

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066228.D
 Acq On : 14 Aug 2020 11:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 17 08:39:35 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	338967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	485287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	438528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	226415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	149750	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.91	113	151980	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.33	98	564392	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.63	95	199696	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	120654	40.401	ug/l 96
3) Chloromethane	2.20	50	95767	41.224	ug/l 99
4) Vinyl Chloride	2.34	62	99346	48.303	ug/l 97
5) Bromomethane	2.77	94	65530	48.024	ug/l 97
6) Chloroethane	2.92	64	60269	47.738	ug/l 96
7) Trichlorofluoromethane	3.27	101	250040	46.632	ug/l 98
8) Diethyl Ether	3.70	74	72039	47.614	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	149678	47.036	ug/l 98
10) Methyl Iodide	4.30	142	160638	54.716	ug/l 99
11) Tert butyl alcohol	5.22	59	54510	239.851	ug/l 97
12) 1,1-Dichloroethene	4.07	96	136150	45.354	ug/l 94
13) Acrolein	3.92	56	50602	210.218	ug/l 99
14) Allyl chloride	4.71	41	215405	47.364	ug/l 98
15) Acrylonitrile	5.42	53	157560	247.133	ug/l 100
16) Acetone	4.16	43	186208	324.517	ug/l 96
17) Carbon Disulfide	4.40	76	398317	41.731	ug/l 97
18) Methyl Acetate	4.71	43	68762	47.179	ug/l 99
19) Methyl tert-butyl Ether	5.47	73	339851	49.393	ug/l 98
20) Methylene Chloride	4.96	84	159742	48.319	ug/l 98
21) trans-1,2-Dichloroethene	5.47	96	156625	45.418	ug/l 98
22) Diisopropyl ether	6.36	45	426438	47.417	ug/l 93
23) Vinyl Acetate	6.30	43	1313109	249.227	ug/l 98
24) 1,1-Dichloroethane	6.26	63	261966	47.068	ug/l 97
25) 2-Butanone	7.21	43	219710	260.334	ug/l 100
26) 2,2-Dichloropropane	7.20	77	256291	51.378	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	175669	48.566	ug/l 99
28) Bromochloromethane	7.54	49	96728	49.482	ug/l 97
29) Tetrahydrofuran	7.56	42	127823	244.458	ug/l 98
30) Chloroform	7.70	83	285215	48.803	ug/l 94
31) Cyclohexane	7.98	56	238612	45.038	ug/l 98
32) 1,1,1-Trichloroethane	7.90	97	269656	49.211	ug/l 99
36) 1,1-Dichloropropene	8.11	75	219051	48.035	ug/l 99
37) Ethyl Acetate	7.29	43	90191	49.917	ug/l 97
38) Carbon Tetrachloride	8.09	117	254305	50.007	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	267300	48.489	ug/l	98
40) Benzene	8.34	78	610938	48.294	ug/l	95
41) Methacrylonitrile	7.52	41	54251	51.067	ug/l	97
42) 1,2-Dichloroethane	8.42	62	183008	49.244	ug/l	99
43) Isopropyl Acetate	8.45	43	182122	51.158	ug/l	97
44) Trichloroethene	9.11	130	183149	48.045	ug/l	94
45) 1,2-Dichloropropane	9.38	63	148419	47.971	ug/l	96
46) Dibromomethane	9.47	93	84335	49.486	ug/l	99
47) Bromodichloromethane	9.66	83	225885	50.149	ug/l	99
48) Methyl methacrylate	9.45	41	93406	51.384	ug/l	98
49) 1,4-Dioxane	9.46	88	21230	969.623	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	464995	254.289	ug/l	98
52) Toluene	10.40	92	406072	48.782	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	219722	51.402	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	253753	50.667	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	121851	49.654	ug/l	98
56) Ethyl methacrylate	10.66	69	155265	52.668	ug/l	98
57) 1,3-Dichloropropane	10.94	76	205483	50.437	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	361497	272.614	ug/l	100
59) 2-Hexanone	10.98	43	348133	271.269	ug/l	97
60) Dibromochloromethane	11.14	129	168838	49.835	ug/l	100
61) 1,2-Dibromoethane	11.24	107	118048	50.019	ug/l	98
64) Tetrachloroethene	10.87	164	162972	48.397	ug/l	97
65) Chlorobenzene	11.67	112	452632	50.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	175729	50.450	ug/l	98
67) Ethyl Benzene	11.74	91	790522	51.243	ug/l	98
68) m/p-Xylenes	11.85	106	606615	101.492	ug/l	98
69) o-Xylene	12.18	106	278537	51.229	ug/l	100
70) Styrene	12.20	104	488882	51.307	ug/l	98
71) Bromoform	12.36	173	104217	50.500	ug/l #	100
73) Isopropylbenzene	12.48	105	789047	52.207	ug/l	100
74) N-amyl acetate	12.29	43	171495	51.529	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	128350	49.803	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	172883	91.563	ug/l #	100
77) Bromobenzene	12.76	156	194068	49.881	ug/l	97
78) n-propylbenzene	12.82	91	901090	51.290	ug/l	100
79) 2-Chlorotoluene	12.91	91	510727	50.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	665833	52.678	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	46306	54.213	ug/l	98
82) 4-Chlorotoluene	13.01	91	537177	50.643	ug/l	100
83) tert-Butylbenzene	13.23	119	575664	51.787	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	653107	51.631	ug/l	99
85) sec-Butylbenzene	13.40	105	788378	52.531	ug/l	99
86) p-Isopropyltoluene	13.52	119	736073	52.293	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	364105	49.794	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	372194	51.039	ug/l	99
89) n-Butylbenzene	13.85	91	672125	53.294	ug/l	100
90) Hexachloroethane	14.12	117	139237	49.598	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	326316	50.461	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22545	50.900	ug/l	96

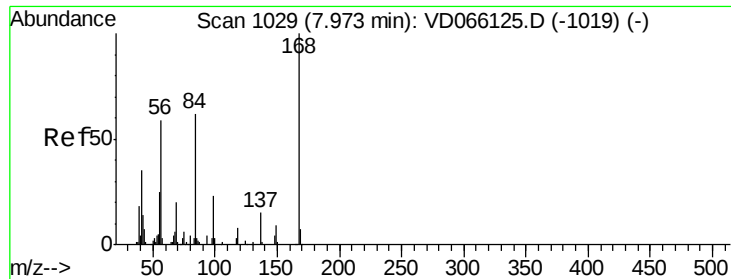
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	243206	51.034	ug/l	96
94) Hexachlorobutadiene	15.27	225	144214	51.390	ug/l	99
95) Naphthalene	15.41	128	418788	53.932	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	215613	51.252	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

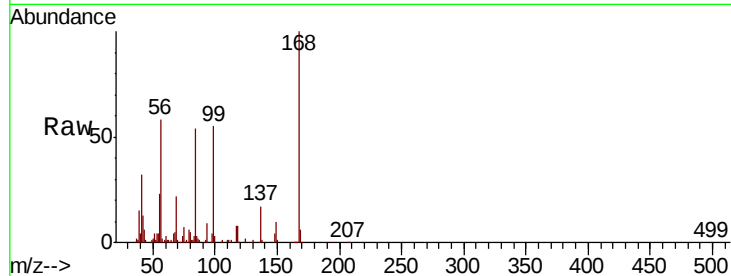
VSTDCCC050

Tot Ion:168 Resp: 338967

Ion Ratio Lower Upper

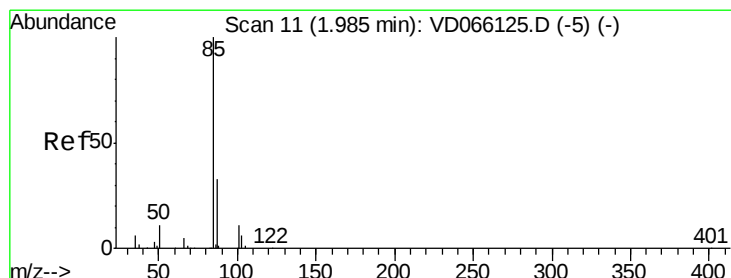
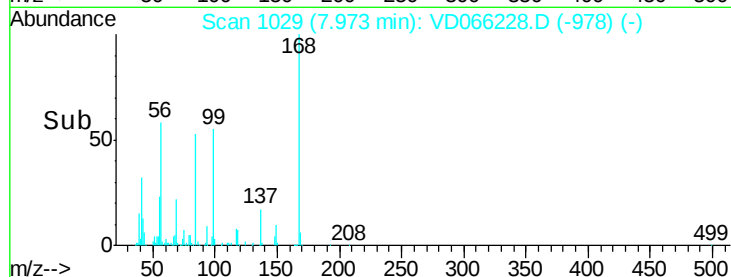
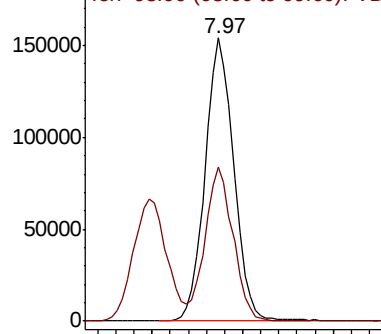
168 100

99 54.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.401 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066228.D

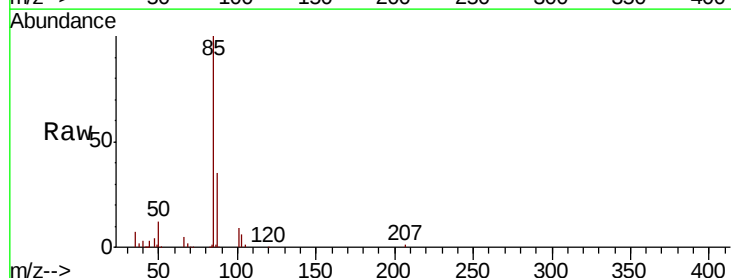
Acq: 14 Aug 2020 11:12

Tgt Ion: 85 Resp: 120654

Ion Ratio Lower Upper

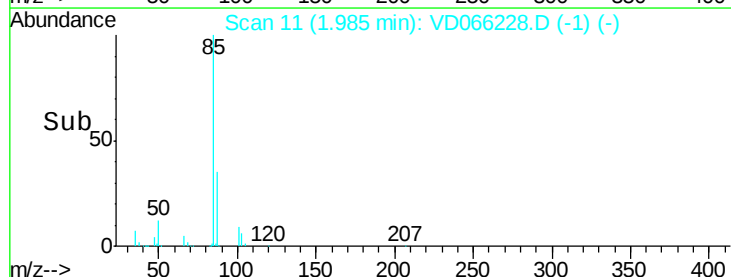
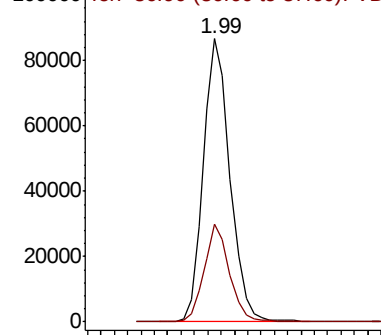
85 100

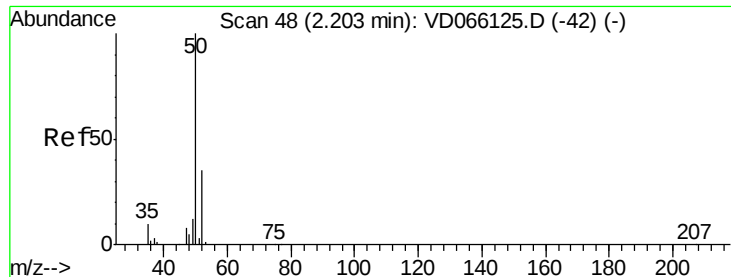
87 34.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.224 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

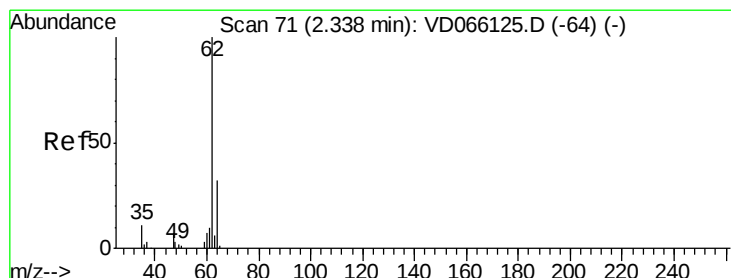
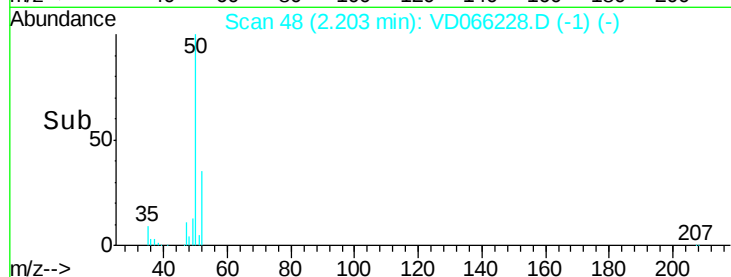
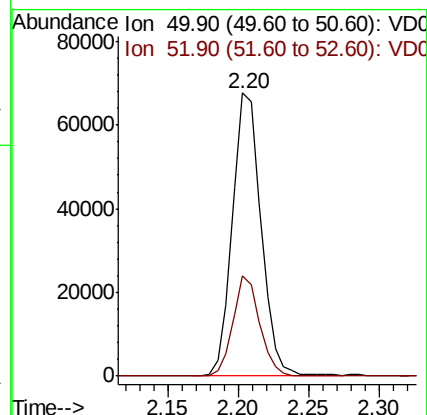
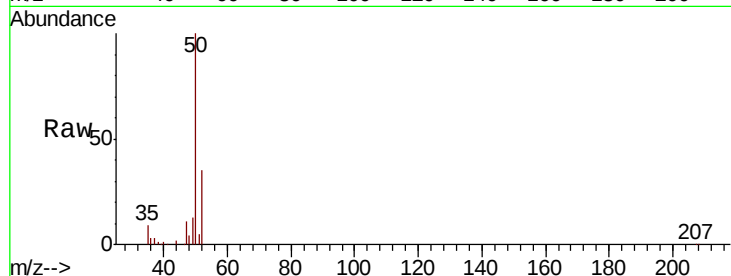
VSTDCCC050

Tot Ion: 50 Resp: 95767

Ion Ratio Lower Upper

50 100

52 35.3 27.9 41.9



#4

Vinyl Chloride

Concen: 48.303 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066228.D

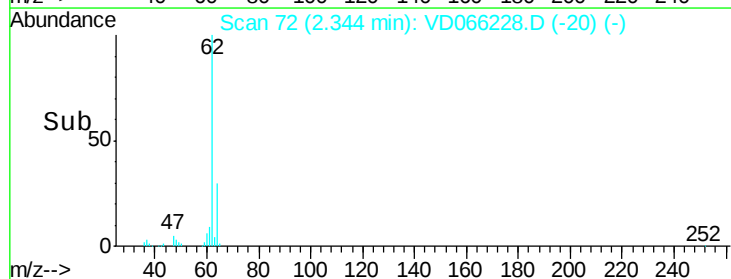
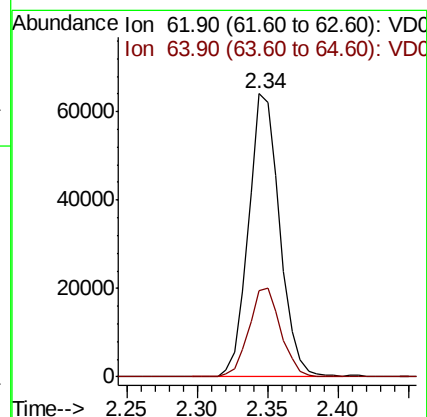
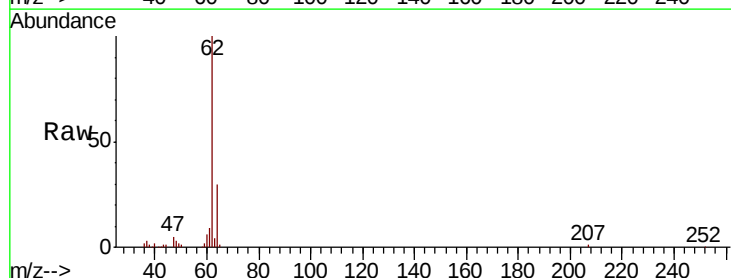
Acq: 14 Aug 2020 11:12

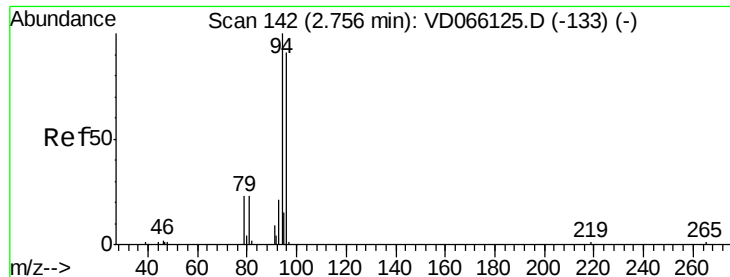
Tgt Ion: 62 Resp: 99346

Ion Ratio Lower Upper

62 100

64 30.4 25.8 38.8





#5

Bromomethane

Concen: 48.024 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

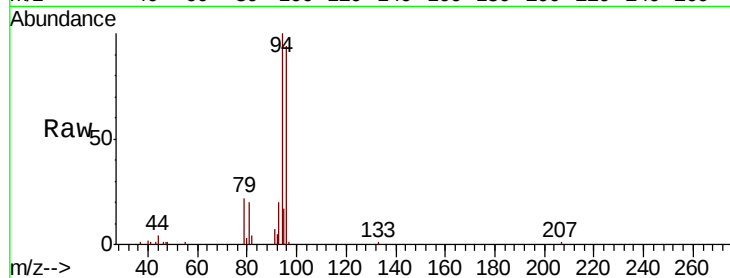
VSTDCCC050

Tot Ion: 94 Resp: 65530

Ion Ratio Lower Upper

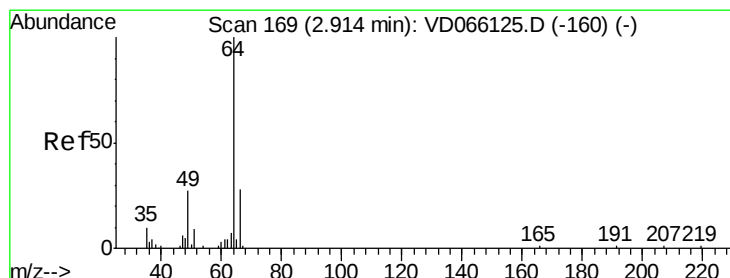
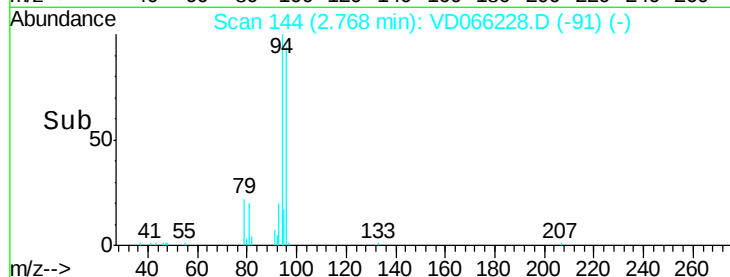
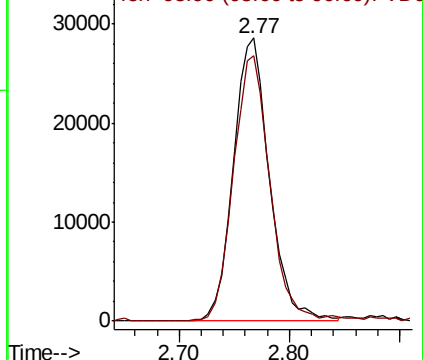
94 100

96 93.9 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: 47.738 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066228.D

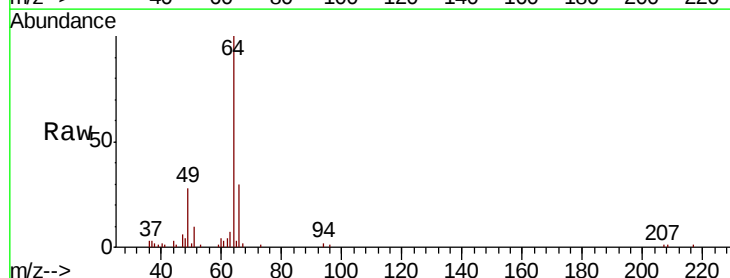
Acq: 14 Aug 2020 11:12

Tgt Ion: 64 Resp: 60269

Ion Ratio Lower Upper

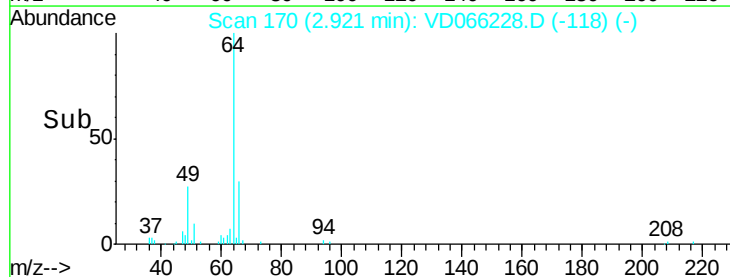
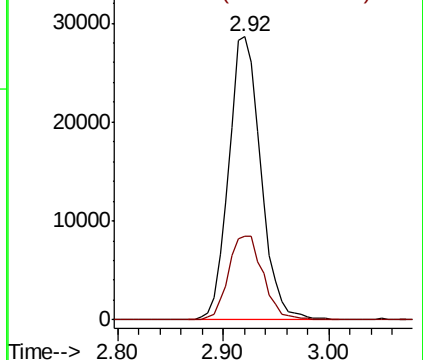
64 100

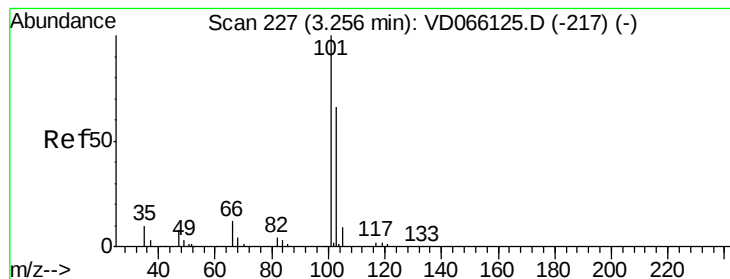
66 29.8 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



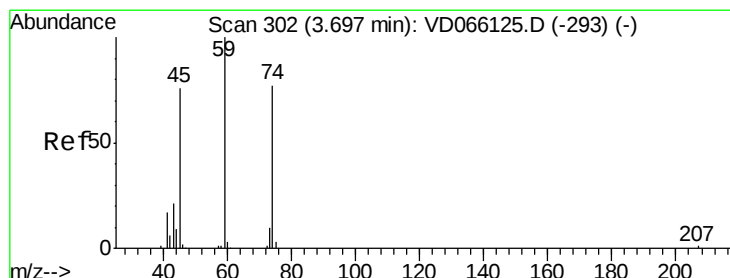
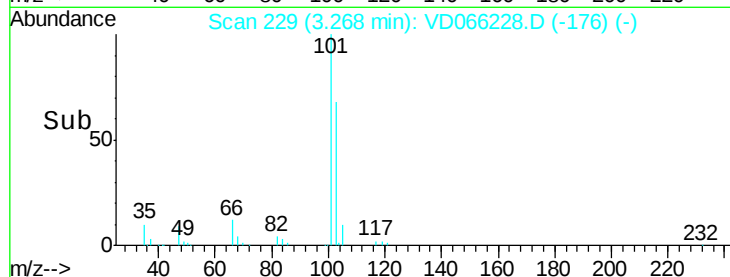
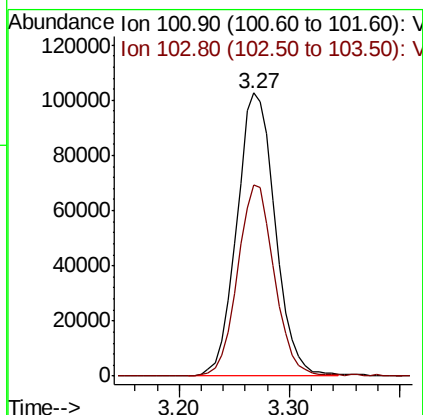
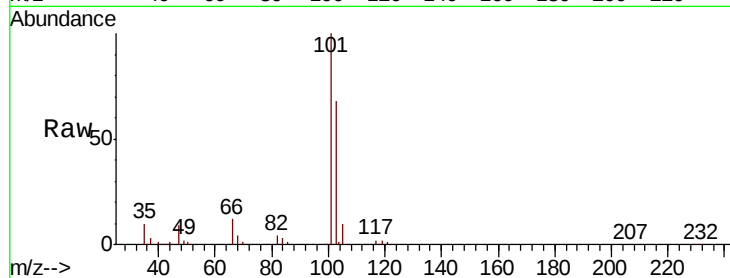


#7

Trichlorofluoromethane
 Concen: 46.632 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
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 VSTDCCC050

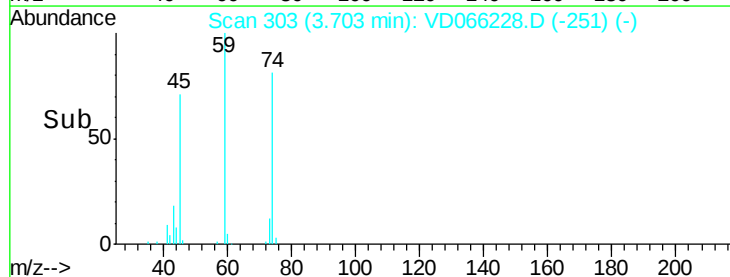
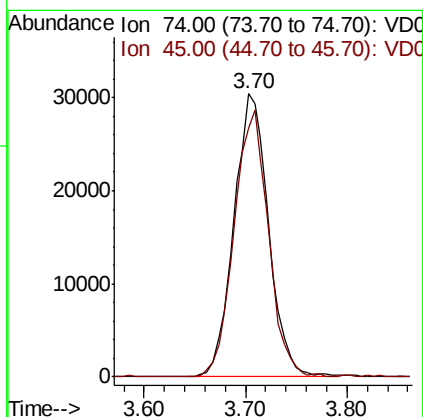
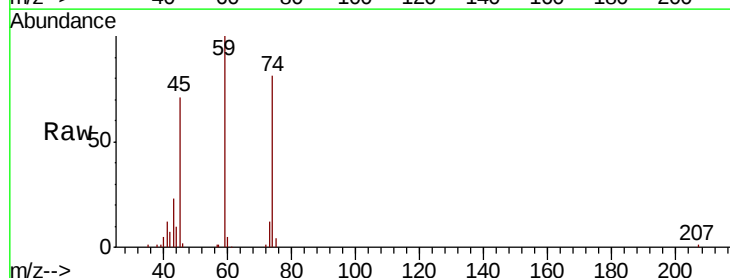
Tot Ion:101 Resp: 250040
 Ion Ratio Lower Upper
 101 100
 103 67.6 53.0 79.6

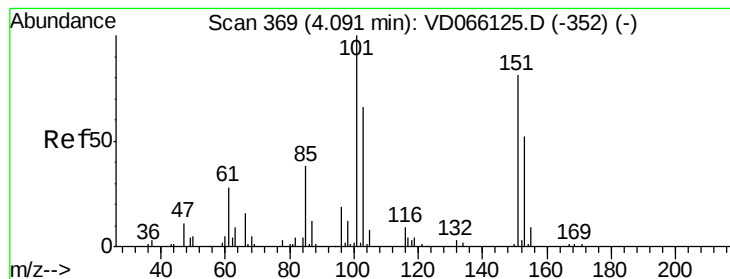


#8

Diethyl Ether
 Concen: 47.614 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion: 74 Resp: 72039
 Ion Ratio Lower Upper
 74 100
 45 93.4 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.036 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

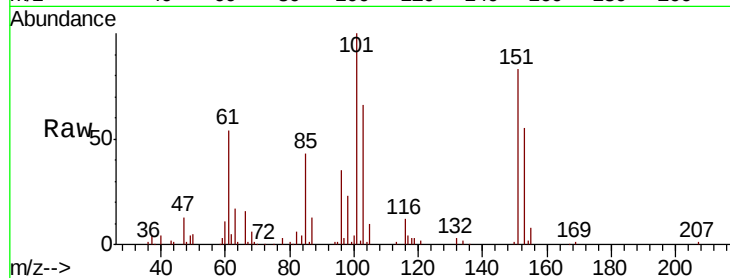
Tot Ion:101 Resp: 149678

Ion Ratio Lower Upper

101 100

85 42.4 33.5 50.3

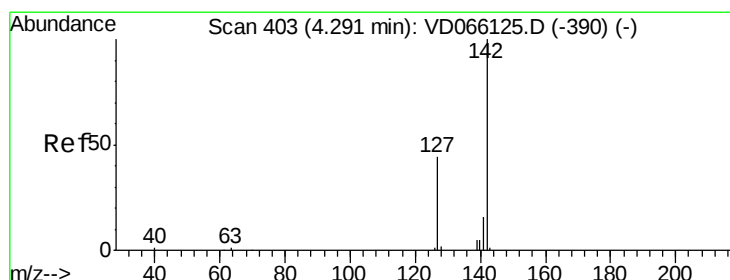
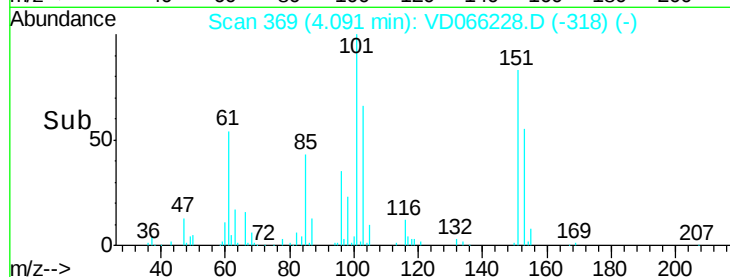
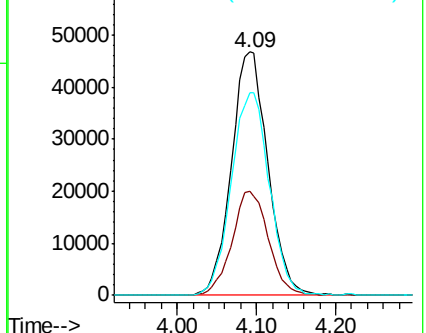
151 86.8 67.8 101.8



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: 54.716 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

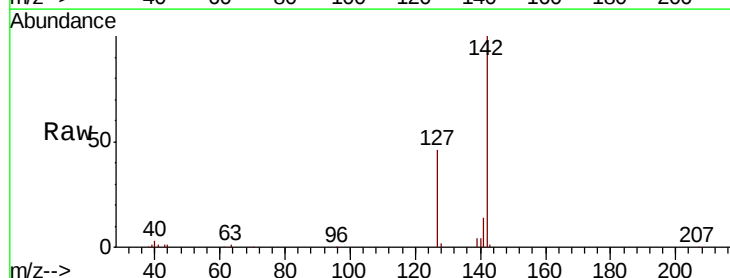
Tgt Ion:142 Resp: 160638

Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.4

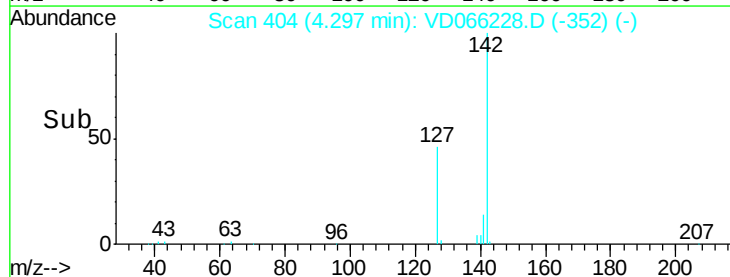
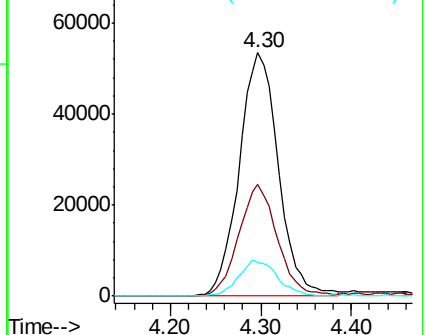
141 14.7 12.6 18.8



