

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066608.D
 Acq On : 10 Sep 2020 11:28
 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: Sep 11 02:06:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	386045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	627256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	557096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	233596	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.91	113	217456	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.34	98	797850	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.63	95	268399	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	144697	44.996	ug/l	92
3) Chloromethane	2.21	50	198400	40.638	ug/l	96
4) Vinyl Chloride	2.35	62	224950	41.543	ug/l	95
5) Bromomethane	2.77	94	147416	42.368	ug/l	88
6) Chloroethane	2.92	64	140061	40.724	ug/l	100
7) Trichlorofluoromethane	3.27	101	350204	43.780	ug/l	99
8) Diethyl Ether	3.71	74	88347	43.860	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	191862	44.318	ug/l	98
10) Methyl Iodide	4.30	142	169677	43.534	ug/l	99
11) Tert butyl alcohol	5.21	59	62227	204.783	ug/l #	86
12) 1,1-Dichloroethene	4.07	96	168852	43.413	ug/l	93
13) Acrolein	3.92	56	55528	290.752	ug/l	93
14) Allyl chloride	4.71	41	282800	44.366	ug/l	98
15) Acrylonitrile	5.41	53	197119	227.806	ug/l	98
16) Acetone	4.16	43	246169	286.440	ug/l	100
17) Carbon Disulfide	4.41	76	537979	42.075	ug/l	97
18) Methyl Acetate	4.71	43	92941	45.367	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	425970	46.703	ug/l	98
20) Methylene Chloride	4.97	84	204415	42.676	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	203756	44.116	ug/l	94
22) Diisopropyl ether	6.36	45	604634	46.126	ug/l	98
23) Vinyl Acetate	6.30	43	1789706	239.923	ug/l	100
24) 1,1-Dichloroethane	6.26	63	360848	43.775	ug/l	98
25) 2-Butanone	7.21	43	290263	251.601	ug/l	96
26) 2,2-Dichloropropane	7.20	77	343639	45.447	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	219839	44.262	ug/l	98
28) Bromochloromethane	7.54	49	163326	51.464	ug/l	100
29) Tetrahydrofuran	7.56	42	171079	238.109	ug/l	98
30) Chloroform	7.71	83	382898	43.906	ug/l	99
31) Cyclohexane	7.98	56	331191	43.464	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	362394	44.199	ug/l	99
36) 1,1-Dichloropropene	8.10	75	296921	45.485	ug/l	100
37) Ethyl Acetate	7.29	43	122564	47.151	ug/l	98
38) Carbon Tetrachloride	8.09	117	323916	46.945	ug/l	98

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 QLast Update : Fri Sep 04 01:57:04 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	351496	48.221	ug/l	99
40) Benzene	8.35	78	790256	44.202	ug/l	100
41) Methacrylonitrile	7.56	41	171779	136.523	ug/l #	19
42) 1,2-Dichloroethane	8.42	62	262217	45.267	ug/l	99
43) Isopropyl Acetate	8.45	43	237998	47.778	ug/l	98
44) Trichloroethene	9.11	130	210042	44.788	ug/l	96
45) 1,2-Dichloropropane	9.38	63	199506	44.374	ug/l	96
46) Dibromomethane	9.47	93	111649	45.010	ug/l	96
47) Bromodichloromethane	9.66	83	297129	44.274	ug/l	100
48) Methyl methacrylate	9.45	41	122148	48.493	ug/l	97
49) 1,4-Dioxane	9.46	88	25871	950.675	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	617126	245.647	ug/l	98
52) Toluene	10.40	92	518035	45.775	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	280287	47.311	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	327325	46.008	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	145620	45.658	ug/l	98
56) Ethyl methacrylate	10.66	69	186284	50.164	ug/l	98
57) 1,3-Dichloropropane	10.94	76	250857	44.905	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	435983	256.684	ug/l	99
59) 2-Hexanone	10.98	43	449105	265.831	ug/l	100
60) Dibromochloromethane	11.14	129	192307	45.598	ug/l	98
61) 1,2-Dibromoethane	11.24	107	143478	46.241	ug/l	99
64) Tetrachloroethene	10.87	164	167633	44.691	ug/l	96
65) Chlorobenzene	11.67	112	527066	45.840	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	197174	44.932	ug/l	97
67) Ethyl Benzene	11.74	91	992141	46.993	ug/l	99
68) m/p-Xylenes	11.85	106	749919	95.663	ug/l	97
69) o-Xylene	12.18	106	337374	48.022	ug/l	98
70) Styrene	12.20	104	588769	48.205	ug/l	98
71) Bromoform	12.36	173	104664	47.326	ug/l #	98
73) Isopropylbenzene	12.48	105	958231	49.757	ug/l	99
74) N-amyl acetate	12.29	43	215725	49.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	157542	46.305	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	216549	86.566	ug/l #	100
77) Bromobenzene	12.76	156	203576	47.415	ug/l	98
78) n-propylbenzene	12.82	91	1157868	49.597	ug/l	100
79) 2-Chlorotoluene	12.91	91	622640	47.541	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	799320	49.313	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	54192	50.576	ug/l	94
82) 4-Chlorotoluene	13.01	91	662458	47.300	ug/l	99
83) tert-Butylbenzene	13.23	119	658653	49.761	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	785331	48.664	ug/l	97
85) sec-Butylbenzene	13.40	105	947123	49.665	ug/l	99
86) p-Isopropyltoluene	13.52	119	856499	49.900	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	391496	45.930	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	386647	45.195	ug/l	99
89) n-Butylbenzene	13.84	91	827377	49.465	ug/l	100
90) Hexachloroethane	14.11	117	171587	46.395	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	329497	44.226	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26668	46.142	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

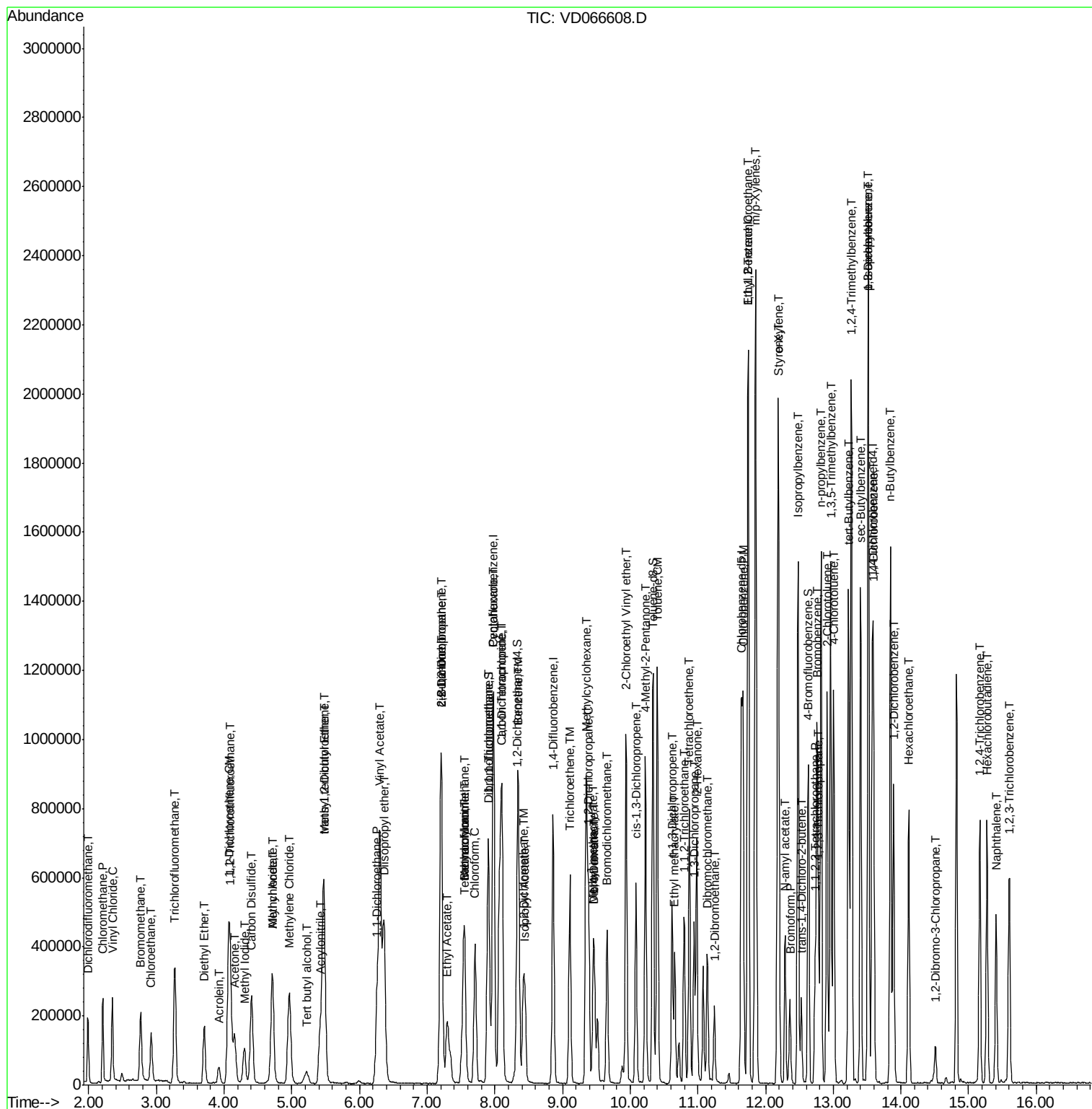
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	219862	49.172	ug/l	98
94) Hexachlorobutadiene	15.27	225	130929	48.741	ug/l	97
95) Naphthalene	15.41	128	410370	52.522	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	190045	49.854	ug/l	99

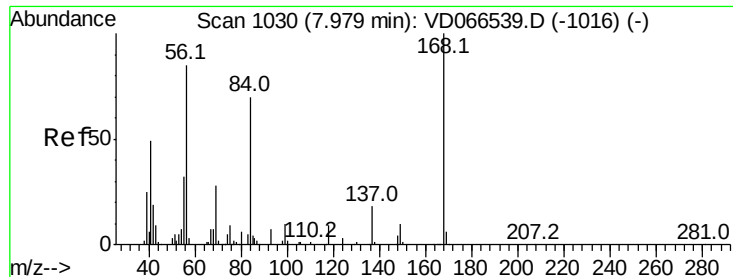
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

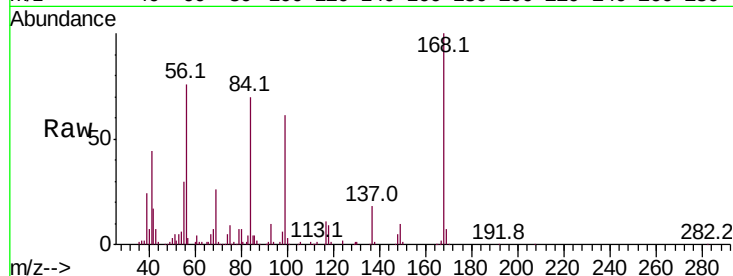
VSTDCCC050

Tot Ion:168 Resp: 386045

Ion Ratio Lower Upper

168 100

99 60.9 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

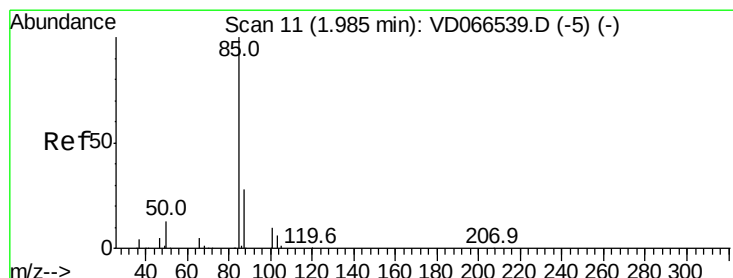
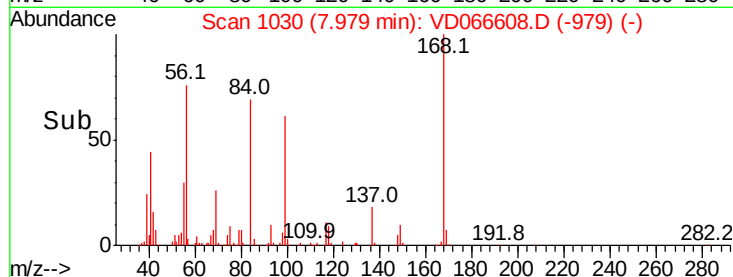
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.996 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066608.D

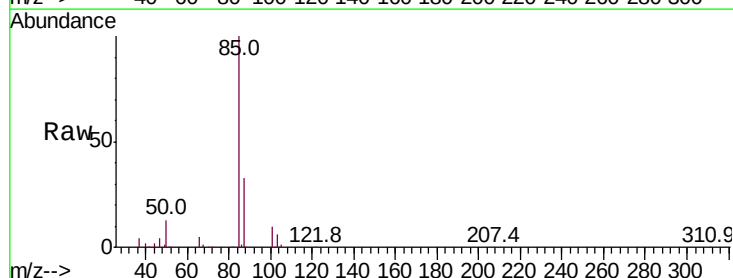
Acq: 10 Sep 2020 11:28

Tgt Ion: 85 Resp: 144697

Ion Ratio Lower Upper

85 100

87 32.8 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

120000

100000

80000

60000

40000

20000

0

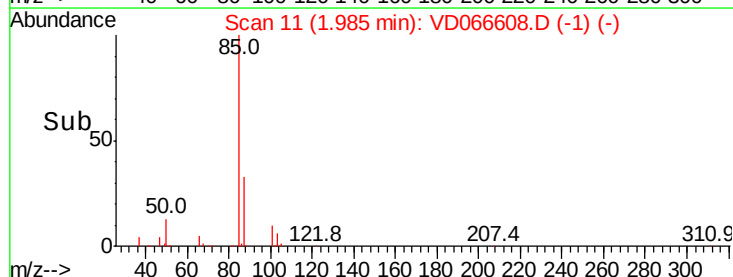
1.90

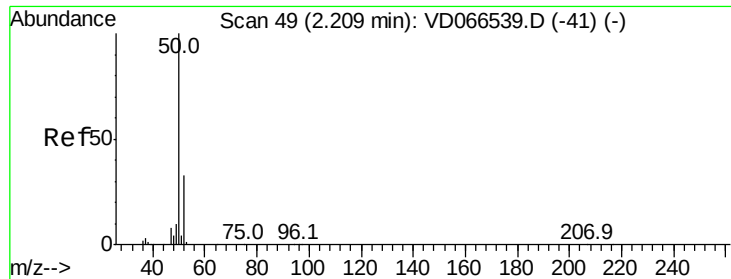
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 40.638 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

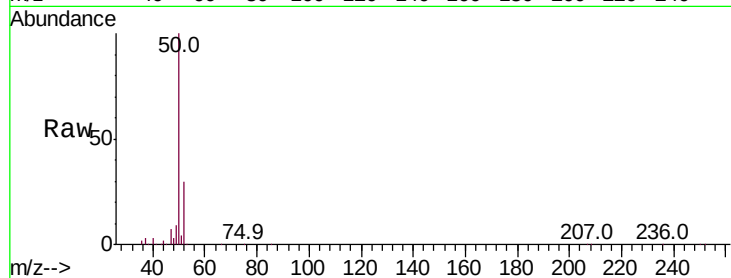
VSTDCCC050

Tot Ion: 50 Resp: 198400

Ion Ratio Lower Upper

50 100

52 30.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

150000

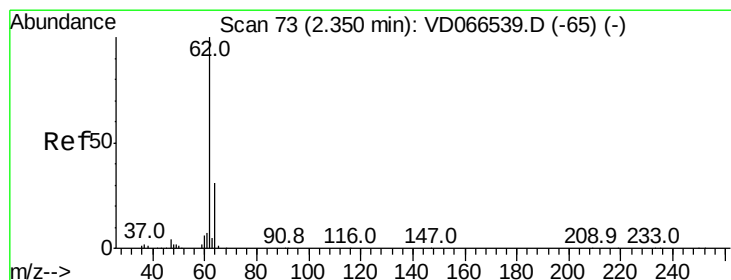
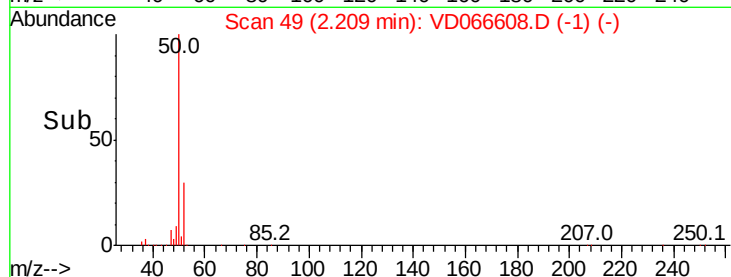
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 41.543 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066608.D

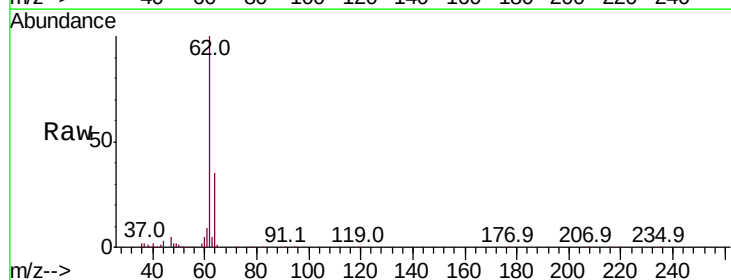
Acq: 10 Sep 2020 11:28

Tgt Ion: 62 Resp: 224950

Ion Ratio Lower Upper

62 100

64 34.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

150000

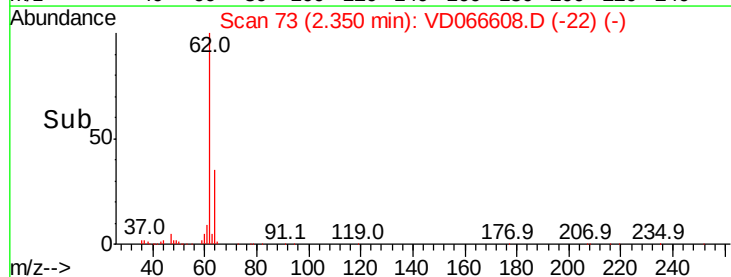
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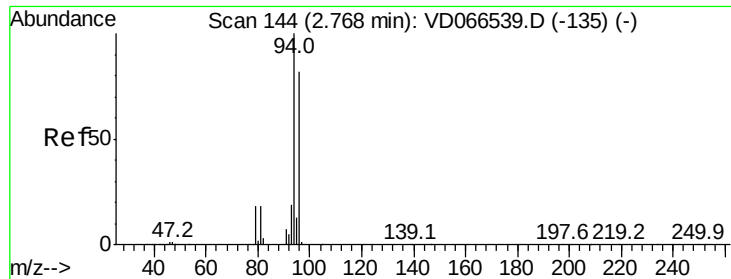
50000

0

2.30 2.35 2.40

Time-->





#5

Bromomethane

Concen: 42.368 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

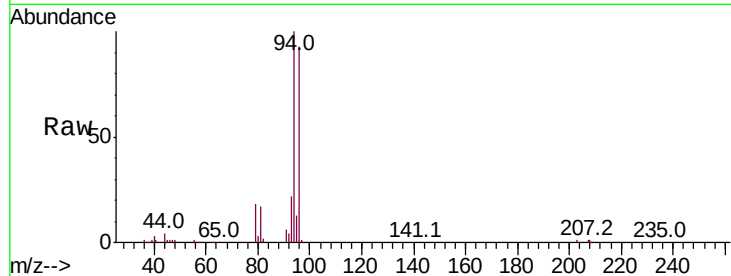
VSTDCCC050

Tot Ion: 94 Resp: 147416

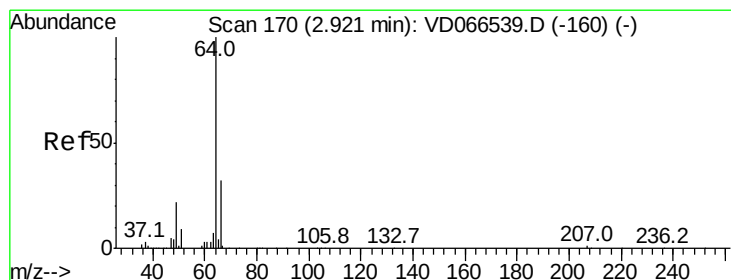
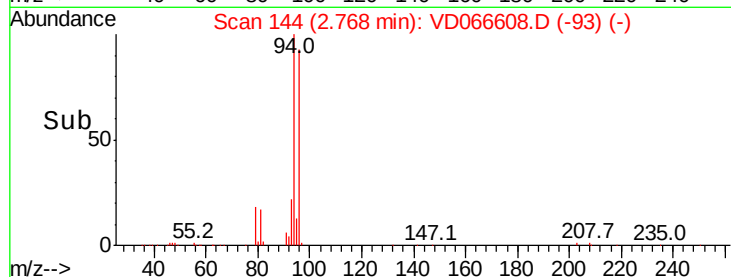
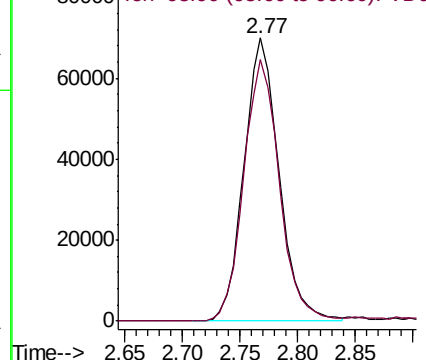
Ion Ratio Lower Upper

94 100

96 92.4 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 40.724 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066608.D

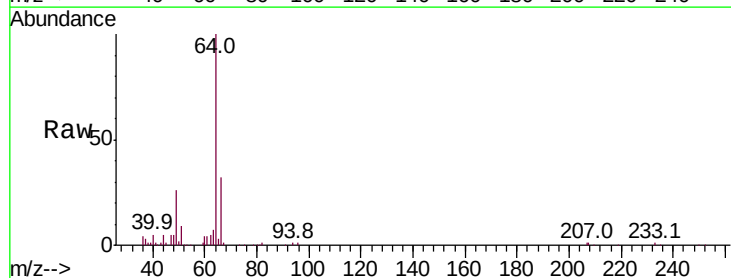
Acq: 10 Sep 2020 11:28

Tgt Ion: 64 Resp: 140061

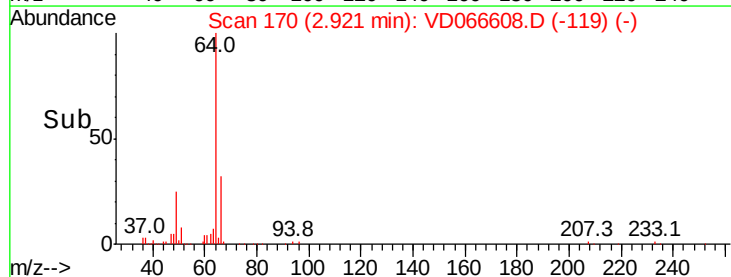
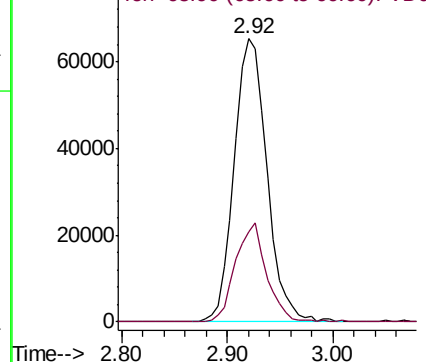
Ion Ratio Lower Upper

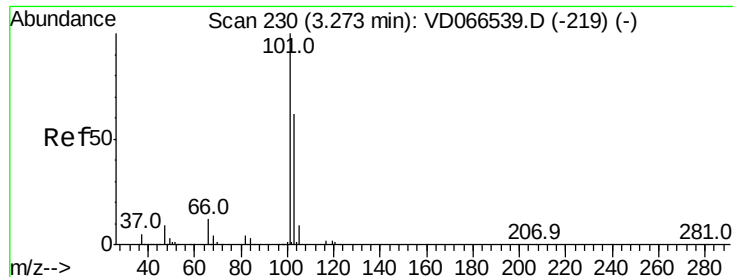
64 100

66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



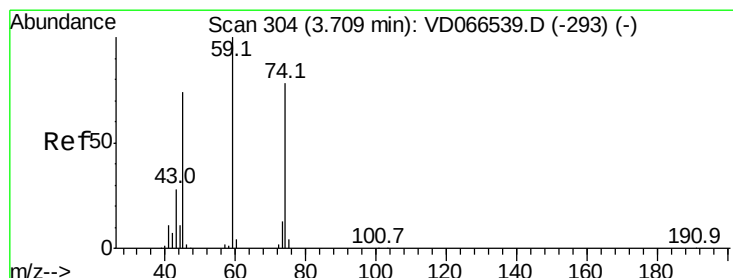
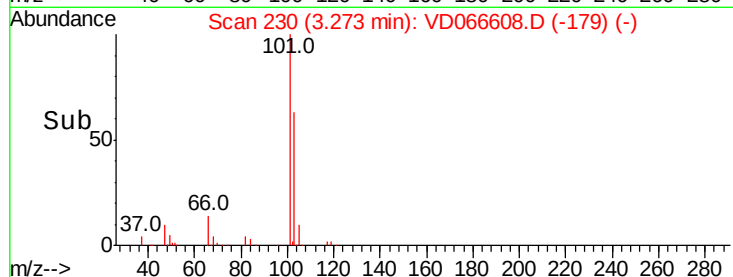
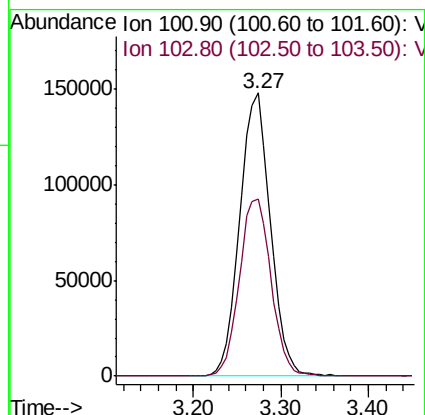
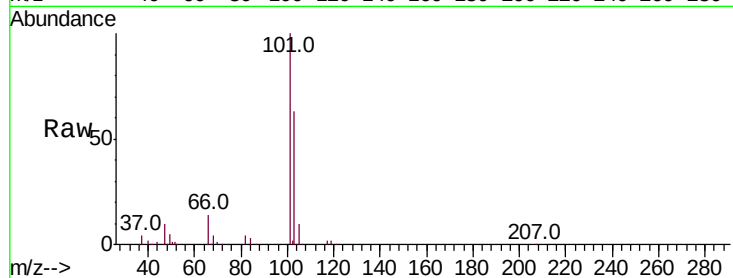


#7

Trichlorofluoromethane
 Concen: 43.780 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066608.D
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 VSTDCCC050

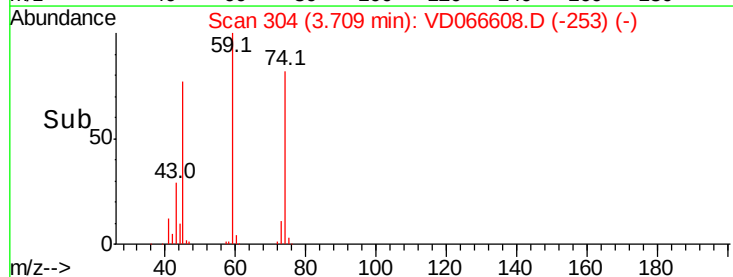
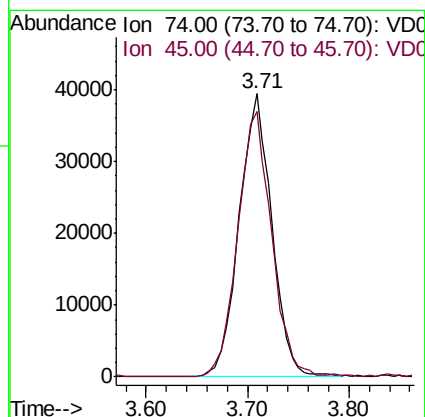
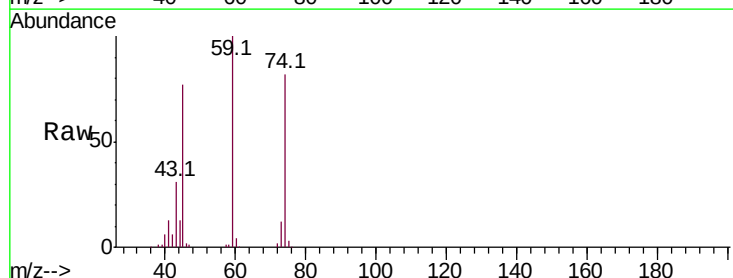
Tot Ion:101 Resp: 350204
 Ion Ratio Lower Upper
 101 100
 103 62.6 49.7 74.5

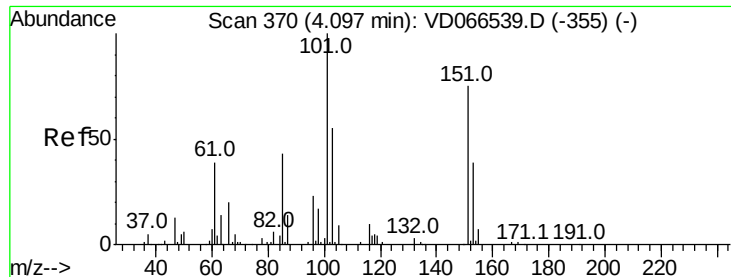


#8

Diethyl Ether
 Concen: 43.860 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066608.D
 Acq: 10 Sep 2020 11:28

Tgt Ion: 74 Resp: 88347
 Ion Ratio Lower Upper
 74 100
 45 96.8 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.318 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

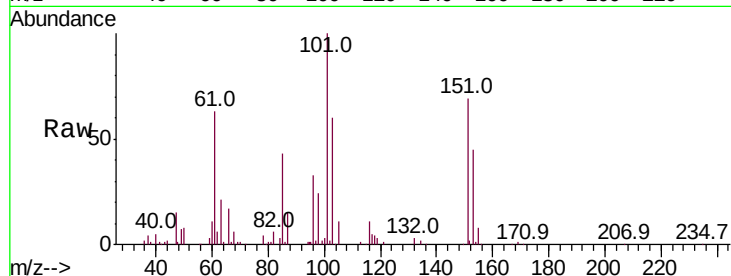
Tot Ion:101 Resp: 191862

Ion Ratio Lower Upper

101 100

85 46.7 37.0 55.6

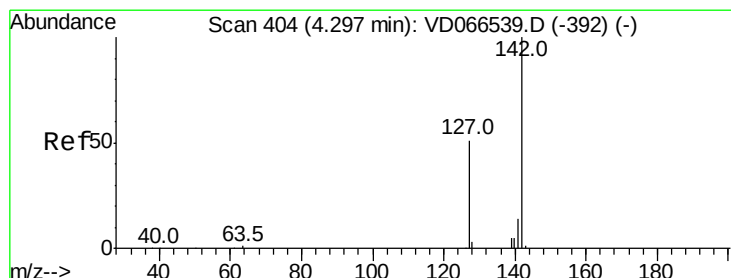
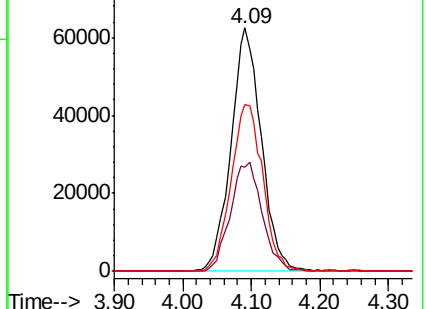
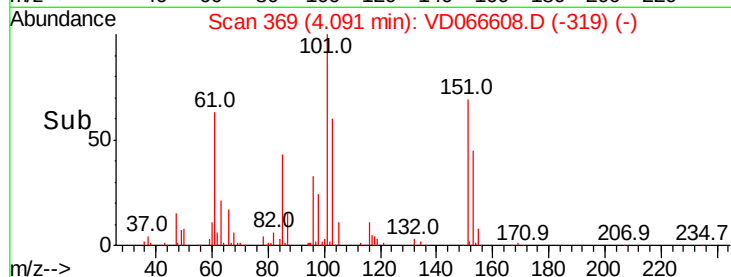
151 71.5 59.4 89.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.534 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

