

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066966.D
 Acq On : 30 Sep 2020 10:39
 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: Oct 01 00:54:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	422530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	564045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274135	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	167050	40.39	ug/l	0.00
Spiked Amount			Recovery	=	80.78%	
35) Dibromofluoromethane	7.91	113	181695	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
50) Toluene-d8	10.34	98	646404	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
62) 4-Bromofluorobenzene	12.63	95	226816	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	136814	45.967	ug/l	91
3) Chloromethane	2.21	50	139859	36.026	ug/l	97
4) Vinyl Chloride	2.35	62	150952	39.358	ug/l	95
5) Bromomethane	2.77	94	116887	43.360	ug/l	96
6) Chloroethane	2.93	64	96686	40.595	ug/l	96
7) Trichlorofluoromethane	3.28	101	352988	44.814	ug/l	97
8) Diethyl Ether	3.71	74	88760	44.387	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	208939	45.746	ug/l	99
10) Methyl Iodide	4.30	142	183904	45.629	ug/l	95
11) Tert butyl alcohol	5.21	59	56591	220.960	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	190891	46.137	ug/l	98
13) Acrolein	3.92	56	71479	234.297	ug/l	94
14) Allyl chloride	4.71	41	271065	44.616	ug/l	96
15) Acrylonitrile	5.43	53	191754	216.383	ug/l	99
16) Acetone	4.16	43	156331	178.197	ug/l	98
17) Carbon Disulfide	4.41	76	528139	41.752	ug/l	99
18) Methyl Acetate	4.72	43	85831	43.367	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	415074	46.195	ug/l	99
20) Methylene Chloride	4.96	84	227942	47.898	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	219622	45.843	ug/l	93
22) Diisopropyl ether	6.36	45	562432	45.023	ug/l	99
23) Vinyl Acetate	6.31	43	1458850	215.471	ug/l	100
24) 1,1-Dichloroethane	6.27	63	375906	44.981	ug/l	97
25) 2-Butanone	7.21	43	212602	201.658	ug/l	98
26) 2,2-Dichloropropane	7.21	77	348322	45.475	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	245450	47.154	ug/l	98
28) Bromochloromethane	7.54	49	163905	47.475	ug/l #	93
29) Tetrahydrofuran	7.56	42	145232	214.991	ug/l	95
30) Chloroform	7.71	83	401408	44.560	ug/l	96
31) Cyclohexane	7.98	56	321857	42.803	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	373586	45.844	ug/l	99
36) 1,1-Dichloropropene	8.11	75	310675	49.653	ug/l	98
37) Ethyl Acetate	7.29	43	106281	46.987	ug/l #	95
38) Carbon Tetrachloride	8.10	117	344480	50.358	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	378434	52.678	ug/l	100
40) Benzene	8.35	78	855709	49.072	ug/l	98
41) Methacrylonitrile	7.56	41	142139	102.184	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	237405	46.052	ug/l	99
43) Isopropyl Acetate	8.45	43	199732	45.801	ug/l	100
44) Trichloroethene	9.11	130	253843	51.071	ug/l	91
45) 1,2-Dichloropropane	9.38	63	204989	46.722	ug/l	97
46) Dibromomethane	9.47	93	115104	48.286	ug/l	93
47) Bromodichloromethane	9.66	83	307835	48.072	ug/l	99
48) Methyl methacrylate	9.46	41	93428	43.453	ug/l	96
49) 1,4-Dioxane	9.46	88	26100	961.484	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	520936	235.751	ug/l	99
52) Toluene	10.40	92	578525	51.505	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	274966	50.449	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	334961	50.402	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	160805	49.070	ug/l	95
56) Ethyl methacrylate	10.66	69	181309	51.646	ug/l	95
57) 1,3-Dichloropropane	10.94	76	270059	49.908	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	376901	226.741	ug/l	95
59) 2-Hexanone	10.98	43	349157	234.309	ug/l	97
60) Dibromochloromethane	11.14	129	215266	50.332	ug/l	98
61) 1,2-Dibromoethane	11.24	107	153192	50.259	ug/l	99
64) Tetrachloroethene	10.87	164	210893	51.979	ug/l	98
65) Chlorobenzene	11.67	112	608783	51.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	232460	52.312	ug/l	99
67) Ethyl Benzene	11.74	91	1092314	52.971	ug/l	97
68) m/p-Xylenes	11.86	106	859955	110.148	ug/l	96
69) o-Xylene	12.18	106	380370	53.880	ug/l	100
70) Styrene	12.20	104	662325	54.024	ug/l	100
71) Bromoform	12.36	173	118321	52.589	ug/l #	97
73) Isopropylbenzene	12.48	105	1080013	54.537	ug/l	99
74) N-amyl acetate	12.29	43	181609	46.960	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	163250	47.773	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	213853	94.133	ug/l #	100
77) Bromobenzene	12.76	156	241326	52.104	ug/l	94
78) n-propylbenzene	12.82	91	1266312	53.152	ug/l	98
79) 2-Chlorotoluene	12.91	91	698945	51.482	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	895477	53.291	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	51056	56.227	ug/l	94
82) 4-Chlorotoluene	13.01	91	728801	50.924	ug/l	98
83) tert-Butylbenzene	13.23	119	752216	54.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	888995	53.353	ug/l	98
85) sec-Butylbenzene	13.41	105	1084390	54.613	ug/l	99
86) p-Isopropyltoluene	13.52	119	988314	55.220	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	469064	51.262	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	464937	51.158	ug/l	99
89) n-Butylbenzene	13.85	91	920104	54.087	ug/l	99
90) Hexachloroethane	14.11	117	187225	51.526	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	404259	51.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25265	45.961	ug/l	91

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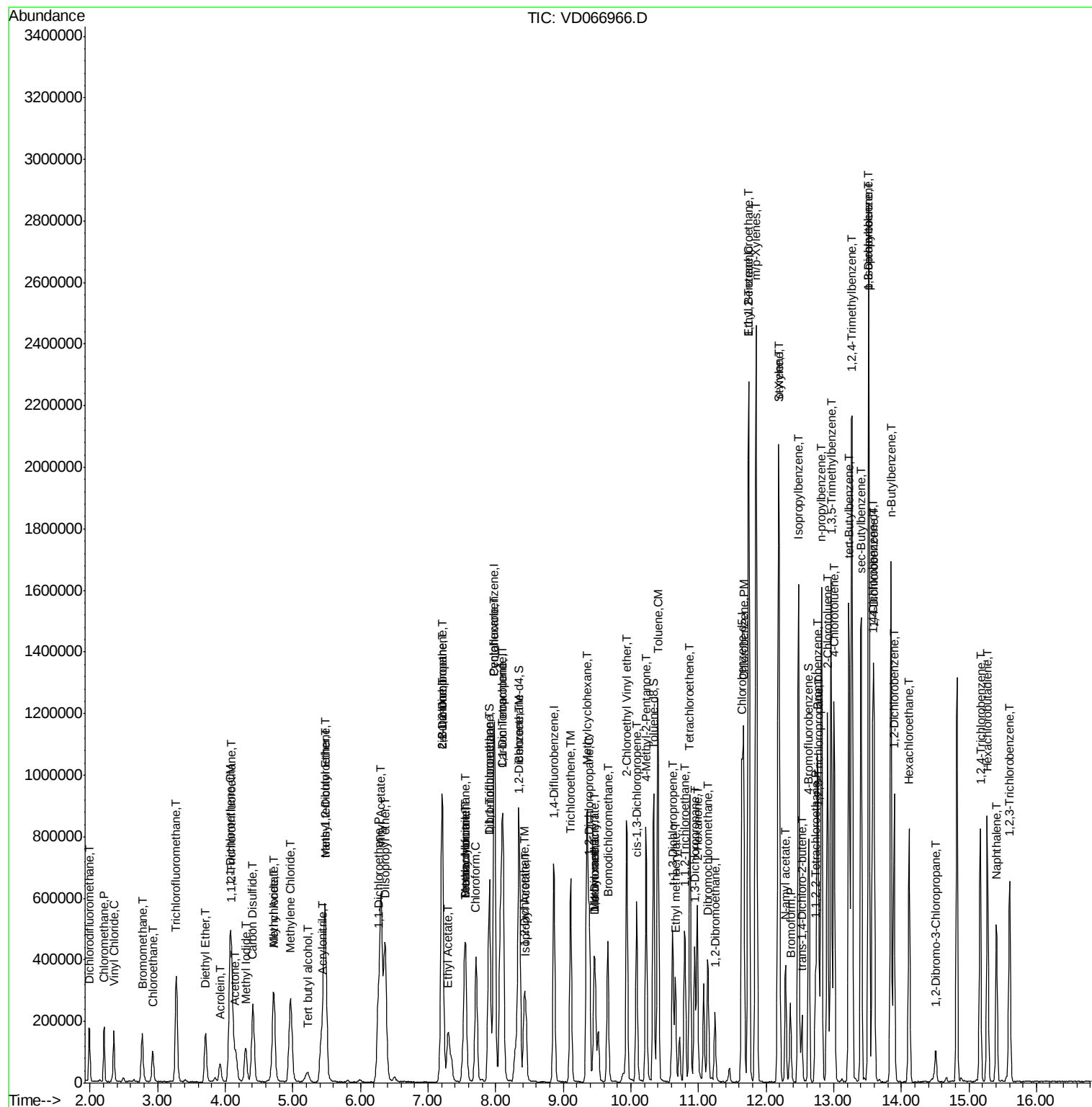
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	275476	55.898	ug/l	96
94) Hexachlorobutadiene	15.28	225	167463	56.706	ug/l	98
95) Naphthalene	15.41	128	451543	53.968	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	226514	53.253	ug/l	96

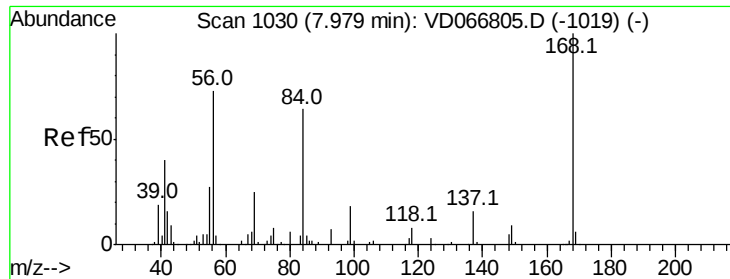
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

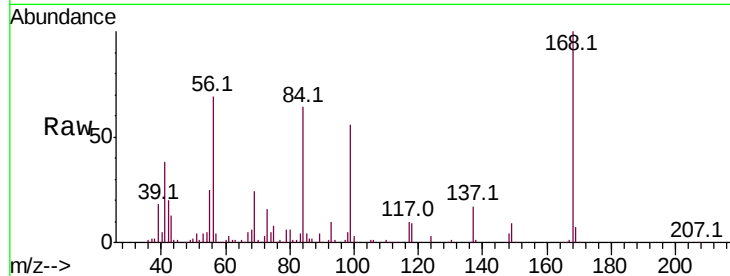
VSTDCCC050

Tot Ion:168 Resp: 422530

Ion Ratio Lower Upper

168 100

99 55.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

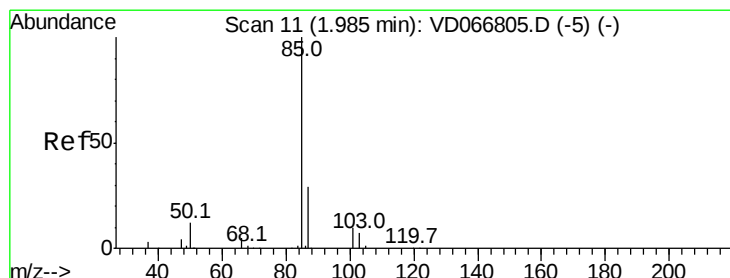
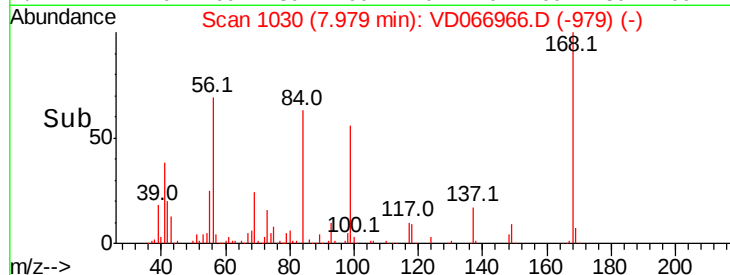
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.967 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066966.D

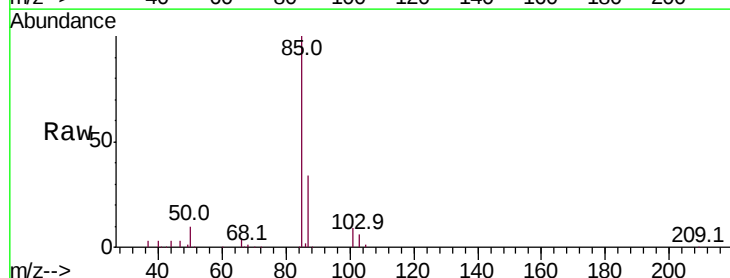
Acq: 30 Sep 2020 10:39

Tgt Ion: 85 Resp: 136814

Ion Ratio Lower Upper

85 100

87 33.7 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

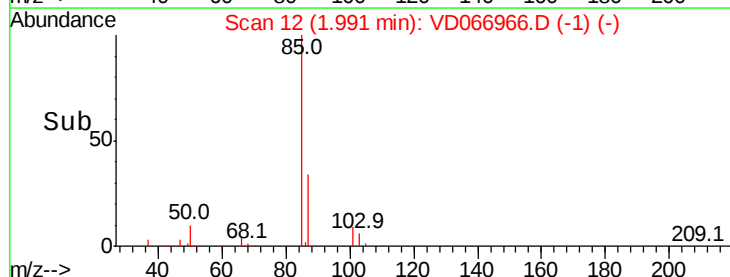
60000

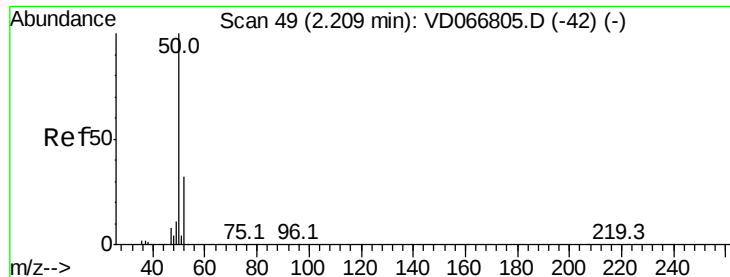
40000

20000

0

Time-->





#3

Chloromethane

Concen: 36.026 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

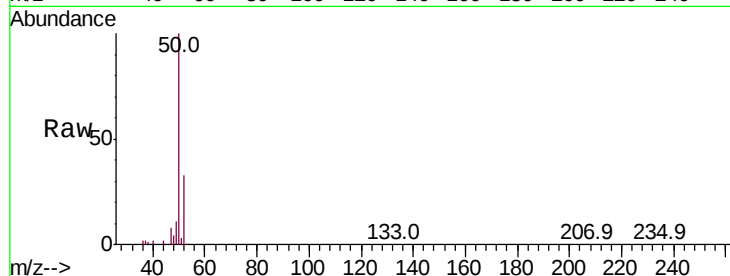
VSTDCCC050

Tot Ion: 50 Resp: 139859

Ion Ratio Lower Upper

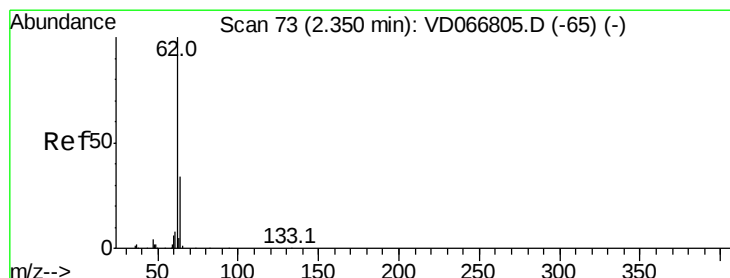
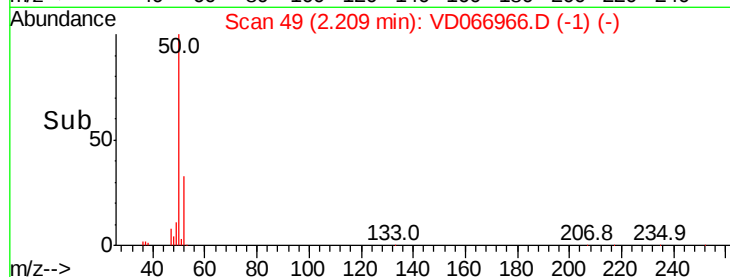
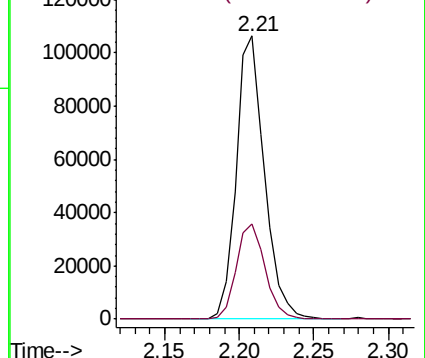
50 100

52 33.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 39.358 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066966.D

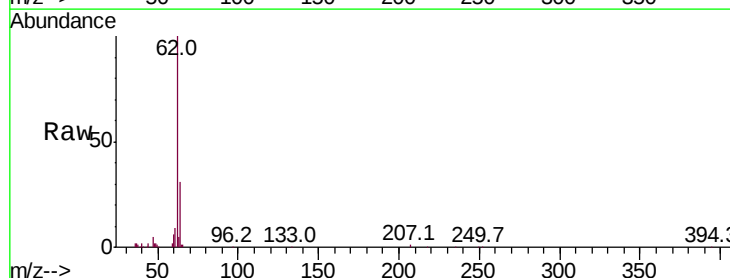
Acq: 30 Sep 2020 10:39

Tgt Ion: 62 Resp: 150952

Ion Ratio Lower Upper

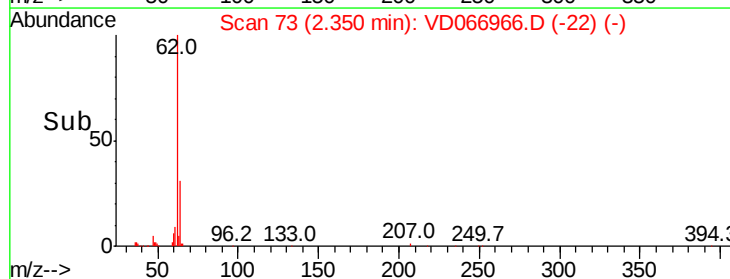
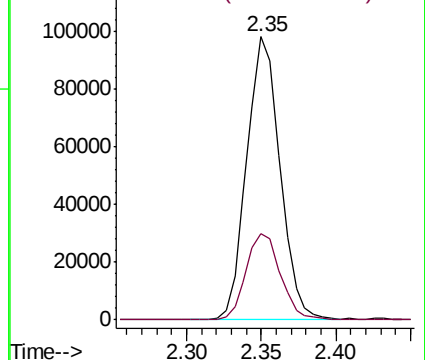
62 100

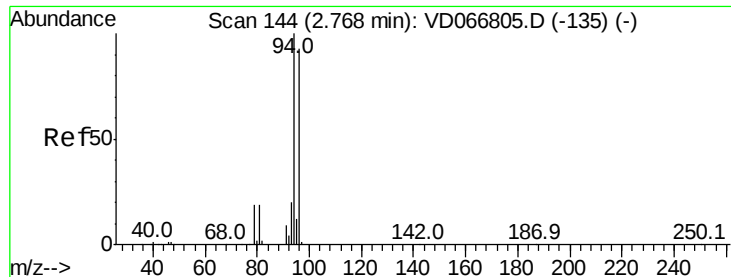
64 30.6 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.360 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

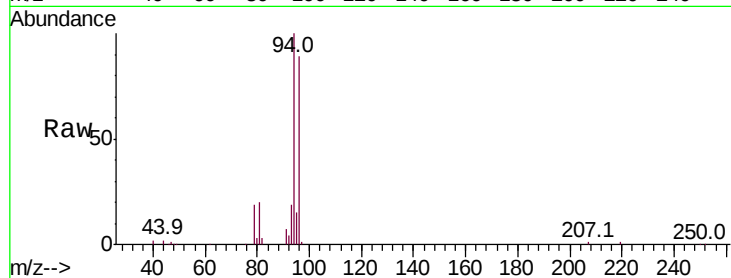
VSTDCCC050

Tot Ion: 94 Resp: 116887

Ion Ratio Lower Upper

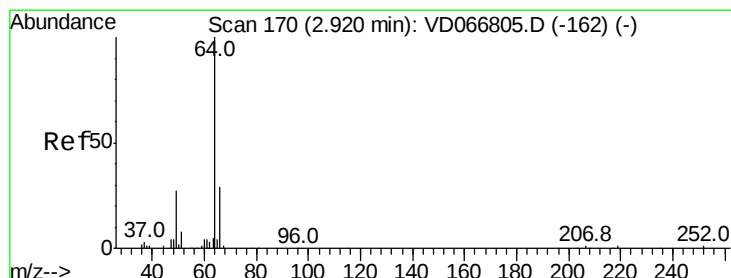
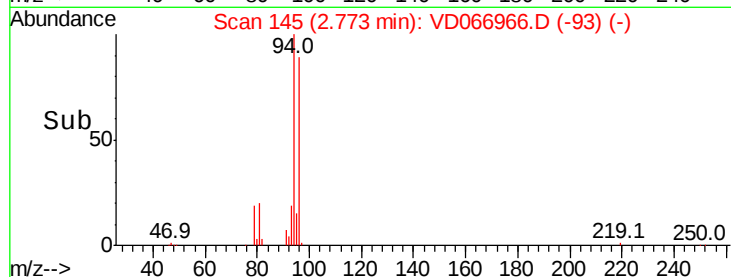
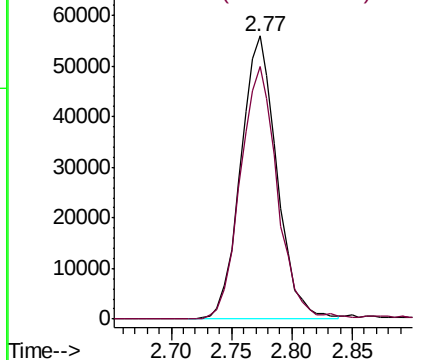
94 100

96 89.3 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 40.595 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066966.D

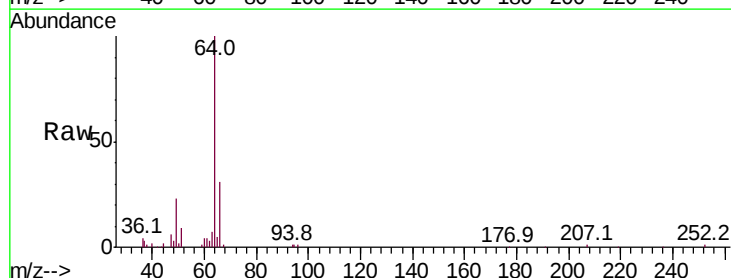
Acq: 30 Sep 2020 10:39

Tgt Ion: 64 Resp: 96686

Ion Ratio Lower Upper

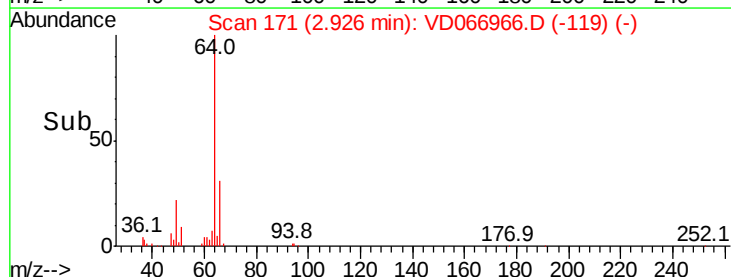
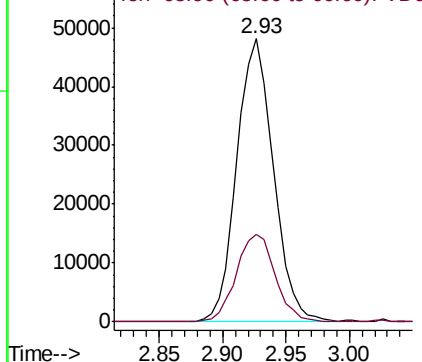
64 100

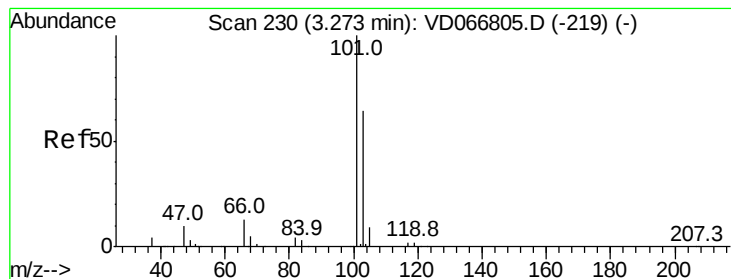
66 31.0 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



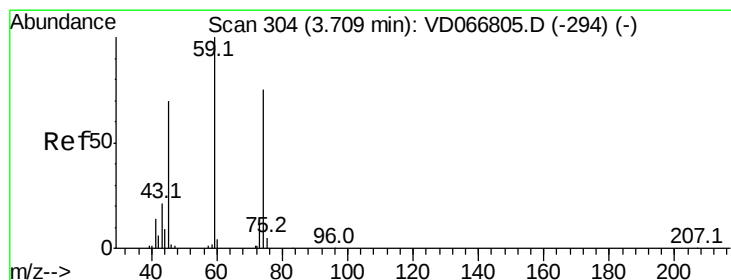
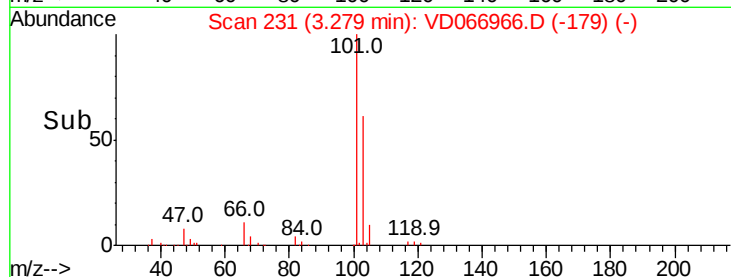
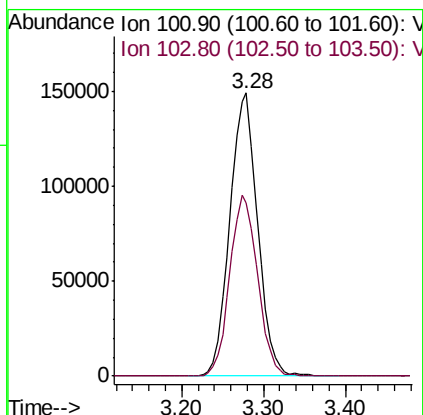
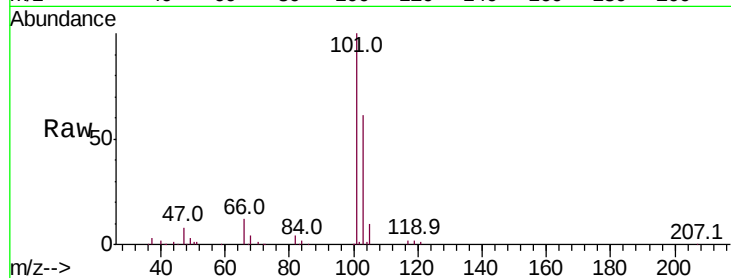


#7

Trichlorofluoromethane
 Concen: 44.814 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD066966.D
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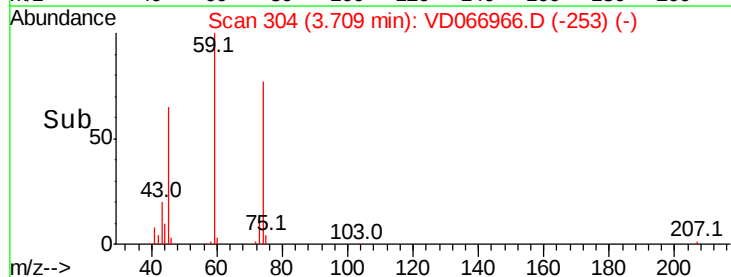
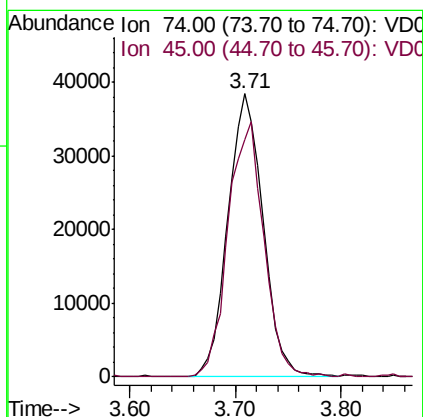
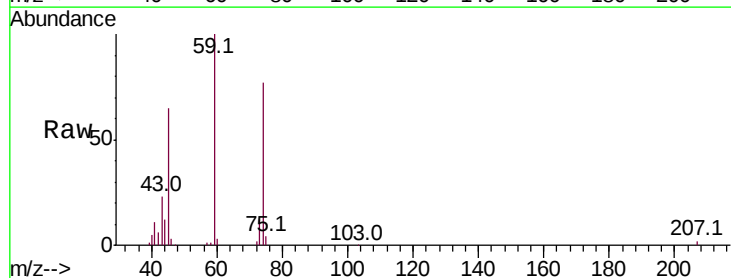
Tot Ion:101 Resp: 352988
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.0 76.6

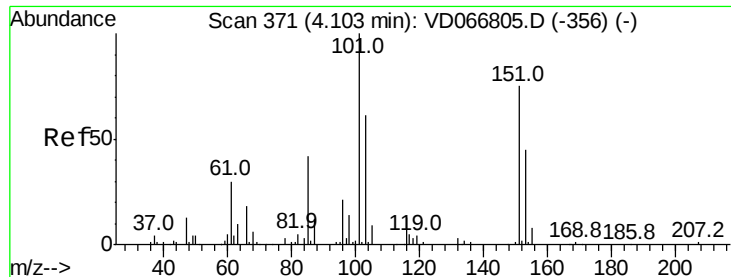


#8

Diethyl Ether
 Concen: 44.387 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066966.D
 Acq: 30 Sep 2020 10:39

Tgt Ion: 74 Resp: 88760
 Ion Ratio Lower Upper
 74 100
 45 91.6 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.746 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066966.D

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VSTDCCC050

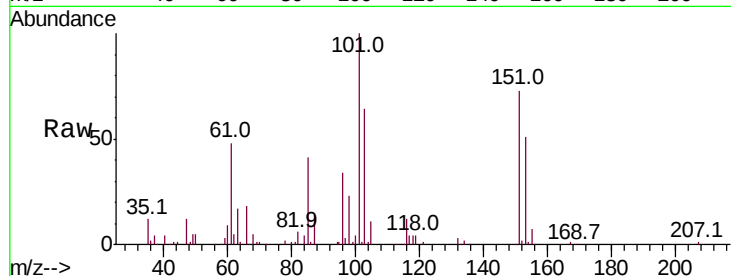
Tot Ion:101 Resp: 208939

Ion Ratio Lower Upper

101 100

85 43.9 35.4 53.2

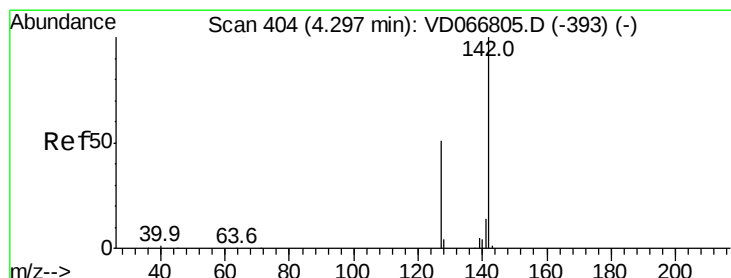
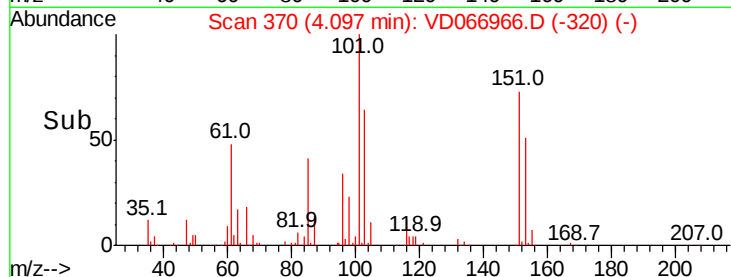
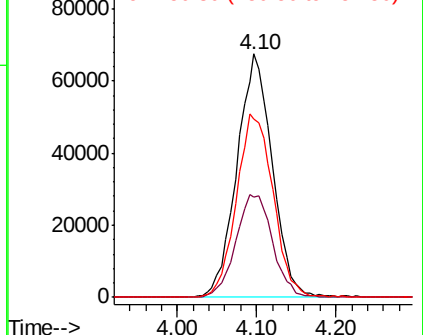
151 78.1 61.4 92.0