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



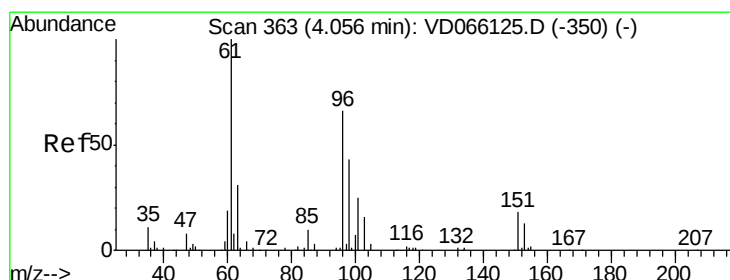
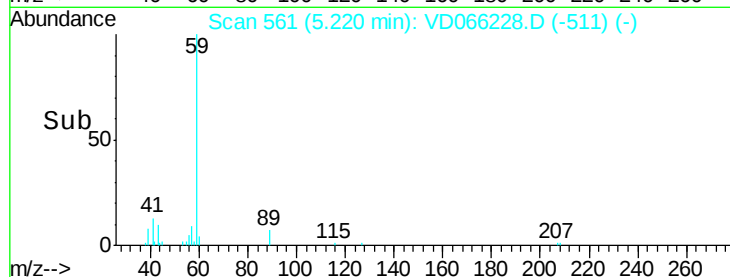
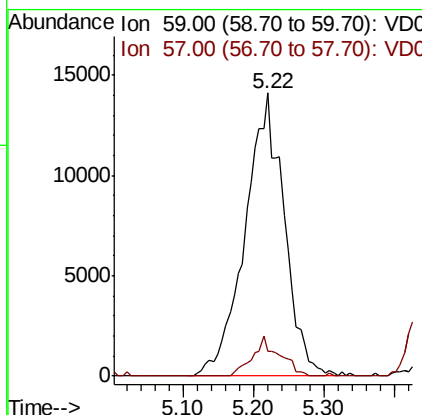
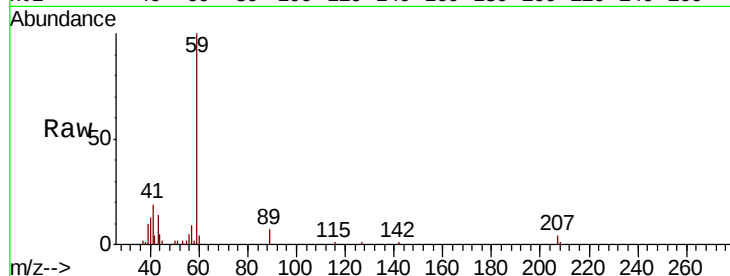


#11

Tert butyl alcohol
 Concen: 239.851 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

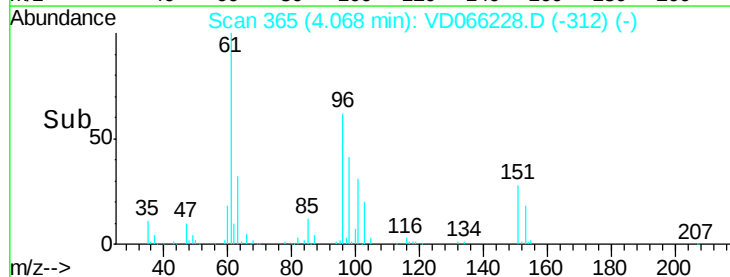
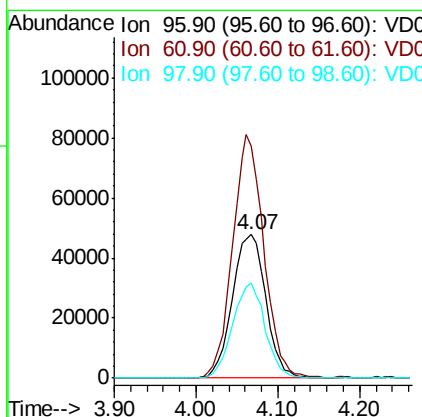
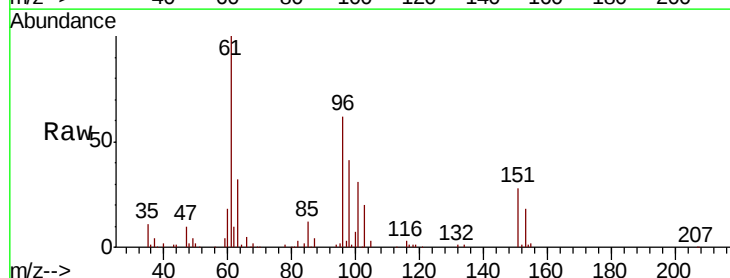
Tot Ion: 59 Resp: 54510
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.0 10.4

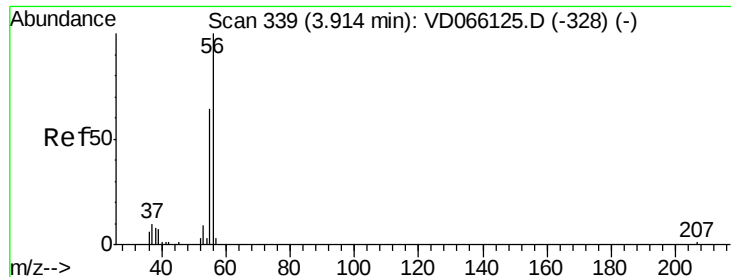


#12

1,1-Dichloroethene
 Concen: 45.354 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion: 96 Resp: 136150
 Ion Ratio Lower Upper
 96 100
 61 162.0 121.6 182.4
 98 66.1 52.0 78.0





#13

Acrolein

Concen: 210.218 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

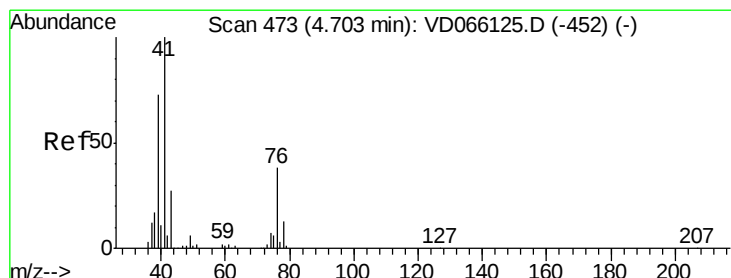
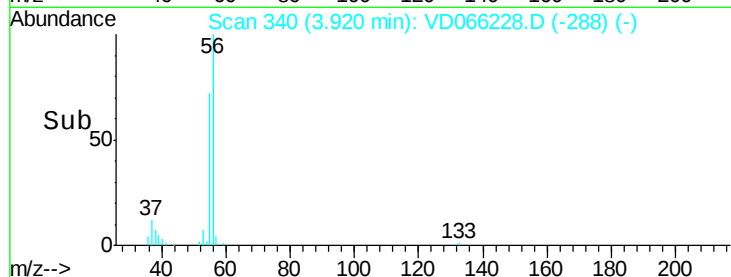
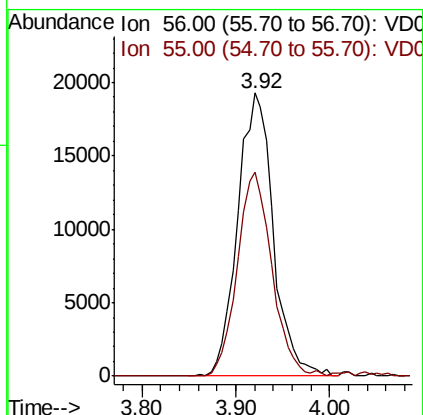
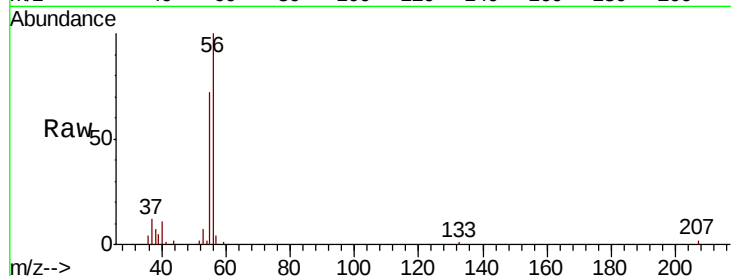
VSTDCCC050

Tot Ion: 56 Resp: 50602

Ion Ratio Lower Upper

56 100

55 70.1 56.7 85.1



#14

Allyl chloride

Concen: 47.364 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

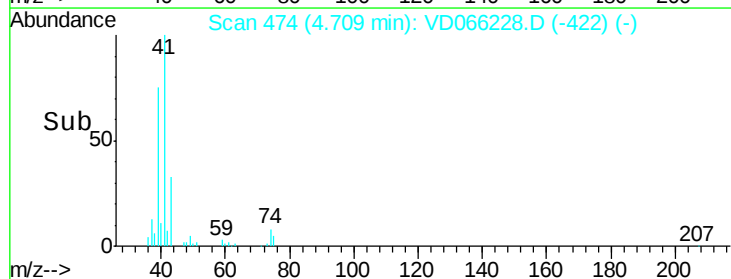
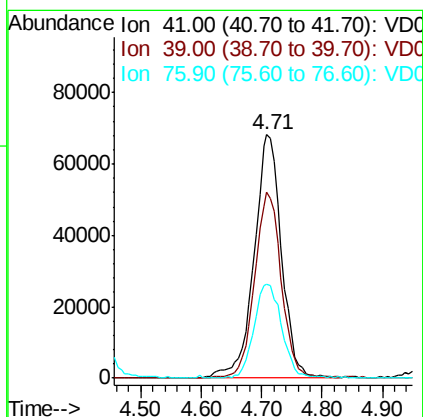
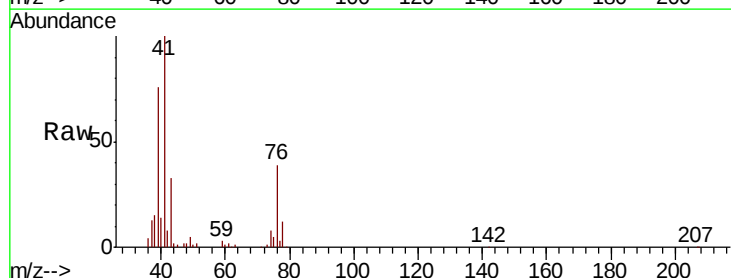
Tgt Ion: 41 Resp: 215405

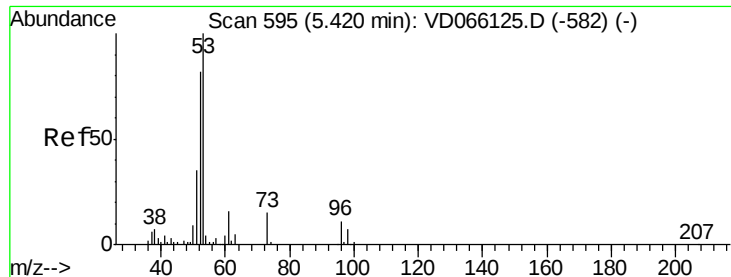
Ion Ratio Lower Upper

41 100

39 74.2 57.4 86.0

76 38.2 30.1 45.1





#15

Acrylonitrile

Concen: 247.133 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

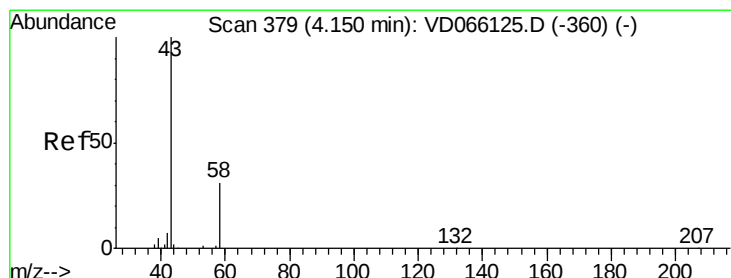
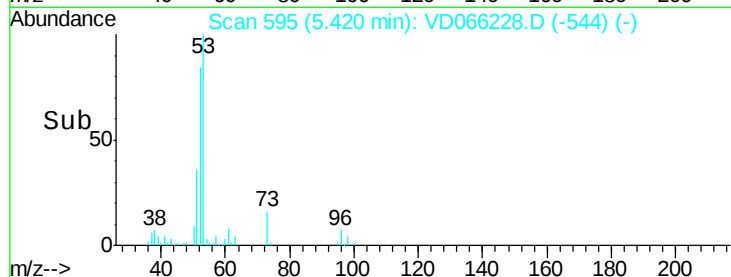
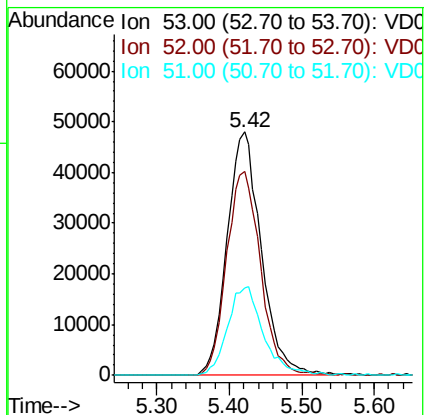
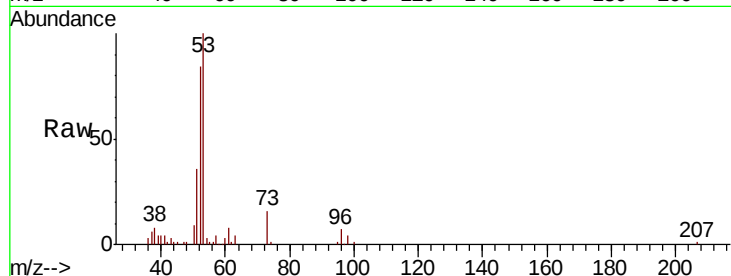
Tot Ion: 53 Resp: 157560

Ion Ratio Lower Upper

53 100

52 82.8 66.1 99.1

51 38.1 30.8 46.2



#16

Acetone

Concen: 324.517 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066228.D

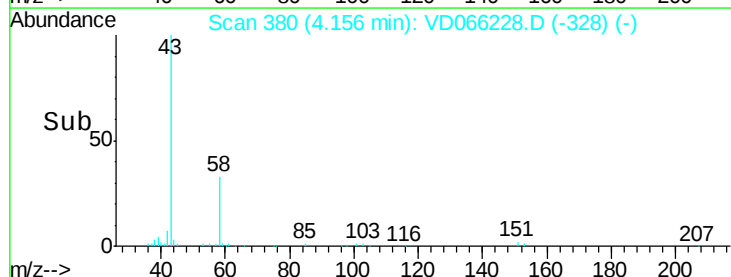
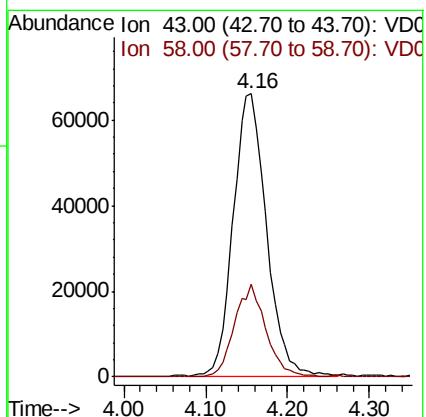
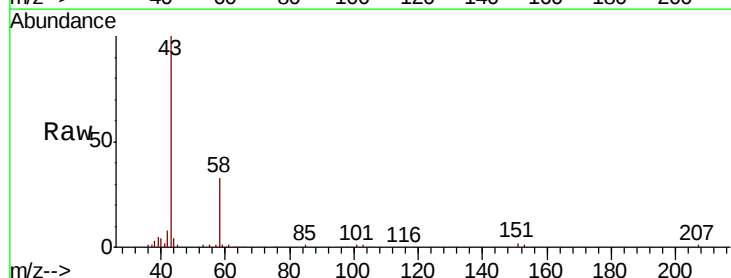
Acq: 14 Aug 2020 11:12

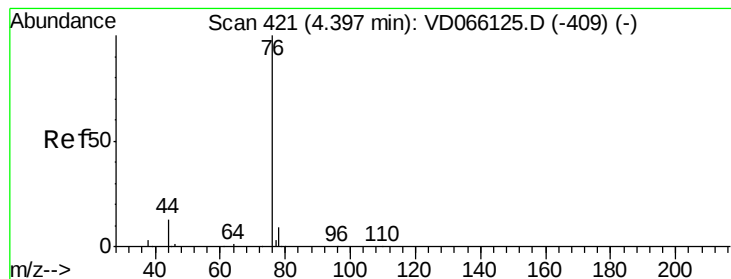
Tgt Ion: 43 Resp: 186208

Ion Ratio Lower Upper

43 100

58 32.9 24.7 37.1





#17

Carbon Disulfide

Concen: 41.731 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

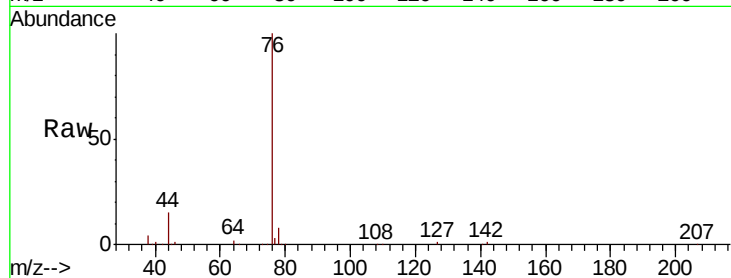
VSTDCCC050

Tot Ion: 76 Resp: 398317

Ion Ratio Lower Upper

76 100

78 8.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

150000

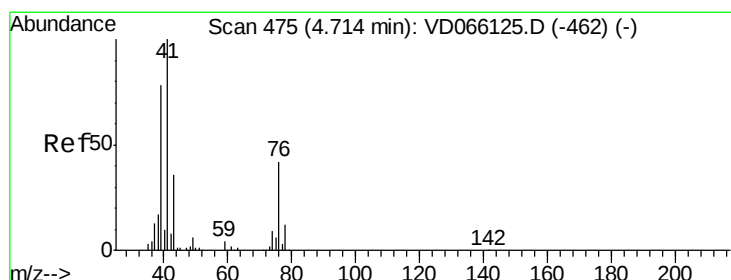
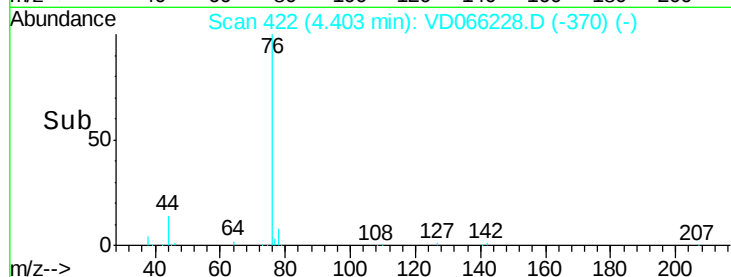
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 47.179 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066228.D

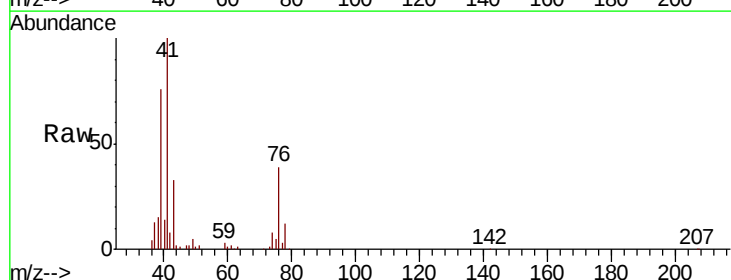
Acq: 14 Aug 2020 11:12

Tgt Ion: 43 Resp: 68762

Ion Ratio Lower Upper

43 100

74 26.1 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

15000

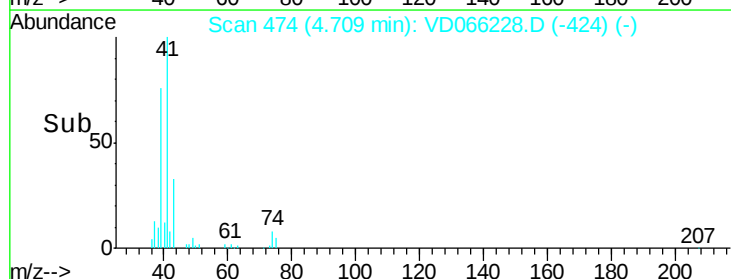
10000

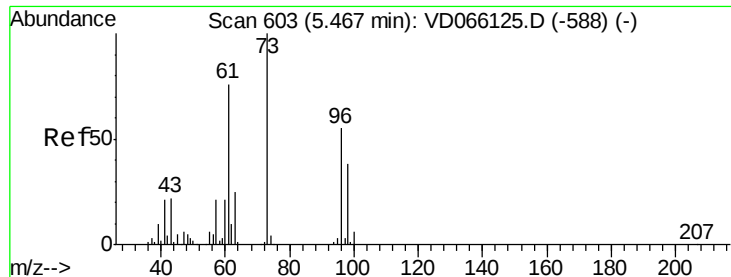
5000

0

4.60 4.70 4.80

Time-->



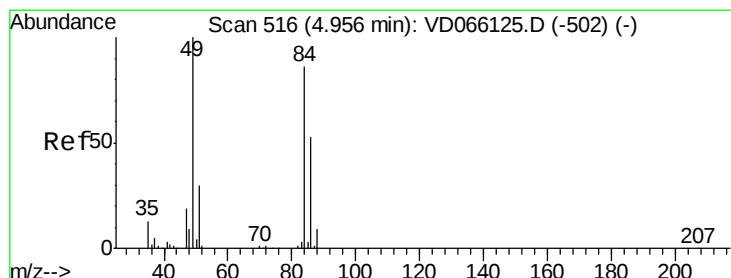
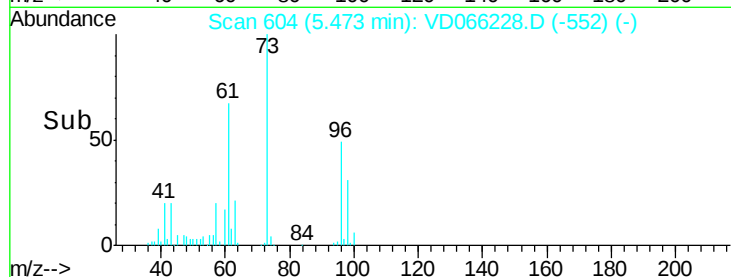
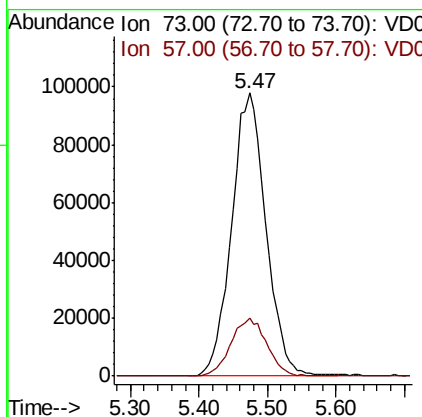
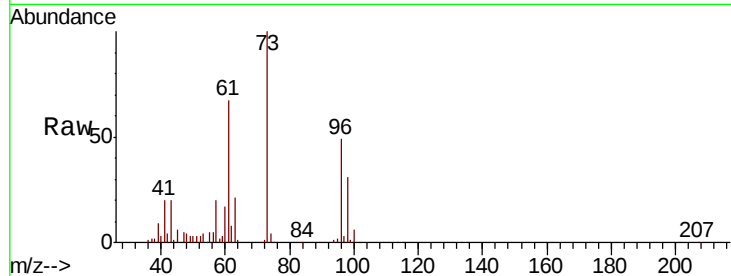


#19

Methyl tert-butyl Ether
 Concen: 49.393 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

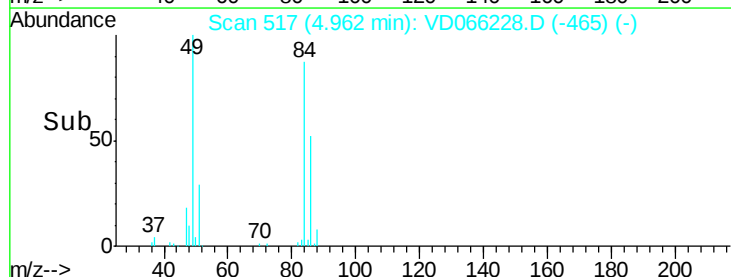
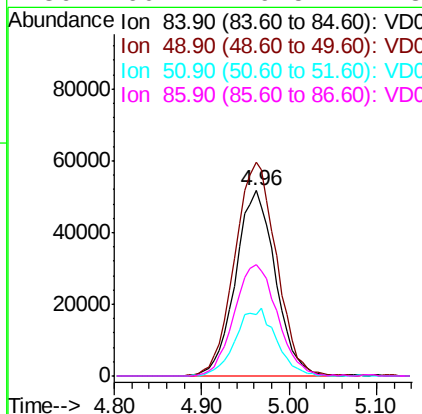
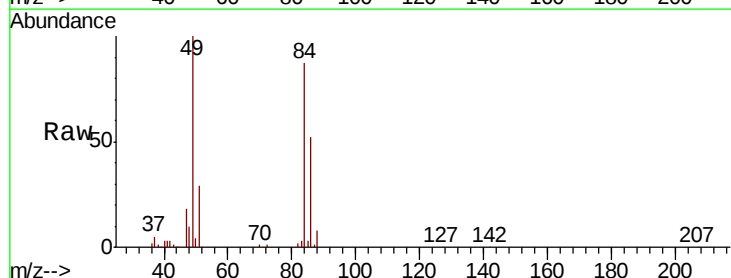
Tot Ion: 73 Resp: 339851
 Ion Ratio Lower Upper
 73 100
 57 20.4 17.1 25.7

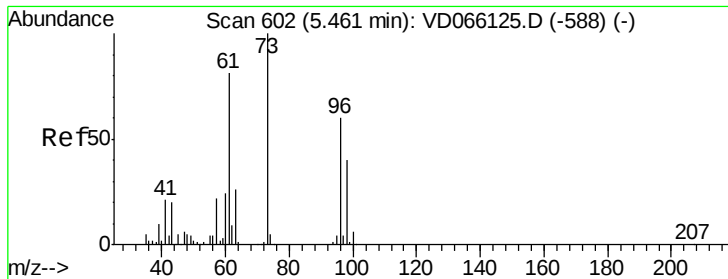


#20

Methylene Chloride
 Concen: 48.319 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion: 84 Resp: 159742
 Ion Ratio Lower Upper
 84 100
 49 114.9 93.5 140.3
 51 32.9 28.2 42.4
 86 60.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 45.418 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

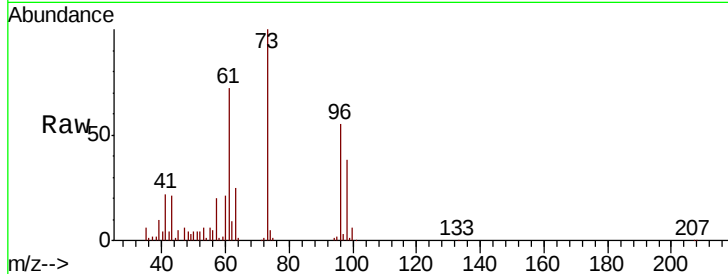
Tot Ion: 96 Resp: 156625

Ion Ratio Lower Upper

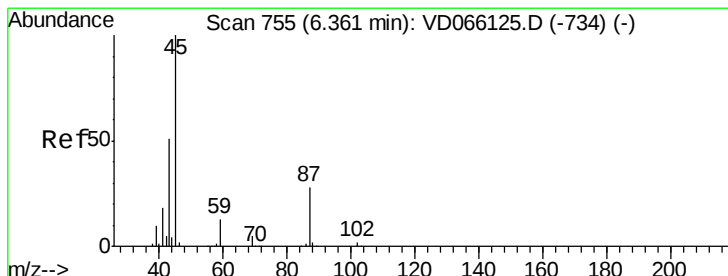
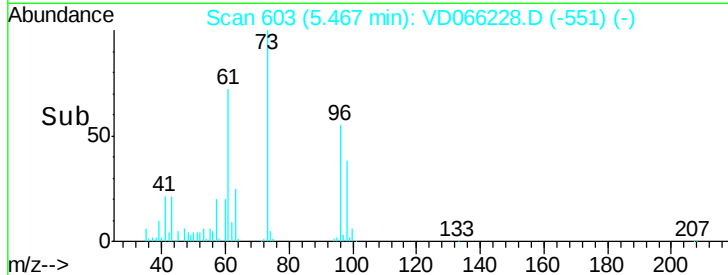
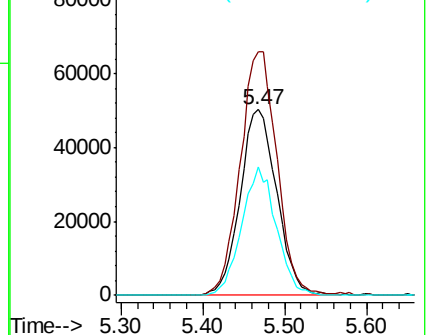
96 100

61 131.3 106.9 160.3

98 69.1 53.4 80.0



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



#22

Diisopropyl ether

Concen: 47.417 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Tgt Ion: 45 Resp: 426438

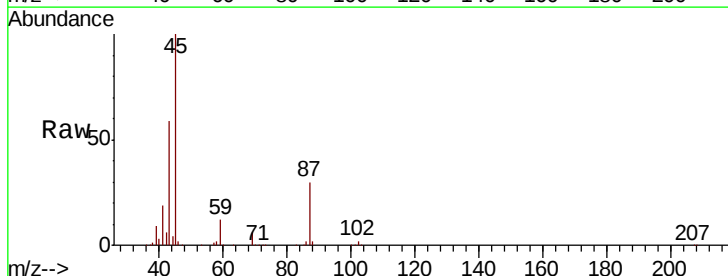
Ion Ratio Lower Upper

45 100

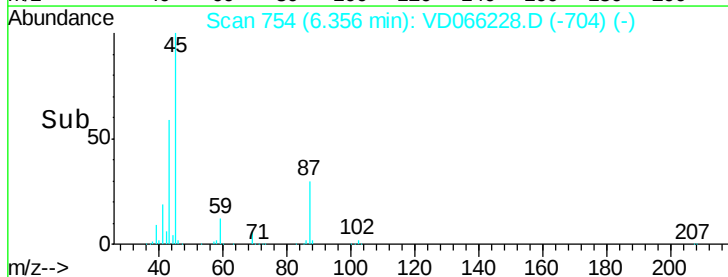
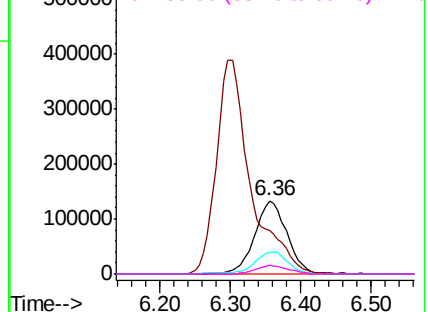
43 58.5 41.2 61.8

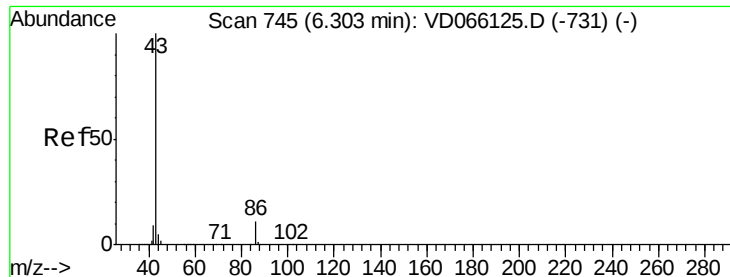
87 29.8 22.8 34.2

59 12.1 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 249.227 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