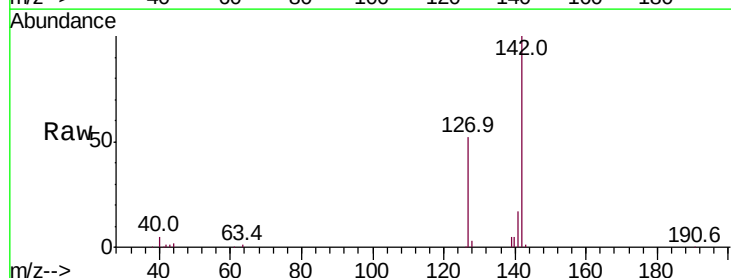
Tgt Ion:142 Resp: 169677

Ion Ratio Lower Upper

142 100

127 50.4 40.6 61.0

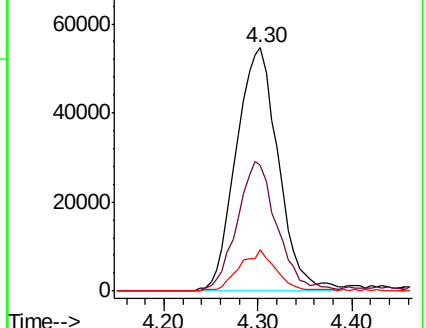
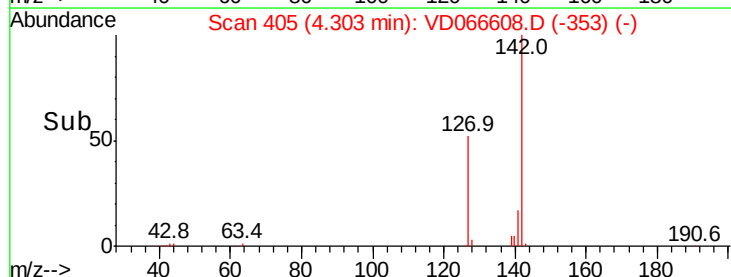
141 14.6 12.2 18.4

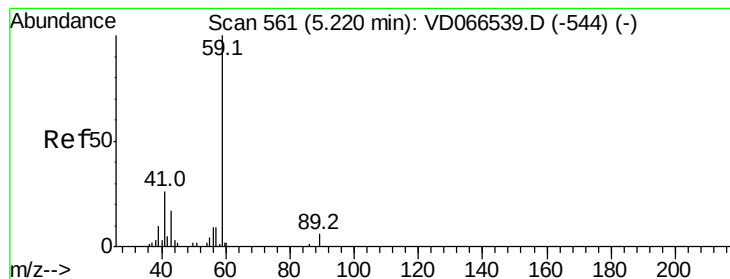


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 204.783 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

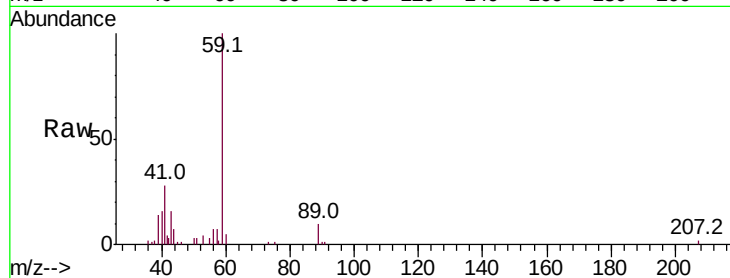
VSTDCCC050

Tot Ion: 59 Resp: 62227

Ion Ratio Lower Upper

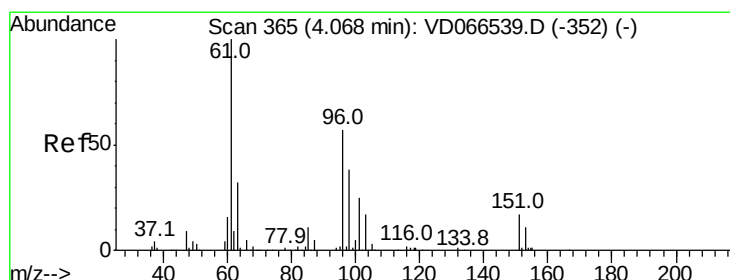
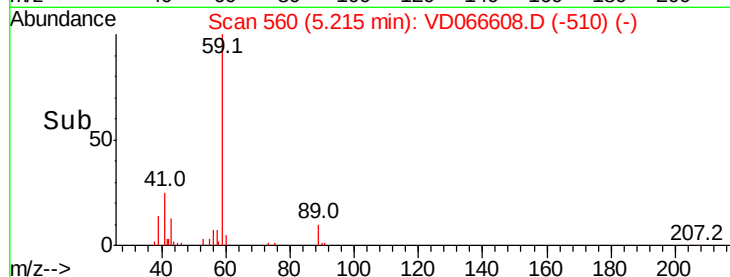
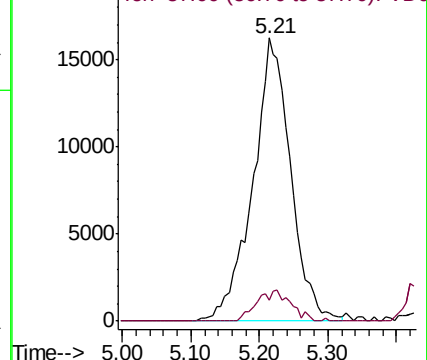
59 100

57 4.3 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 43.413 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

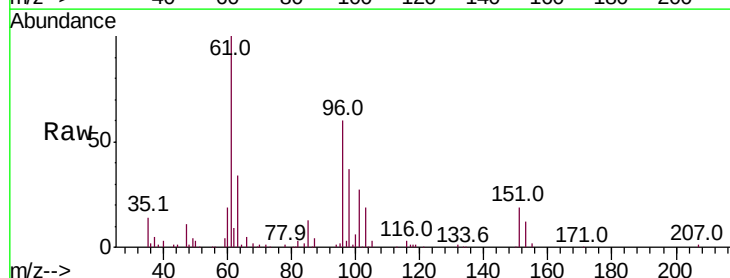
Tgt Ion: 96 Resp: 168852

Ion Ratio Lower Upper

96 100

61 166.0 140.9 211.3

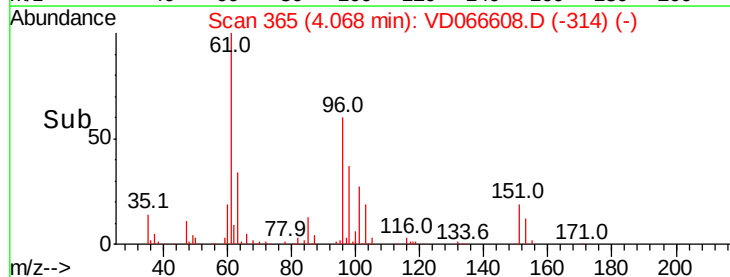
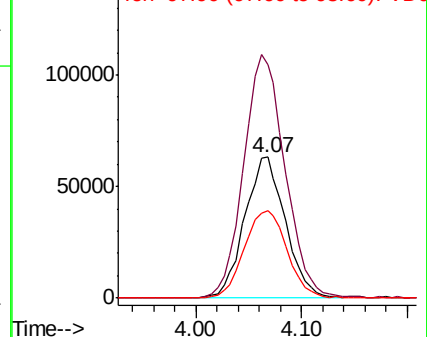
98 62.0 53.2 79.8

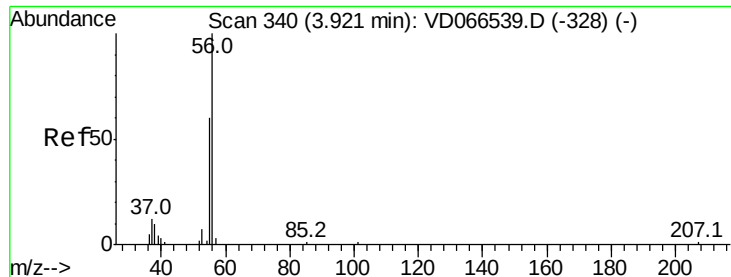


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 290.752 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

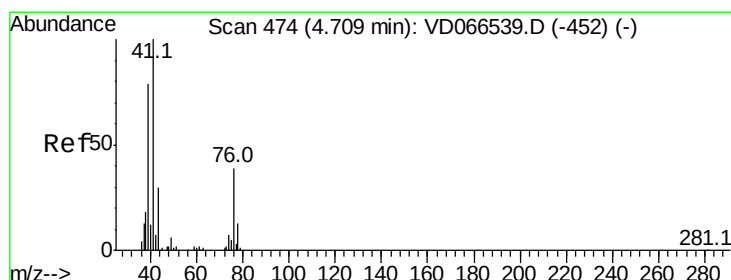
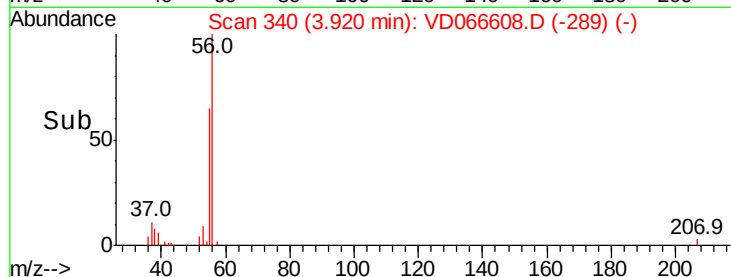
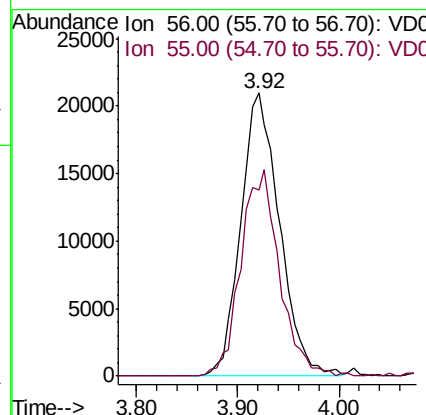
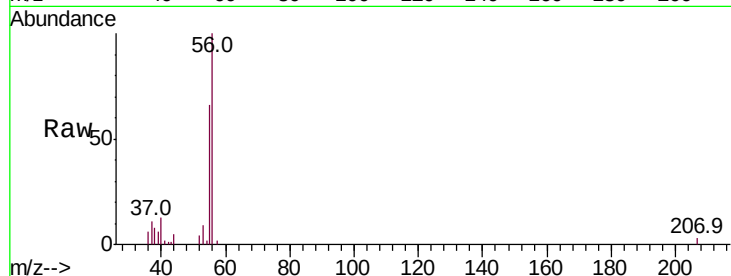
VSTDCCC050

Tot Ion: 56 Resp: 55528

Ion Ratio Lower Upper

56 100

55 72.6 53.6 80.4



#14

Allyl chloride

Concen: 44.366 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

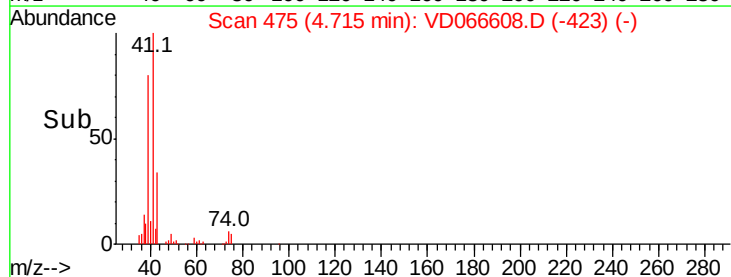
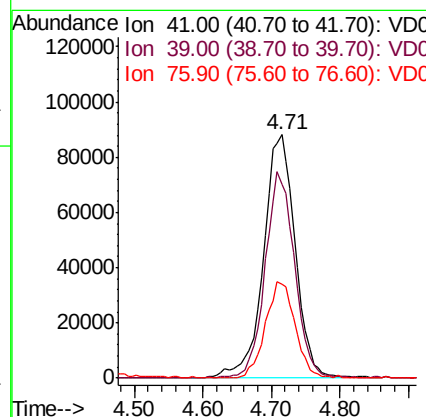
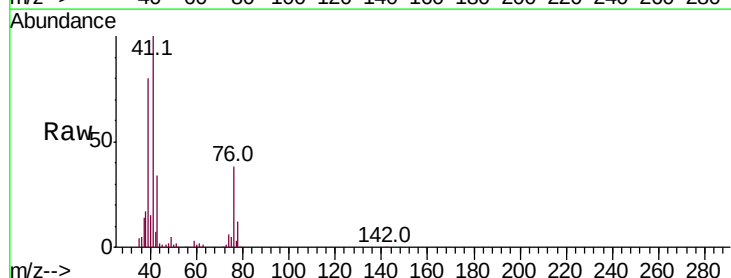
Tgt Ion: 41 Resp: 282800

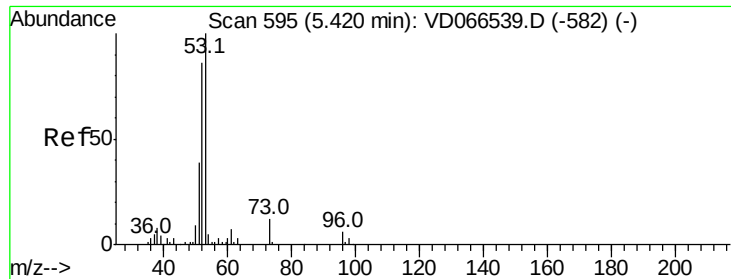
Ion Ratio Lower Upper

41 100

39 79.1 61.9 92.9

76 37.3 29.0 43.6





#15

Acrylonitrile

Concen: 227.806 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

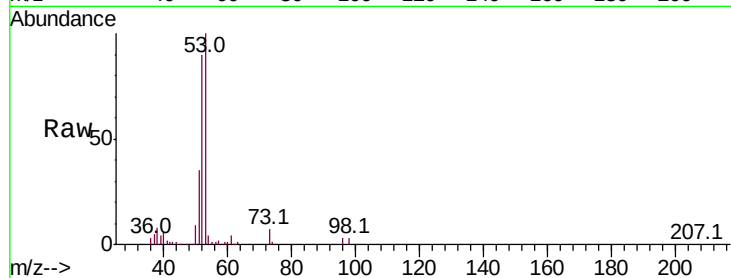
Tot Ion: 53 Resp: 197119

Ion Ratio Lower Upper

53 100

52 83.8 65.4 98.2

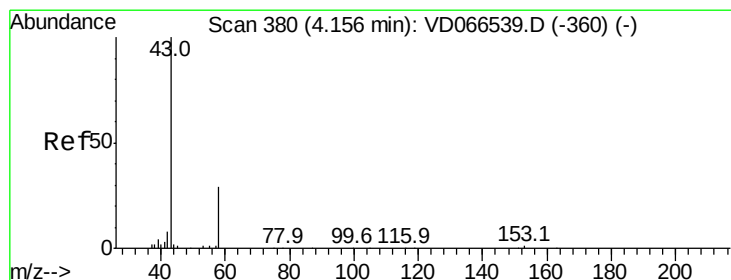
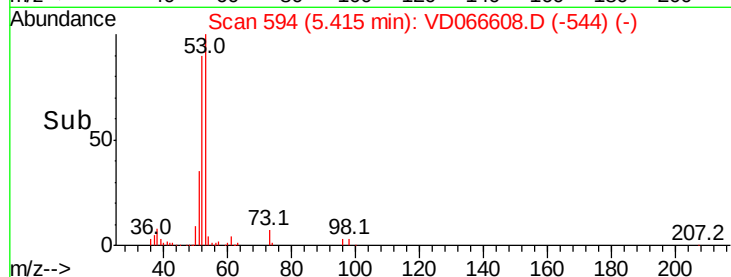
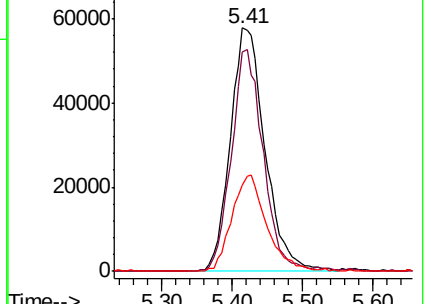
51 39.4 31.2 46.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 286.440 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066608.D

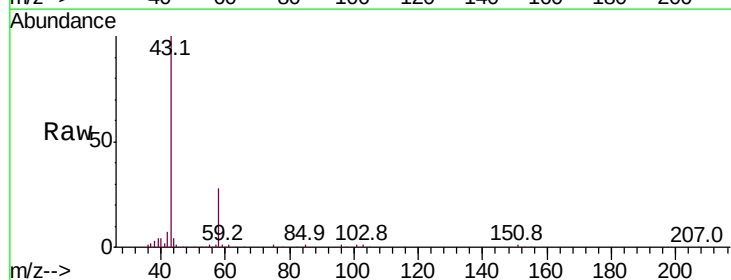
Acq: 10 Sep 2020 11:28

Tgt Ion: 43 Resp: 246169

Ion Ratio Lower Upper

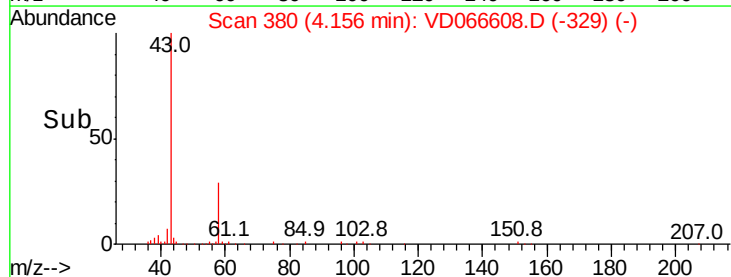
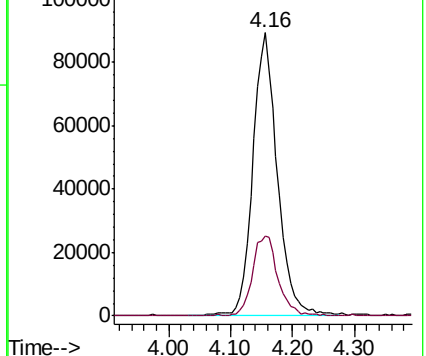
43 100

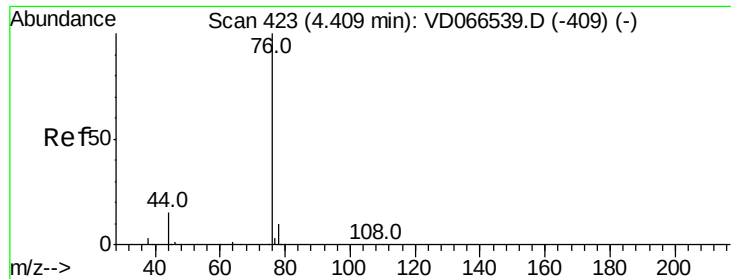
58 28.4 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

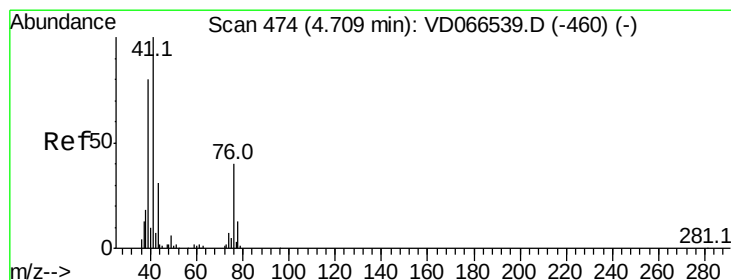
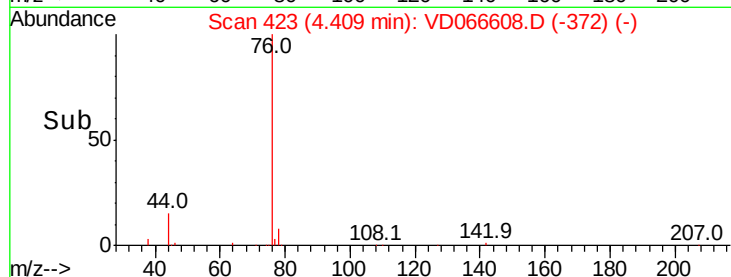
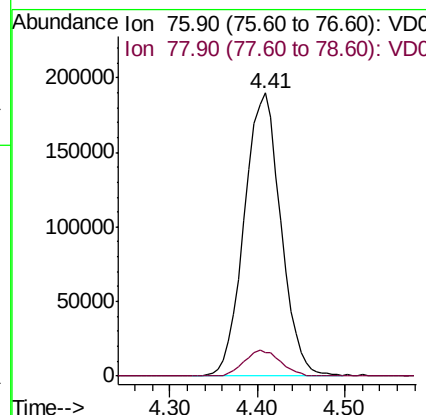
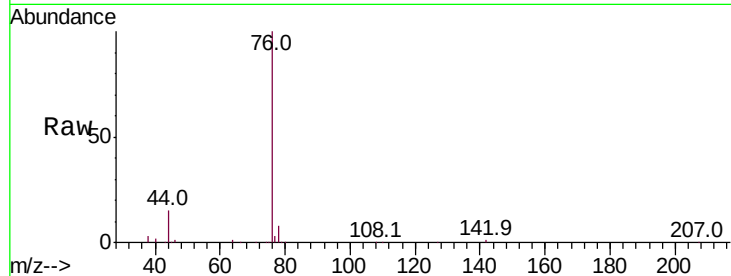




#17
Carbon Disulfide
Concen: 42.075 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

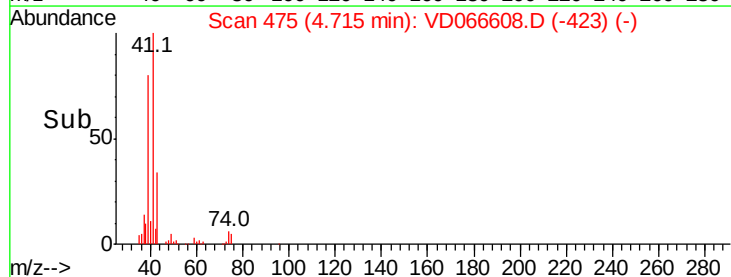
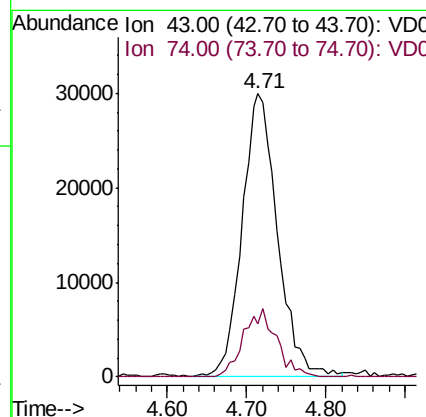
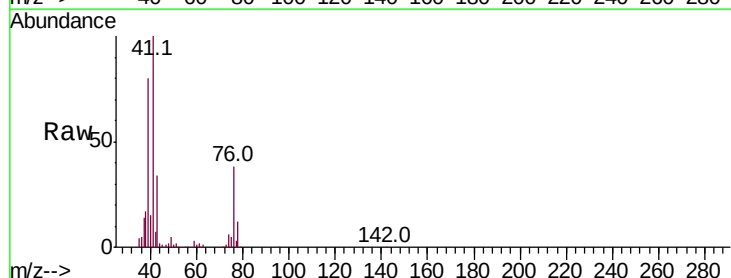
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

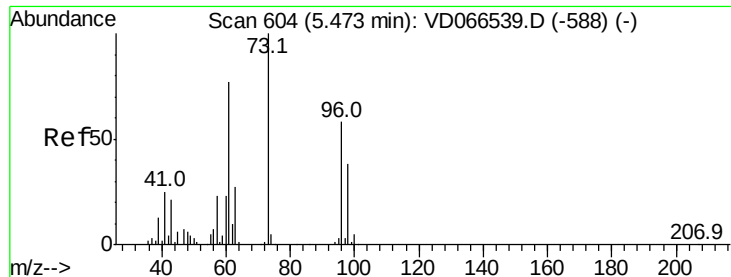
Tot Ion: 76 Resp: 537979
Ion Ratio Lower Upper
76 100
78 8.3 7.6 11.4



#18
Methyl Acetate
Concen: 45.367 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion: 43 Resp: 92941
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 46.703 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

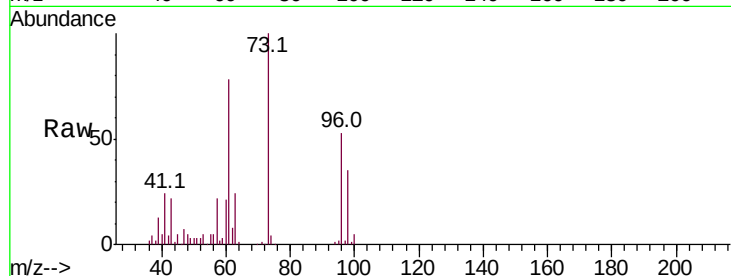
VSTDCCC050

Tot Ion: 73 Resp: 425970

Ion Ratio Lower Upper

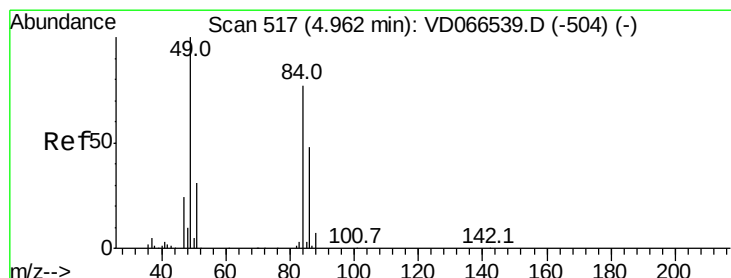
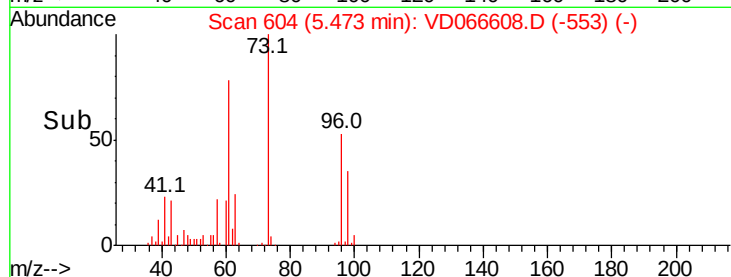
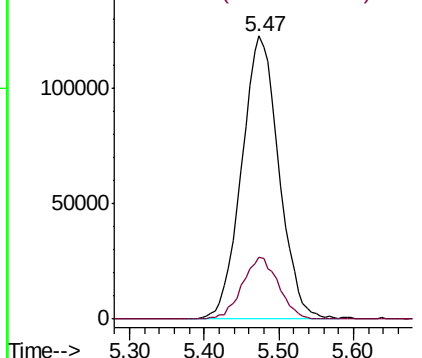
73 100

57 21.9 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 42.676 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Tgt Ion: 84 Resp: 204415

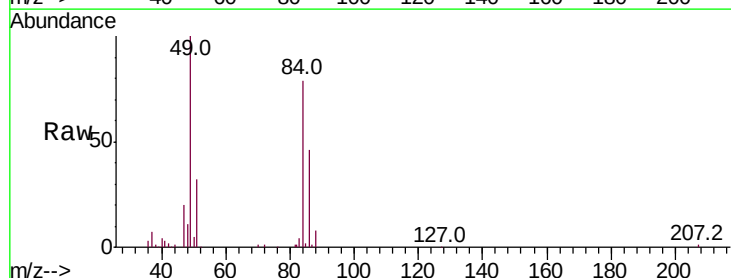
Ion Ratio Lower Upper

84 100

49 127.3 104.3 156.5

51 41.0 32.2 48.4

86 59.2 50.0 75.0

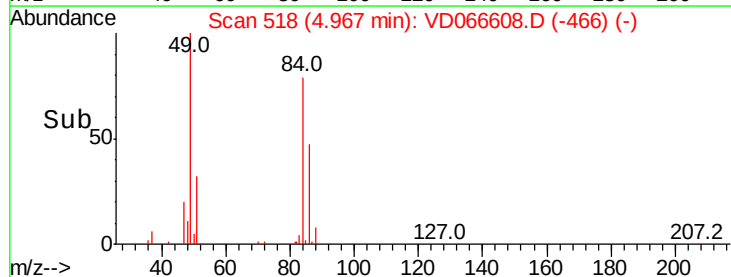
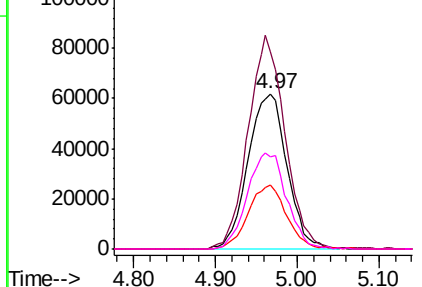


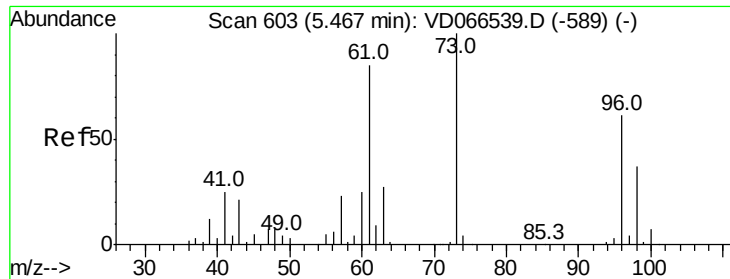
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 44.116 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

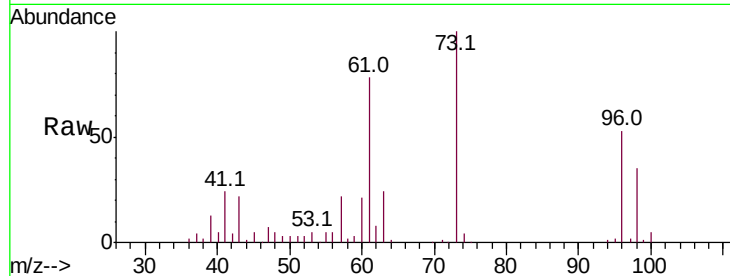
Tot Ion: 96 Resp: 203756

Ion Ratio Lower Upper

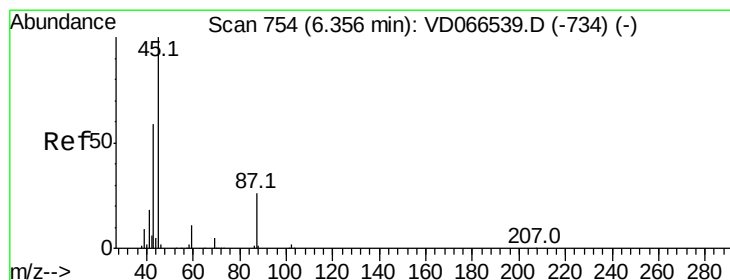
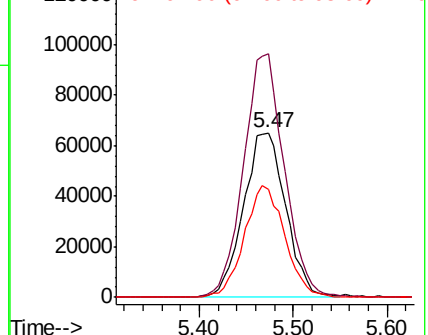
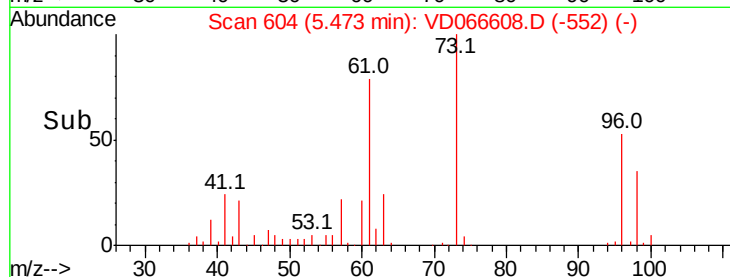
96 100

61 147.8 112.1 168.1

98 65.1 48.6 72.8



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



#22

Diisopropyl ether

Concen: 46.126 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Tgt Ion: 45 Resp: 604634

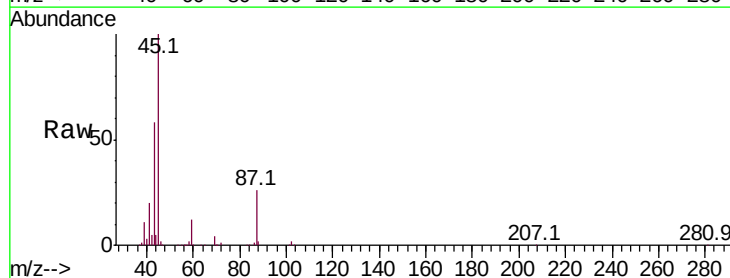
Ion Ratio Lower Upper

45 100

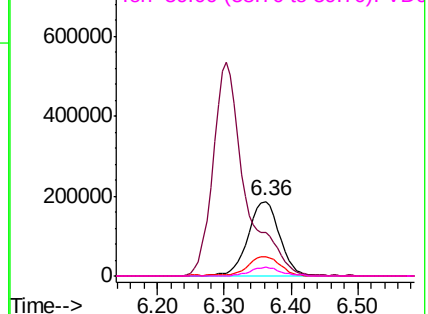
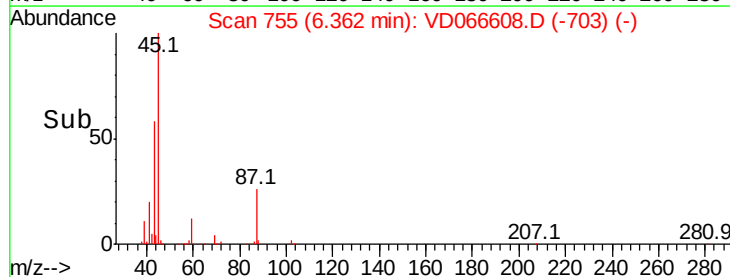
43 57.1 47.0 70.4

