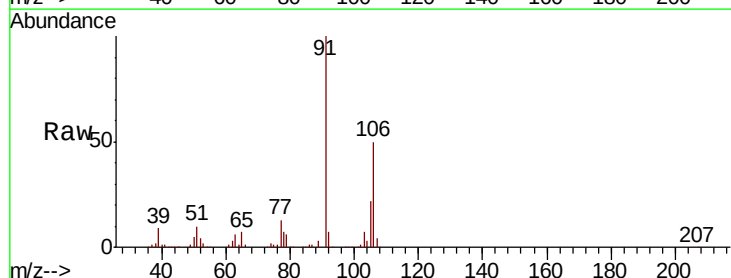
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

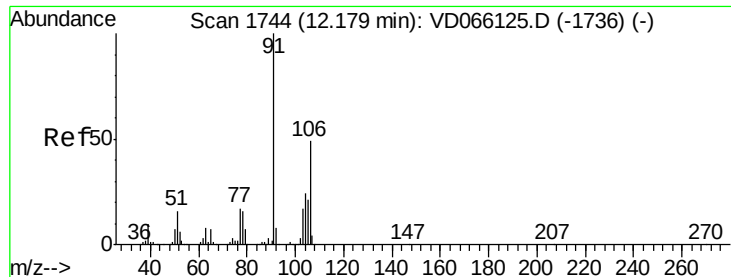
Tot Ion: 91 Resp: 571012
Ion Ratio Lower Upper
91 100
106 30.0 25.7 38.5



#68
m/p-Xylenes
Concen: 105.996 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion: 106 Resp: 430111
Ion Ratio Lower Upper
106 100
91 201.4 156.6 235.0

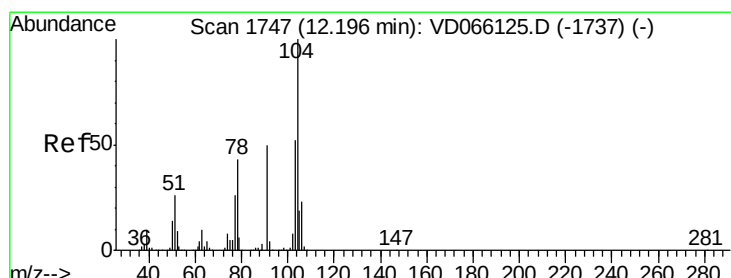
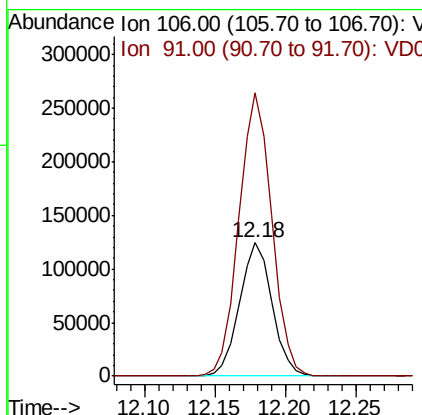
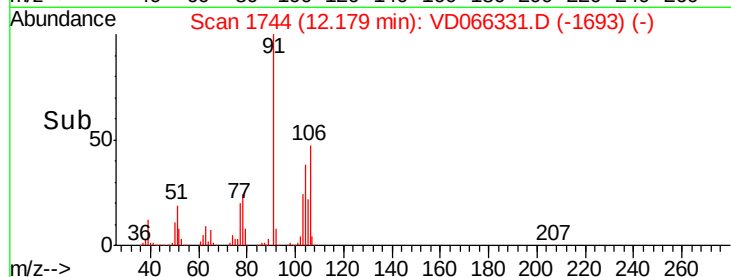
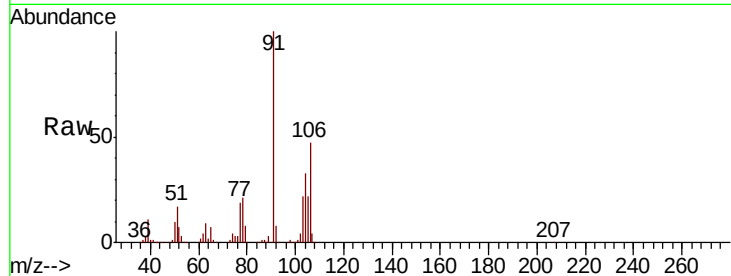




#69
o-Xylene
Concen: 54.322 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

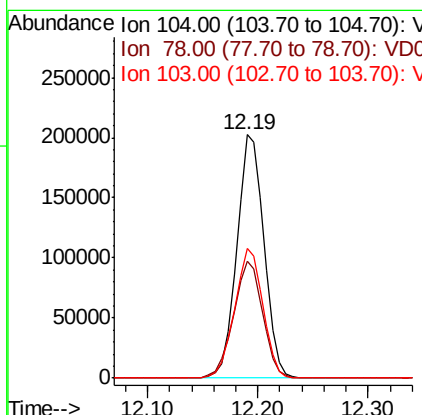
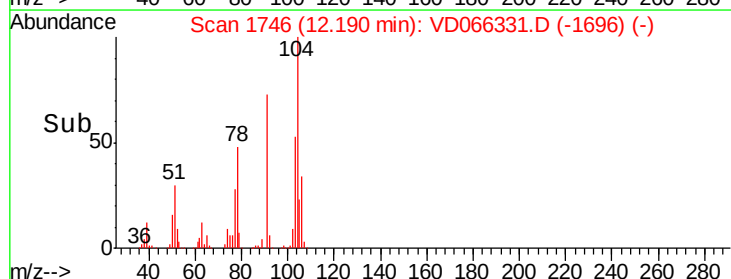
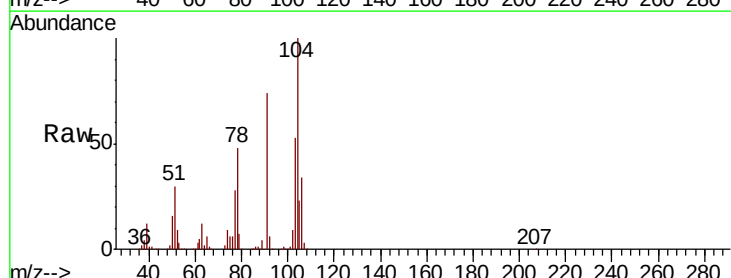
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

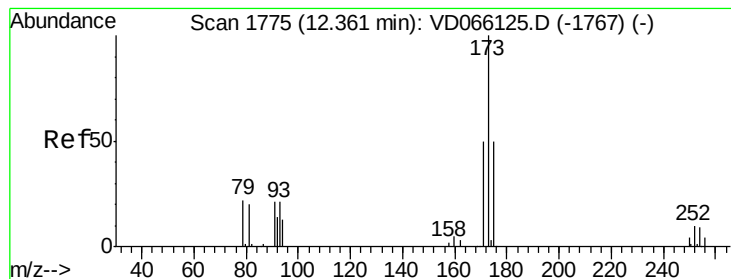
Tot Ion:106 Resp: 200516
Ion Ratio Lower Upper
106 100
91 214.8 105.7 317.1



#70
Styrene
Concen: 53.945 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion:104 Resp: 348974
Ion Ratio Lower Upper
104 100
78 51.4 38.6 58.0
103 55.8 44.1 66.1





#71

Bromoform

Concen: 53.218 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

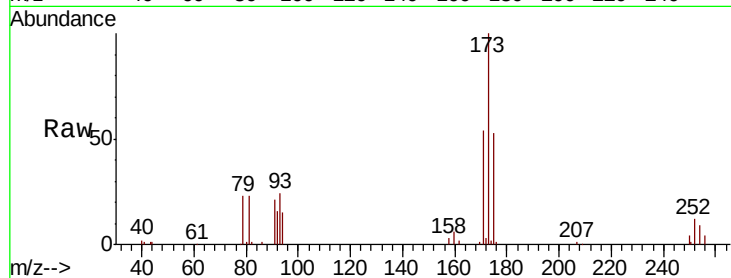
Tot Ion:173 Resp: 74562

Ion Ratio Lower Upper

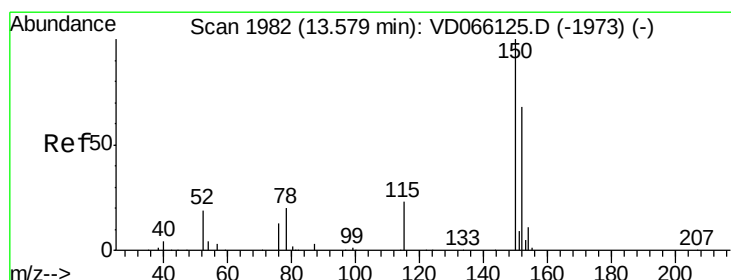
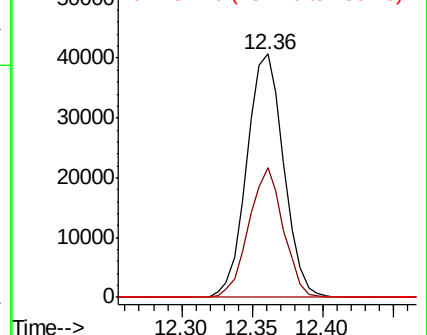
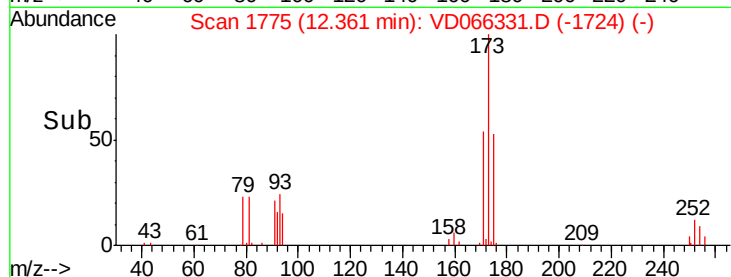
173 100