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: 45.629 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

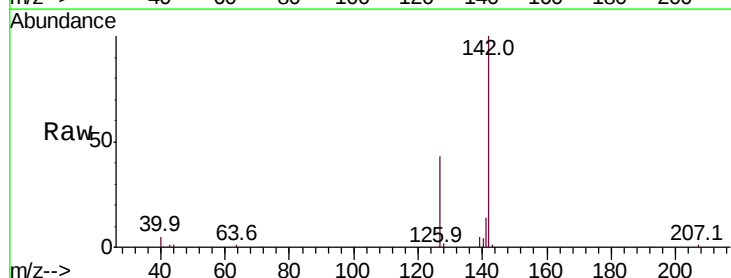
Tgt Ion:142 Resp: 183904

Ion Ratio Lower Upper

142 100

127 45.7 39.4 59.0

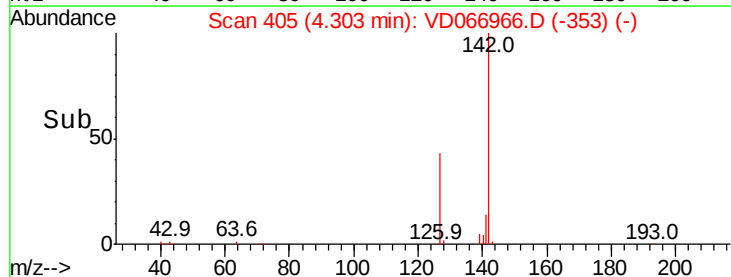
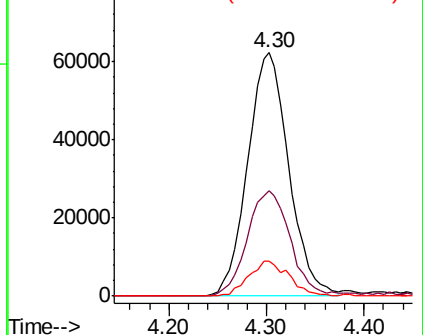
141 14.0 12.1 18.1

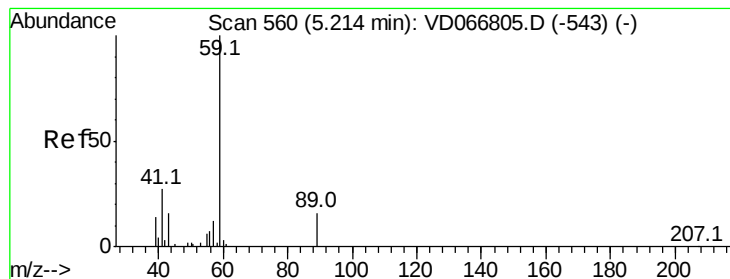


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 220.960 ug/l

RT: 5.21 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

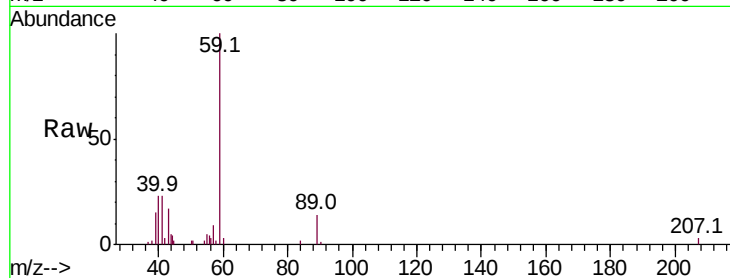
VSTDCCC050

Tot Ion: 59 Resp: 56591

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

15000

10000

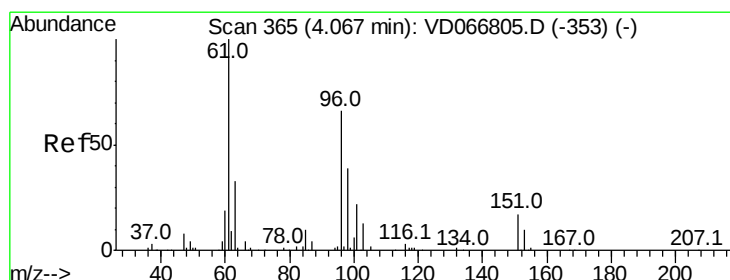
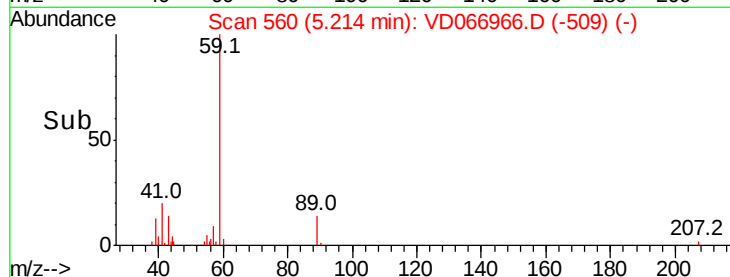
5000

0

Time-->

5.10 5.20 5.30

5.21



#12

1,1-Dichloroethene

Concen: 46.137 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

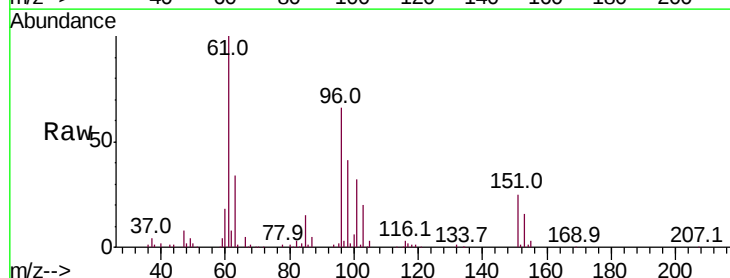
Tgt Ion: 96 Resp: 190891

Ion Ratio Lower Upper

96 100

61 151.9 120.8 181.2

98 62.6 47.7 71.5



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

100000

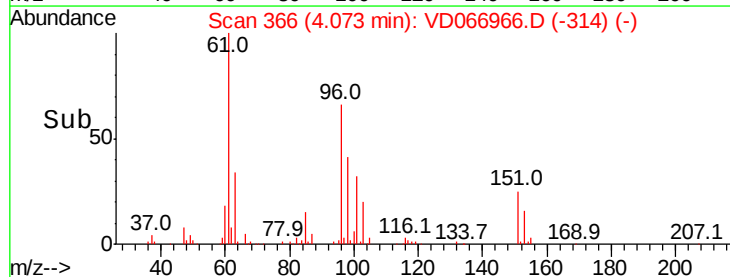
50000

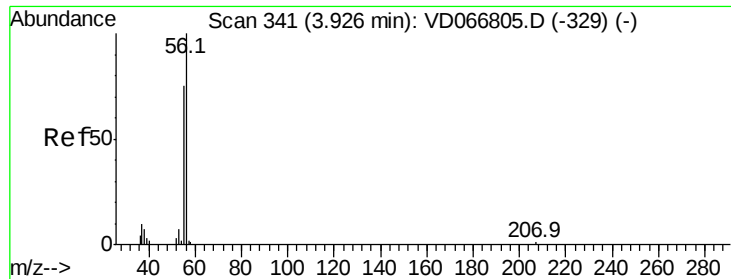
0

Time-->

3.90 4.00 4.10 4.20

4.07

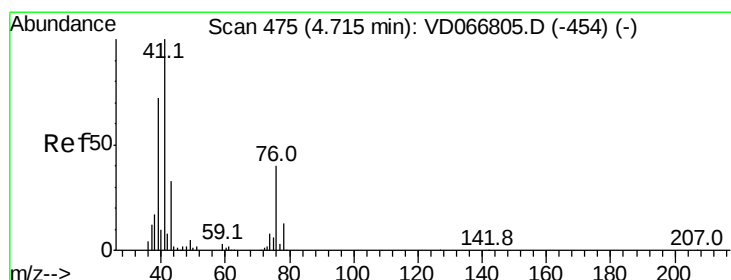
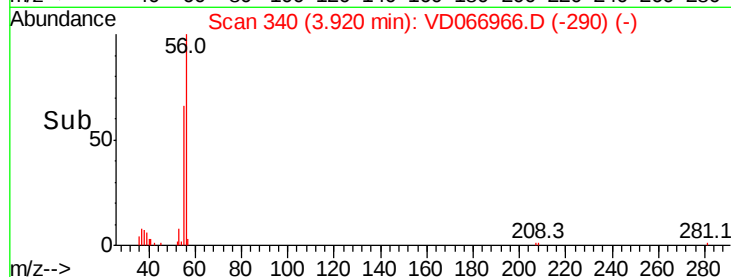
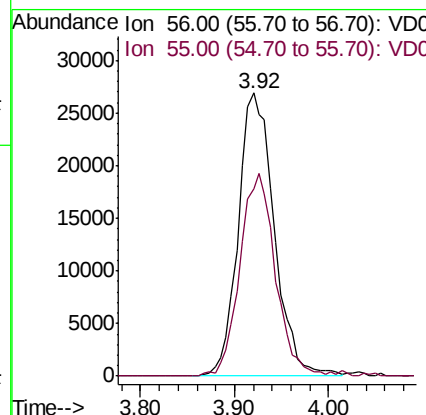
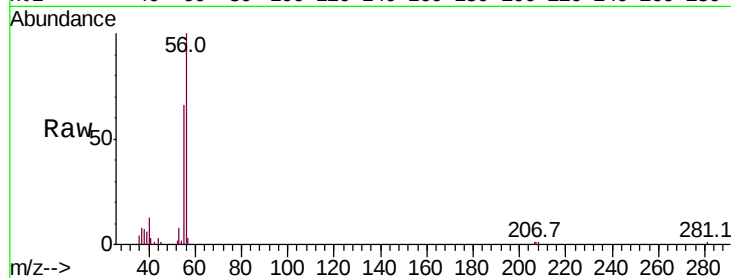




#13
Acrolein
Concen: 234.297 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

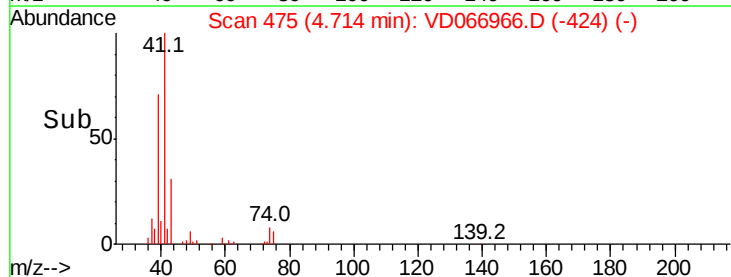
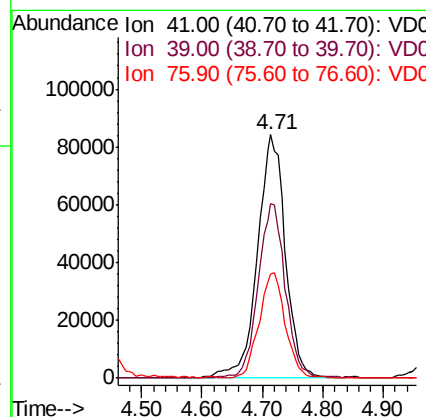
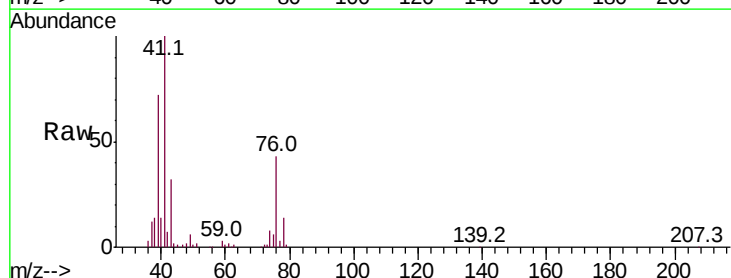
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

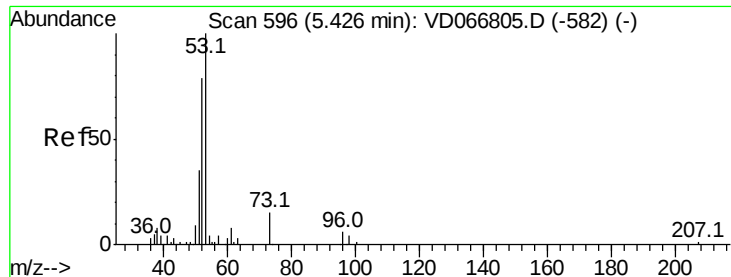
Tot Ion: 56 Resp: 71479
Ion Ratio Lower Upper
56 100
55 70.3 60.3 90.5



#14
Allyl chloride
Concen: 44.616 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion: 41 Resp: 271065
Ion Ratio Lower Upper
41 100
39 69.2 57.8 86.8
76 40.7 30.9 46.3





#15

Acrylonitrile

Concen: 216.383 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

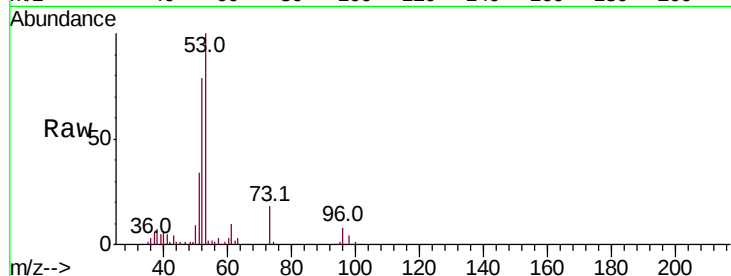
Tot Ion: 53 Resp: 191754

Ion Ratio Lower Upper

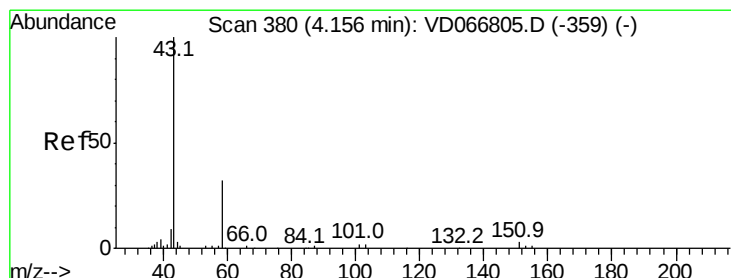
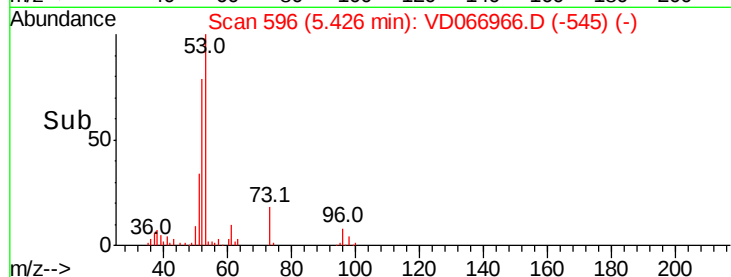
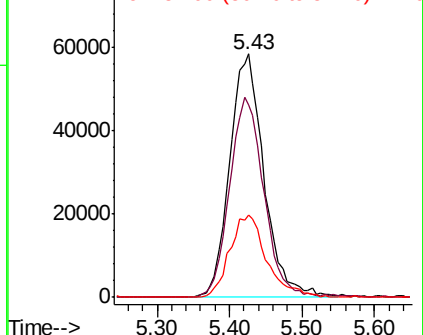
53 100

52 81.8 65.2 97.8

51 36.5 30.6 46.0



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: 178.197 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066966.D

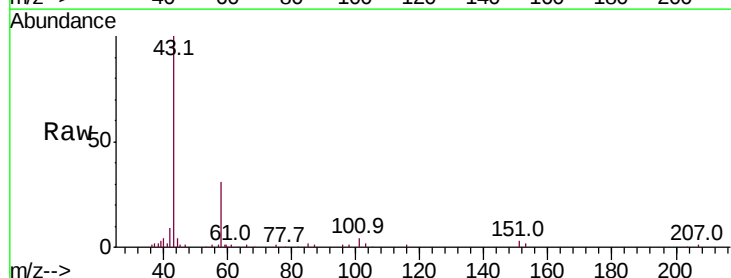
Acq: 30 Sep 2020 10:39

Tgt Ion: 43 Resp: 156331

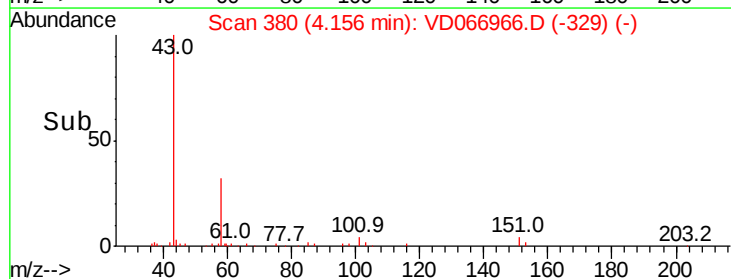
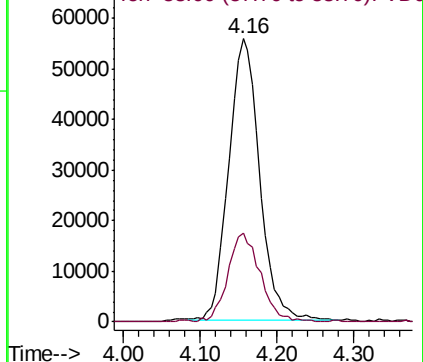
Ion Ratio Lower Upper

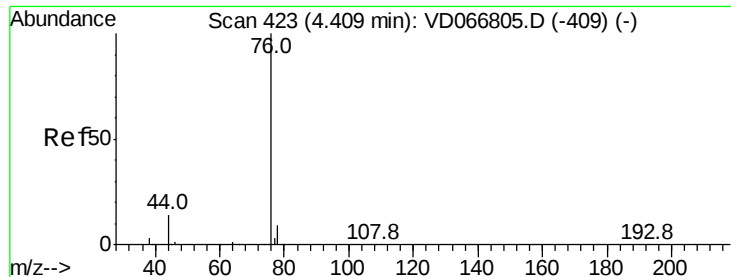
43 100

58 31.0 25.6 38.4



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

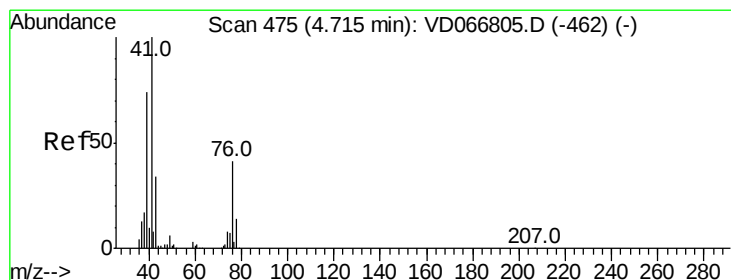
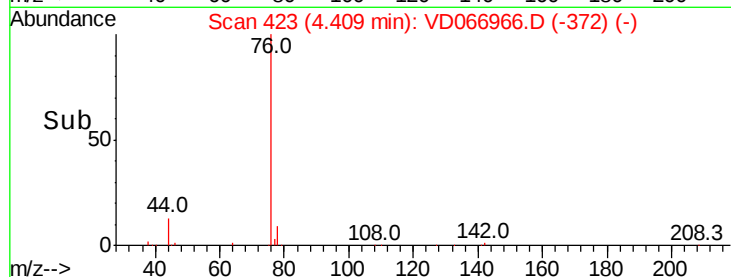
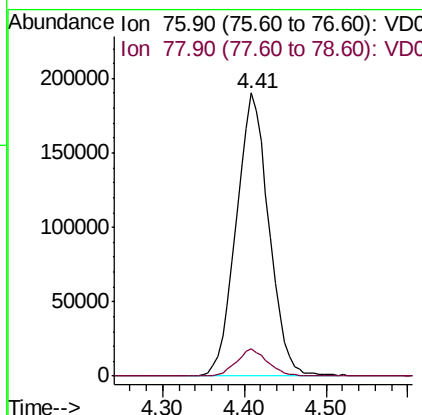
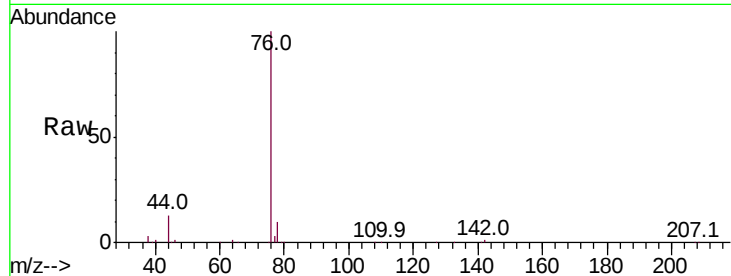




#17
Carbon Disulfide
Concen: 41.752 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

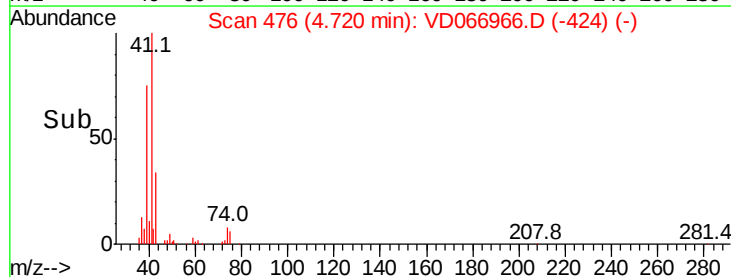
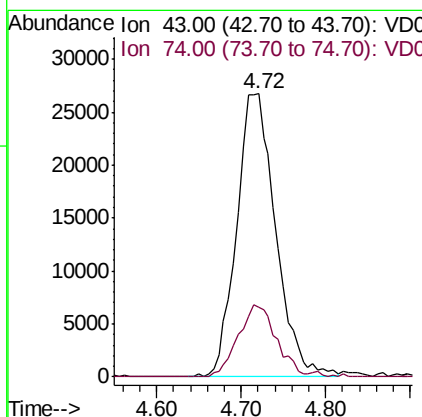
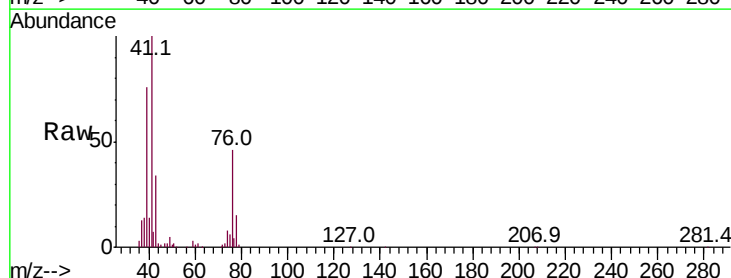
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

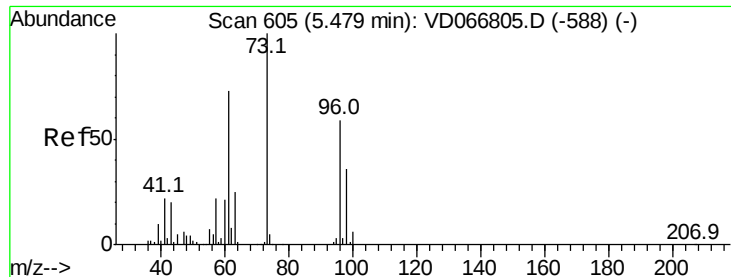
Tot Ion: 76 Resp: 528139
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4



#18
Methyl Acetate
Concen: 43.367 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion: 43 Resp: 85831
Ion Ratio Lower Upper
43 100
74 25.0 20.3 30.5

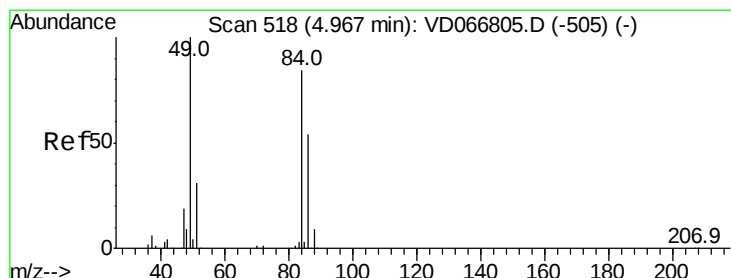
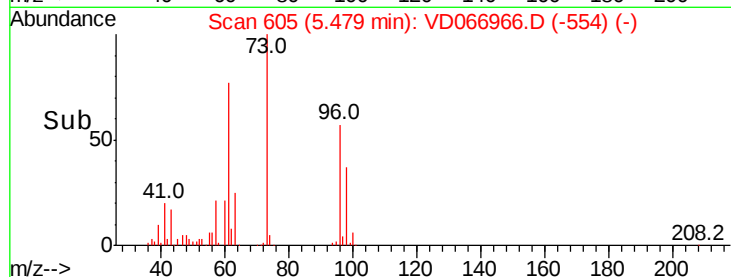
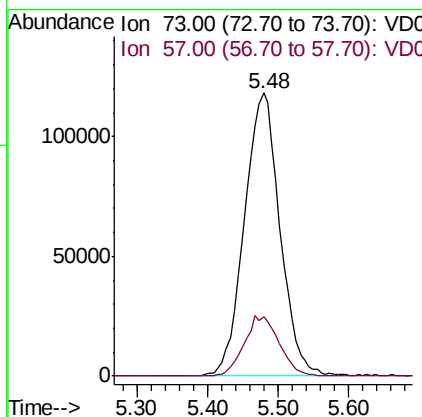
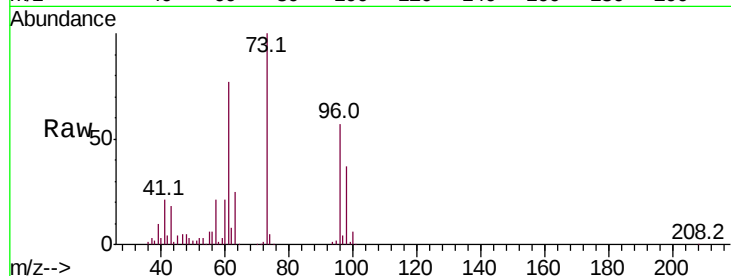




#19
Methvl tert-butvl Ether
Concen: 46.195 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

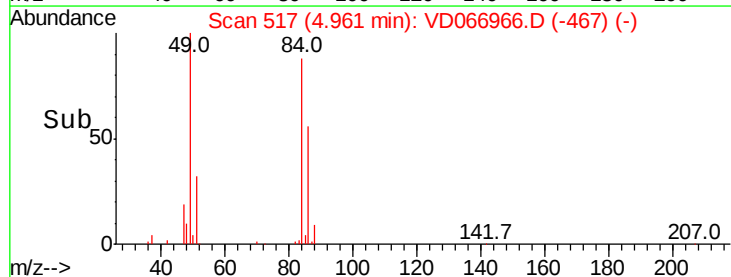
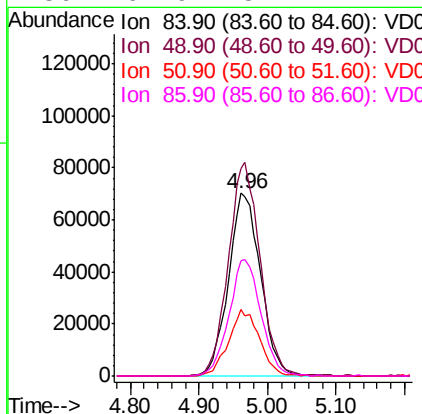
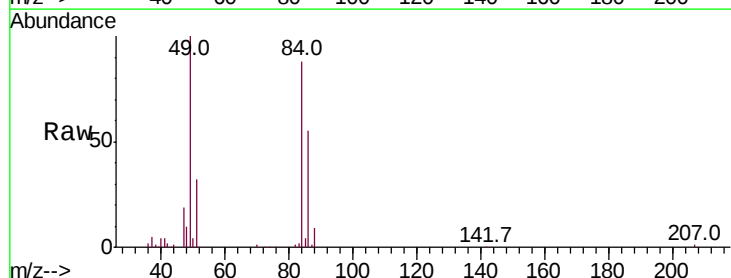
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

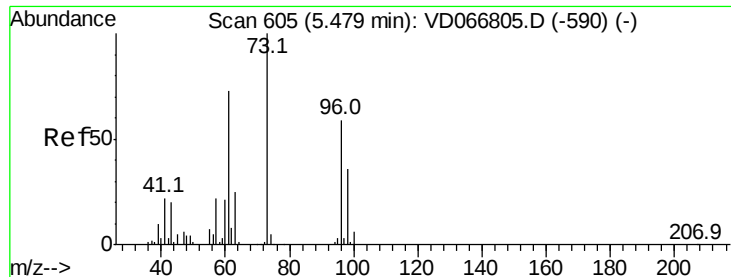
Tot Ion: 73 Resp: 415074
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.2



#20
Methylene Chloride
Concen: 47.898 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion: 84 Resp: 227942
Ion Ratio Lower Upper
84 100
49 113.6 95.4 143.2
51 36.5 29.7 44.5
86 62.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 45.843 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

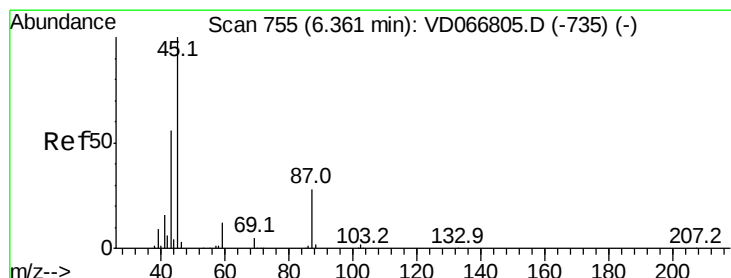
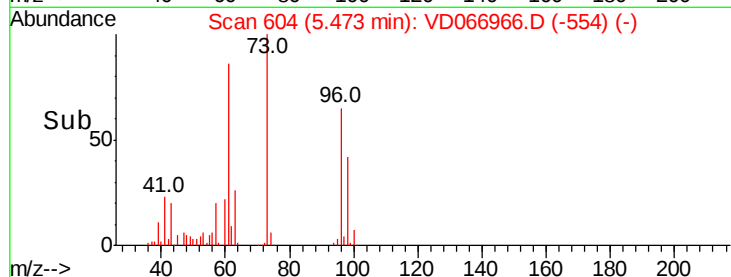
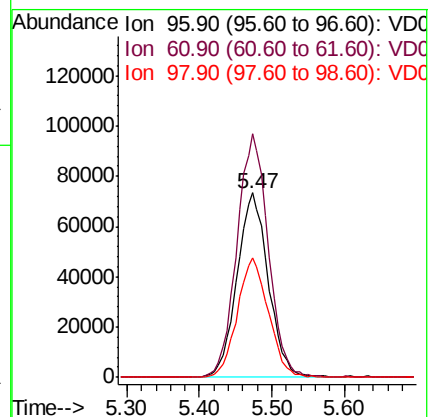
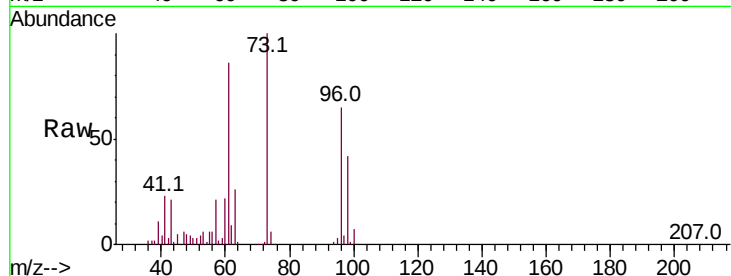
Tot Ion: 96 Resp: 219622

Ion Ratio Lower Upper

96 100

61 132.1 98.9 148.3

98 64.9 48.4 72.6



#22

Diisopropyl ether

Concen: 45.023 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Tgt Ion: 45 Resp: 562432