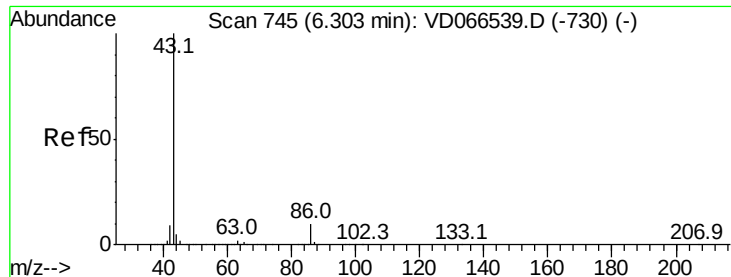
87 26.1 21.3 31.9

59 11.5 8.7 13.1



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: 239.923 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

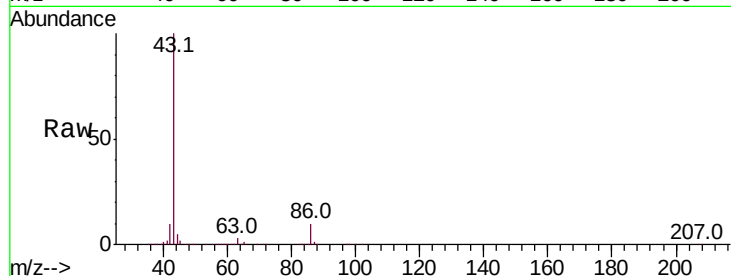
VSTDCCC050

Tot Ion: 43 Resp: 1789706

Ion Ratio Lower Upper

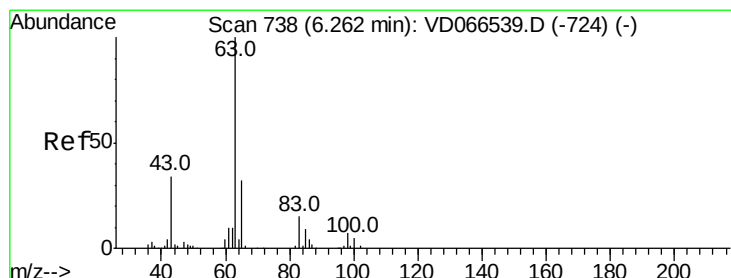
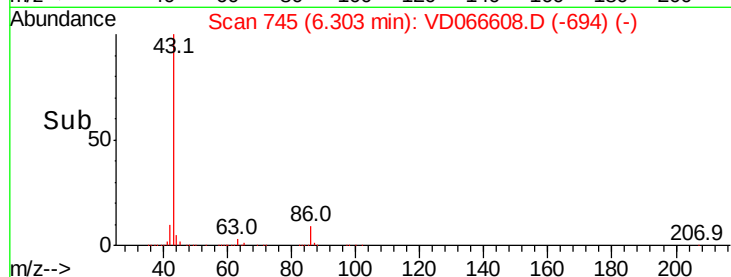
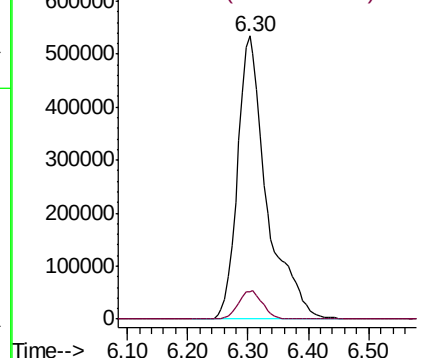
43 100

86 9.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 43.775 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

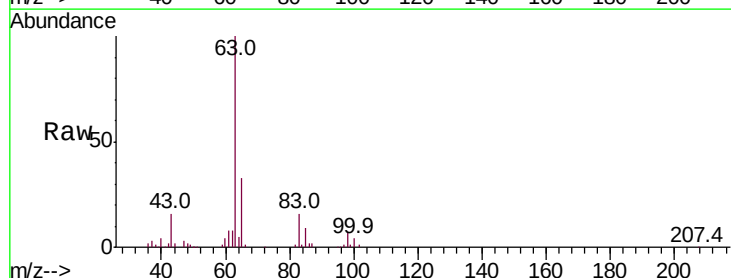
Tgt Ion: 63 Resp: 360848

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

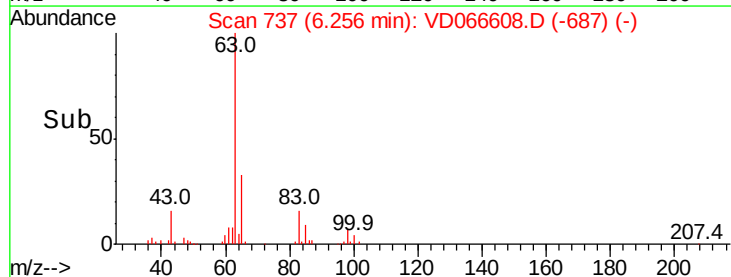
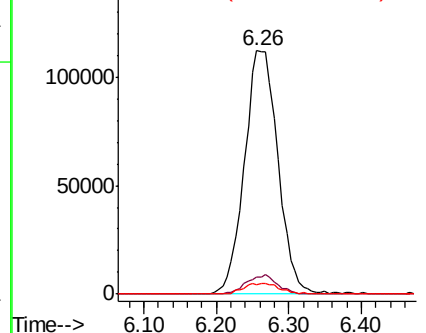
100 3.7 2.5 7.4

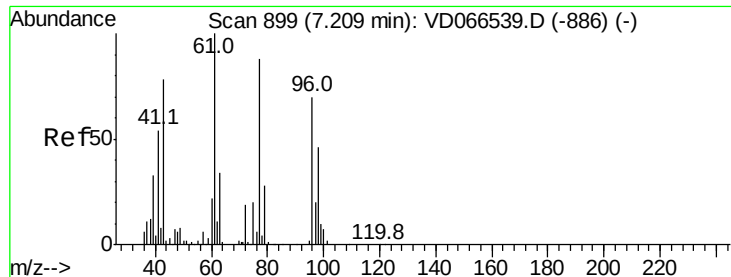


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 251.601 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

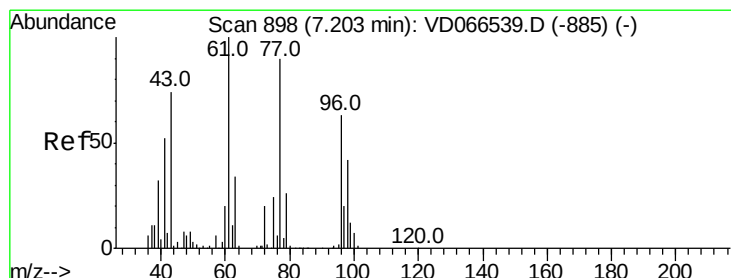
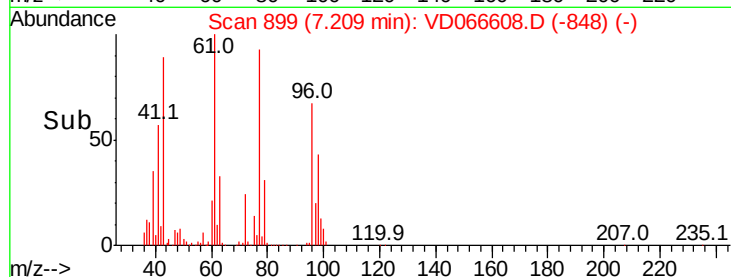
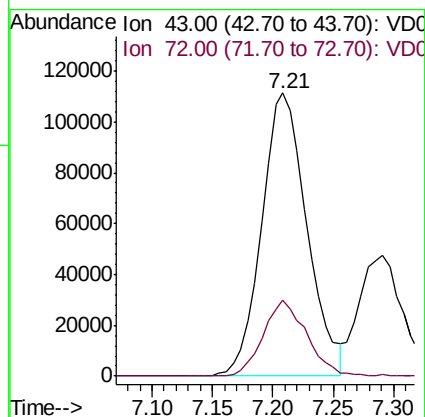
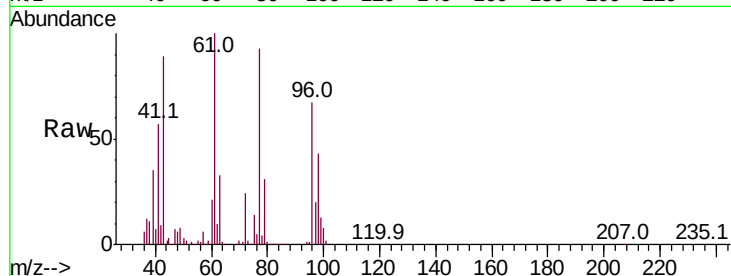
VSTDCCC050

Tot Ion: 43 Resp: 290263

Ion Ratio Lower Upper

43 100

72 26.6 19.8 29.6



#26

2,2-Dichloropropane

Concen: 45.447 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066608.D

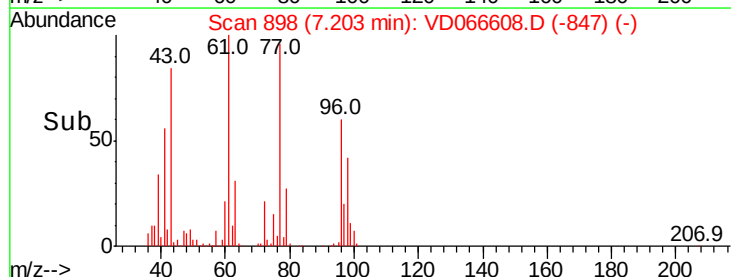
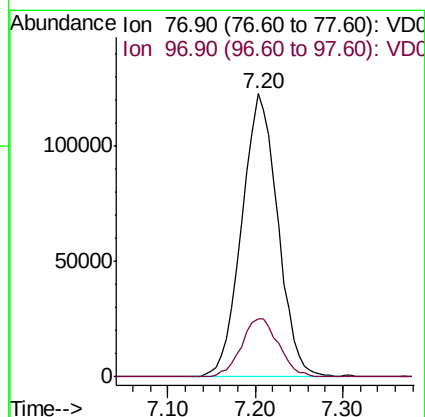
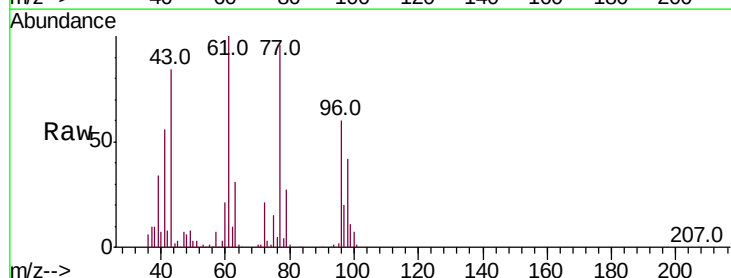
Acq: 10 Sep 2020 11:28

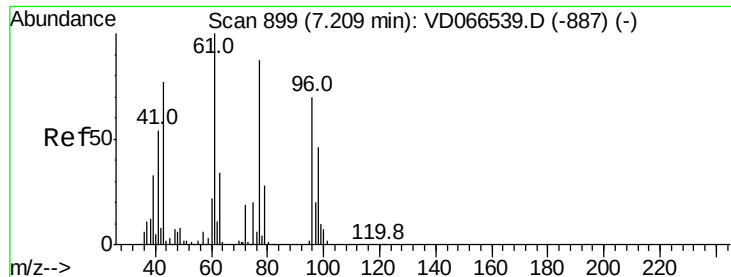
Tgt Ion: 77 Resp: 343639

Ion Ratio Lower Upper

77 100

97 21.4 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 44.262 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

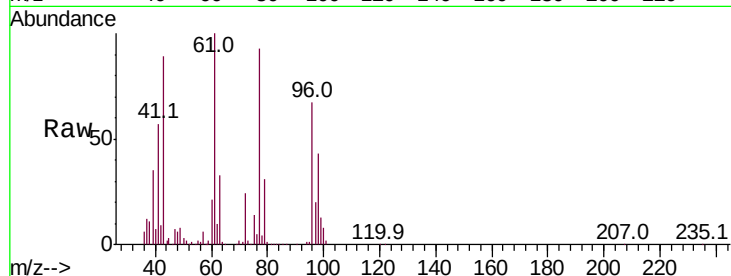
Tot Ion: 96 Resp: 219839

Ion Ratio Lower Upper

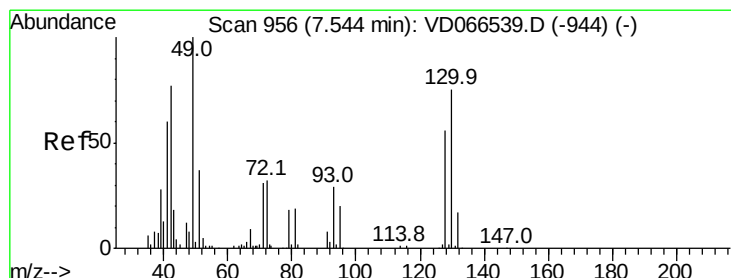
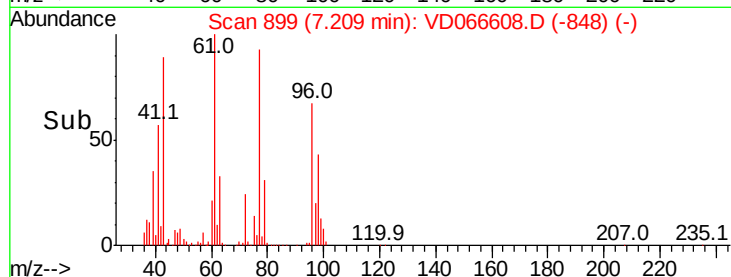
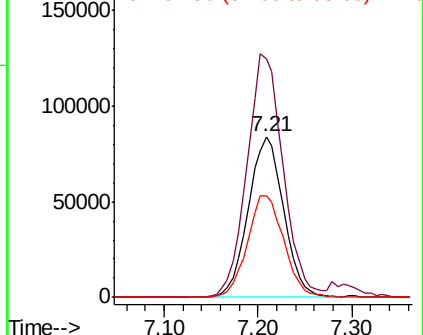
96 100

61 153.9 0.0 301.0

98 65.1 0.0 129.8



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



#28

Bromochloromethane

Concen: 51.464 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

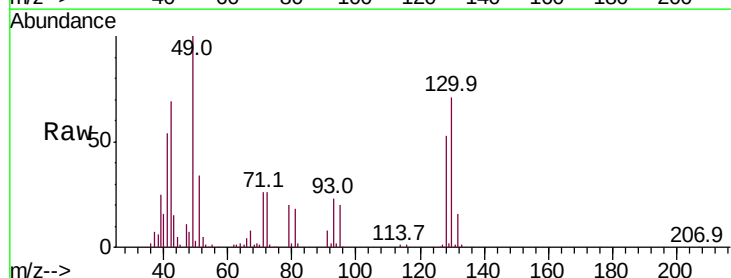
Tgt Ion: 49 Resp: 163326

Ion Ratio Lower Upper

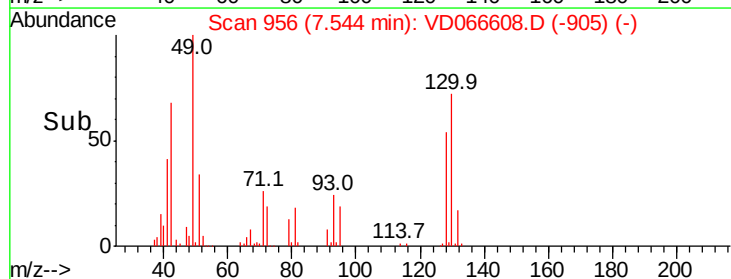
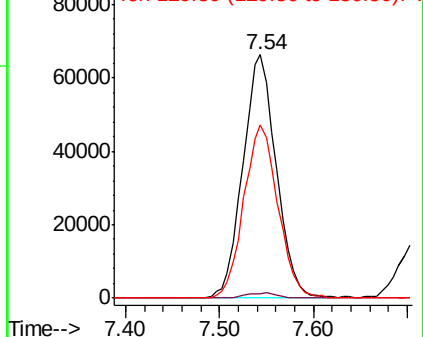
49 100

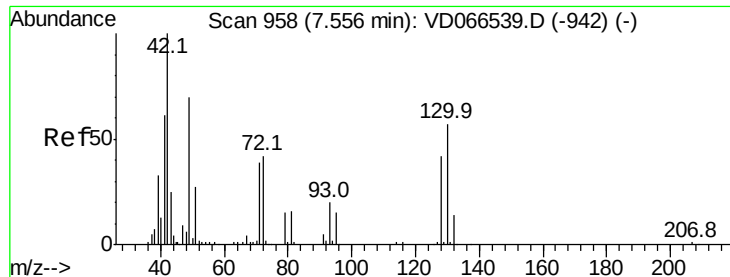
129 2.1 0.0 2.6

130 72.4 58.2 87.2



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





#29

Tetrahydrofuran

Concen: 238.109 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

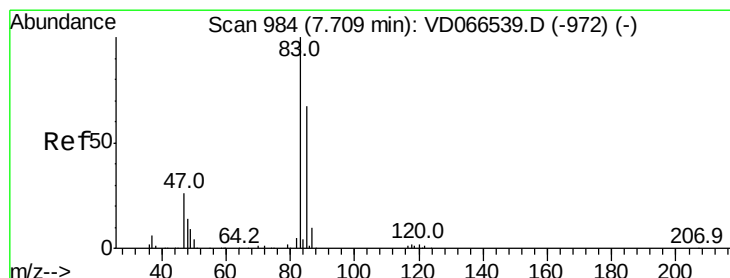
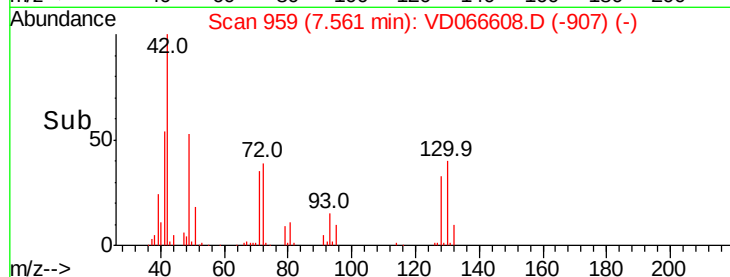
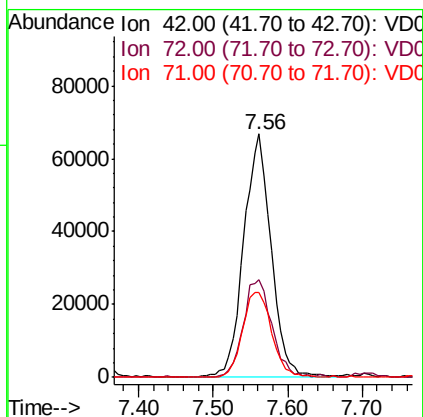
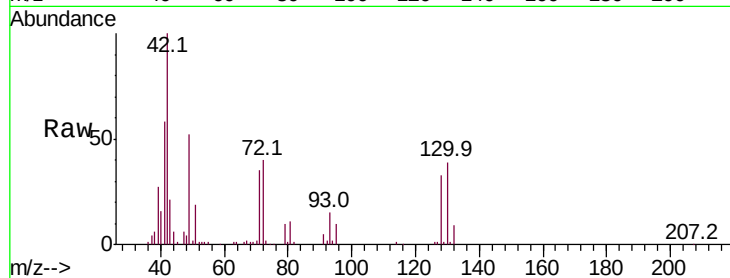
Tot Ion: 42 Resp: 171079

Ion Ratio Lower Upper

42 100

72 41.6 33.4 50.0

71 37.3 31.9 47.9



#30

Chloroform

Concen: 43.906 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD066608.D

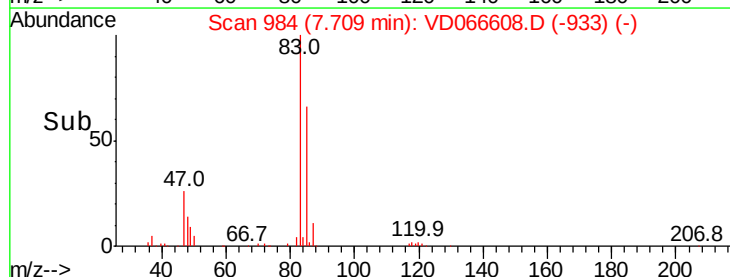
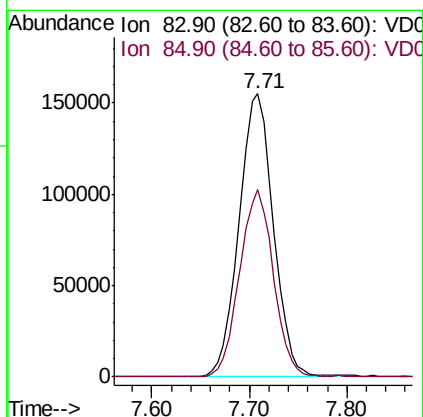
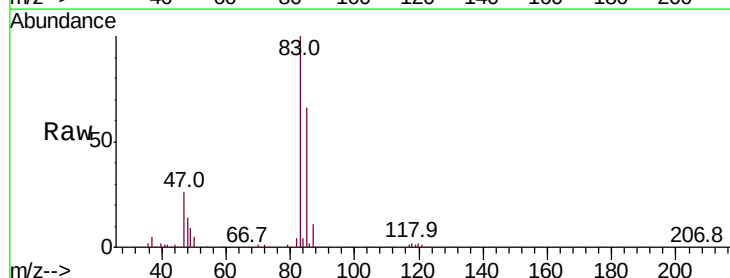
Acq: 10 Sep 2020 11:28

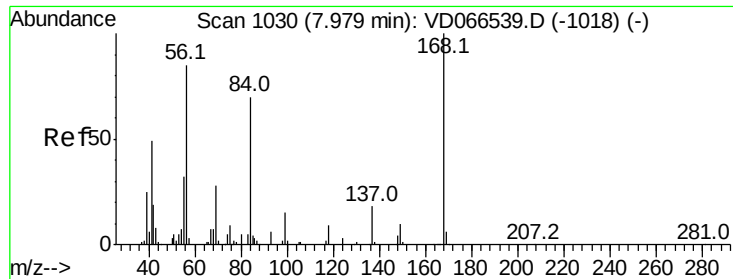
Tgt Ion: 83 Resp: 382898

Ion Ratio Lower Upper

83 100

85 66.0 53.6 80.4

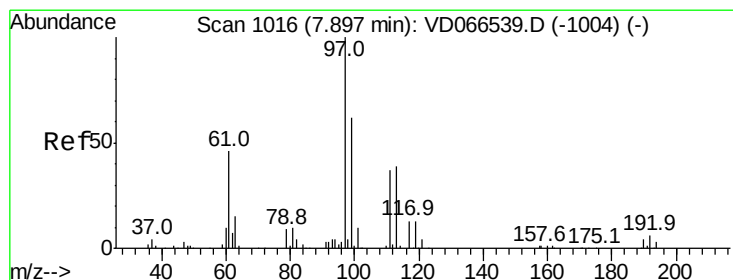
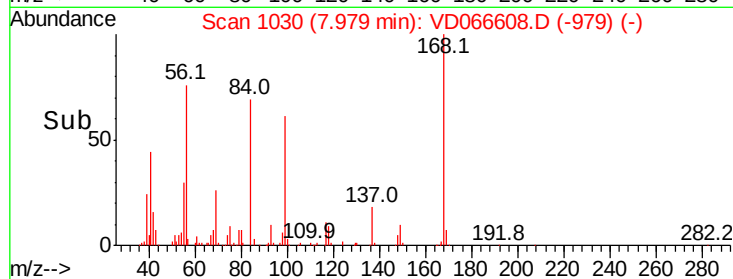
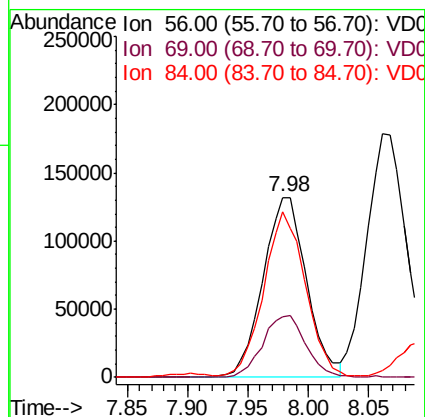
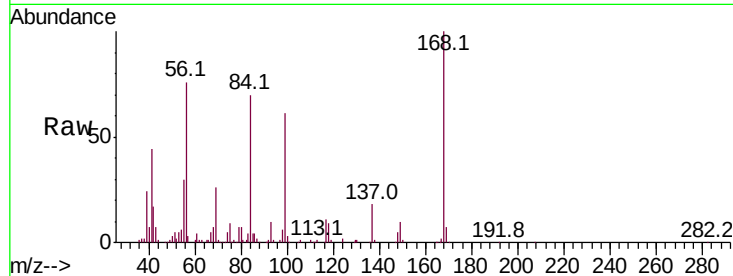




#31
Cyclohexane
Concen: 43.464 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

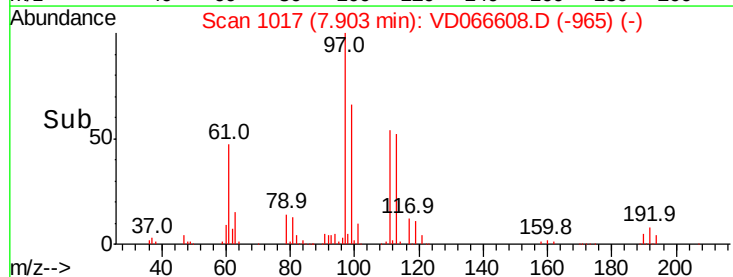
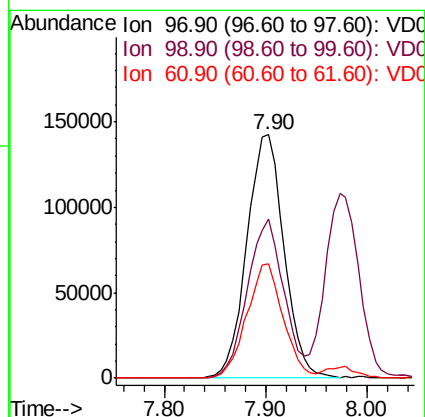
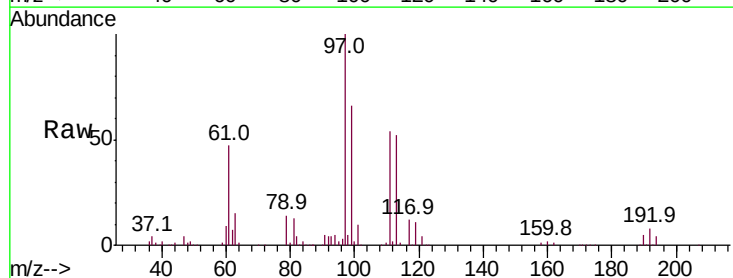
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

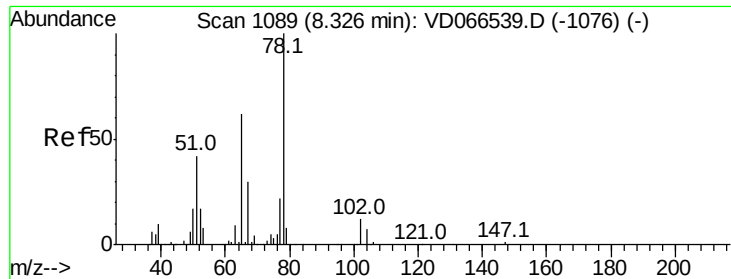
Tot Ion: 56 Resp: 331191
Ion Ratio Lower Upper
56 100
69 33.8 26.3 39.5
84 89.9 66.1 99.1



#32
1,1,1-Trichloroethane
Concen: 44.199 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion: 97 Resp: 362394
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 46.1 37.4 56.0





#33

1,2-Dichloroethane-d4

Concen: 50.012 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

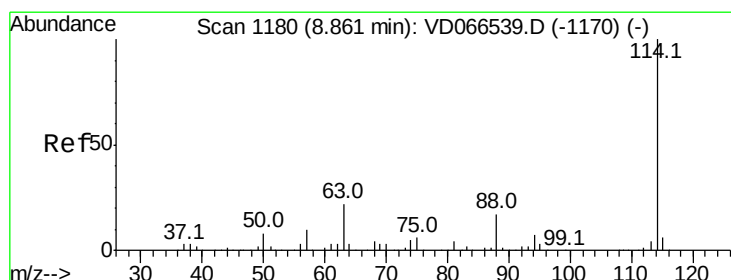
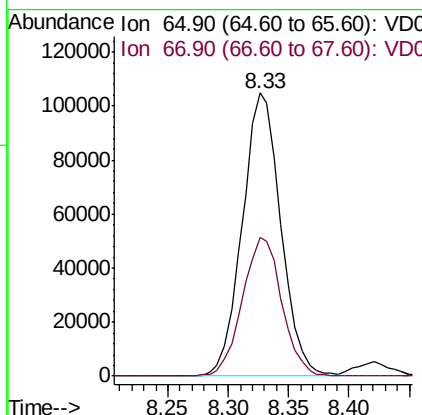
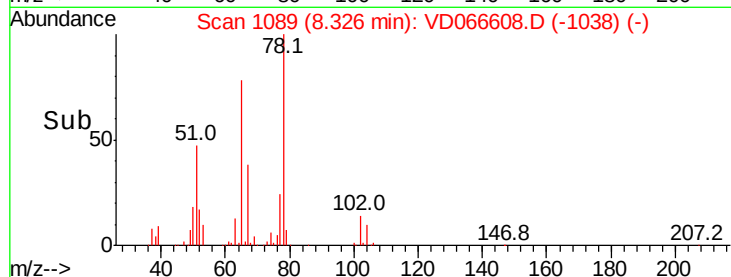
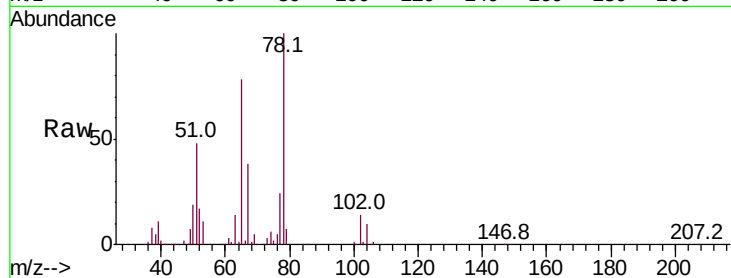
Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 65 Resp: 233596

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

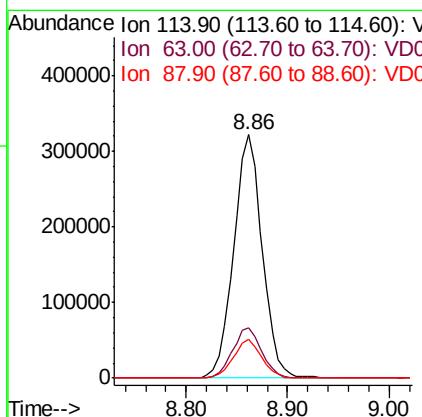
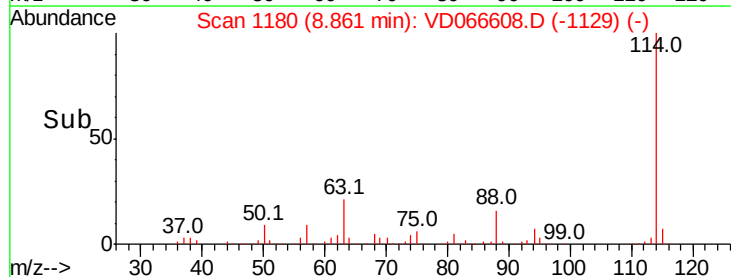
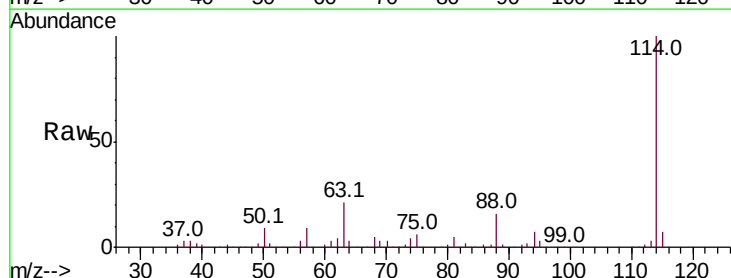
Delta R.T. -0.00 min