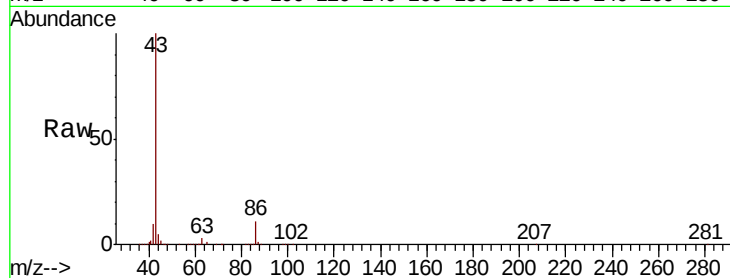
VSTDCCC050

Tot Ion: 43 Resp: 1313109

Ion Ratio Lower Upper

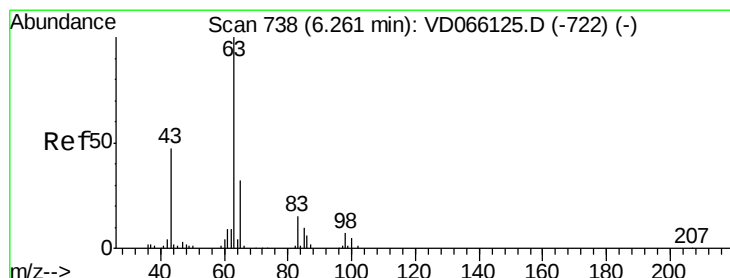
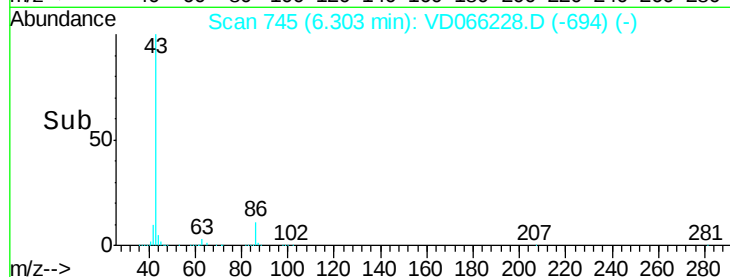
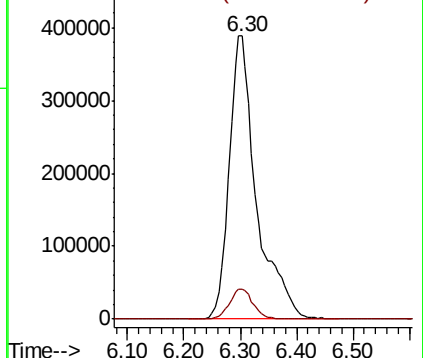
43 100

86 10.8 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.068 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

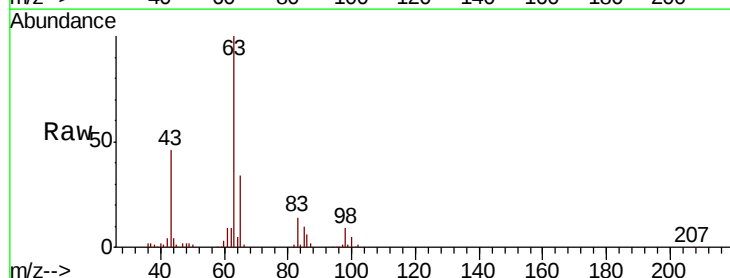
Tgt Ion: 63 Resp: 261966

Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.5

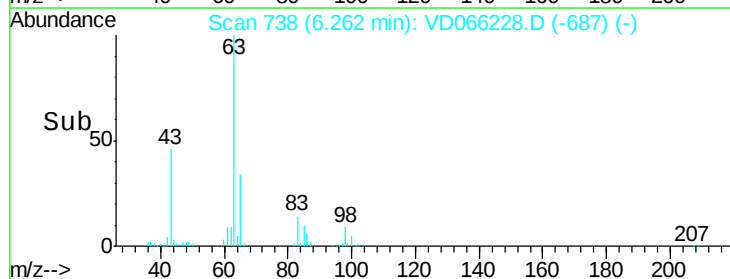
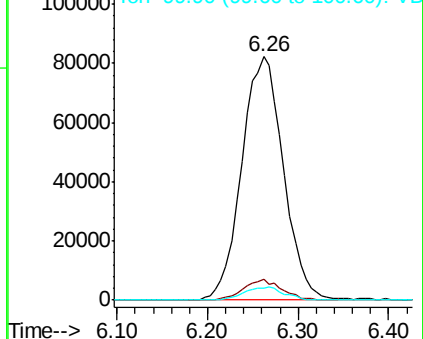
100 4.8 2.4 7.2

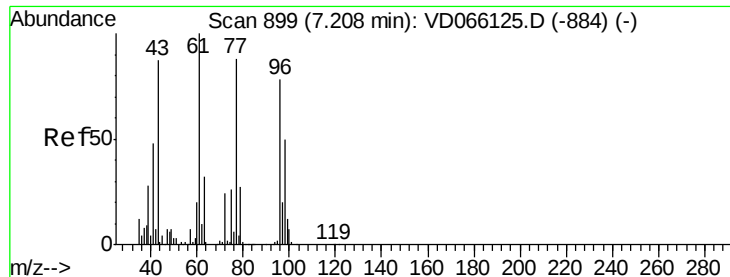


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

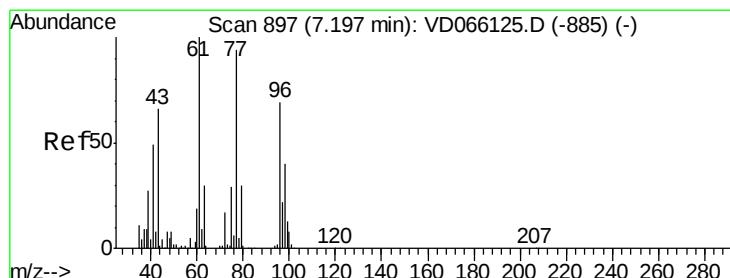
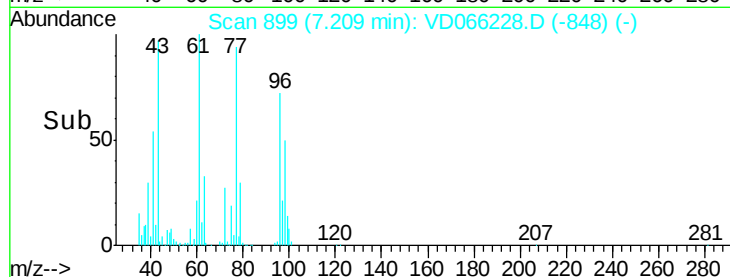
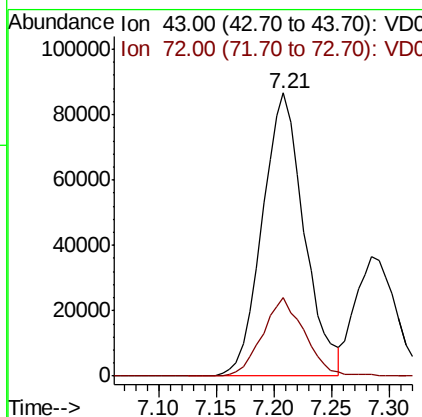
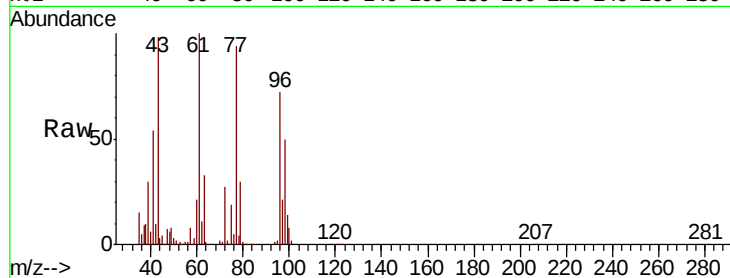




#25
2-Butanone
Concen: 260.334 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

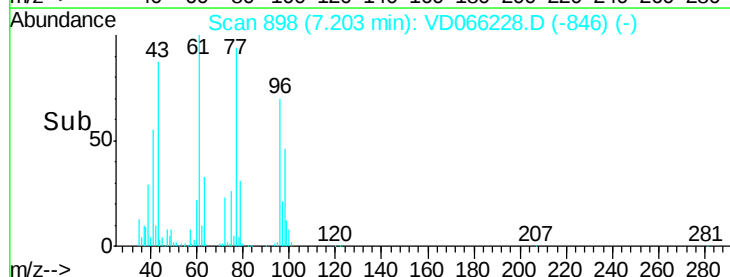
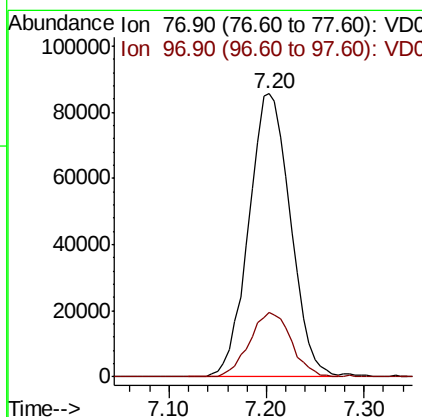
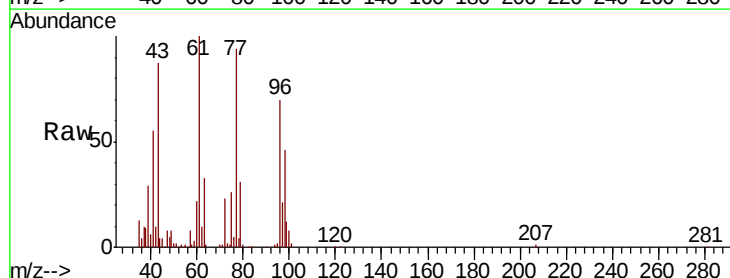
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

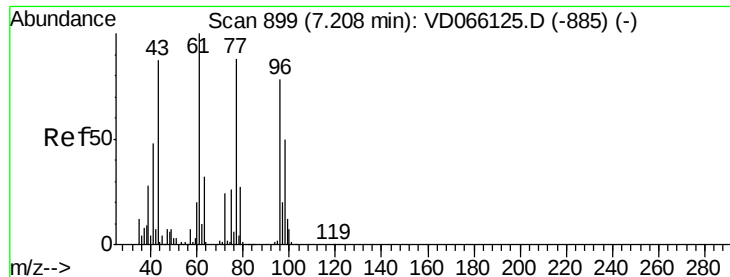
Tot Ion: 43 Resp: 219710
Ion Ratio Lower Upper
43 100
72 27.8 22.2 33.2



#26
2,2-Dichloropropane
Concen: 51.378 ug/l
RT: 7.20 min Scan# 898
Delta R.T. 0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 77 Resp: 256291
Ion Ratio Lower Upper
77 100
97 22.9 11.8 35.3



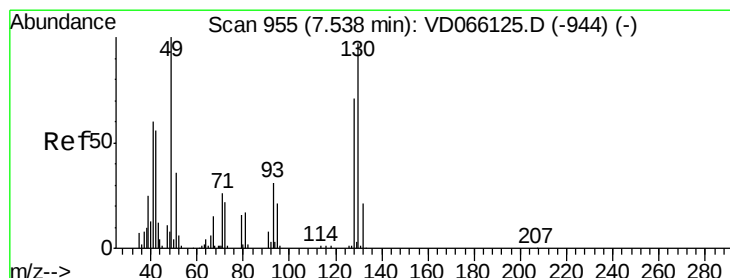
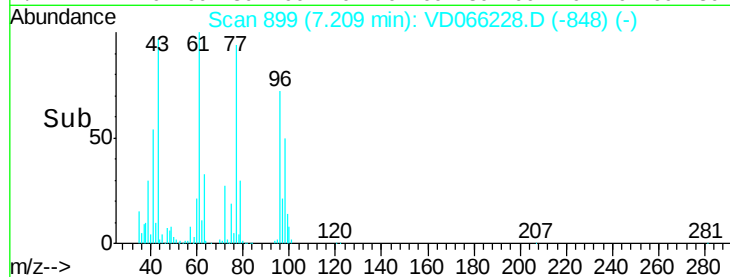
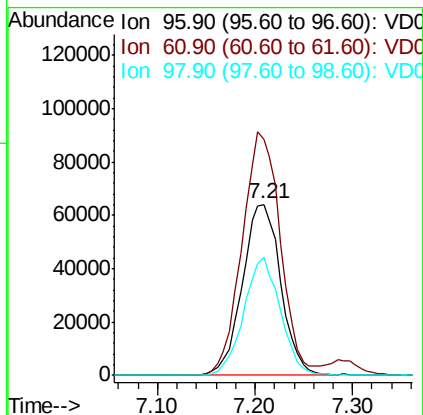
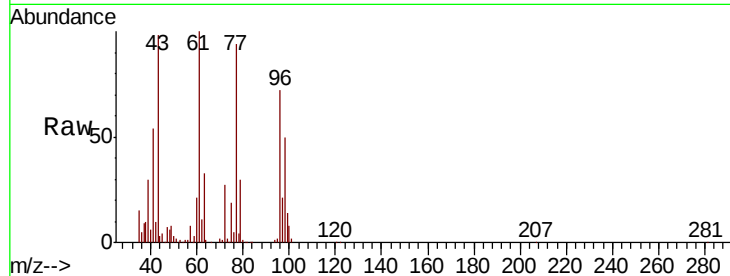


#27

cis-1,2-Dichloroethene
Concen: 48.566 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

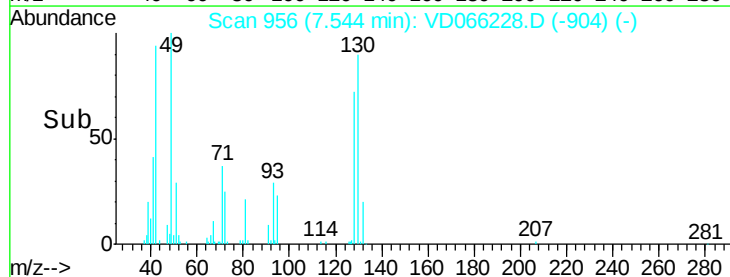
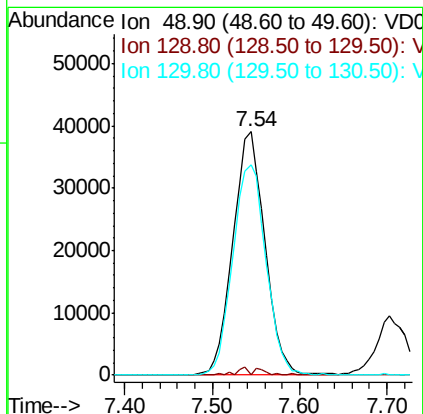
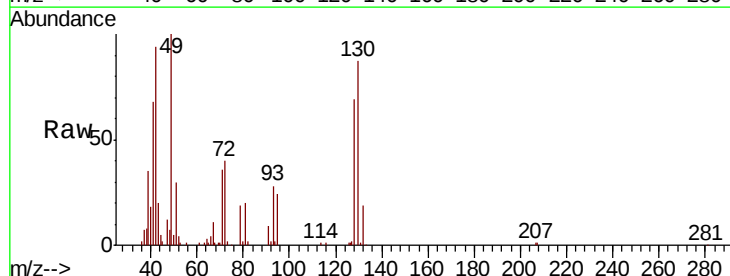
Tot Ion: 96 Resp: 175669
Ion Ratio Lower Upper
96 100
61 142.1 0.0 281.6
98 65.7 0.0 130.8

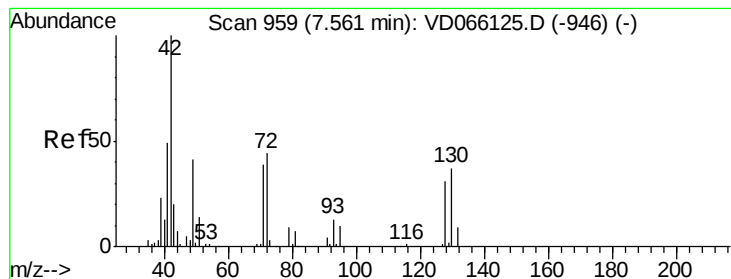


#28

Bromochloromethane
Concen: 49.482 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 49 Resp: 96728
Ion Ratio Lower Upper
49 100
129 1.0 0.0 6.0
130 89.7 73.8 110.6





#29

Tetrahydrofuran

Concen: 244.458 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

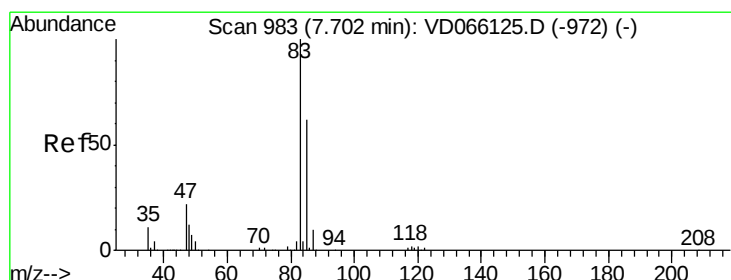
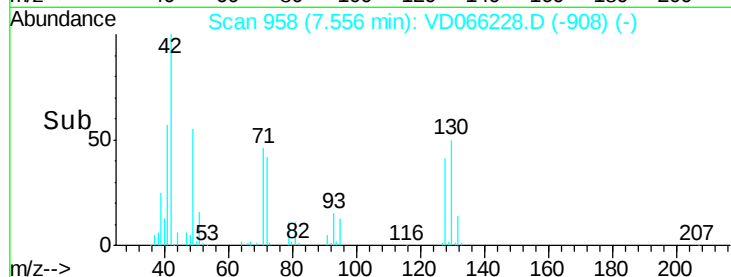
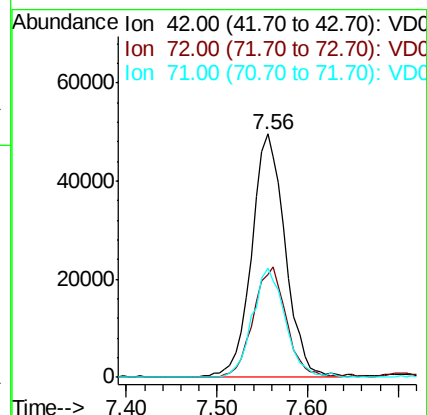
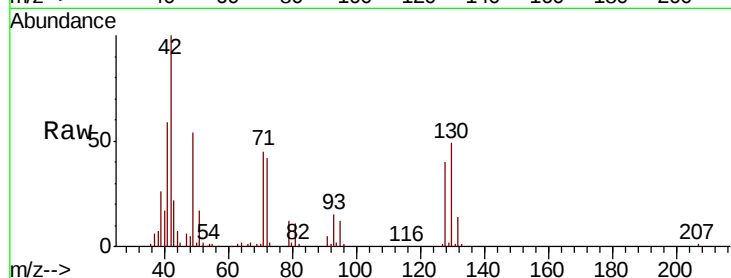
Tot Ion: 42 Resp: 127823

Ion Ratio Lower Upper

42 100

72 44.9 34.8 52.2

71 43.5 33.5 50.3



#30

Chloroform

Concen: 48.803 ug/l

RT: 7.70 min Scan# 983

Delta R.T. 0.00 min

Lab File: VD066228.D

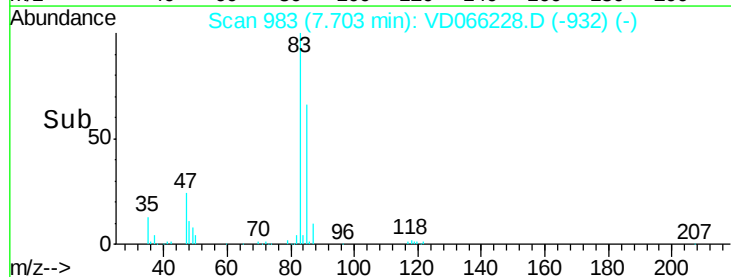
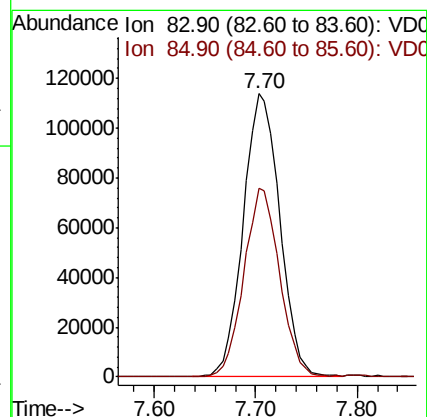
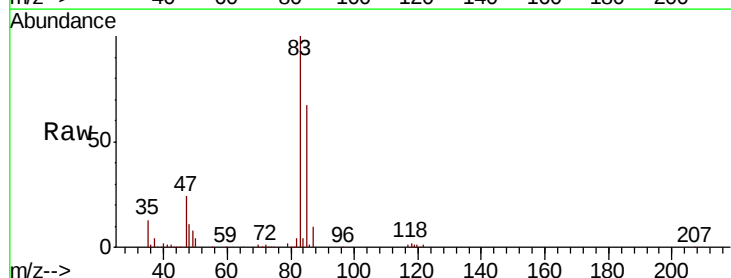
Acq: 14 Aug 2020 11:12

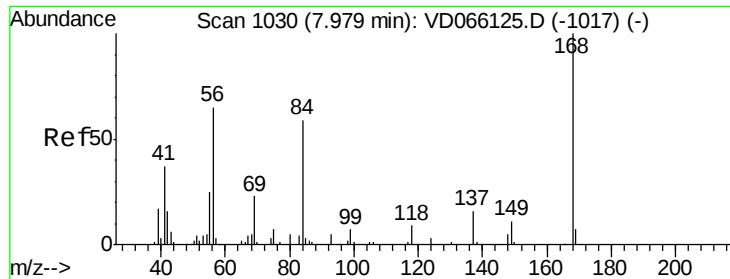
Tgt Ion: 83 Resp: 285215

Ion Ratio Lower Upper

83 100

85 66.6 49.5 74.3

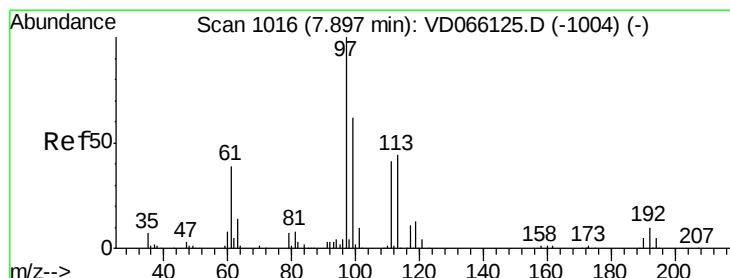
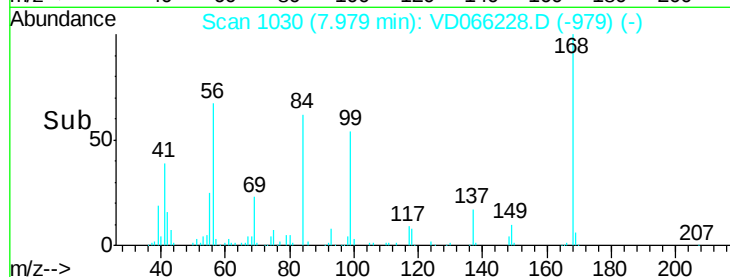
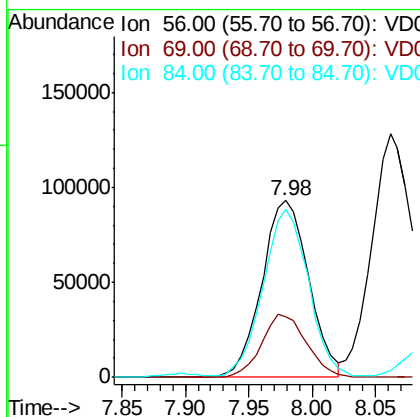
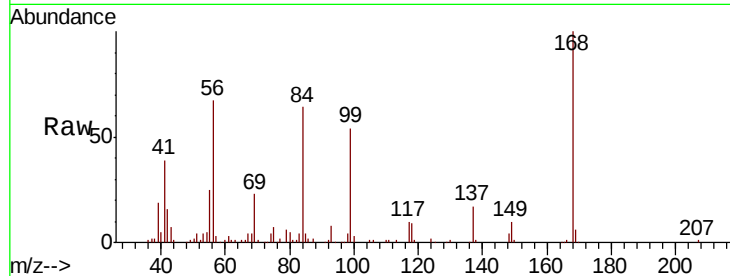




#31
Cyclohexane
Concen: 45.038 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

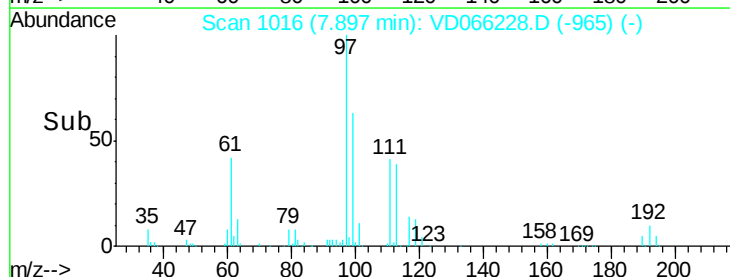
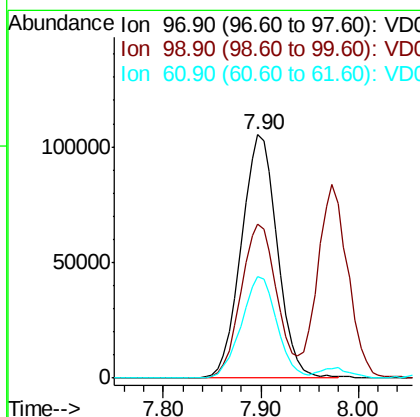
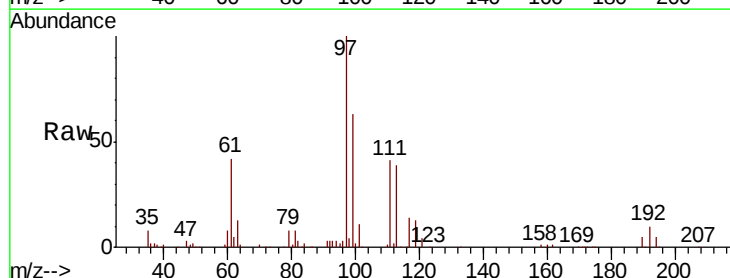
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

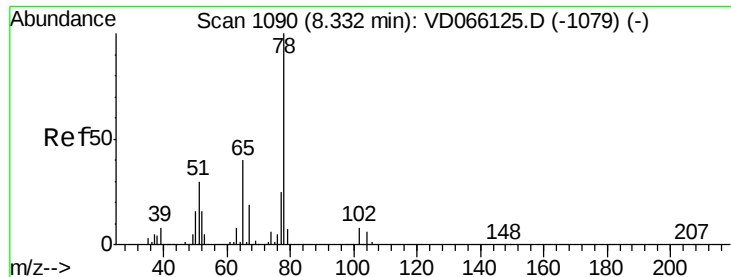
Tot Ion	56	Resp	238612
Ion Ratio	Lower	Upper	
56	100		
69	34.5	28.8	43.2
84	93.4	73.0	109.6



#32
1,1,1-Trichloroethane
Concen: 49.211 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	97	Resp	269656
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.1	76.7
61	41.4	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 49.519 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

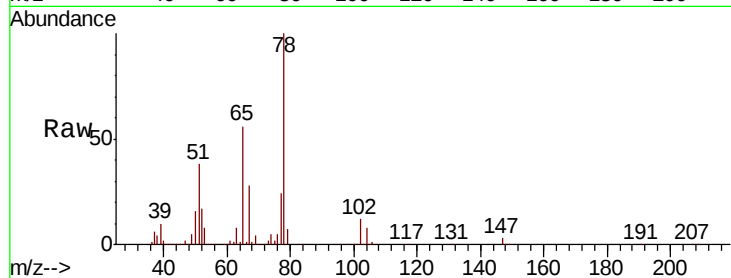
VSTDCCC050

Tot Ion: 65 Resp: 149750

Ion Ratio Lower Upper

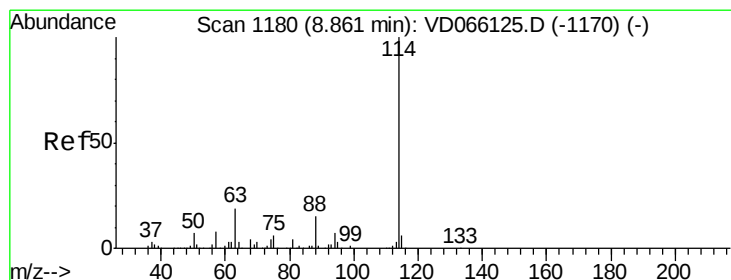
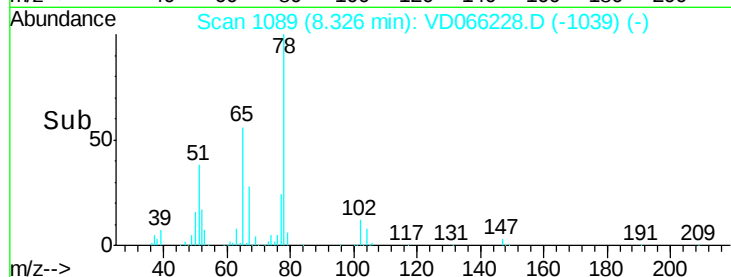
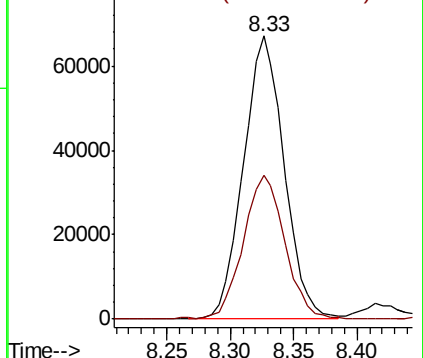
65 100

67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

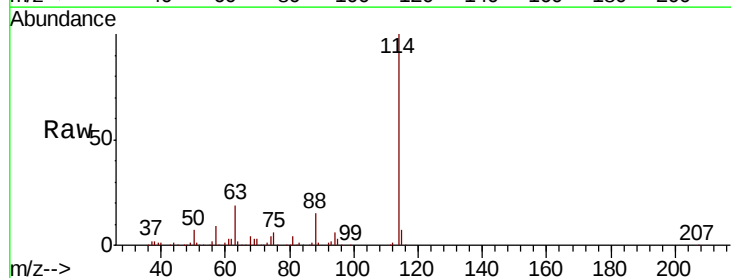
Tgt Ion: 114 Resp: 485287

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

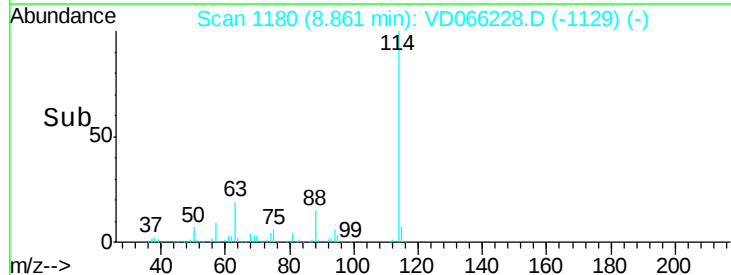
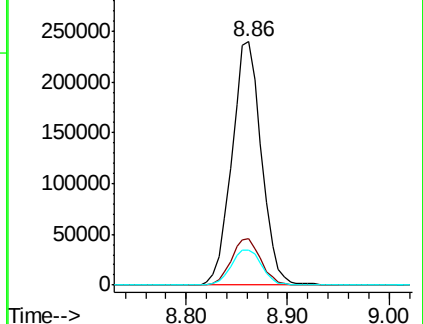
88 14.5 0.0 30.0

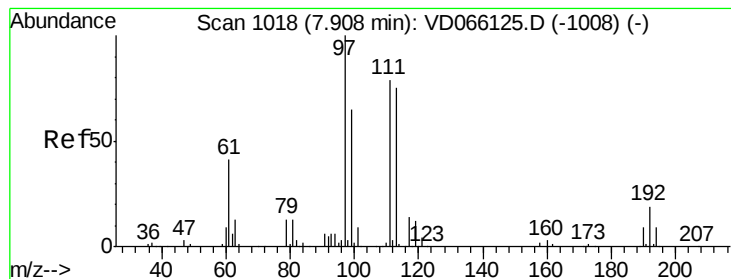


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.437 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