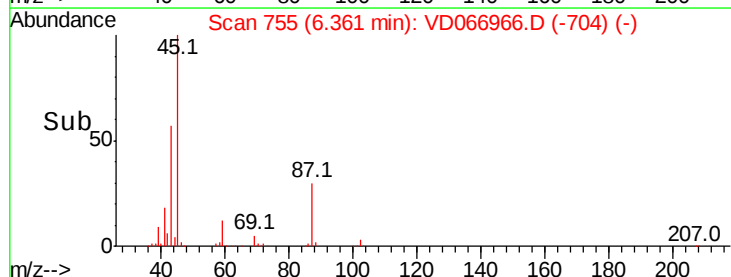
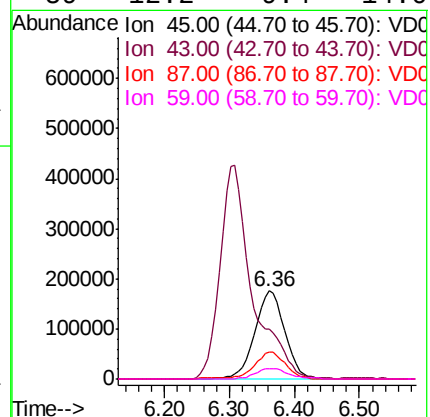
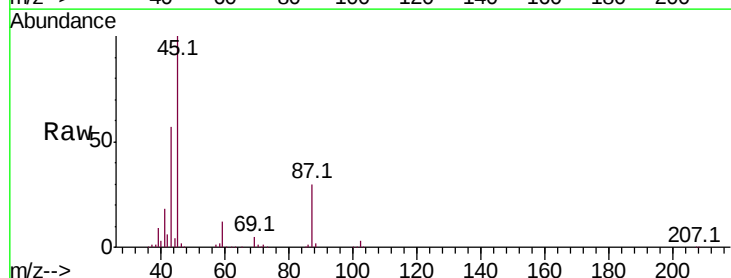
Ion Ratio Lower Upper

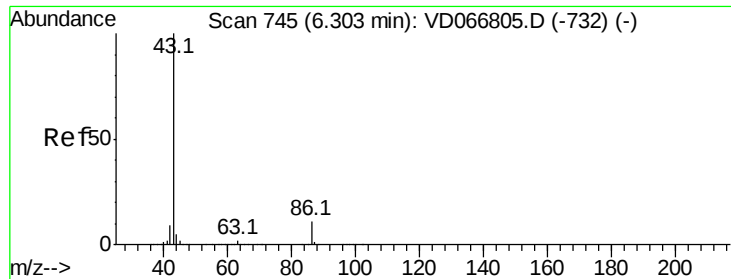
45 100

43 56.2 44.5 66.7

87 29.9 22.9 34.3

59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 215.471 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

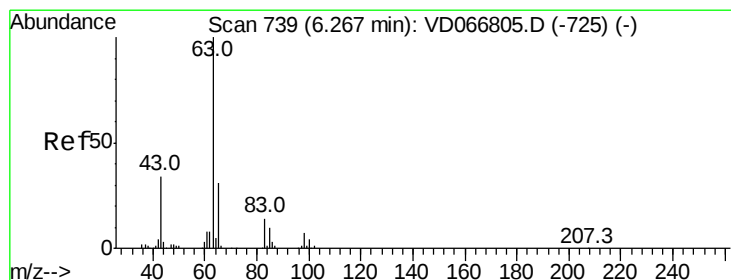
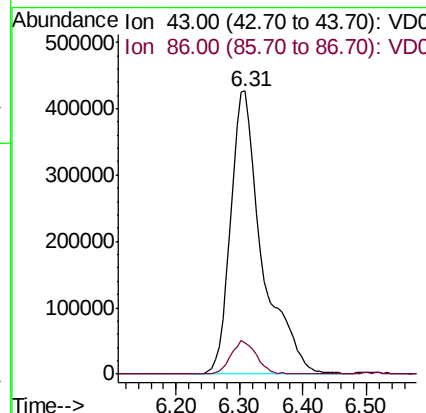
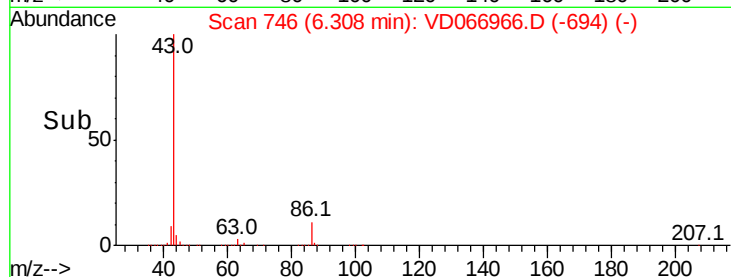
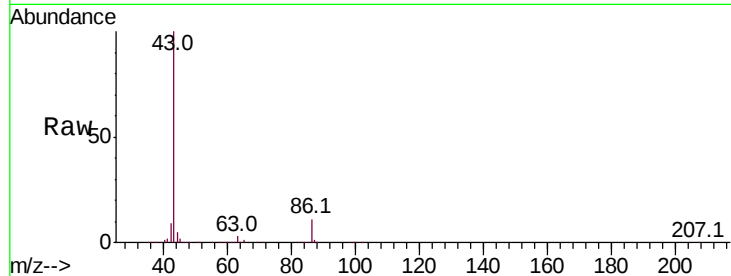
VSTDCCC050

Tot Ion: 43 Resp: 1458850

Ion Ratio Lower Upper

43 100

86 11.2 8.9 13.3



#24

1,1-Dichloroethane

Concen: 44.981 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

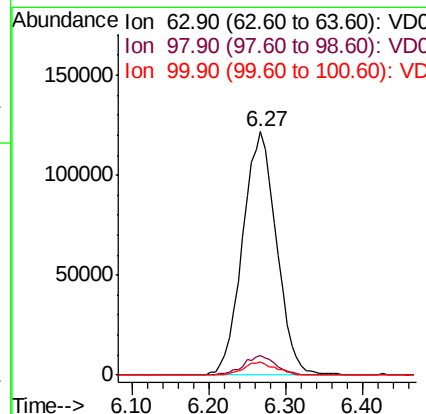
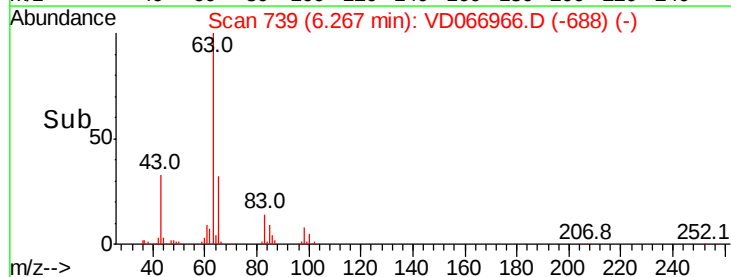
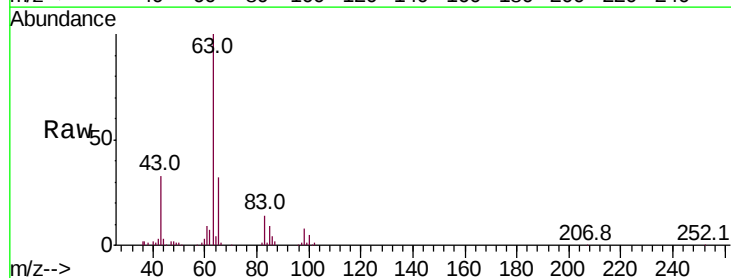
Tgt Ion: 63 Resp: 375906

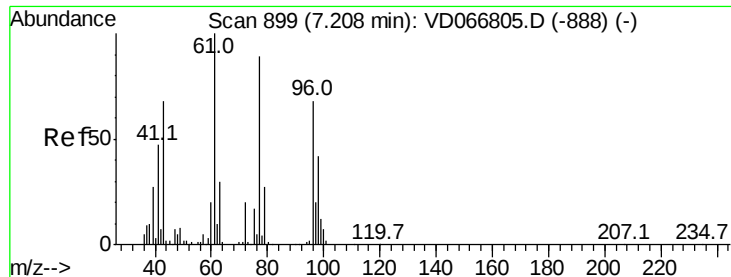
Ion Ratio Lower Upper

63 100

98 8.0 3.7 11.1

100 5.3 1.8 5.5





#25

2-Butanone

Concen: 201.658 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

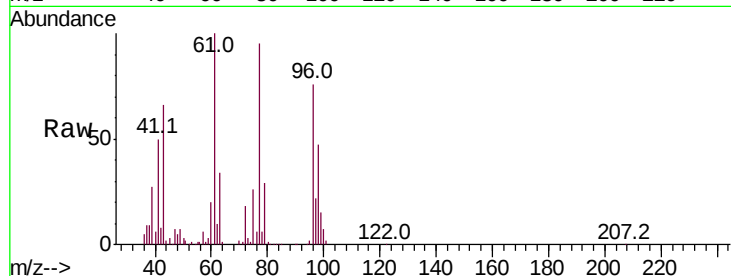
VSTDCCC050

Tot Ion: 43 Resp: 212602

Ion Ratio Lower Upper

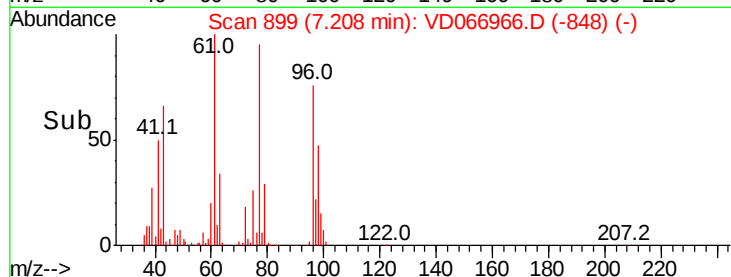
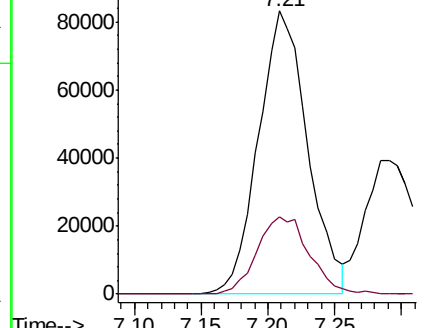
43 100

72 27.5 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.475 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066966.D

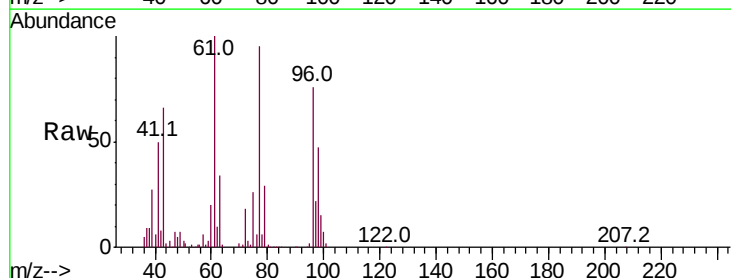
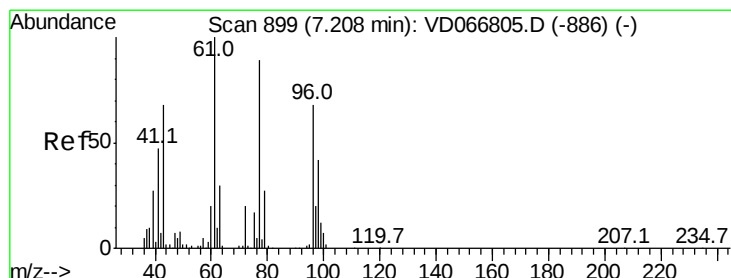
Acq: 30 Sep 2020 10:39

Tgt Ion: 77 Resp: 348322

Ion Ratio Lower Upper

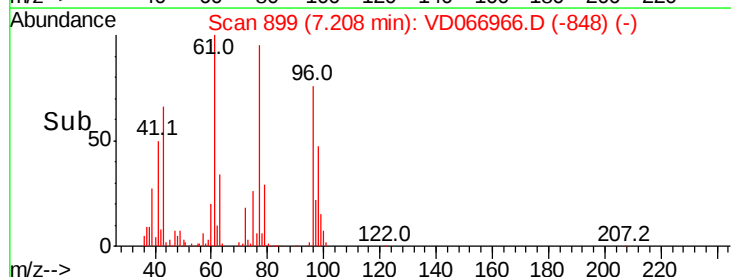
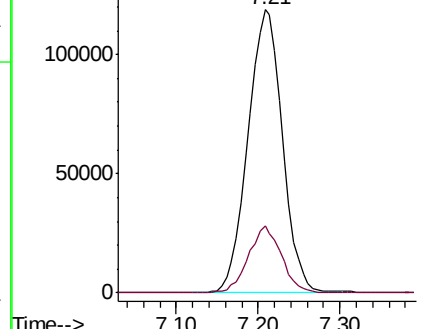
77 100

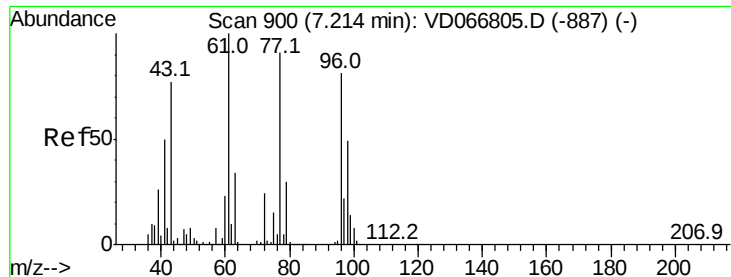
97 22.5 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 47.154 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

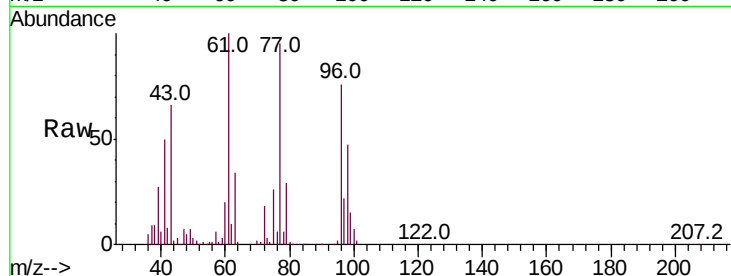
Tot Ion: 96 Resp: 245450

Ion Ratio Lower Upper

96 100

61 139.0 0.0 283.8

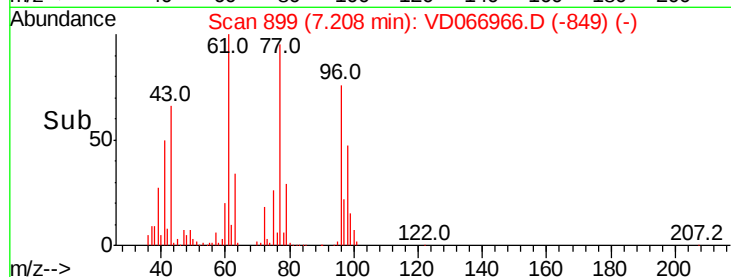
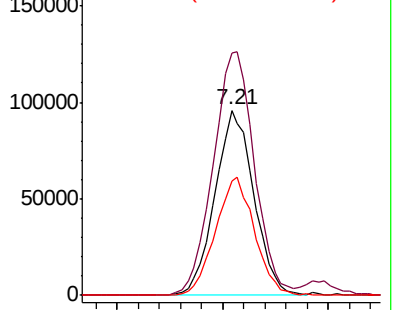
98 64.3 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 47.475 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

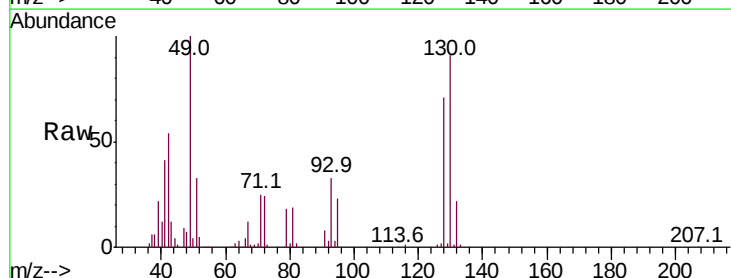
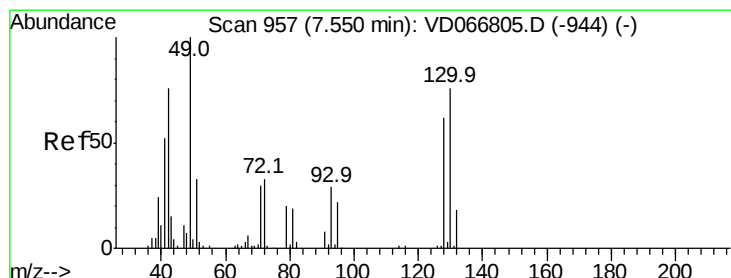
Tgt Ion: 49 Resp: 163905

Ion Ratio Lower Upper

49 100

129 2.2 0.0 2.0#

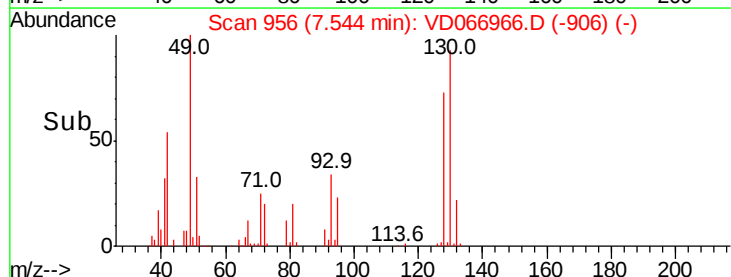
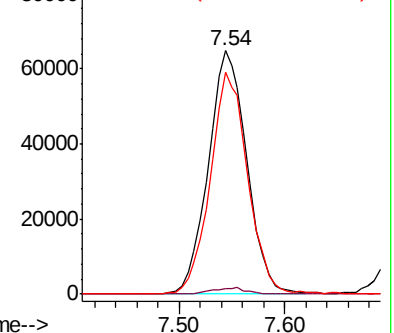
130 88.7 65.9 98.9

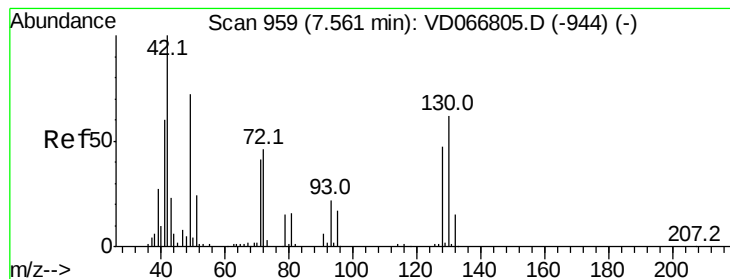


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 214.991 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

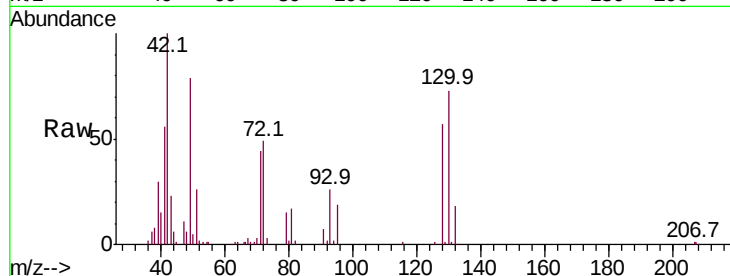
Tot Ion: 42 Resp: 145232

Ion Ratio Lower Upper

42 100

72 47.3 36.2 54.4

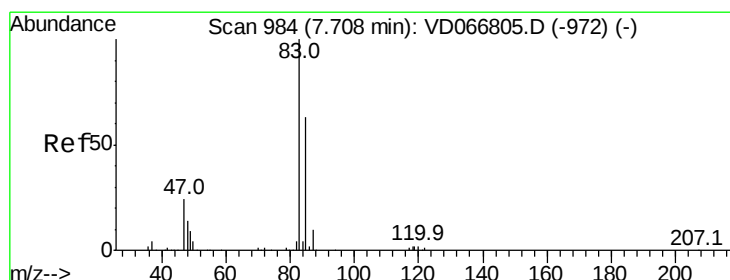
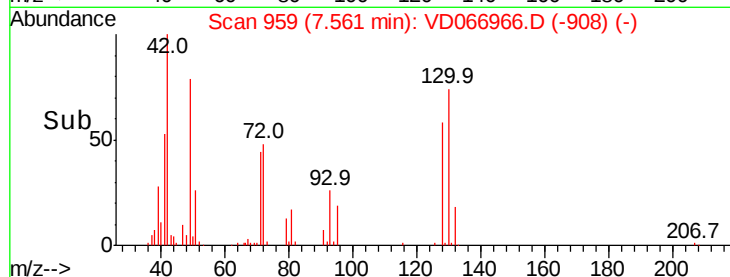
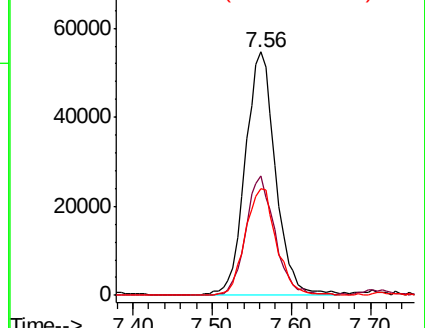
71 45.0 32.4 48.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 44.560 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD066966.D

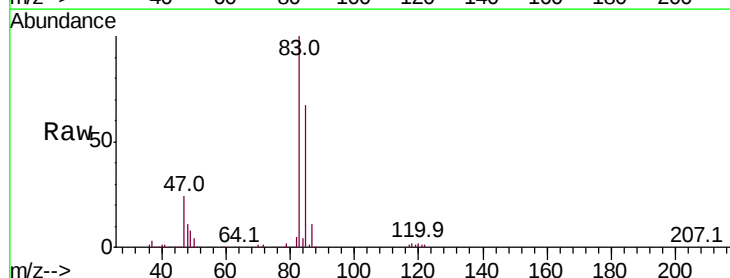
Acq: 30 Sep 2020 10:39

Tgt Ion: 83 Resp: 401408

Ion Ratio Lower Upper

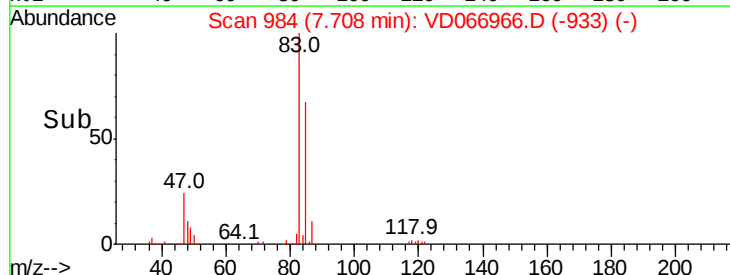
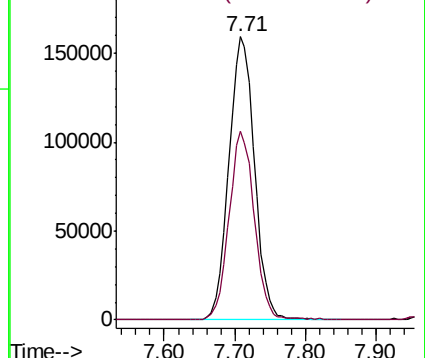
83 100

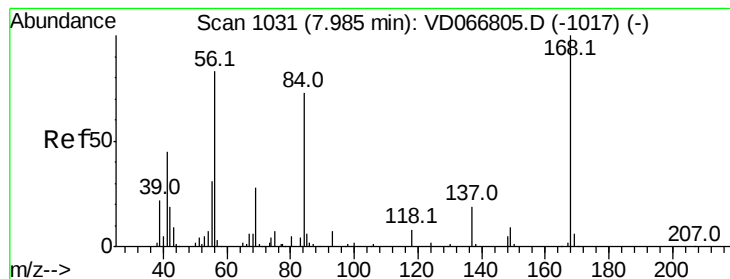
85 66.5 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 42.803 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

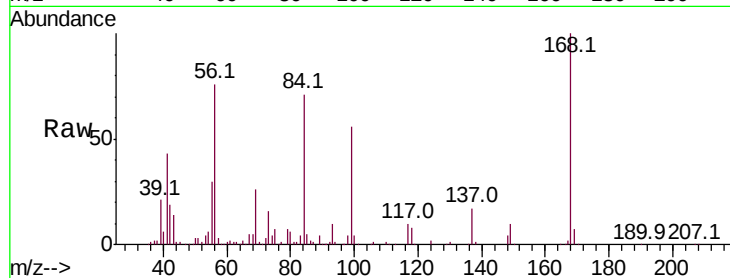
Tot Ion: 56 Resp: 321857

Ion Ratio Lower Upper

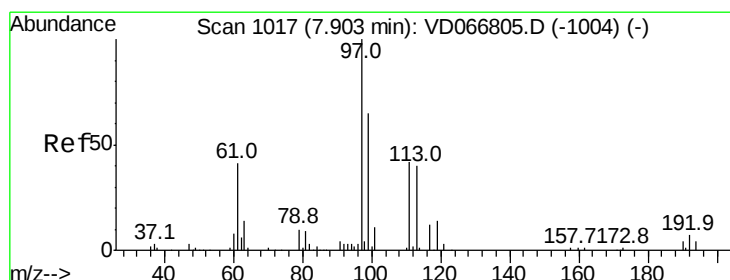
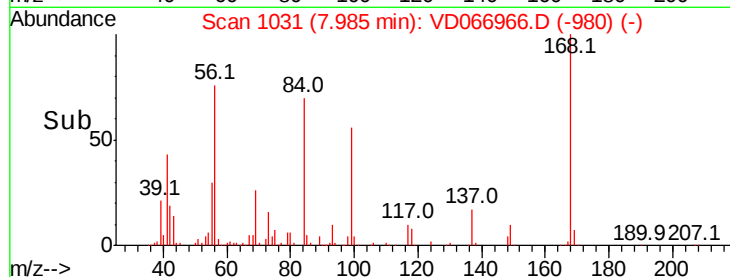
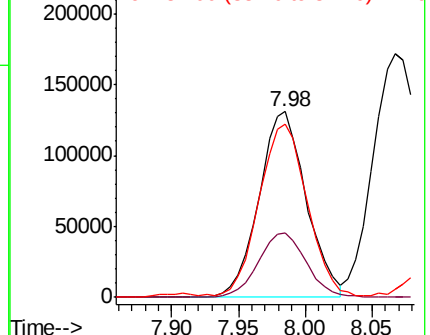
56 100

69 34.3 27.0 40.4

84 91.5 70.2 105.4



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



#32

1,1,1-Trichloroethane

Concen: 45.844 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

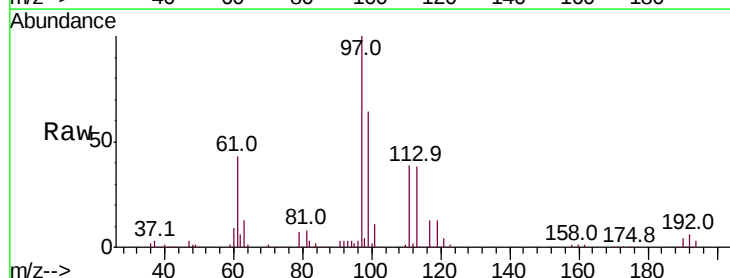
Tgt Ion: 97 Resp: 373586

Ion Ratio Lower Upper

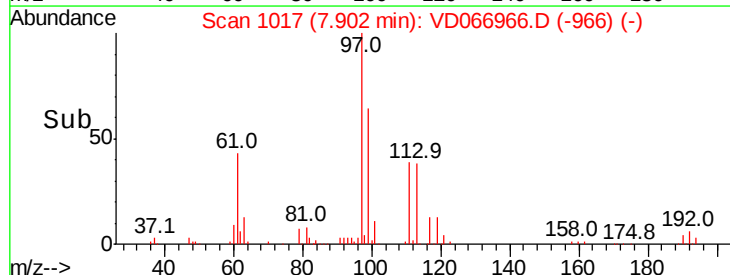
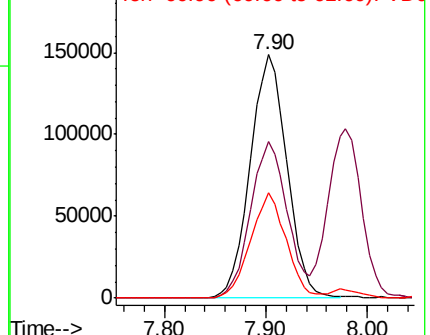
97 100

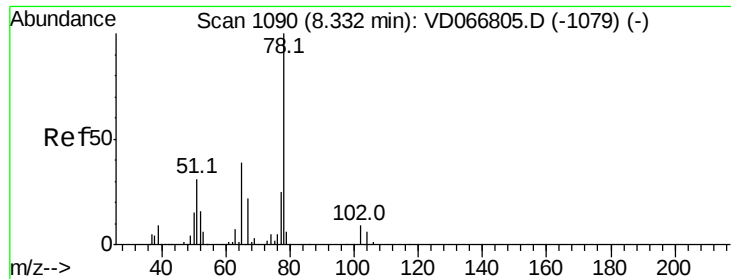
99 65.0 51.5 77.3

61 42.3 34.2 51.4



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





#33

1,2-Dichloroethane-d4

Concen: 40.394 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

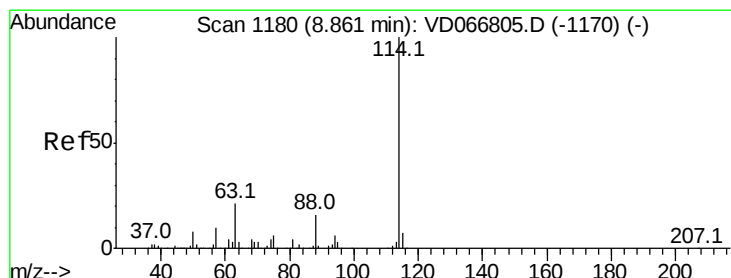
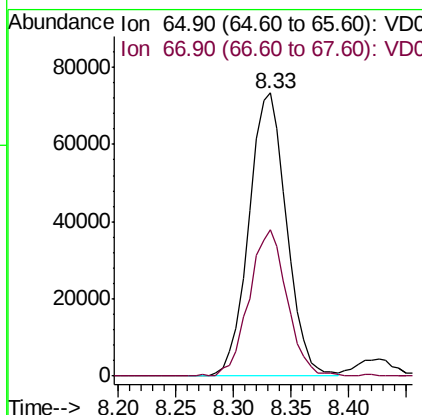
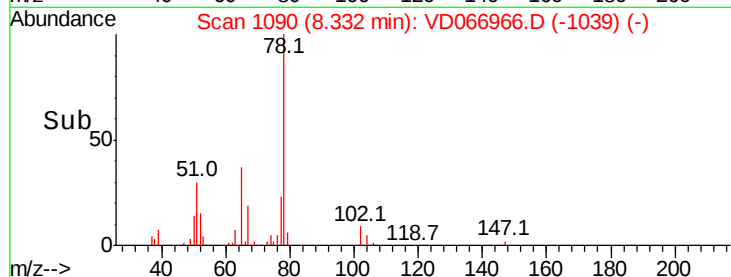
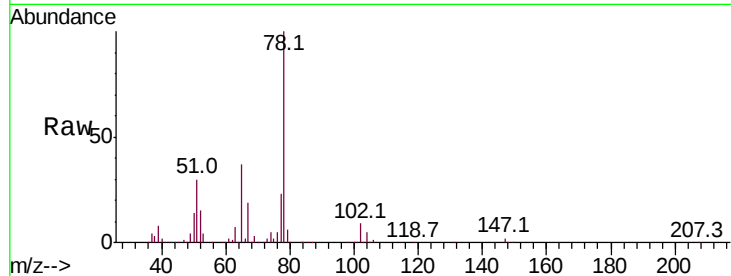
VSTDCCC050

Tot Ion: 65 Resp: 167050

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

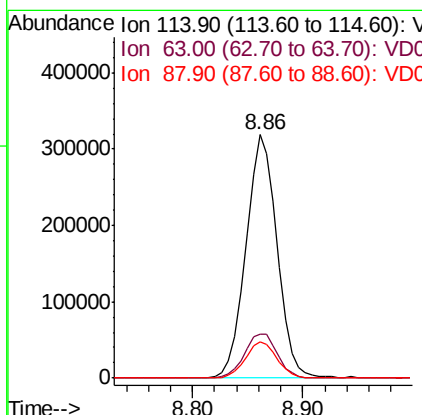
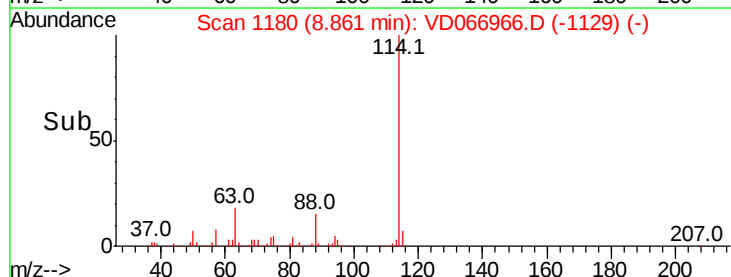
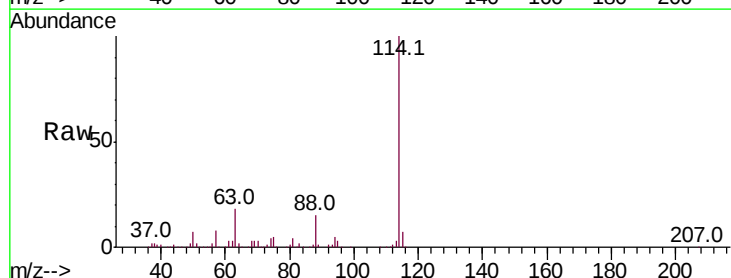
Tgt Ion: 114 Resp: 630687

