

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066013.D
 Acq On : 22 Jul 2020 20:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 23 01:07:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	311038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	486882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	456803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	237424	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	144549	57.11	ug/l	0.00
Spiked Amount						
			Recovery	=	114.22%	
35) Dibromofluoromethane	7.91	113	149156	50.51	ug/l	0.00
Spiked Amount						
			Recovery	=	101.02%	
50) Toluene-d8	10.34	98	554639	50.42	ug/l	0.00
Spiked Amount						
			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.64	95	197278	51.72	ug/l	0.00
Spiked Amount						
			Recovery	=	103.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	95115	40.295	ug/l	96
3) Chloromethane	2.20	50	89195	46.304	ug/l	98
4) Vinyl Chloride	2.35	62	81630	44.499	ug/l	99
5) Bromomethane	2.77	94	63756	49.355	ug/l	96
6) Chloroethane	2.92	64	53752	49.086	ug/l	98
7) Trichlorofluoromethane	3.27	101	203970	45.714	ug/l	95
8) Diethyl Ether	3.70	74	66119	53.611	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	123084	45.686	ug/l	99
10) Methyl Iodide	4.30	142	147776	53.541	ug/l	98
11) Tert butyl alcohol	5.21	59	37318	232.469	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	124972	48.595	ug/l	96
13) Acrolein	3.91	56	54459	255.397	ug/l	99
14) Allyl chloride	4.71	41	206804	51.444	ug/l	98
15) Acrylonitrile	5.42	53	147235	279.437	ug/l	99
16) Acetone	4.16	43	109185	213.132	ug/l	100
17) Carbon Disulfide	4.41	76	392408	47.041	ug/l	99
18) Methyl Acetate	4.71	43	63589	53.358	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	300345	56.842	ug/l	96
20) Methylene Chloride	4.96	84	158305	56.257	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	150361	51.732	ug/l	96
22) Diisopropyl ether	6.36	45	428892	56.158	ug/l	98
23) Vinyl Acetate	6.31	43	1237827	287.385	ug/l	97
24) 1,1-Dichloroethane	6.27	63	249705	53.961	ug/l	96
25) 2-Butanone	7.21	43	178033	261.905	ug/l	98
26) 2,2-Dichloropropane	7.21	77	195778	47.047	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	166781	54.196	ug/l	99
28) Bromochloromethane	7.55	49	111015	56.523	ug/l	95
29) Tetrahydrofuran	7.56	42	118460	282.440	ug/l	97
30) Chloroform	7.71	83	262245	54.177	ug/l	98
31) Cyclohexane	7.98	56	202877	44.563	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	229266	51.204	ug/l	100
36) 1,1-Dichloropropene	8.11	75	192079	46.225	ug/l	98
37) Ethyl Acetate	7.29	43	82479	51.974	ug/l	99
38) Carbon Tetrachloride	8.10	117	207756	46.079	ug/l	97

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

39) Methylcyclohexane	9.36	83	225724	44.857	ug/l	97
40) Benzene	8.35	78	580804	49.961	ug/l	98
41) Methacrylonitrile	7.52	41	51141	56.256	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	167219	52.493	ug/l	99
43) Isopropyl Acetate	8.46	43	164037	52.924	ug/l	98
44) Trichloroethene	9.11	130	169186	48.093	ug/l	95
45) 1,2-Dichloropropane	9.39	63	142755	50.703	ug/l	95
46) Dibromomethane	9.48	93	81614	53.847	ug/l	99
47) Bromodichloromethane	9.66	83	207223	51.707	ug/l	97
48) Methyl methacrylate	9.46	41	78700	50.338	ug/l	93
49) 1,4-Dioxane	9.46	88	18040	1027.339	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	423621	271.259	ug/l	100
52) Toluene	10.41	92	395037	52.107	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	196009	52.498	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	233993	51.701	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	112939	52.539	ug/l	94
56) Ethyl methacrylate	10.67	69	138889	55.572	ug/l	99
57) 1,3-Dichloropropane	10.95	76	191454	53.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	307290	257.383	ug/l	99
59) 2-Hexanone	10.99	43	286945	265.143	ug/l	96
60) Dibromochloromethane	11.14	129	154005	53.135	ug/l	99
61) 1,2-Dibromoethane	11.25	107	111898	53.989	ug/l	99
64) Tetrachloroethene	10.88	164	146971	47.403	ug/l	98
65) Chlorobenzene	11.67	112	426322	50.972	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	162498	52.618	ug/l	99
67) Ethyl Benzene	11.75	91	726641	50.484	ug/l	97
68) m/p-Xylenes	11.86	106	559681	101.167	ug/l	100
69) o-Xylene	12.18	106	263503	52.368	ug/l	98
70) Styrene	12.20	104	467909	54.122	ug/l	99
71) Bromoform	12.37	173	96756	53.487	ug/l #	99
73) Isopropylbenzene	12.48	105	710126	49.429	ug/l	100
74) N-amyl acetate	12.30	43	159979	53.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	120292	50.665	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	154367	86.350	ug/l #	100
77) Bromobenzene	12.77	156	185061	50.404	ug/l	99
78) n-propylbenzene	12.83	91	814508	48.858	ug/l	100
79) 2-Chlorotoluene	12.91	91	474463	49.816	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	601877	50.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	39672	50.923	ug/l	95
82) 4-Chlorotoluene	13.01	91	500798	49.816	ug/l	100
83) tert-Butylbenzene	13.23	119	516475	50.005	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	598635	51.408	ug/l	100
85) sec-Butylbenzene	13.41	105	688021	48.362	ug/l	99
86) p-Isopropyltoluene	13.52	119	638533	49.404	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	339455	49.798	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	343994	49.918	ug/l	98
89) n-Butylbenzene	13.85	91	574781	47.828	ug/l	99
90) Hexachloroethane	14.12	117	127999	47.840	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	306167	51.832	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20177	51.853	ug/l	96