175 49.9 24.6 73.6

254 0.0 0.2 0.2#



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: VD066331.D

Acq: 19 Aug 2020 22:43

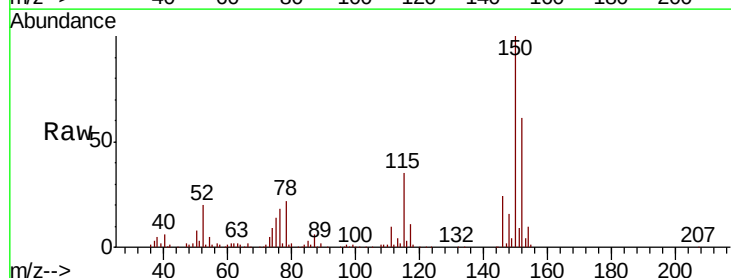
Tgt Ion:152 Resp: 150775

Ion Ratio Lower Upper

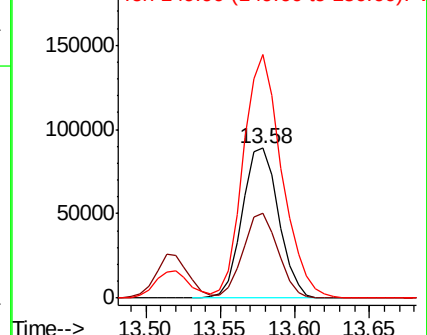
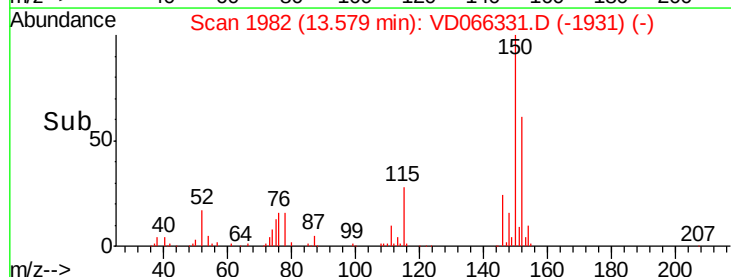
152 100

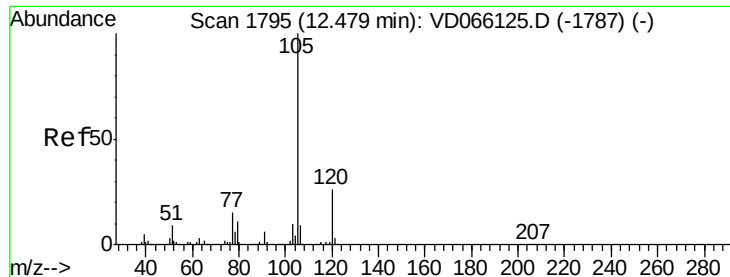
115 54.9 28.0 83.9

150 171.2 0.0 346.4



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: 56.317 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

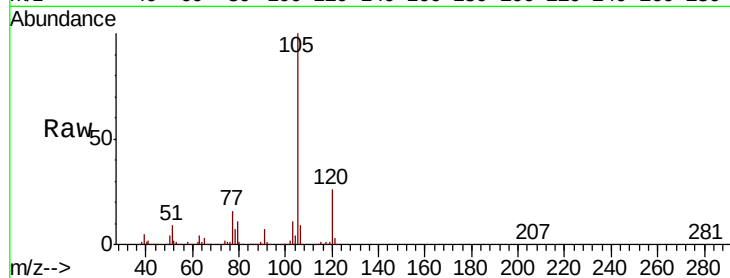
VSTDCCC050

Tot Ion:105 Resp: 566808

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

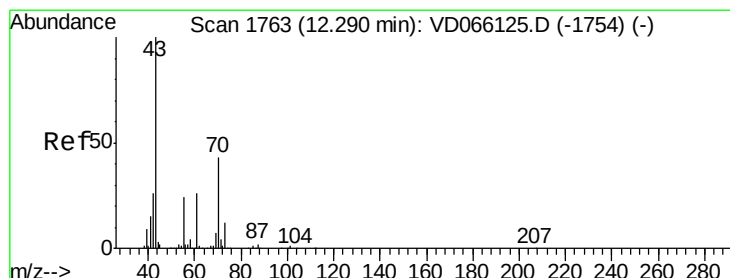
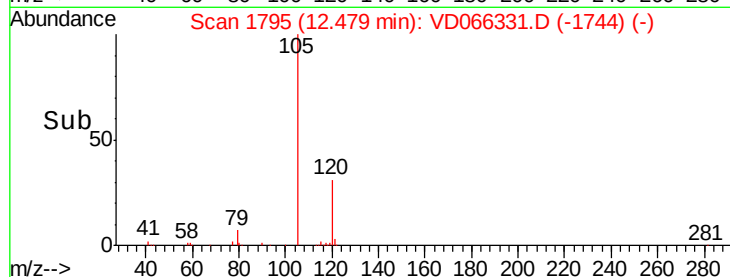
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 48.819 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Tgt Ion: 43 Resp: 108196

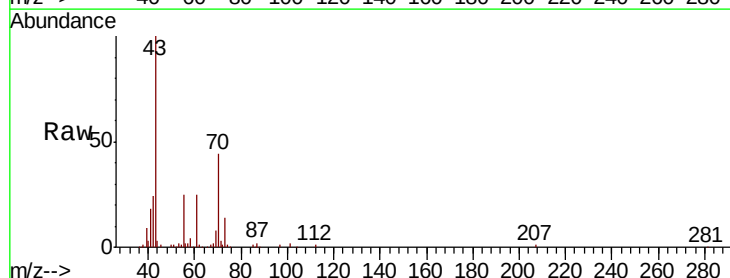
Ion Ratio Lower Upper

43 100

70 45.4 34.9 52.3

55 25.0 19.2 28.8

61 25.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

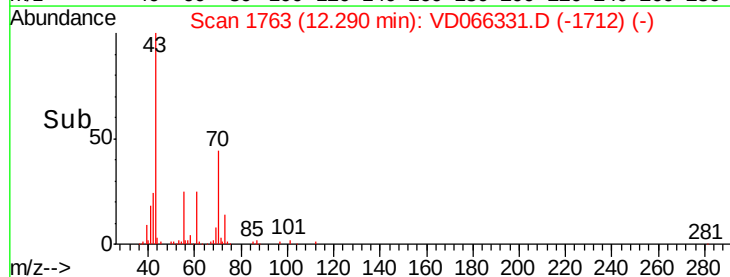
60000

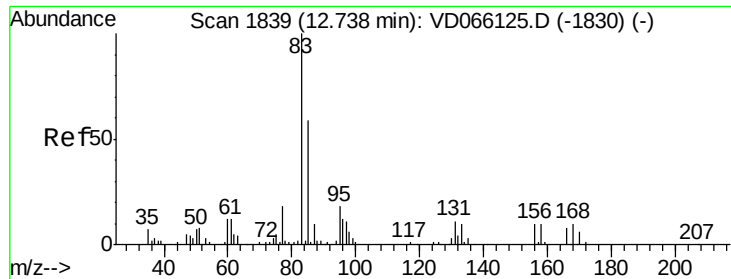
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.954 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

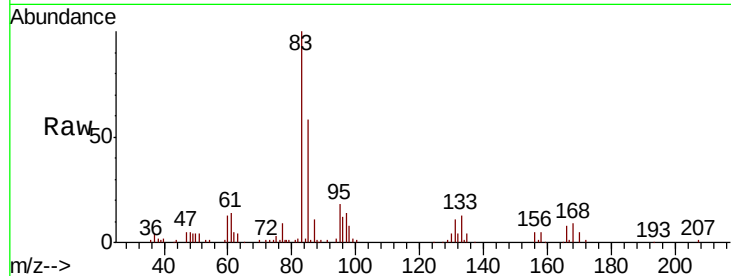
Tot Ion: 83 Resp: 87447

Ion Ratio Lower Upper

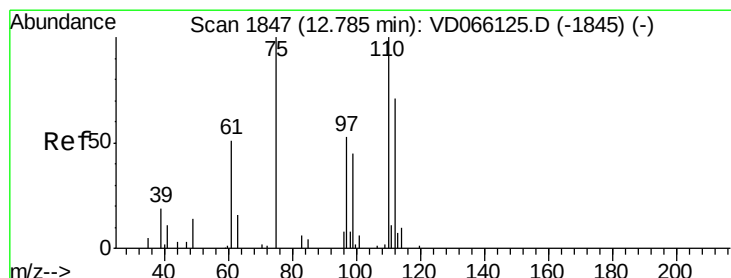
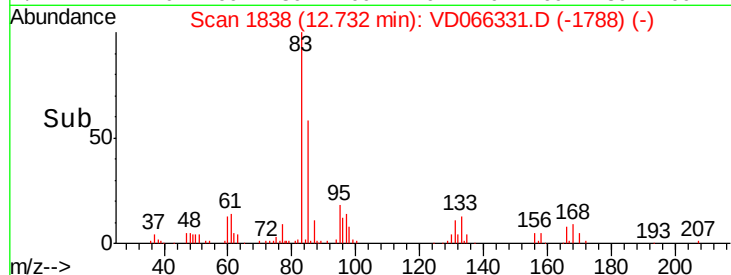
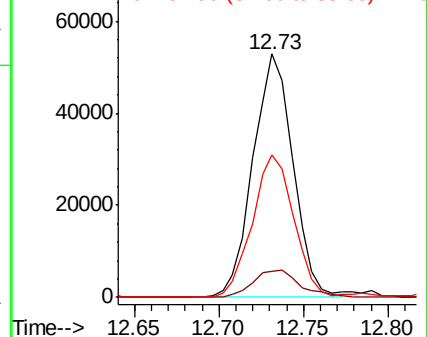
83 100