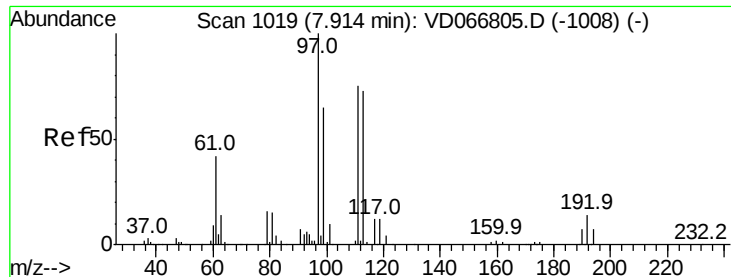
Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.6

88 15.0 0.0 32.6

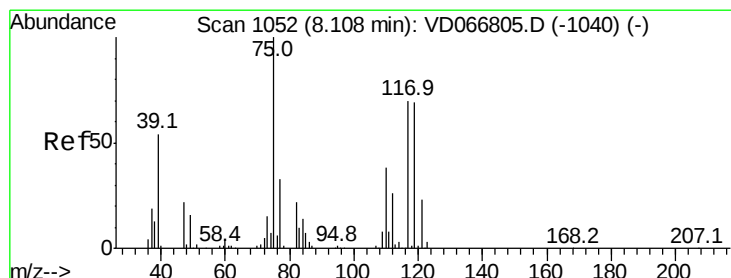
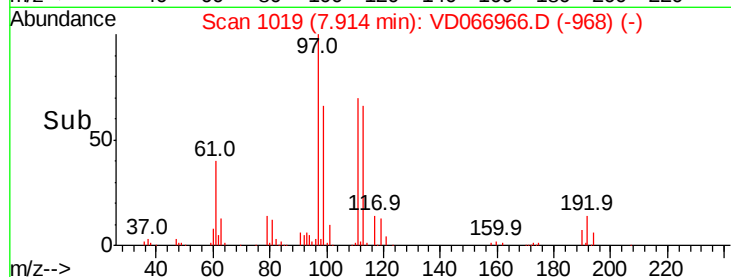
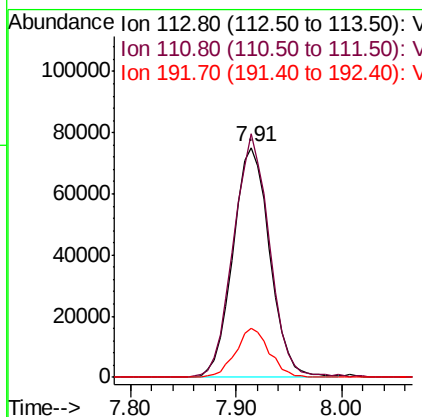
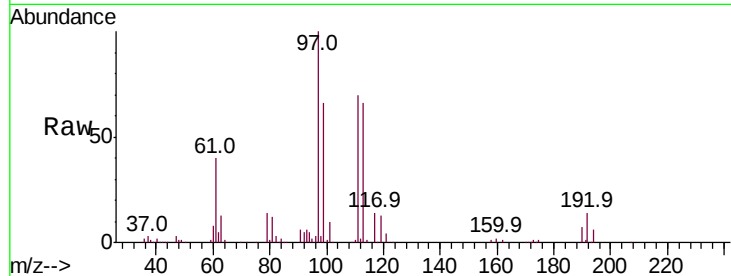




#35
Dibromofluoromethane
Concen: 45.283 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

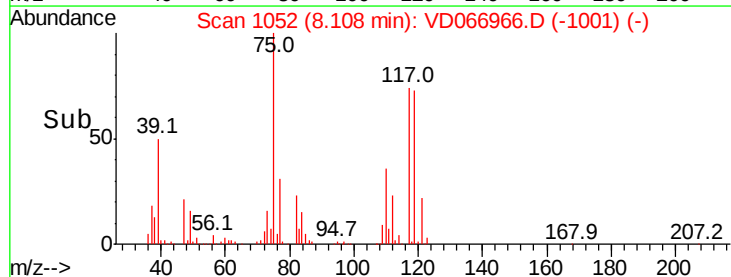
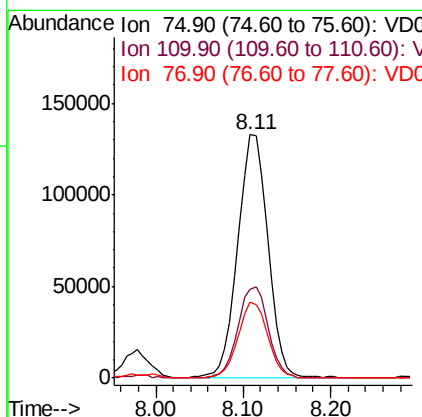
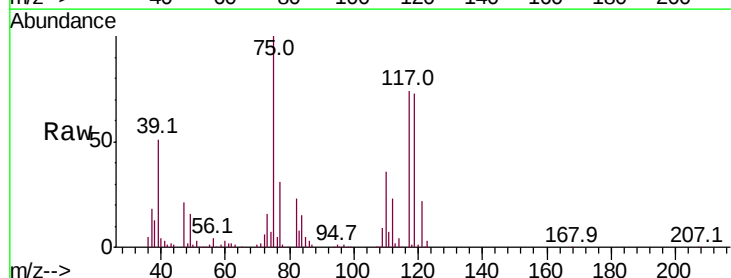
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

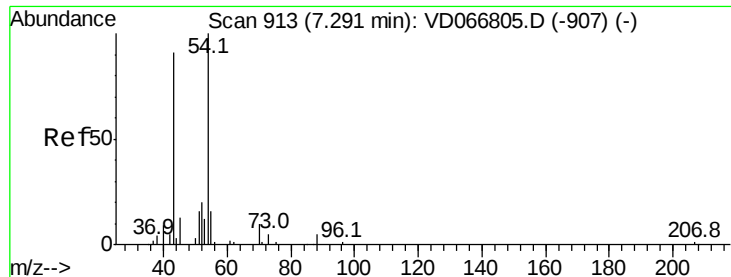
Tot Ion:113 Resp: 181695
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.8
192 19.6 14.4 21.6



#36
1,1-Dichloropropene
Concen: 49.653 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion: 75 Resp: 310675
Ion Ratio Lower Upper
75 100
110 37.5 17.9 53.8
77 30.8 25.0 37.6

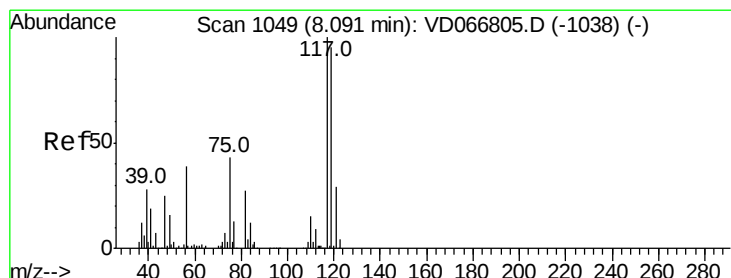
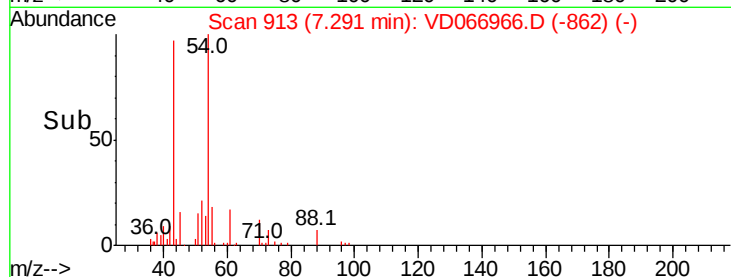
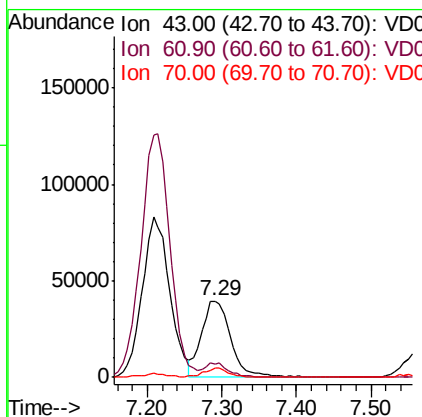
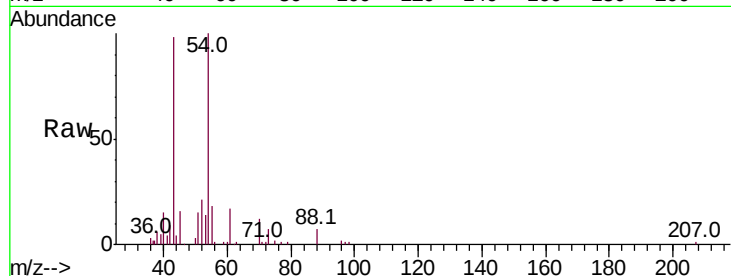




#37
Ethyl Acetate
Concen: 46.987 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

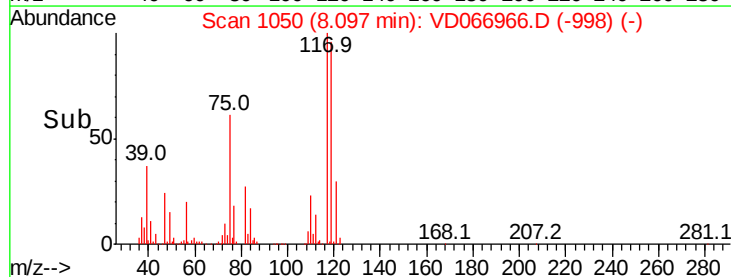
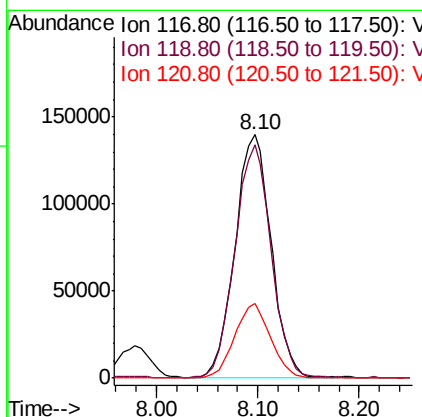
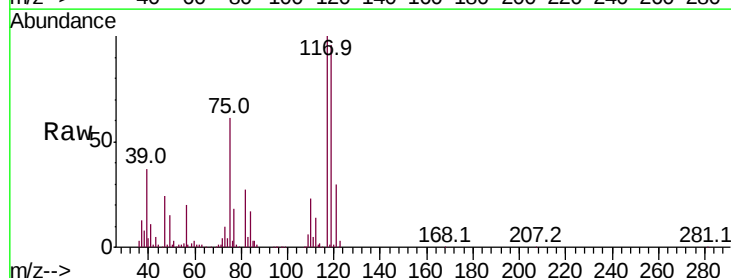
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

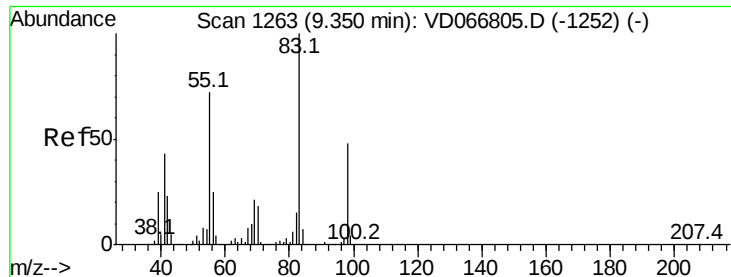
Tot Ion: 43 Resp: 106281
Ion Ratio Lower Upper
43 100
61 15.7 9.8 14.8#
70 10.8 8.5 12.7



#38
Carbon Tetrachloride
Concen: 50.358 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion: 117 Resp: 344480
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.8
121 30.5 23.4 35.0

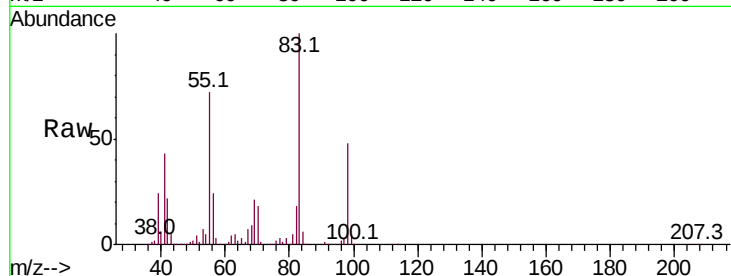




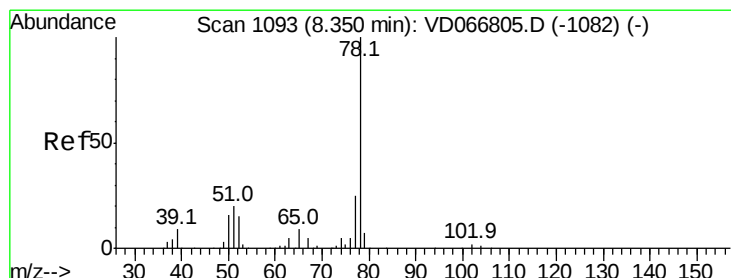
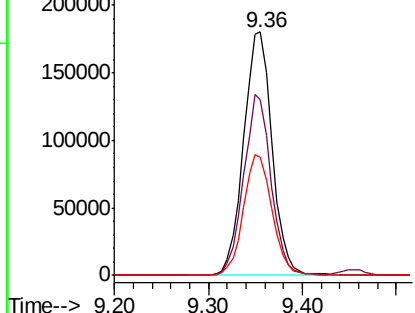
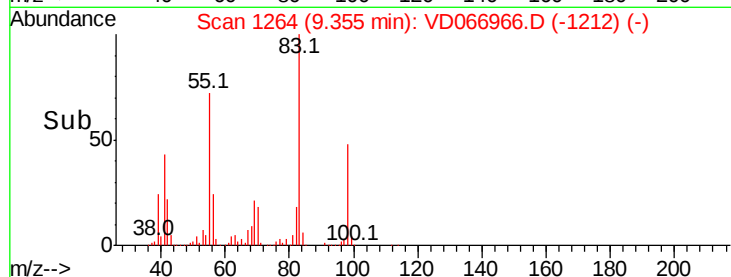
#39
Methvlcvclohexane
Concen: 52.678 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 378434
Ion Ratio Lower Upper
83 100
55 72.2 57.7 86.5
98 48.4 38.4 57.6

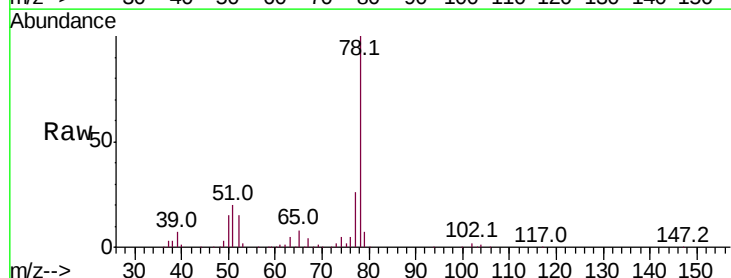


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

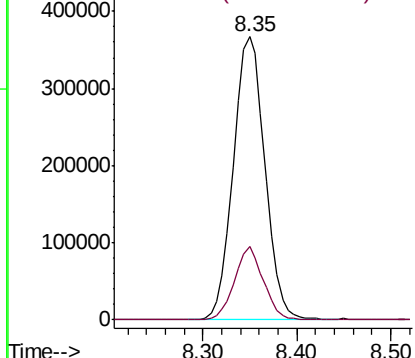
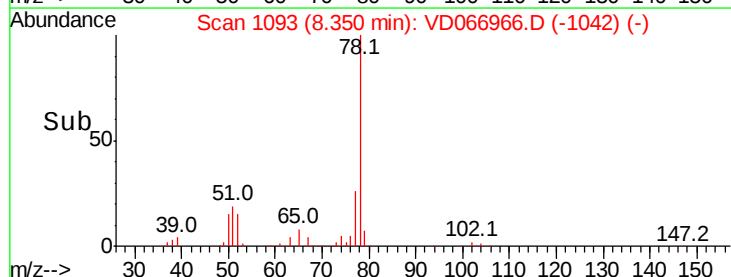


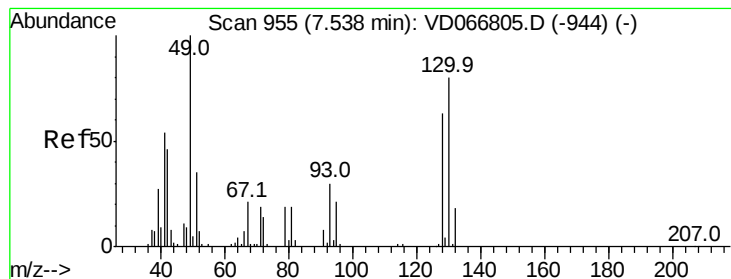
#40
Benzene
Concen: 49.072 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion: 78 Resp: 855709
Ion Ratio Lower Upper
78 100
77 25.7 19.9 29.9



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





#41

Methacrylonitrile

Concen: 102.184 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.02 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 142139

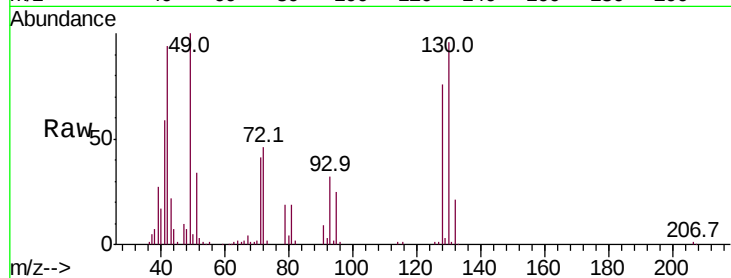
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

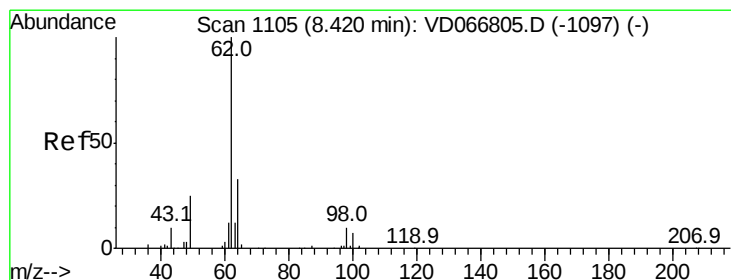
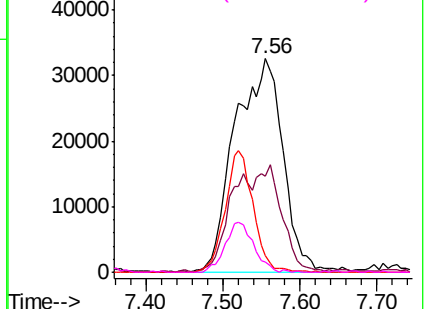
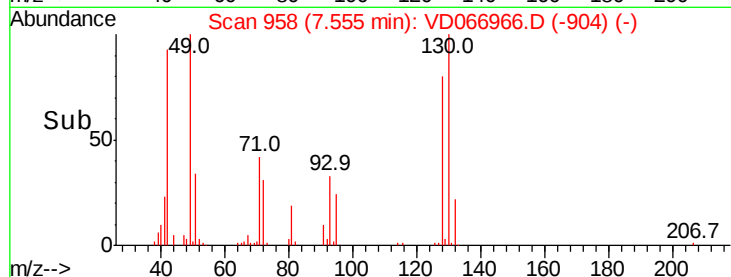


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 46.052 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VD066966.D

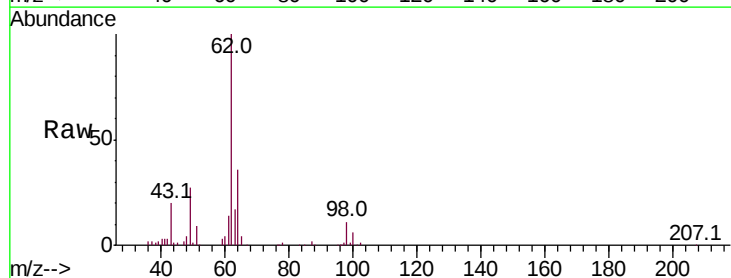
Acq: 30 Sep 2020 10:39

Tgt Ion: 62 Resp: 237405

Ion Ratio Lower Upper

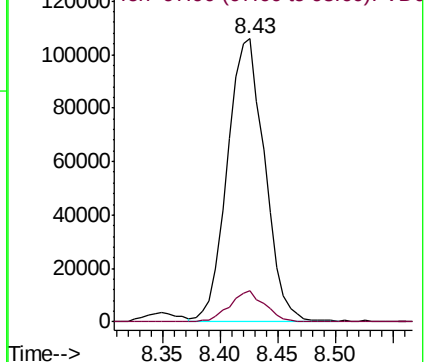
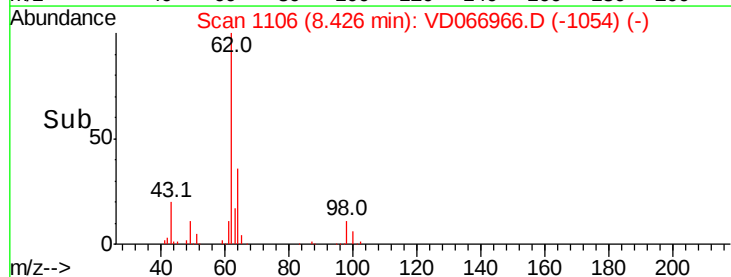
62 100

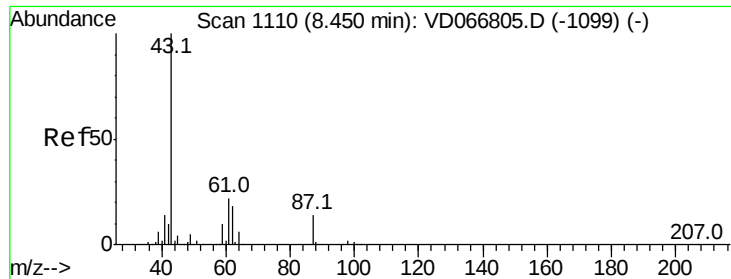
98 10.4 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 45.801 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

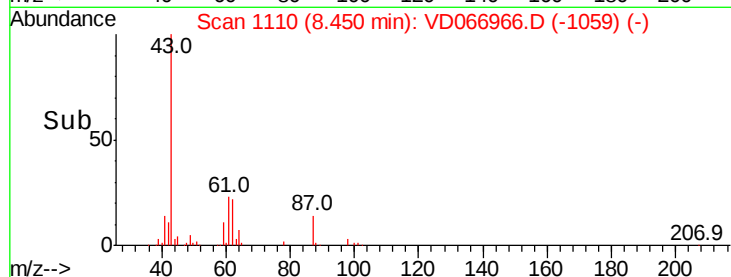
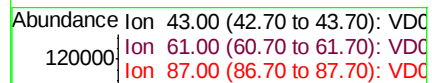
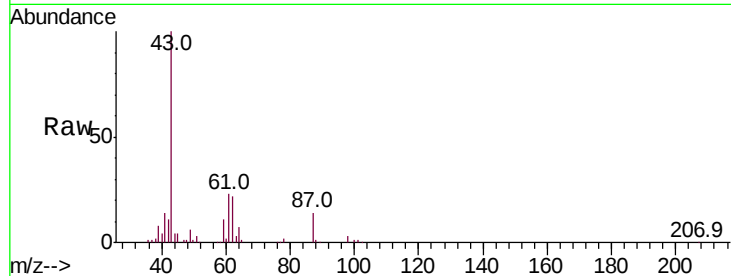
Tot Ion: 43 Resp: 199732

Ion Ratio Lower Upper

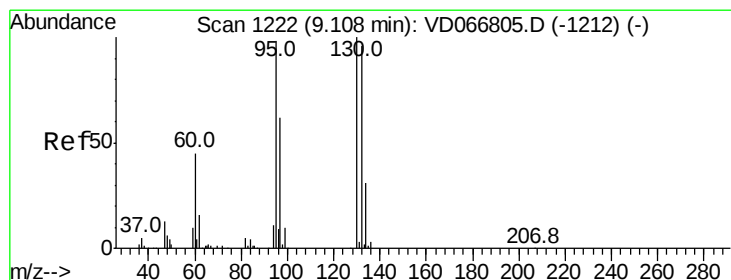
43 100

61 33.0 26.2 39.4

87 14.2 11.5 17.3



Time-->



#44

Trichloroethene

Concen: 51.071 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066966.D

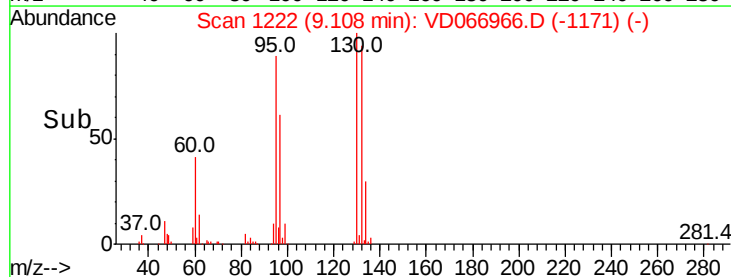
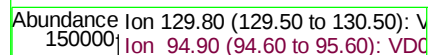
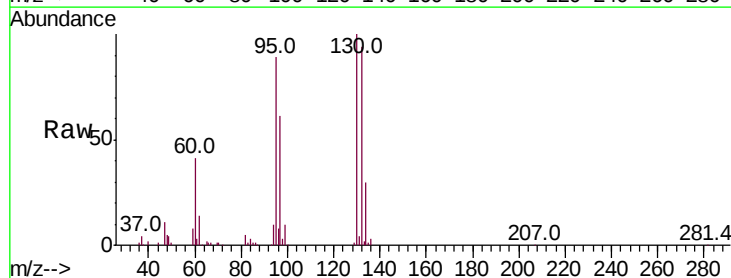
Acq: 30 Sep 2020 10:39

Tgt Ion: 130 Resp: 253843

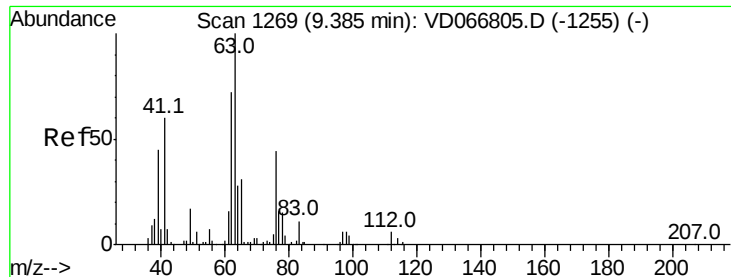
Ion Ratio Lower Upper

130 100

95 89.1 0.0 197.0



Time-->



#45

1,2-Dichloropropane

Concen: 46.722 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

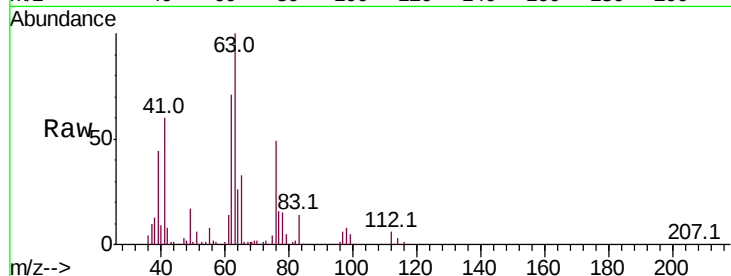
VSTDCCC050

Tot Ion: 63 Resp: 204989

Ion Ratio Lower Upper

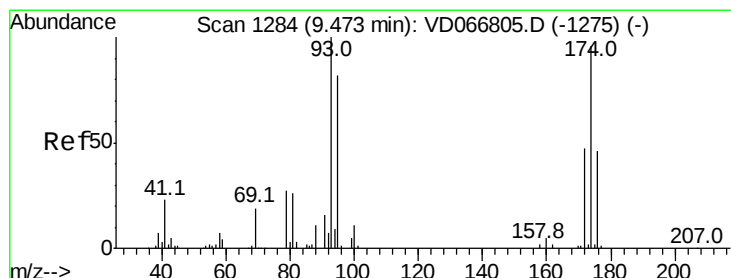
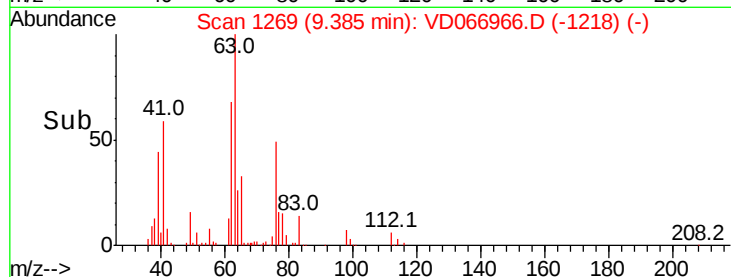
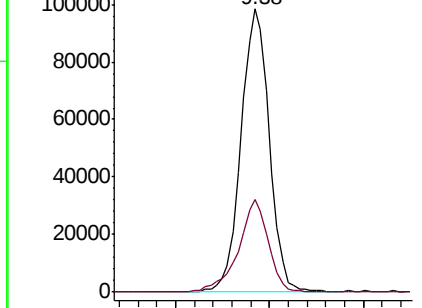
63 100

65 32.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.286 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

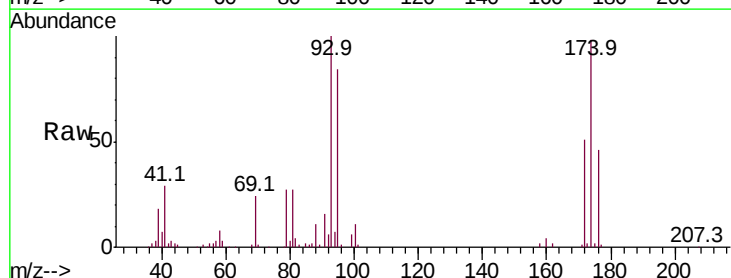
Tgt Ion: 93 Resp: 115104

Ion Ratio Lower Upper

93 100

95 86.6 65.3 97.9

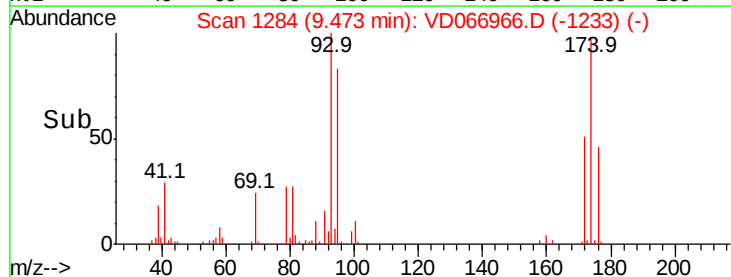
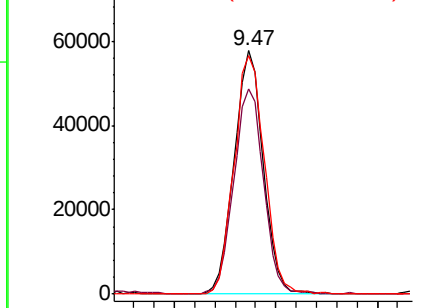
174 101.9 75.4 113.2

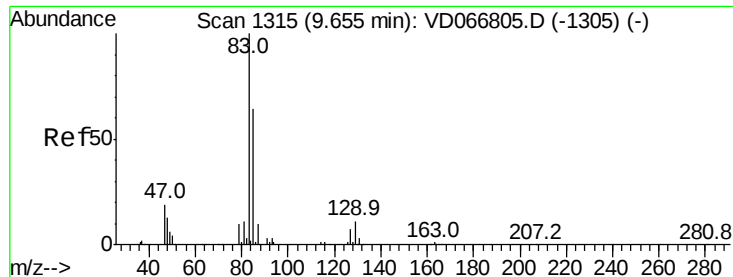


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.072 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