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QLast Update : Tue Jul 21 12:34:13 2020
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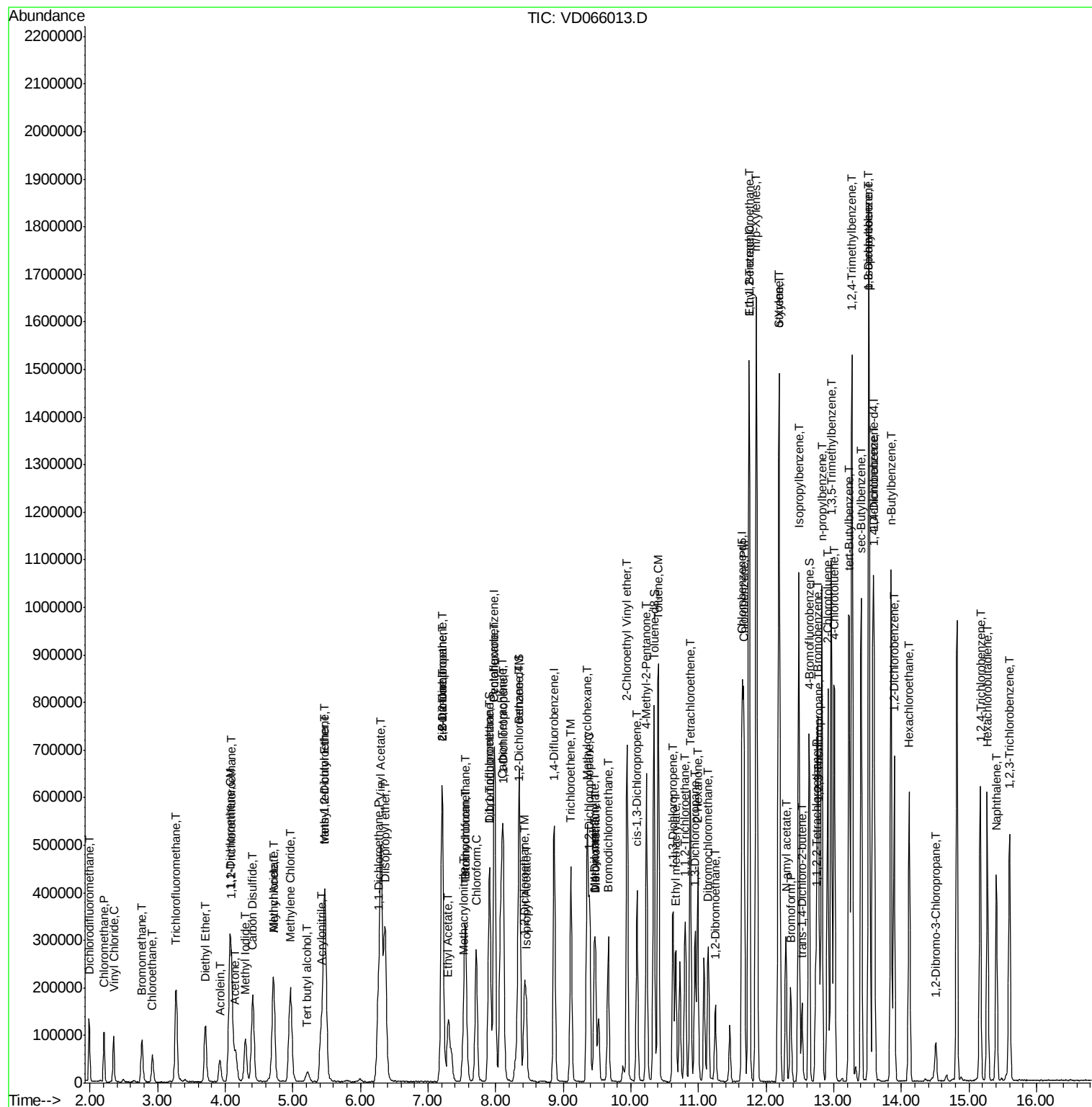
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	221282	52.190	ug/l	99
94) Hexachlorobutadiene	15.27	225	125084	47.719	ug/l	99
95) Naphthalene	15.41	128	382228	50.644	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	193177	52.409	ug/l	99