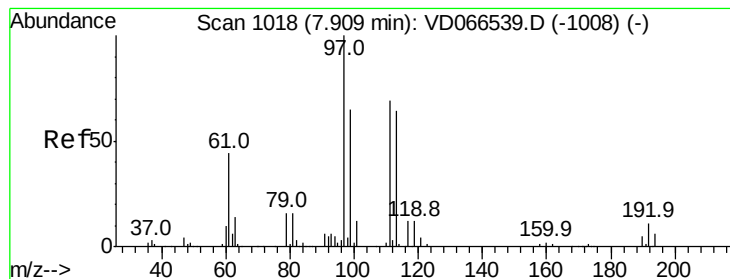
Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Tgt Ion: 114 Resp: 627256

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	15.9	0.0	33.2





#35

Dibromofluoromethane

Concen: 51.390 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

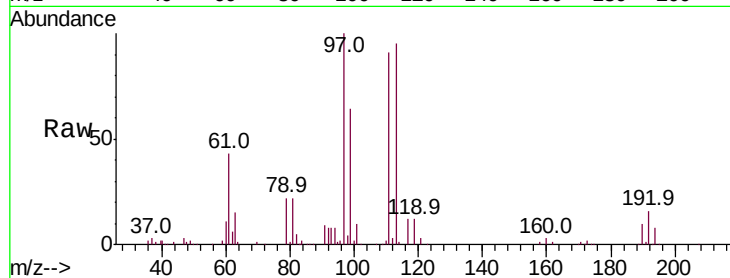
Tot Ion:113 Resp: 217456

Ion Ratio Lower Upper

113 100

111 101.0 83.2 124.8

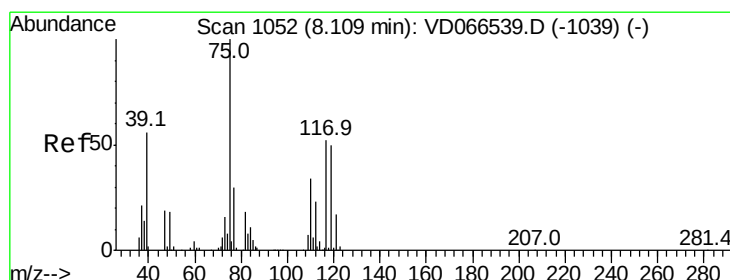
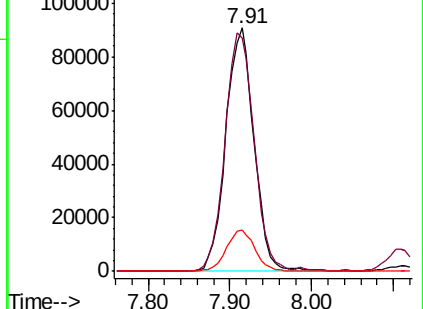
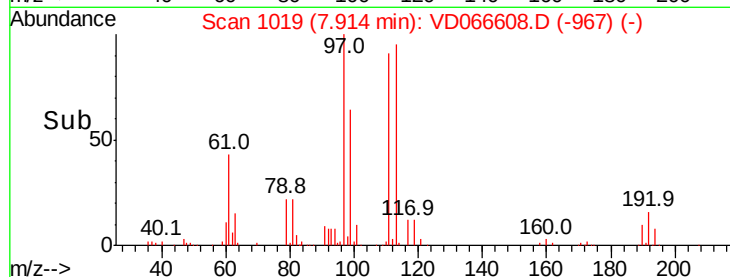
192 17.2 13.7 20.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.485 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

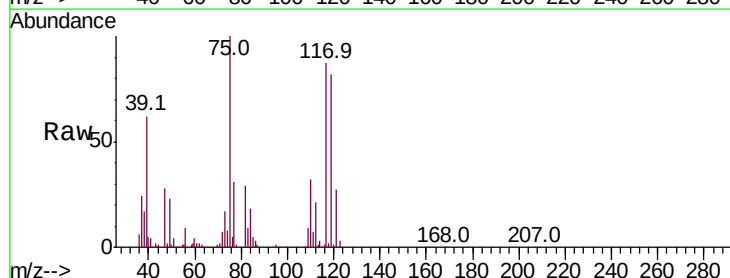
Tgt Ion: 75 Resp: 296921

Ion Ratio Lower Upper

75 100

110 34.6 17.3 52.0

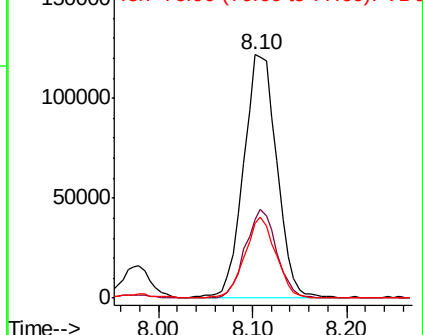
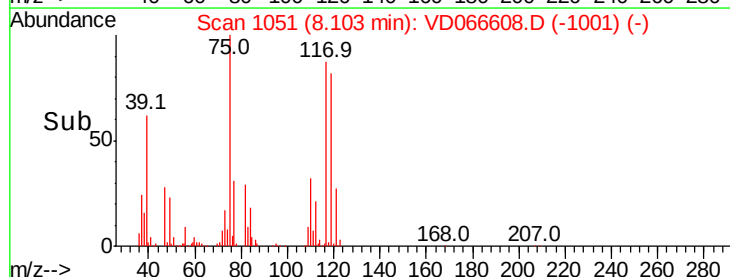
77 31.5 25.1 37.7

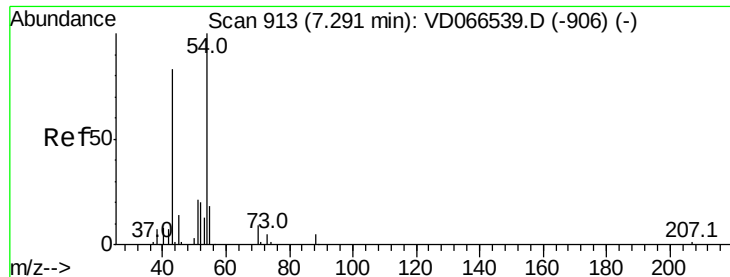


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 47.151 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

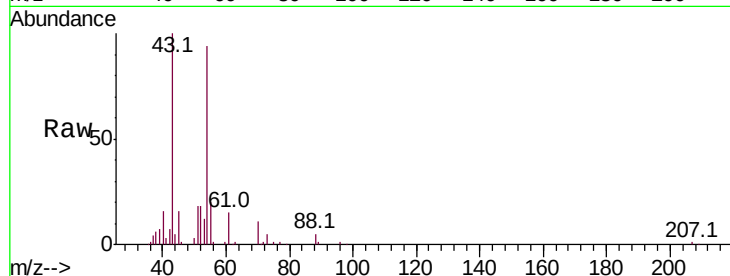
Tot Ion: 43 Resp: 122564

Ion Ratio Lower Upper

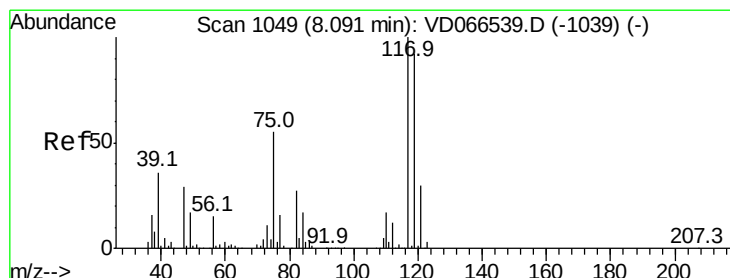
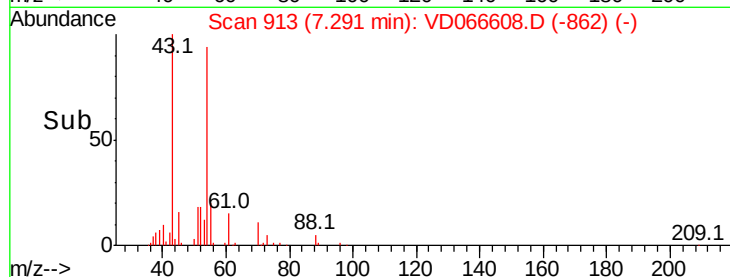
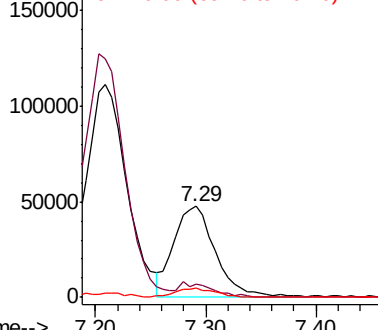
43 100

61 13.9 11.8 17.8

70 10.1 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 46.945 ug/l

RT: 8.09 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

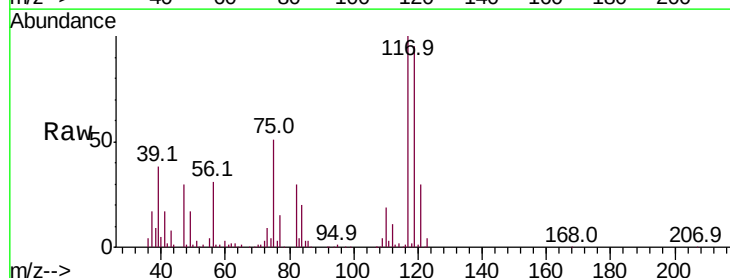
Tgt Ion: 117 Resp: 323916

Ion Ratio Lower Upper

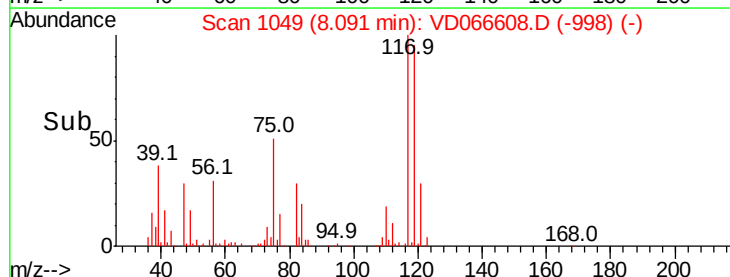
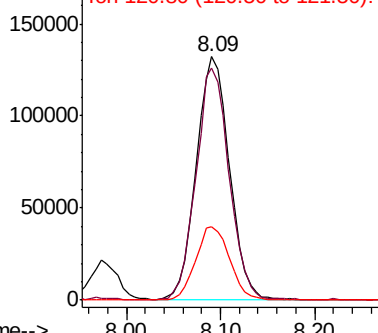
117 100

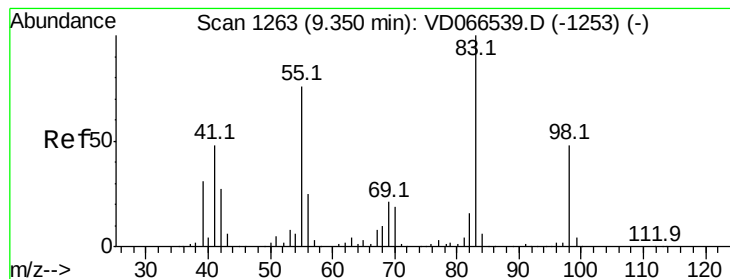
119 95.1 73.9 110.9

121 30.4 24.1 36.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methylvlcyclohexane

Concen: 48.221 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

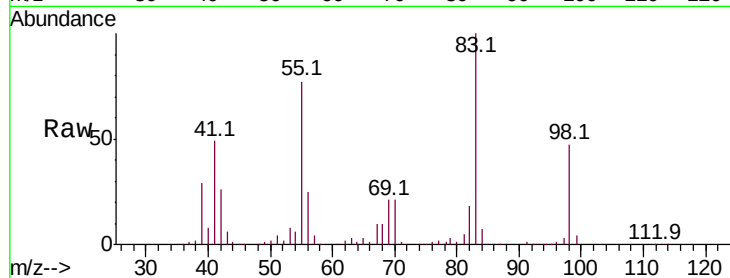
Tot Ion: 83 Resp: 351496

Ion Ratio Lower Upper

83 100

55 77.2 60.8 91.2

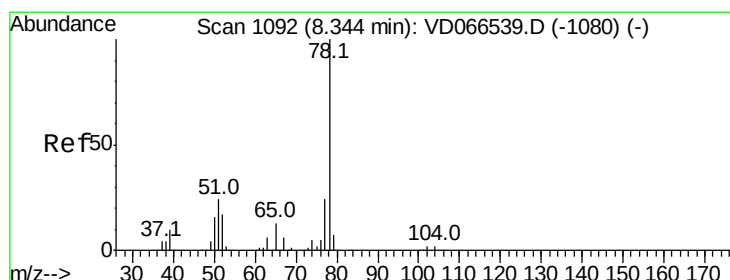
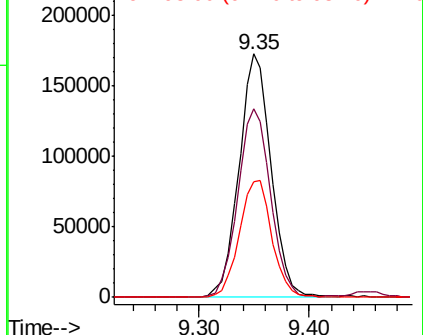
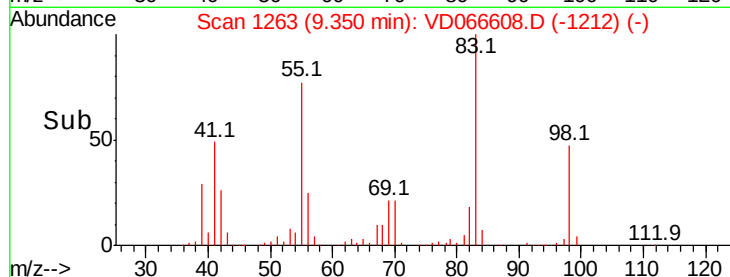
98 47.4 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 44.202 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD066608.D

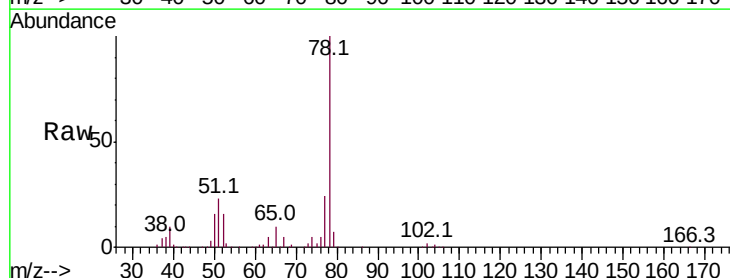
Acq: 10 Sep 2020 11:28

Tgt Ion: 78 Resp: 790256

Ion Ratio Lower Upper

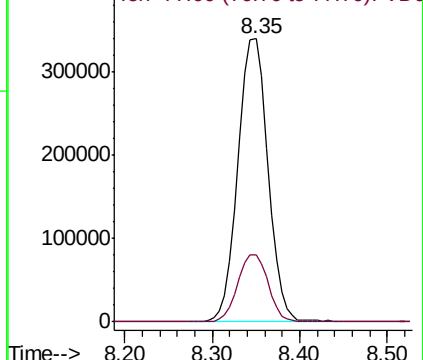
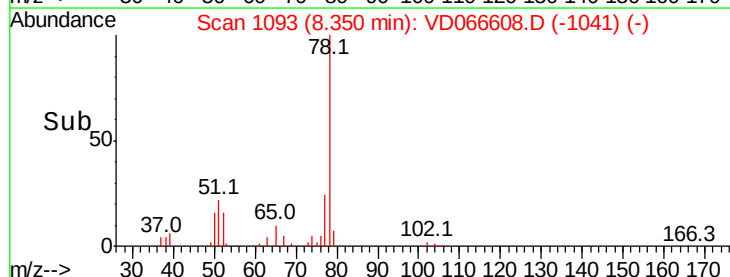
78 100

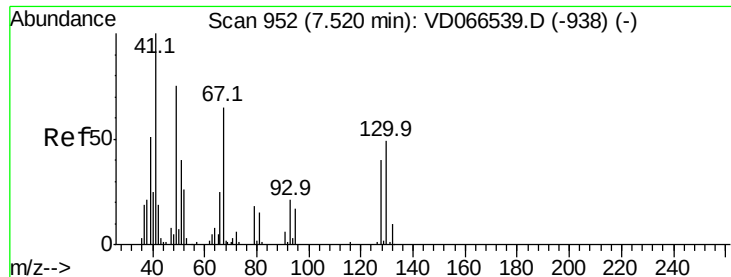
77 23.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

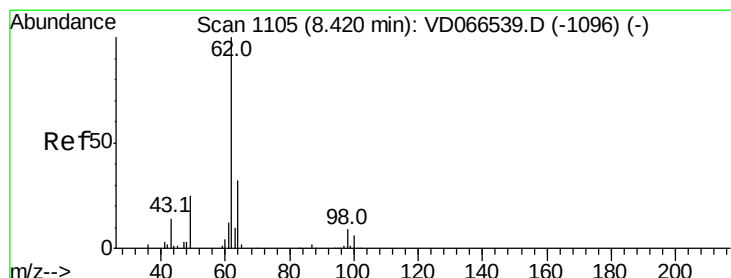
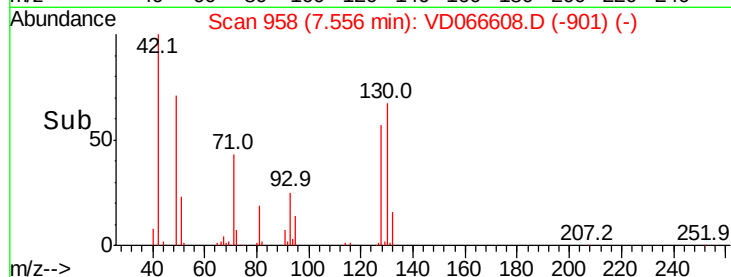
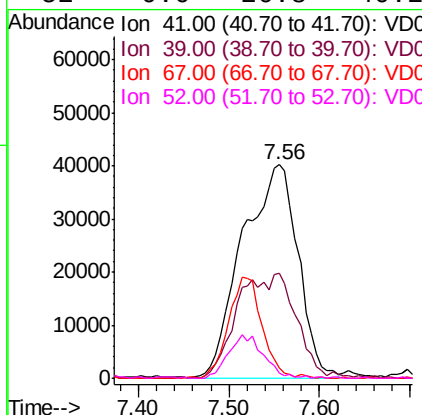
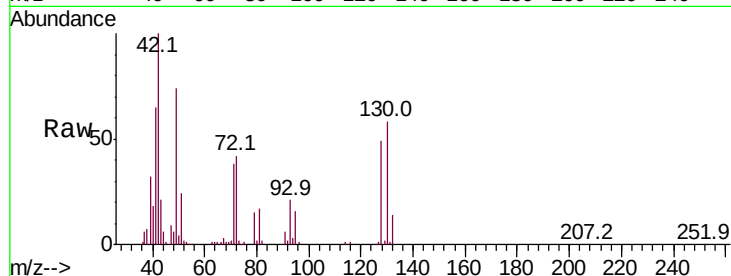




#41
Methacrylonitrile
Concen: 136.523 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.04 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

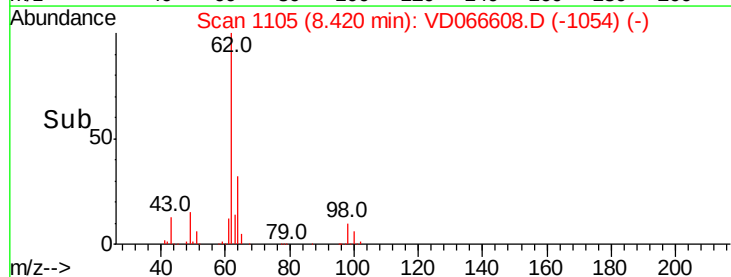
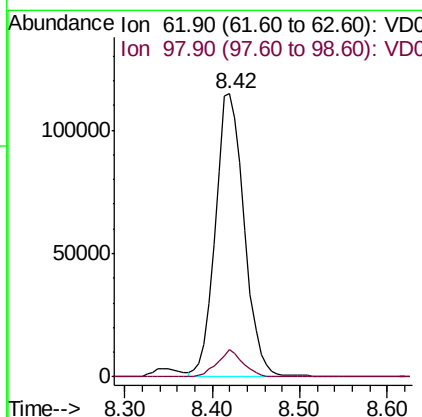
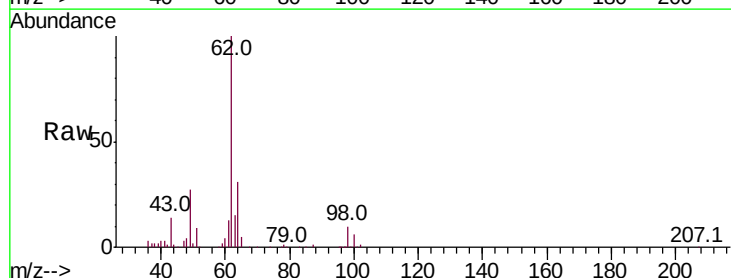
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

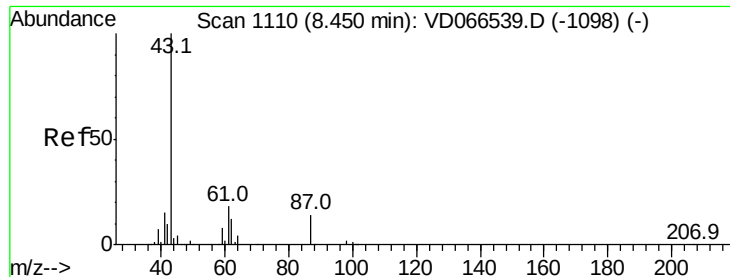
Tot Ion: 41 Resp: 171779
Ion Ratio Lower Upper
41 100
39 0.0 53.6 80.4#
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#



#42
1,2-Dichloroethane
Concen: 45.267 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion: 62 Resp: 262217
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.6





#43

Isopropyl Acetate

Concen: 47.778 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

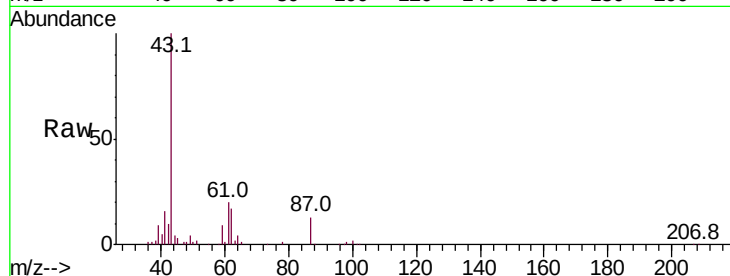
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 237998

Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.8	35.8
87	12.8	10.7	16.1

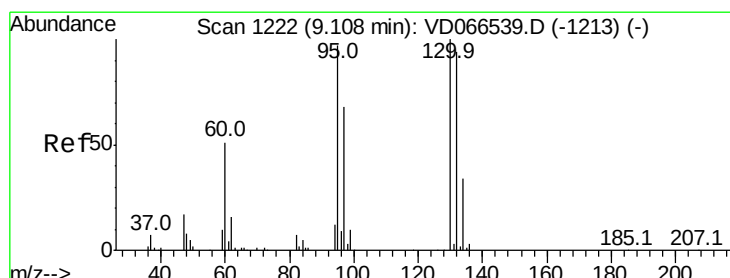
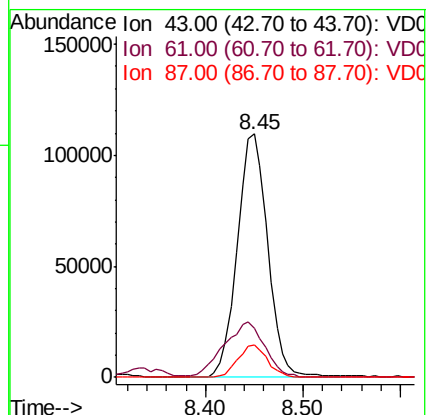
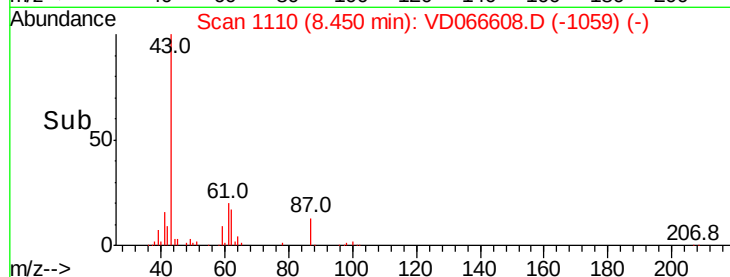


Abundance

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: 44.788 ug/l

RT: 9.11 min Scan# 1222

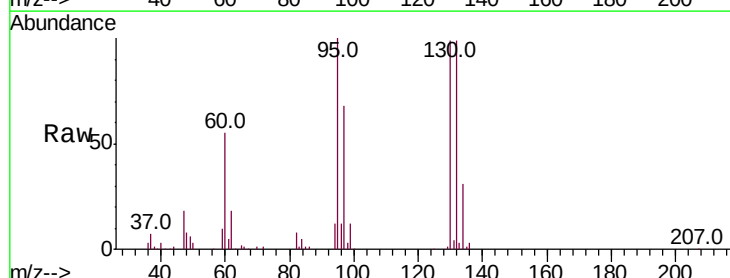
Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Tgt Ion: 130 Resp: 210042

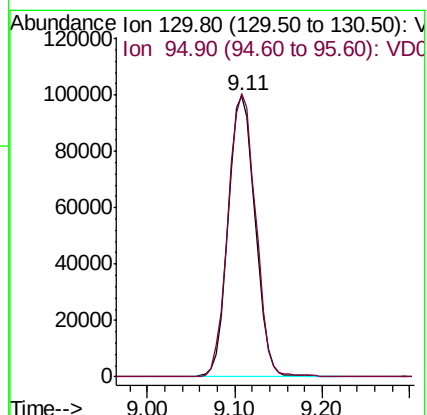
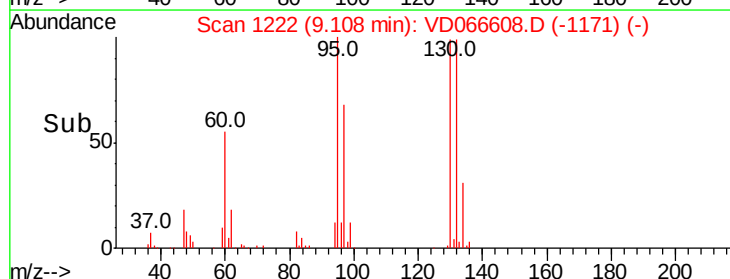
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	194.4

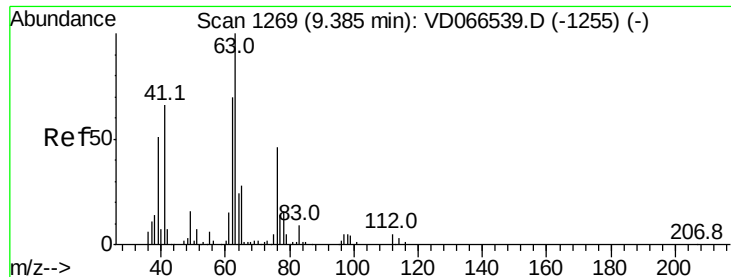


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 44.374 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

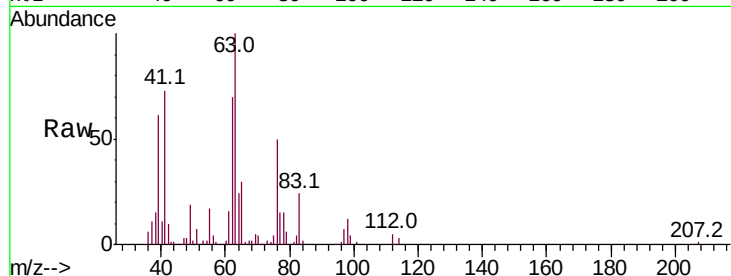
VSTDCCC050

Tot Ion: 63 Resp: 199506

Ion Ratio Lower Upper

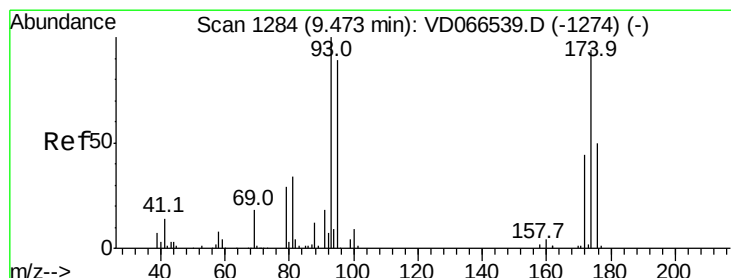
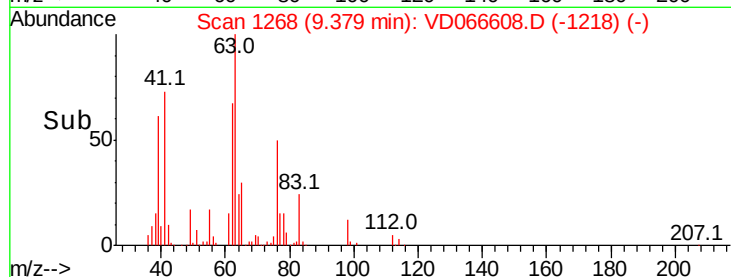
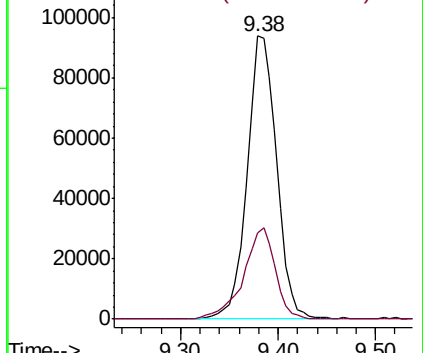
63 100

65 30.4 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 45.010 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

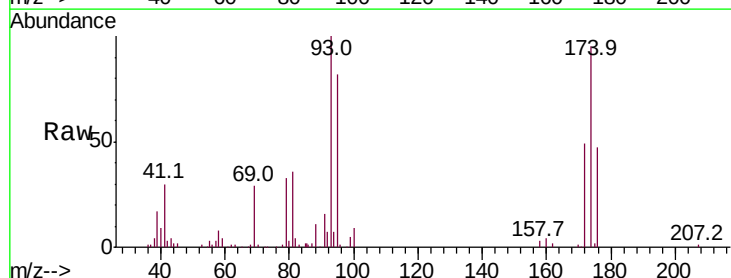
Tgt Ion: 93 Resp: 111649

Ion Ratio Lower Upper

93 100

95 80.7 68.7 103.1

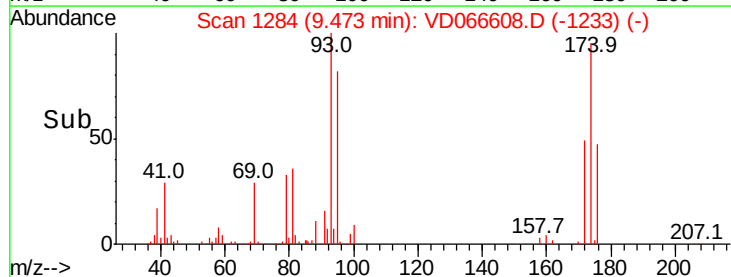
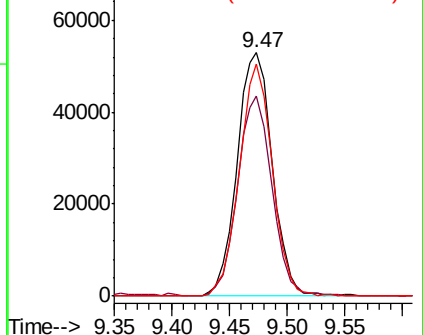
174 89.9 70.0 105.0