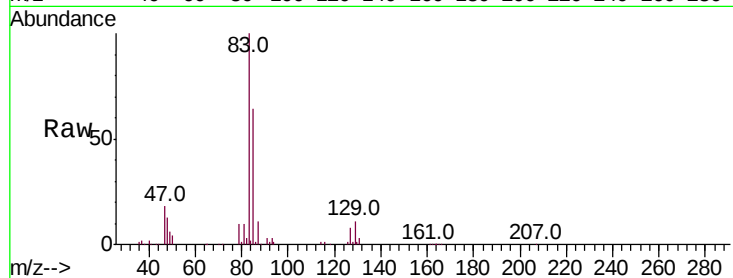
Tot Ion: 83 Resp: 307835

Ion Ratio Lower Upper

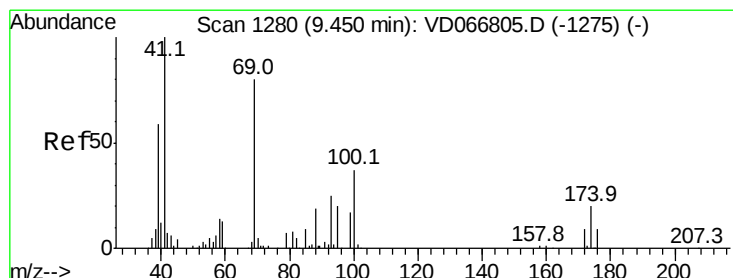
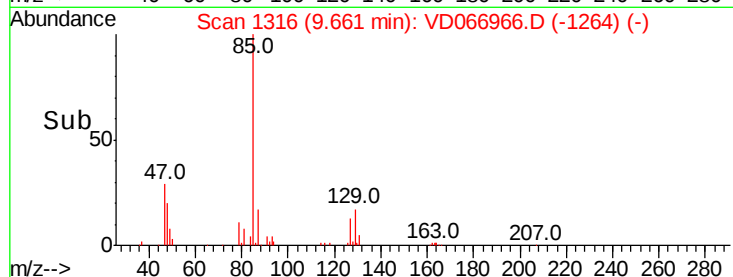
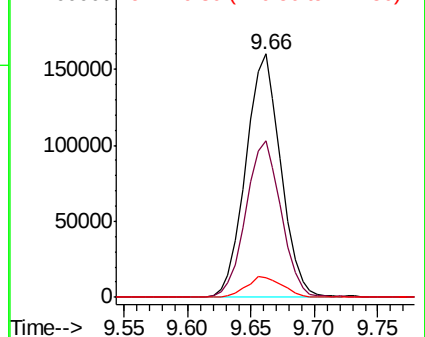
83 100

85 64.1 50.9 76.3

127 8.3 5.9 8.9



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



#48

Methyl methacrylate

Concen: 43.453 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

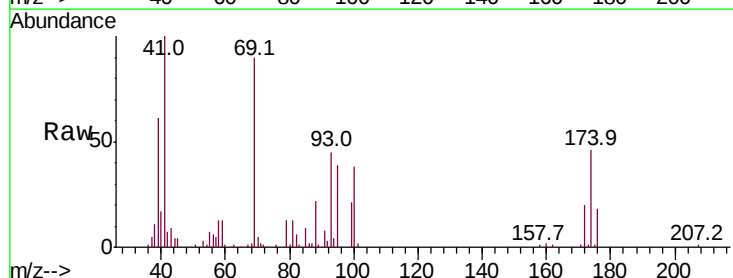
Tgt Ion: 41 Resp: 93428

Ion Ratio Lower Upper

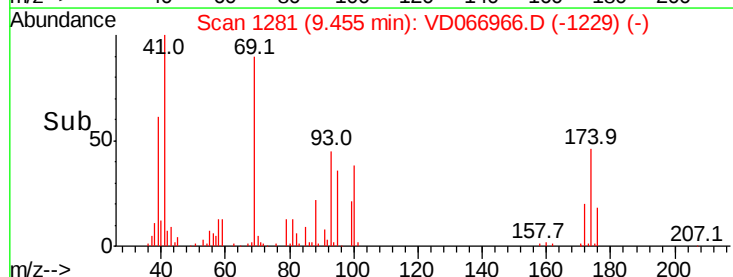
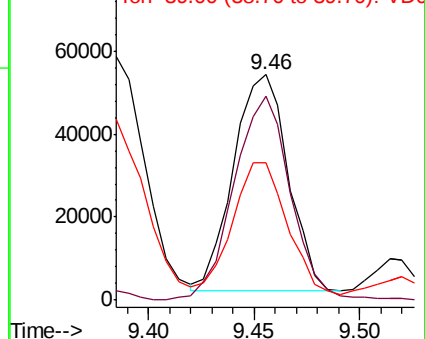
41 100

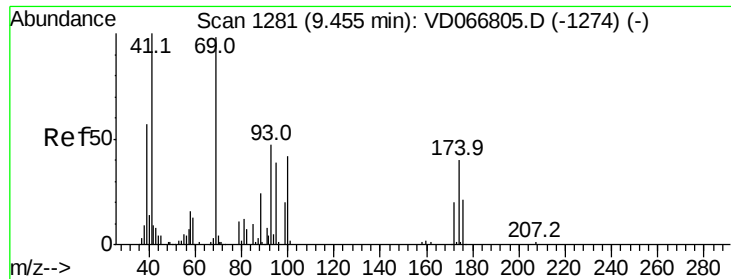
69 97.2 74.5 111.7

39 60.8 47.0 70.6



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

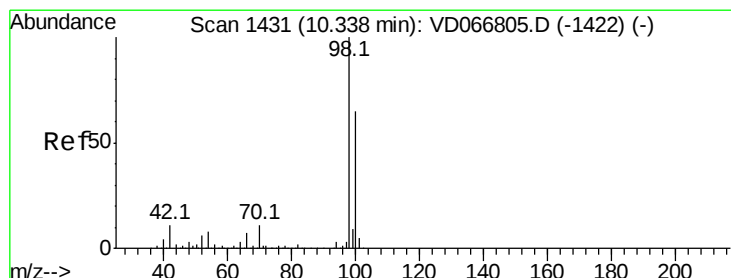
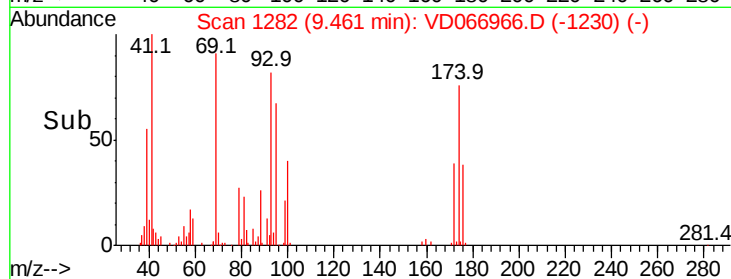
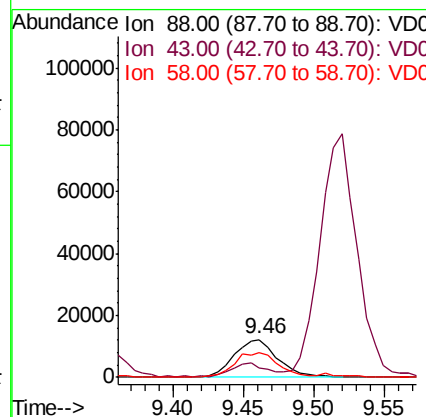
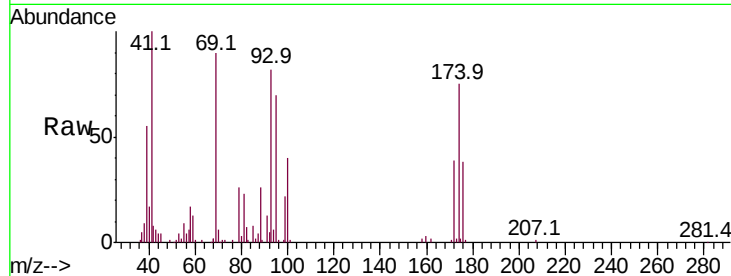




#49
 1,4-Dioxane
 Concen: 961.484 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD066966.D
 Acq: 30 Sep 2020 10:39

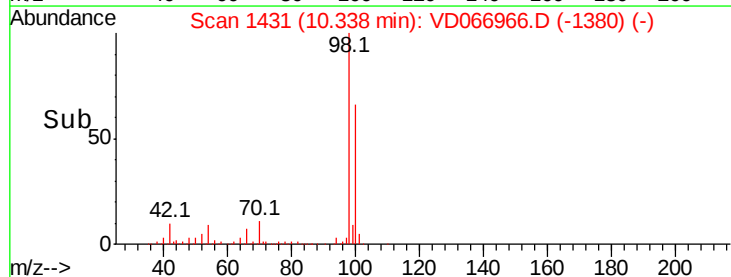
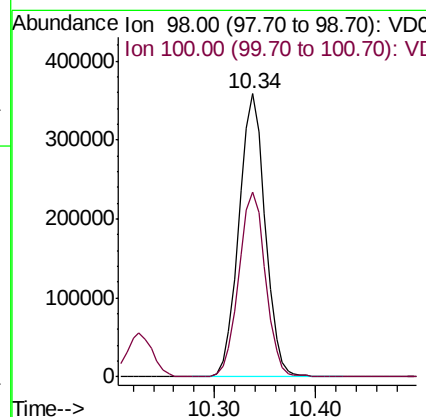
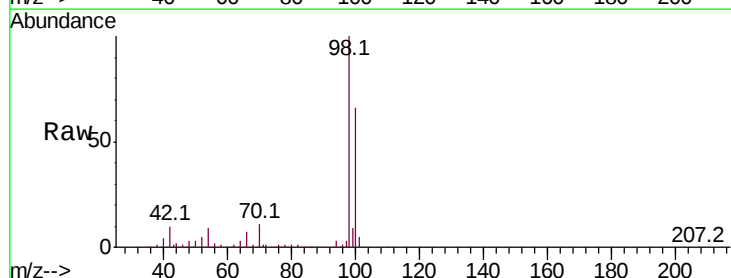
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

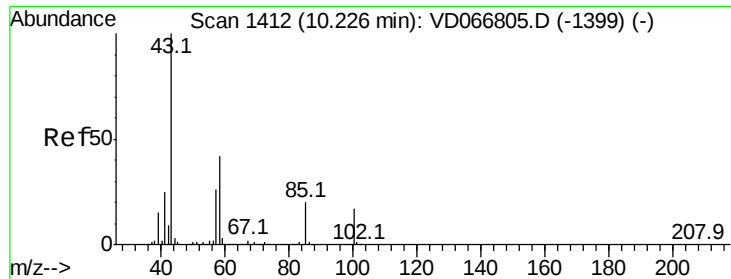
Tot Ion: 88 Resp: 26100
 Ion Ratio Lower Upper
 88 100
 43 32.5 27.7 41.5
 58 67.4 55.5 83.3



#50
 Toluene-d8
 Concen: 47.283 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066966.D
 Acq: 30 Sep 2020 10:39

Tgt Ion: 98 Resp: 646404
 Ion Ratio Lower Upper
 98 100
 100 66.6 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 235.751 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

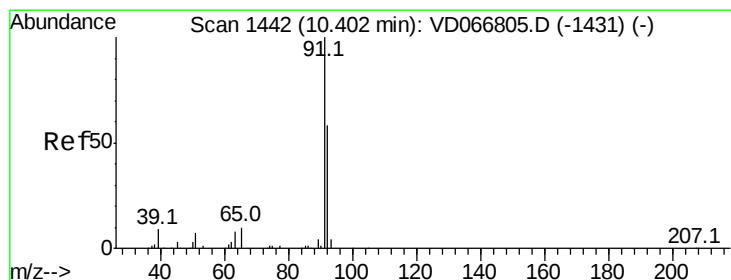
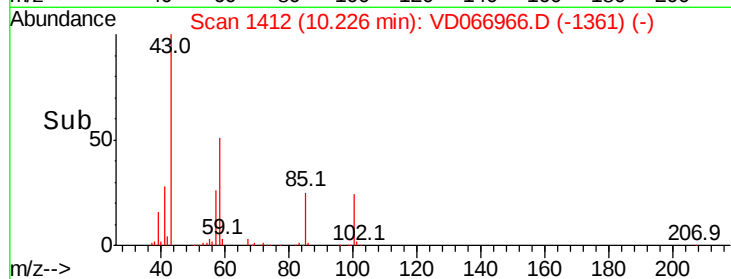
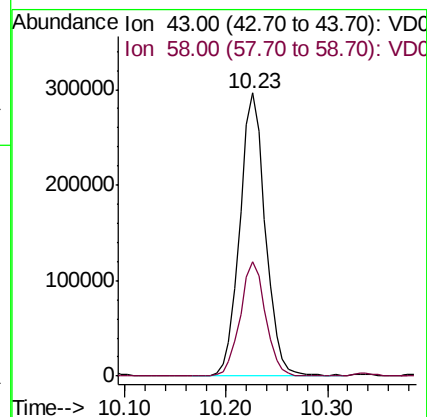
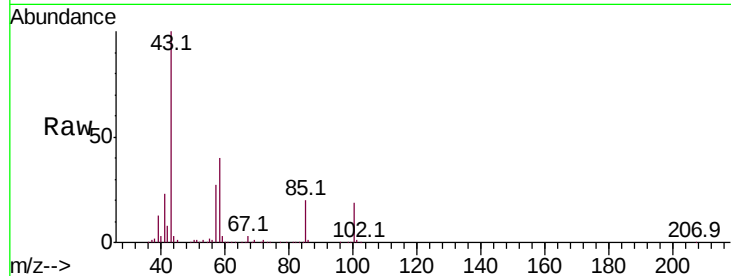
VSTDCCC050

Tot Ion: 43 Resp: 520936

Ion Ratio Lower Upper

43 100

58 40.0 32.2 48.4



#52

Toluene

Concen: 51.505 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066966.D

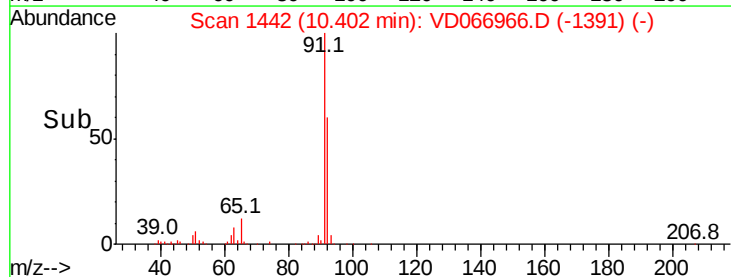
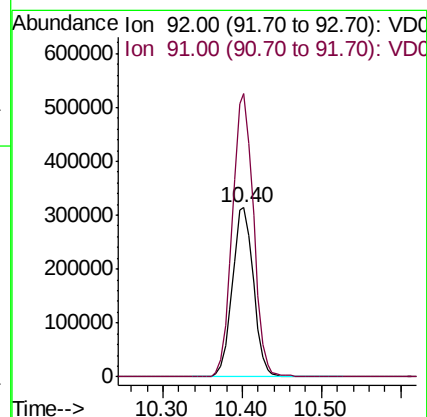
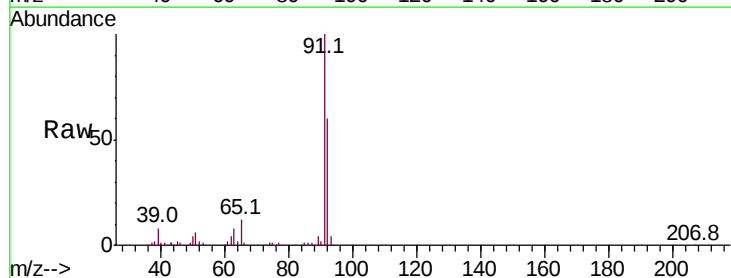
Acq: 30 Sep 2020 10:39

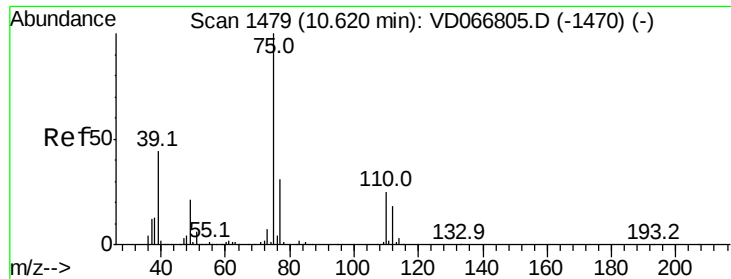
Tgt Ion: 92 Resp: 578525

Ion Ratio Lower Upper

92 100

91 167.6 134.6 202.0





#53

t-1,3-Dichloropropene

Concen: 50.449 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

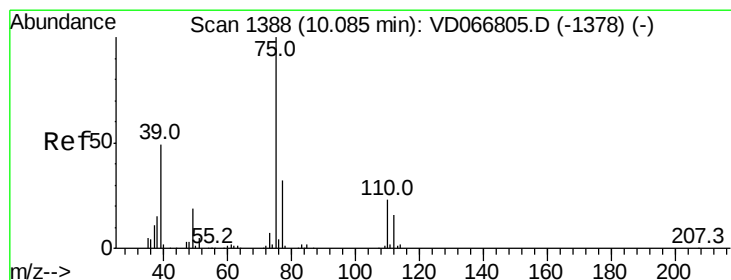
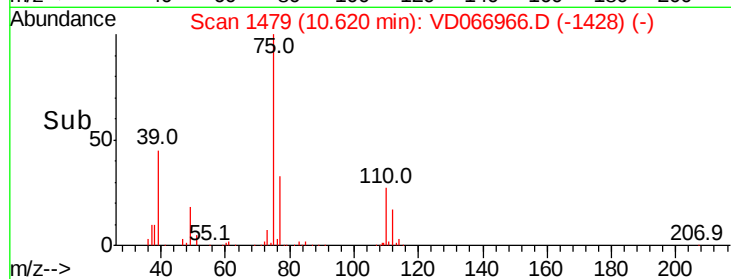
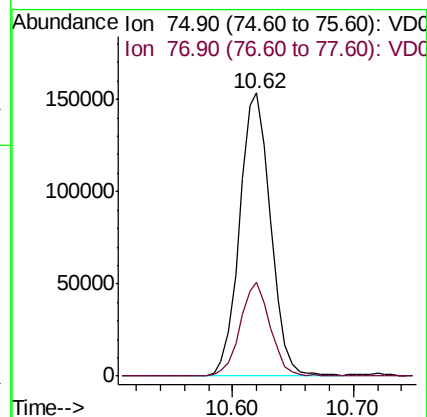
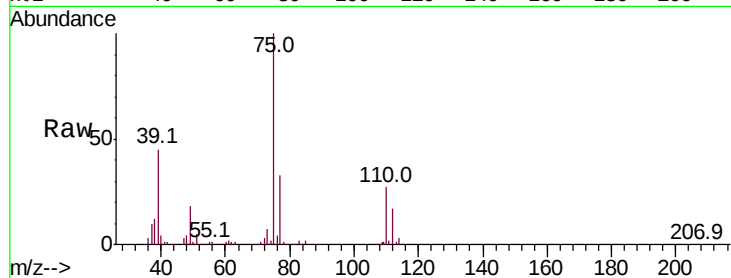
VSTDCCC050

Tot Ion: 75 Resp: 274966

Ion Ratio Lower Upper

75 100

77 33.0 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 50.402 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

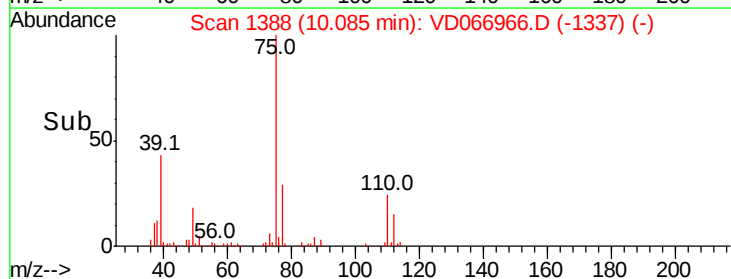
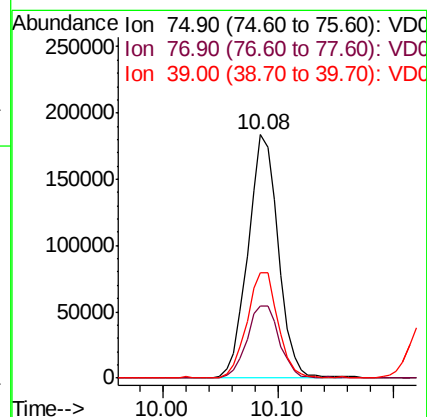
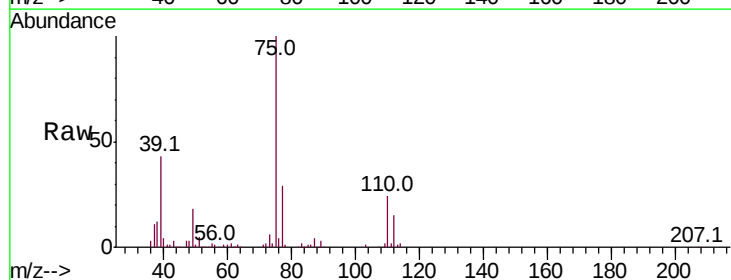
Tgt Ion: 75 Resp: 334961

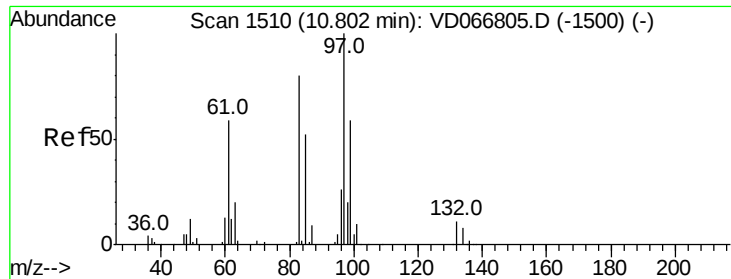
Ion Ratio Lower Upper

75 100

77 29.4 25.6 38.4

39 42.7 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 49.070 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 160805

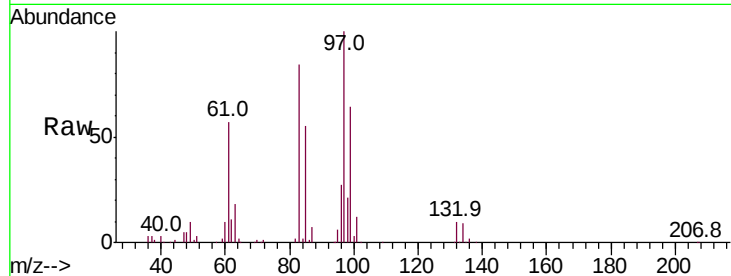
Ion Ratio Lower Upper

97 100

83 84.2 64.2 96.2

85 54.9 41.9 62.9

99 64.2 47.5 71.3

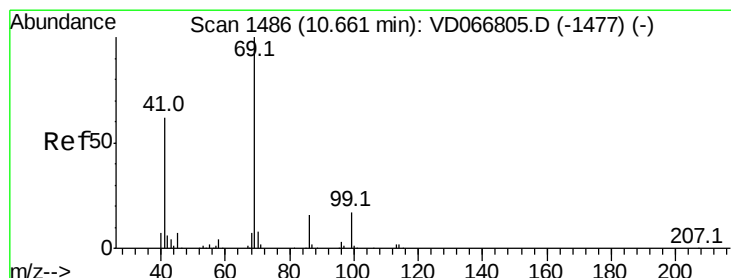
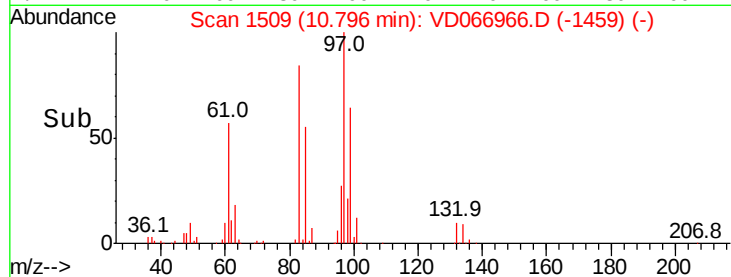
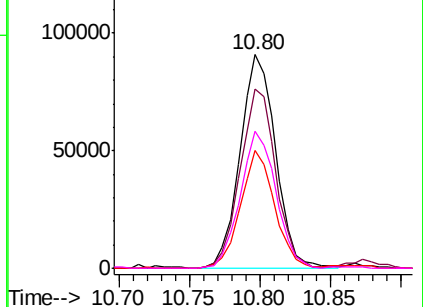


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 51.646 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

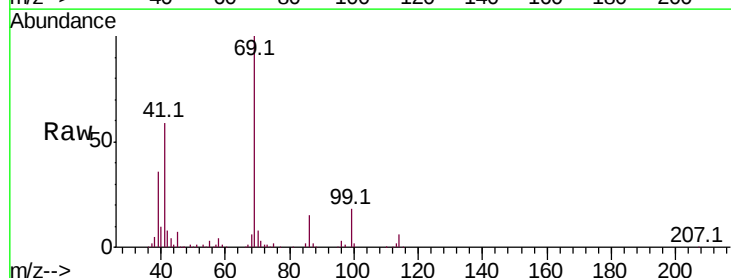
Tgt Ion: 69 Resp: 181309

Ion Ratio Lower Upper

69 100

41 61.1 52.2 78.2

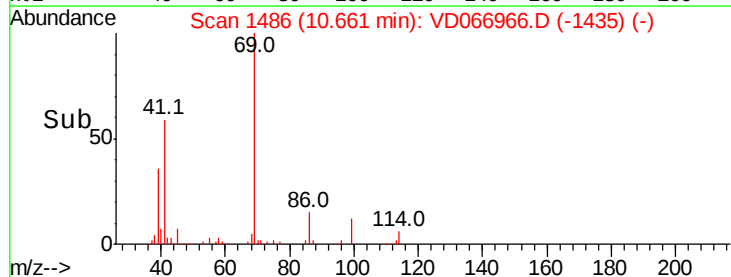
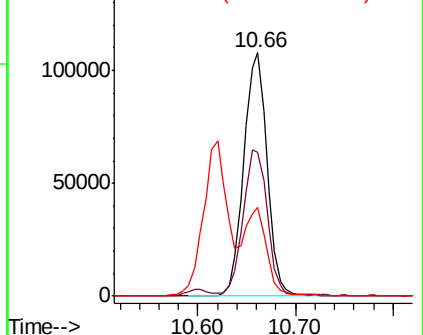
39 31.1 26.6 40.0

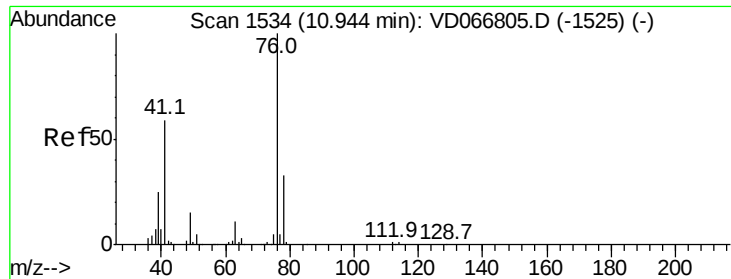


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

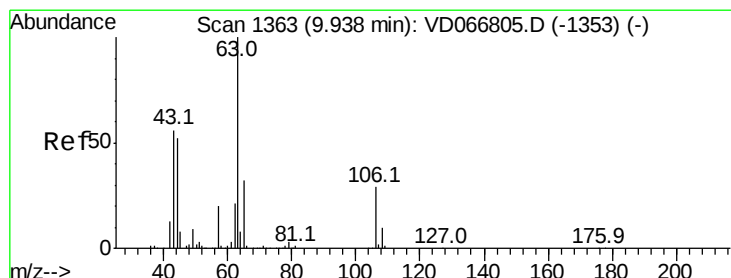
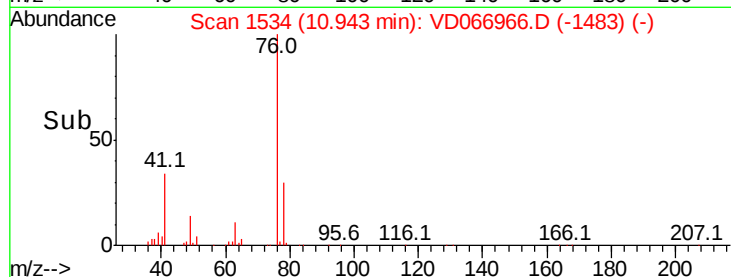
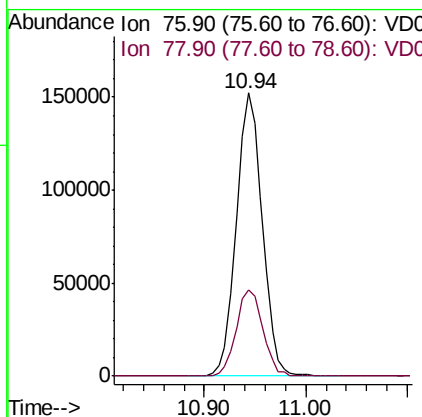
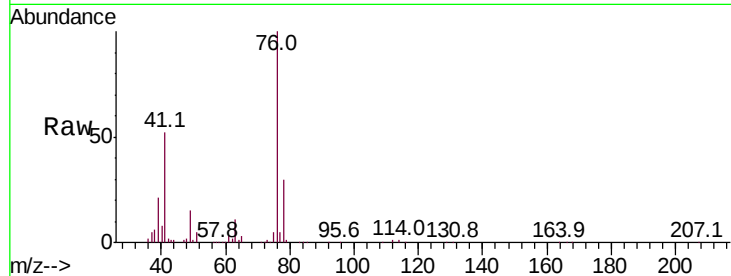




#57
 1,3-Dichloropropane
 Concen: 49.908 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066966.D
 Acq: 30 Sep 2020 10:39

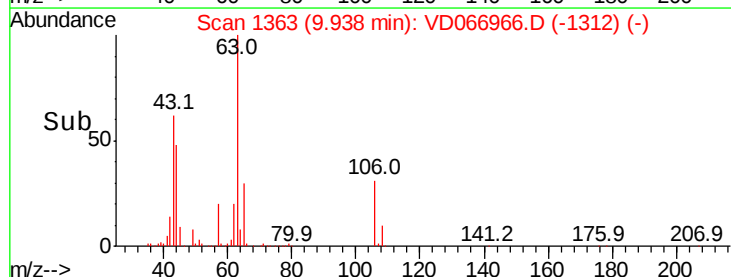
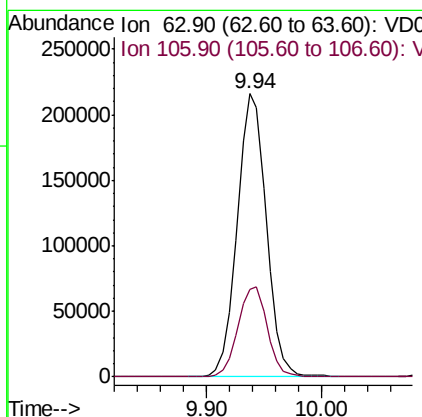
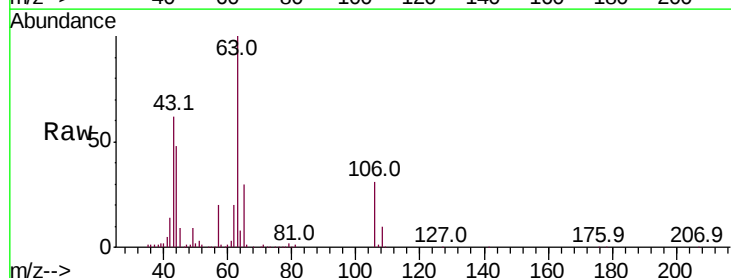
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

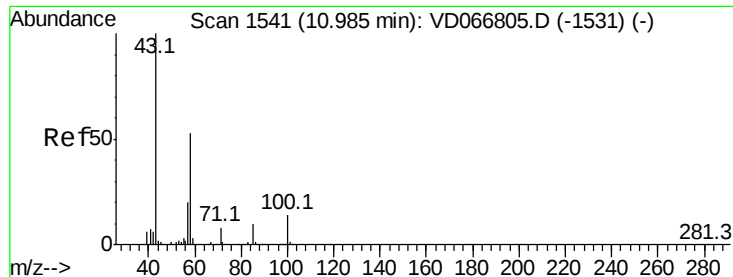
Tot Ion: 76 Resp: 270059
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.741 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066966.D
 Acq: 30 Sep 2020 10:39