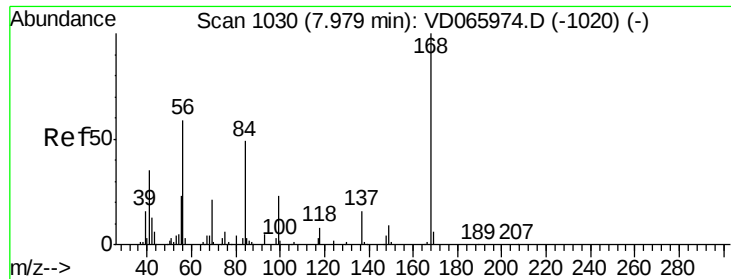
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

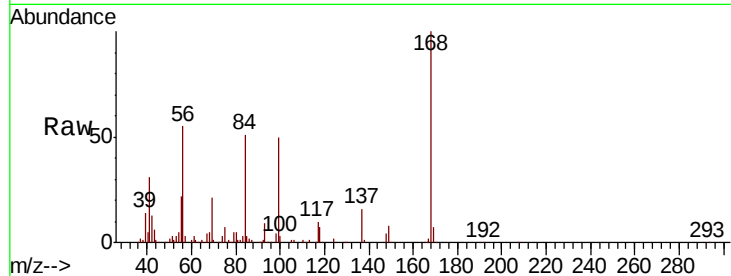
VSTDCCC050EC

Tot Ion:168 Resp: 311038

Ion Ratio Lower Upper

168 100

99 49.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

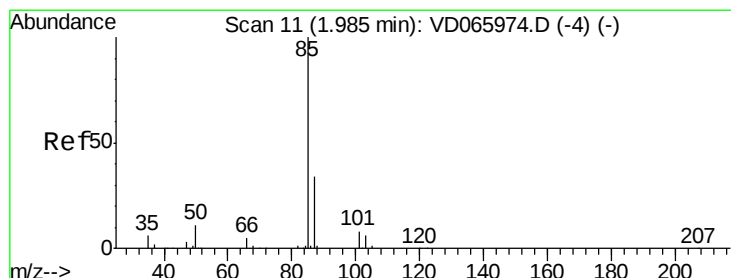
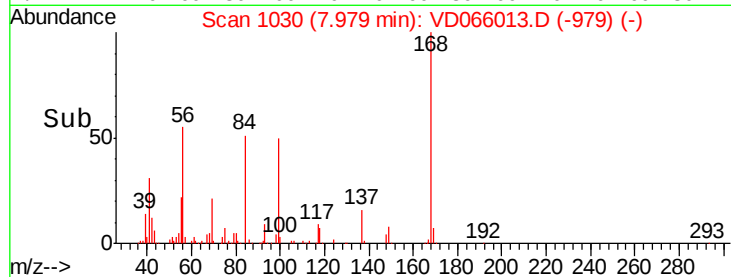
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 40.295 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066013.D

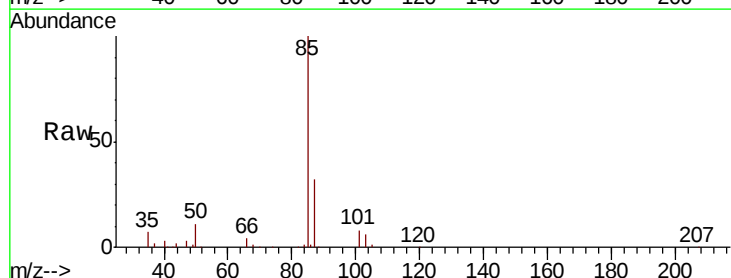
Acq: 22 Jul 2020 20:28

Tgt Ion: 85 Resp: 95115

Ion Ratio Lower Upper

85 100

87 32.2 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

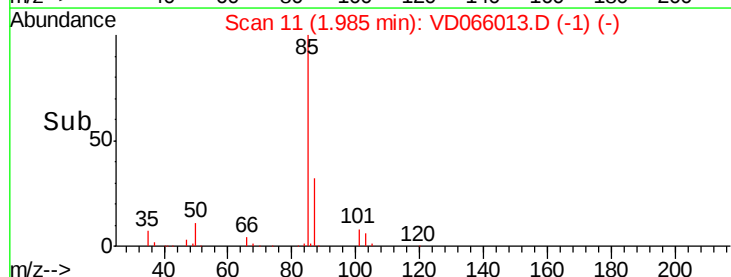
40000

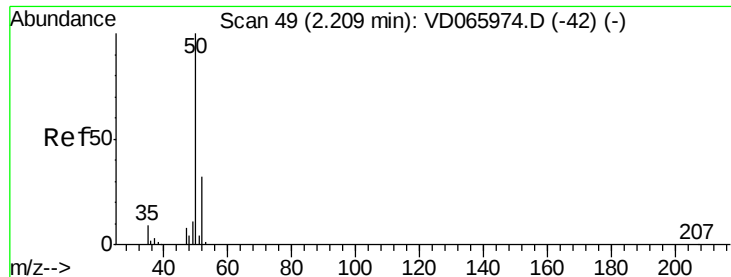
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 46.304 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