131 13.0 6.2 18.6

85 60.9 32.4 97.2



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: 95.061 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066331.D

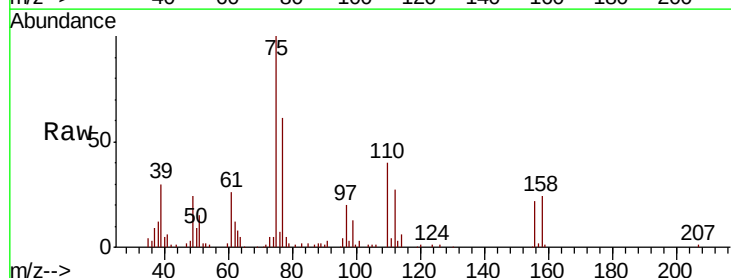
Acq: 19 Aug 2020 22:43

Tgt Ion: 75 Resp: 119526

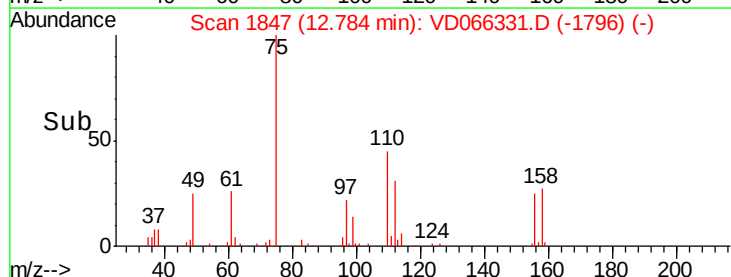
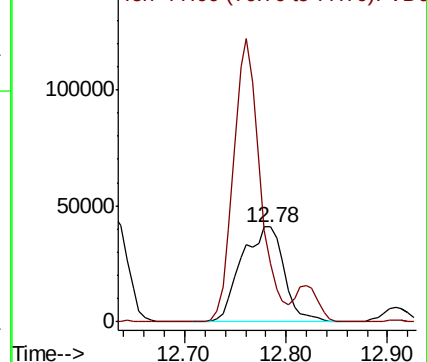
Ion Ratio Lower Upper

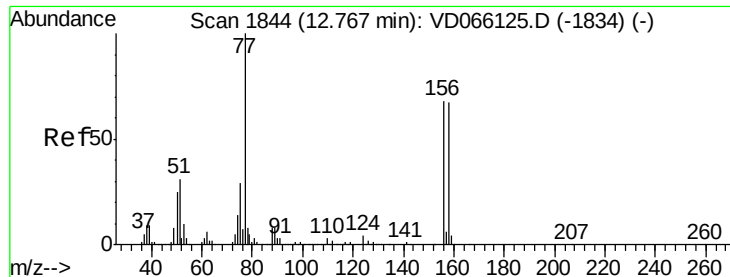
75 100

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: 54.499 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

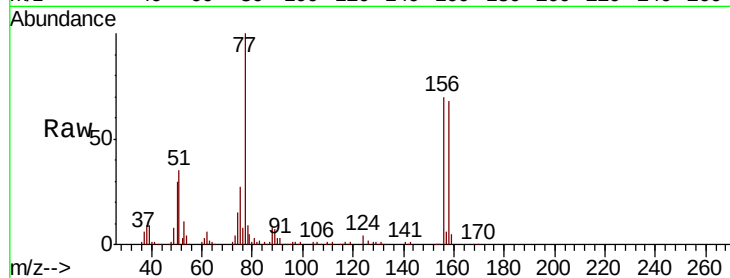
Tot Ion:156 Resp: 141199

Ion Ratio Lower Upper

156 100

77 158.7 81.0 243.1

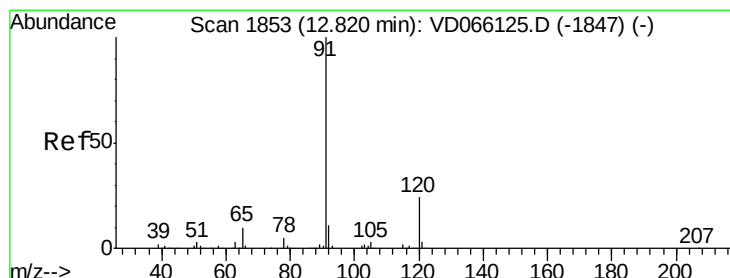
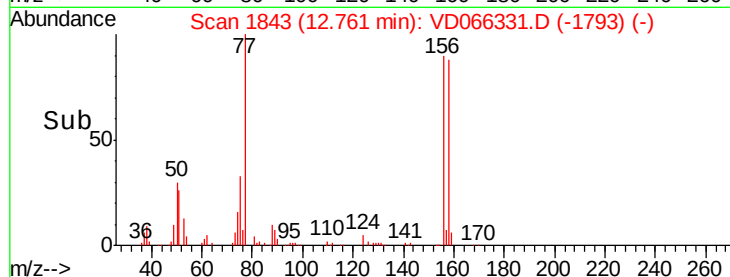
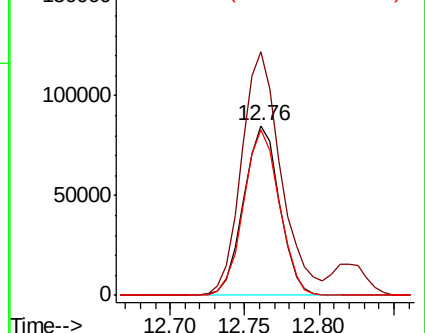
158 97.2 48.8 146.3



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: 54.405 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066331.D

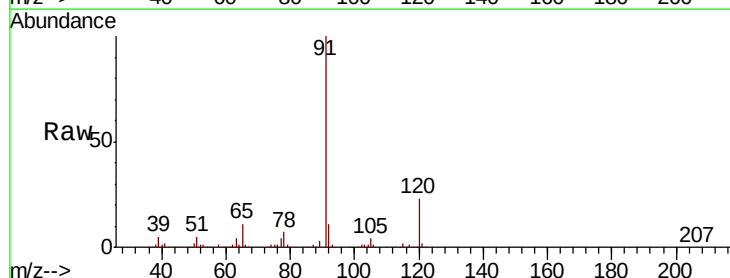
Acq: 19 Aug 2020 22:43

Tgt Ion: 91 Resp: 636502

Ion Ratio Lower Upper

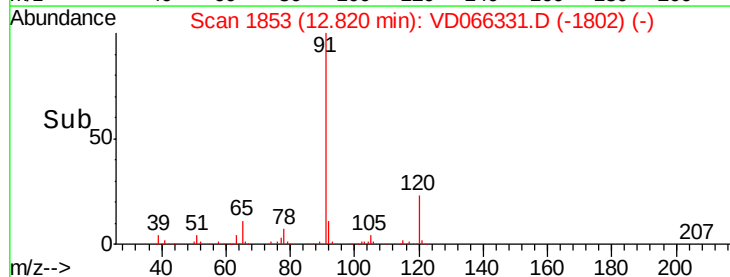
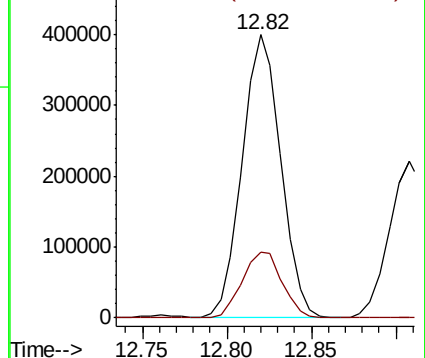
91 100

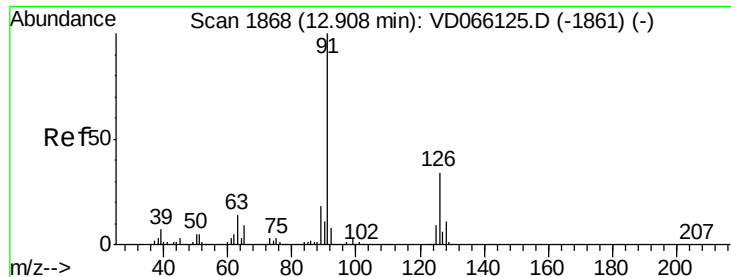
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