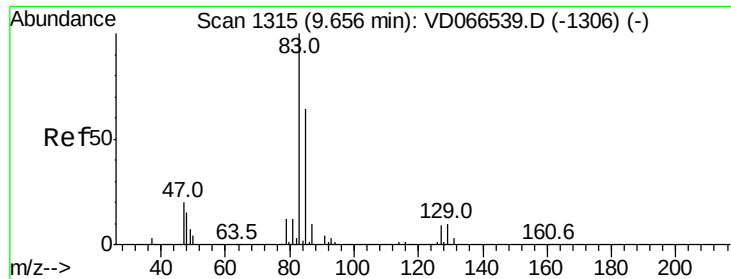


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

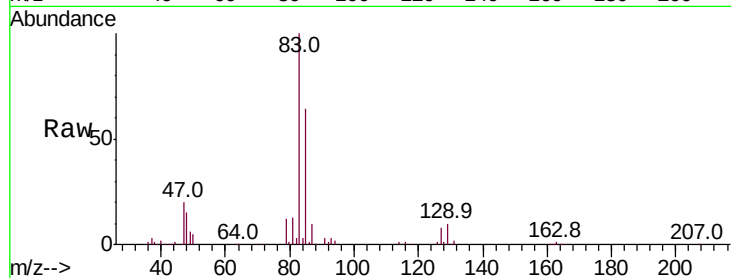




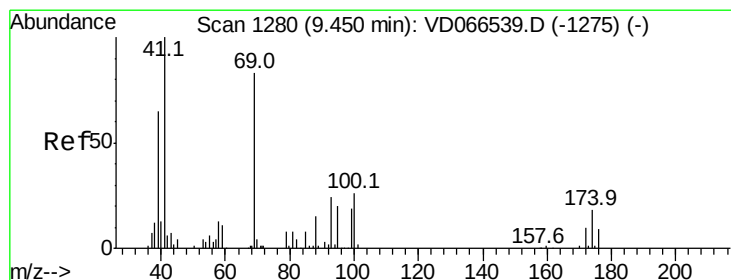
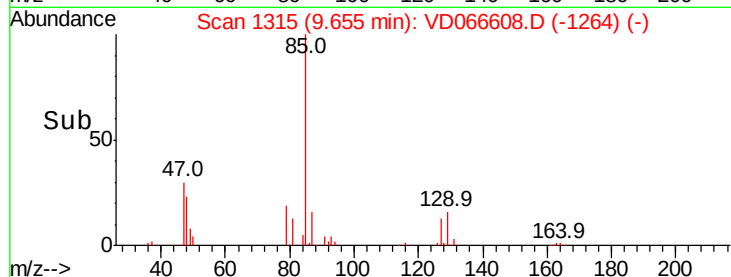
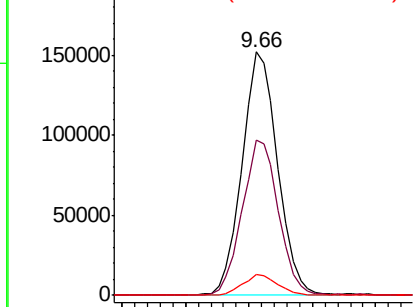
#47
Bromodichloromethane
Concen: 44.274 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 297129
Ion Ratio Lower Upper
83 100
85 63.7 51.1 76.7
127 8.4 6.9 10.3

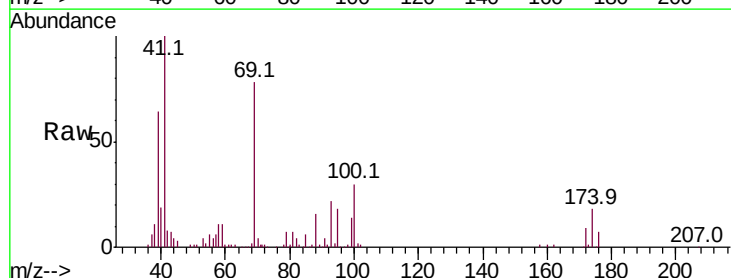


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

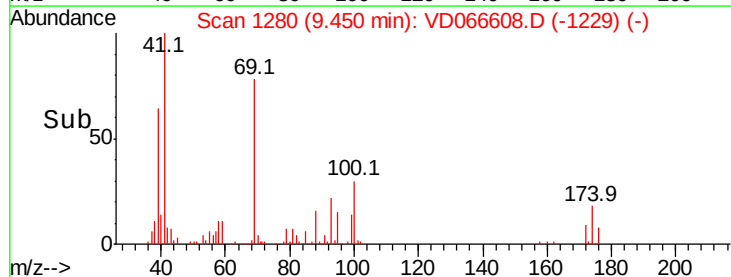
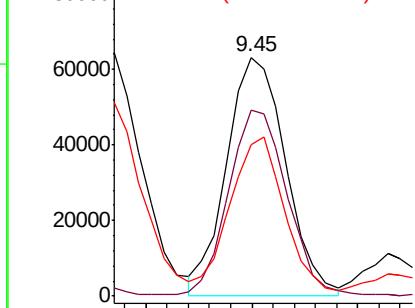


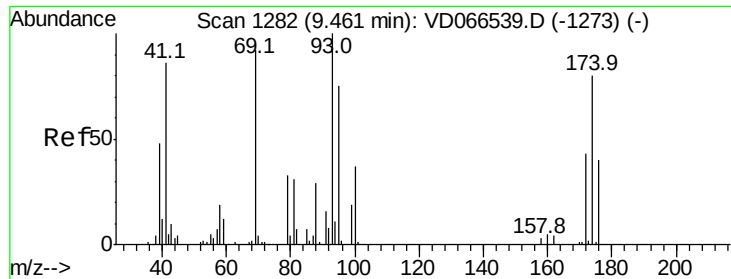
#48
Methyl methacrylate
Concen: 48.493 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion: 41 Resp: 122148
Ion Ratio Lower Upper
41 100
69 77.1 64.5 96.7
39 57.8 46.6 69.8



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: 950.675 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

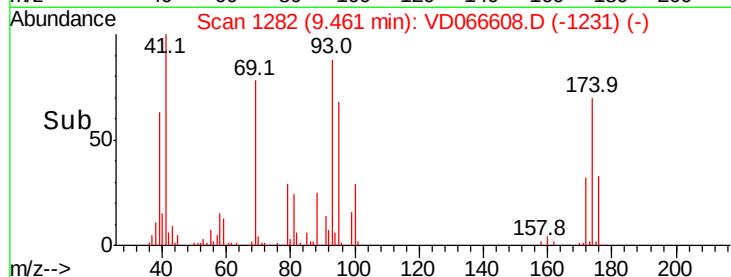
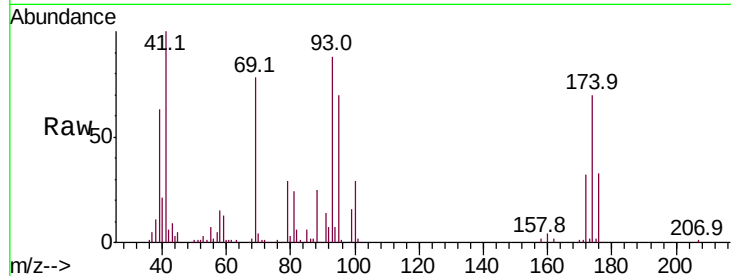
Tot Ion: 88 Resp: 25871

Ion Ratio Lower Upper

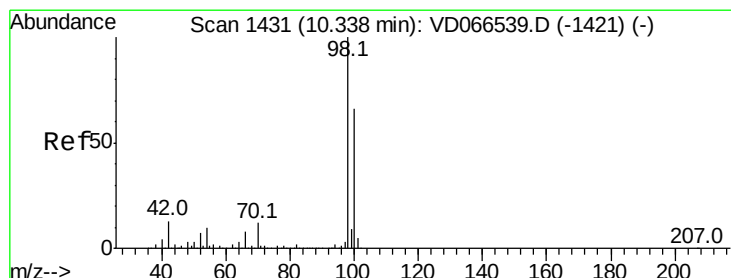
88 100

43 34.5 28.3 42.5

58 73.9 56.1 84.1



Time-->



#50

Toluene-d8

Concen: 52.754 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066608.D

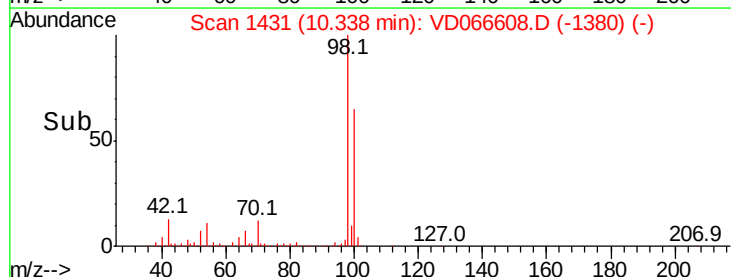
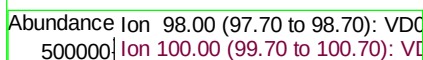
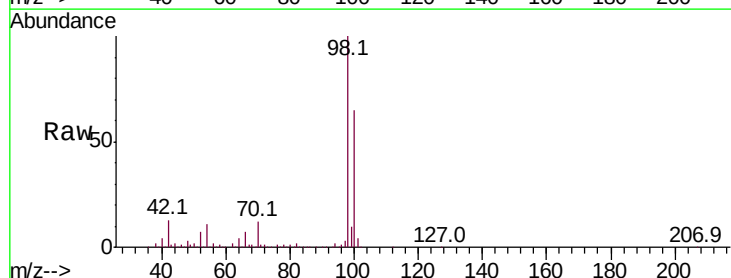
Acq: 10 Sep 2020 11:28

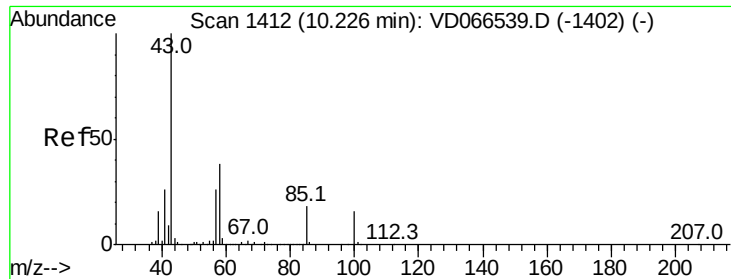
Tgt Ion: 98 Resp: 797850

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3

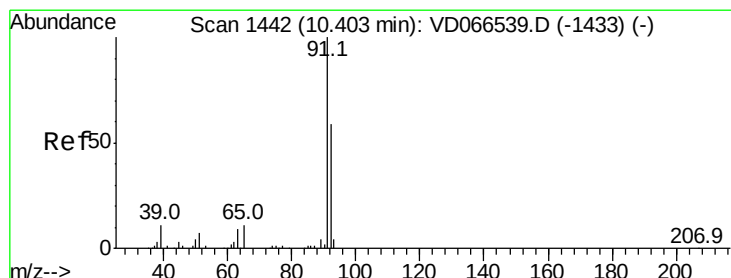
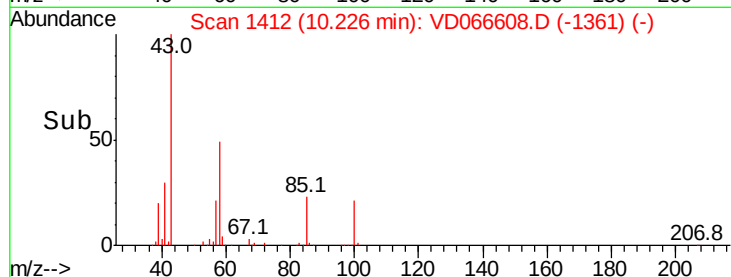
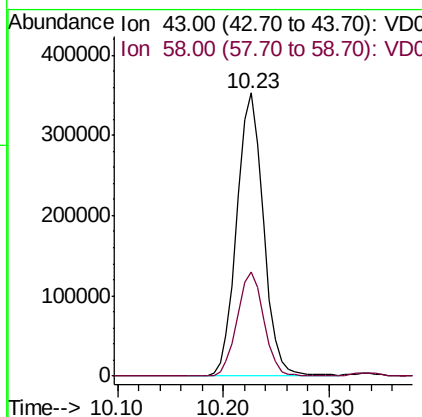
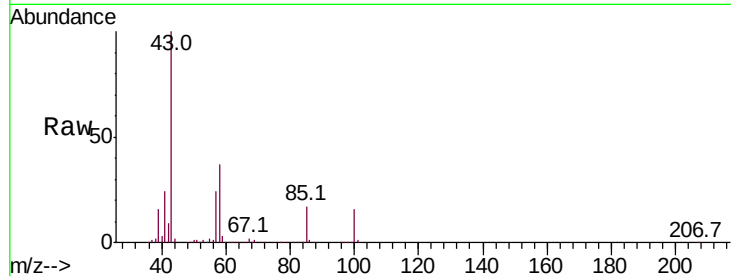




#51
4-Methyl-2-Pentanone
Concen: 245.647 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

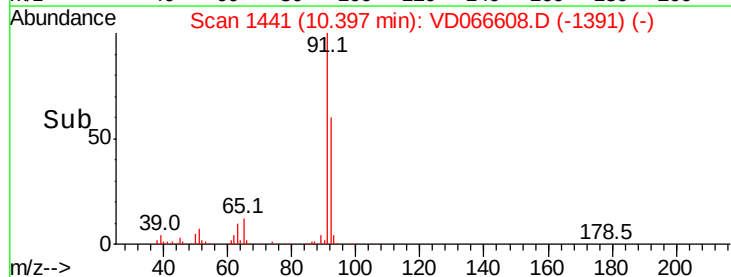
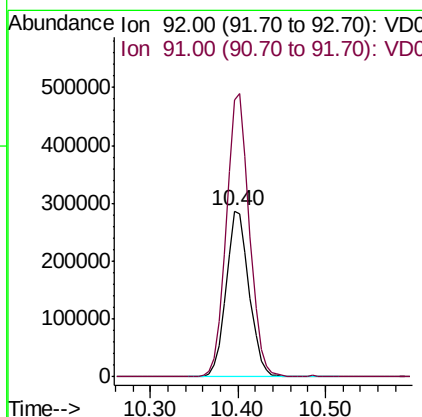
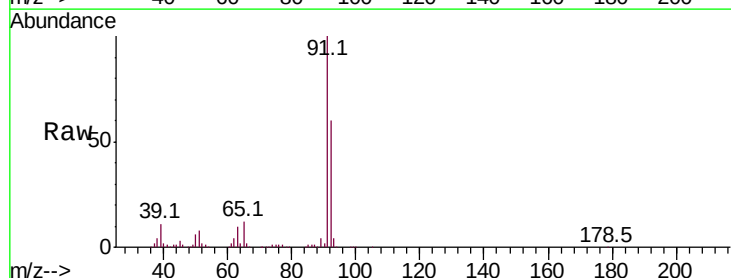
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

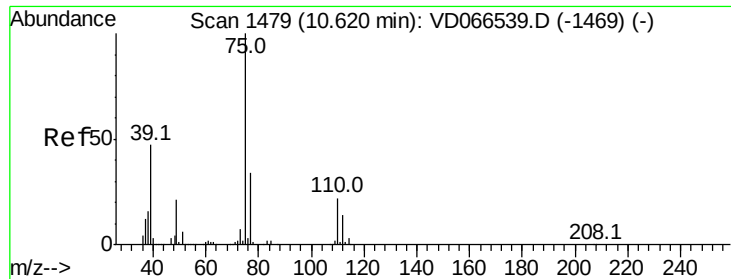
Tot Ion: 43 Resp: 617126
Ion Ratio Lower Upper
43 100
58 36.9 30.5 45.7



#52
Toluene
Concen: 45.775 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion: 92 Resp: 518035
Ion Ratio Lower Upper
92 100
91 170.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 47.311 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

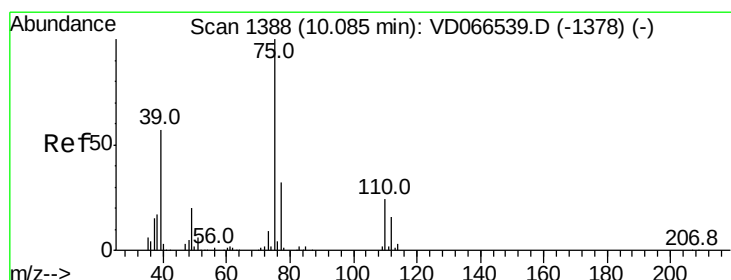
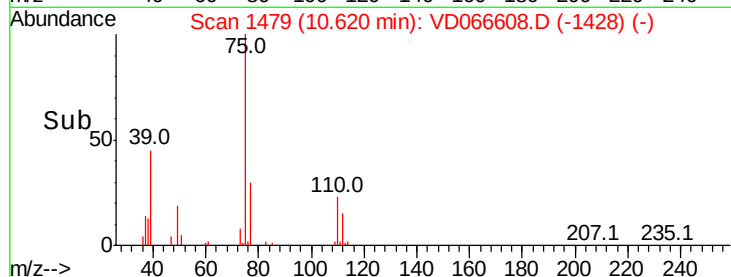
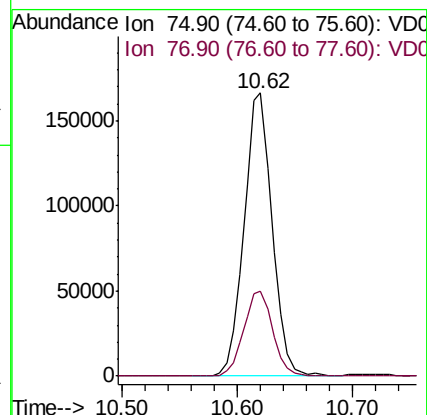
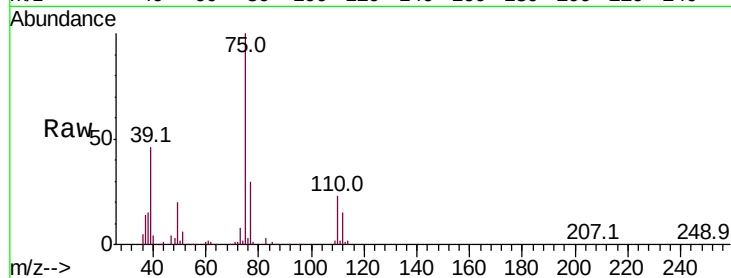
VSTDCCC050

Tot Ion: 75 Resp: 280287

Ion Ratio Lower Upper

75 100

77 30.2 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 46.008 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

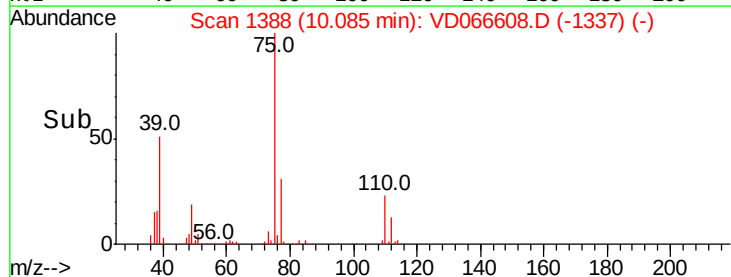
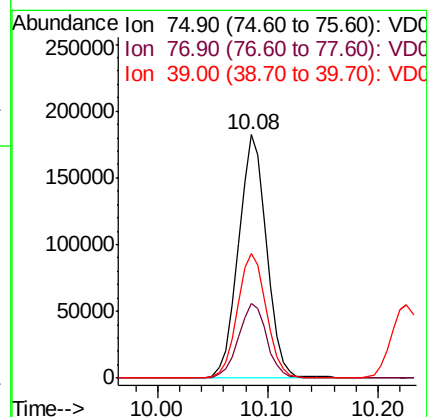
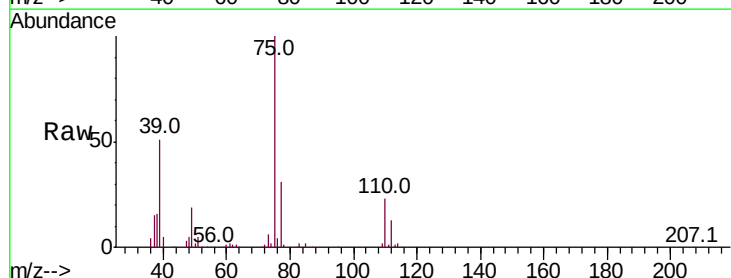
Tgt Ion: 75 Resp: 327325

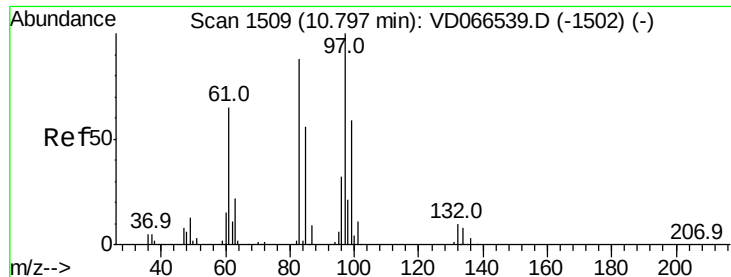
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 51.0 45.4 68.0

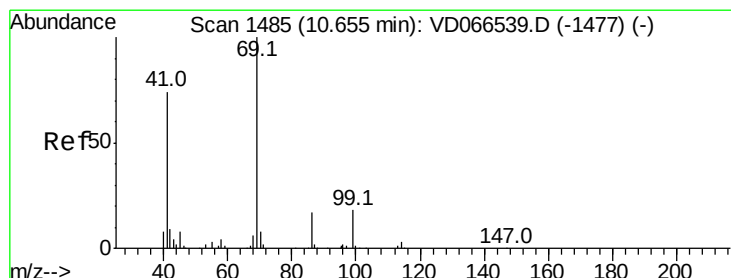
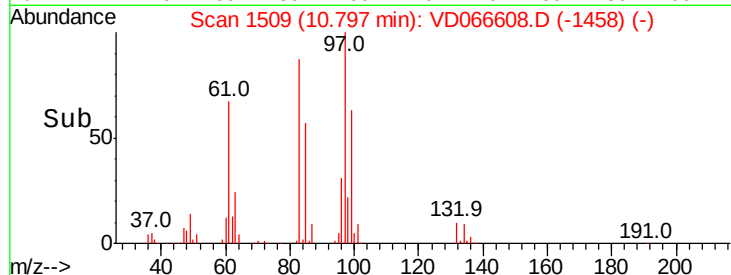
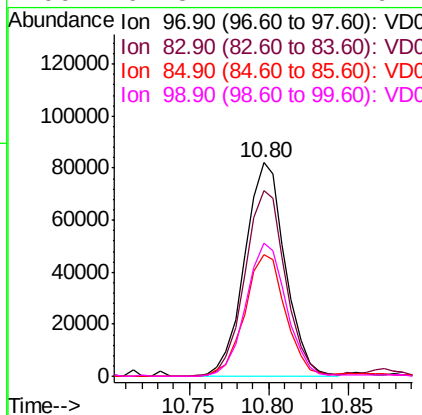
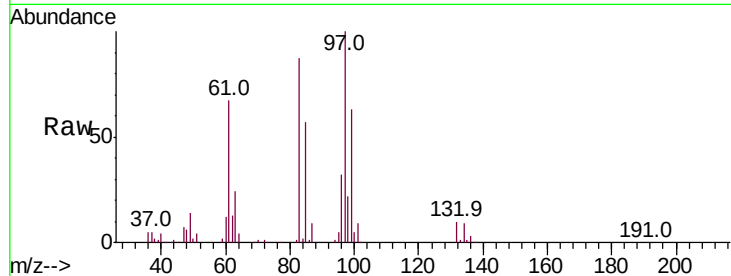




#55
 1,1,2-Trichloroethane
 Concen: 45.658 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066608.D
 Acq: 10 Sep 2020 11:28

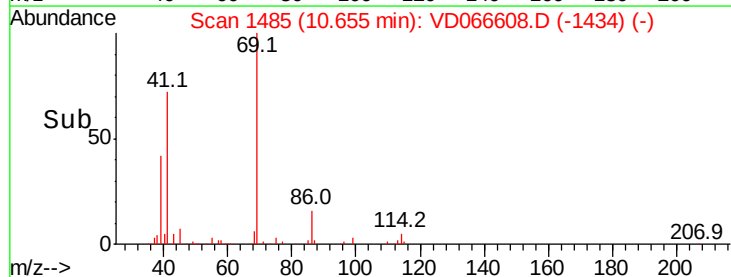
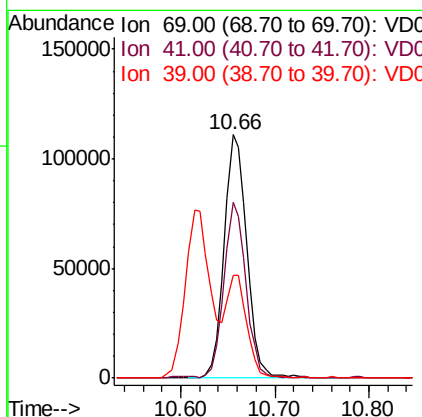
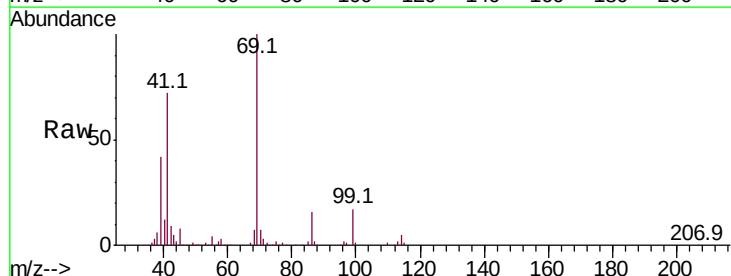
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

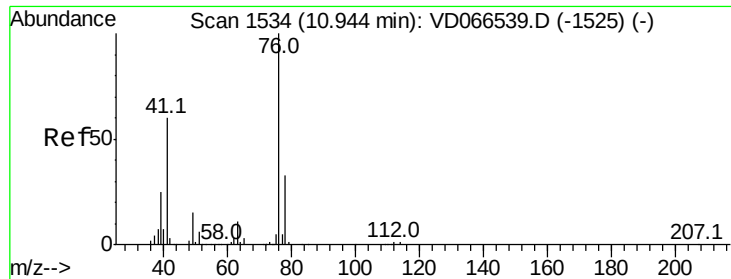
Tot Ion: 97 Resp: 145620
 Ion Ratio Lower Upper
 97 100
 83 86.6 70.1 105.1
 85 57.0 44.5 66.7
 99 62.3 47.1 70.7



#56
 Ethyl methacrylate
 Concen: 50.164 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066608.D
 Acq: 10 Sep 2020 11:28

Tgt Ion: 69 Resp: 186284
 Ion Ratio Lower Upper
 69 100
 41 69.3 56.8 85.2
 39 36.4 30.6 46.0





#57

1,3-Dichloropropane

Concen: 44.905 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

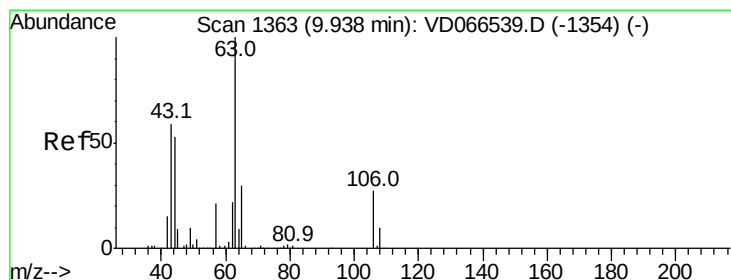
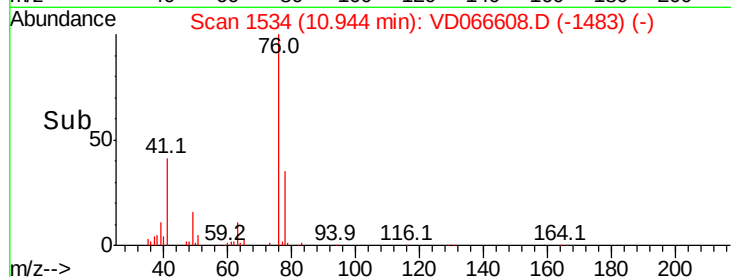
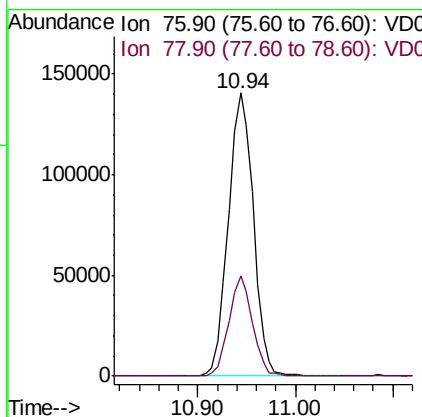
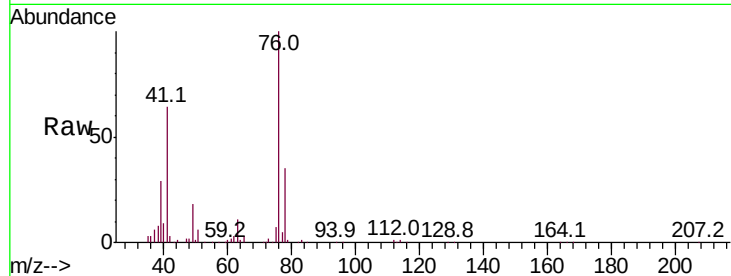
Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 250857

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.8



#58

2-Chloroethyl Vinyl ether

Concen: 256.684 ug/l

RT: 9.94 min Scan# 1363

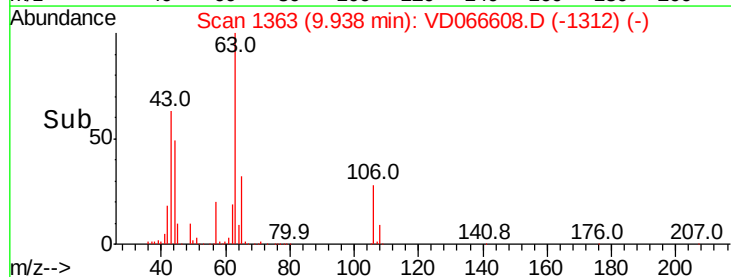
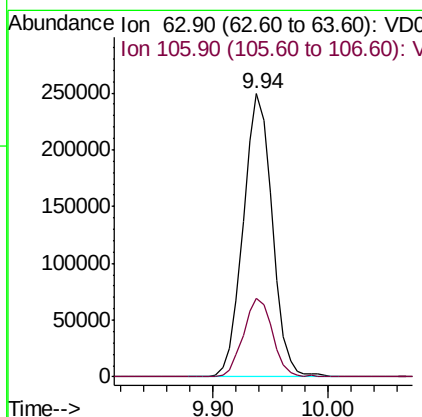
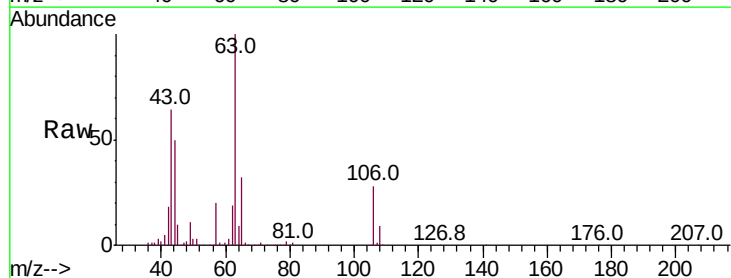
Delta R.T. -0.00 min

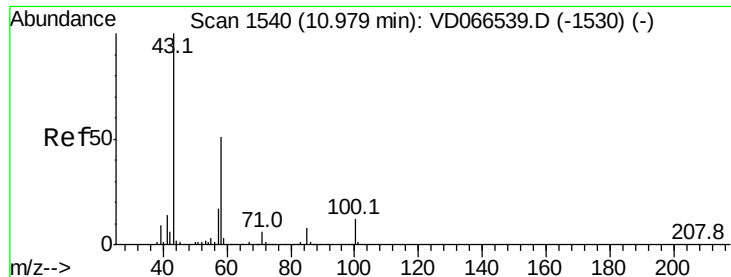
Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Tgt Ion: 63 Resp: 435983