Tgt Ion: 63 Resp: 376901
 Ion Ratio Lower Upper
 63 100
 106 32.1 23.8 35.6

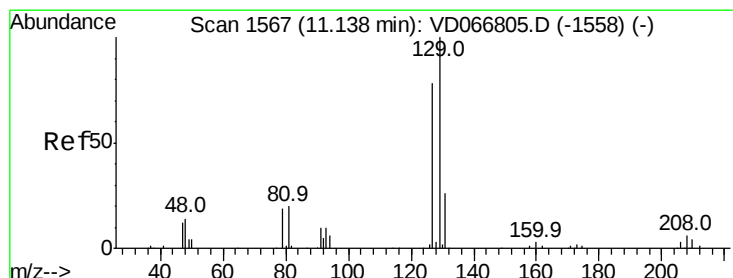
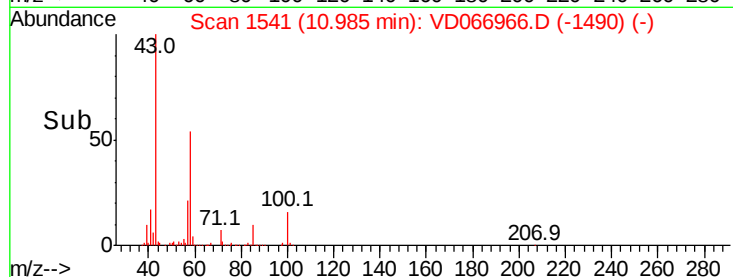
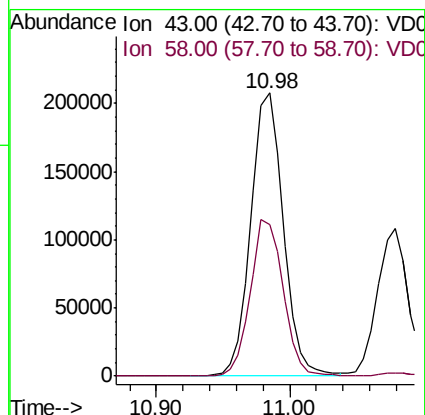
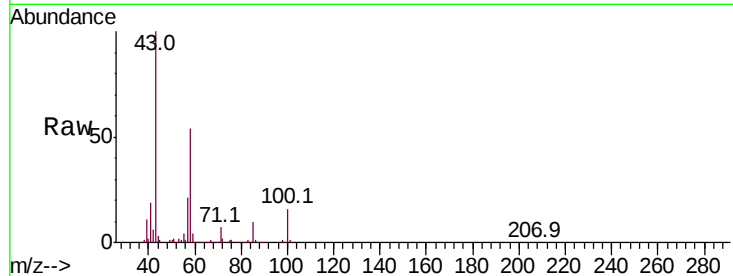




#59
2-Hexanone
Concen: 234.309 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

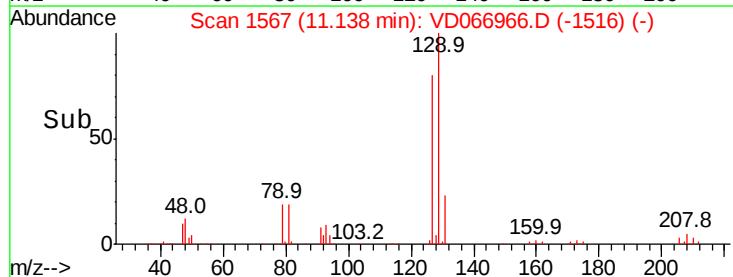
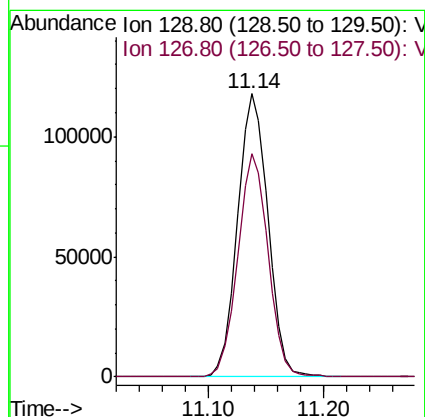
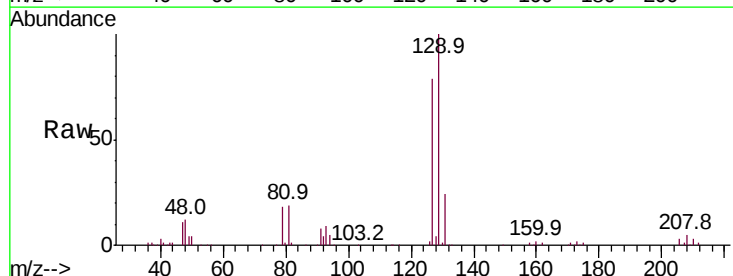
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

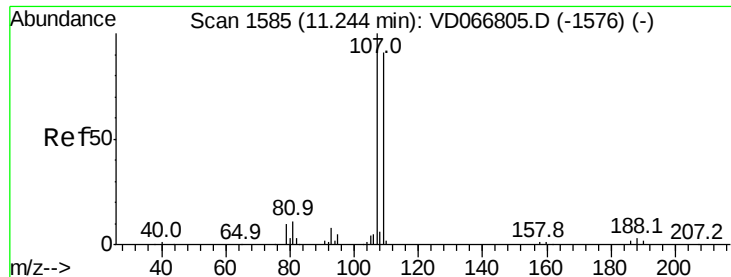
Tot Ion: 43 Resp: 349157
Ion Ratio Lower Upper
43 100
58 55.9 27.0 80.8



#60
Dibromochloromethane
Concen: 50.332 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion: 129 Resp: 215266
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0

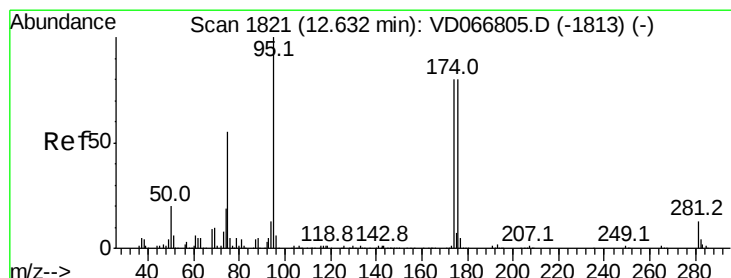
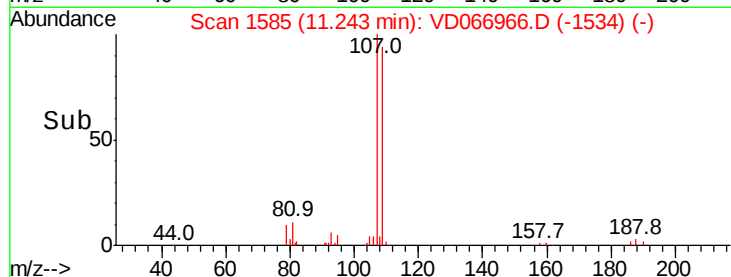
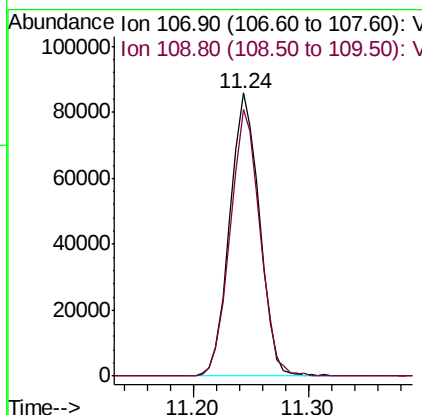
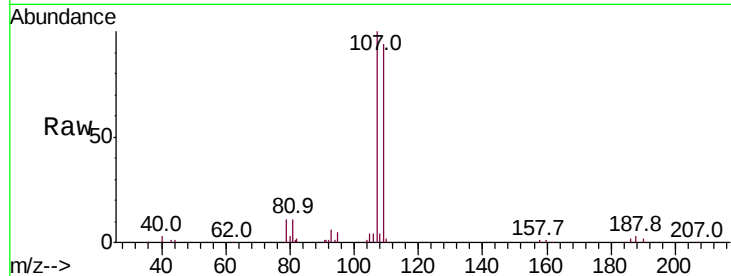




#61
 1,2-Dibromoethane
 Concen: 50.259 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066966.D
 Acq: 30 Sep 2020 10:39

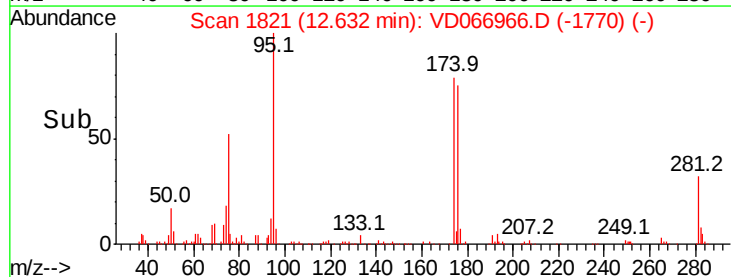
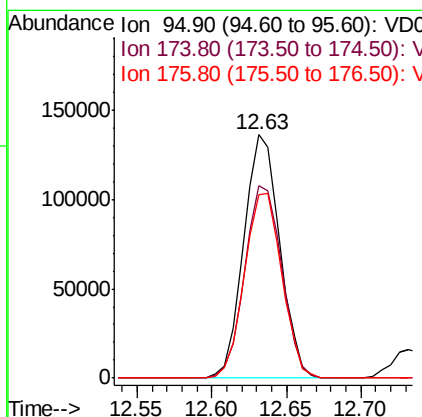
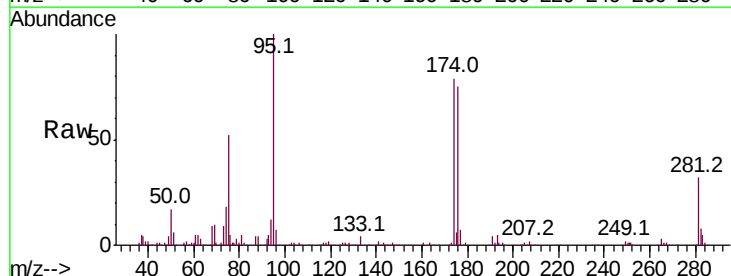
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

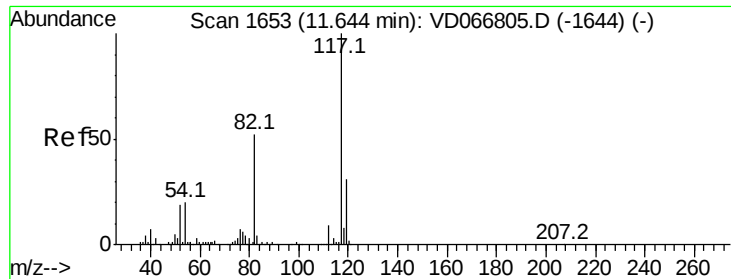
Tot Ion:107 Resp: 153192
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 48.464 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066966.D
 Acq: 30 Sep 2020 10:39

Tgt Ion: 95 Resp: 226816
 Ion Ratio Lower Upper
 95 100
 174 81.8 0.0 159.8
 176 78.8 0.0 154.4

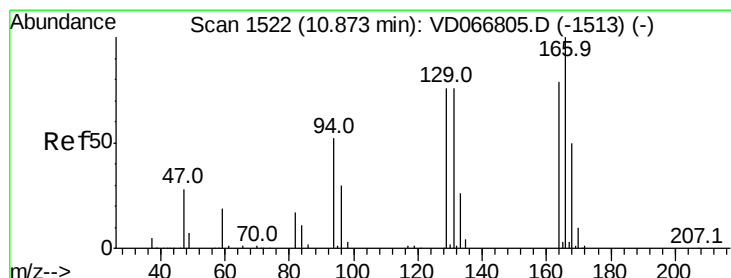
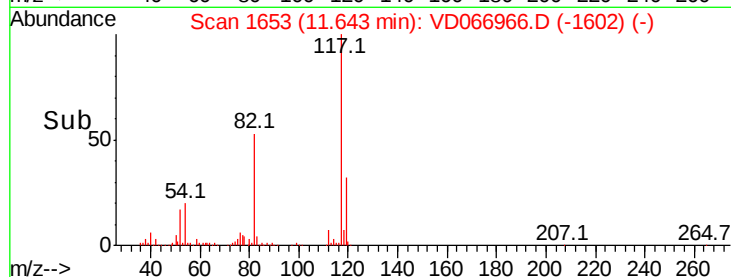
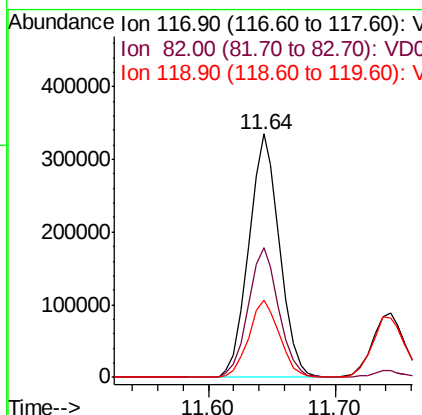
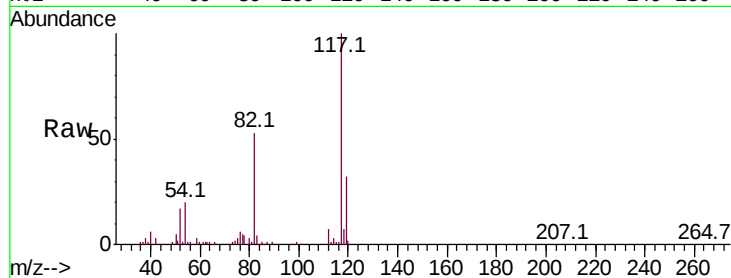




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

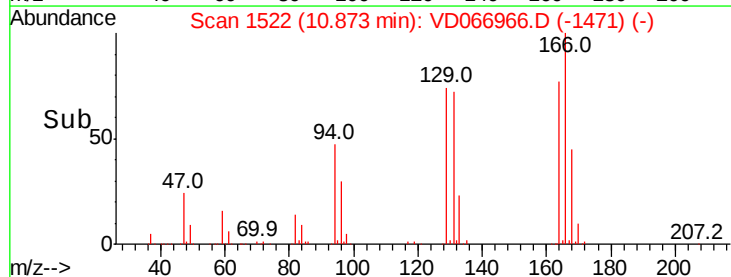
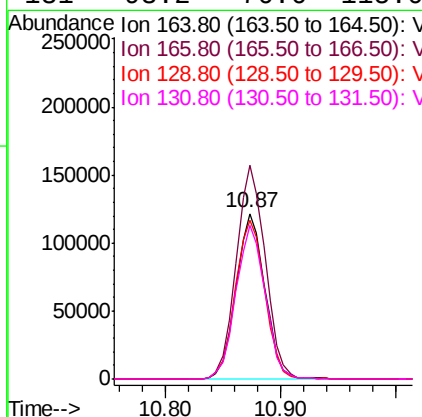
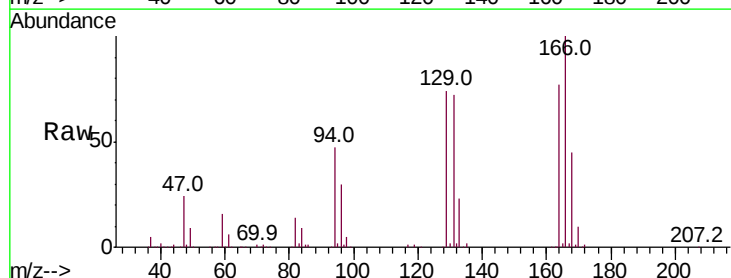
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

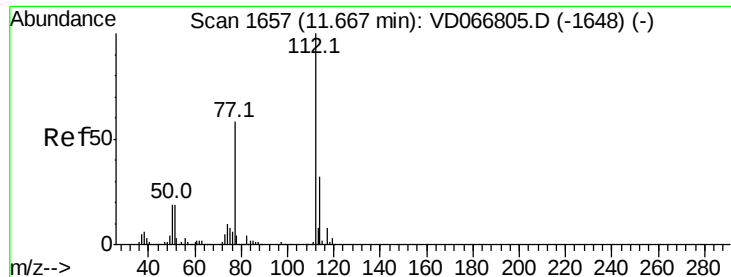
Tot Ion:117 Resp: 564045
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.6
119 31.9 24.6 37.0



#64
Tetrachloroethene
Concen: 51.979 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion:164 Resp: 210893
Ion Ratio Lower Upper
164 100
166 129.3 101.1 151.7
129 95.8 77.0 115.4
131 93.2 76.6 115.0





#65

Chlorobenzene

Concen: 51.851 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

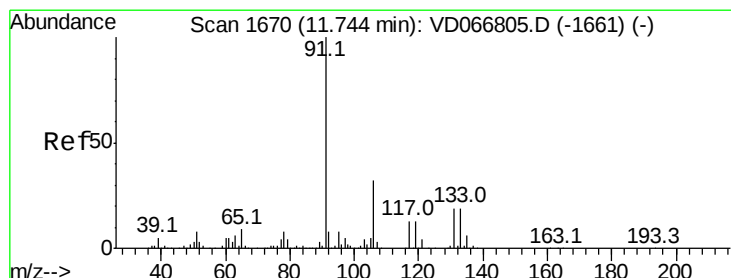
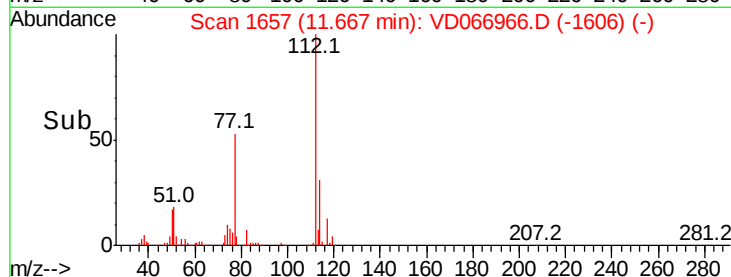
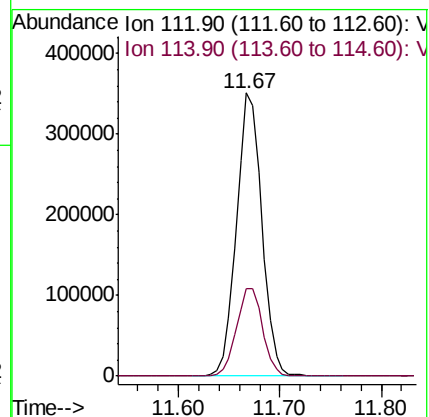
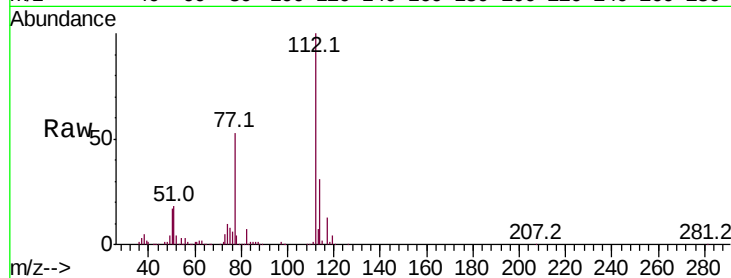
VSTDCCC050

Tot Ion:112 Resp: 608783

Ion Ratio Lower Upper

112 100

114 30.9 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 52.312 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

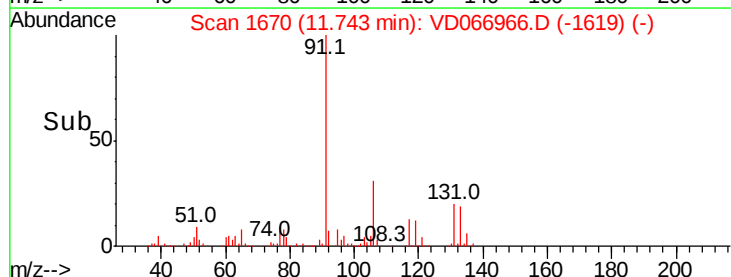
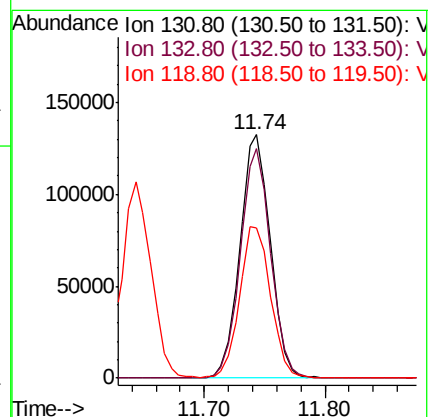
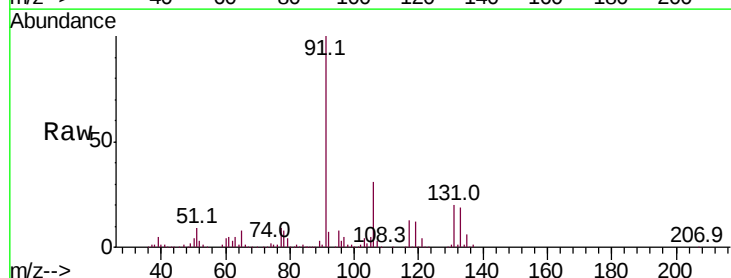
Tgt Ion:131 Resp: 232460

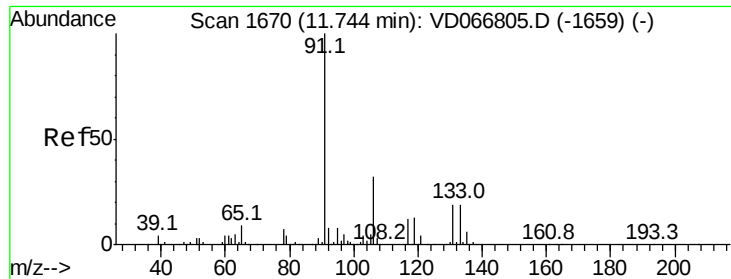
Ion Ratio Lower Upper

131 100

133 94.1 46.7 140.1

119 63.7 32.3 96.9

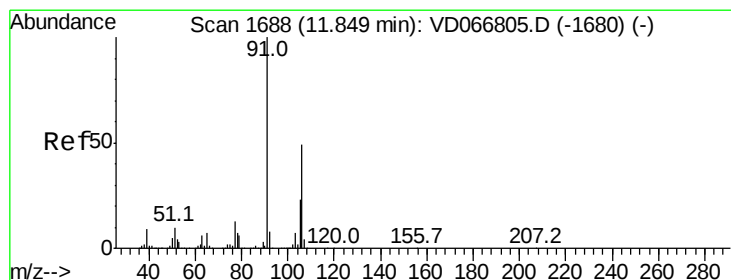
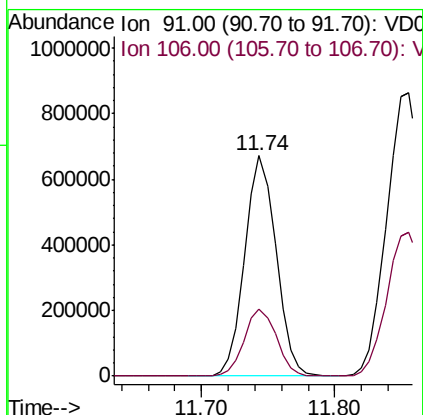
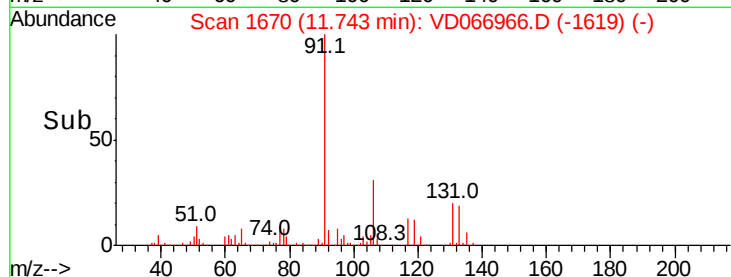
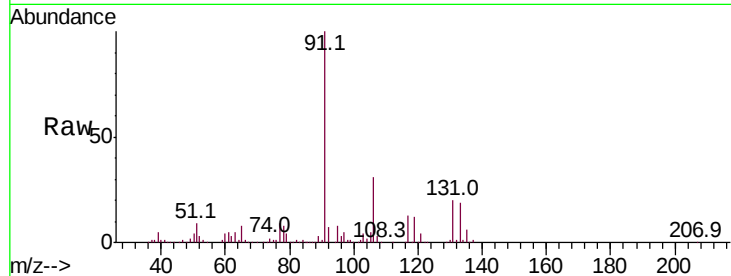




#67
Ethyl Benzene
Concen: 52.971 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

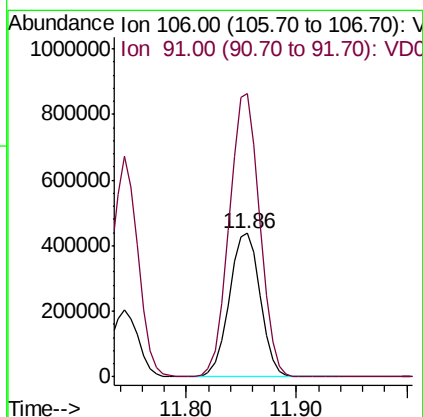
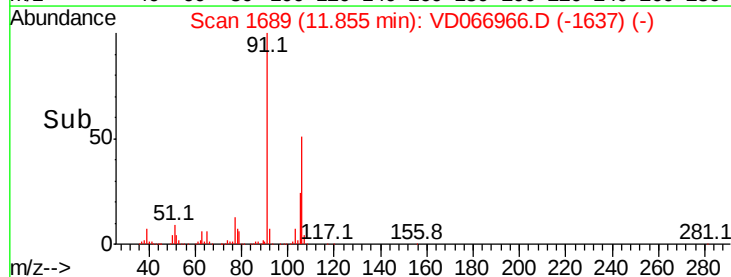
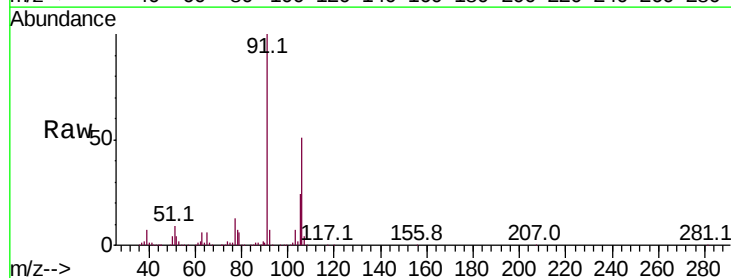
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

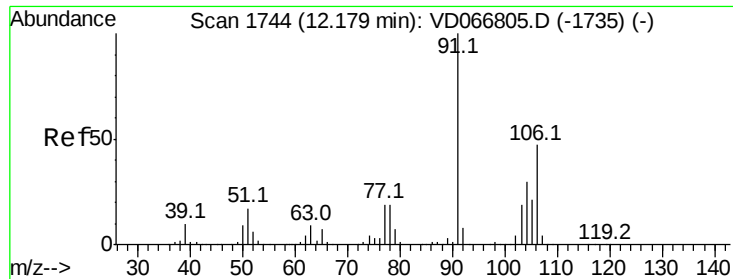
Tot Ion: 91 Resp: 1092314
Ion Ratio Lower Upper
91 100
106 30.5 25.6 38.4



#68
m/p-Xylenes
Concen: 110.148 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion: 106 Resp: 859955
Ion Ratio Lower Upper
106 100
91 195.0 160.7 241.1

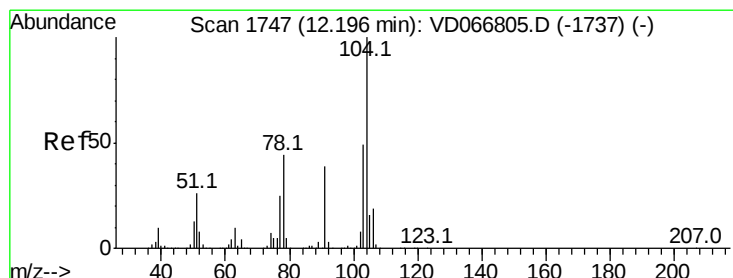
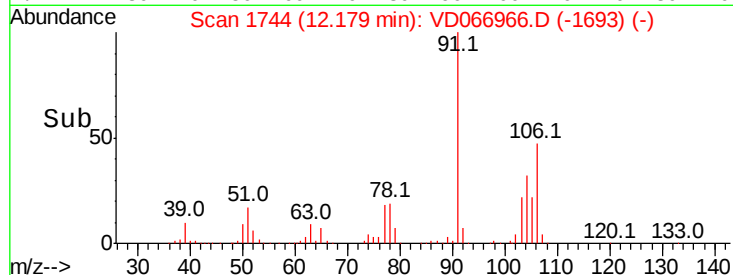
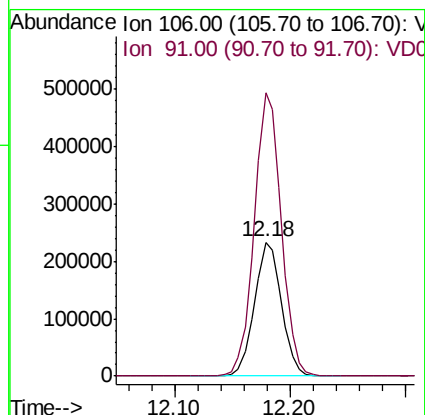
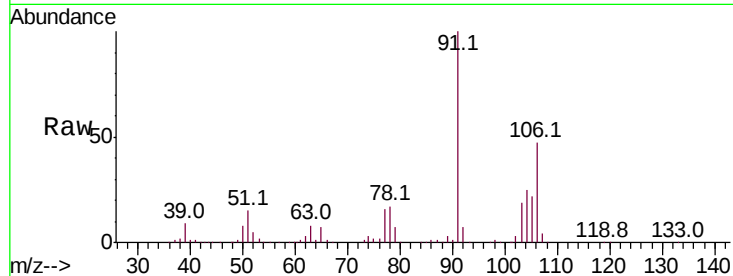




#69
o-Xylene
Concen: 53.880 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

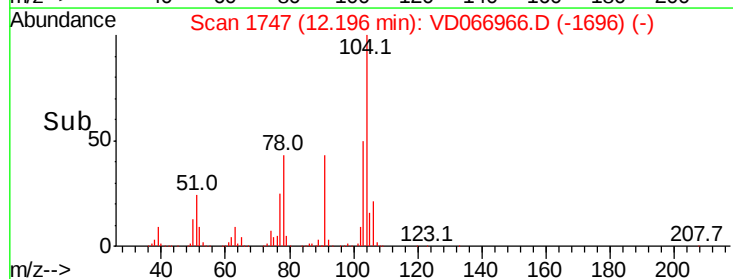
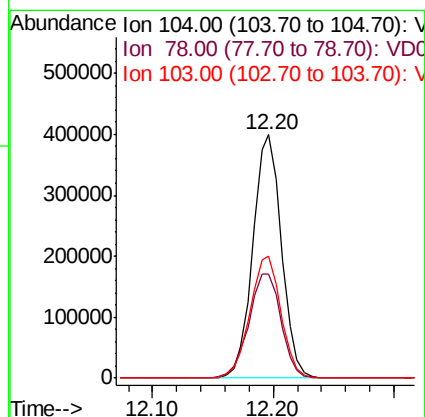
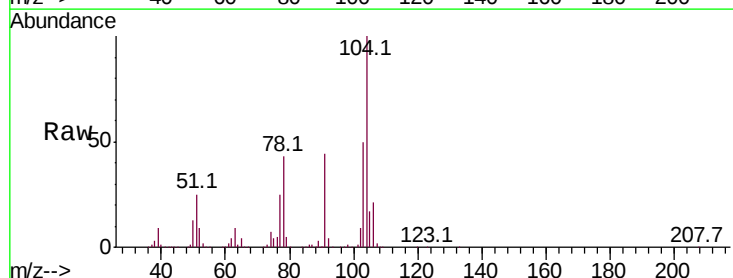
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

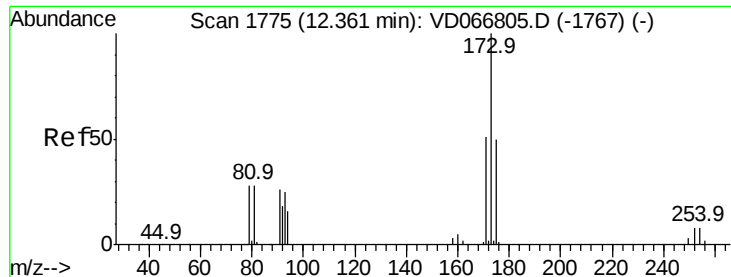
Tot Ion:106 Resp: 380370
Ion Ratio Lower Upper
106 100
91 211.8 106.3 318.8



#70
Styrene
Concen: 54.024 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion:104 Resp: 662325
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 54.0 43.2 64.8