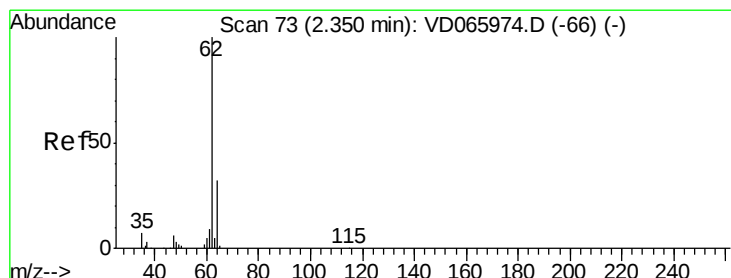
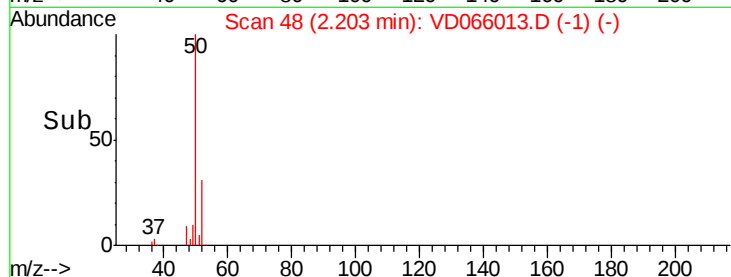
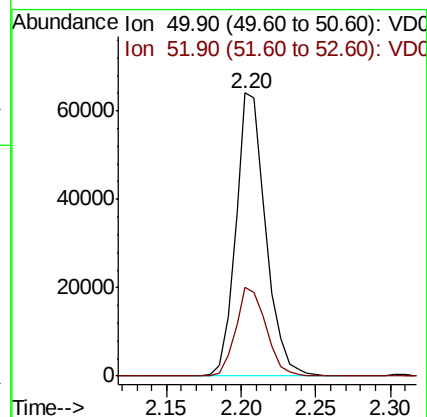
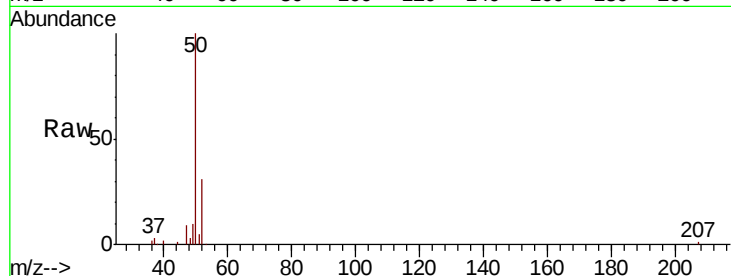
VSTDCCC050EC

Tot Ion: 50 Resp: 89195

Ion Ratio Lower Upper

50 100

52 31.2 25.8 38.8



#4

Vinyl Chloride

Concen: 44.499 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066013.D

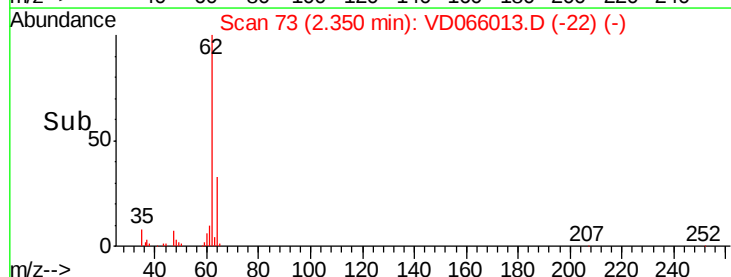
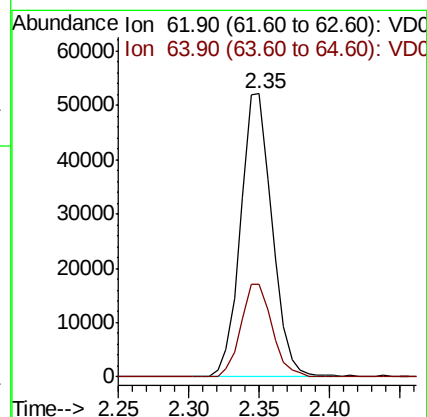
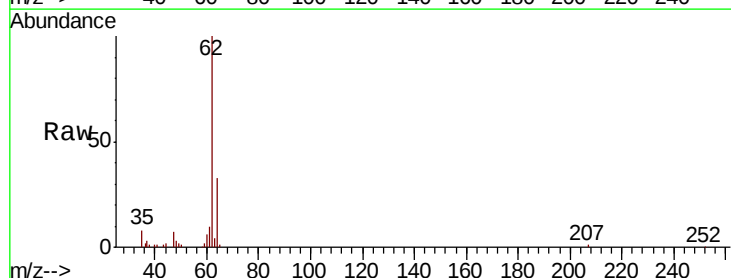
Acq: 22 Jul 2020 20:28