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.0	33.0

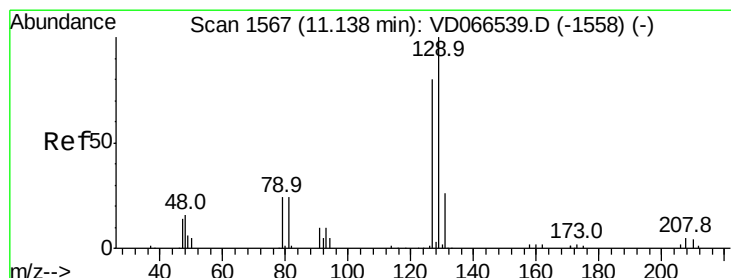
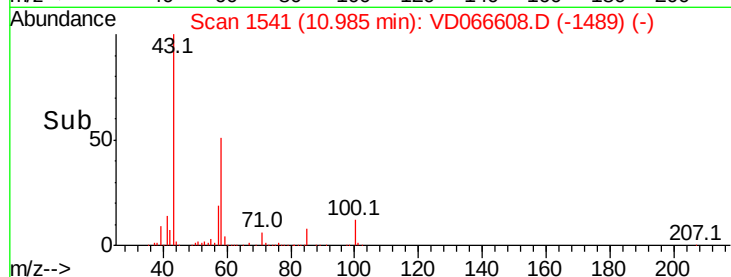
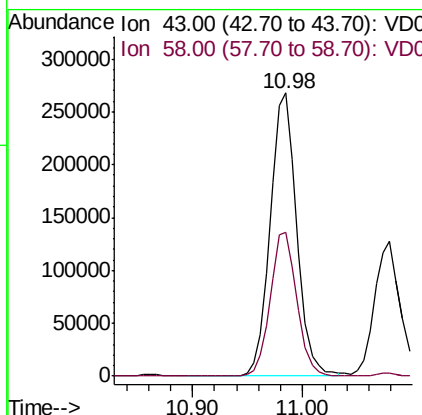
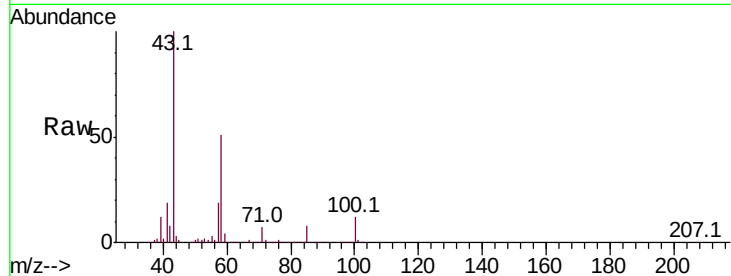




#59
2-Hexanone
Concen: 265.831 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

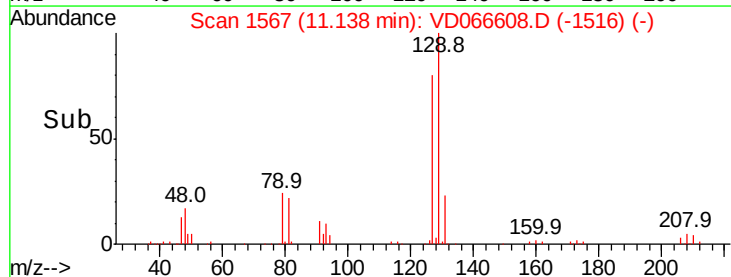
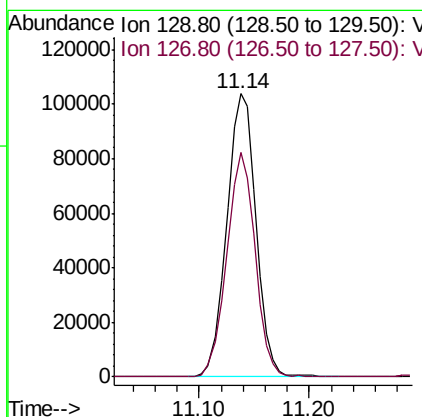
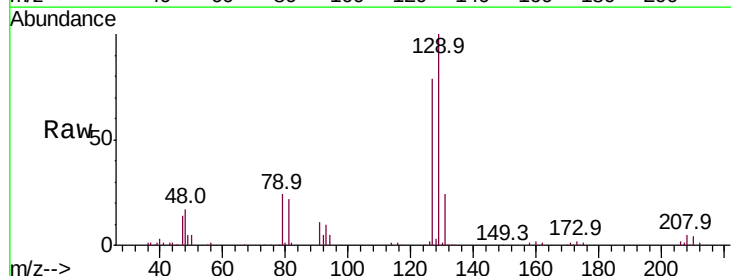
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

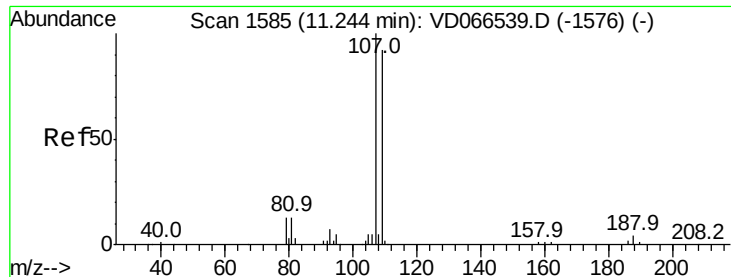
Tot Ion: 43 Resp: 449105
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8



#60
Dibromochloromethane
Concen: 45.598 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion: 129 Resp: 192307
Ion Ratio Lower Upper
129 100
127 77.0 39.5 118.3

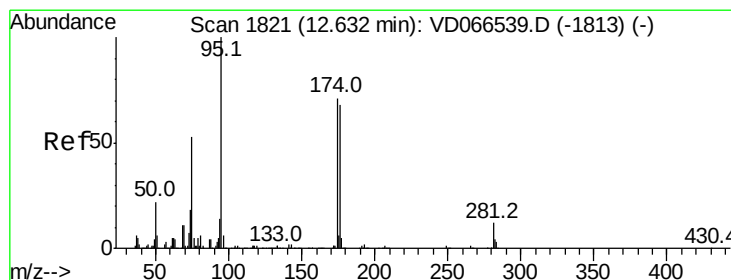
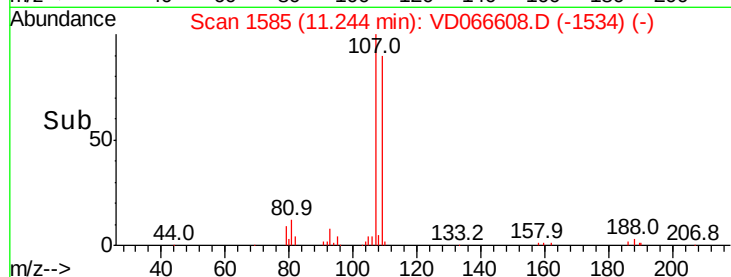
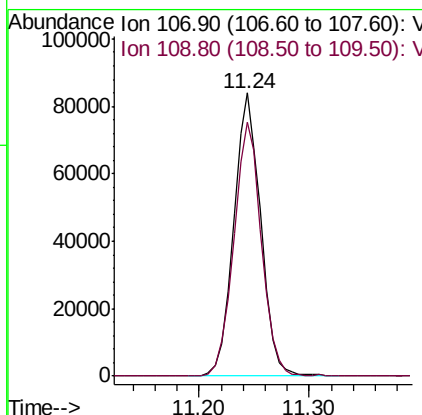
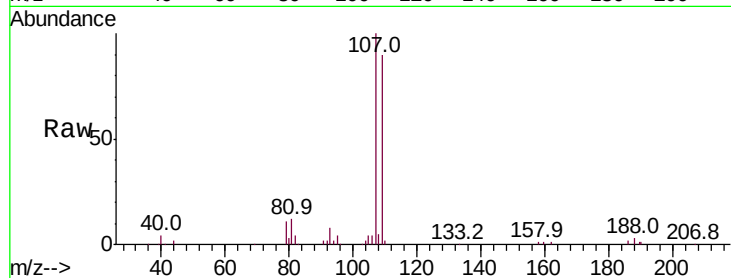




#61
 1,2-Dibromoethane
 Concen: 46.241 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066608.D
 Acq: 10 Sep 2020 11:28

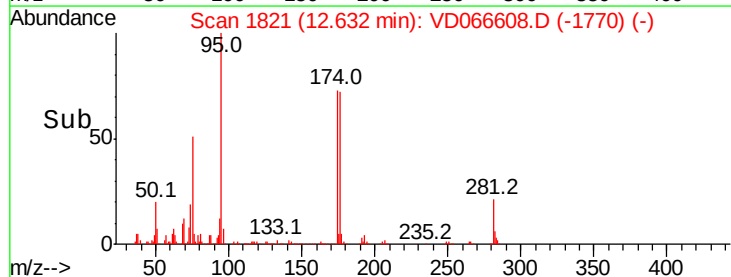
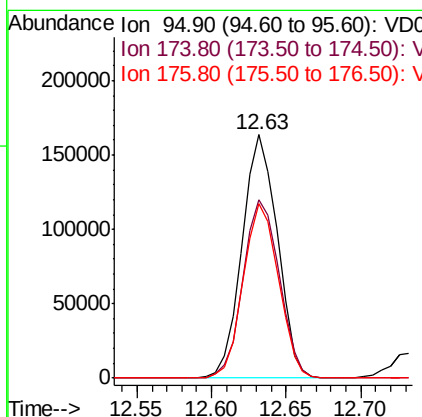
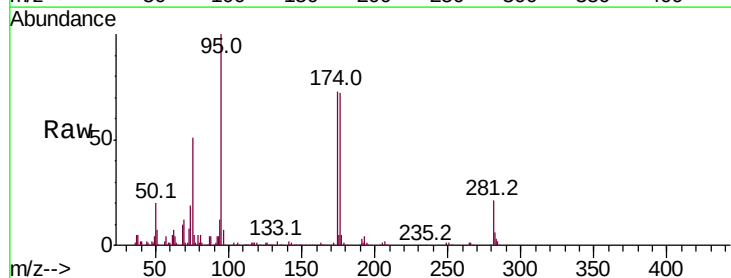
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

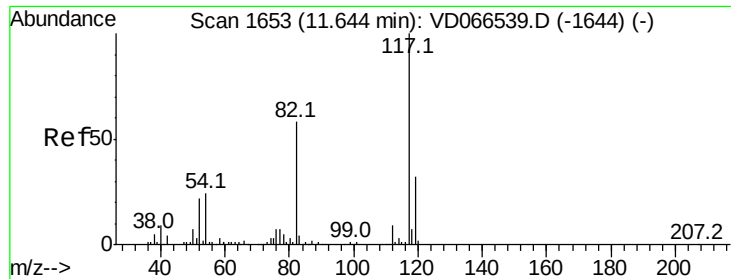
Tot Ion:107 Resp: 143478
 Ion Ratio Lower Upper
 107 100
 109 91.8 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 53.519 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066608.D
 Acq: 10 Sep 2020 11:28

Tgt Ion: 95 Resp: 268399
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 155.8
 176 71.8 0.0 148.6

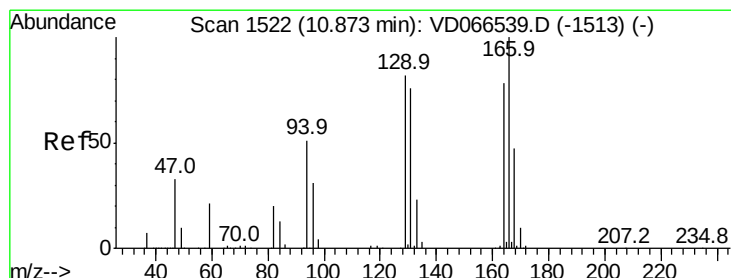
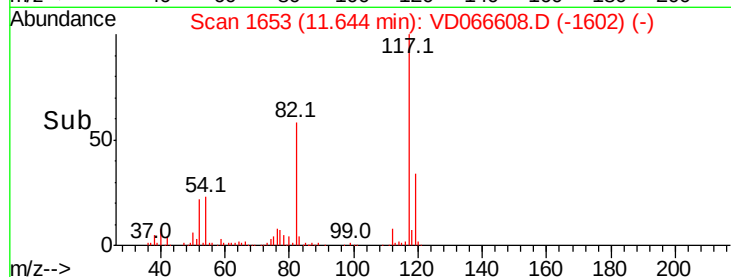
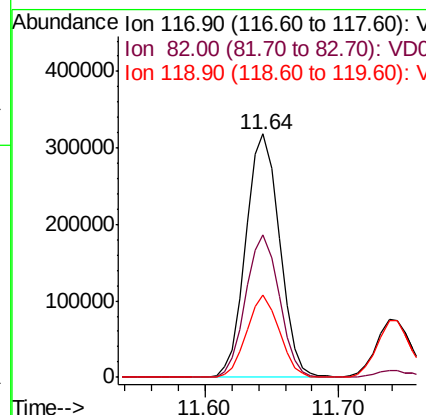
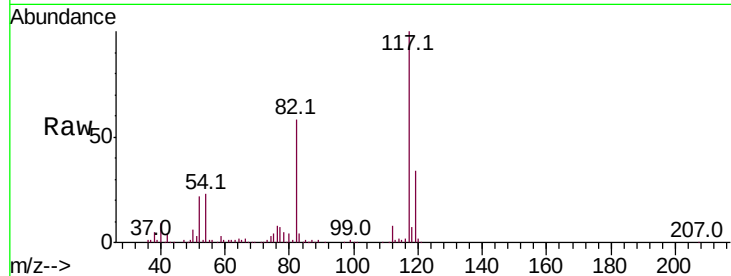




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

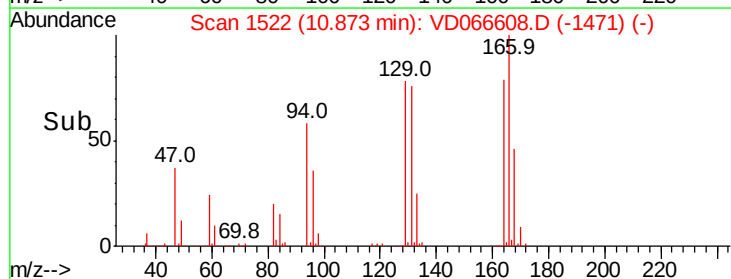
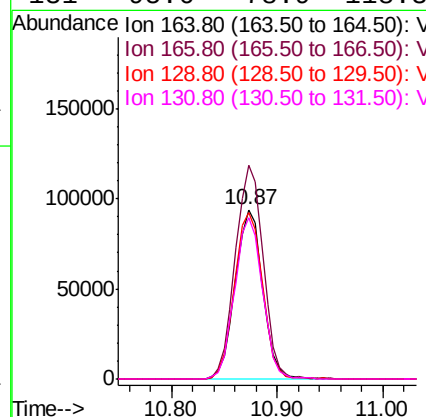
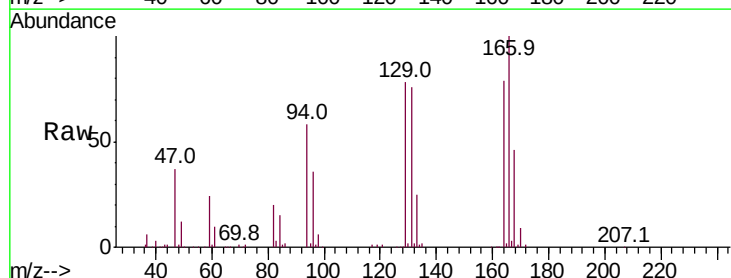
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

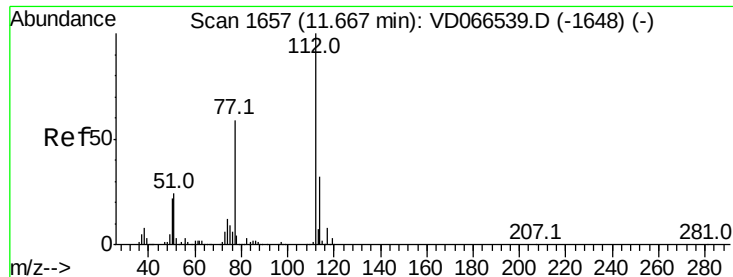
Tot Ion:117 Resp: 557096
Ion Ratio Lower Upper
117 100
82 58.4 46.2 69.2
119 33.9 25.8 38.8



#64
Tetrachloroethene
Concen: 44.691 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion:164 Resp: 167633
Ion Ratio Lower Upper
164 100
166 126.3 103.2 154.8
129 98.2 84.5 126.7
131 95.6 78.9 118.3





#65

Chlorobenzene

Concen: 45.840 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

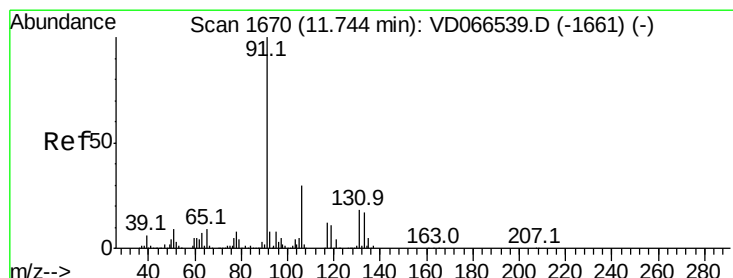
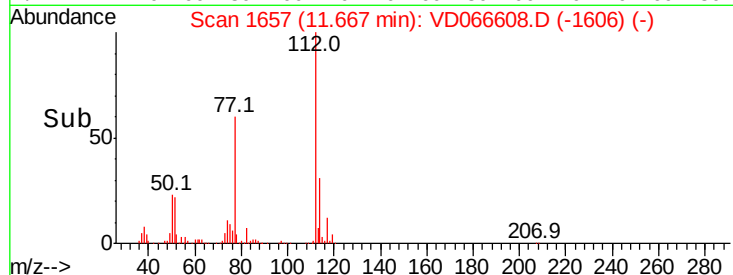
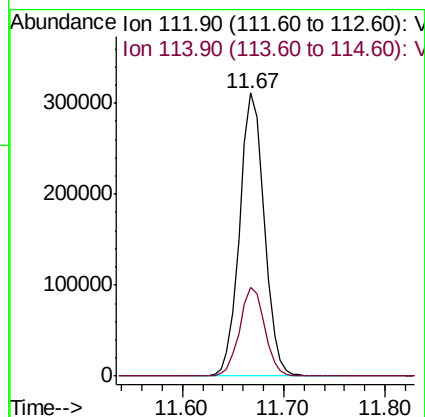
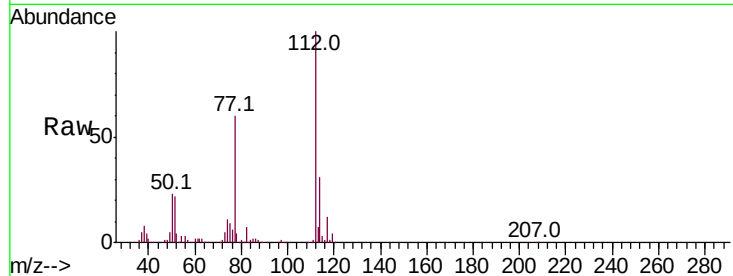
VSTDCCC050

Tot Ion:112 Resp: 527066

Ion Ratio Lower Upper

112 100

114 31.3 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 44.932 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

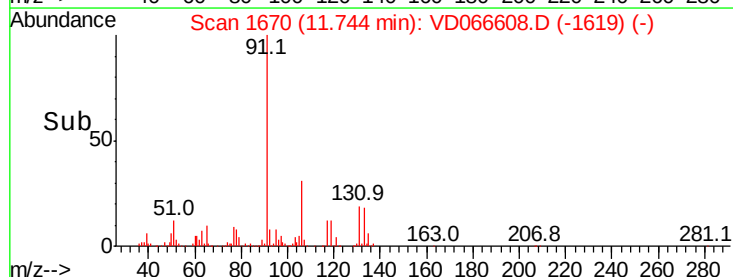
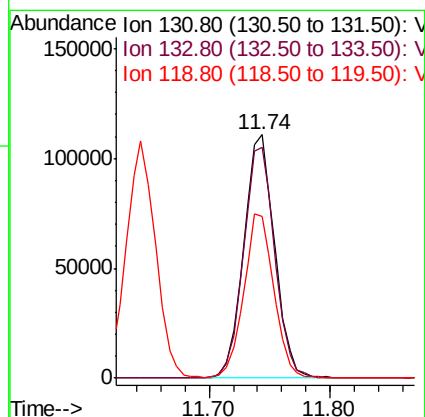
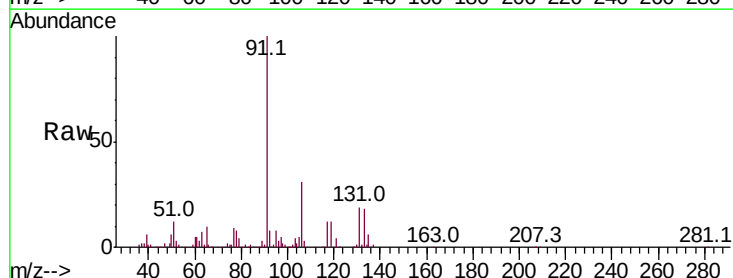
Tgt Ion:131 Resp: 197174

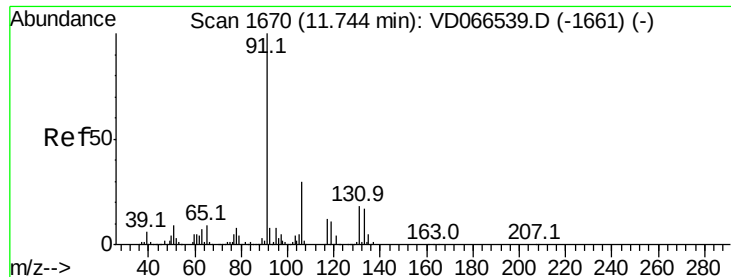
Ion Ratio Lower Upper

131 100

133 96.3 46.7 140.0

119 65.9 31.9 95.7





#67

Ethyl Benzene

Concen: 46.993 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

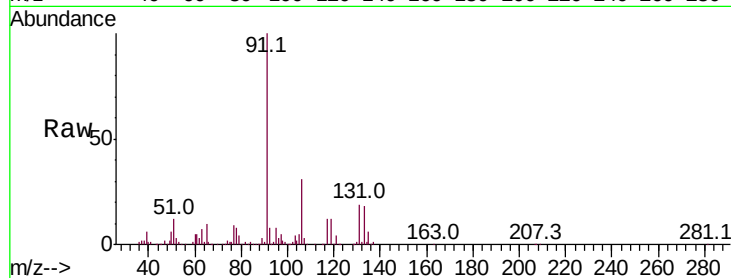
VSTDCCC050

Tot Ion: 91 Resp: 992141

Ion Ratio Lower Upper

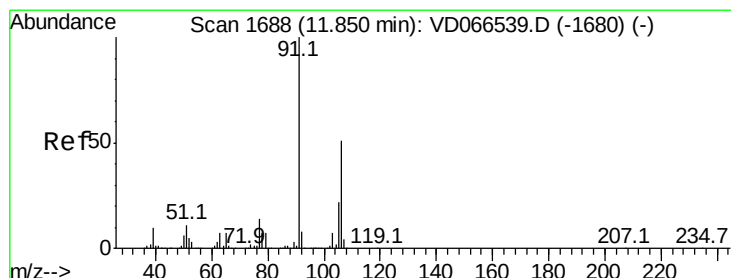
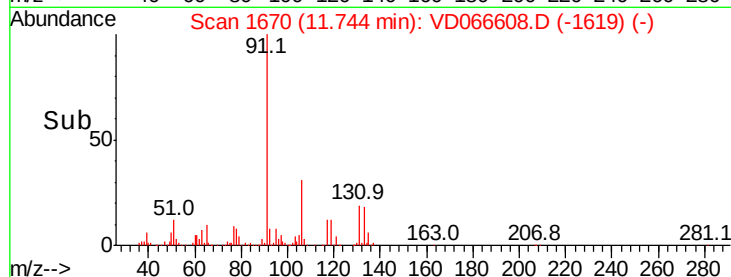
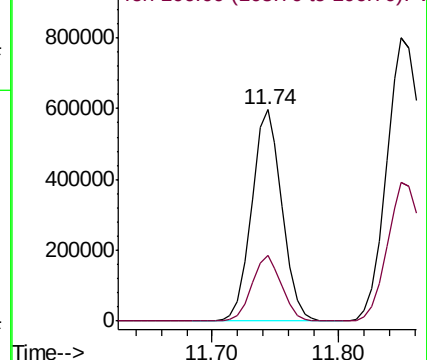
91 100

106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 95.663 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066608.D

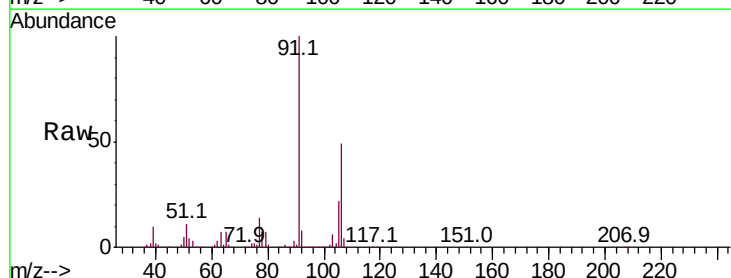
Acq: 10 Sep 2020 11:28

Tgt Ion:106 Resp: 749919

Ion Ratio Lower Upper

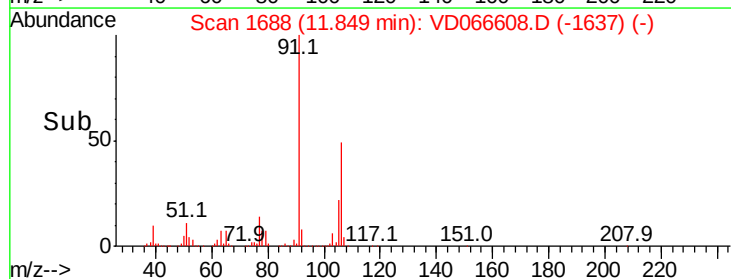
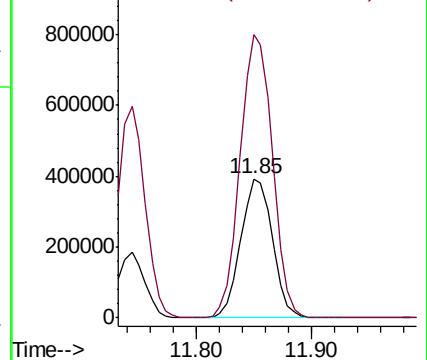
106 100

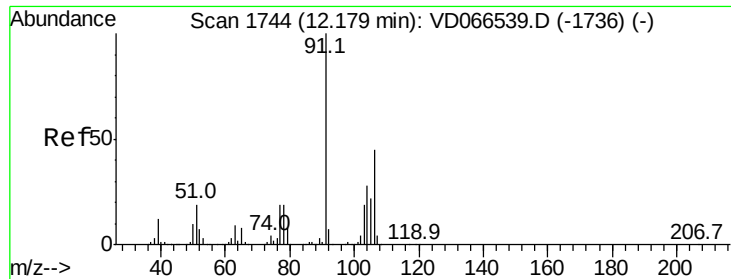
91 206.9 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

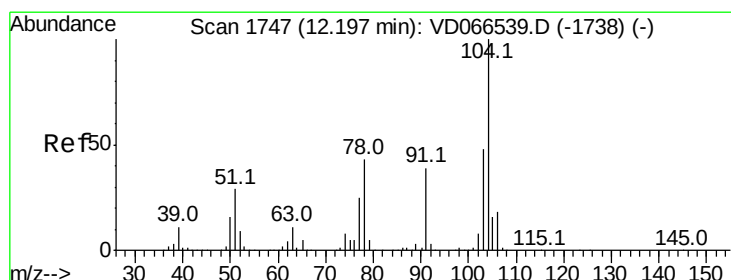
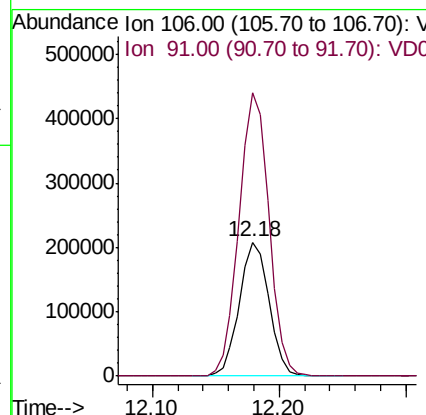
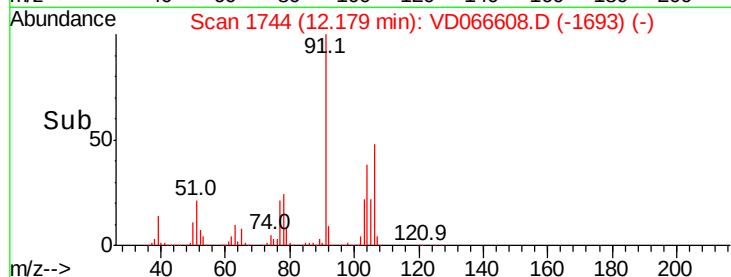
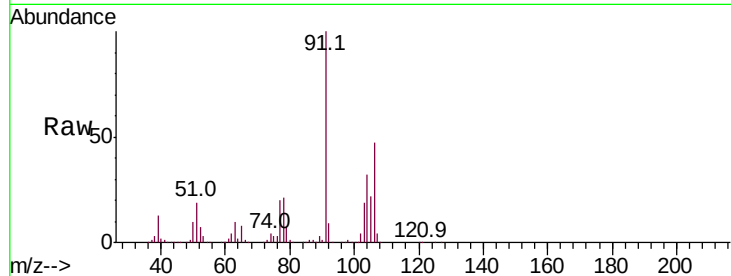




#69
o-Xylene
Concen: 48.022 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

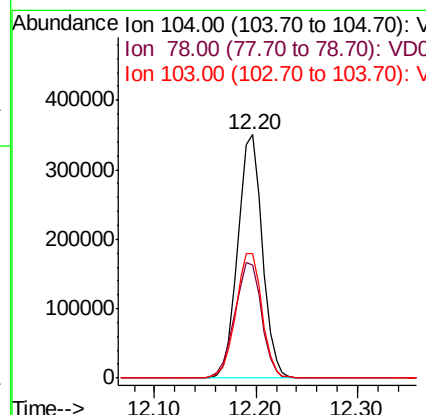
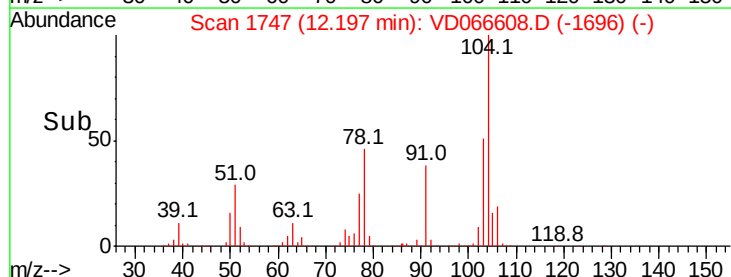
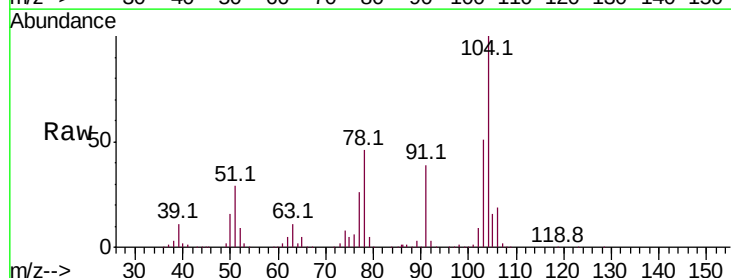
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

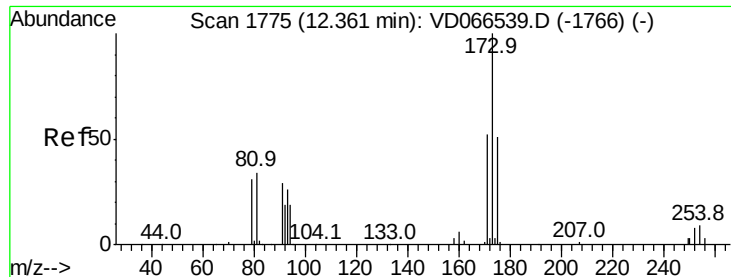
Tot Ion:106 Resp: 337374
Ion Ratio Lower Upper
106 100
91 213.4 107.9 323.8



#70
Styrene
Concen: 48.205 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion:104 Resp: 588769
Ion Ratio Lower Upper
104 100
78 52.0 40.7 61.1
103 54.8 42.9 64.3