#71

Bromoform

Concen: 52.589 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

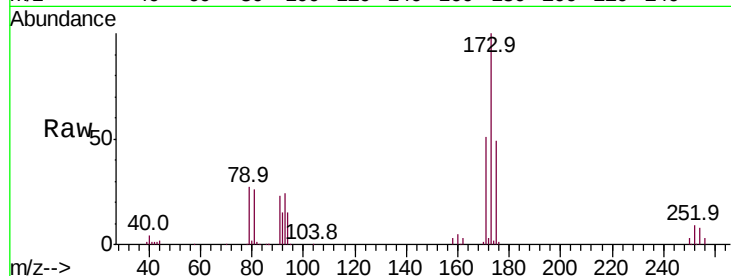
Tot Ion:173 Resp: 118321

Ion Ratio Lower Upper

173 100

175 47.8 24.9 74.6

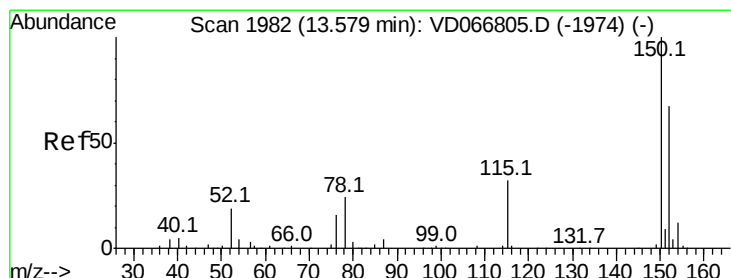
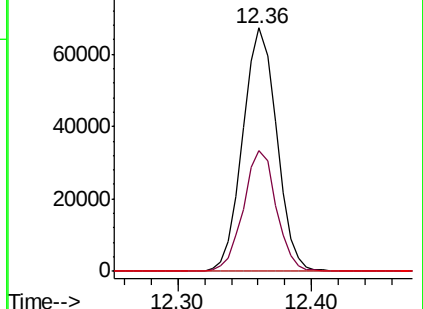
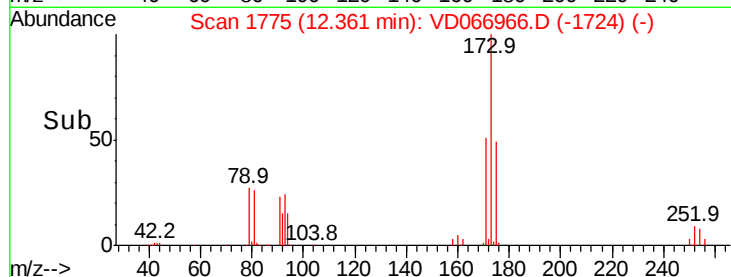
254 0.0 0.1 0.1#



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: VD066966.D

Acq: 30 Sep 2020 10:39

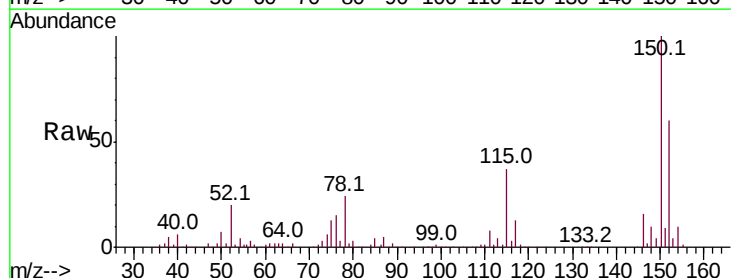
Tgt Ion:152 Resp: 274135

Ion Ratio Lower Upper

152 100

115 58.3 30.3 91.0

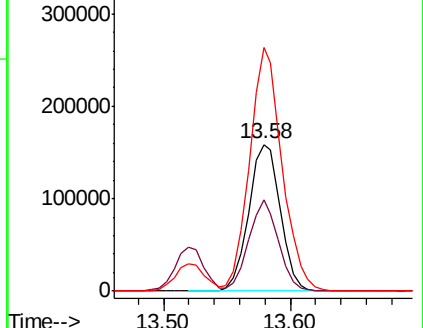
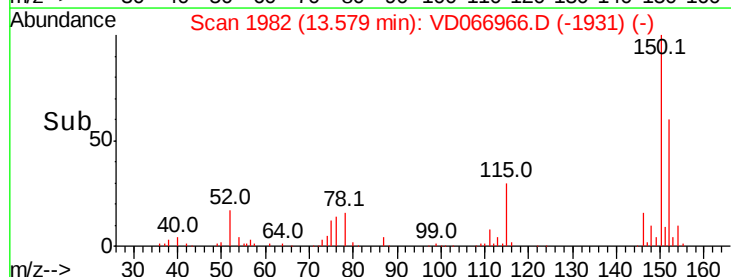
150 171.3 0.0 346.2

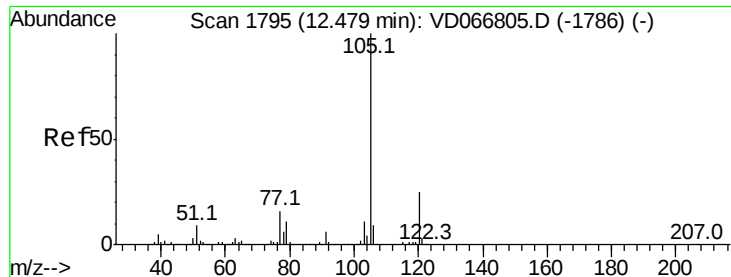


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.537 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

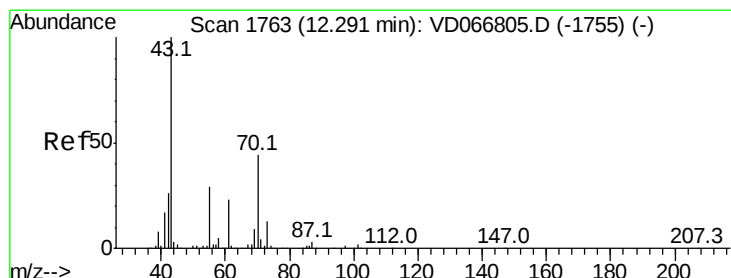
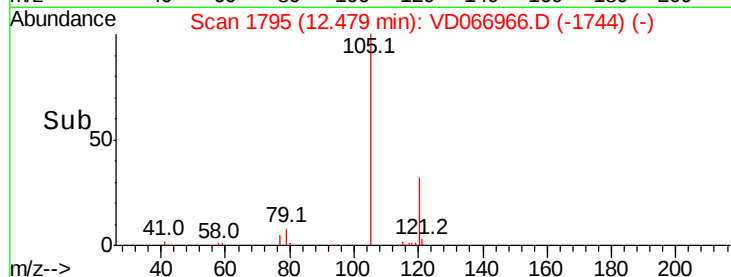
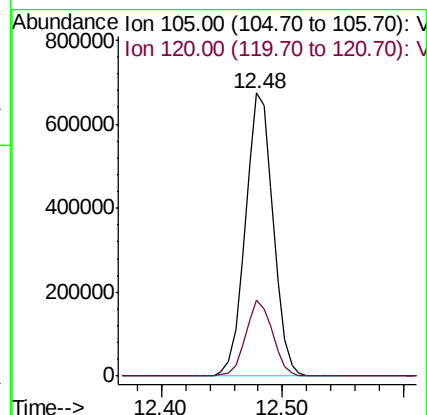
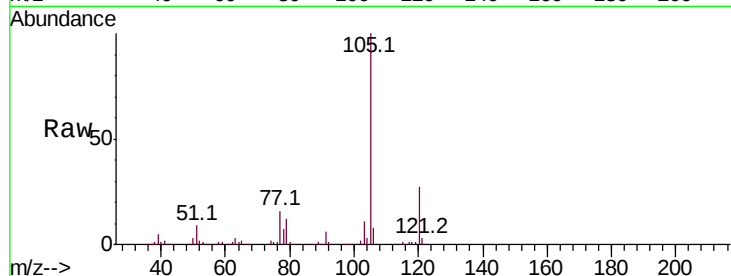
VSTDCCC050

Tot Ion:105 Resp: 1080013

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.6



#74

N-ethyl acetate

Concen: 46.960 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Tgt Ion: 43 Resp: 181609

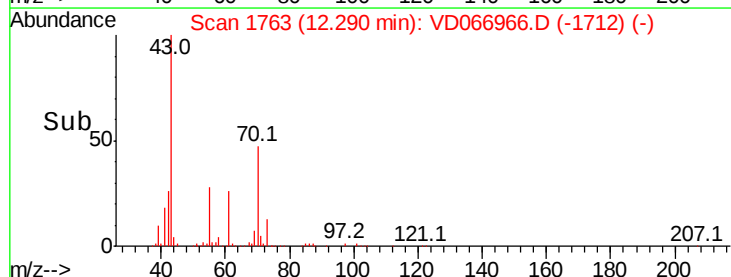
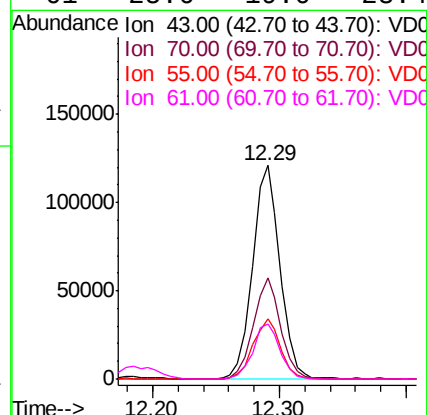
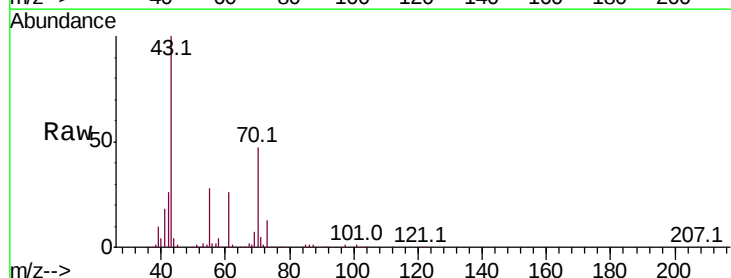
Ion Ratio Lower Upper

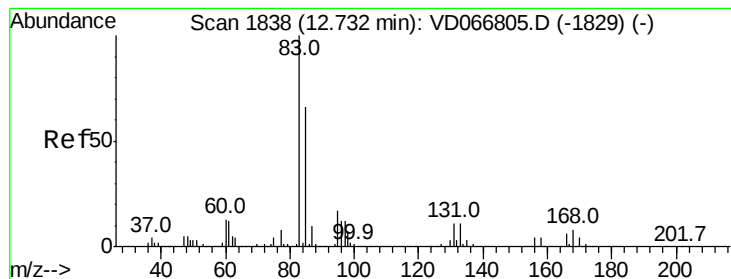
43 100

70 47.0 36.1 54.1

55 28.1 21.8 32.8

61 25.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.773 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

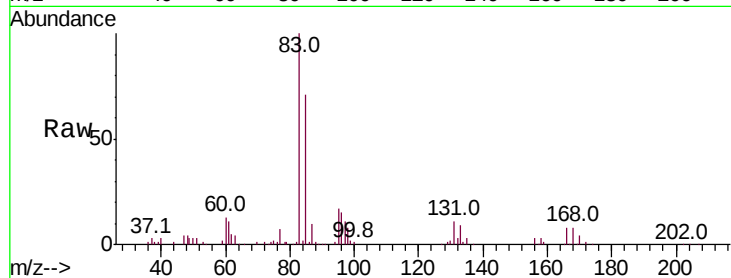
Tot Ion: 83 Resp: 163250

Ion Ratio Lower Upper

83 100

131 11.8 5.5 16.7

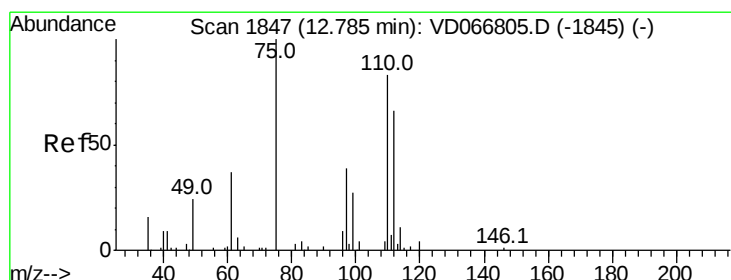
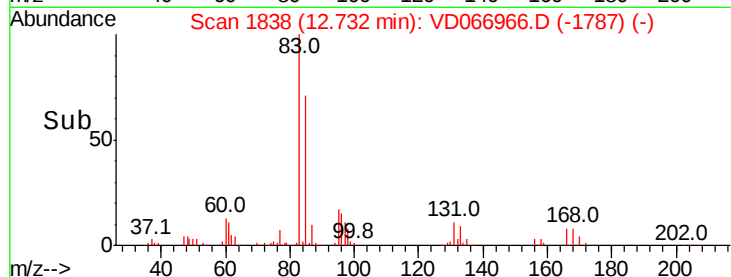
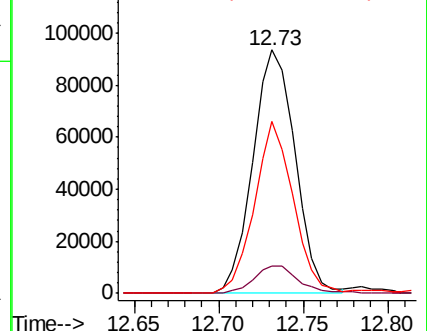
85 65.0 32.1 96.5



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: 94.133 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066966.D

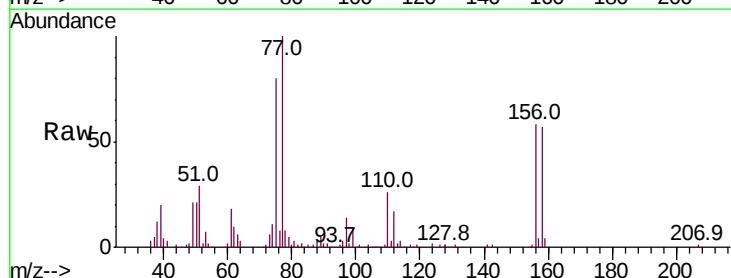
Acq: 30 Sep 2020 10:39

Tgt Ion: 75 Resp: 213853

Ion Ratio Lower Upper

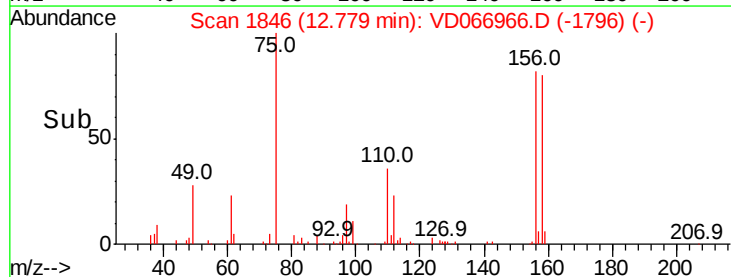
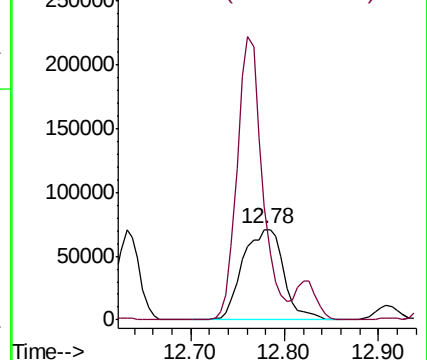
75 100

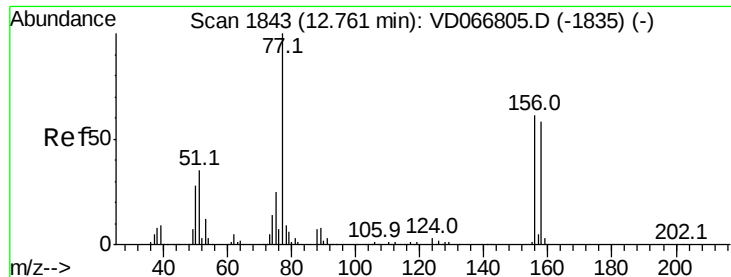
77 194.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.104 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

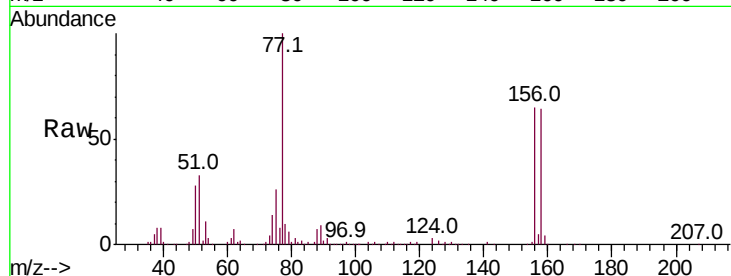
Tot Ion:156 Resp: 241326

Ion Ratio Lower Upper

156 100

77 172.0 92.3 276.9

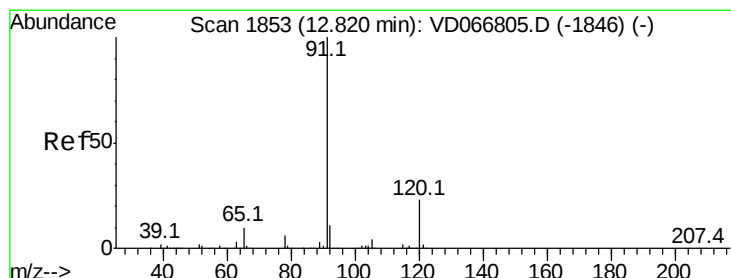
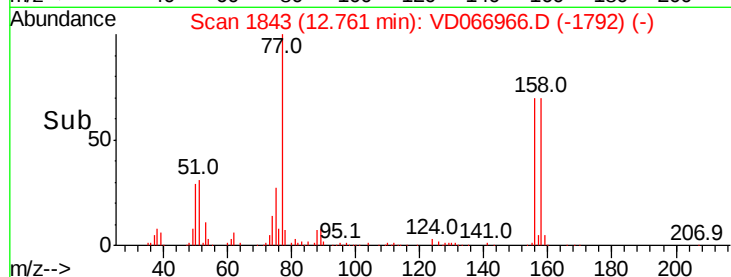
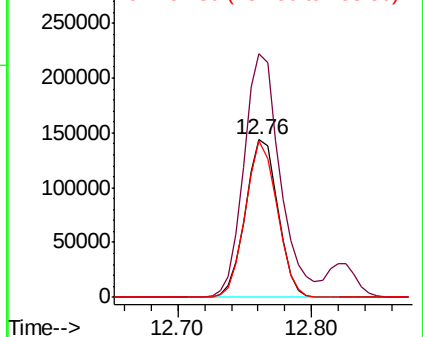
158 97.0 47.6 142.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.152 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066966.D

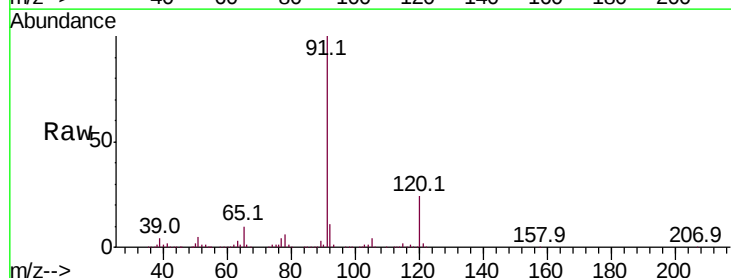
Acq: 30 Sep 2020 10:39

Tgt Ion: 91 Resp: 1266312

Ion Ratio Lower Upper

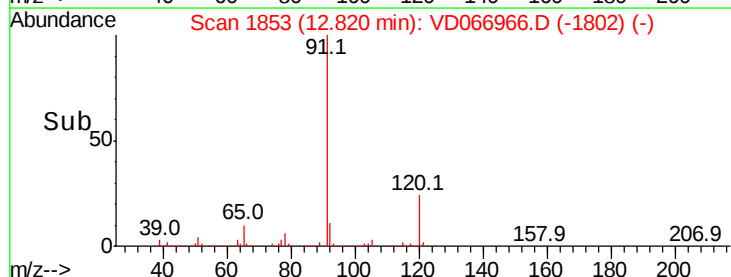
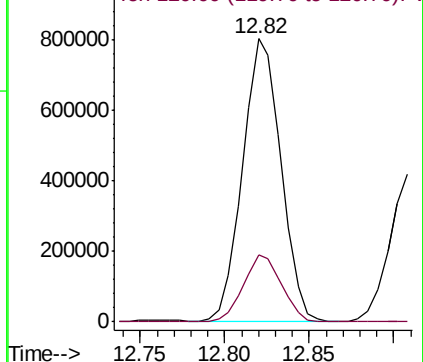
91 100

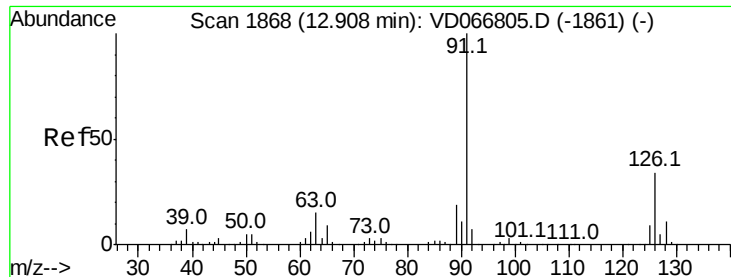
120 23.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

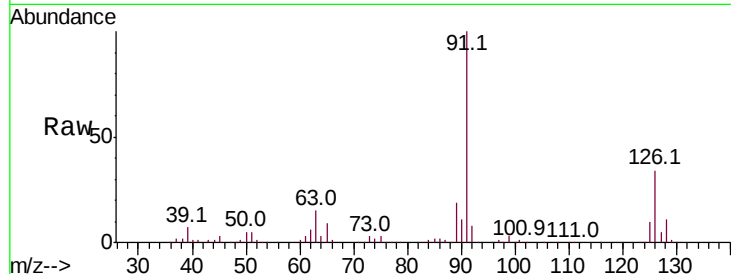




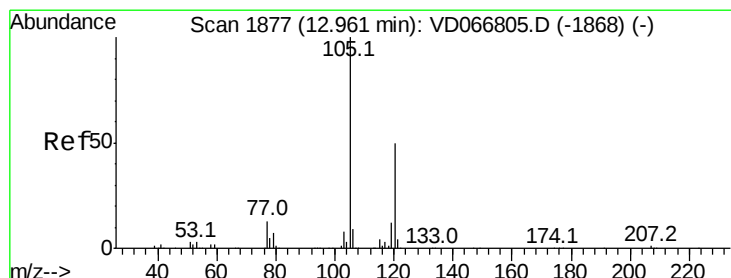
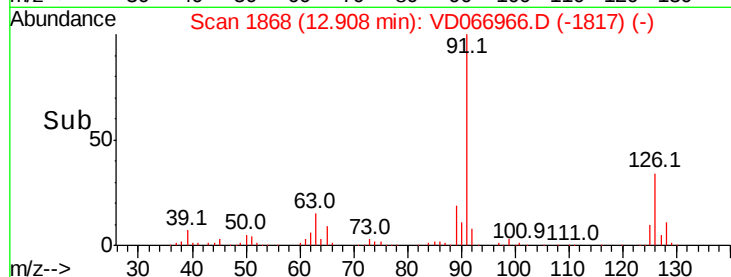
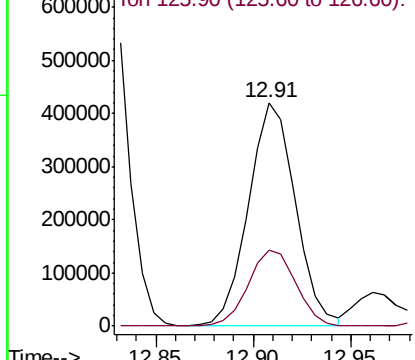
#79
2-Chlorotoluene
Concen: 51.482 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 698945
Ion Ratio Lower Upper
91 100
126 34.7 17.0 51.0

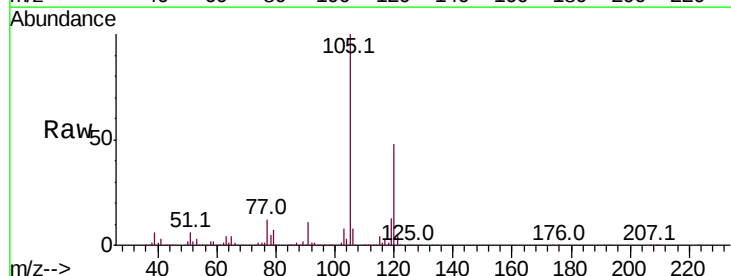


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

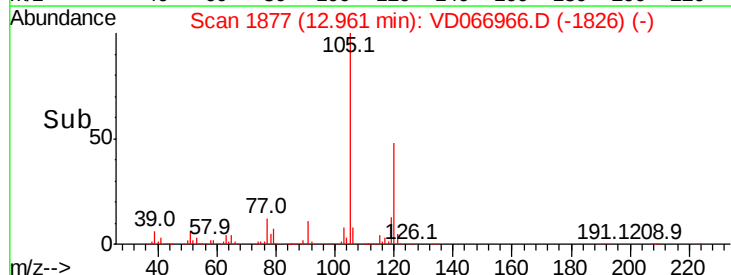
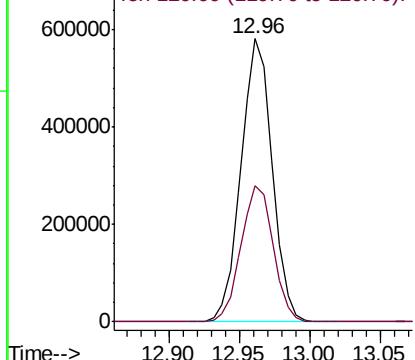


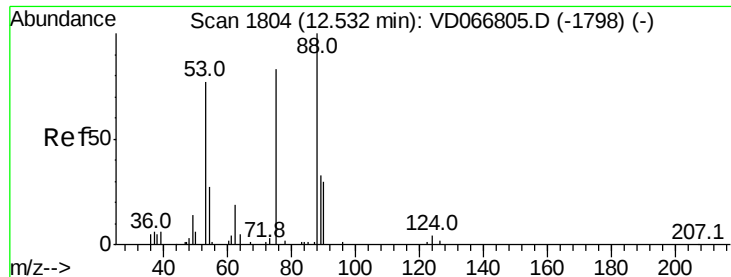
#80
1,3,5-Trimethylbenzene
Concen: 53.291 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion:105 Resp: 895477
Ion Ratio Lower Upper
105 100
120 50.0 24.4 73.4



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: 56.227 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

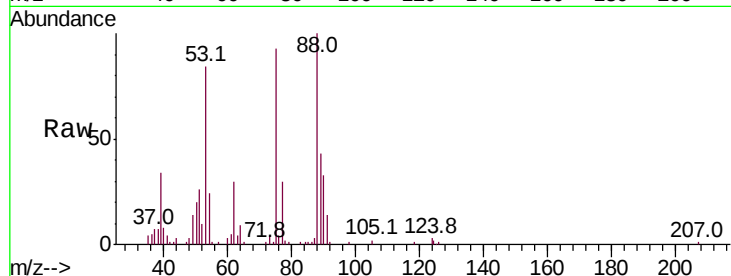
Tot Ion: 75 Resp: 51056

Ion Ratio Lower Upper

75 100

53 91.4 78.5 117.7

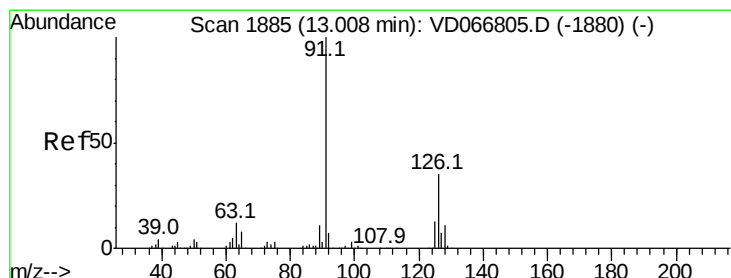
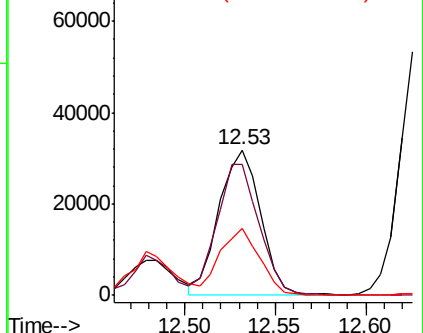
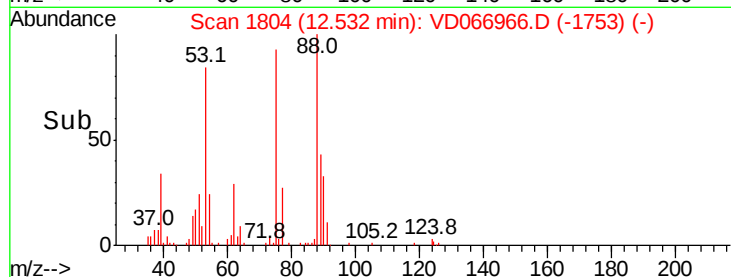
89 43.8 38.1 57.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.924 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066966.D

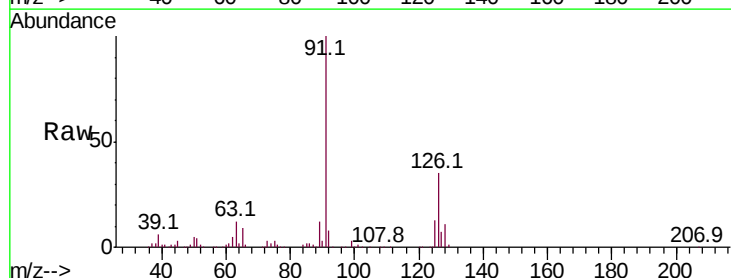
Acq: 30 Sep 2020 10:39

Tgt Ion: 91 Resp: 728801

Ion Ratio Lower Upper

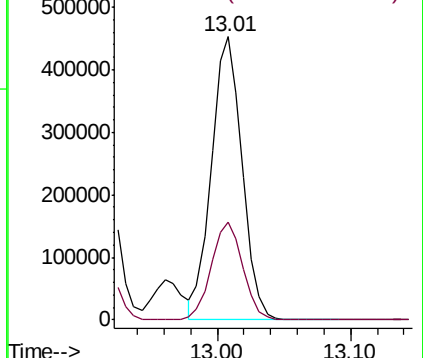
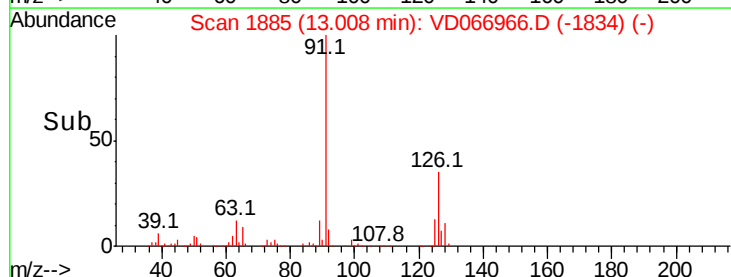
91 100

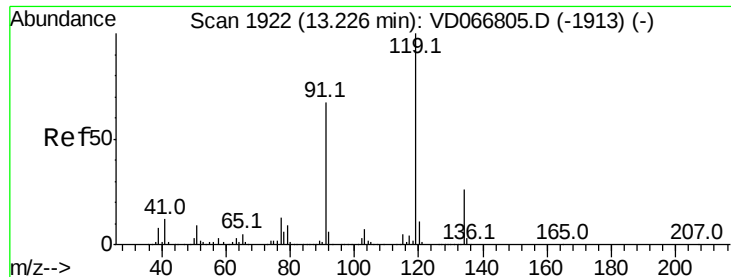
126 35.3 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

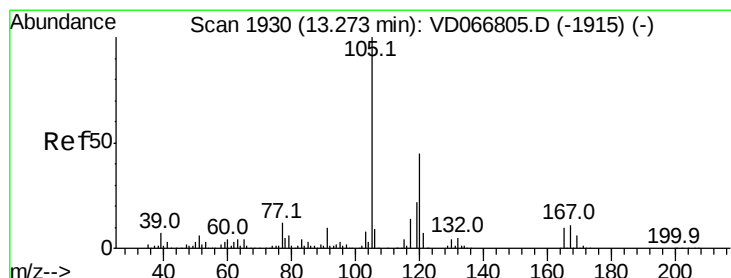
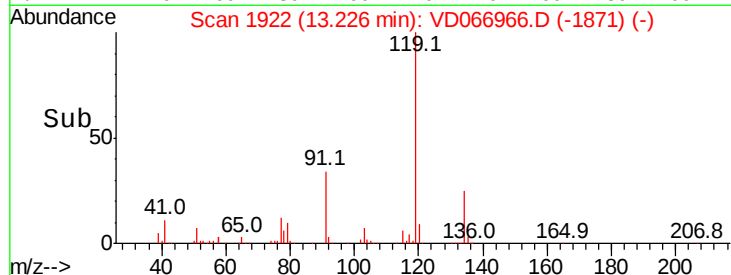
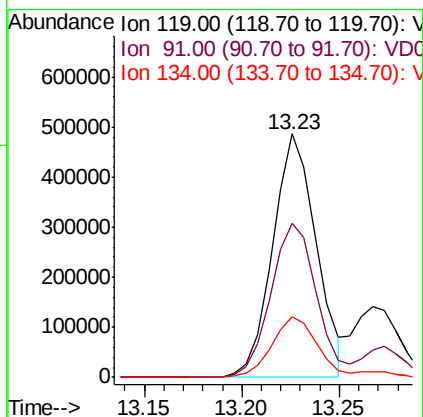
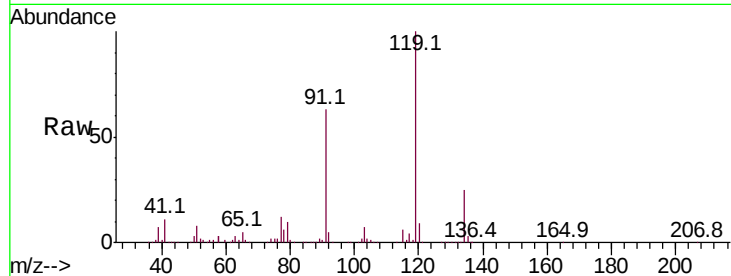