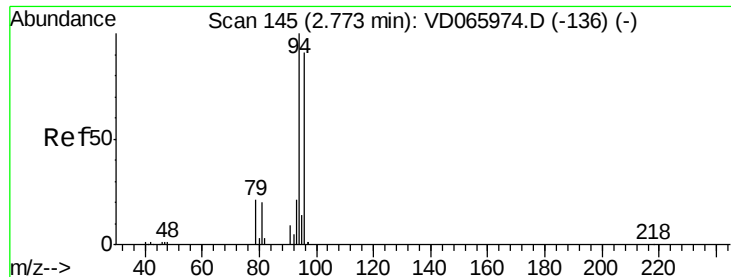
Tgt Ion: 62 Resp: 81630

Ion Ratio Lower Upper

62 100

64 32.9 25.8 38.8





#5

Bromomethane

Concen: 49.355 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

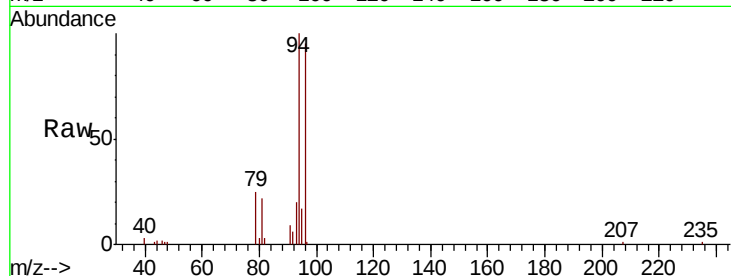
VSTDCCC050EC

Tot Ion: 94 Resp: 63756

Ion Ratio Lower Upper

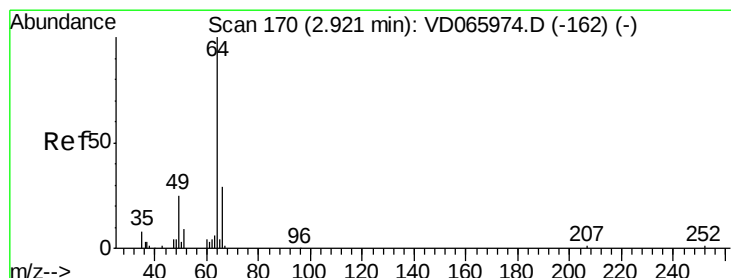
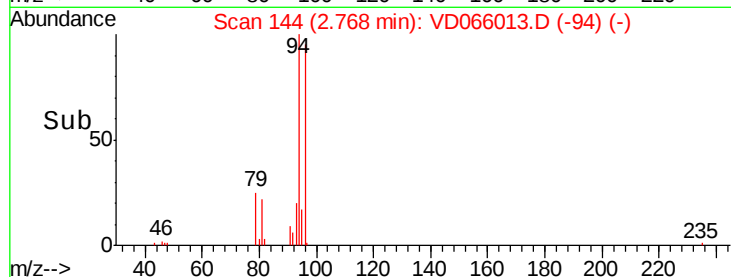
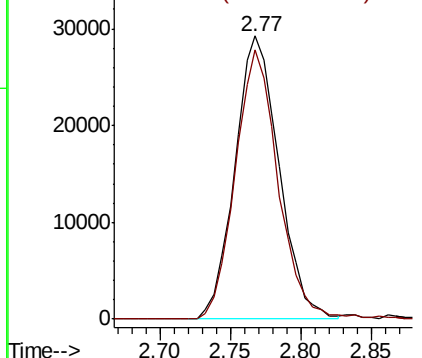
94 100

96 95.2 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.086 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066013.D