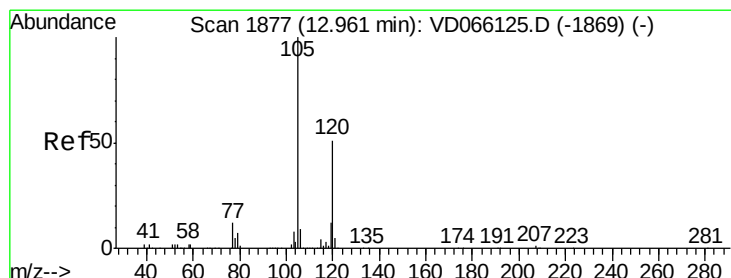
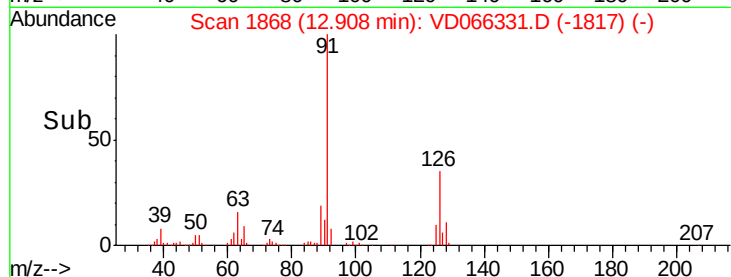
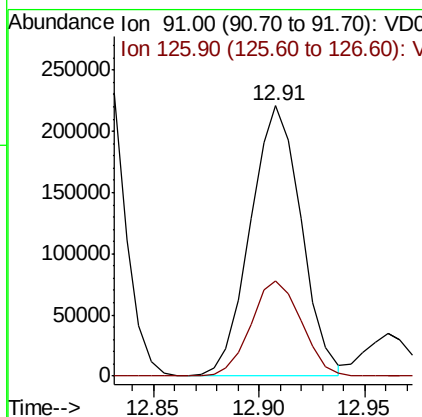
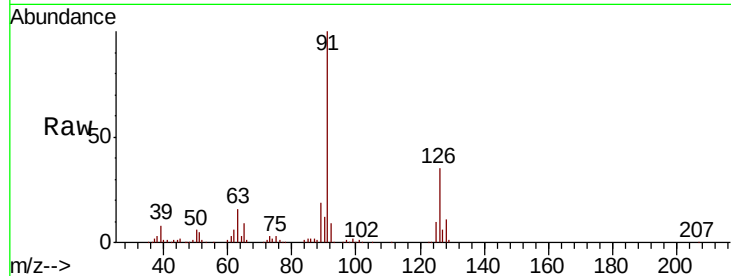




#79
2-Chlorotoluene
Concen: 55.102 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

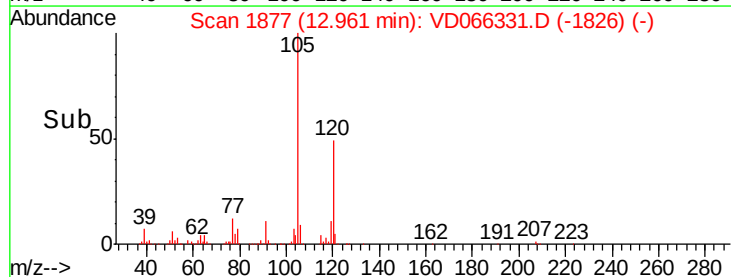
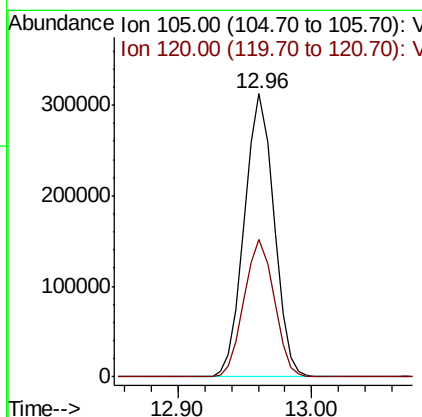
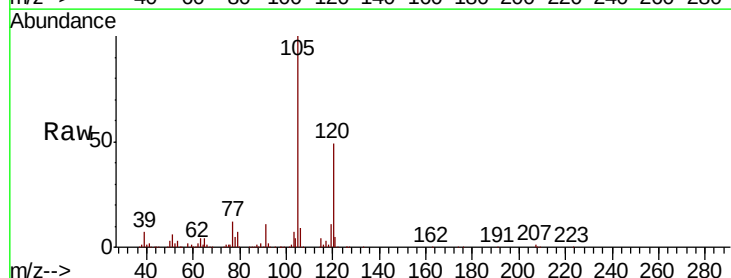
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

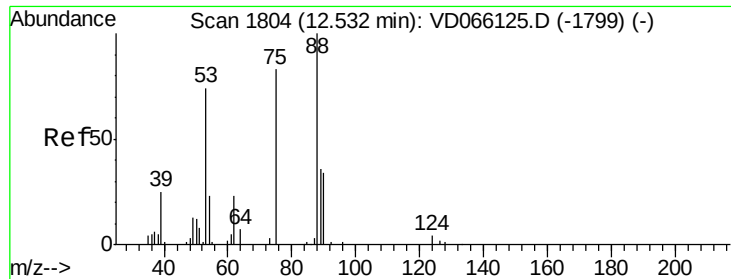
Tot Ion: 91 Resp: 368705
Ion Ratio Lower Upper
91 100
126 35.1 17.5 52.6



#80
1,3,5-Trimethylbenzene
Concen: 57.016 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion: 105 Resp: 479908
Ion Ratio Lower Upper
105 100
120 49.4 25.3 75.8

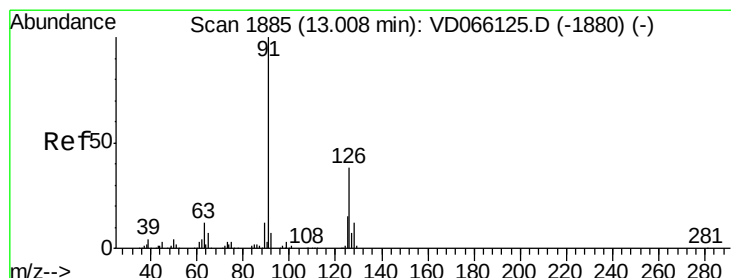
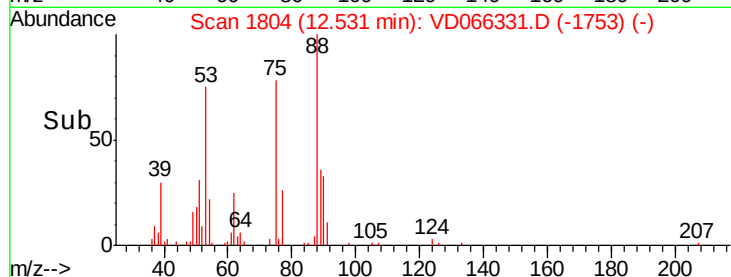
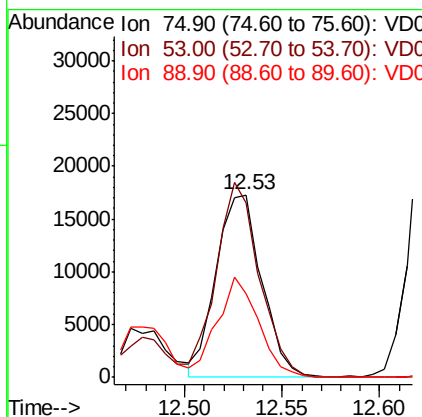
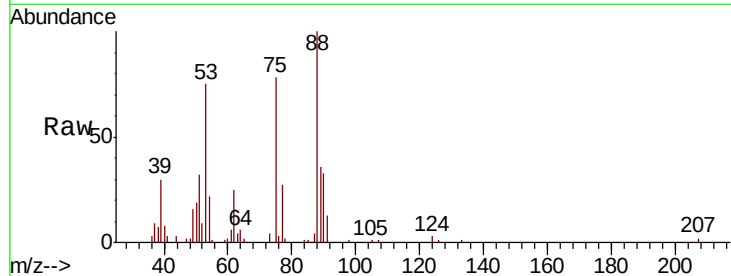




#81
trans-1,4-Dichloro-2-butene
Concen: 49.378 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

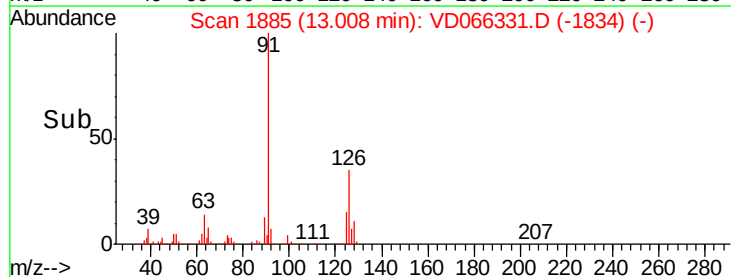
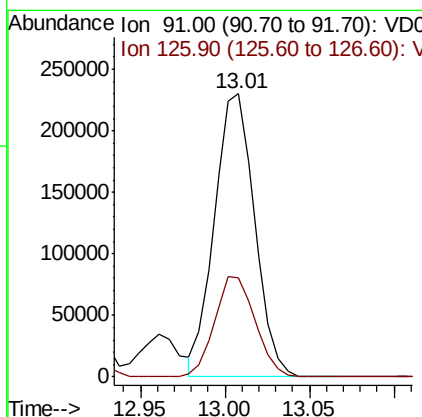
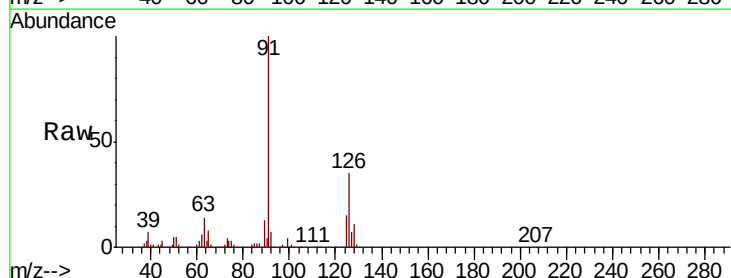
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