#83
tert-Butylbenzene
Concen: 54.477 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

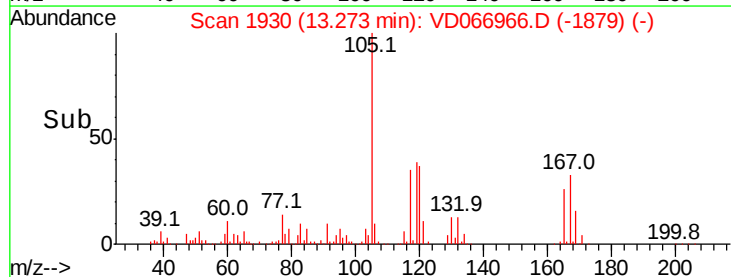
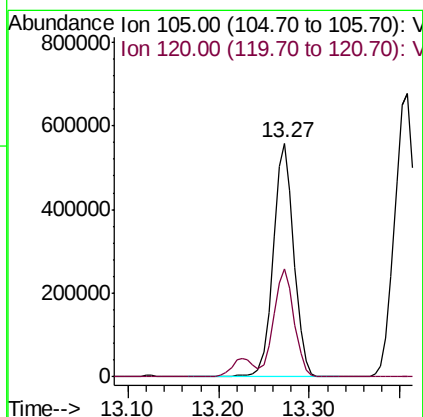
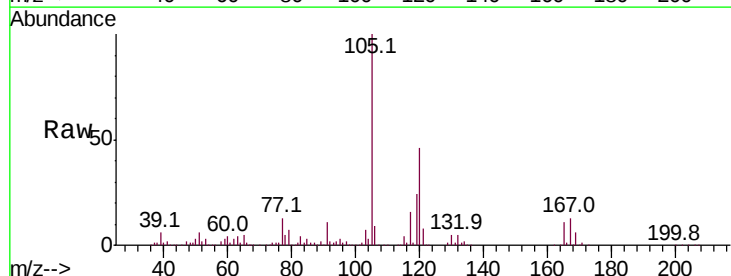
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

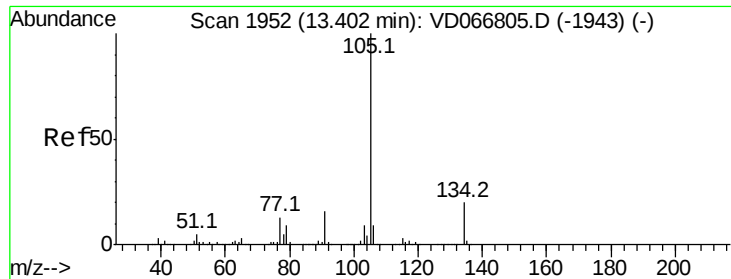
Tot Ion:119 Resp: 752216
Ion Ratio Lower Upper
119 100
91 66.4 33.6 100.8
134 27.6 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 53.353 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion:105 Resp: 888995
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.9





#85

sec-Butylbenzene

Concen: 54.613 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

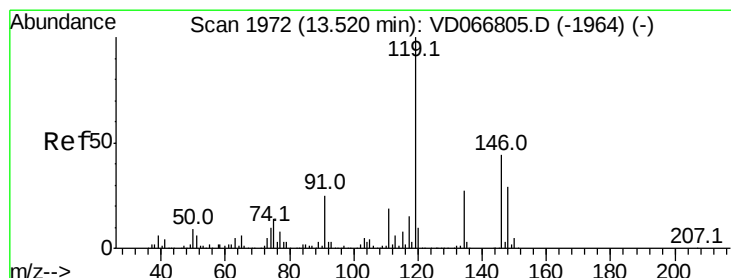
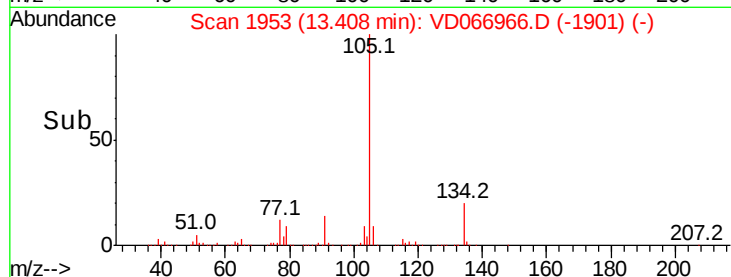
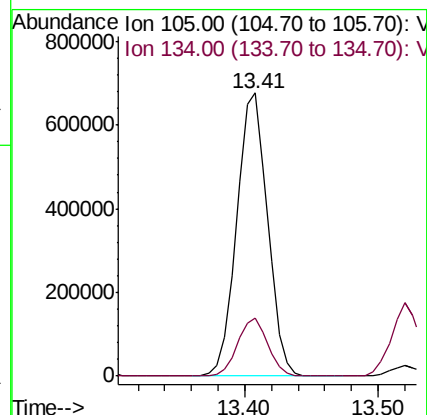
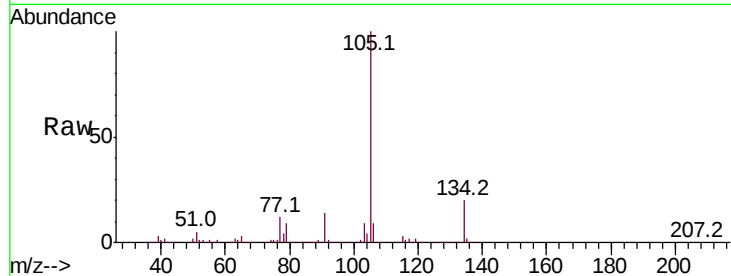
VSTDCCC050

Tot Ion:105 Resp: 1084390

Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.6



#86

p-Isopropyltoluene

Concen: 55.220 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

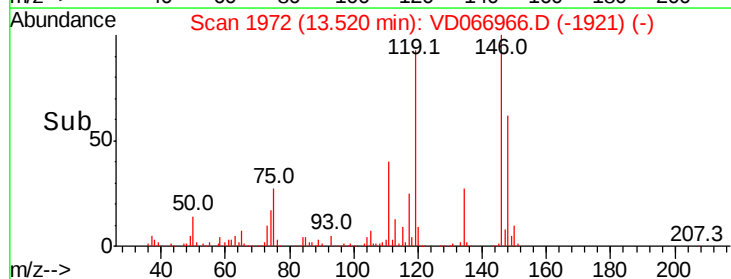
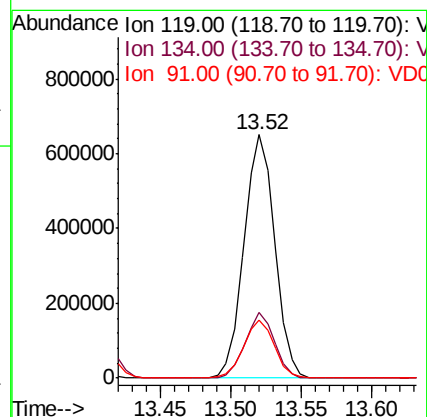
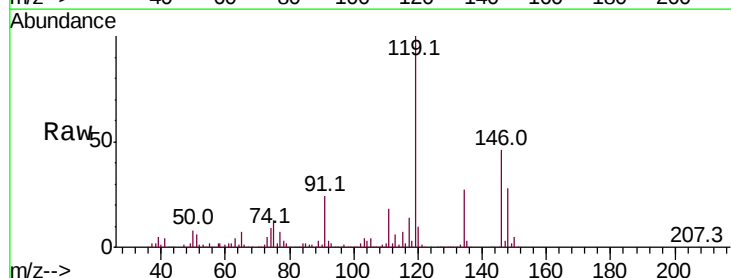
Tgt Ion:119 Resp: 988314

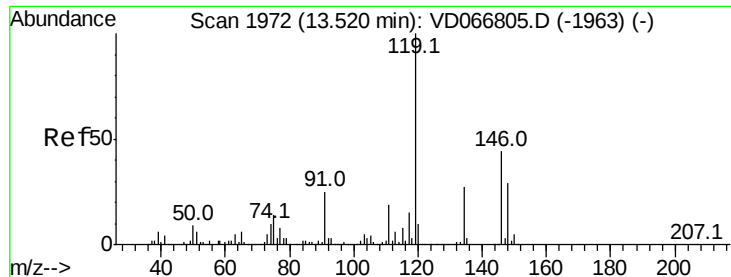
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 51.262 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

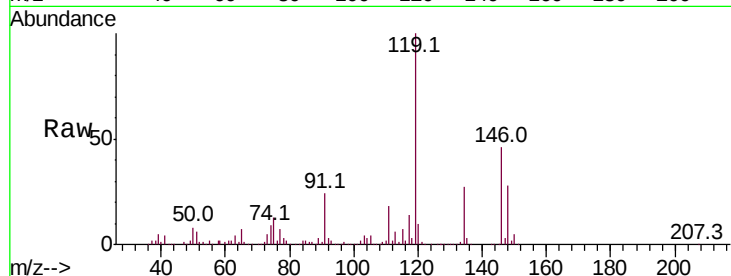
Tot Ion:146 Resp: 469064

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.9

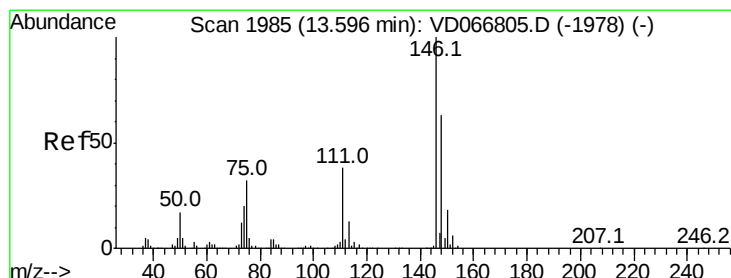
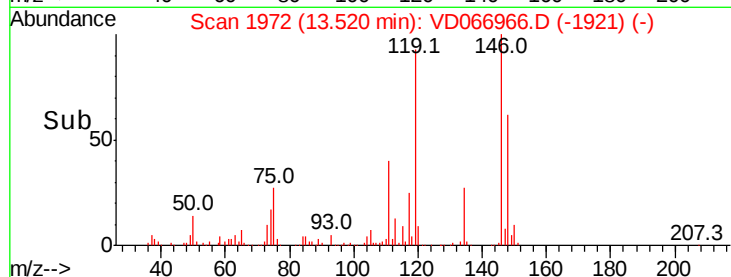
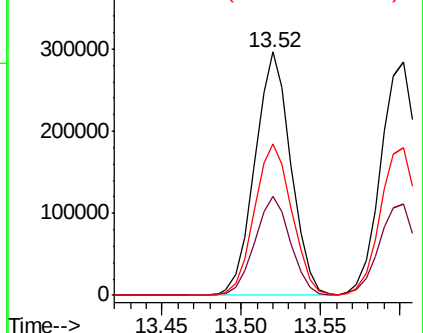
148 64.4 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.158 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

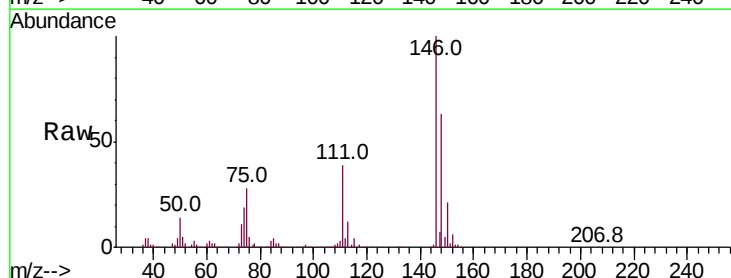
Tgt Ion:146 Resp: 464937

Ion Ratio Lower Upper

146 100

111 39.8 20.2 60.5

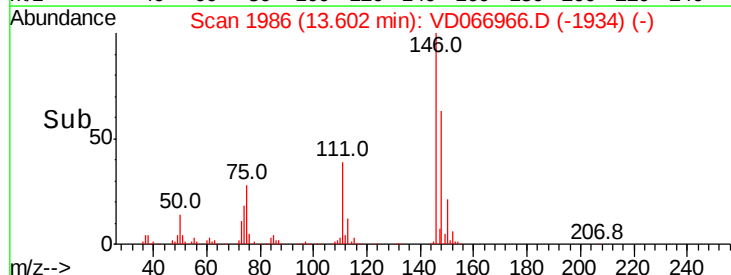
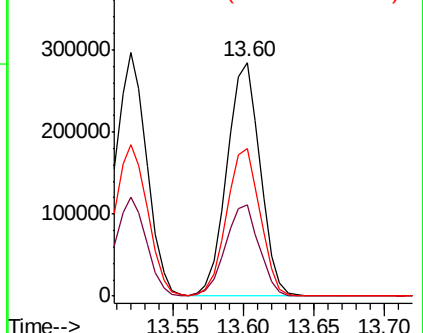
148 64.1 31.6 94.7

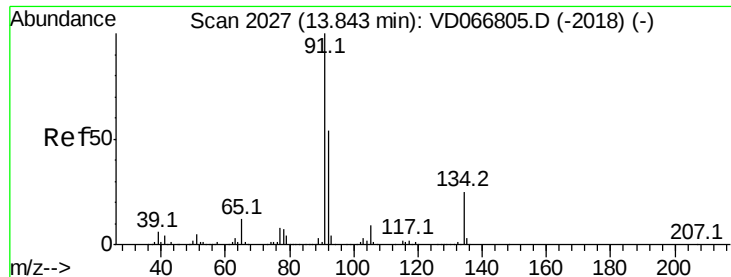


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

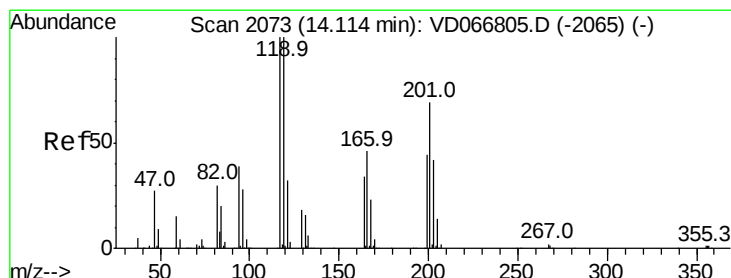
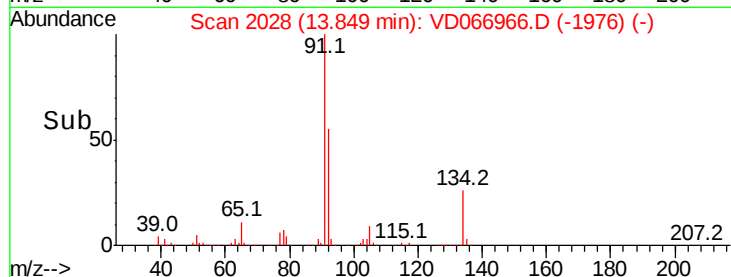
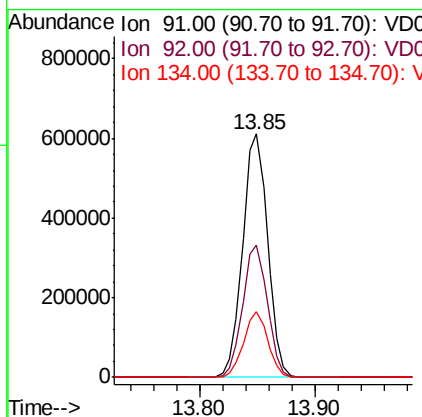
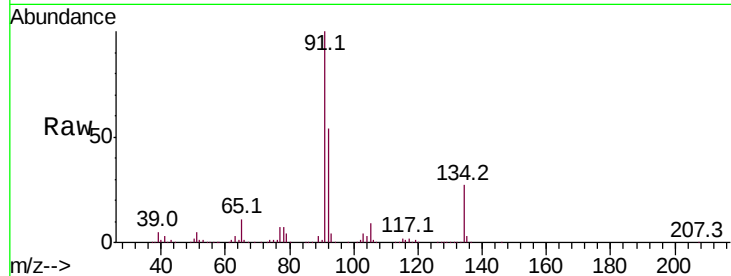




#89
n-Butylbenzene
Concen: 54.087 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

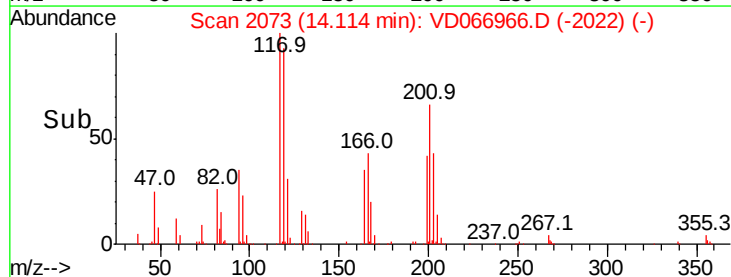
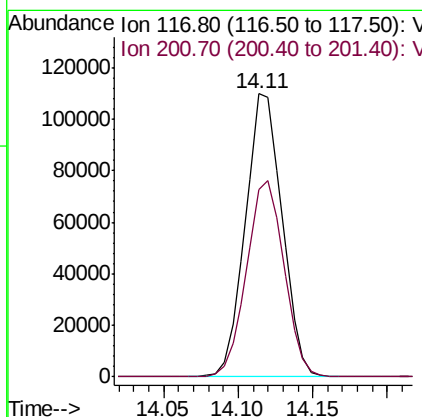
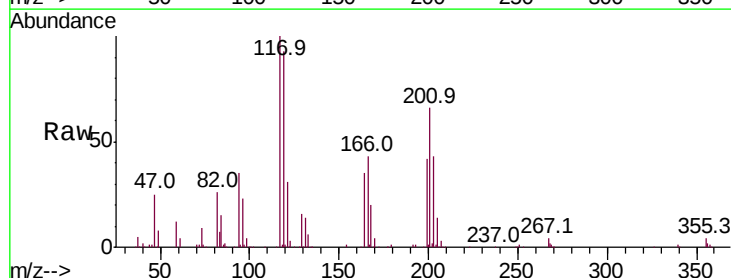
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

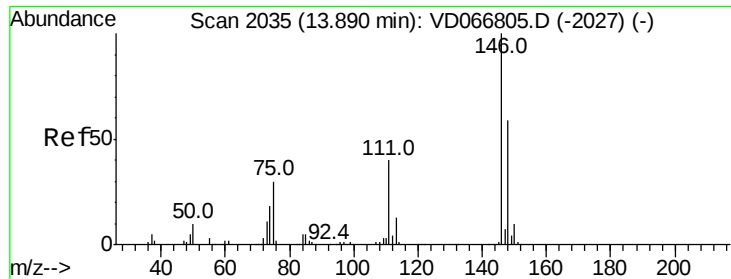
Tot Ion: 91 Resp: 920104
Ion Ratio Lower Upper
91 100
92 53.9 26.7 80.0
134 26.4 13.1 39.1



#90
Hexachloroethane
Concen: 51.526 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion: 117 Resp: 187225
Ion Ratio Lower Upper
117 100
201 70.6 33.7 101.0





#91

1,2-Dichlorobenzene

Concen: 51.639 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

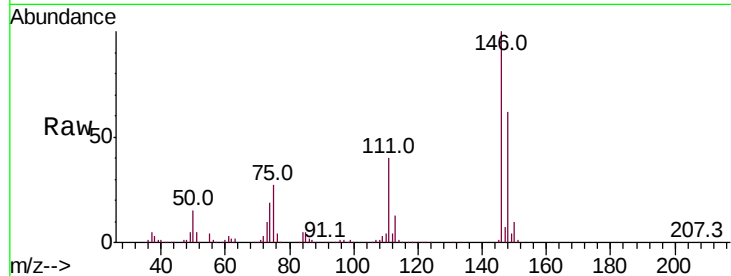
Tot Ion:146 Resp: 404259

Ion Ratio Lower Upper

146 100

111 40.7 20.9 62.7

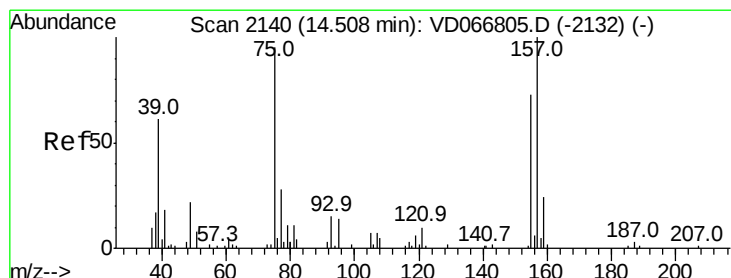
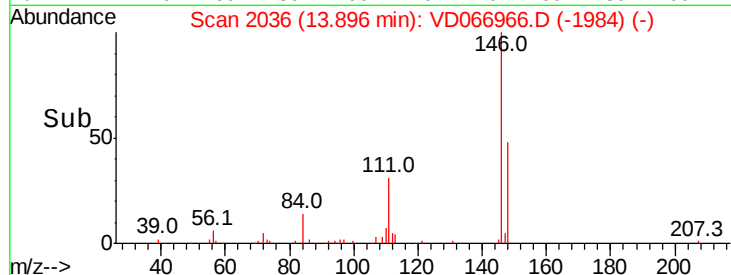
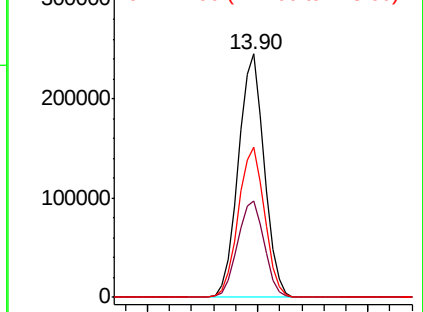
148 62.8 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.961 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

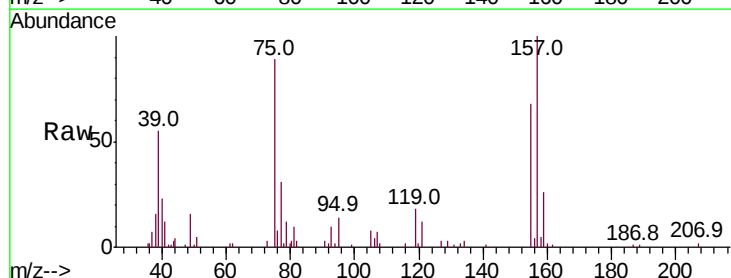
Tgt Ion: 75 Resp: 25265

Ion Ratio Lower Upper

75 100

155 85.9 40.4 121.2

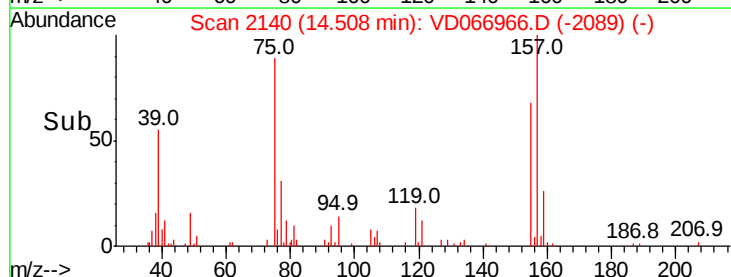
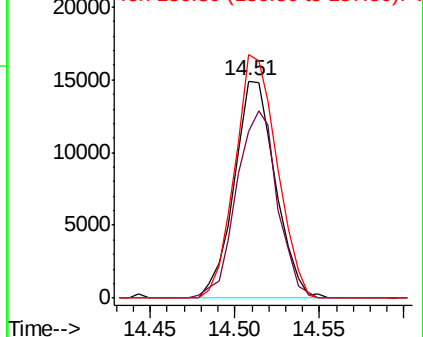
157 113.8 51.3 153.9

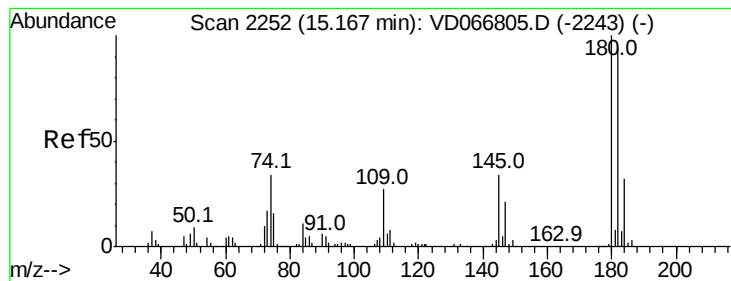


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 55.898 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

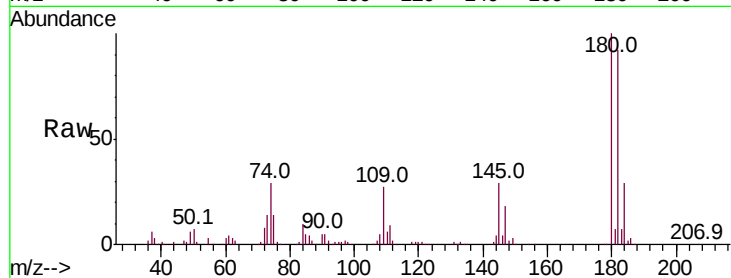
Tot Ion:180 Resp: 275476

Ion Ratio Lower Upper

180 100

182 93.9 48.8 146.3

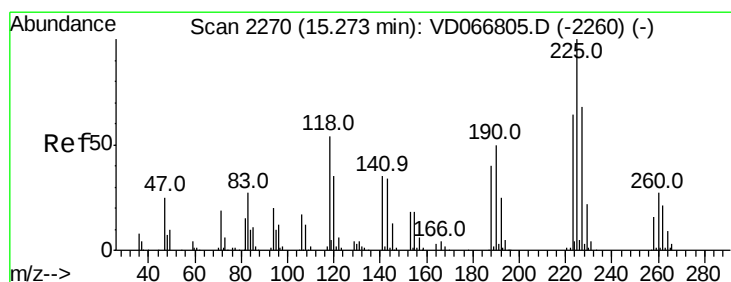
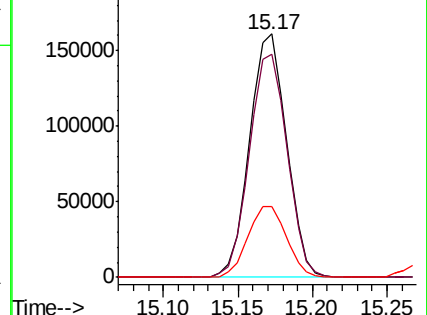
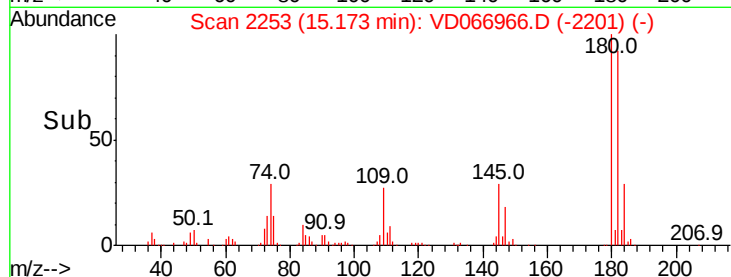
145 30.8 16.7 50.0



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: 56.706 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. 0.01 min

Lab File: VD066966.D

Acq: 30 Sep 2020 10:39

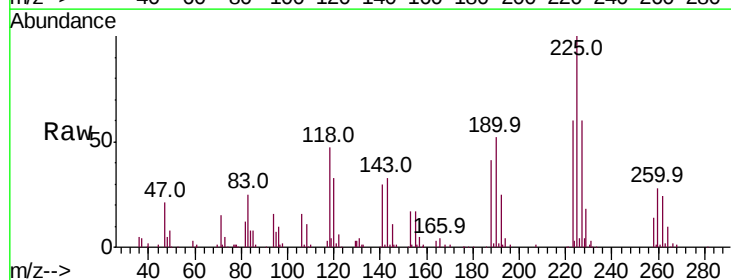
Tgt Ion:225 Resp: 167463

Ion Ratio Lower Upper

225 100

223 60.9 31.1 93.3

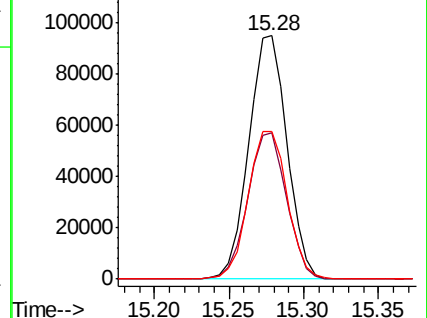
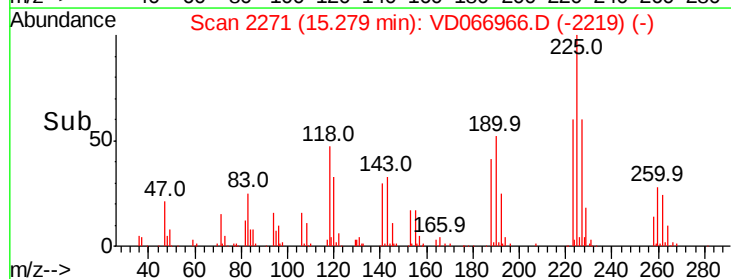
227 62.4 31.7 95.1

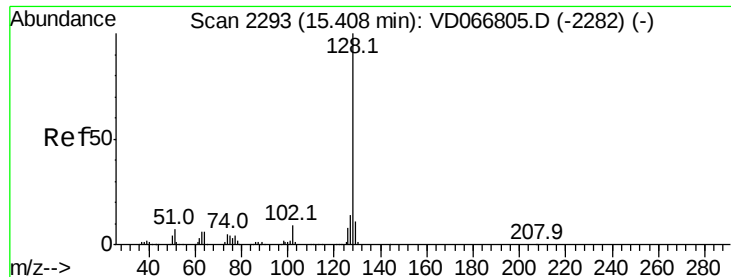


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

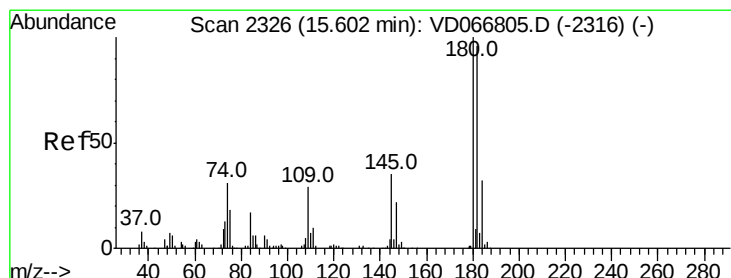
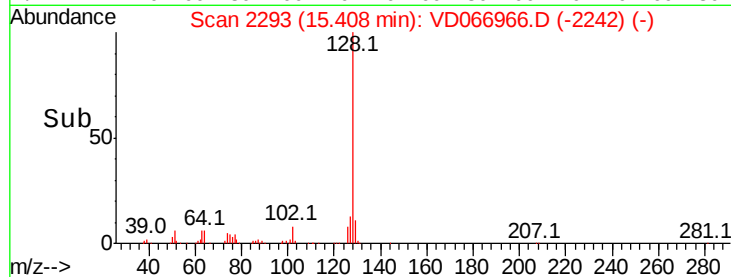
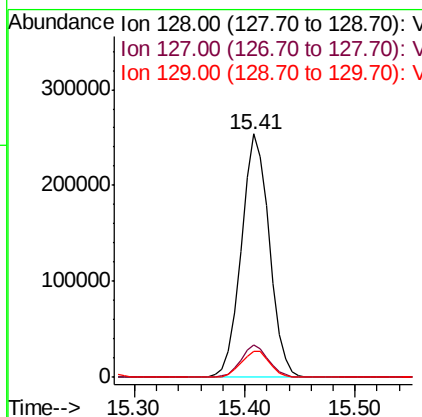
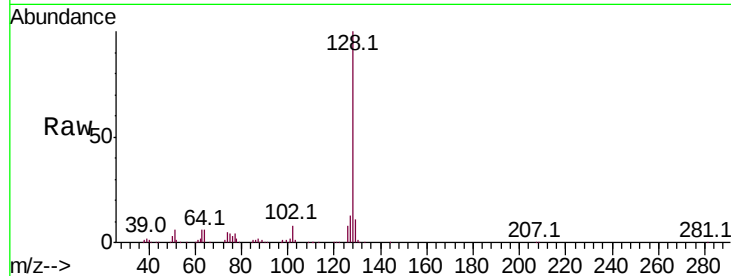




#95
Naphthalene
Concen: 53.968 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 451543
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 53.253 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066966.D
Acq: 30 Sep 2020 10:39

Tgt Ion:180 Resp: 226514
Ion Ratio Lower Upper
180 100
182 98.0 46.8 140.3
145 35.0 17.0 51.0