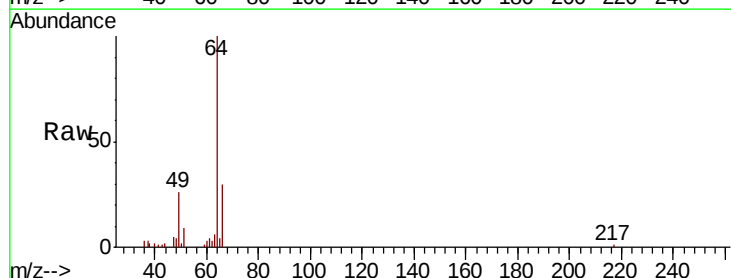
Acq: 22 Jul 2020 20:28

Tgt Ion: 64 Resp: 53752

Ion Ratio Lower Upper

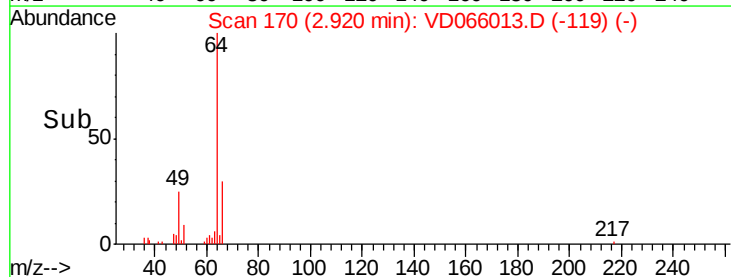
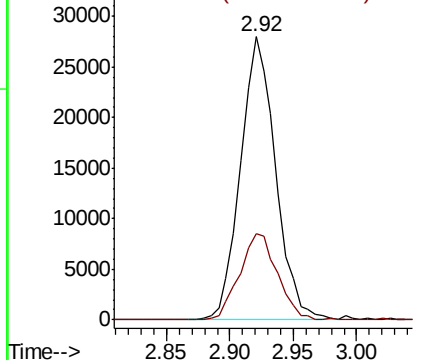
64 100

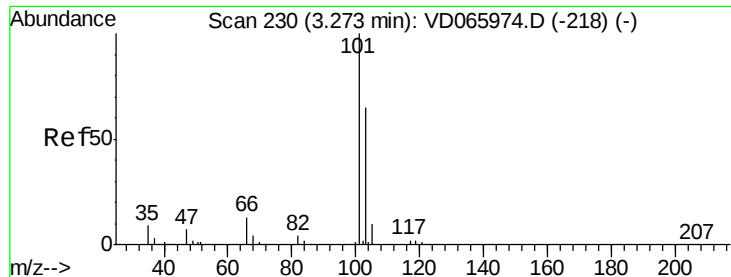
66 30.4 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 45.714 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

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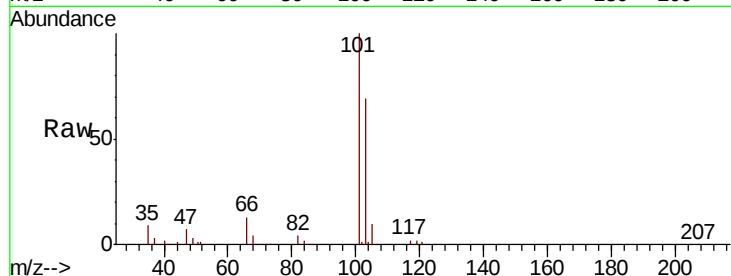
VSTDCCC050EC

Tot Ion:101 Resp: 203970

Ion Ratio Lower Upper

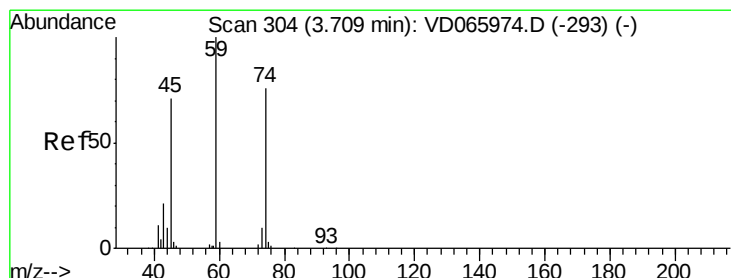
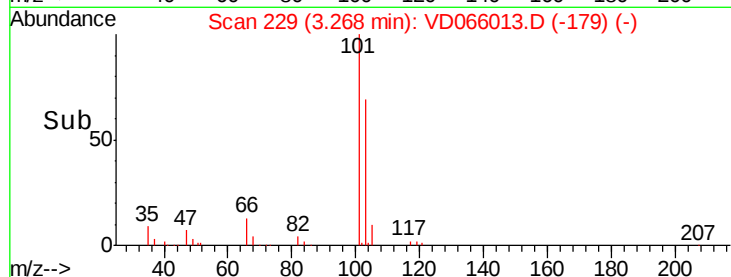
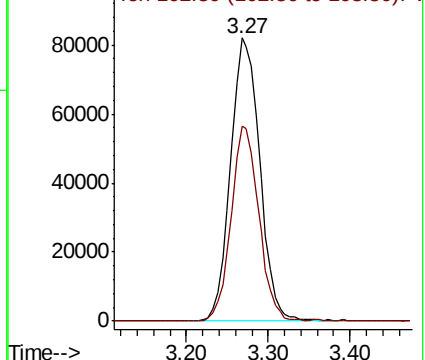
101 100

103 68.9 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 53.611 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD066013.D