#71

Bromoform

Concen: 47.326 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

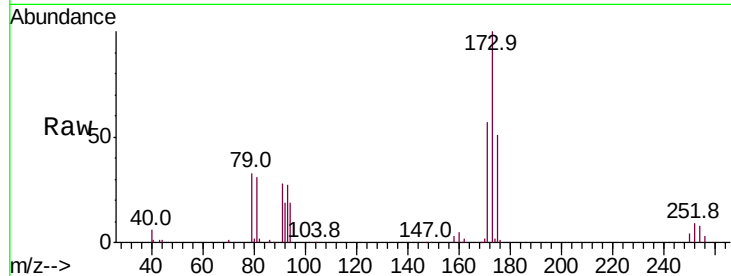
Tot Ion:173 Resp: 104664

Ion Ratio Lower Upper

173 100

175 46.8 24.2 72.6

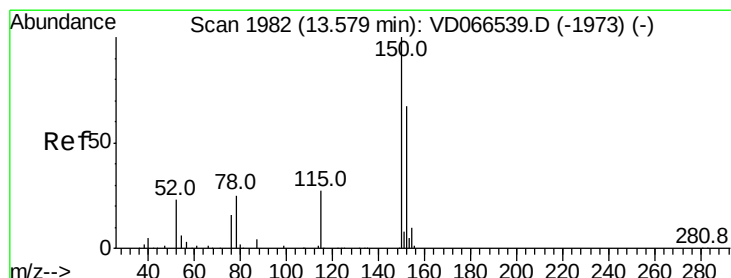
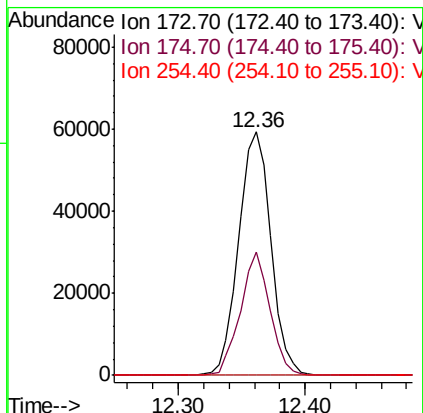
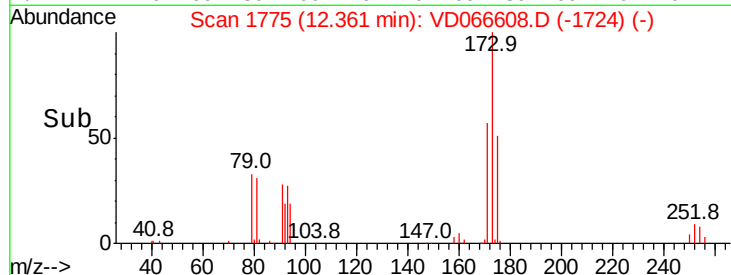
254 0.0 0.0 0.0



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: VD066608.D

Acq: 10 Sep 2020 11:28

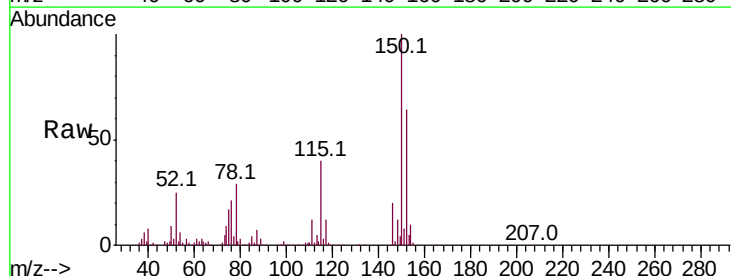
Tgt Ion:152 Resp: 260108

Ion Ratio Lower Upper

152 100

115 62.6 30.4 91.2

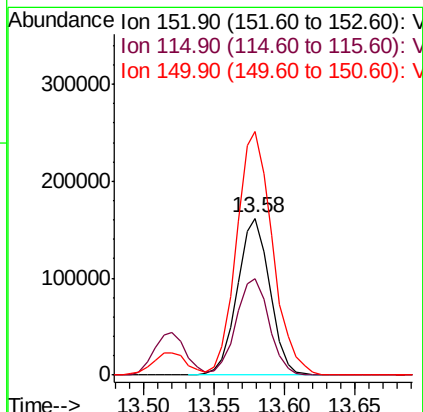
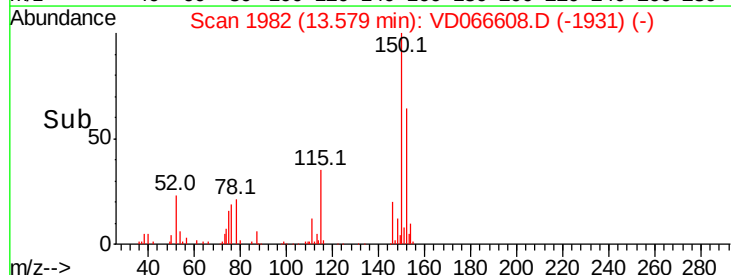
150 172.1 0.0 345.8

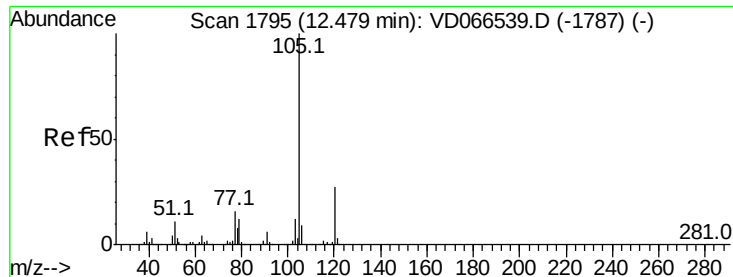


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.757 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

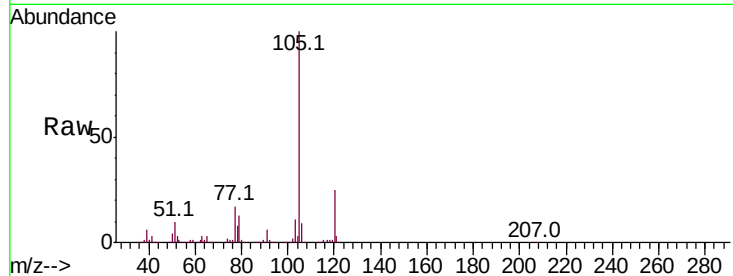
VSTDCCC050

Tot Ion:105 Resp: 958231

Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

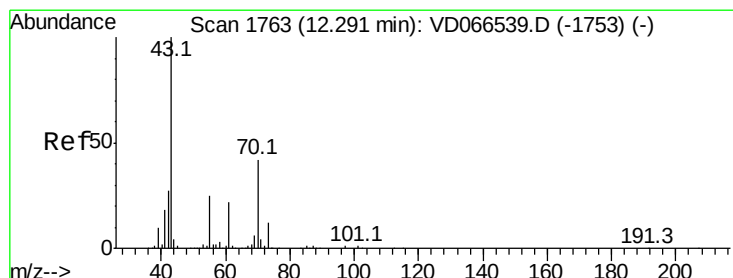
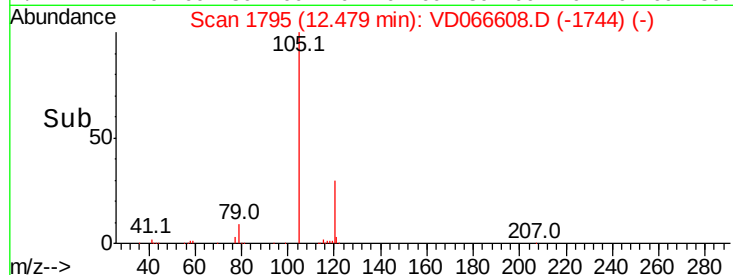
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 49.459 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Tgt Ion: 43 Resp: 215725

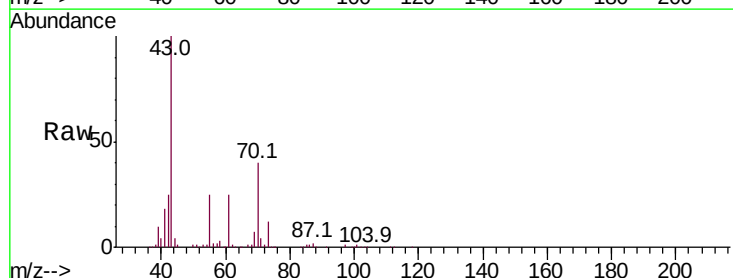
Ion Ratio Lower Upper

43 100

70 40.4 33.4 50.2

55 25.7 20.1 30.1

61 24.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.29

200000

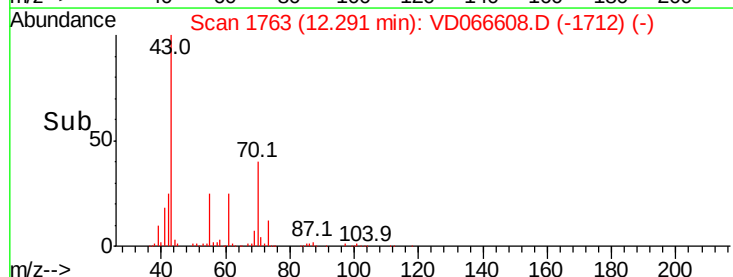
150000

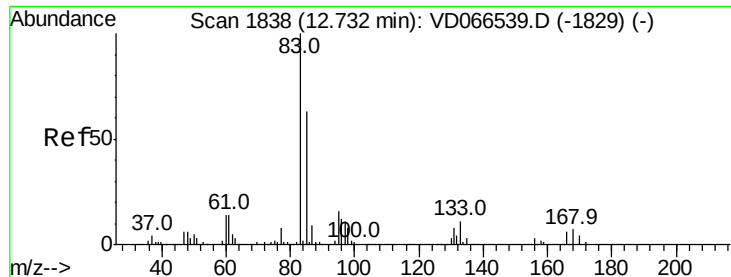
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.305 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

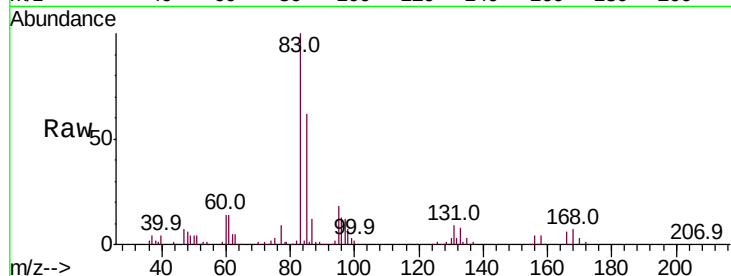
Tot Ion: 83 Resp: 157542

Ion Ratio Lower Upper

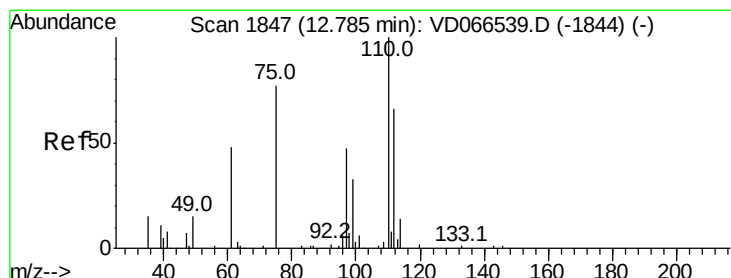
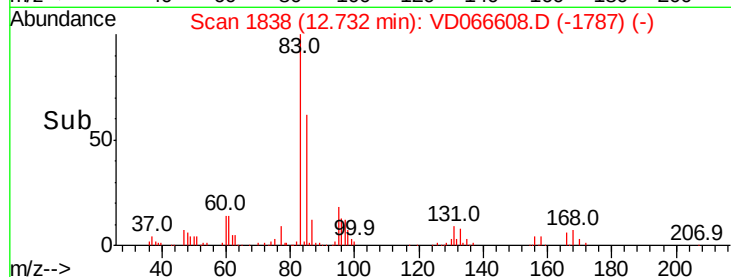
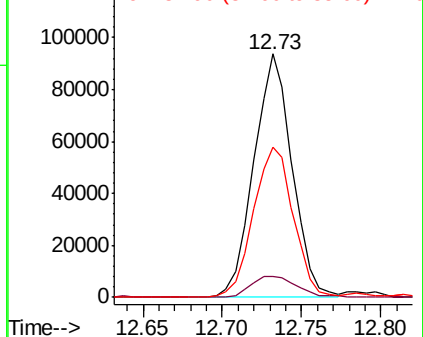
83 100

131 10.4 5.0 15.0

85 64.3 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 86.566 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066608.D

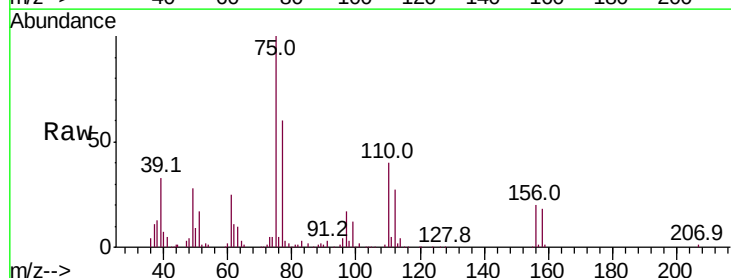
Acq: 10 Sep 2020 11:28

Tgt Ion: 75 Resp: 216549

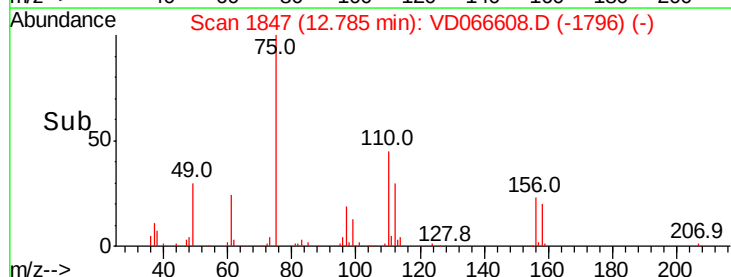
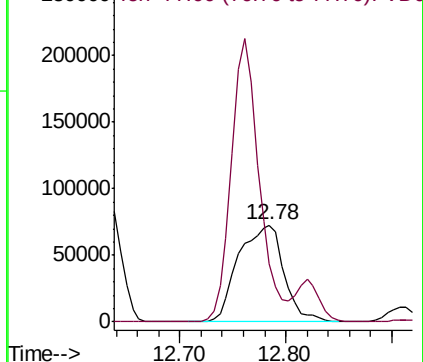
Ion Ratio Lower Upper

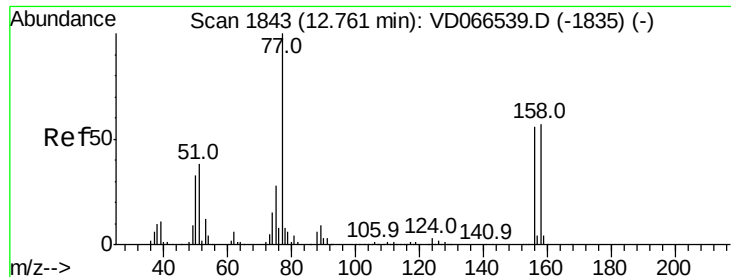
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC

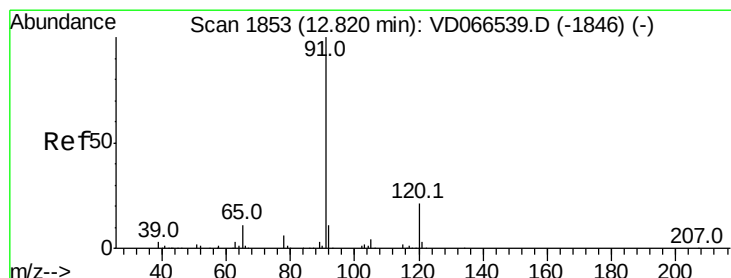
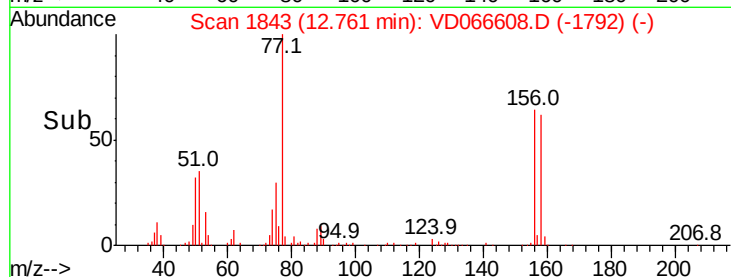
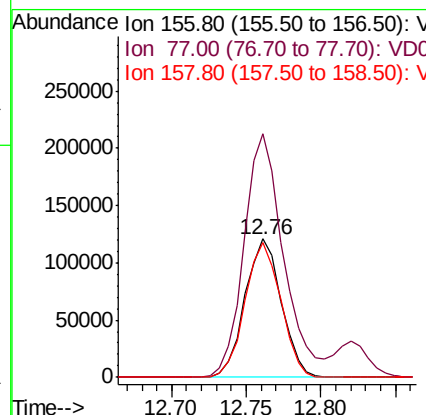
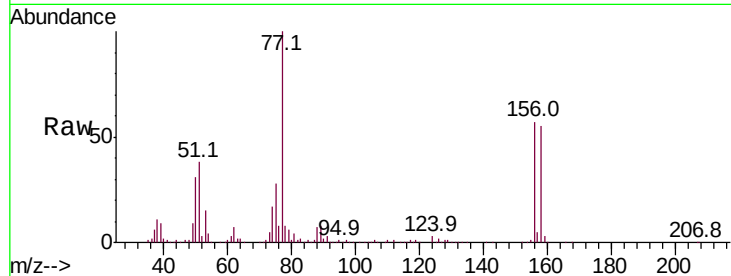




#77
Bromobenzene
Concen: 47.415 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

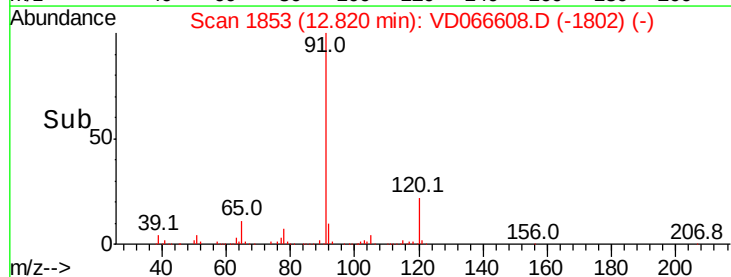
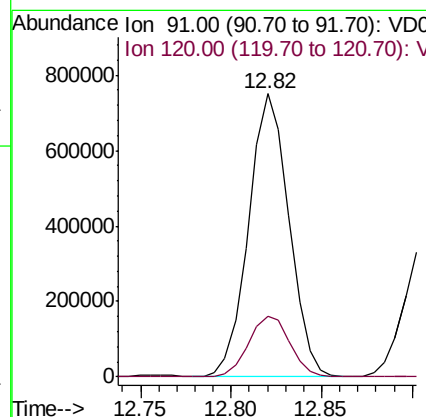
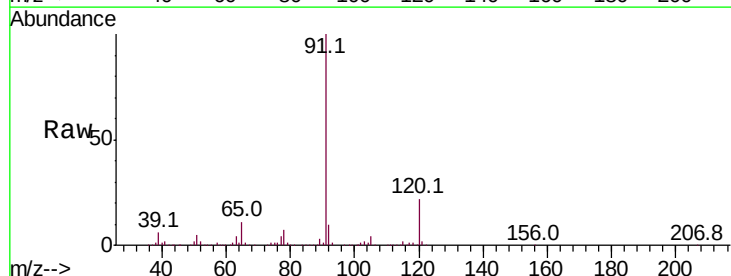
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

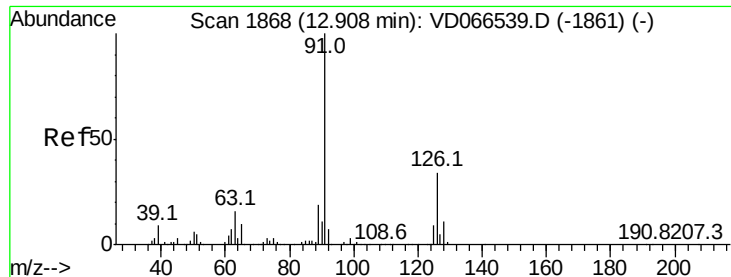
Tot Ion:156 Resp: 203576
Ion Ratio Lower Upper
156 100
77 191.4 98.0 294.1
158 96.0 48.1 144.3



#78
n-propylbenzene
Concen: 49.597 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion: 91 Resp: 1157868
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.1





#79

2-Chlorotoluene

Concen: 47.541 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

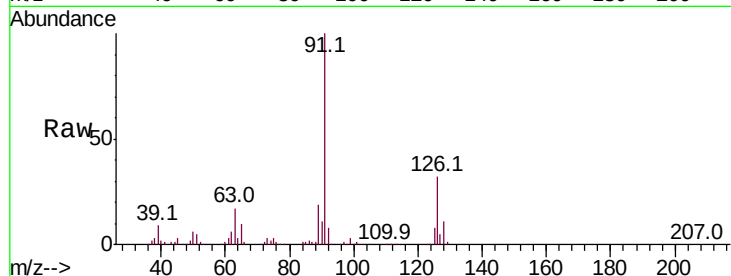
VSTDCCC050

Tot Ion: 91 Resp: 622640

Ion Ratio Lower Upper

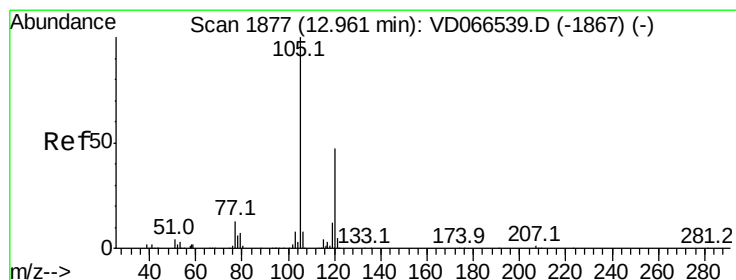
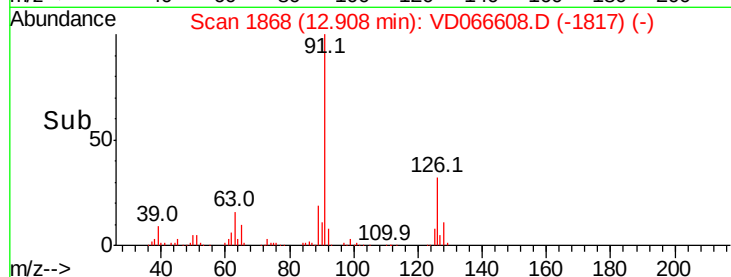
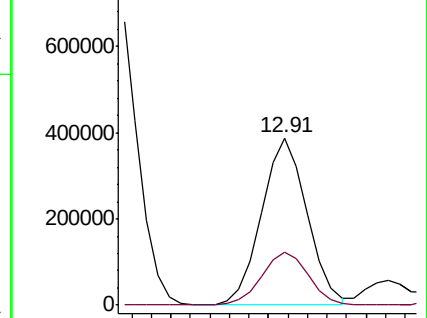
91 100

126 32.7 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.313 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066608.D

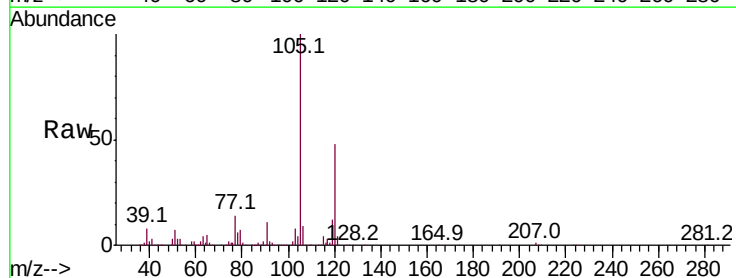
Acq: 10 Sep 2020 11:28

Tgt Ion:105 Resp: 799320

Ion Ratio Lower Upper

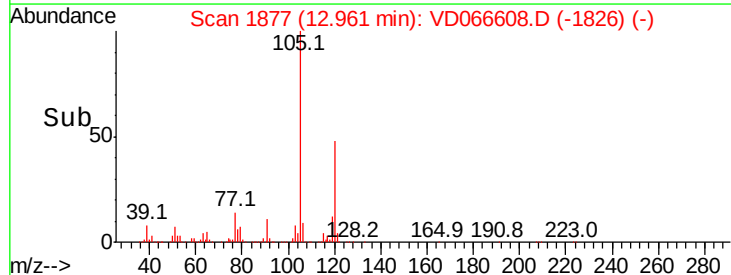
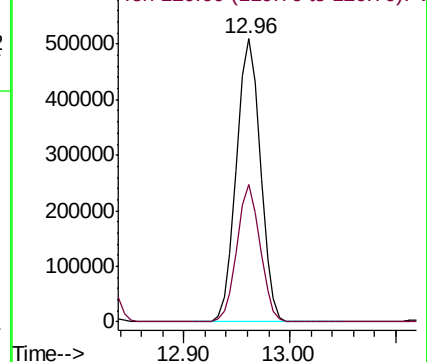
105 100

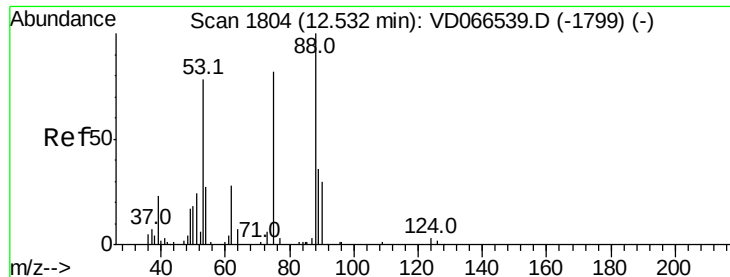
120 46.9 23.9 71.8



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: 50.576 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

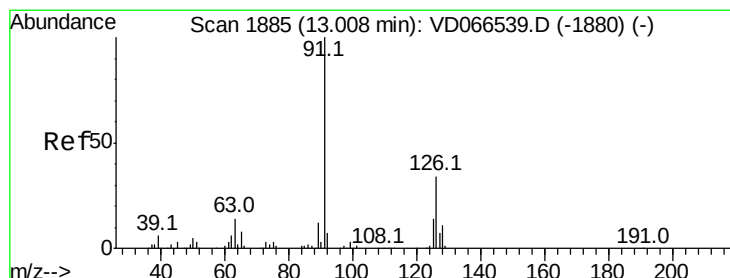
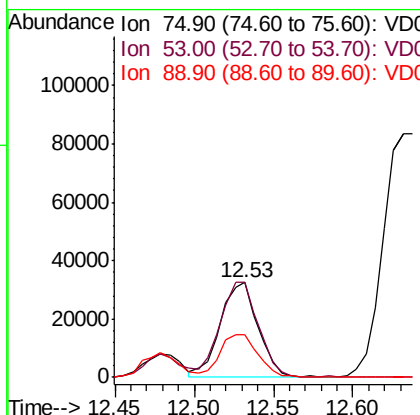
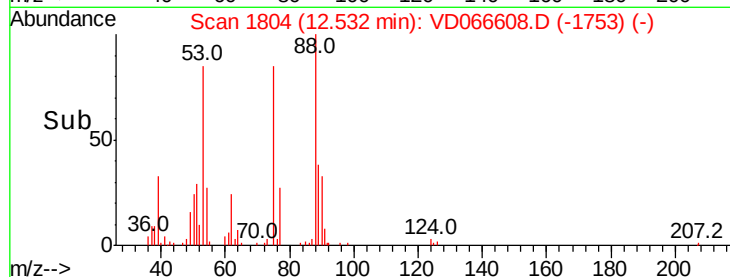
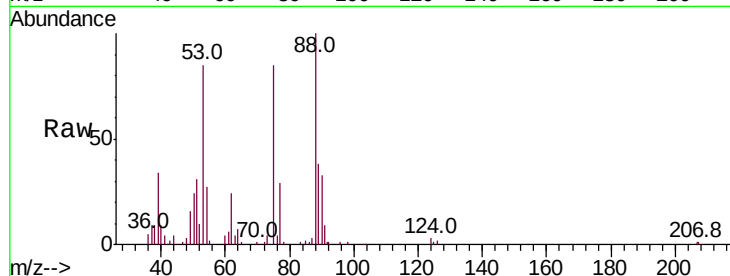
Tot Ion: 75 Resp: 54192

Ion Ratio Lower Upper

75 100

53 100.3 87.0 130.4

89 45.0 37.1 55.7



#82

4-Chlorotoluene

Concen: 47.300 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066608.D

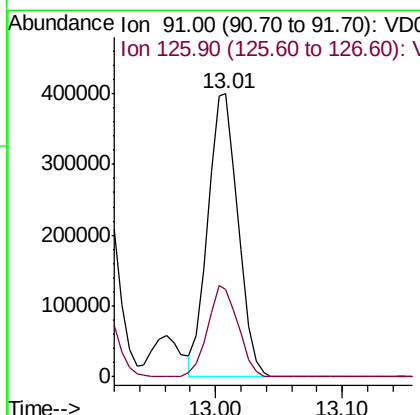
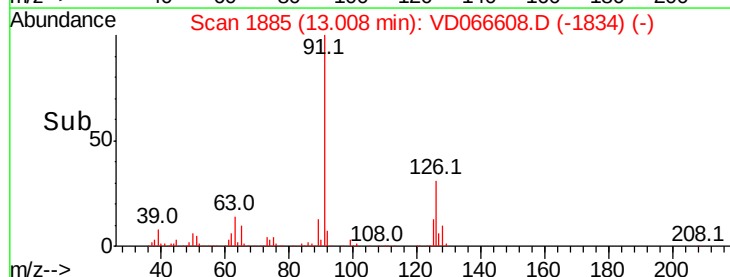
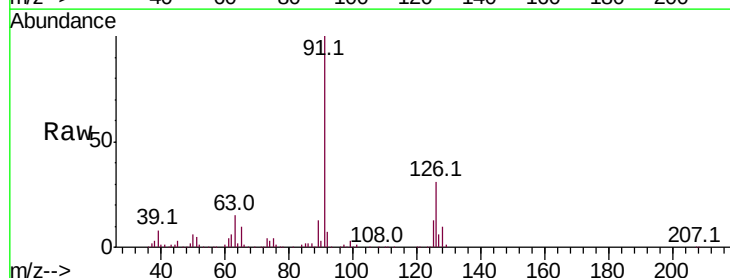
Acq: 10 Sep 2020 11:28

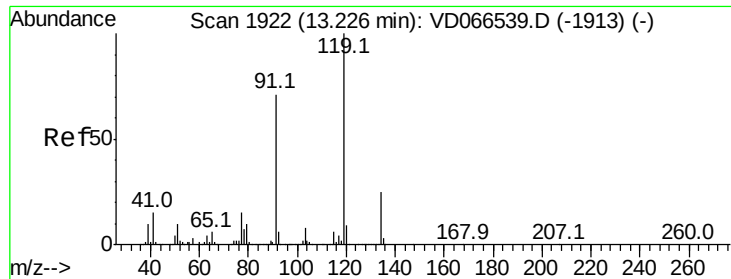
Tgt Ion: 91 Resp: 662458

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.1





#83

tert-Butylbenzene

Concen: 49.761 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

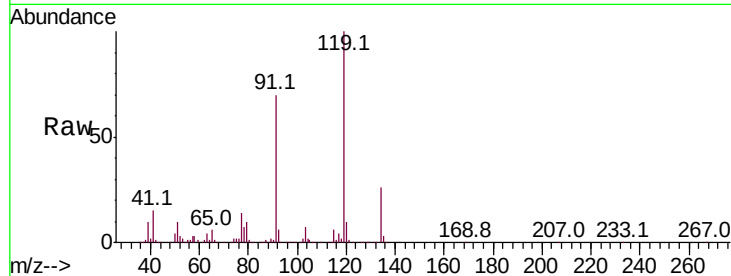
Tot Ion:119 Resp: 658653

Ion Ratio Lower Upper

119 100

91 69.9 35.2 105.6

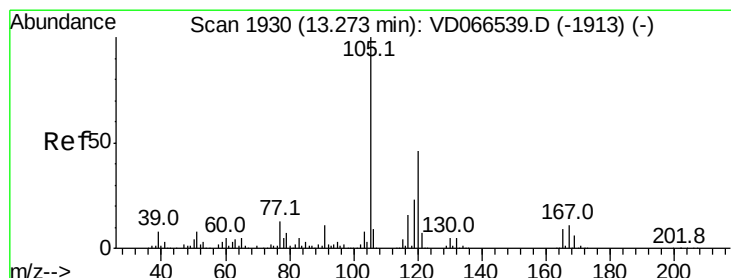
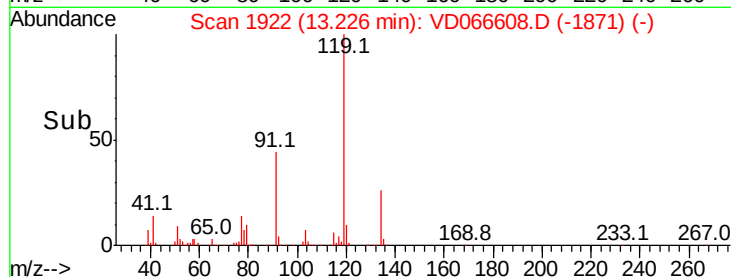
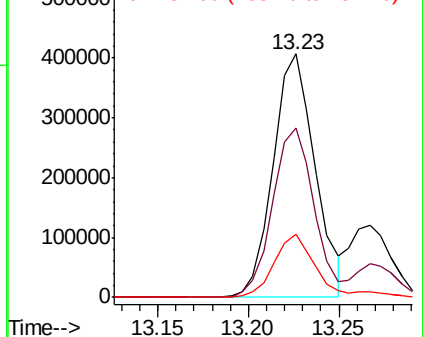
134 24.6 13.5 40.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.664 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066608.D