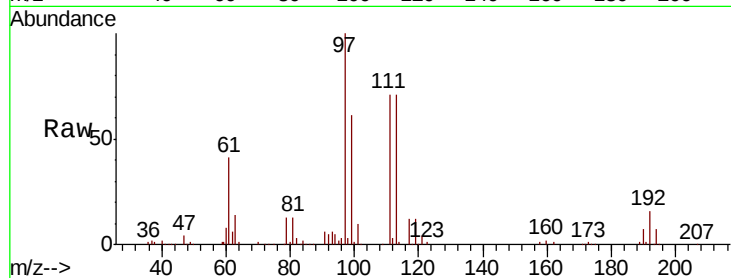
Tot Ion:113 Resp: 151980

Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

192 23.1 18.4 27.6



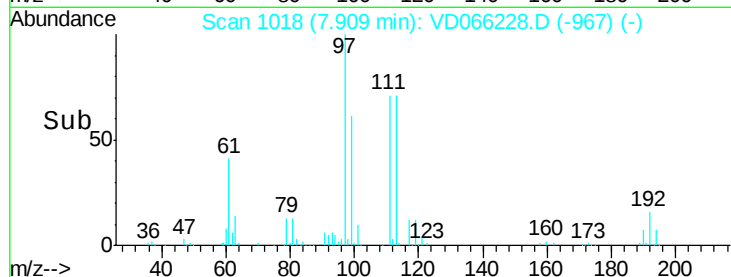
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

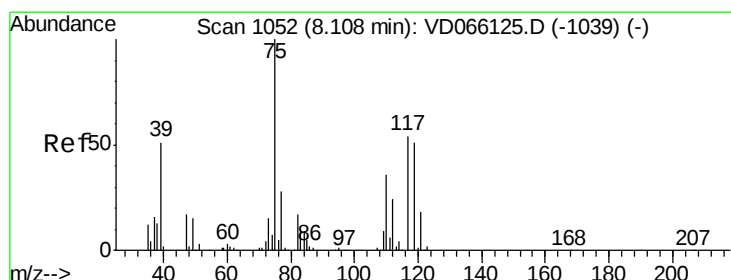
7.91

Time-->



7.91

Time-->



#36

1,1-Dichloropropene

Concen: 48.035 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

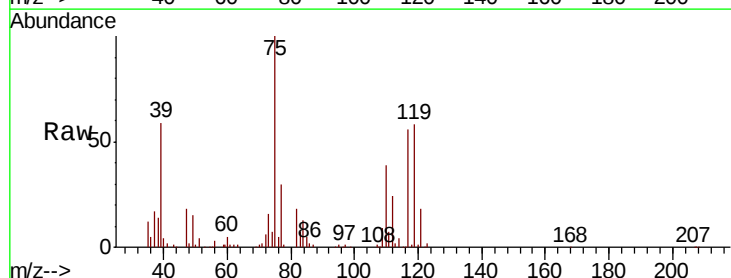
Tgt Ion: 75 Resp: 219051

Ion Ratio Lower Upper

75 100

110 37.7 18.8 56.3

77 31.1 24.2 36.2



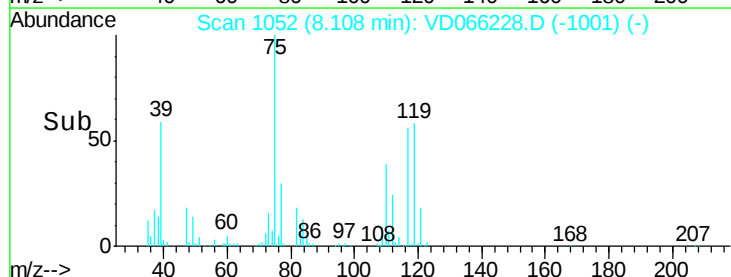
Abundance Ion 74.90 (74.60 to 75.60): V

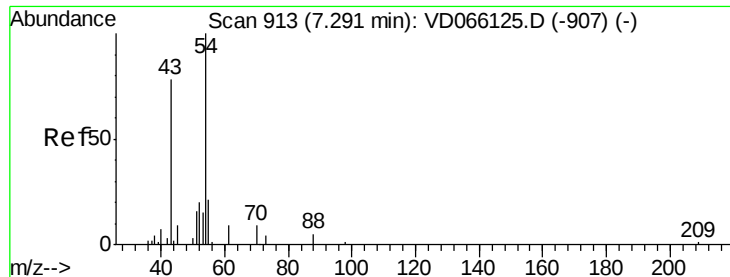
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

8.11

Time-->

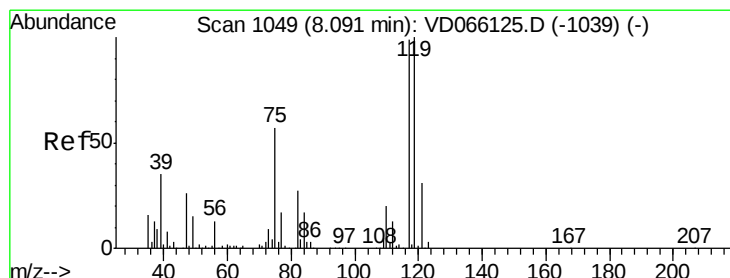
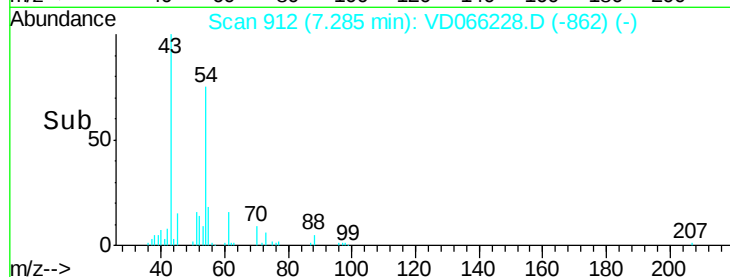
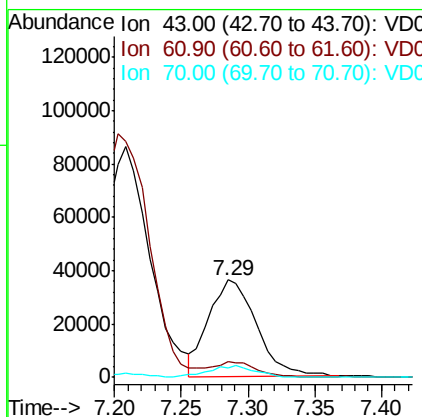
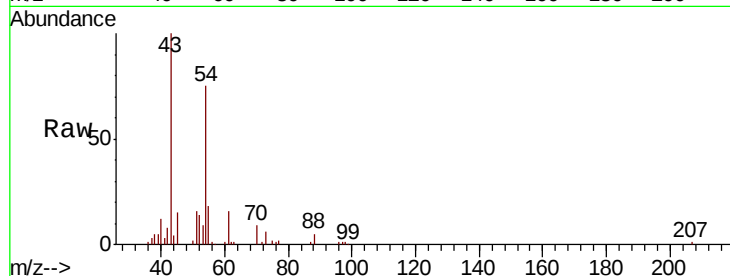




#37
Ethyl Acetate
Concen: 49.917 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

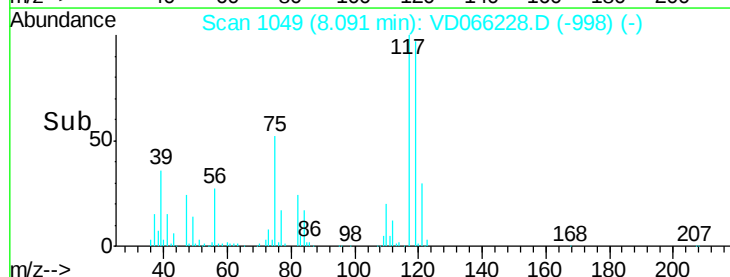
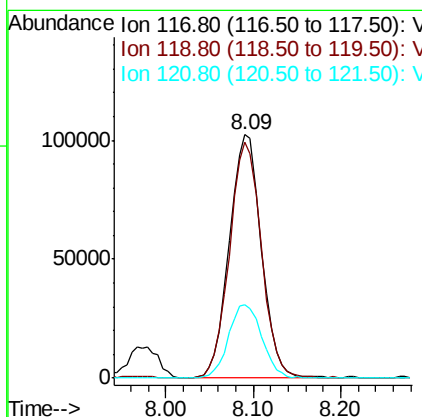
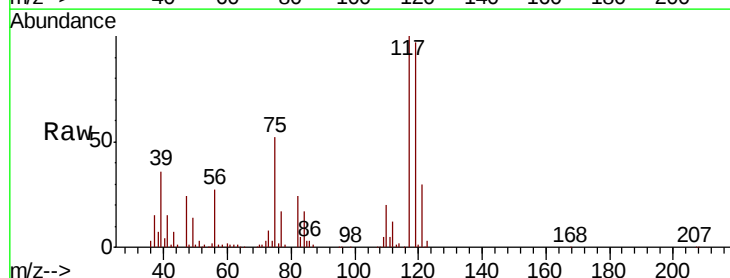
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

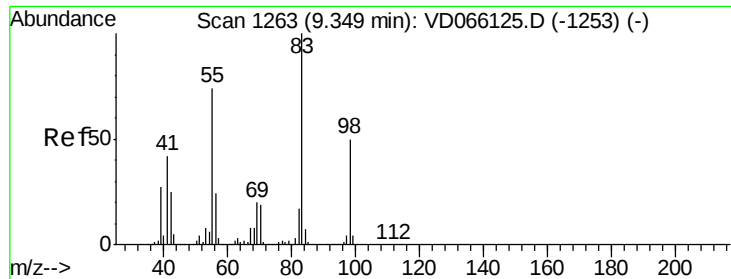
Tot Ion: 43 Resp: 90191
Ion Ratio Lower Upper
43 100
61 13.4 12.0 18.0
70 11.4 9.7 14.5



#38
Carbon Tetrachloride
Concen: 50.007 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 117 Resp: 254305
Ion Ratio Lower Upper
117 100
119 97.0 81.0 121.4
121 29.9 24.8 37.2

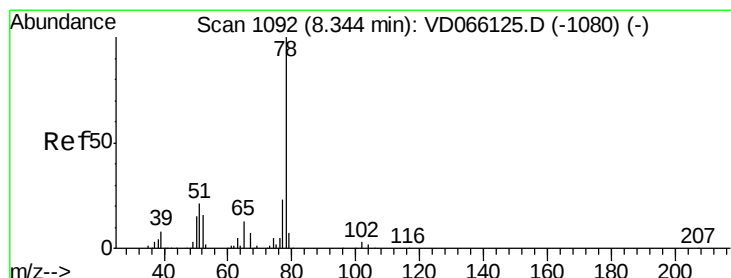
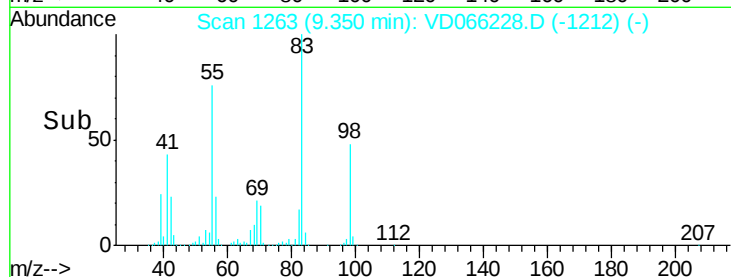
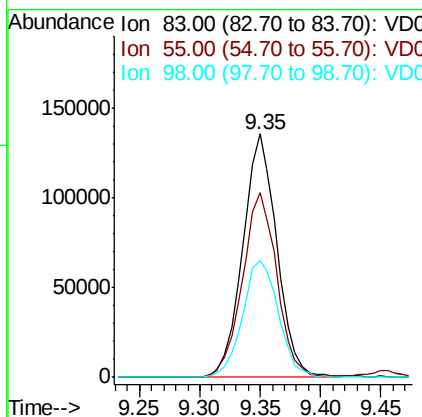
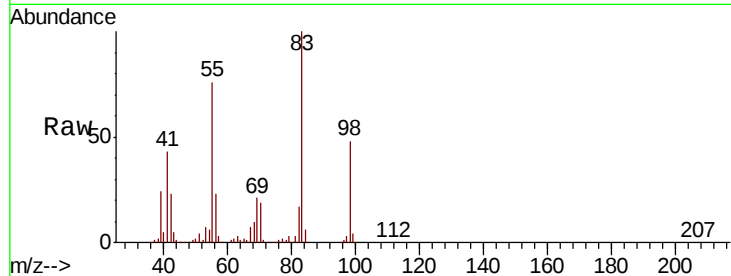




#39
Methvlcvclohexane
Concen: 48.489 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

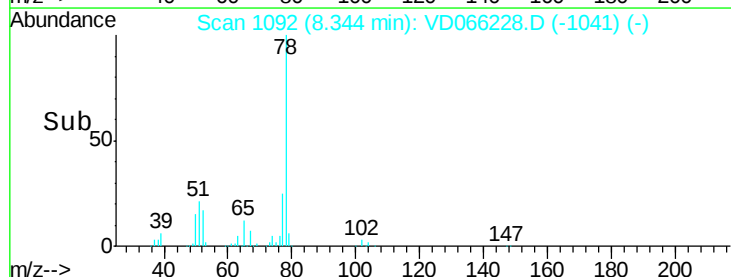
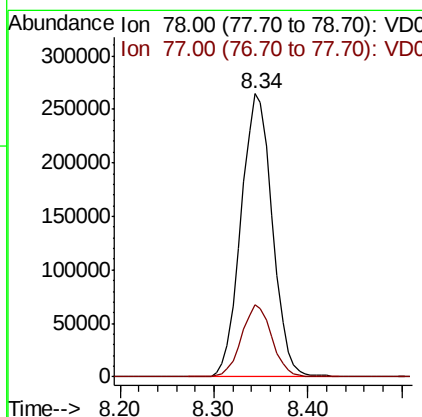
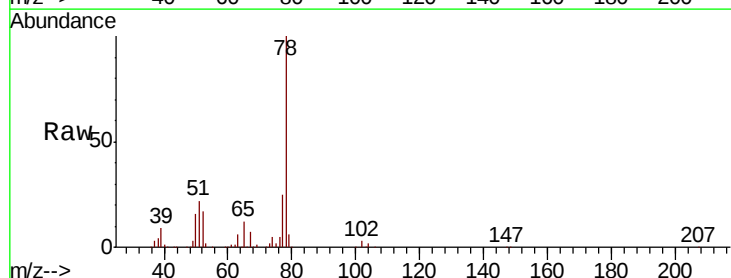
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

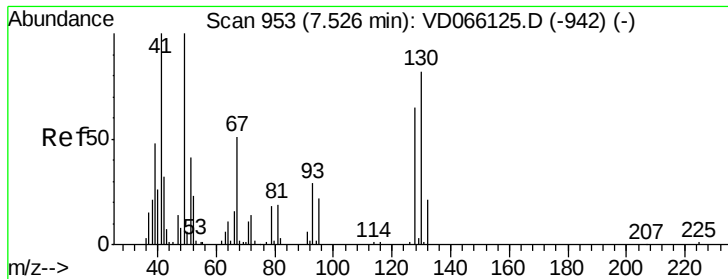
Tot Ion: 83 Resp: 267300
Ion Ratio Lower Upper
83 100
55 75.9 59.2 88.8
98 48.0 39.8 59.6



#40
Benzene
Concen: 48.294 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 78 Resp: 610938
Ion Ratio Lower Upper
78 100
77 25.4 18.6 27.8

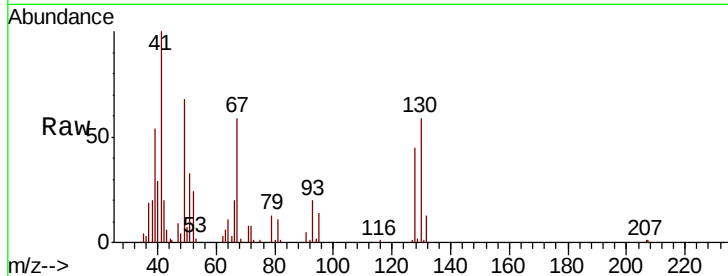




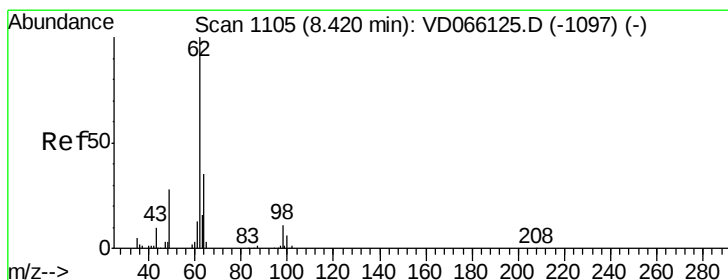
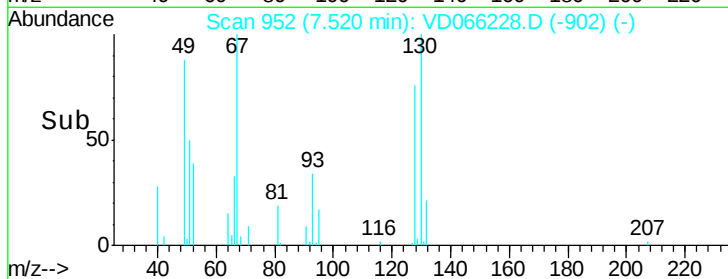
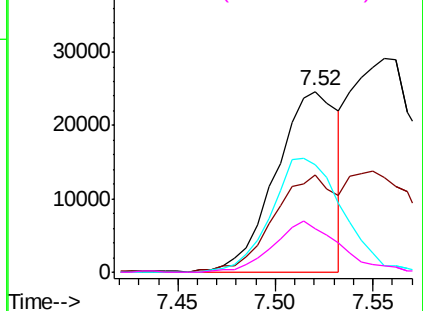
#41
Methacrylonitrile
Concen: 51.067 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	54251
Ion	Ratio	Lower	Upper
41	100		
39	54.0	47.5	71.3
67	73.1	59.1	88.7
52	30.8	25.4	38.0

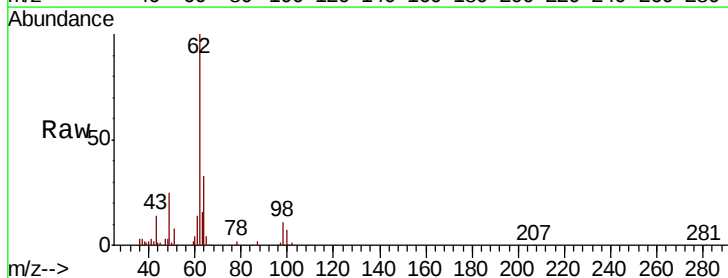


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

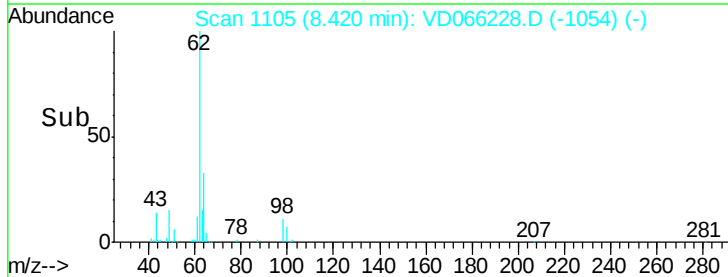
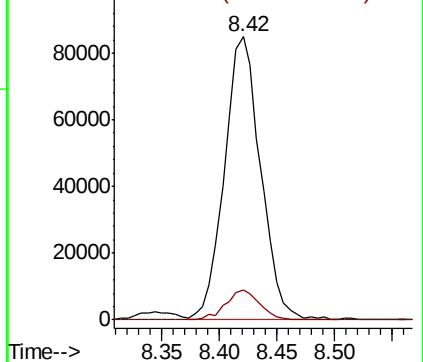


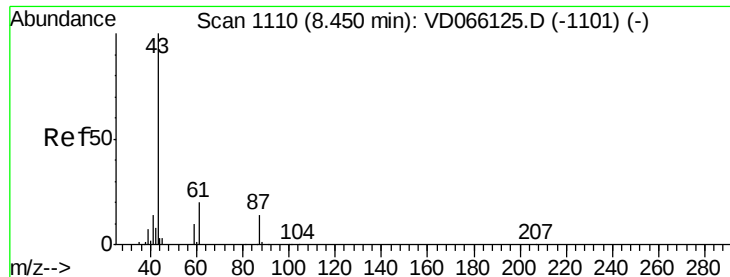
#42
1,2-Dichloroethane
Concen: 49.244 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion:	62	Resp:	183008
Ion	Ratio	Lower	Upper
62	100		
98	10.0	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: 51.158 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

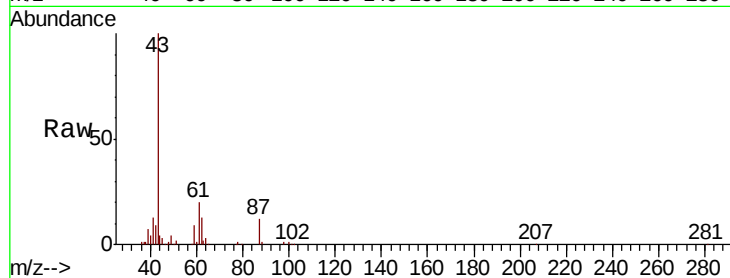
Tot Ion: 43 Resp: 182122

Ion Ratio Lower Upper

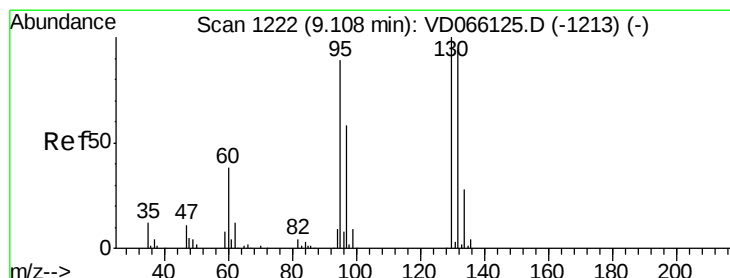
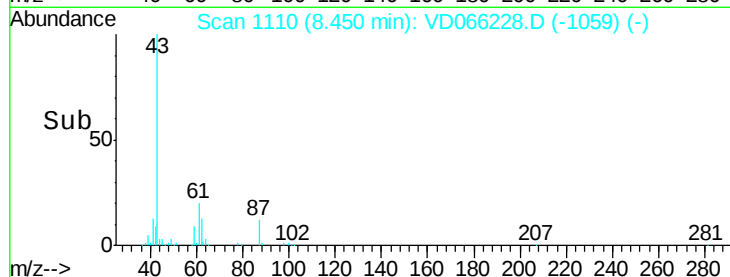
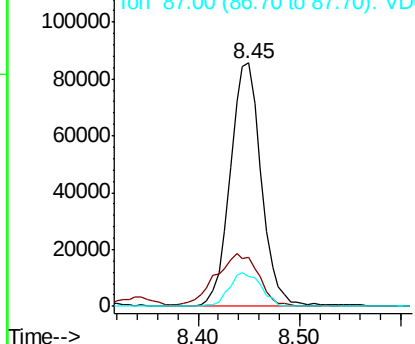
43 100

61 30.1 25.5 38.3

87 14.3 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: 48.045 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066228.D

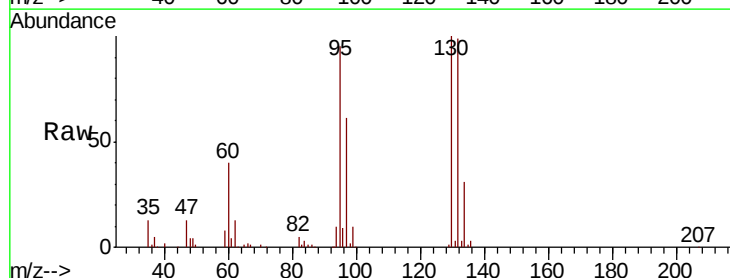
Acq: 14 Aug 2020 11:12

Tgt Ion: 130 Resp: 183149

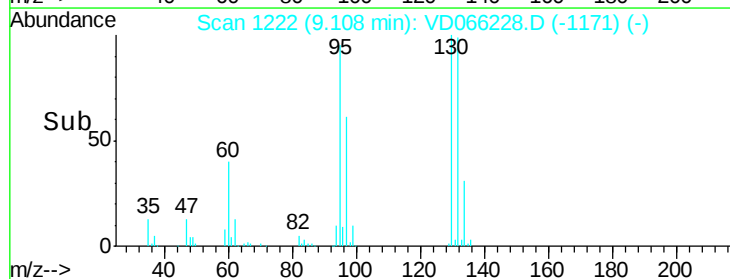
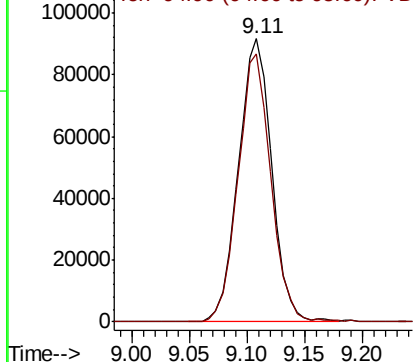
Ion Ratio Lower Upper

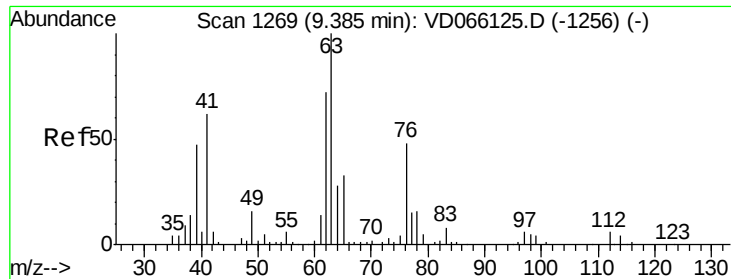
130 100

95 94.6 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: 47.971 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

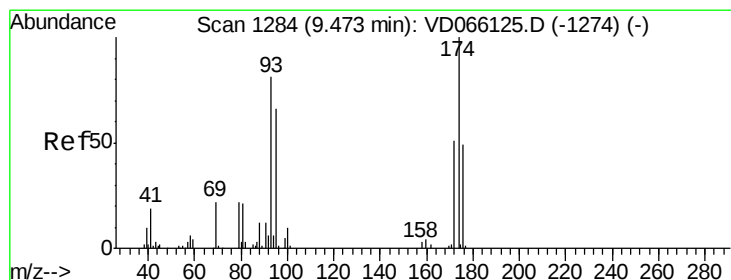
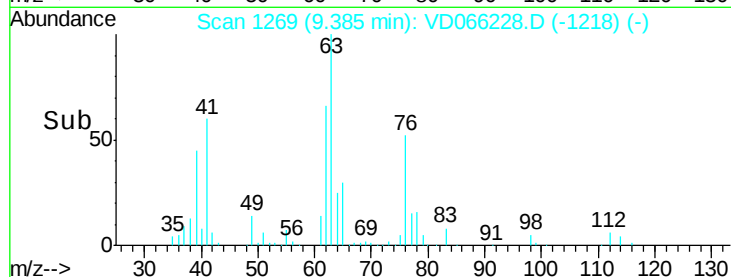
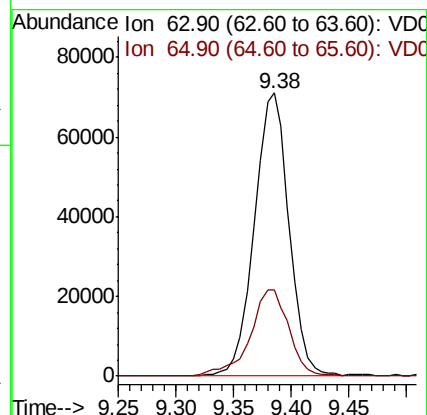
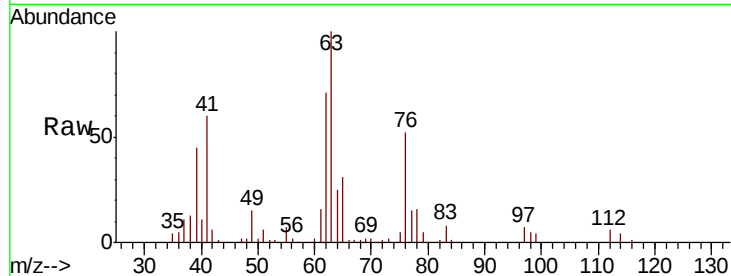
VSTDCCC050

Tot Ion: 63 Resp: 148419

Ion Ratio Lower Upper

63 100

65 30.6 26.5 39.7



#46

Dibromomethane

Concen: 49.486 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

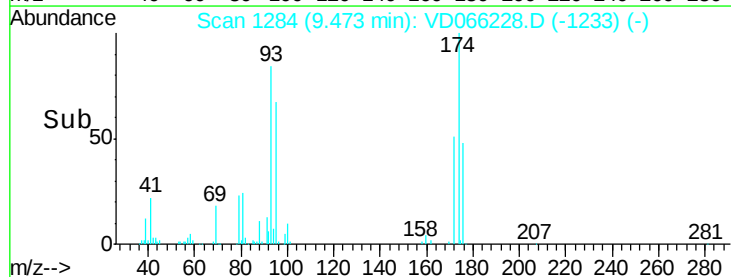
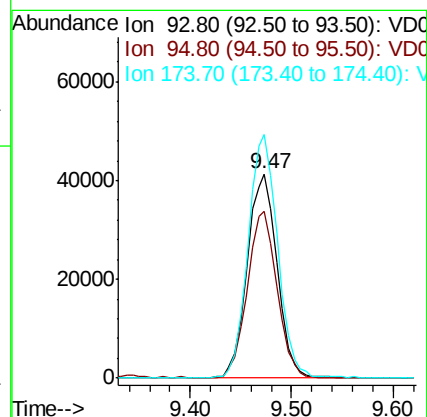
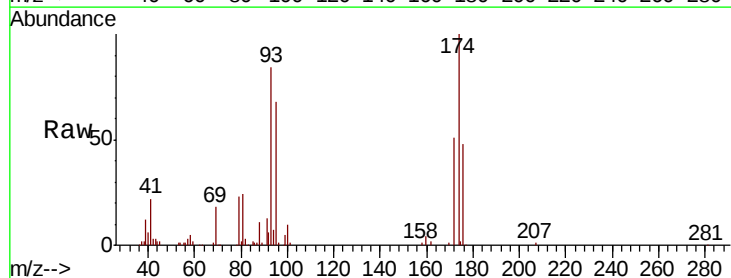
Tgt Ion: 93 Resp: 84335