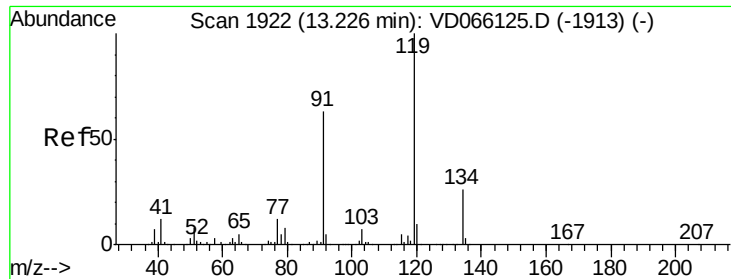
Tot Ion: 75 Resp: 28086
Ion Ratio Lower Upper
75 100
53 100.6 73.4 110.2
89 49.8 36.6 55.0



#82
4-Chlorotoluene
Concen: 53.938 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion: 91 Resp: 380996
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.3

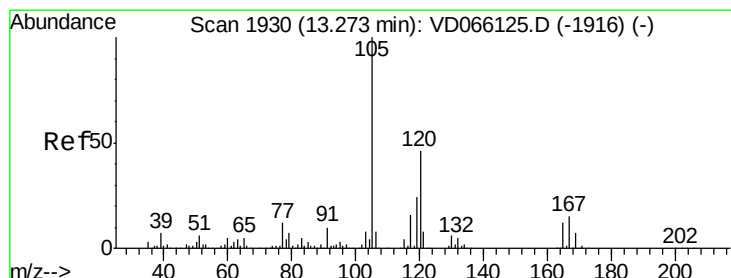
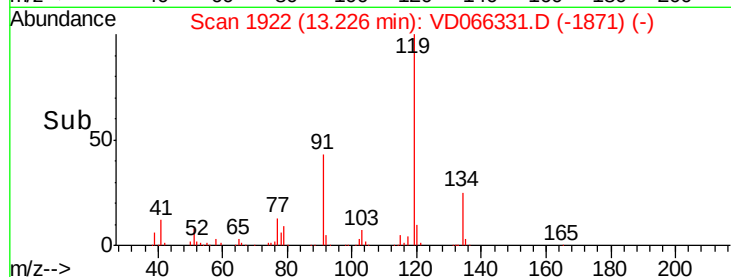
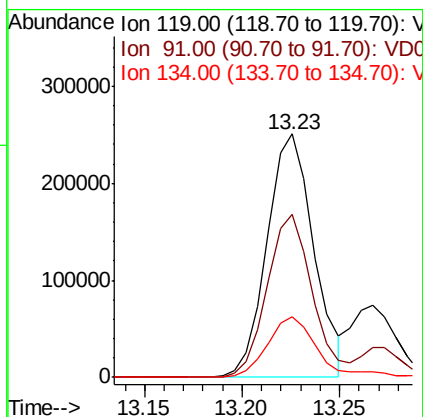
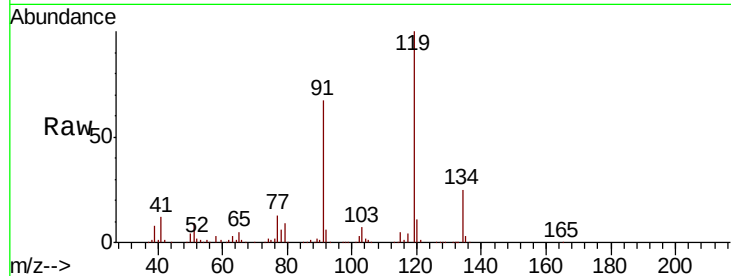




#83
tert-Butylbenzene
Concen: 56.207 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

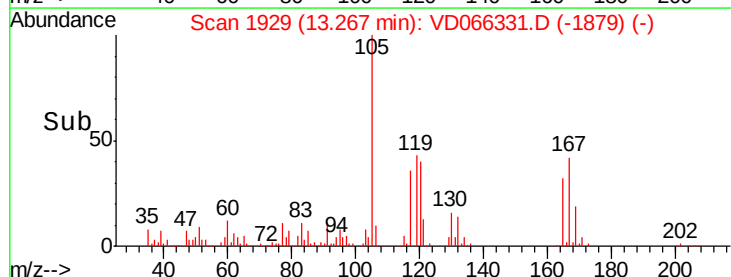
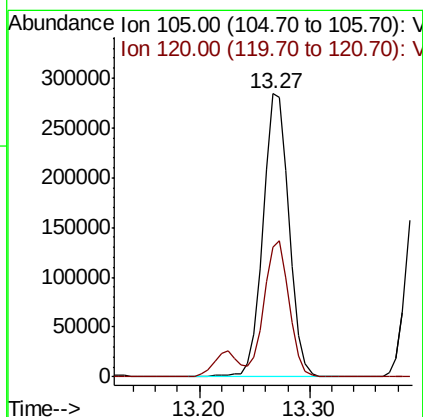
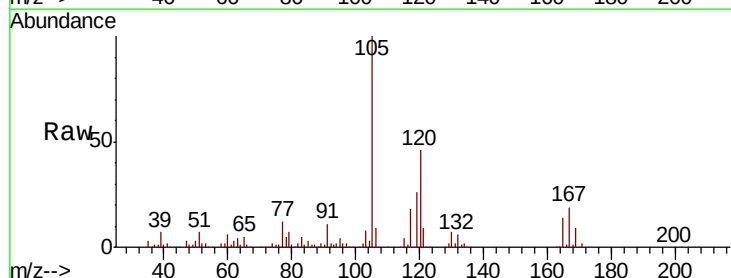
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

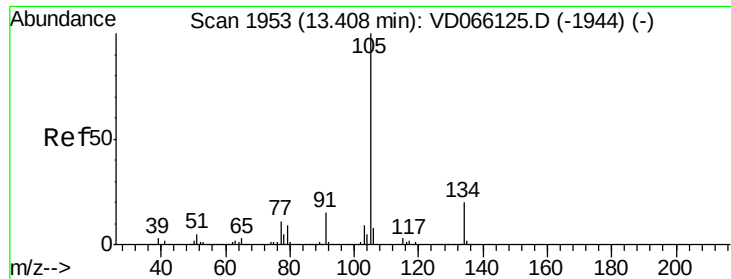
Tot Ion:119 Resp: 416061
Ion Ratio Lower Upper
119 100
91 65.1 30.8 92.4
134 26.8 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 55.781 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion:105 Resp: 469874
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 54.974 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

Instrument :

MSVOA_D

ClientSampleId :

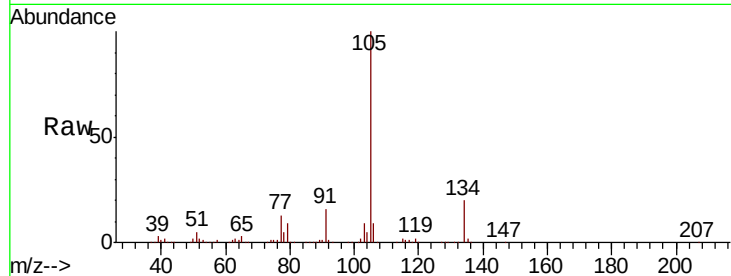
VSTDCCC050

Tot Ion:105 Resp: 549413

Ion Ratio Lower Upper

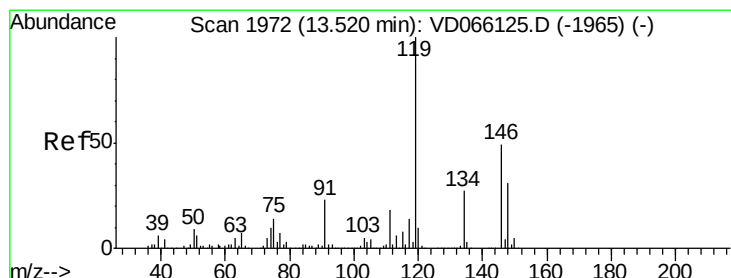
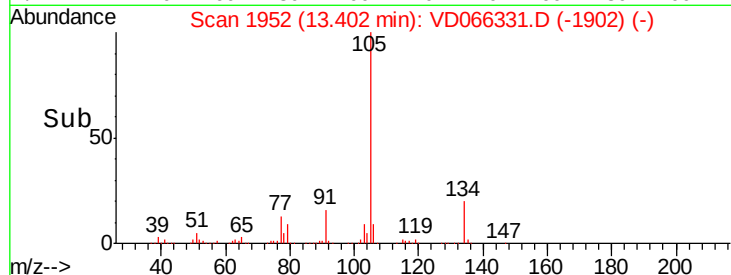
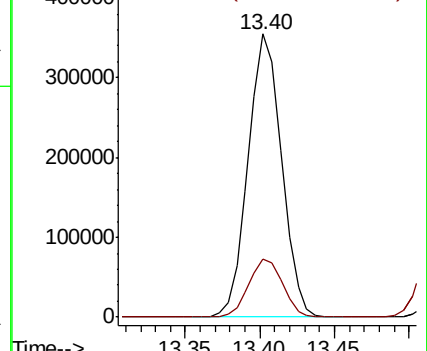
105 100