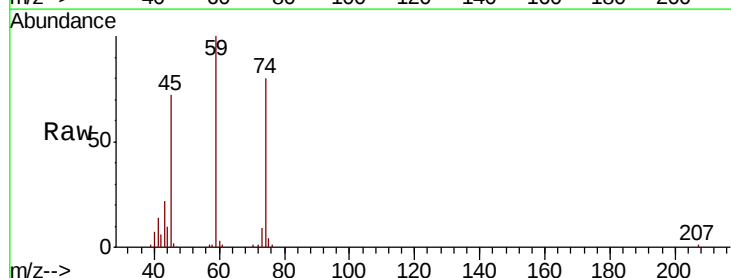
Acq: 22 Jul 2020 20:28

Tgt Ion: 74 Resp: 66119

Ion Ratio Lower Upper

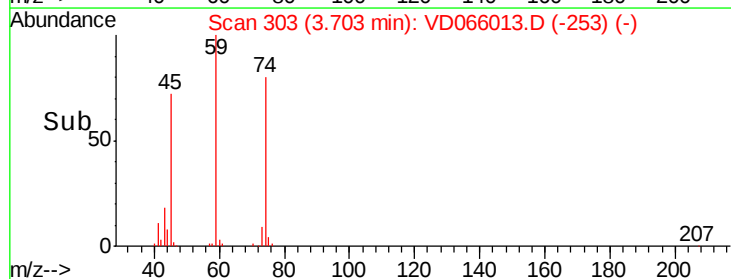
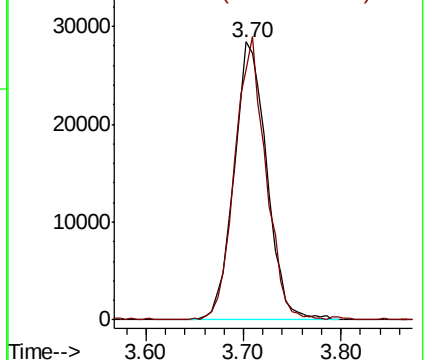
74 100

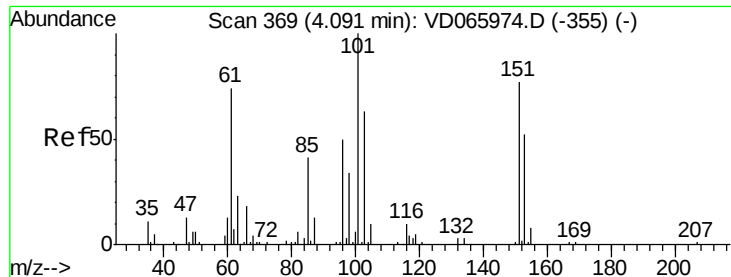
45 96.7 49.9 149.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.686 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

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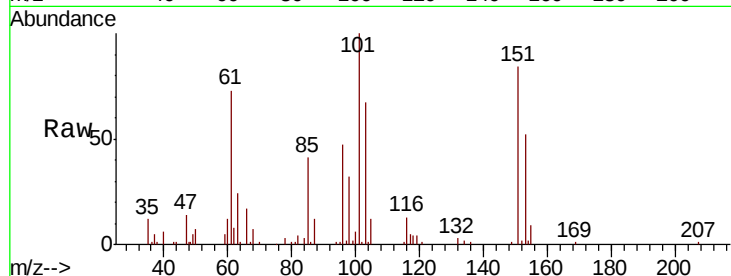
Tot Ion:101 Resp: 123084

Ion Ratio Lower Upper

101 100

85 41.4 33.6 50.4

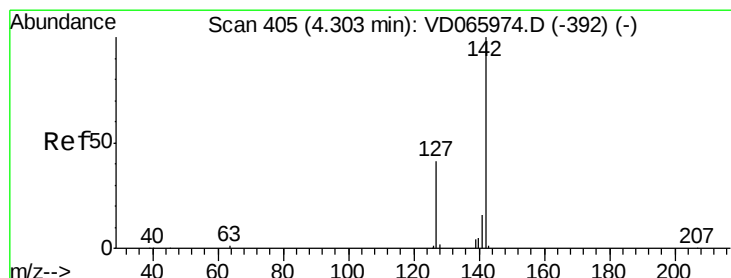
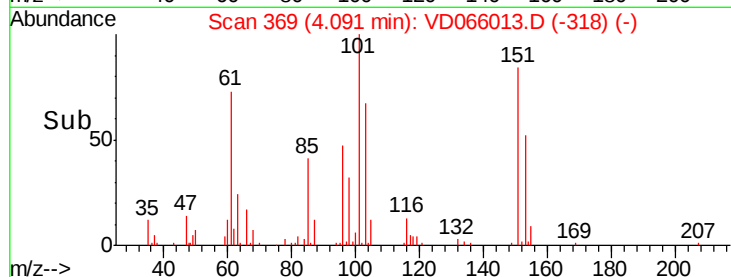
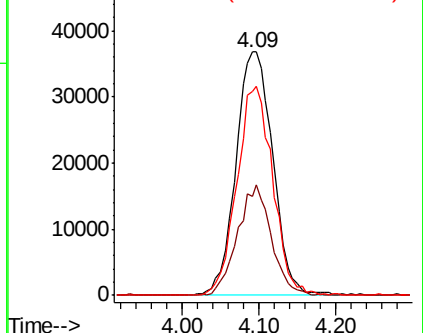
151 83.5 66.6 99.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.541 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