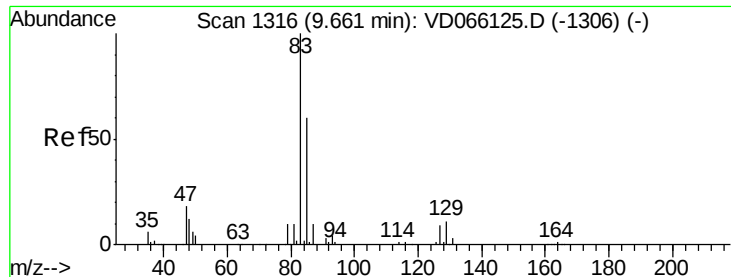
Ion Ratio Lower Upper

93 100

95 81.3 65.8 98.6

174 117.6 92.8 139.2





#47

Bromodichloromethane

Concen: 50.149 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

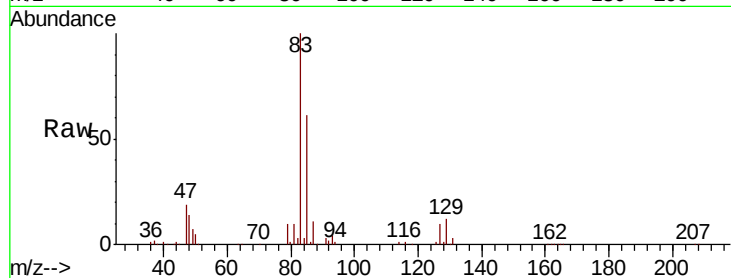
Tot Ion: 83 Resp: 225885

Ion Ratio Lower Upper

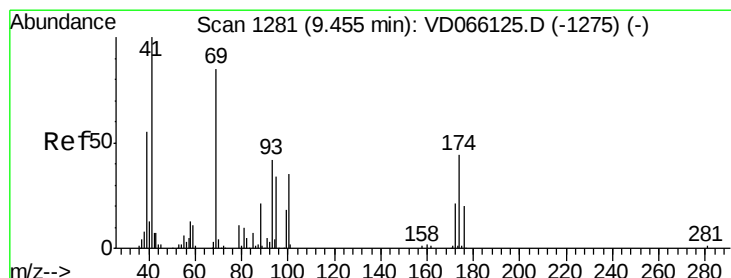
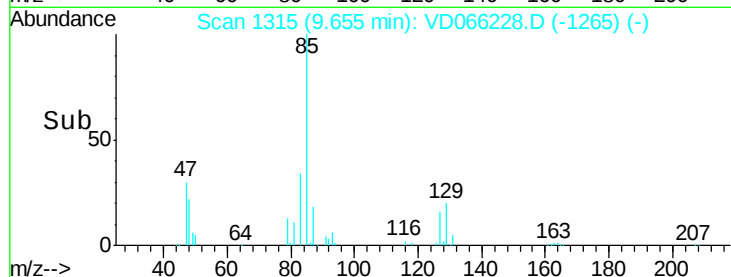
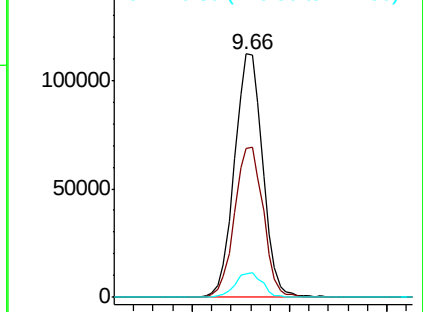
83 100

85 61.2 48.2 72.4

127 9.8 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: 51.384 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

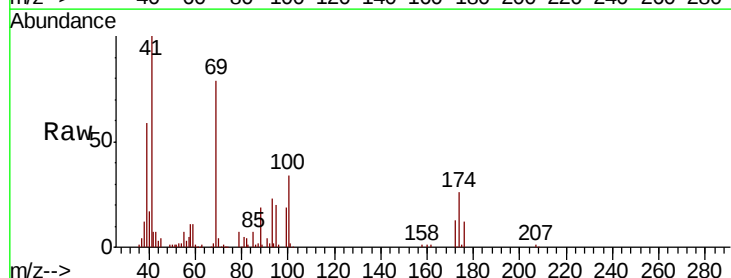
Tgt Ion: 41 Resp: 93406

Ion Ratio Lower Upper

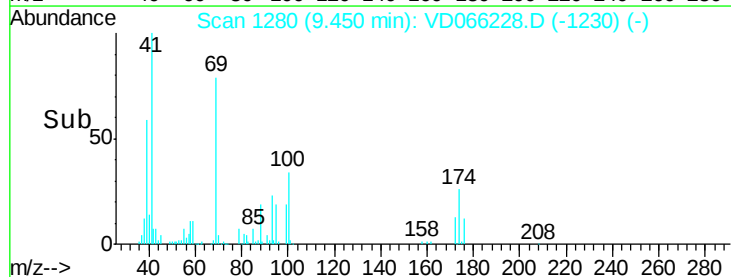
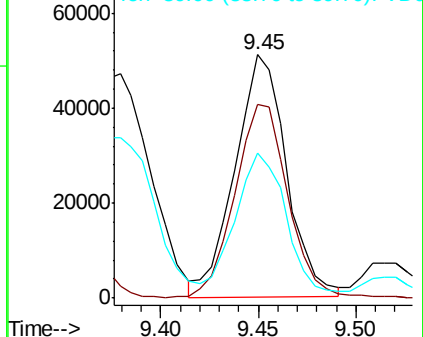
41 100

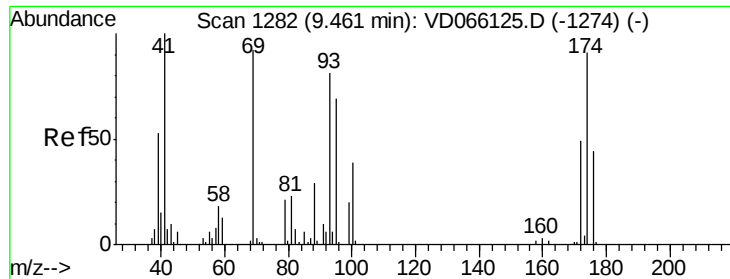
69 82.1 63.9 95.9

39 53.9 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

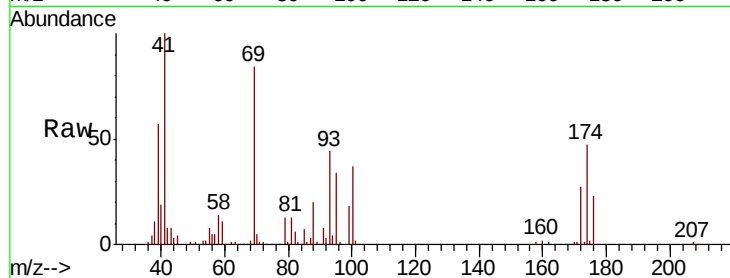




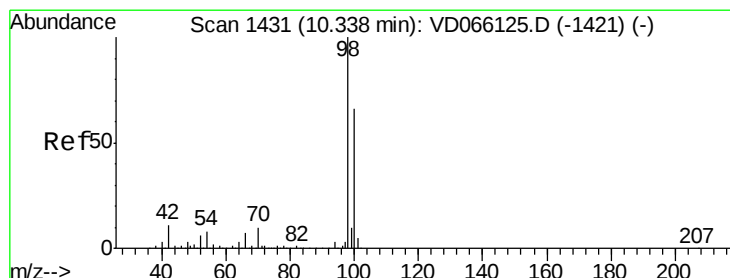
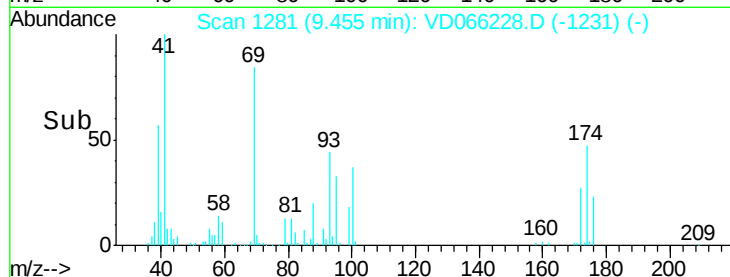
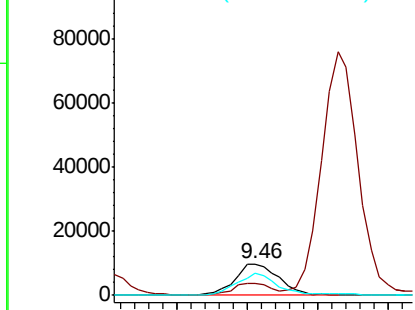
#49
1,4-Dioxane
Concen: 969.623 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 21230
Ion Ratio Lower Upper
88 100
43 34.9 27.5 41.3
58 64.5 50.2 75.4

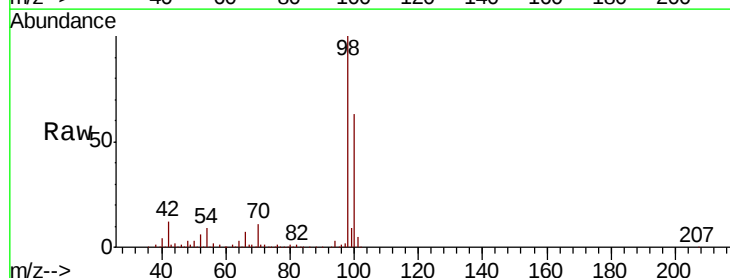


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

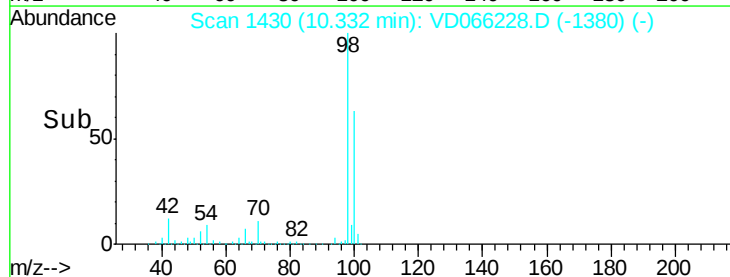
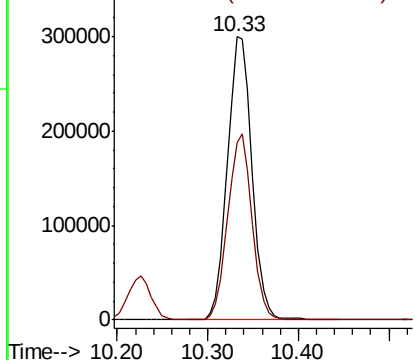


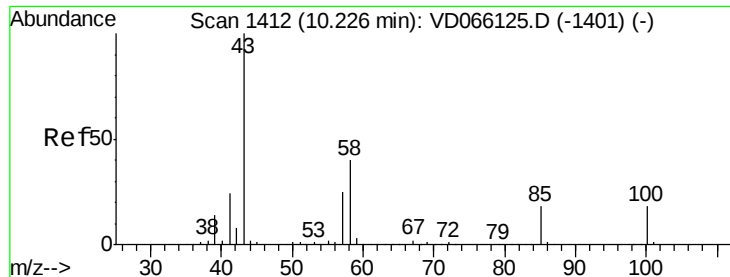
#50
Toluene-d8
Concen: 49.749 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 98 Resp: 564392
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



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





#51

4-Methyl-2-Pentanone

Concen: 254.289 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

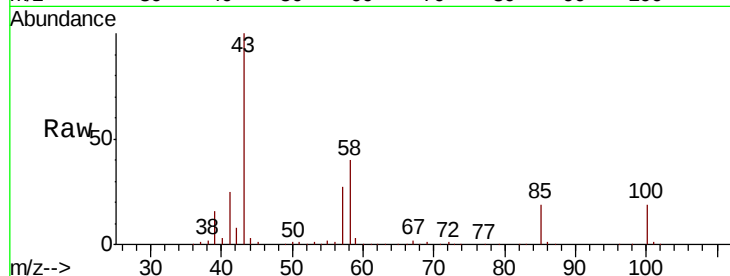
VSTDCCC050

Tot Ion: 43 Resp: 464995

Ion Ratio Lower Upper

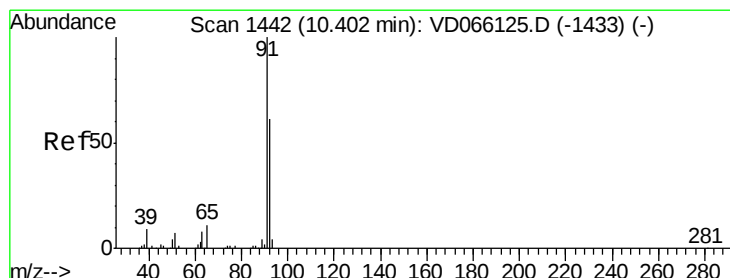
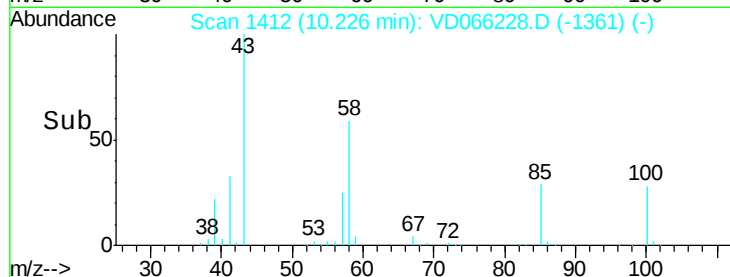
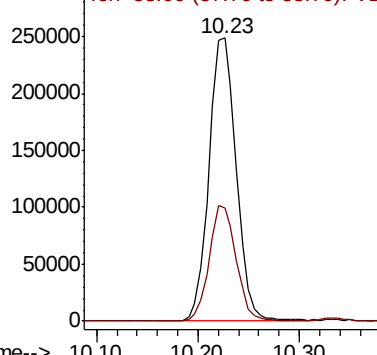
43 100

58 40.2 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.782 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066228.D

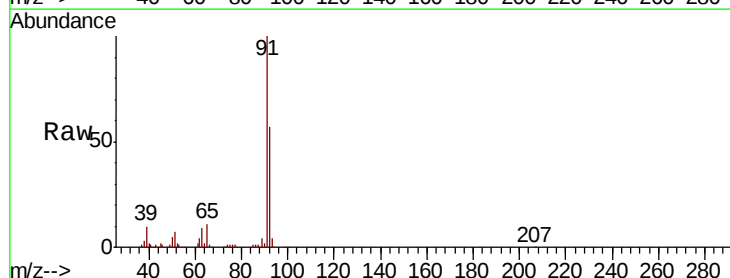
Acq: 14 Aug 2020 11:12

Tgt Ion: 92 Resp: 406072

Ion Ratio Lower Upper

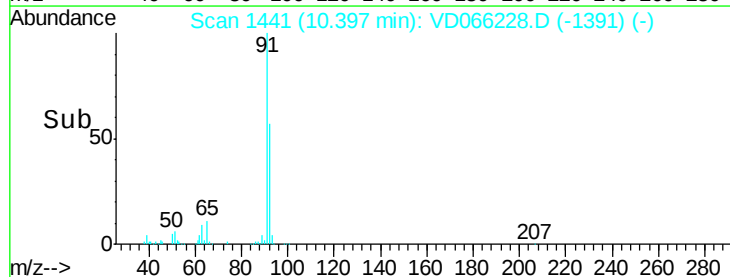
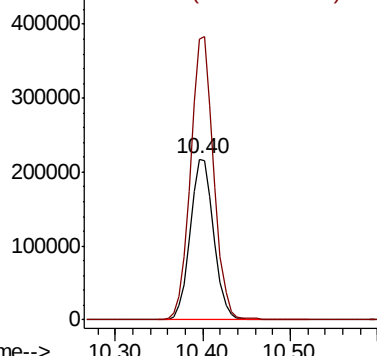
92 100

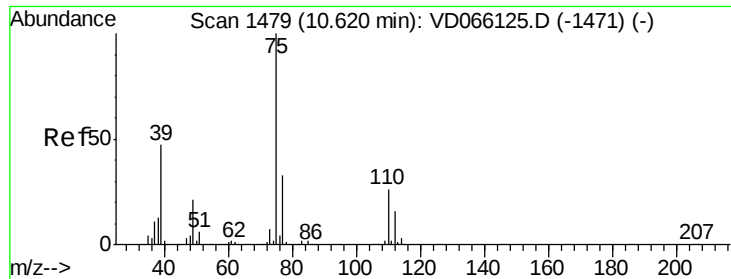
91 172.0 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.402 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

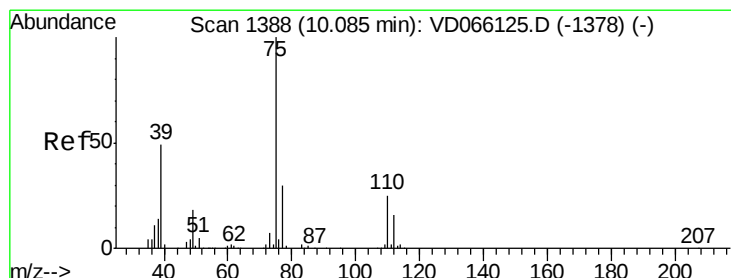
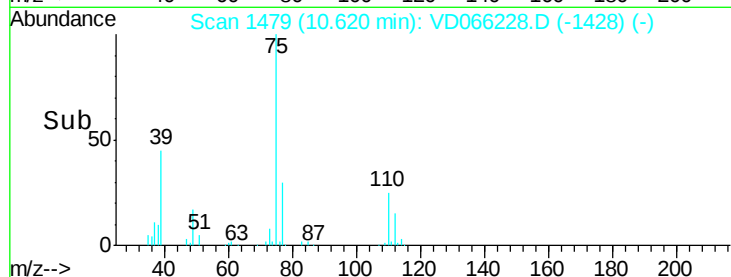
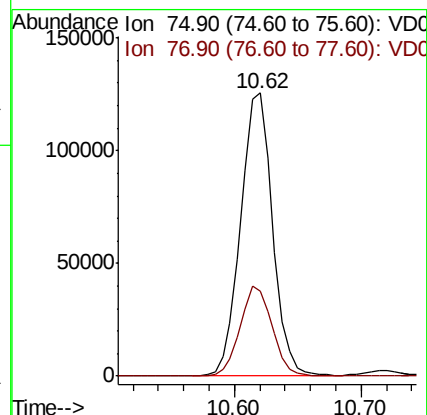
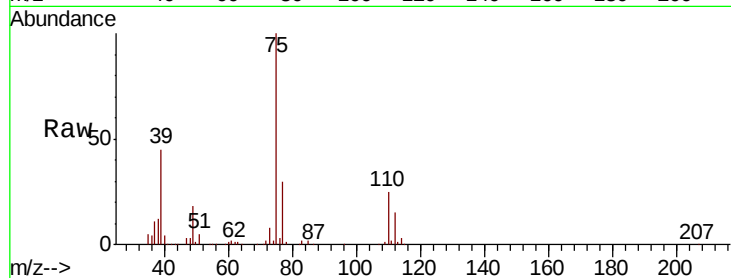
VSTDCCC050

Tot Ion: 75 Resp: 219722

Ion Ratio Lower Upper

75 100

77 30.0 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 50.667 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

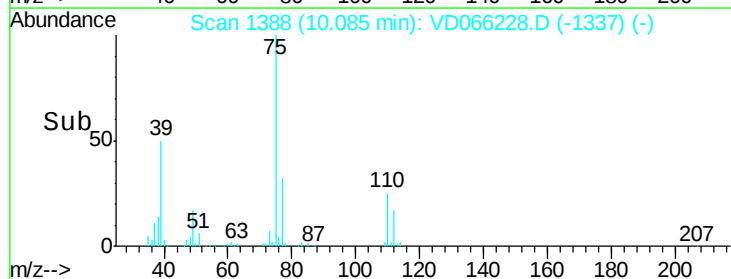
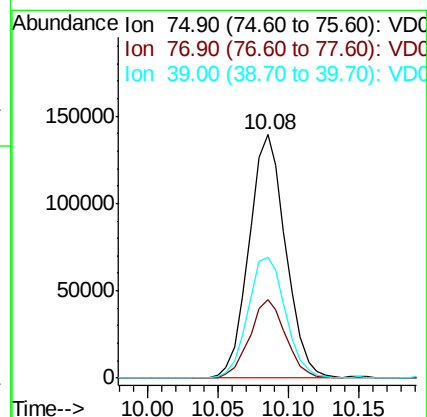
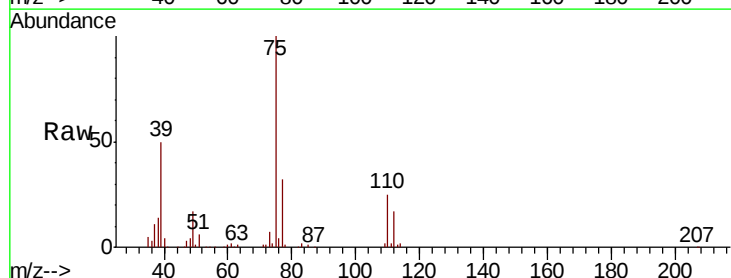
Tgt Ion: 75 Resp: 253753

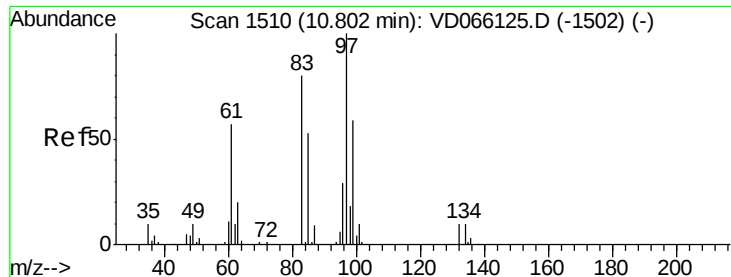
Ion Ratio Lower Upper

75 100

77 32.1 24.3 36.5

39 49.5 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 49.654 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 121851

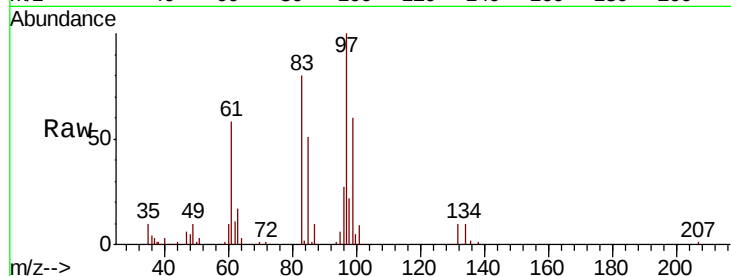
Ion Ratio Lower Upper

97 100

83 80.7 63.9 95.9

85 51.2 42.5 63.7

99 60.5 47.4 71.0

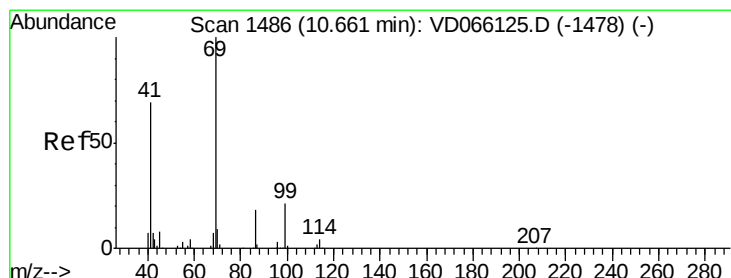
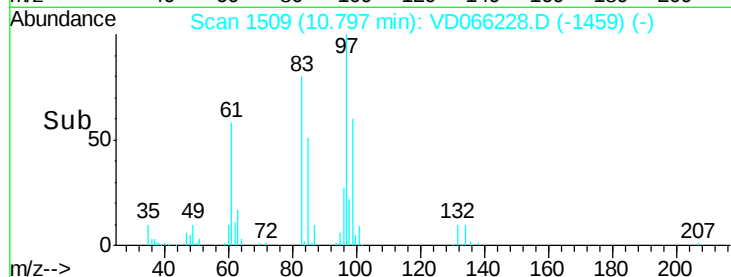
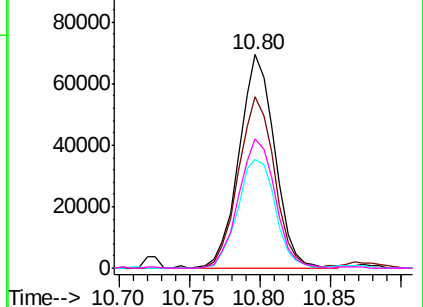


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 52.668 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

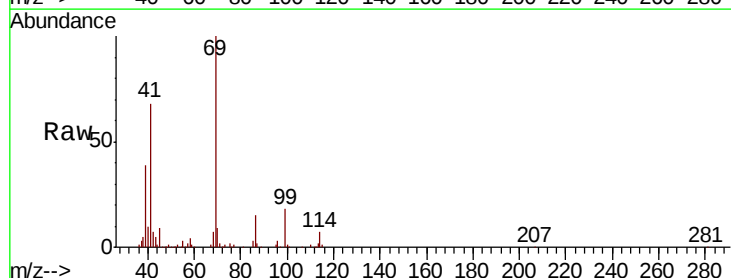
Tgt Ion: 69 Resp: 155265

Ion Ratio Lower Upper

69 100

41 67.2 54.1 81.1

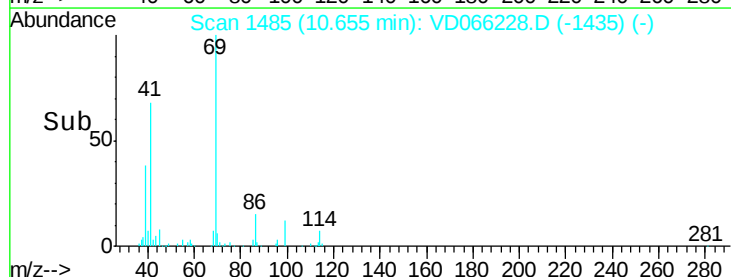
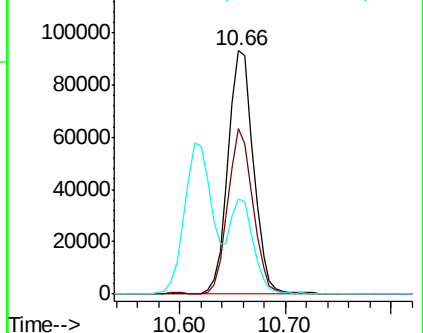
39 33.1 28.6 43.0

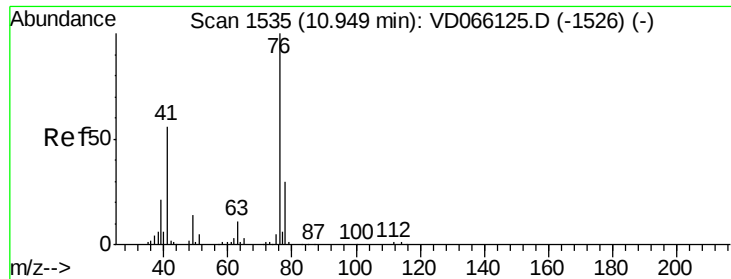


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.437 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

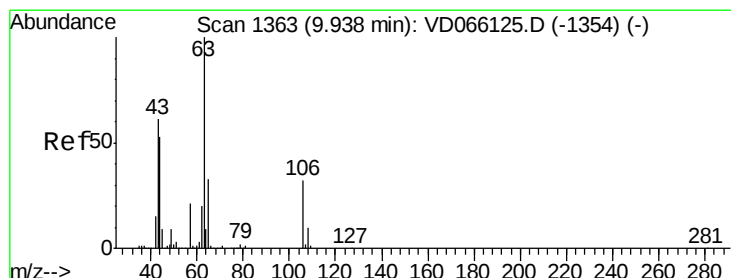
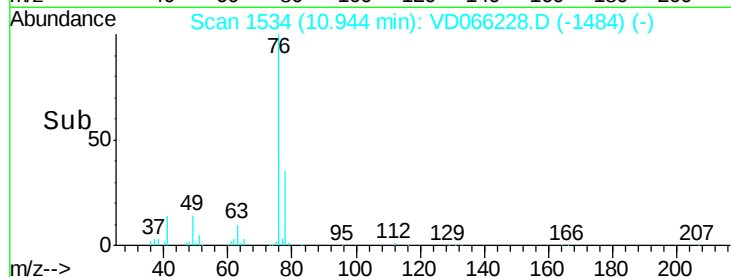
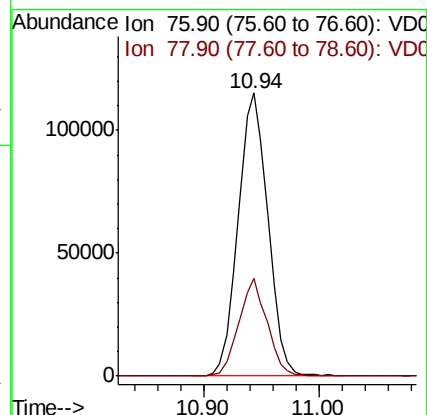
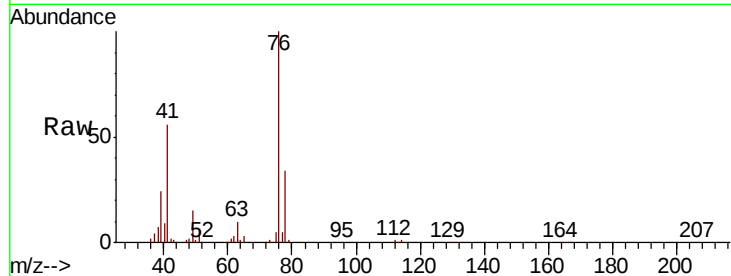
VSTDCCC050

Tot Ion: 76 Resp: 205483

Ion Ratio Lower Upper

76 100

78 32.9 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 272.614 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066228.D

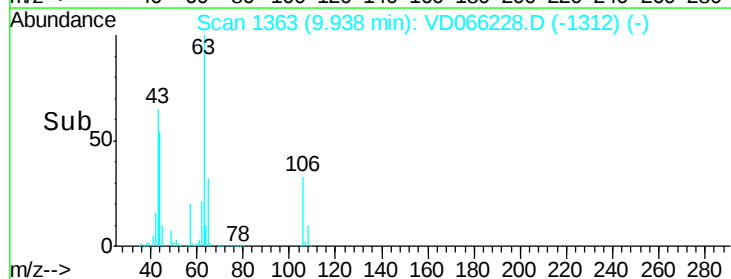
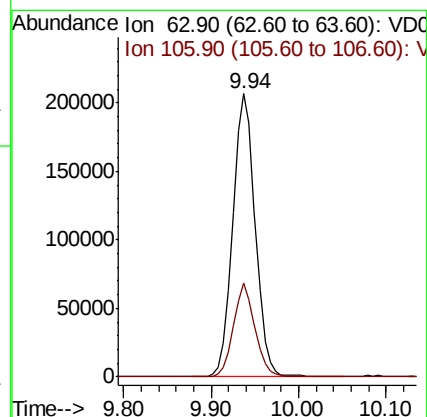
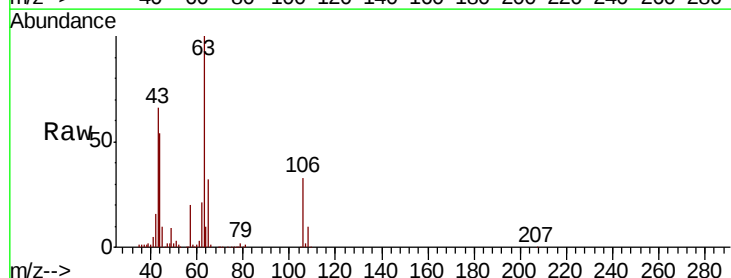
Acq: 14 Aug 2020 11:12

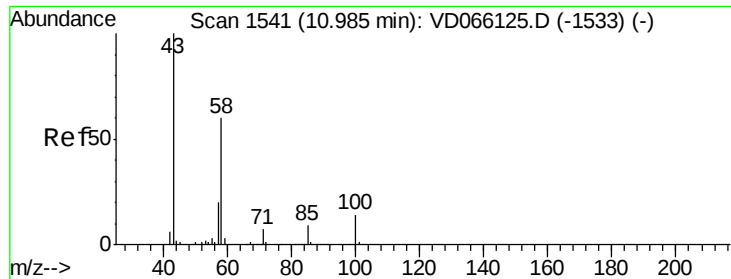
Tgt Ion: 63 Resp: 361497

Ion Ratio Lower Upper

63 100

106 31.7 25.3 37.9

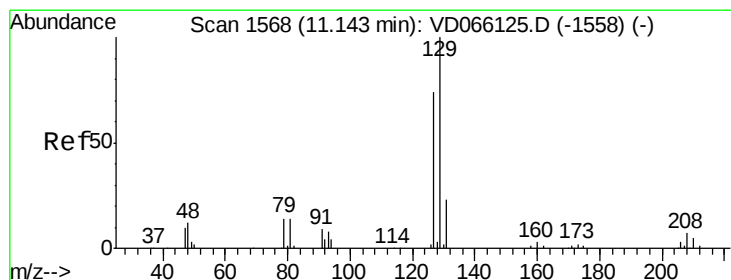
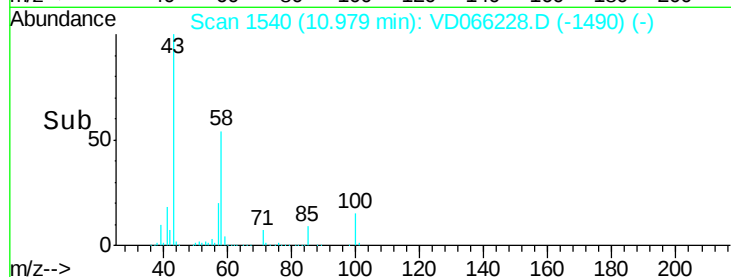
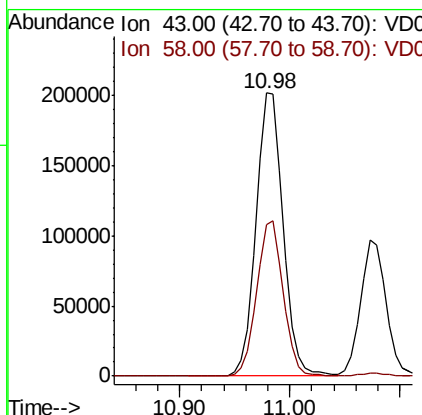
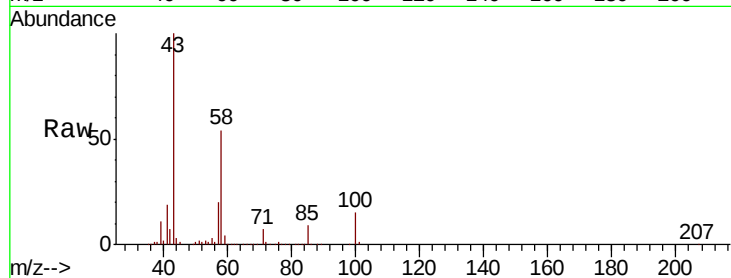