134 20.8 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.196 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066331.D

Acq: 19 Aug 2020 22:43

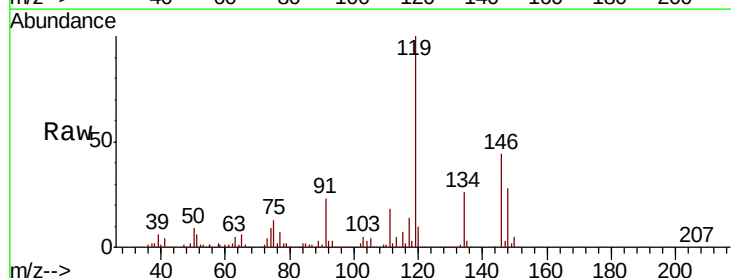
Tgt Ion:119 Resp: 526755

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

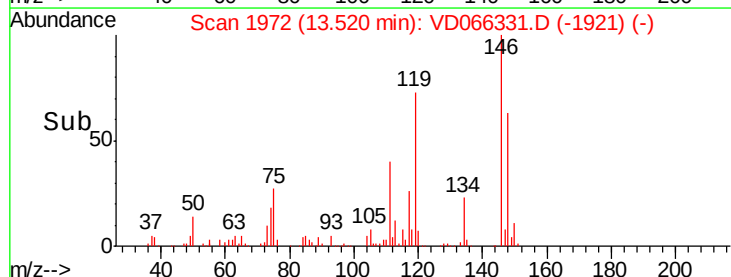
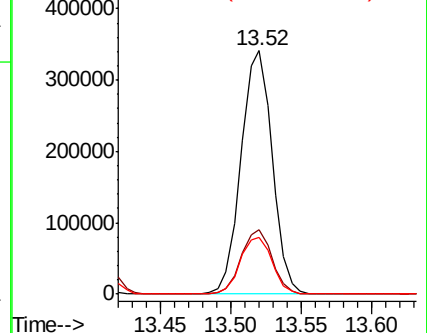
91 23.9 11.2 33.5

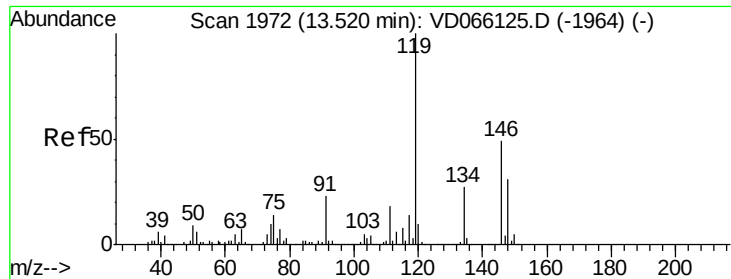


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

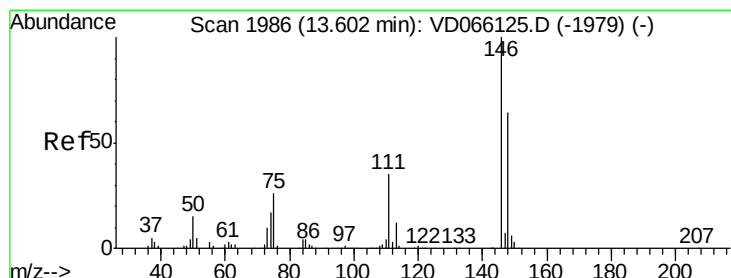
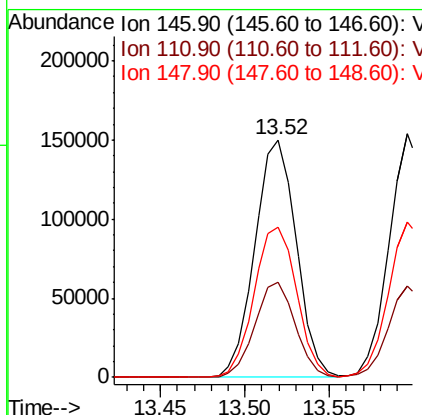
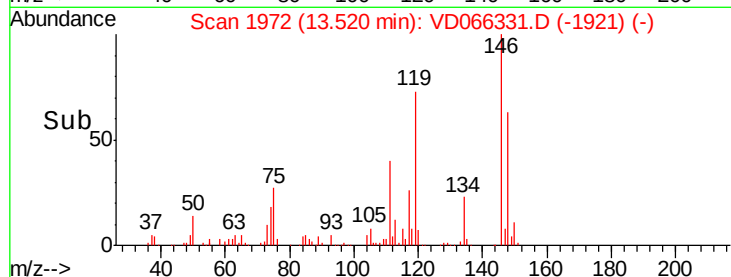
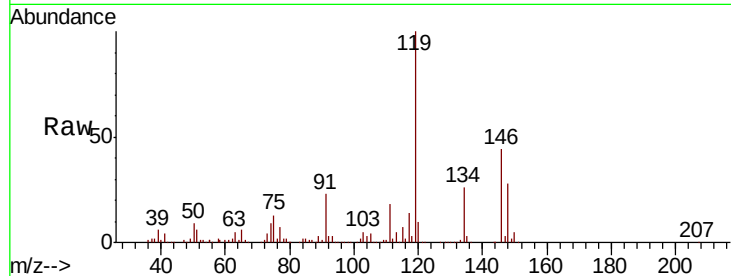




#87
 1,3-Dichlorobenzene
 Concen: 52.706 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

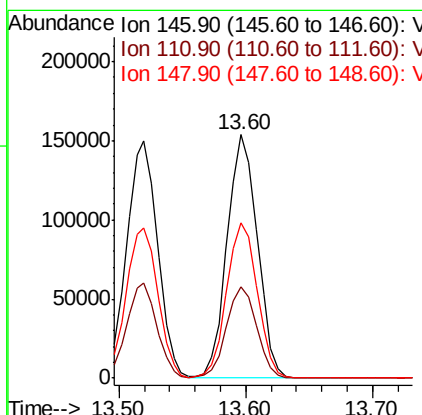
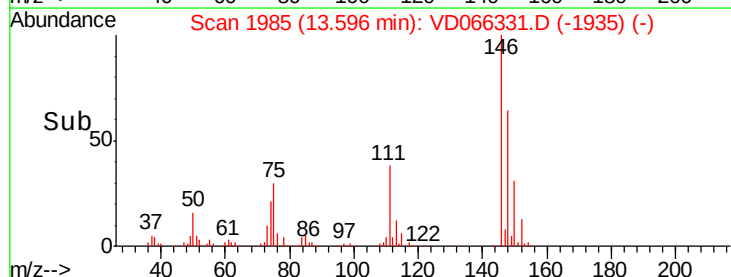
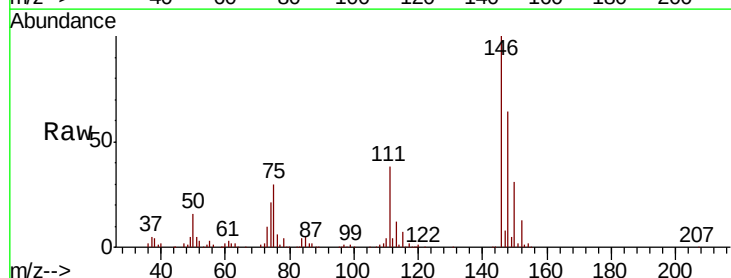
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

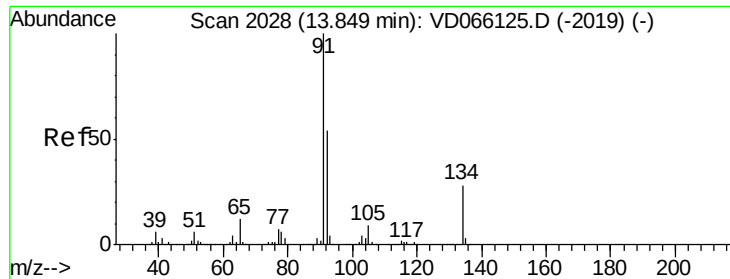
Tot Ion:146 Resp: 256645
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.9 56.9
 148 64.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 52.284 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion:146 Resp: 253897
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.8
 148 64.8 32.4 97.0