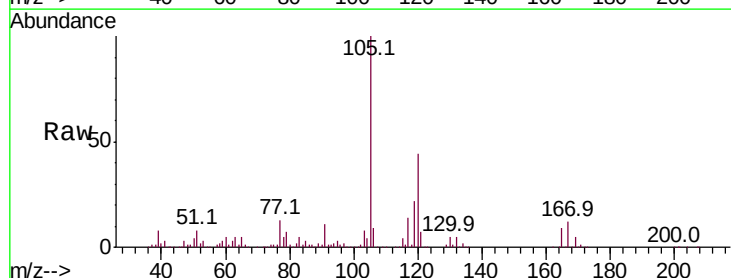
Acq: 10 Sep 2020 11:28

Tgt Ion:105 Resp: 785331

Ion Ratio Lower Upper

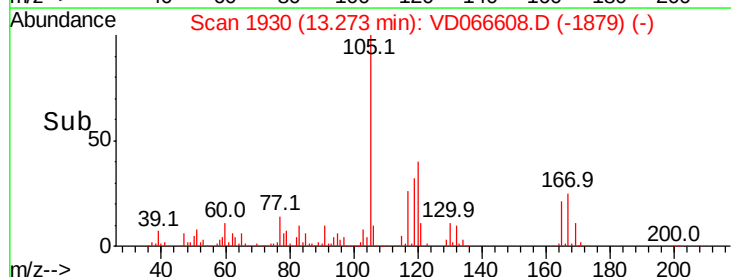
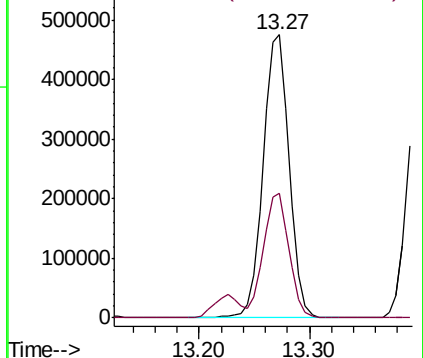
105 100

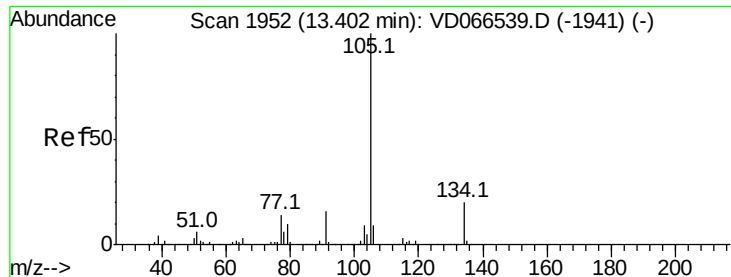
120 43.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.665 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

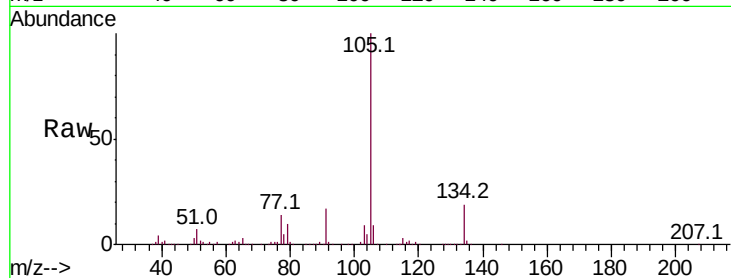
VSTDCCC050

Tot Ion:105 Resp: 947123

Ion Ratio Lower Upper

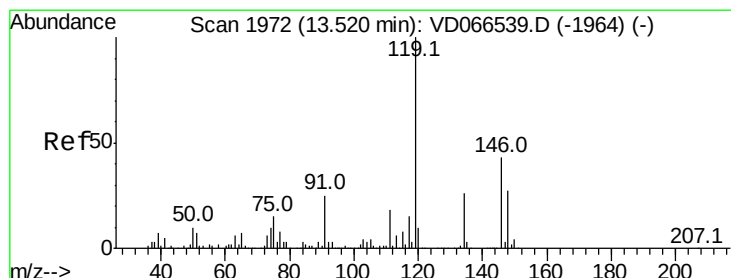
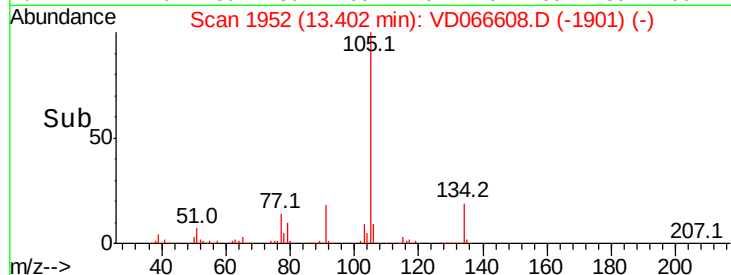
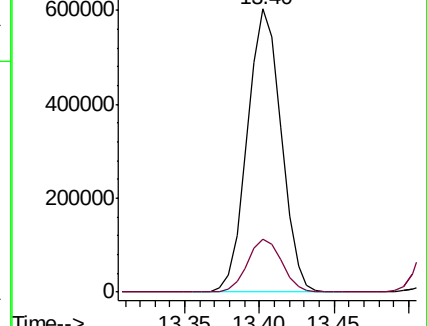
105 100

134 19.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.900 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

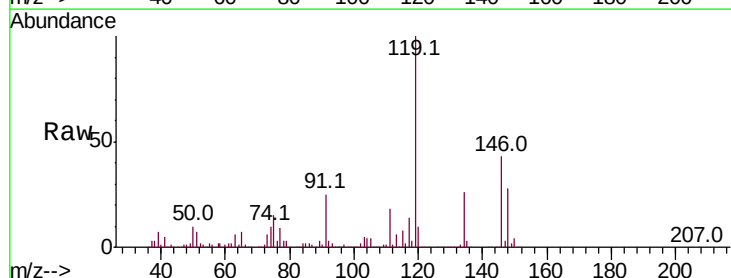
Tgt Ion:119 Resp: 856499

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

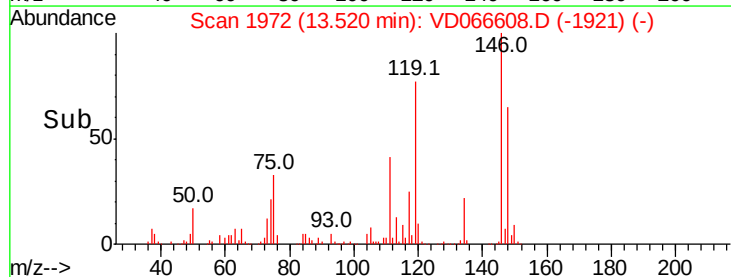
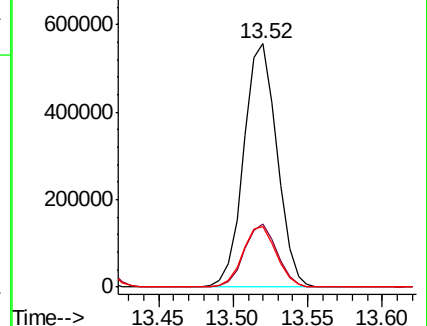
91 25.4 12.5 37.5

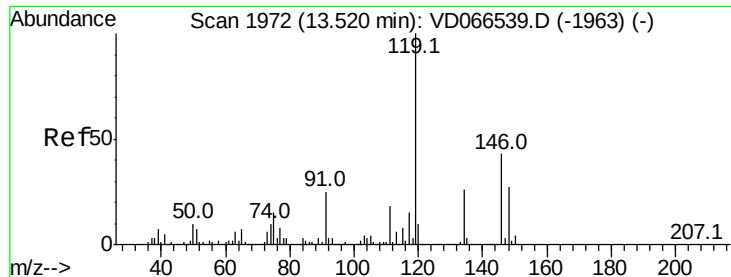


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.930 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

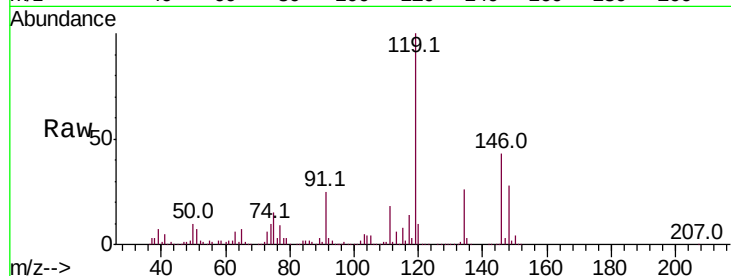
Tot Ion:146 Resp: 391496

Ion Ratio Lower Upper

146 100

111 42.1 20.6 61.9

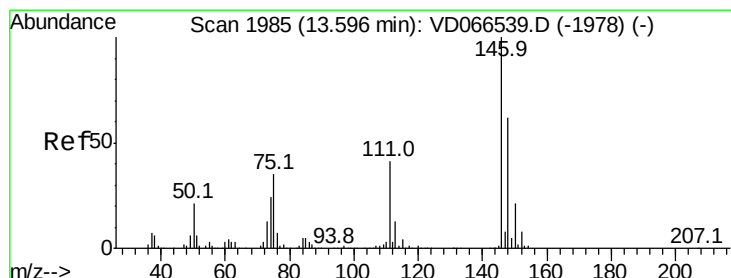
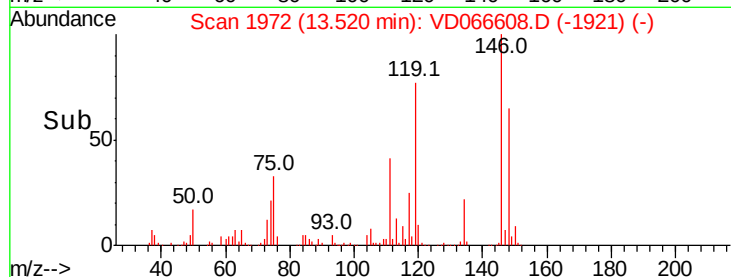
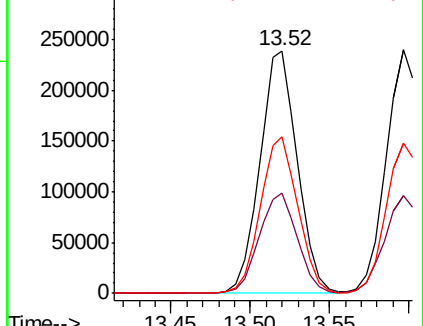
148 64.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.195 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

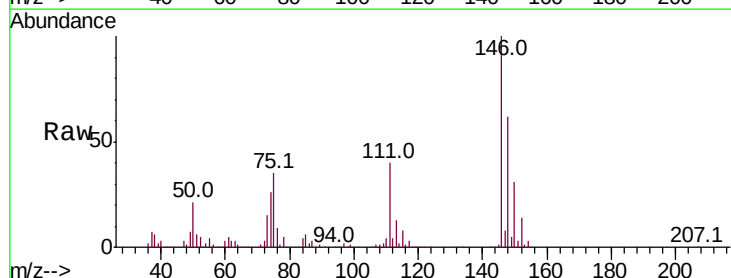
Tgt Ion:146 Resp: 386647

Ion Ratio Lower Upper

146 100

111 41.8 20.1 60.2

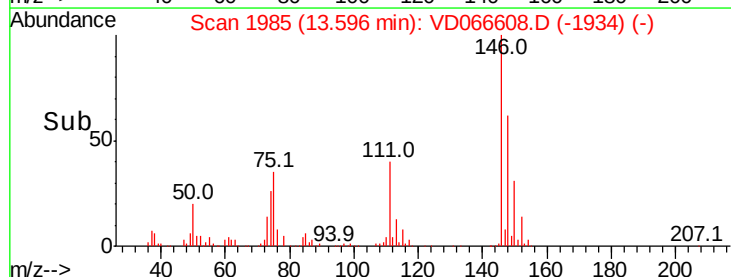
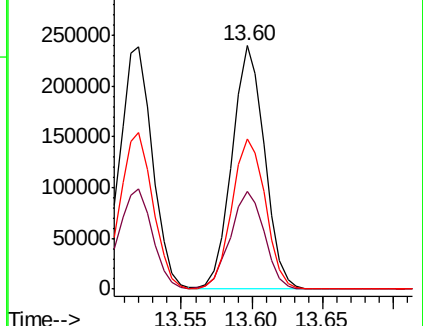
148 63.6 31.6 94.8

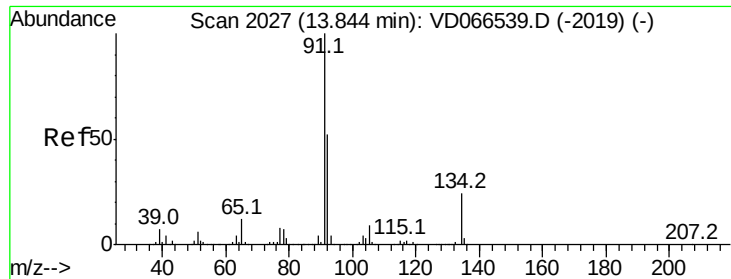


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

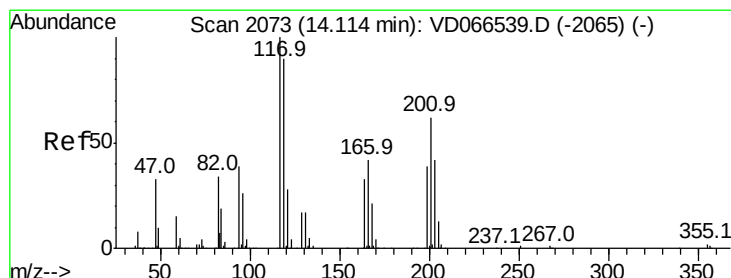
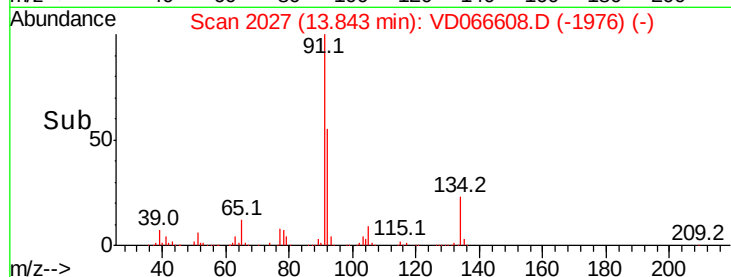
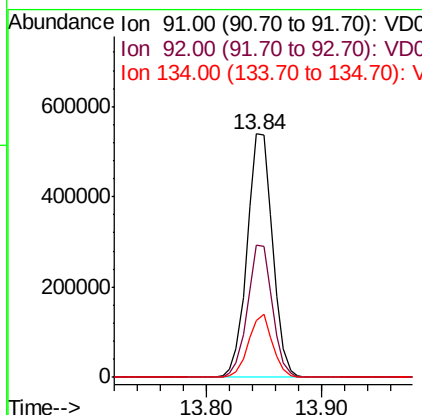
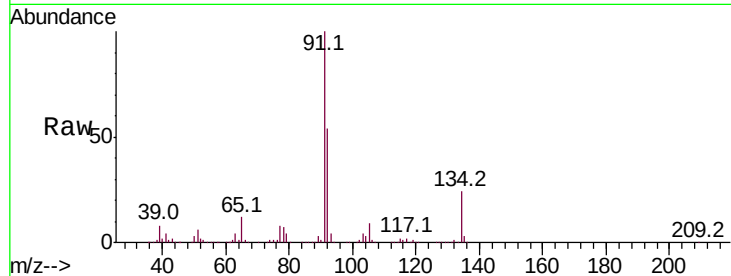




#89
n-Butylbenzene
Concen: 49.465 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

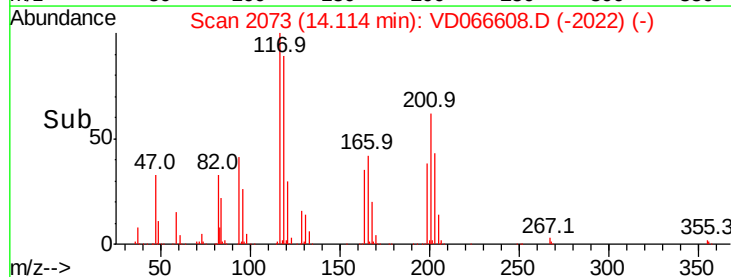
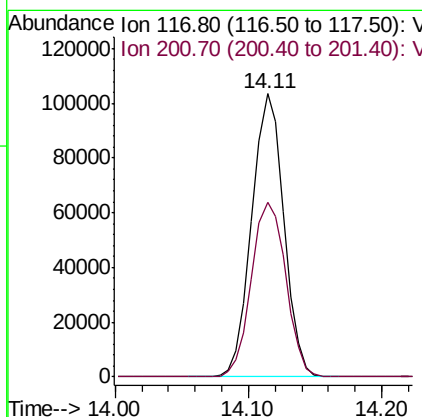
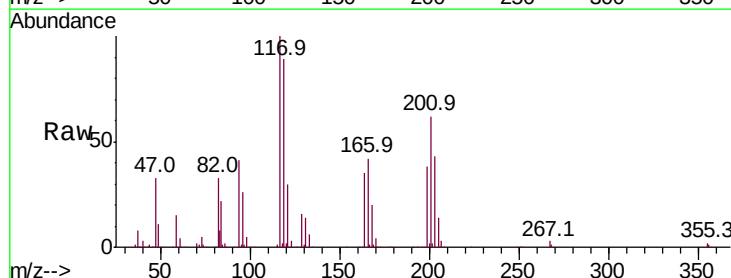
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

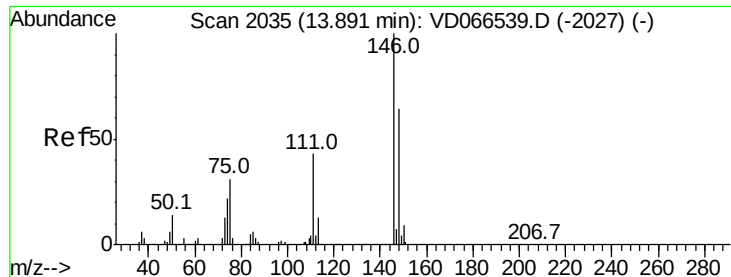
Tot Ion: 91 Resp: 827377
Ion Ratio Lower Upper
91 100
92 52.9 26.5 79.5
134 24.3 12.1 36.3



#90
Hexachloroethane
Concen: 46.395 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion: 117 Resp: 171587
Ion Ratio Lower Upper
117 100
201 66.1 31.9 95.5

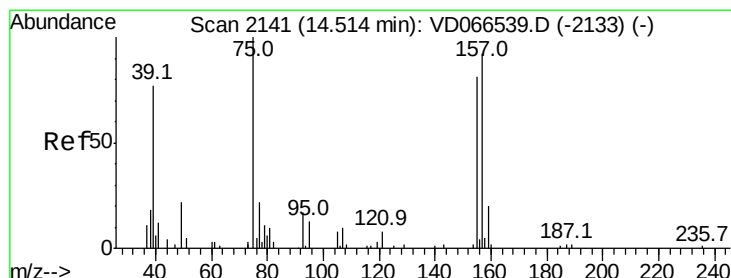
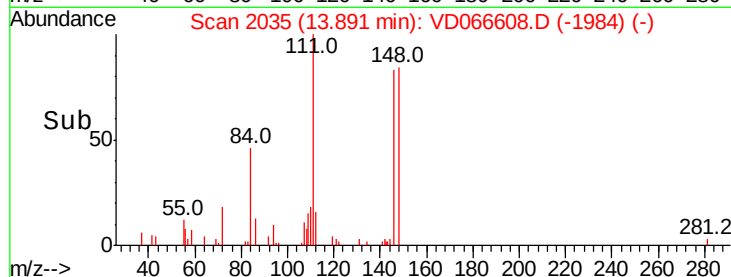
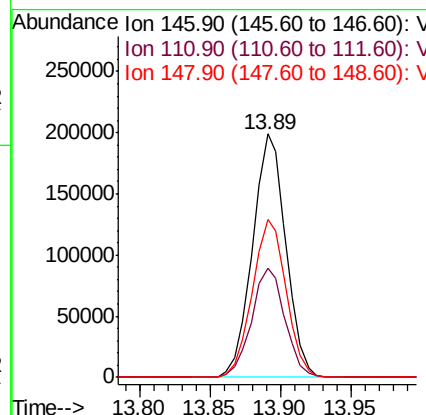
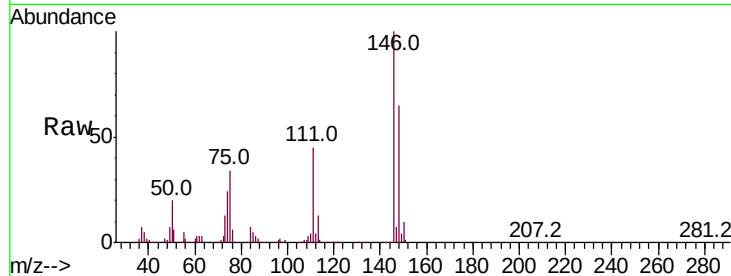




#91
 1,2-Dichlorobenzene
 Concen: 44.226 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066608.D
 Acq: 10 Sep 2020 11:28

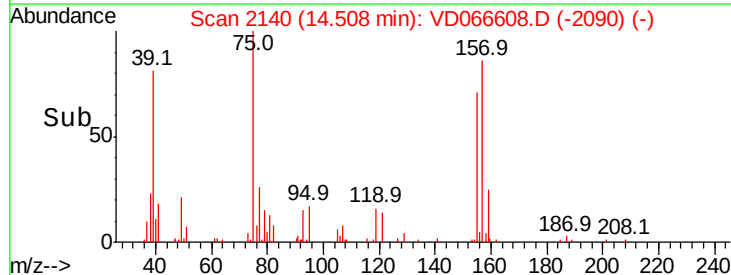
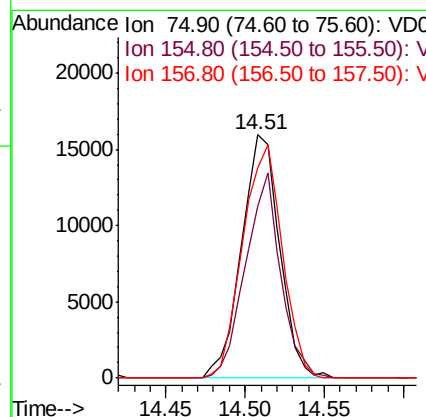
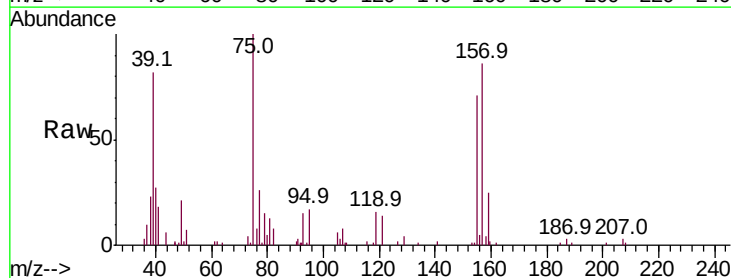
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

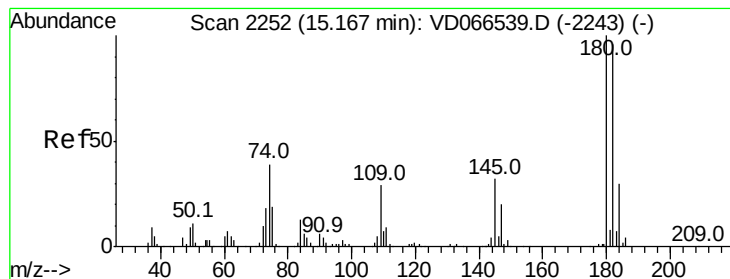
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.1	63.4
148	66.0	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.142 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066608.D
 Acq: 10 Sep 2020 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	39.3	117.8
157	99.2	46.0	137.8





#93

1,2,4-Trichlorobenzene

Concen: 49.172 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

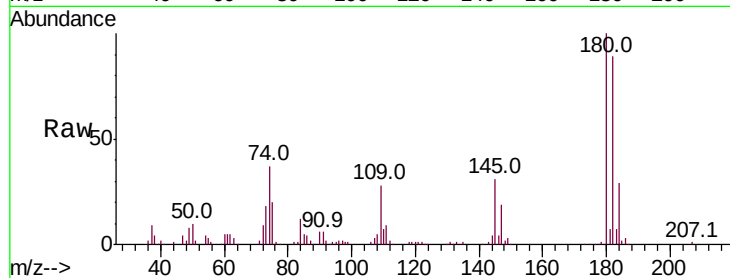
Tot Ion:180 Resp: 219862

Ion Ratio Lower Upper

180 100

182 94.3 48.4 145.0

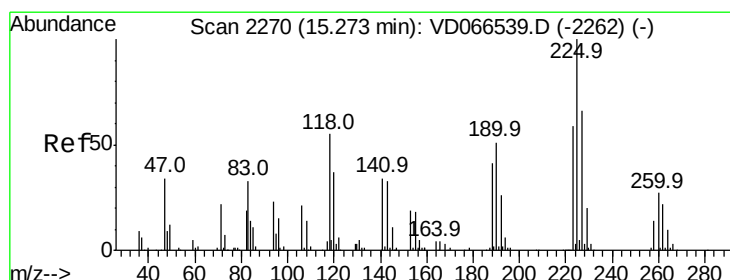
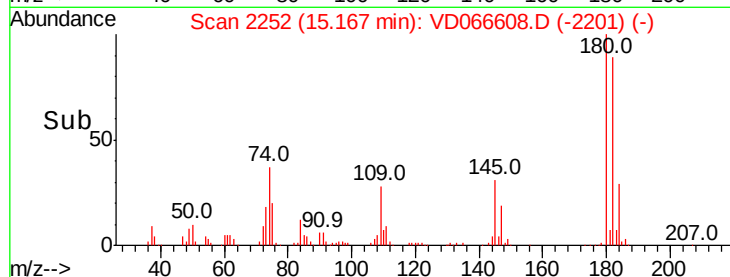
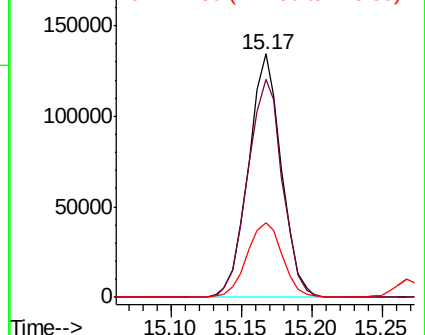
145 33.0 16.7 50.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 48.741 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VD066608.D

Acq: 10 Sep 2020 11:28

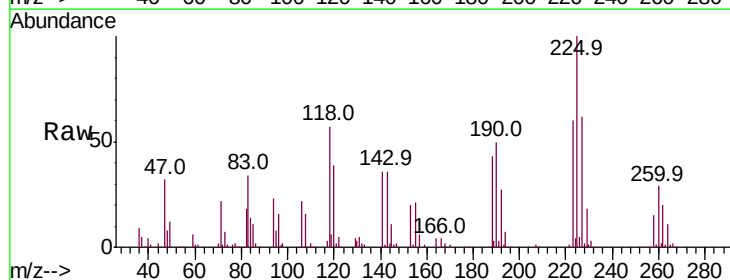
Tgt Ion:225 Resp: 130929

Ion Ratio Lower Upper

225 100

223 62.0 30.5 91.5

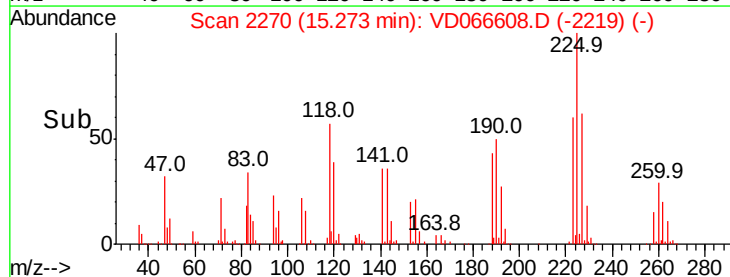
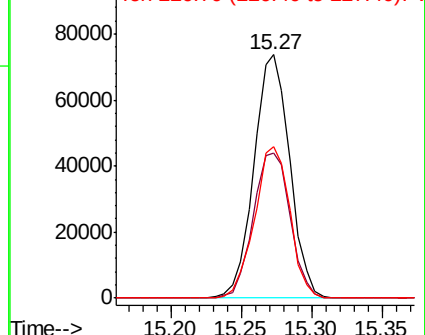
227 61.5 32.4 97.2

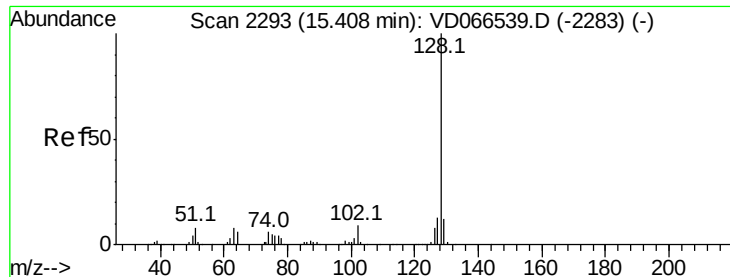


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

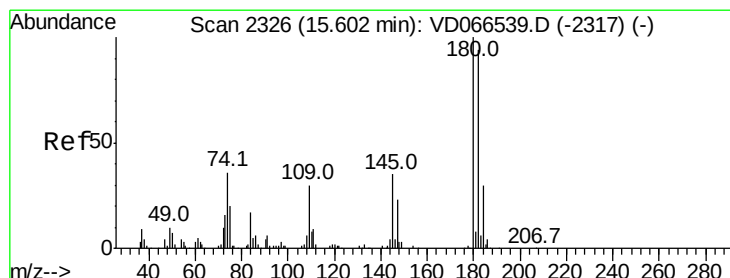
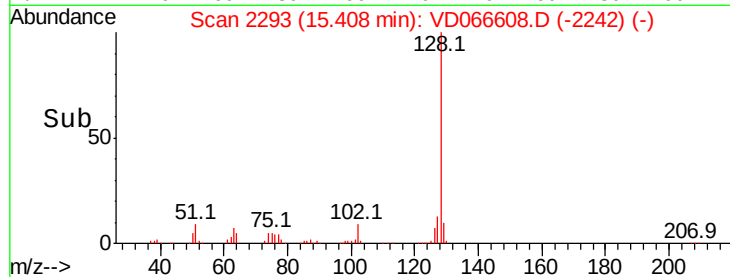
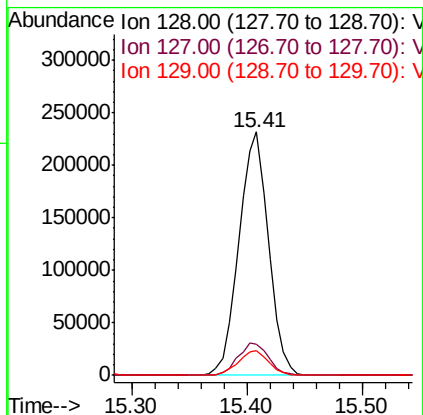
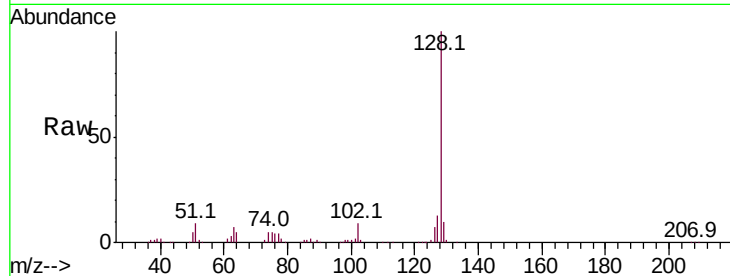




#95
Naphthalene
Concen: 52.522 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 410370
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.6 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 49.854 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066608.D
Acq: 10 Sep 2020 11:28

Tgt Ion:180 Resp: 190045
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.6
145 35.5 17.3 51.7