#59
2-Hexanone
Concen: 271.269 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

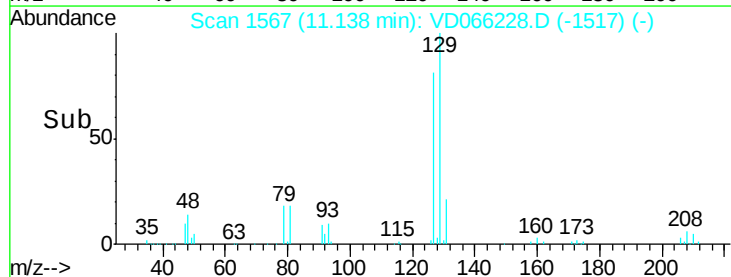
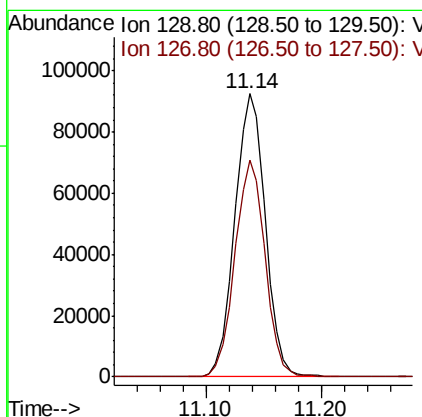
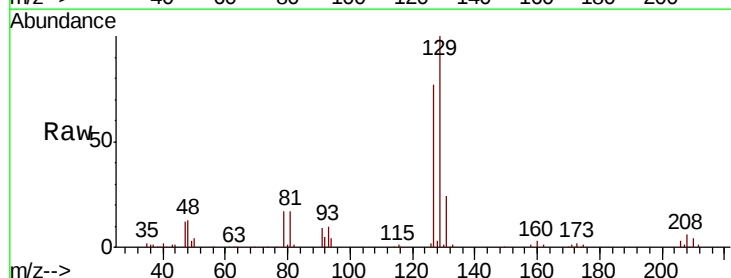
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

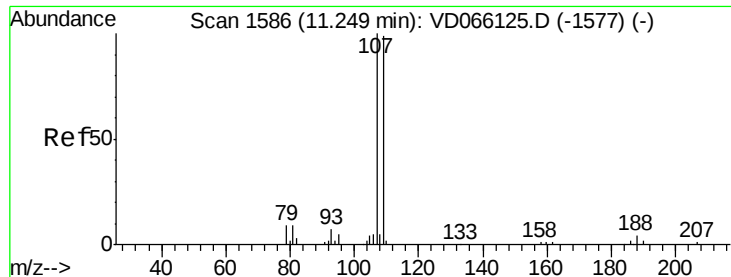
Tot Ion: 43 Resp: 348133
Ion Ratio Lower Upper
43 100
58 53.8 27.8 83.4



#60
Dibromochloromethane
Concen: 49.835 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 129 Resp: 168838
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 50.019 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

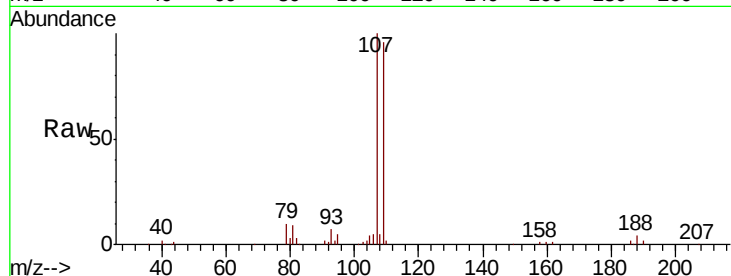
VSTDCCC050

Tot Ion:107 Resp: 118048

Ion Ratio Lower Upper

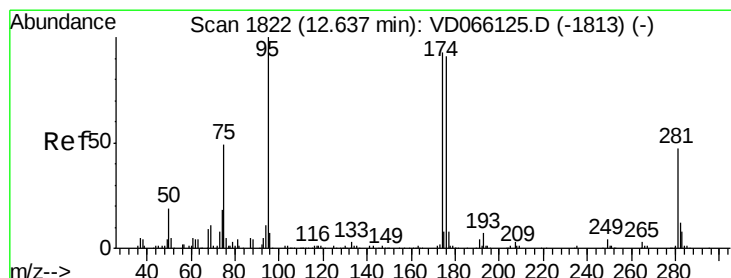
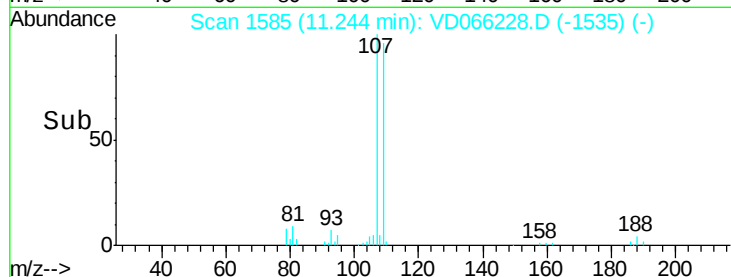
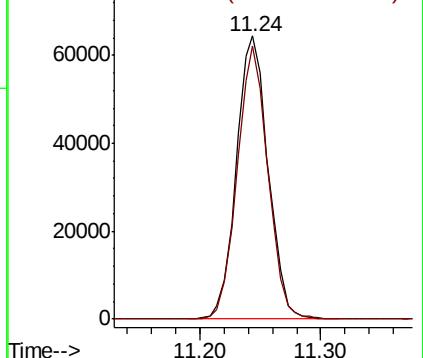
107 100

109 93.3 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.833 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

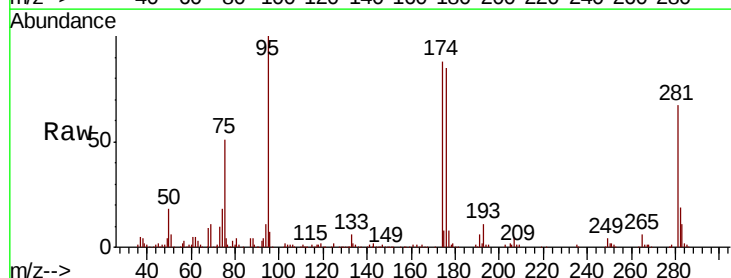
Tgt Ion: 95 Resp: 199696

Ion Ratio Lower Upper

95 100

174 89.5 0.0 180.8

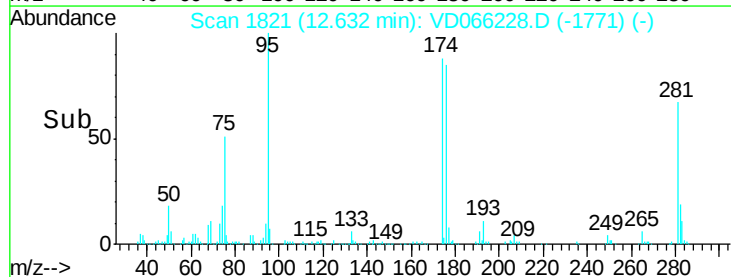
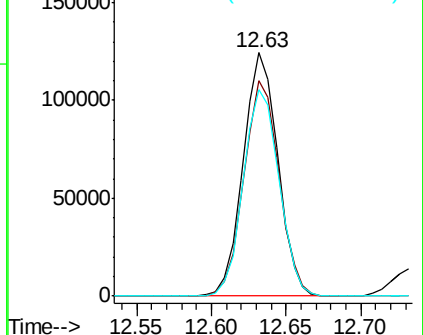
176 87.5 0.0 181.2

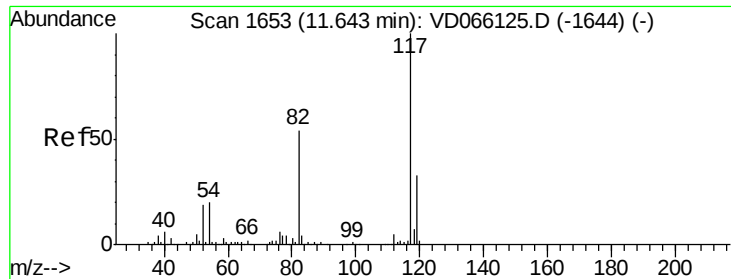


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

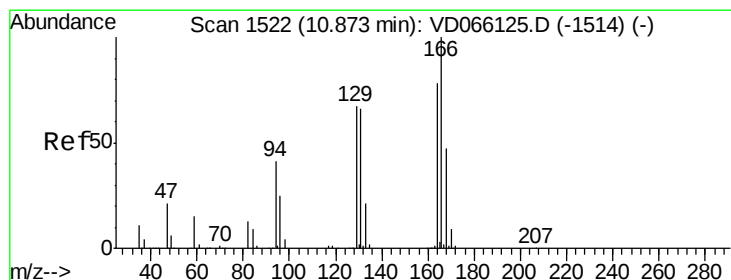
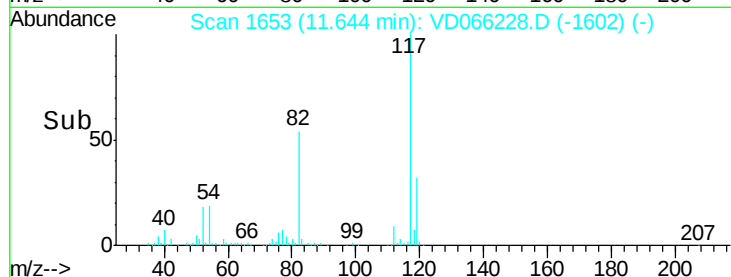
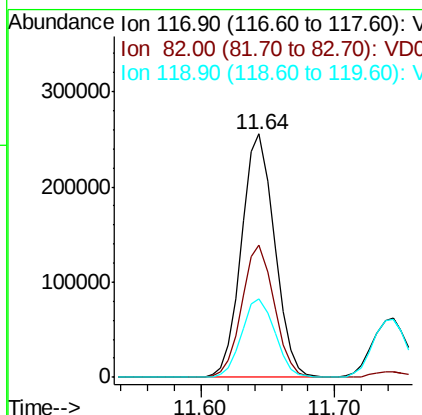
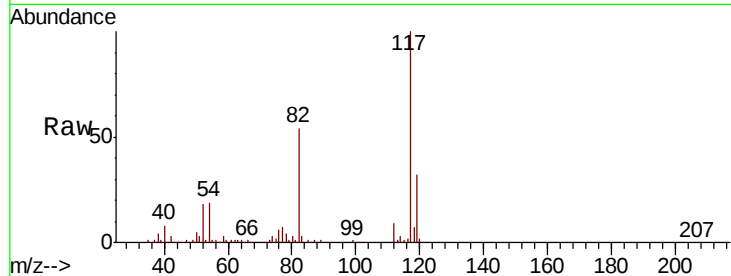




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

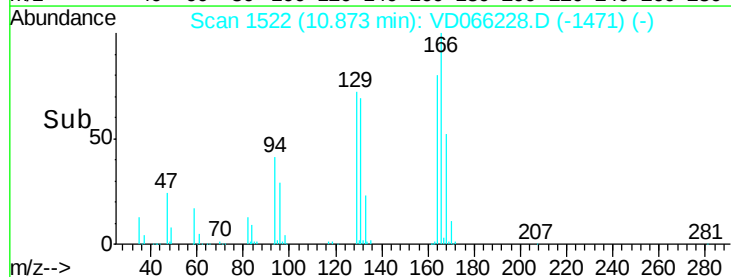
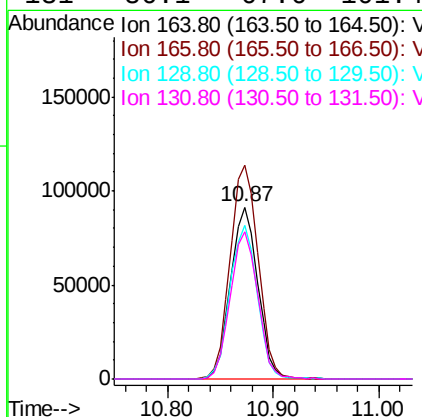
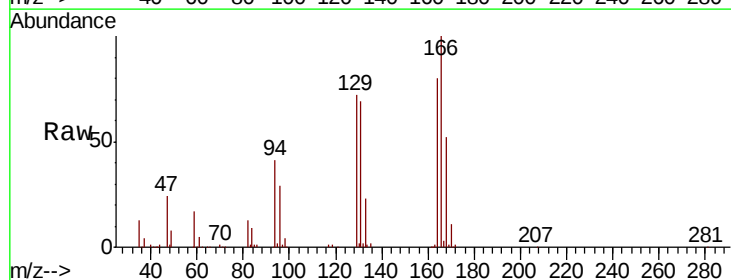
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

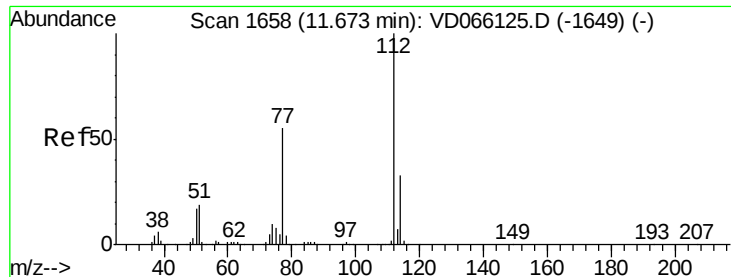
Tot Ion:117 Resp: 438528
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 32.0 26.1 39.1



#64
Tetrachloroethene
Concen: 48.397 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion:164 Resp: 162972
Ion Ratio Lower Upper
164 100
166 124.5 101.9 152.9
129 89.9 68.1 102.1
131 86.1 67.6 101.4

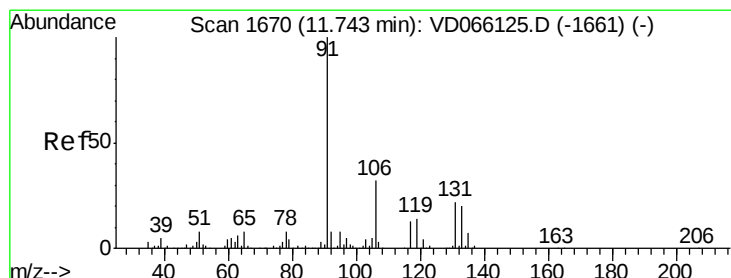
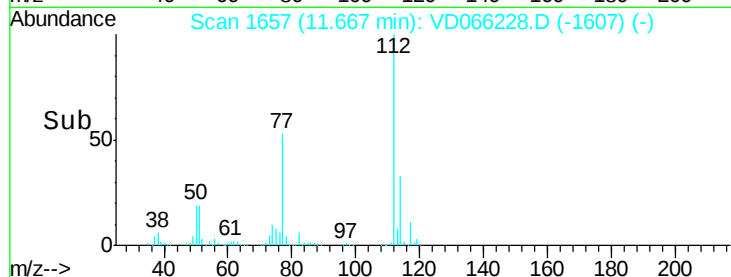
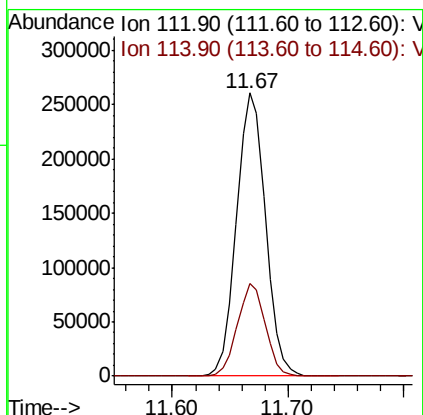
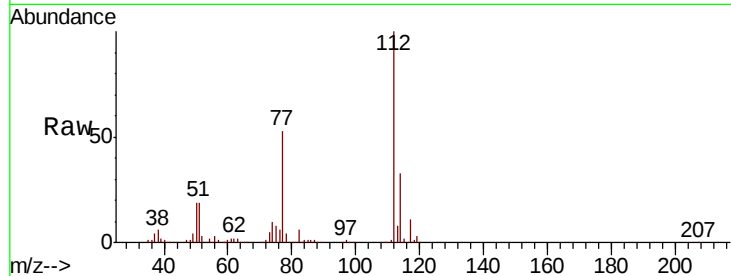




#65
Chlorobenzene
Concen: 50.845 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

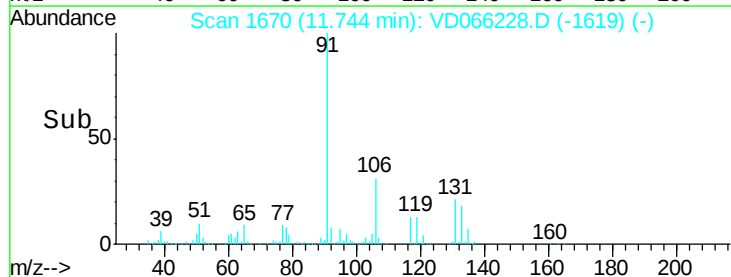
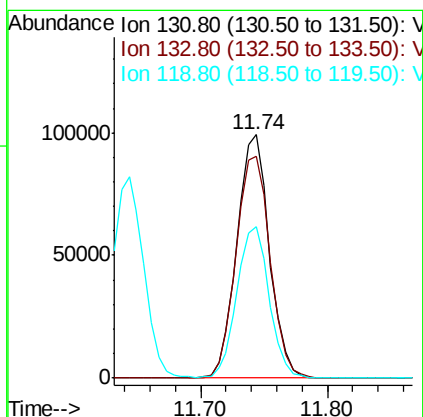
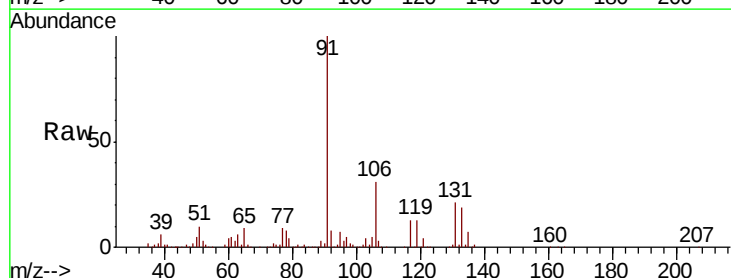
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

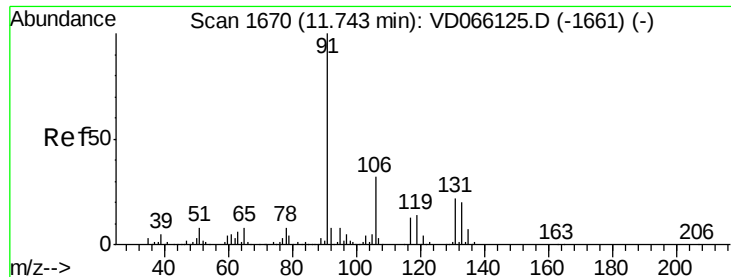
Tot Ion:112 Resp: 452632
Ion Ratio Lower Upper
112 100
114 32.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 50.450 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion:131 Resp: 175729
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.4
119 62.2 31.6 94.7

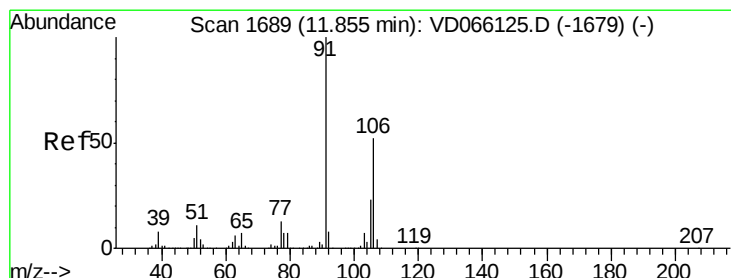
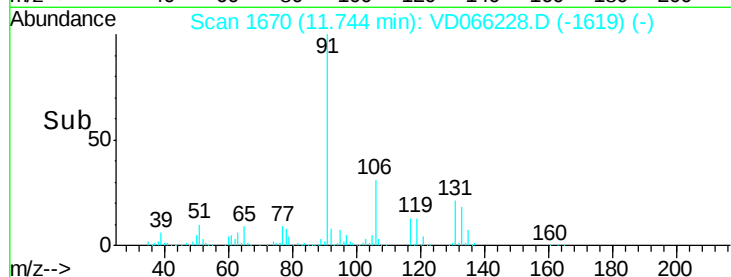
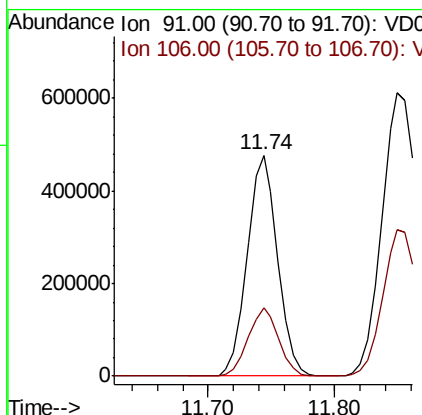
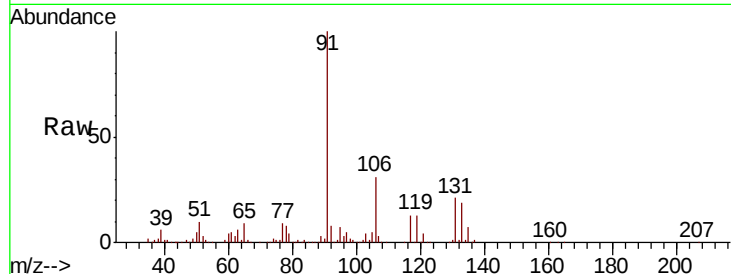




#67
Ethyl Benzene
Concen: 51.243 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

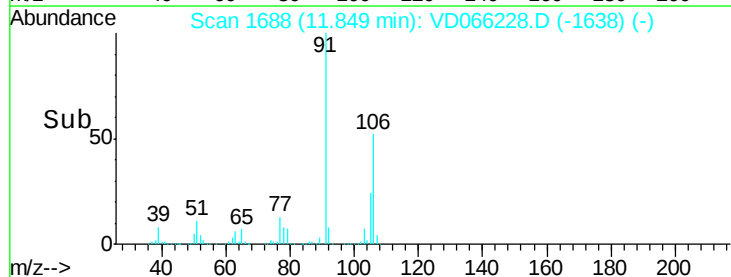
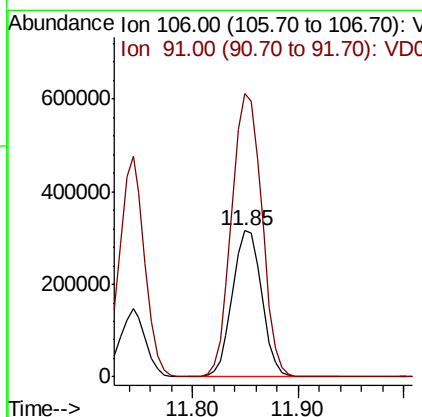
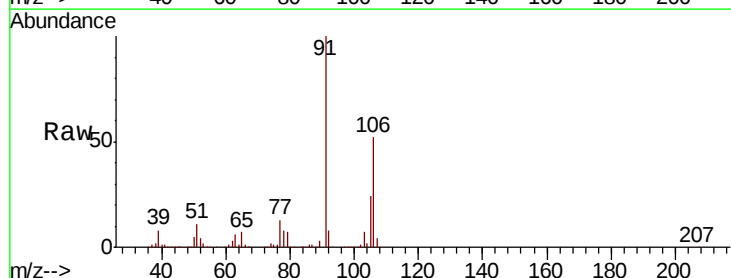
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

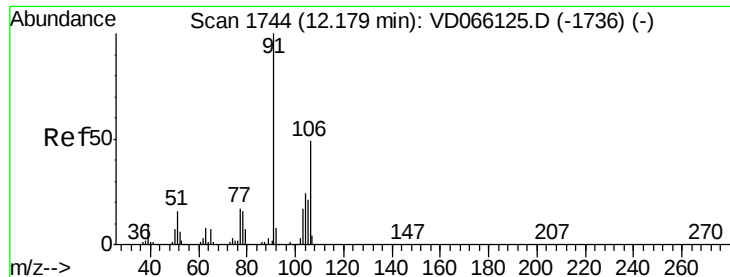
Tot Ion: 91 Resp: 790522
Ion Ratio Lower Upper
91 100
106 31.2 25.7 38.5



#68
m/p-Xylenes
Concen: 101.492 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 106 Resp: 606615
Ion Ratio Lower Upper
106 100
91 199.4 156.6 235.0

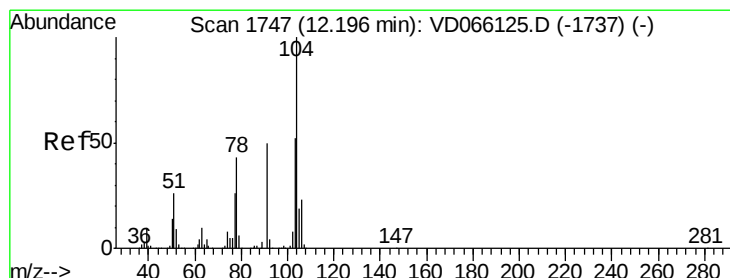
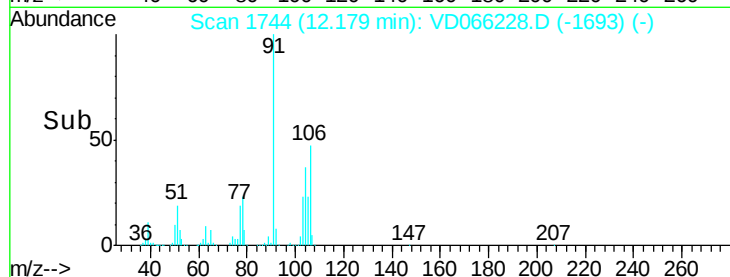
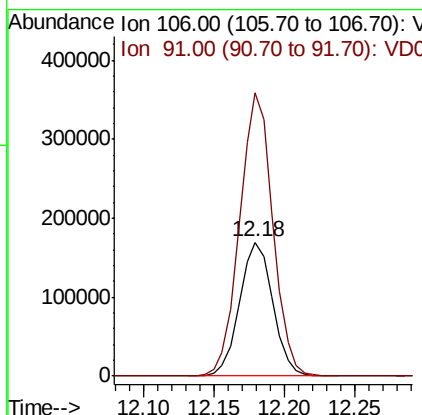
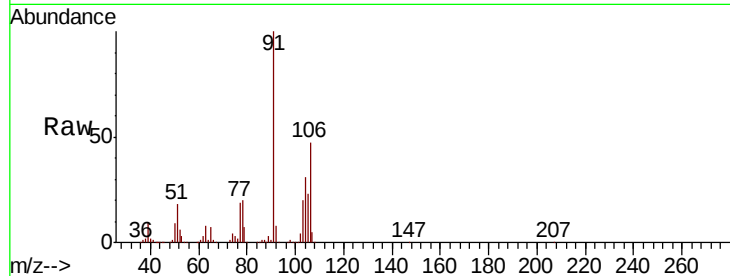




#69
o-Xylene
Concen: 51.229 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

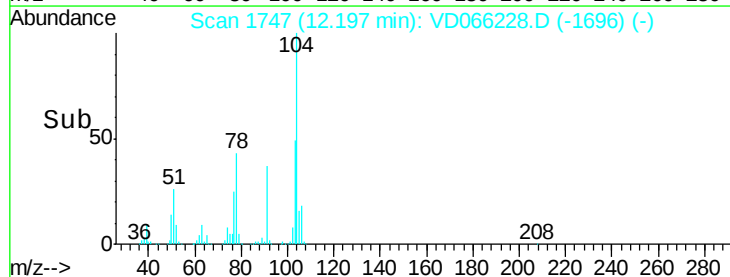
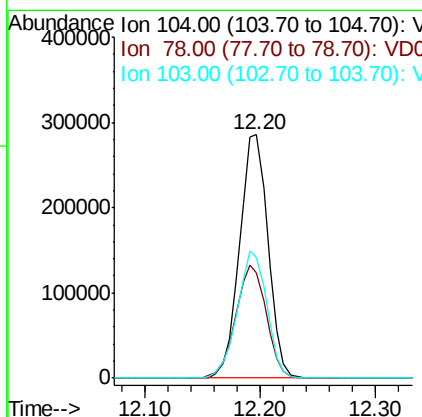
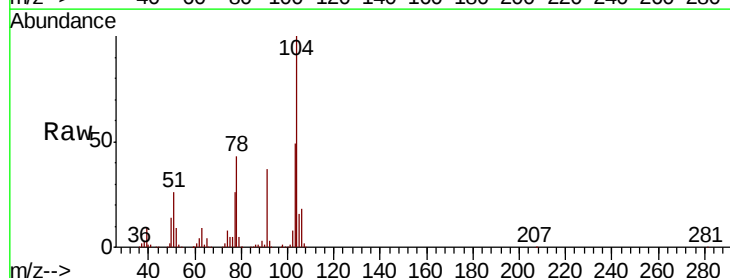
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

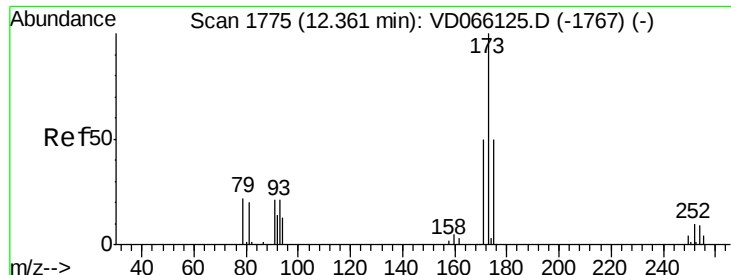
Tot Ion:106 Resp: 278537
Ion Ratio Lower Upper
106 100
91 210.9 105.7 317.1



#70
Styrene
Concen: 51.307 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion:104 Resp: 488882
Ion Ratio Lower Upper
104 100
78 49.7 38.6 58.0
103 54.2 44.1 66.1