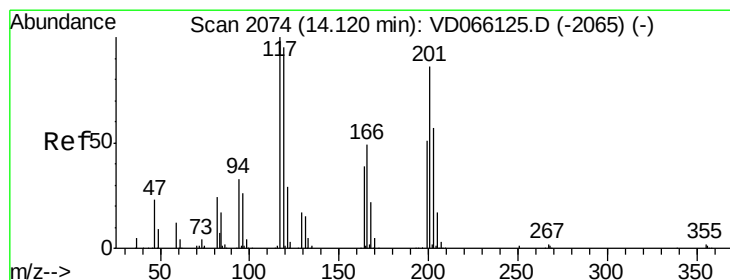
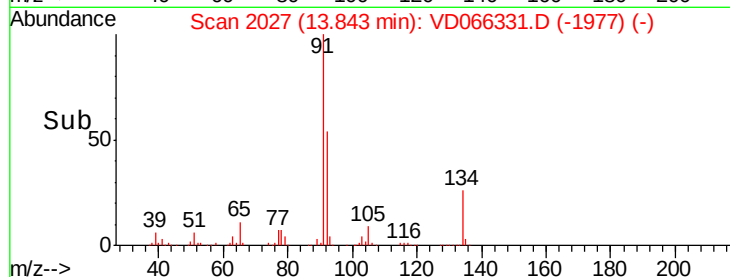
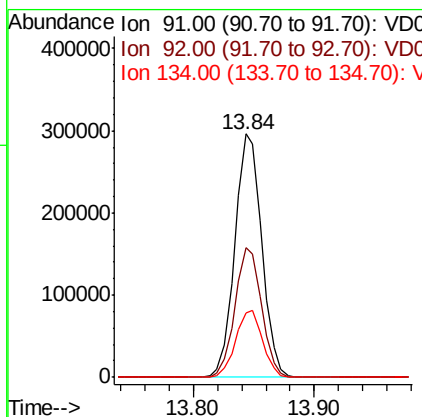
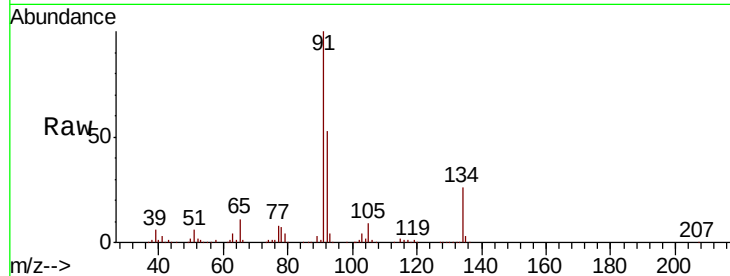




#89
n-Butylbenzene
Concen: 54.730 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

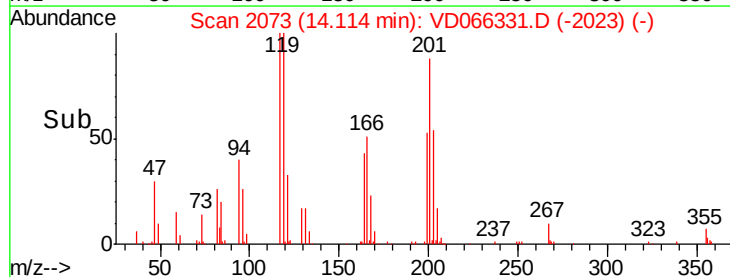
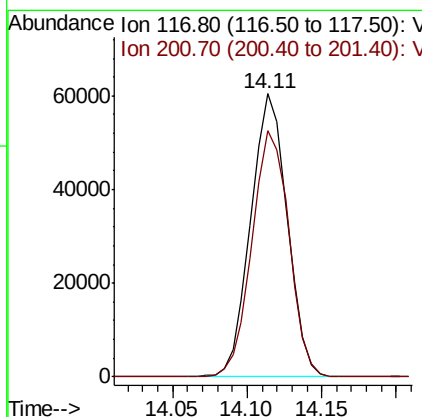
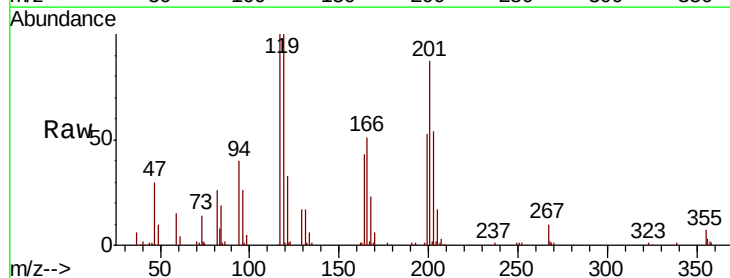
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

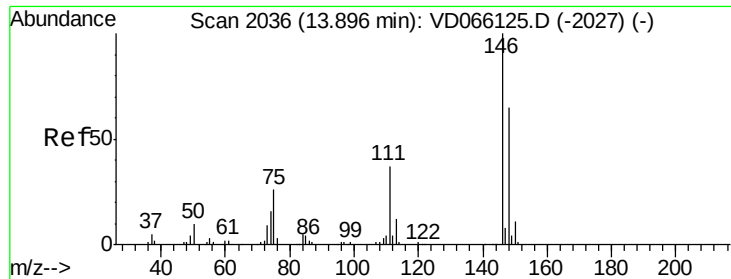
Tot Ion: 91 Resp: 459636
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.3
134 27.6 14.0 41.9



#90
Hexachloroethane
Concen: 54.664 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion: 117 Resp: 102192
Ion Ratio Lower Upper
117 100
201 88.3 42.7 128.1

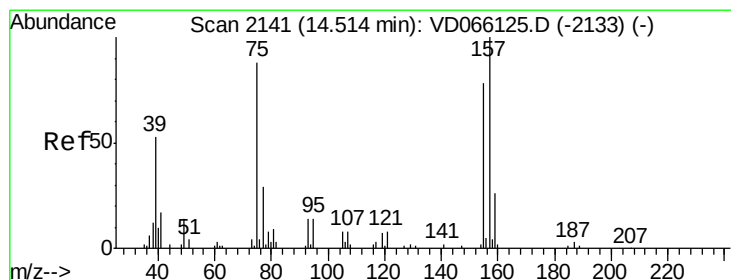
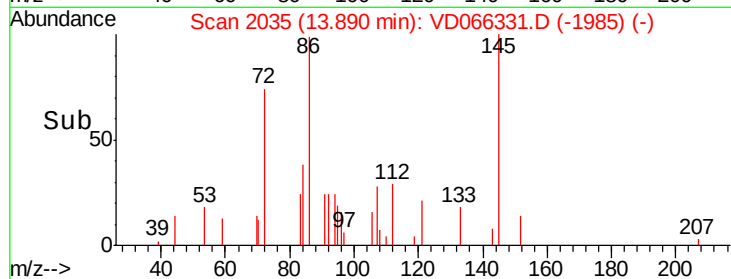
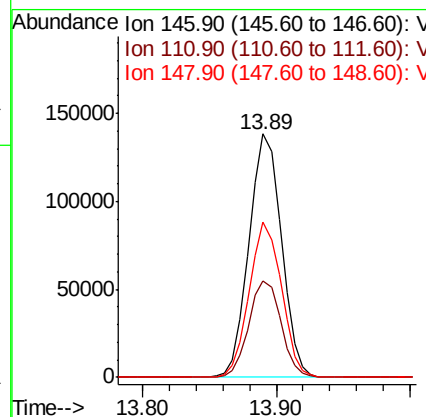
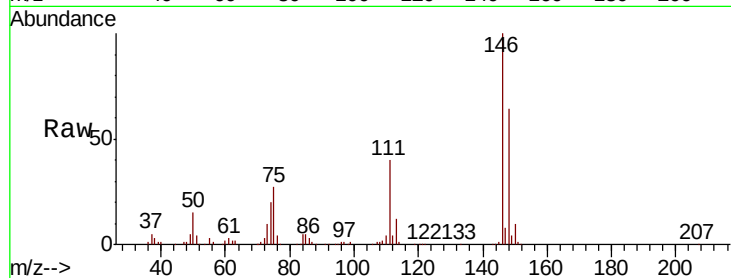




#91
 1,2-Dichlorobenzene
 Concen: 53.873 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

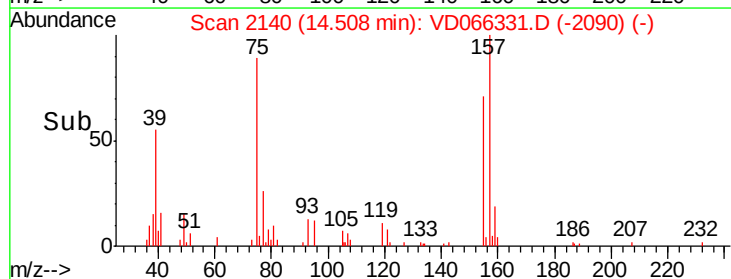
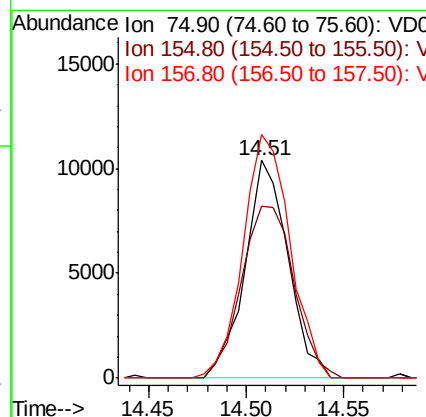
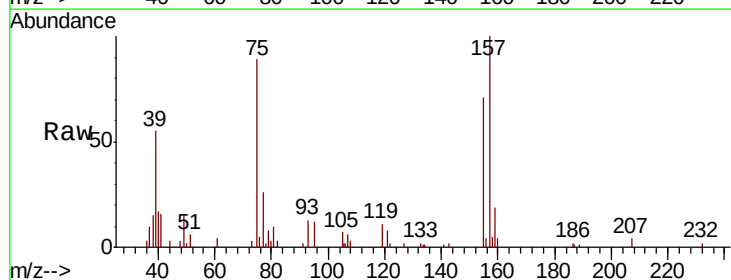
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