#71

Bromoform

Concen: 50.500 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

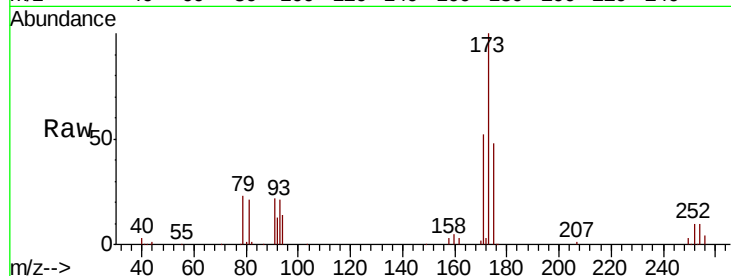
Tot Ion:173 Resp: 104217

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.6

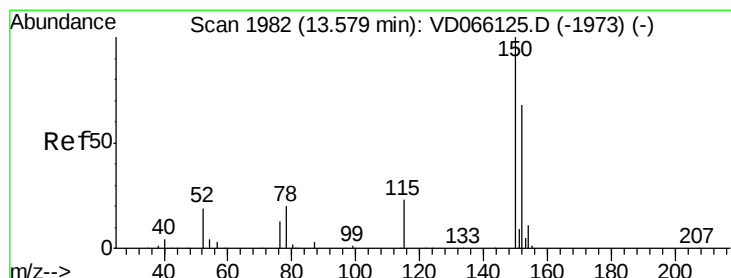
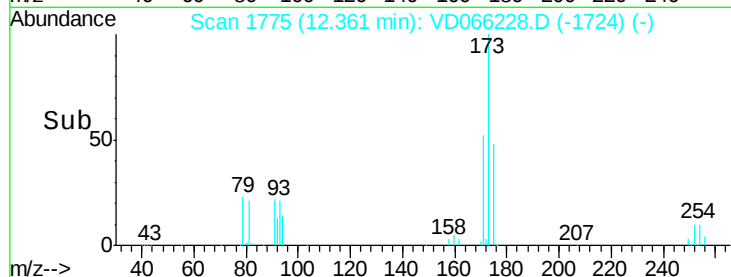
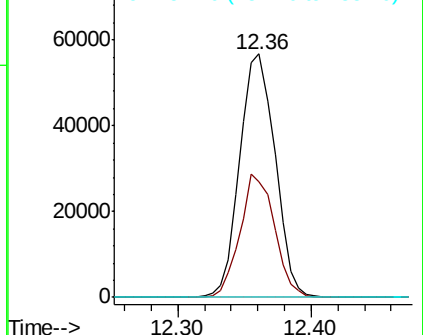
254 0.0 0.2 0.2#



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: VD066228.D

Acq: 14 Aug 2020 11:12

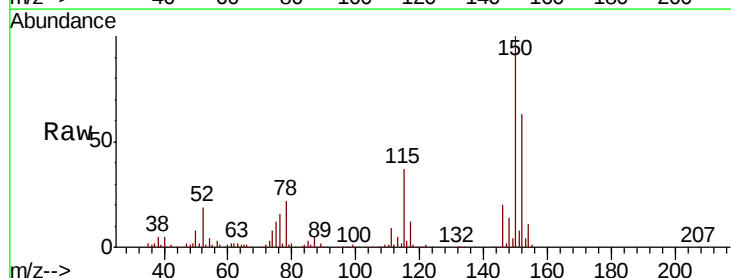
Tgt Ion:152 Resp: 226415

Ion Ratio Lower Upper

152 100

115 56.0 28.0 83.9

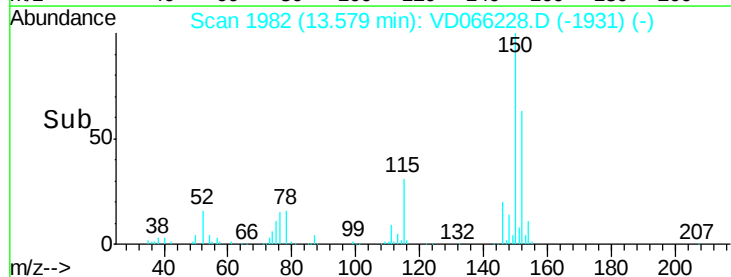
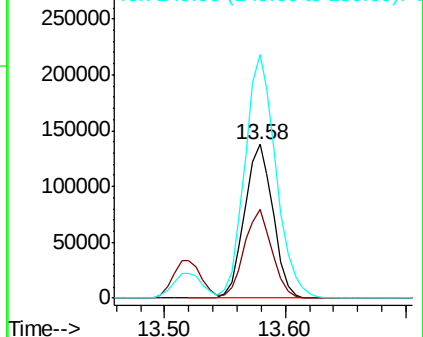
150 172.6 0.0 346.4

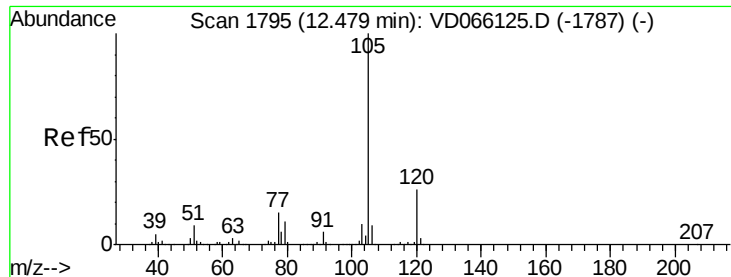


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.207 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

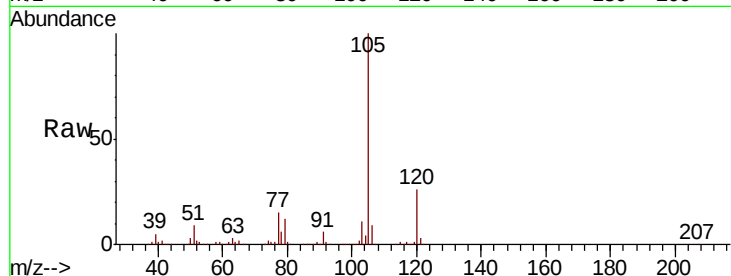
VSTDCCC050

Tot Ion:105 Resp: 789047

Ion Ratio Lower Upper

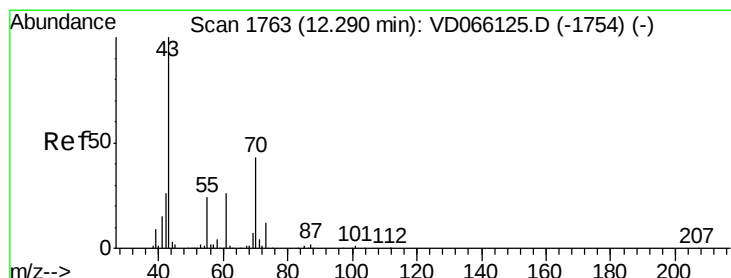
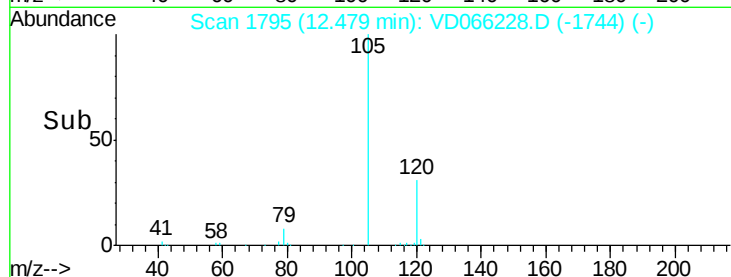
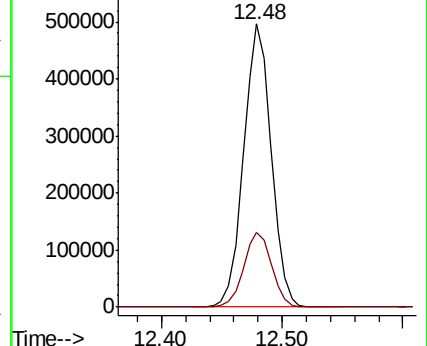
105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.529 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Tgt Ion: 43 Resp: 171495

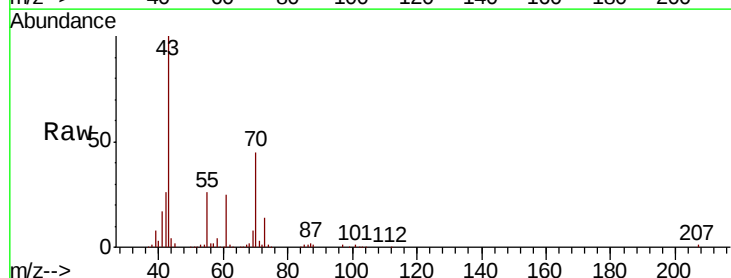
Ion Ratio Lower Upper

43 100

70 44.0 34.9 52.3

55 25.6 19.2 28.8

61 24.2 19.7 29.5

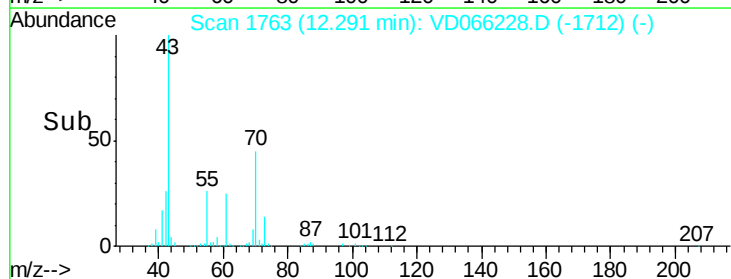
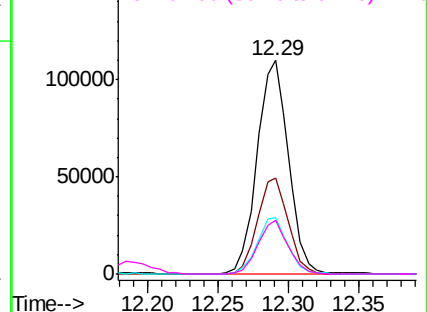


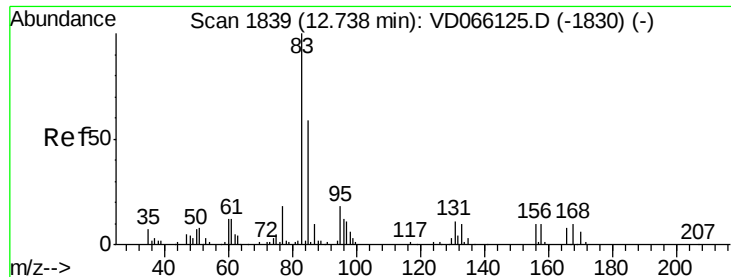
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.803 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

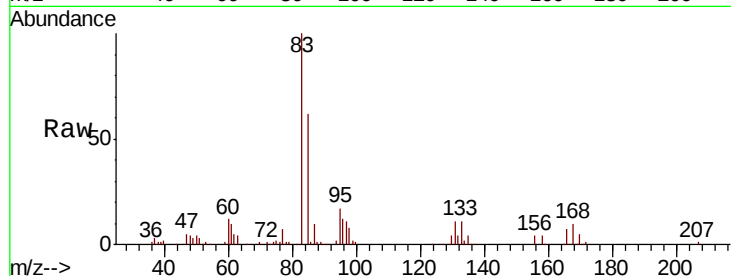
Tot Ion: 83 Resp: 128350

Ion Ratio Lower Upper

83 100

131 11.8 6.2 18.6

85 64.8 32.4 97.2



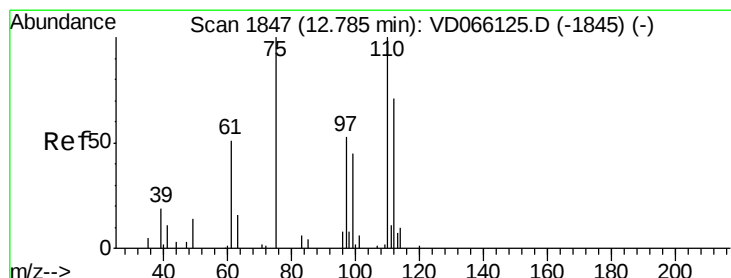
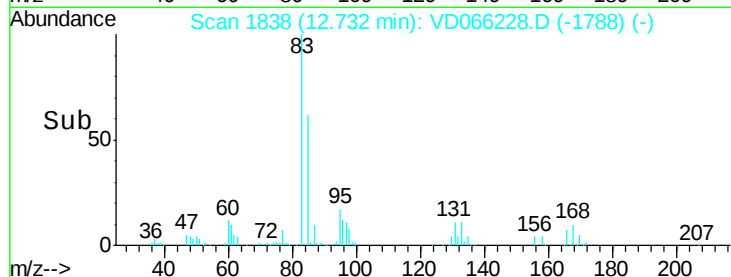
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.73

Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 91.563 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066228.D

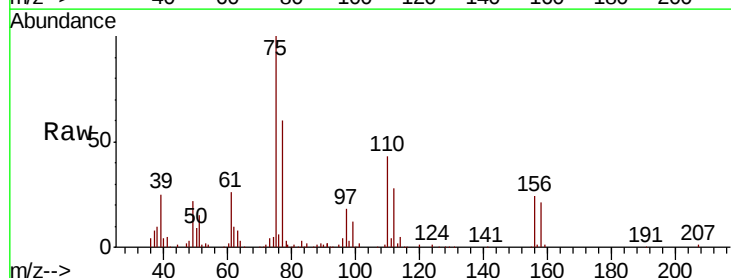
Acq: 14 Aug 2020 11:12

Tgt Ion: 75 Resp: 172883

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

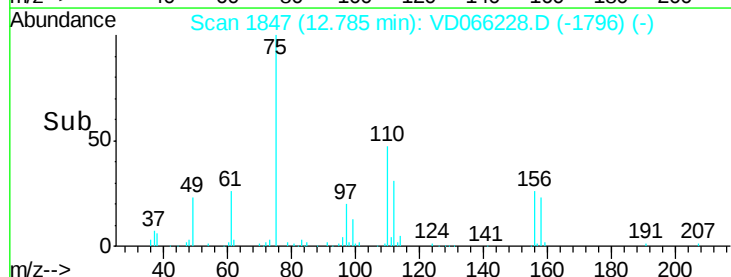


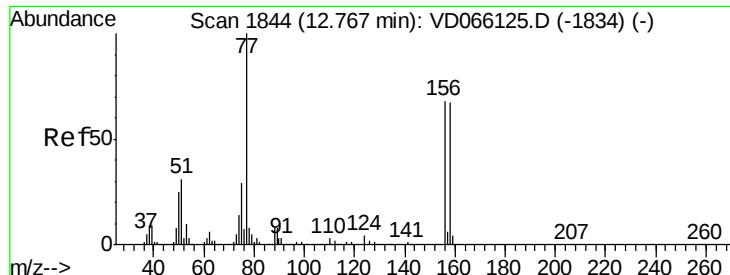
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.78

Time--> 12.70 12.80 12.90





#77

Bromobenzene

Concen: 49.881 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

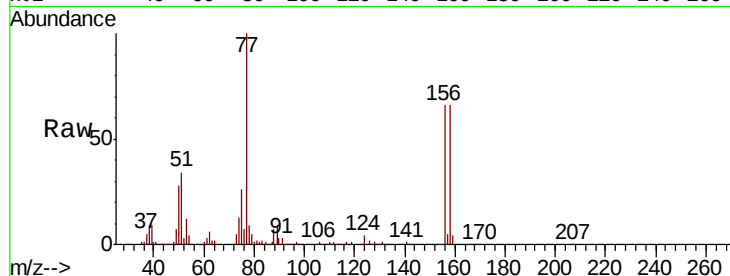
Tot Ion:156 Resp: 194068

Ion Ratio Lower Upper

156 100

77 166.4 81.0 243.1

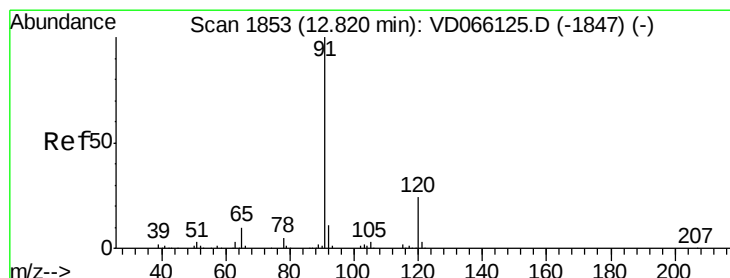
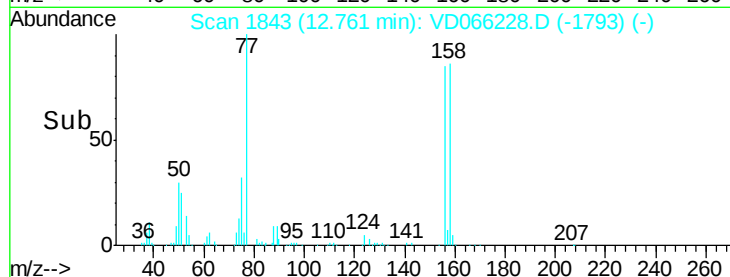
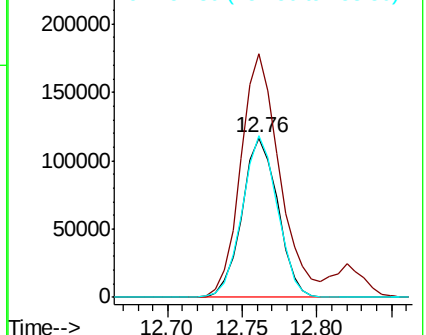
158 99.5 48.8 146.3



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: 51.290 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066228.D

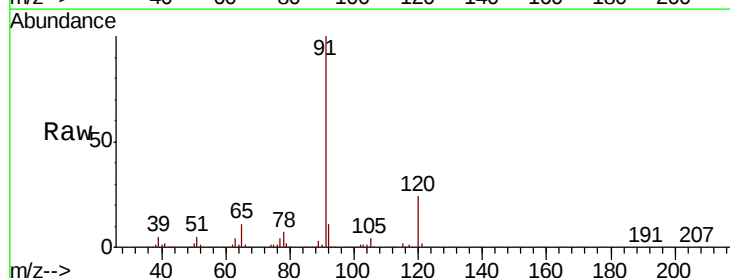
Acq: 14 Aug 2020 11:12

Tgt Ion: 91 Resp: 901090

Ion Ratio Lower Upper

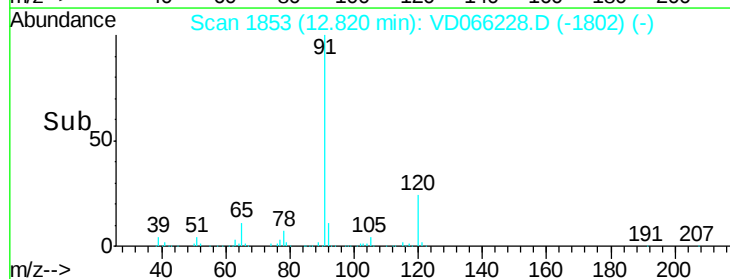
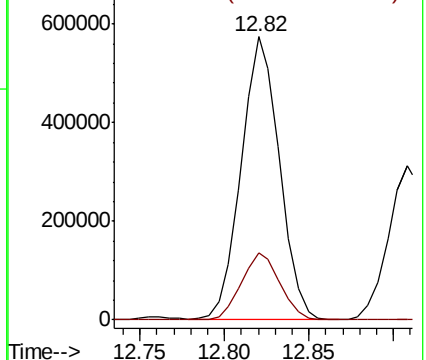
91 100

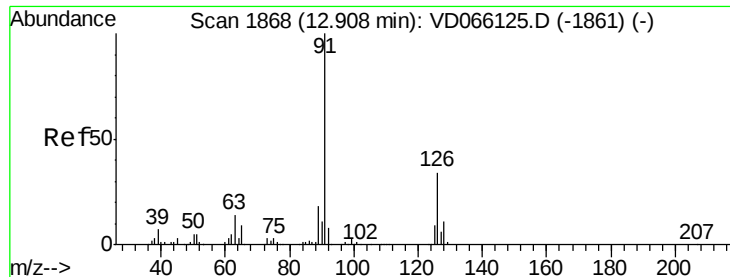
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.828 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

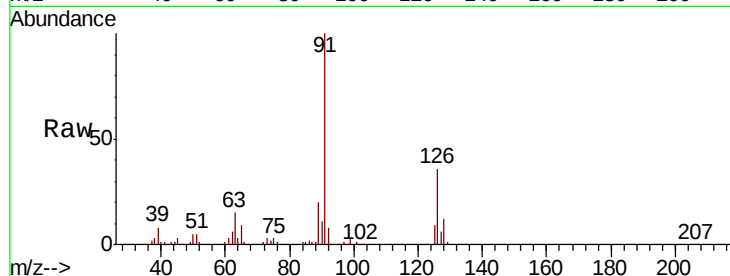
VSTDCCC050

Tot Ion: 91 Resp: 510727

Ion Ratio Lower Upper

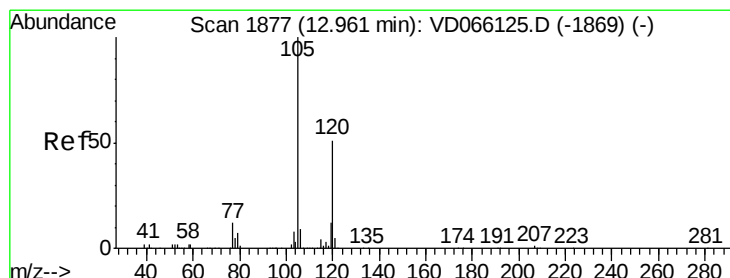
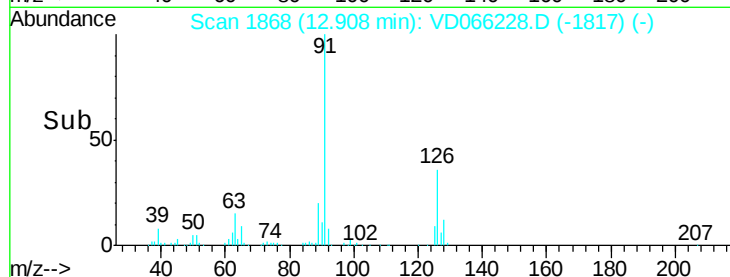
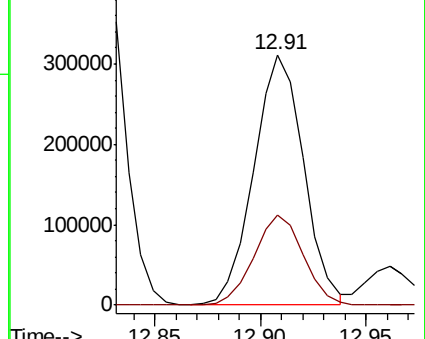
91 100

126 35.9 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.678 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066228.D

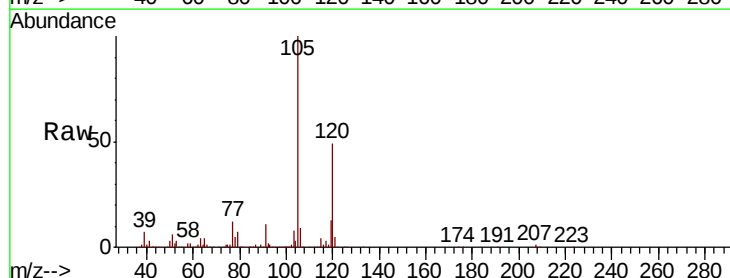
Acq: 14 Aug 2020 11:12

Tgt Ion:105 Resp: 665833

Ion Ratio Lower Upper

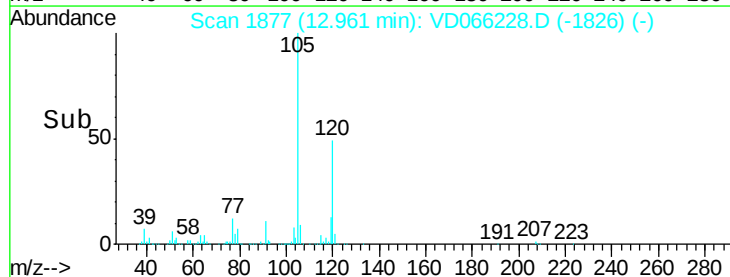
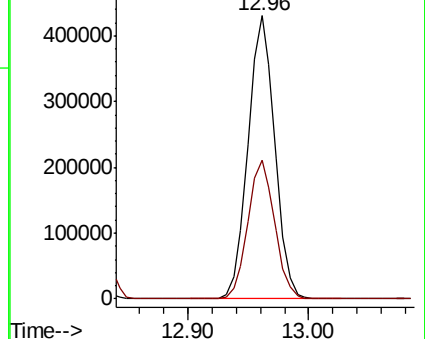
105 100

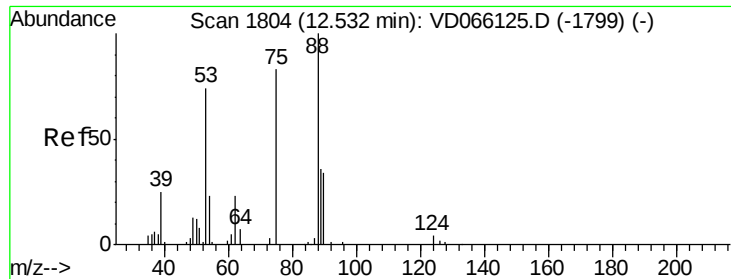
120 49.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

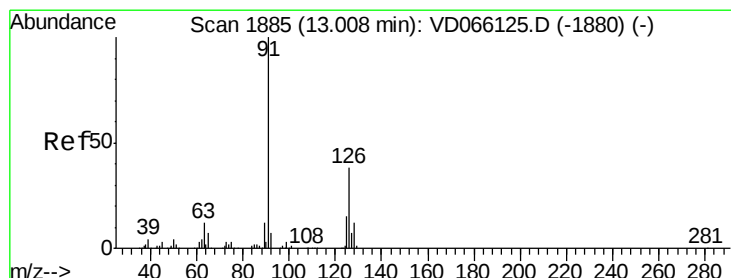
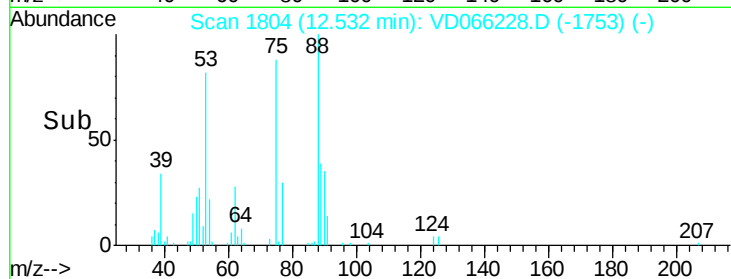
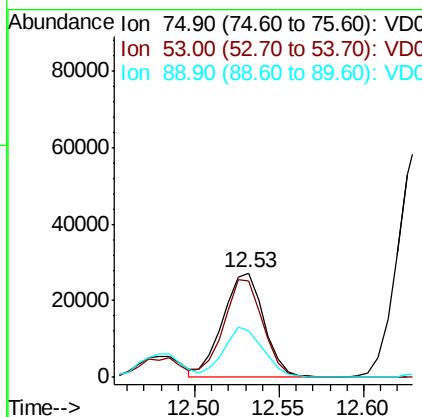
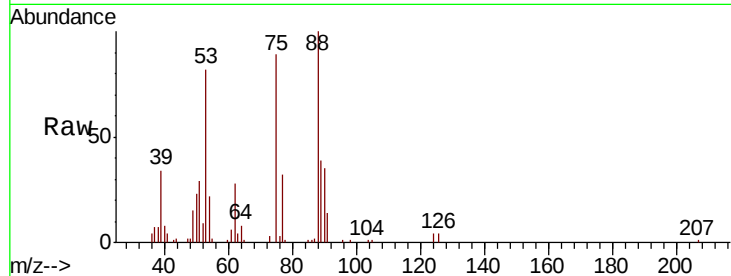




#81
trans-1,4-Dichloro-2-butene
Concen: 54.213 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

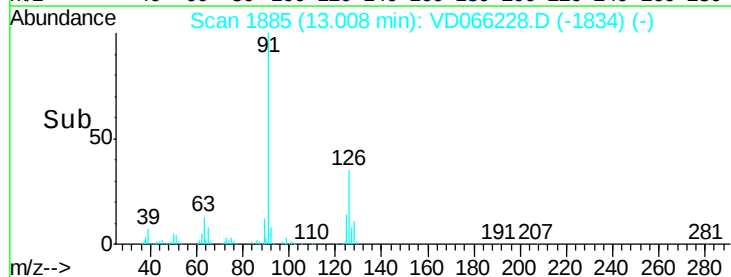
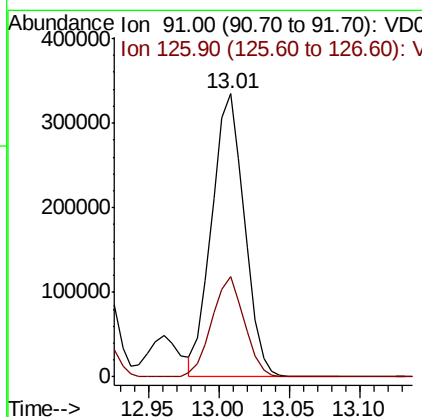
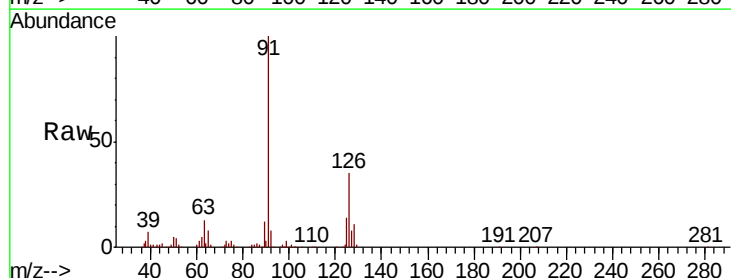
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

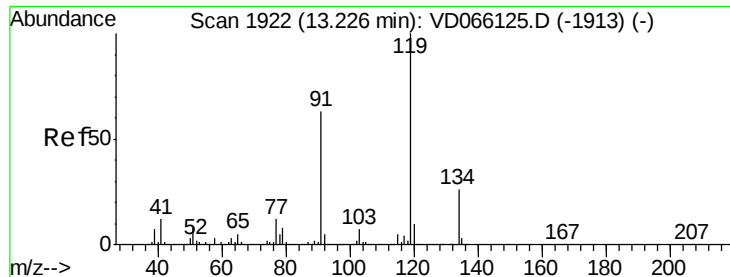
Tot Ion: 75 Resp: 46306
Ion Ratio Lower Upper
75 100
53 89.7 73.4 110.2
89 45.7 36.6 55.0



#82
4-Chlorotoluene
Concen: 50.643 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 91 Resp: 537177
Ion Ratio Lower Upper
91 100
126 35.3 17.8 53.3

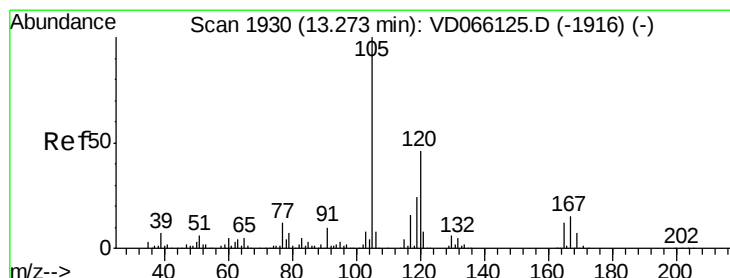
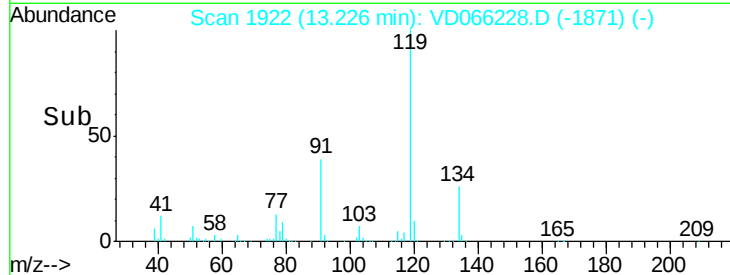
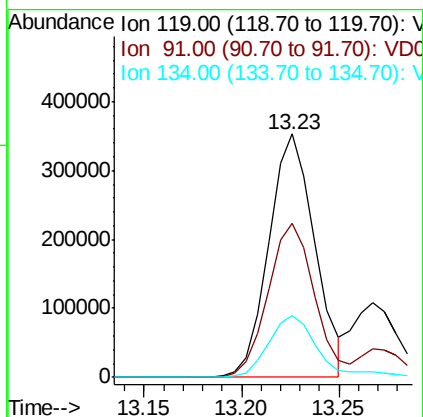
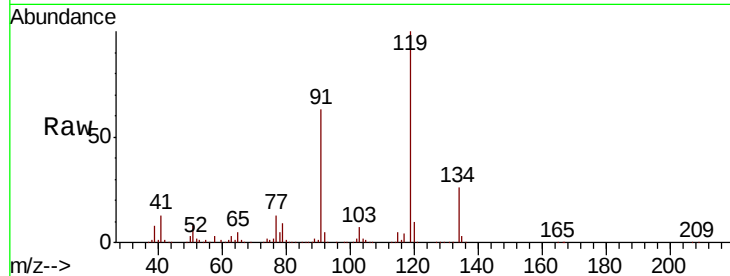




#83
 tert-Butylbenzene
 Concen: 51.787 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

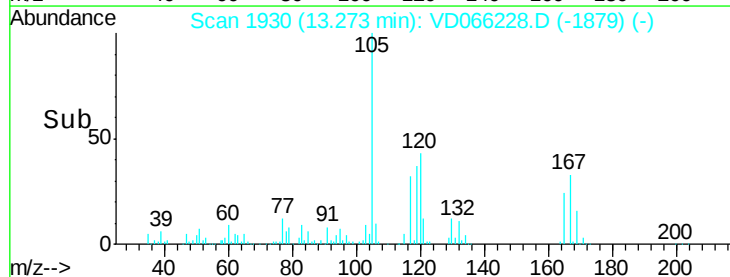
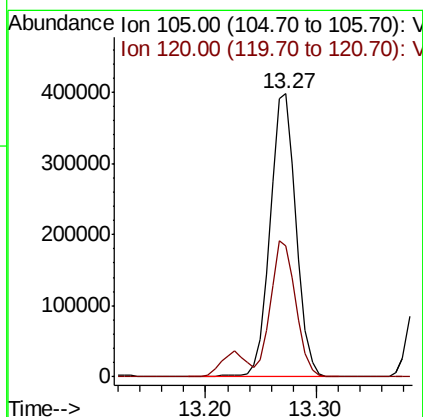
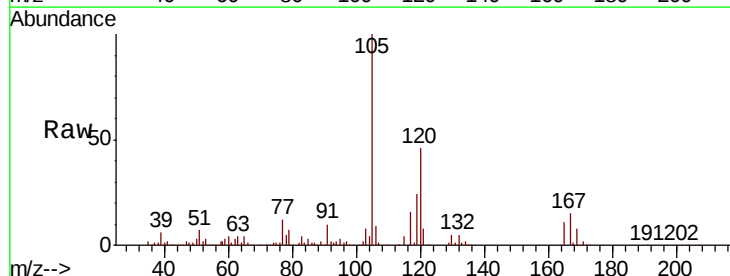
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

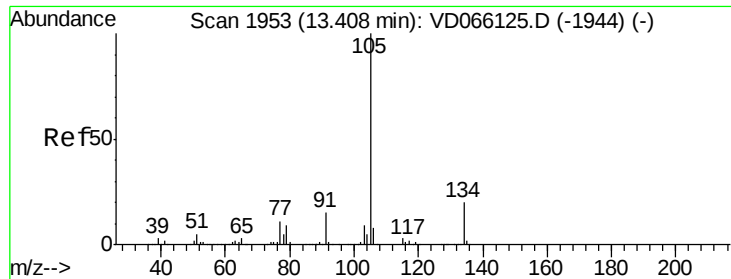
Tot Ion:119 Resp: 575664
 Ion Ratio Lower Upper
 119 100
 91 64.3 30.8 92.4
 134 27.4 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.631 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion:105 Resp: 653107
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 52.531 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

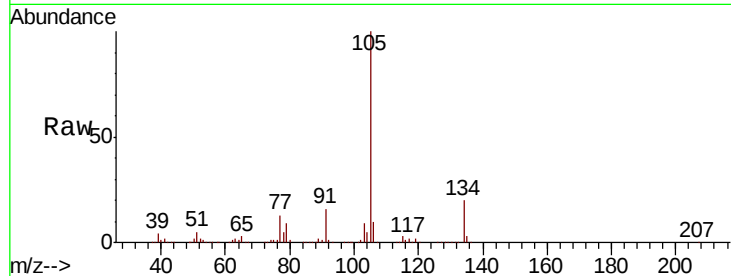
VSTDCCC050

Tot Ion:105 Resp: 788378

Ion Ratio Lower Upper

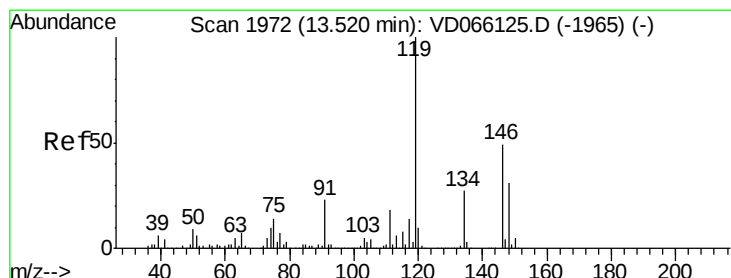
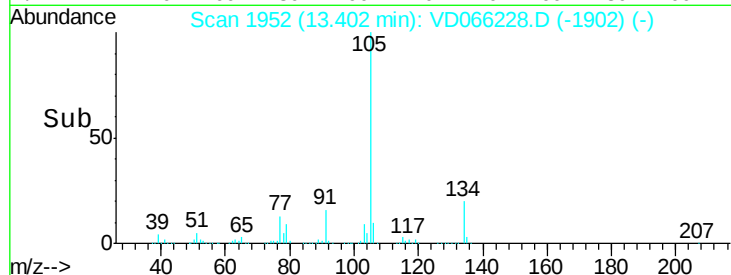
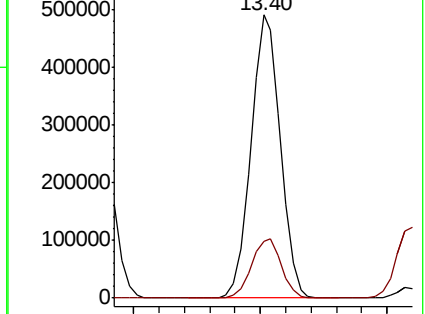
105 100

134 21.4 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: 52.293 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

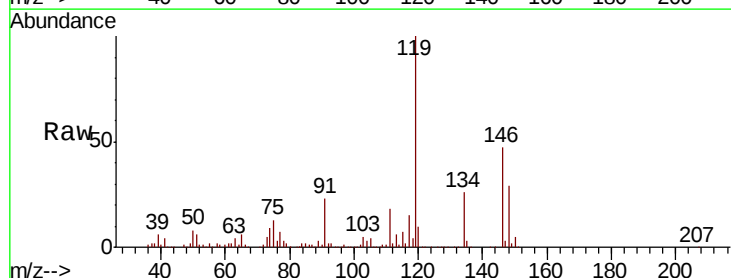
Tgt Ion:119 Resp: 736073

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

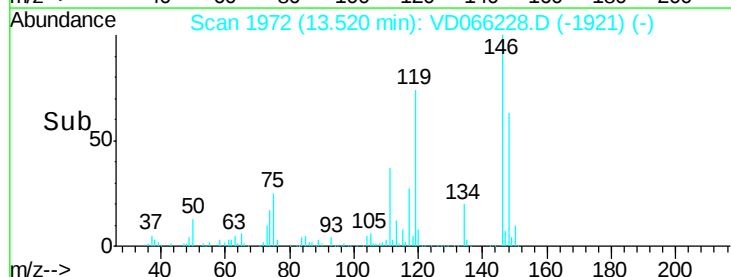
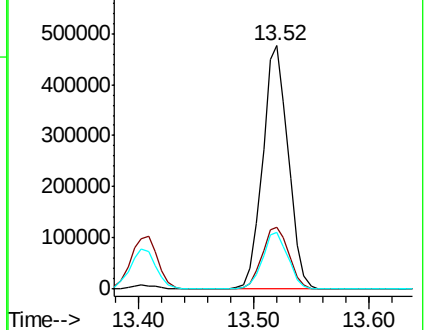
91 23.1 11.2 33.5

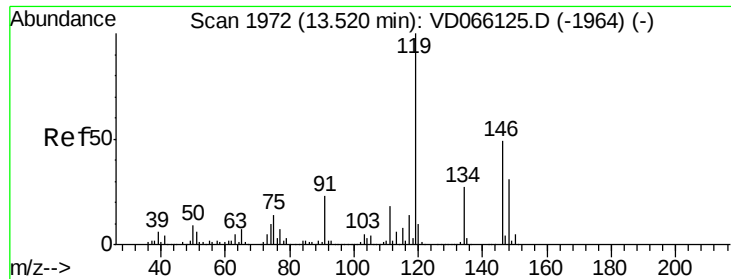


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

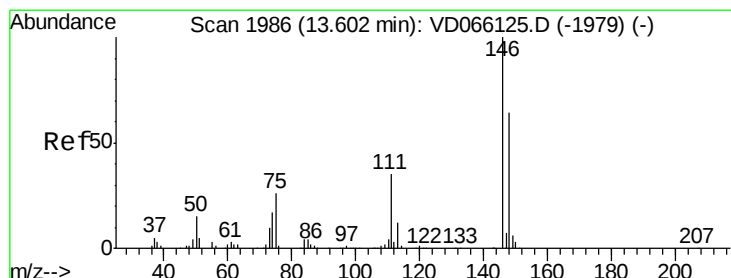
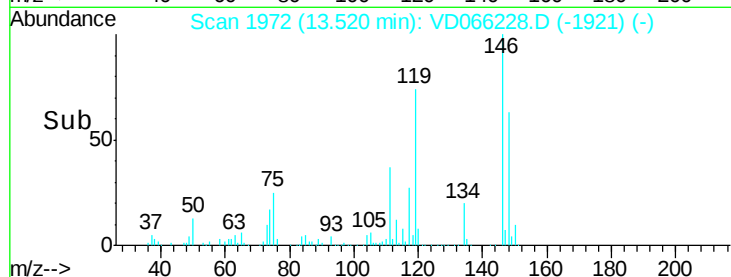
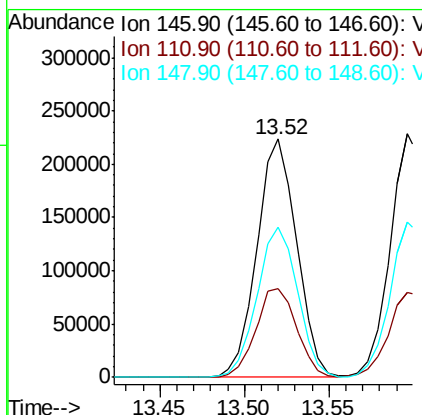
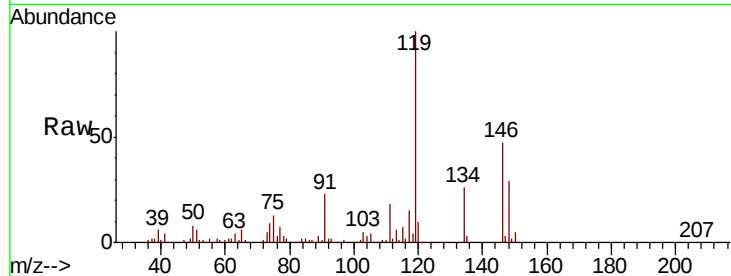




#87
 1,3-Dichlorobenzene
 Concen: 49.794 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

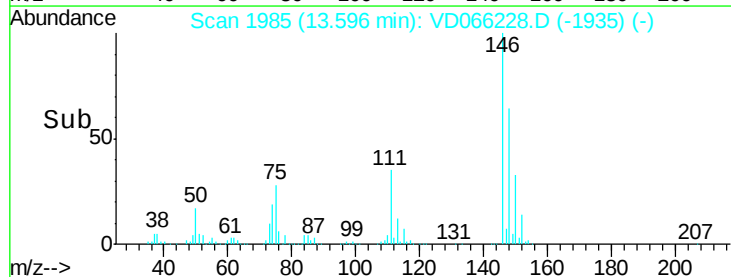
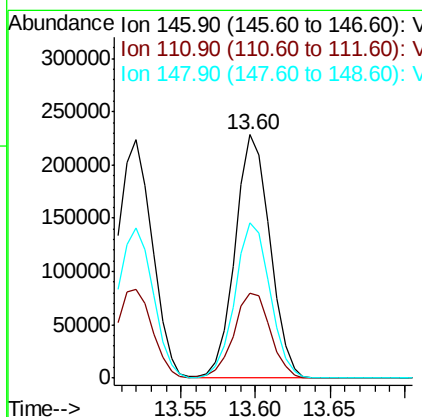
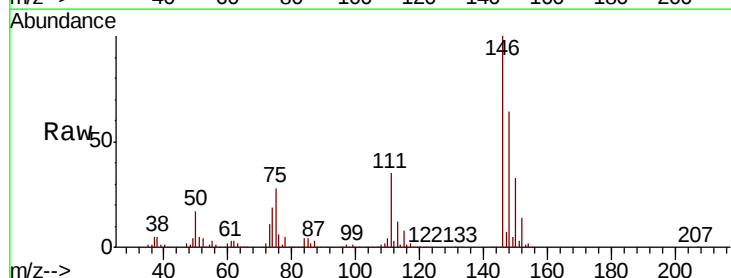
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

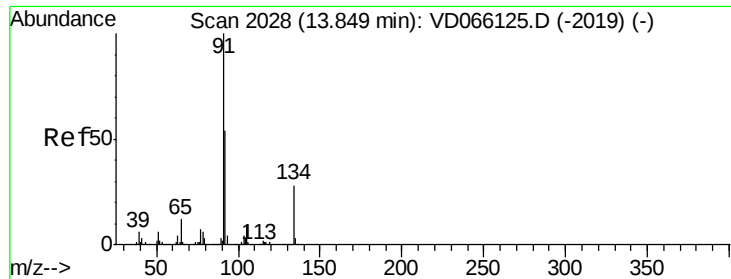
Tot Ion:146 Resp: 364105
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.9 56.9
 148 64.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 51.039 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion:146 Resp: 372194
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.6 55.8
 148 64.3 32.4 97.0

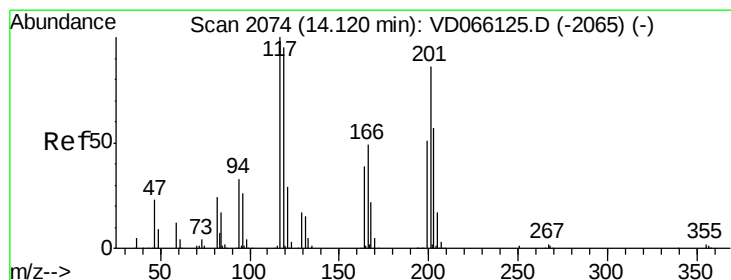
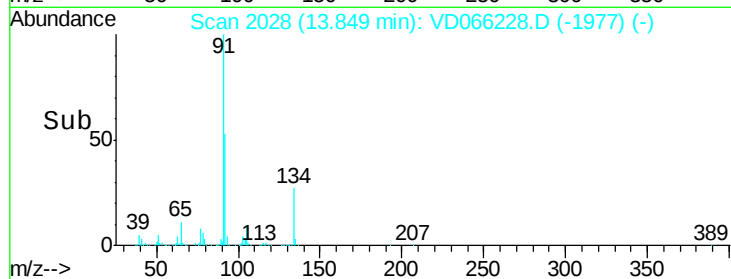
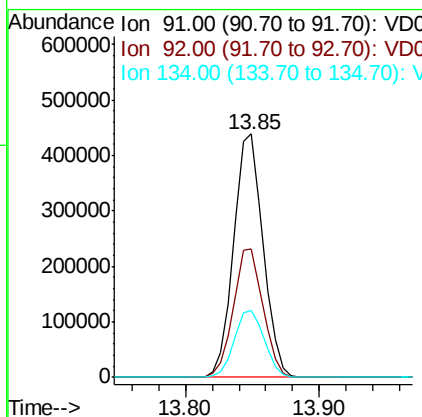
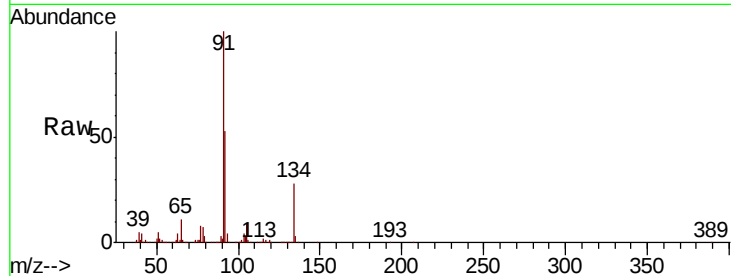




#89
n-Butylbenzene
Concen: 53.294 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

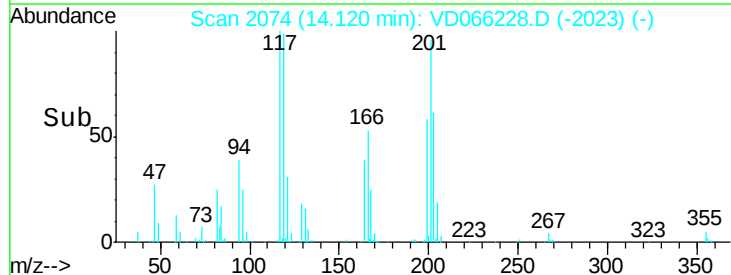
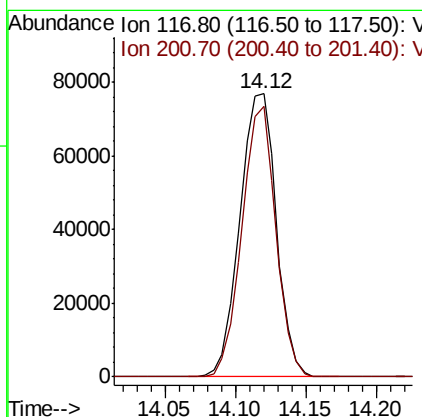
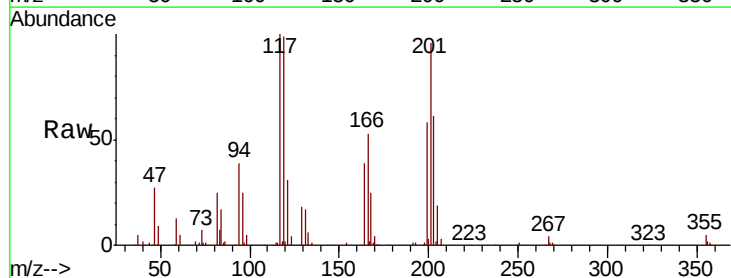
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

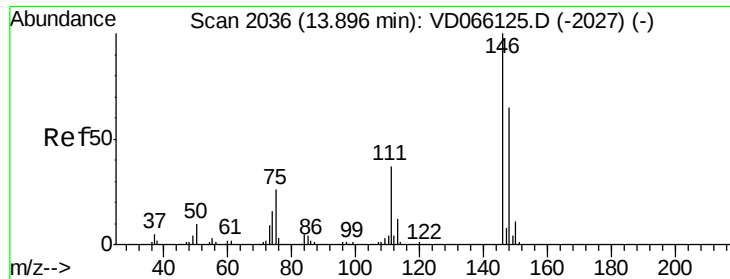
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	28.1	14.0	41.9



#90
Hexachloroethane
Concen: 49.598 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	42.7	128.1

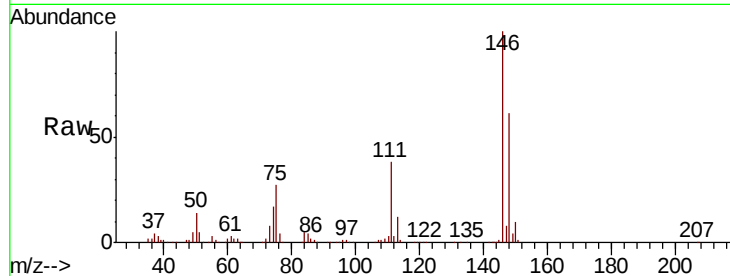




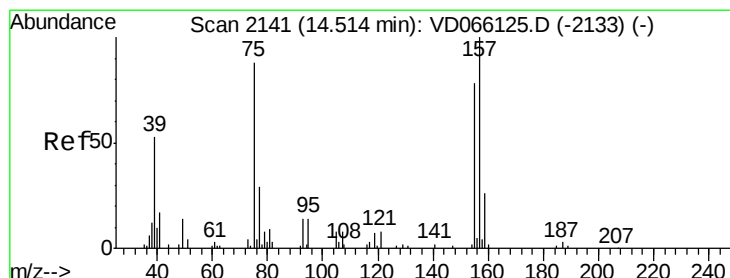
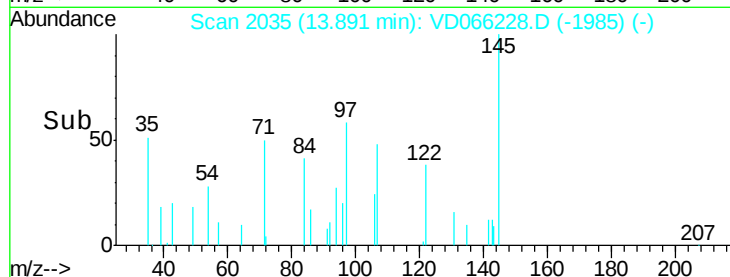
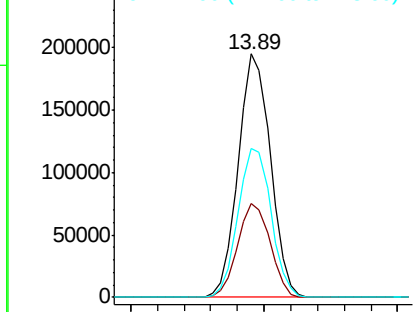
#91
 1,2-Dichlorobenzene
 Concen: 50.461 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.8	56.3
148	62.9	31.9	95.5

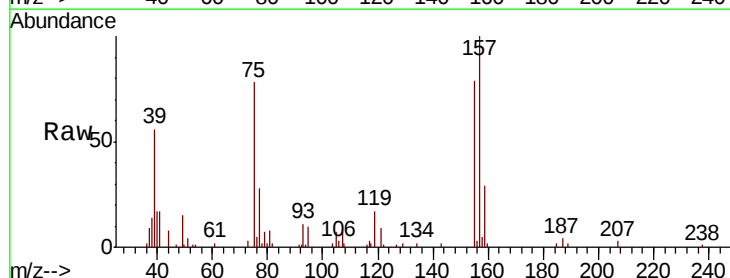


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

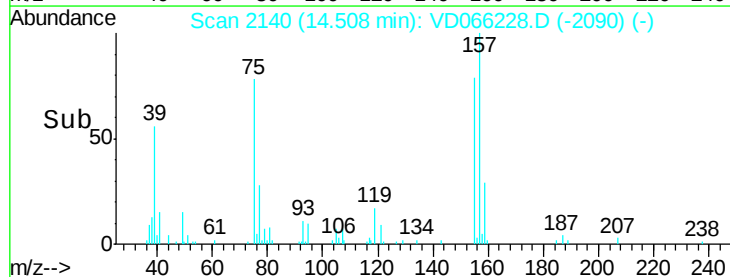
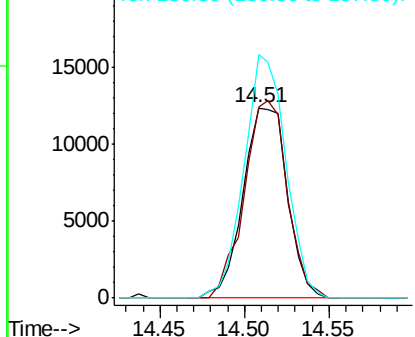


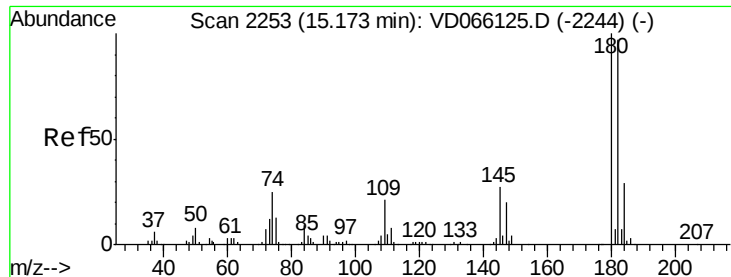
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.900 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	47.7	143.1
157	120.9	62.1	186.2



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

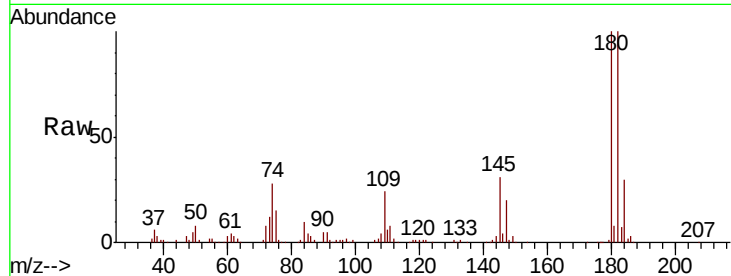




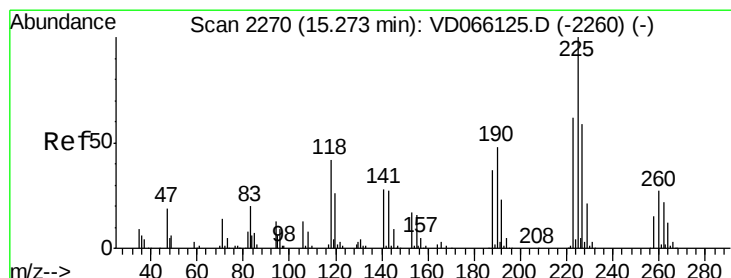
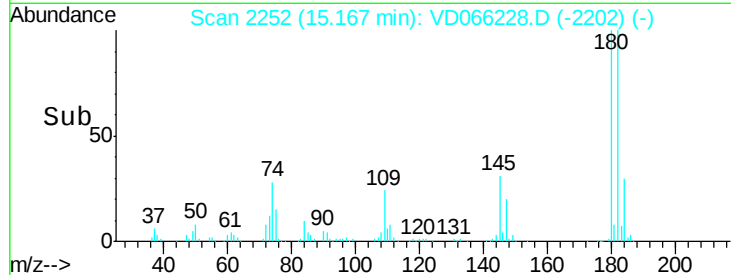
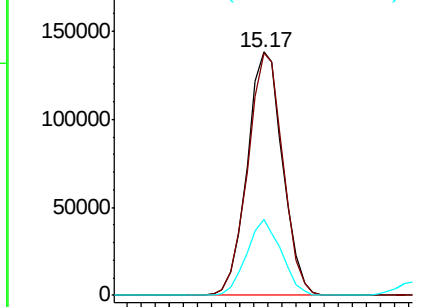
#93
 1,2,4-Trichlorobenzene
 Concen: 51.034 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.4	142.2
145	30.4	14.5	43.6

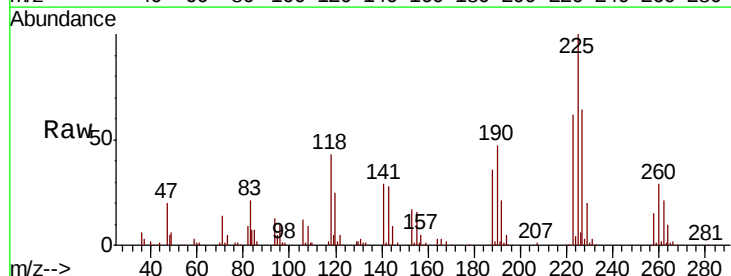


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

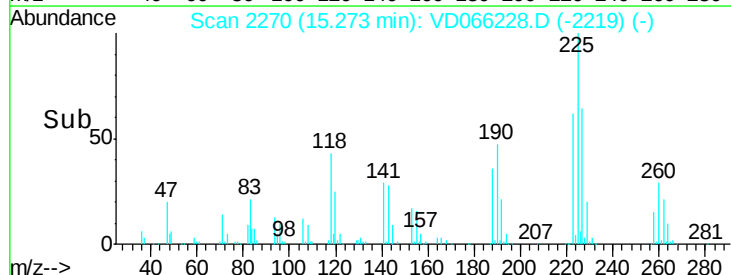
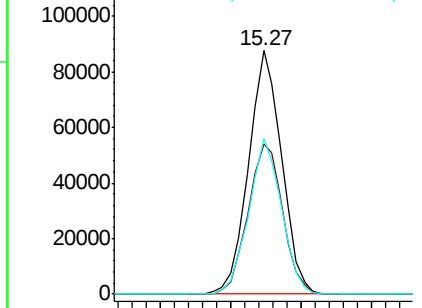


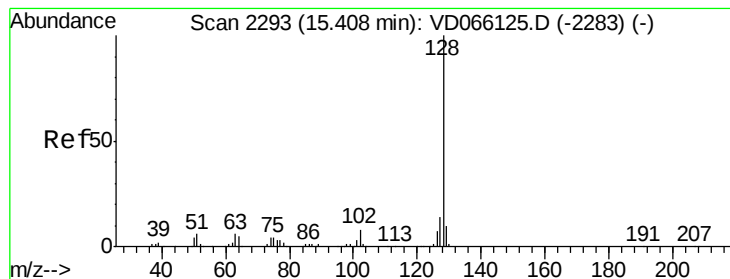
#94
 Hexachlorobutadiene
 Concen: 51.390 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	32.3	96.9
227	63.2	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: 53.932 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

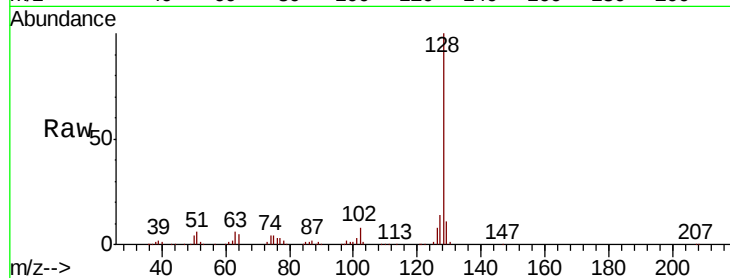
Tot Ion:128 Resp: 418788

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

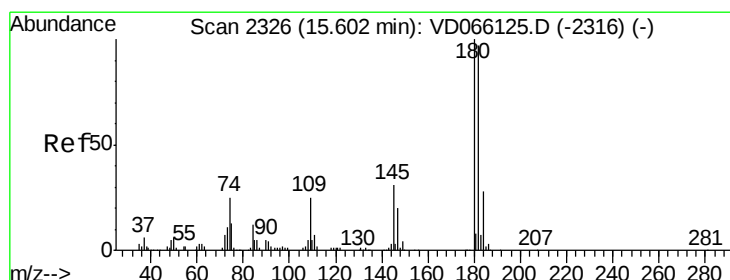
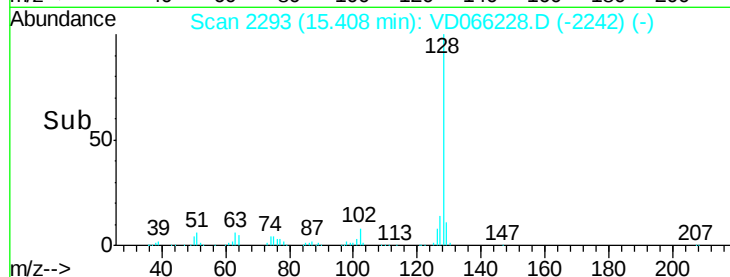
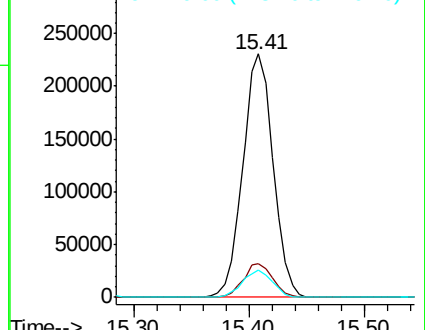
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.252 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

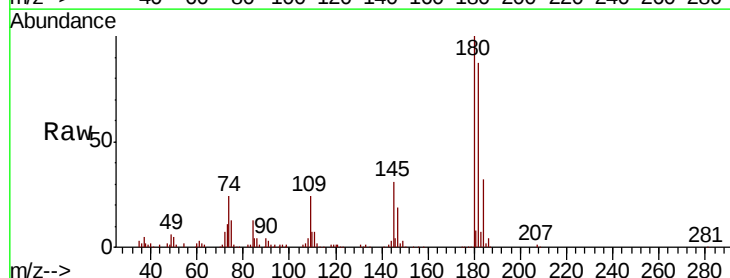
Tgt Ion:180 Resp: 215613

Ion Ratio Lower Upper

180 100

182 95.5 47.1 141.4

145 31.4 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