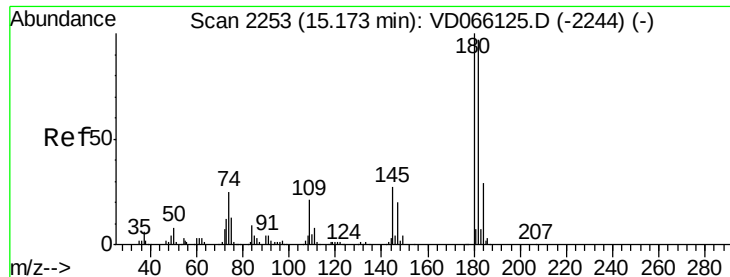
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.3
148	63.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.530 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	47.7	143.1
157	122.9	62.1	186.2

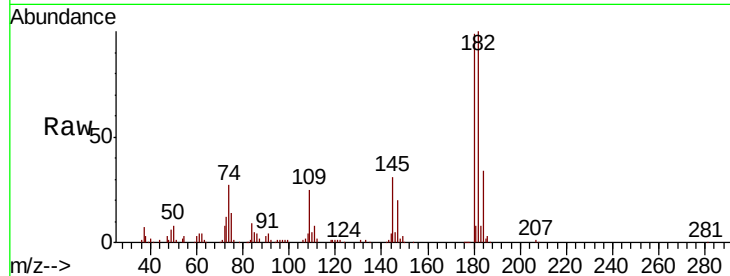




#93
 1,2,4-Trichlorobenzene
 Concen: 53.845 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.2
145	29.8	14.5	43.6

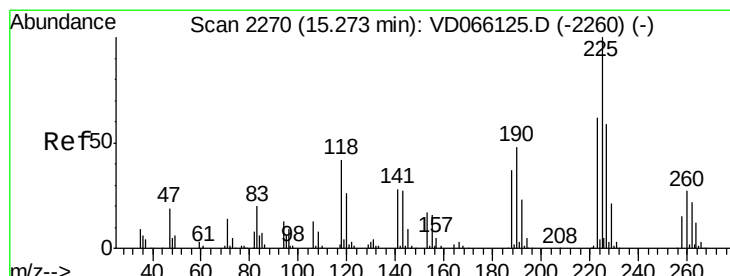
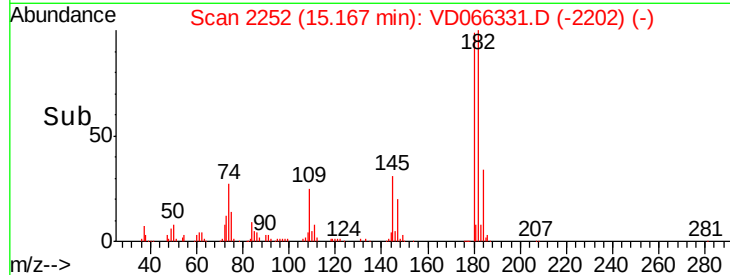
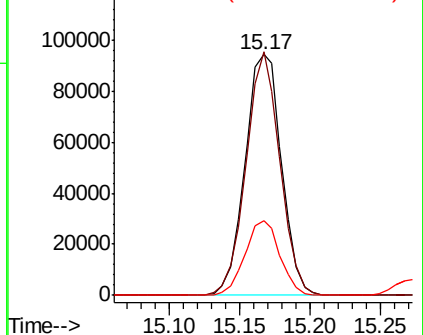


Abundance

Ion 179.80 (179.50 to 180.50): V

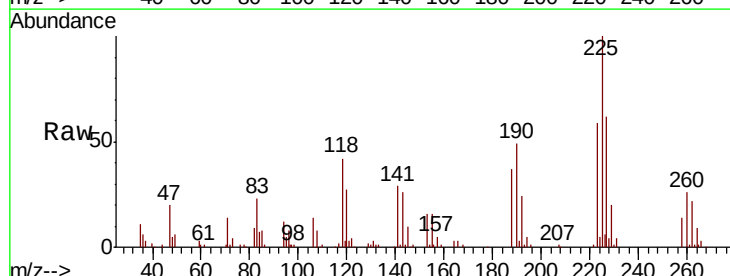
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 56.568 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066331.D
 Acq: 19 Aug 2020 22:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.3	96.9
227	62.9	32.1	96.5

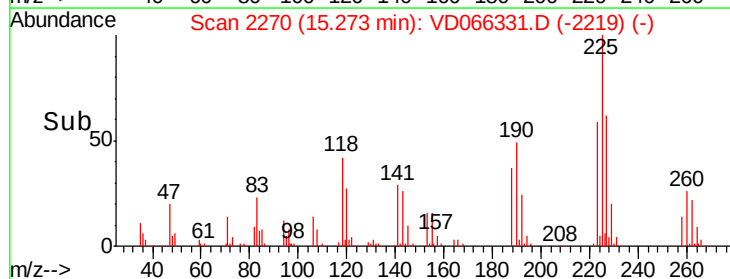
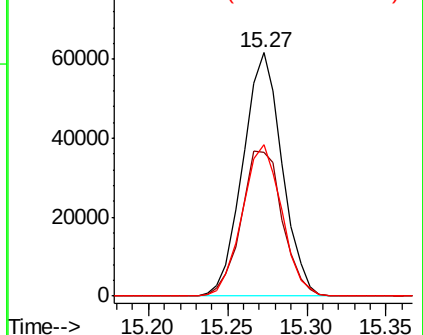


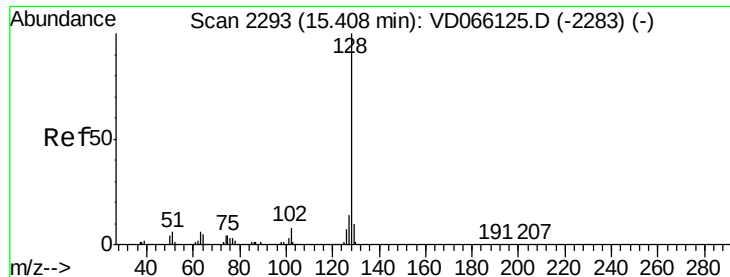
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

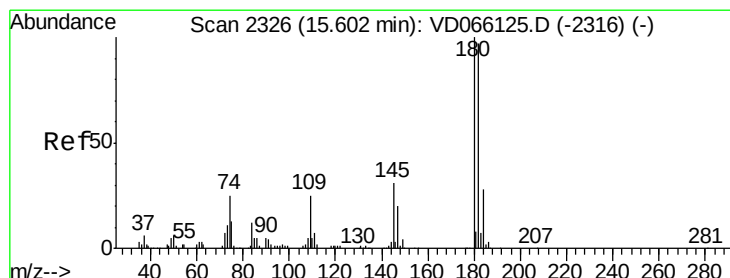
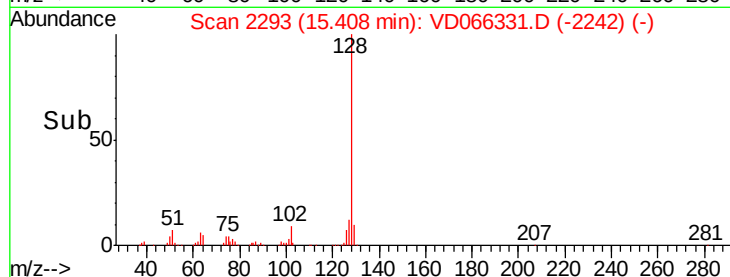
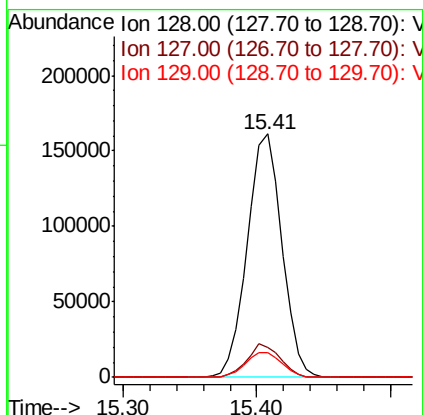
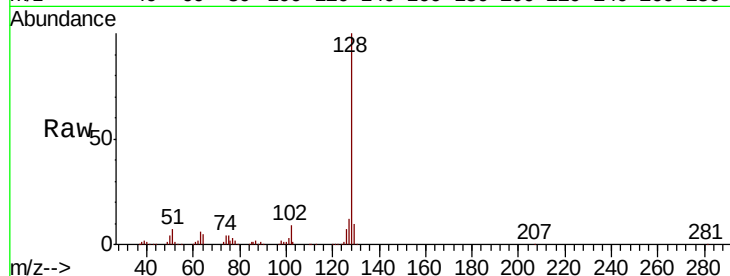




#95
Naphthalene
Concen: 55.983 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 289485
Ion Ratio Lower Upper
128 100
127 13.3 11.0 16.4
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.779 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066331.D
Acq: 19 Aug 2020 22:43

Tgt Ion:180 Resp: 150660
Ion Ratio Lower Upper
180 100
182 93.4 47.1 141.4
145 32.4 14.9 44.9