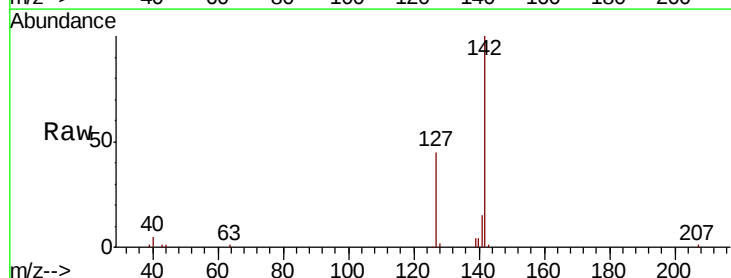
Tgt Ion:142 Resp: 147776

Ion Ratio Lower Upper

142 100

127 42.5 32.9 49.3

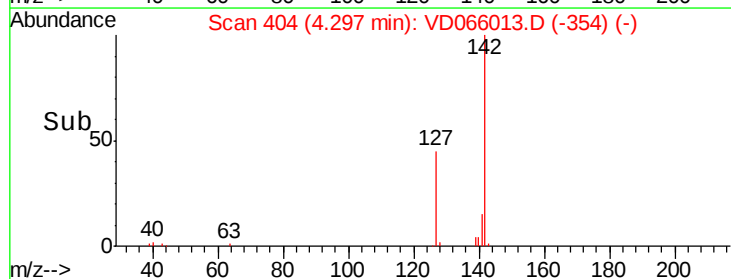
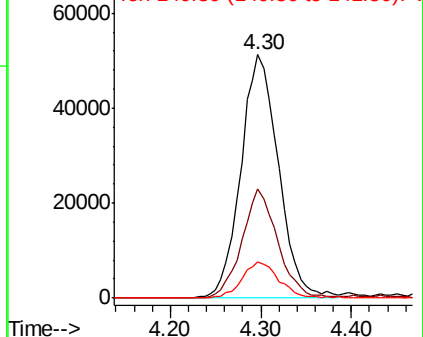
141 14.5 11.8 17.6

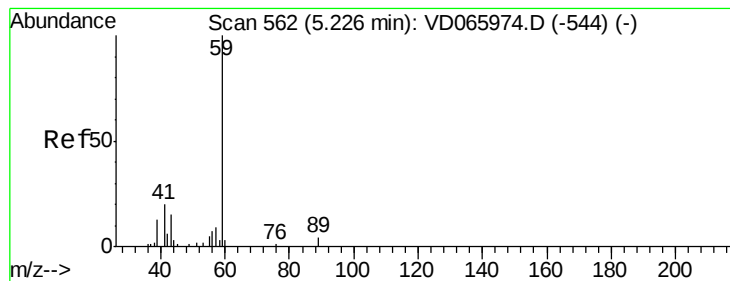


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 232.469 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

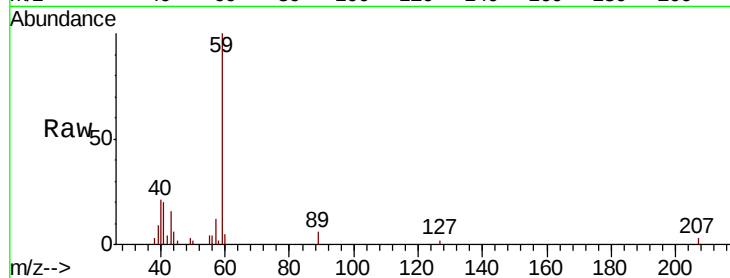
VSTDCCC050EC

Tot Ion: 59 Resp: 37318

Ion Ratio Lower Upper

59 100

57 7.5 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

12000

10000

8000

6000

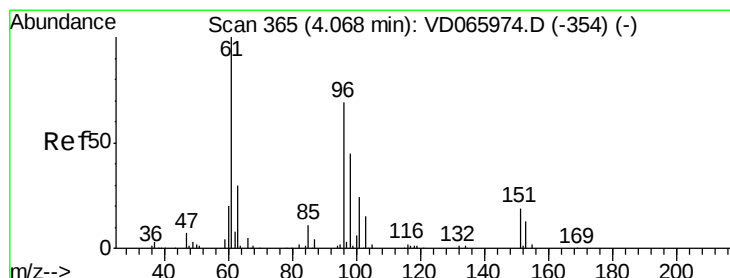
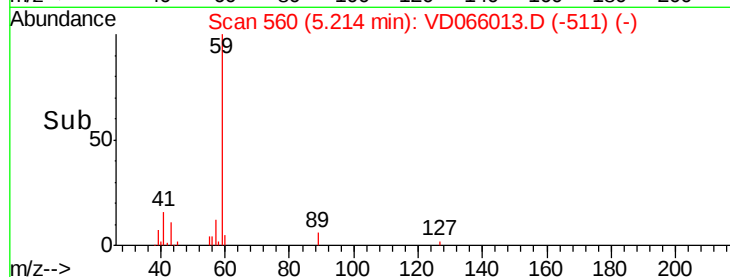
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 48.595 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

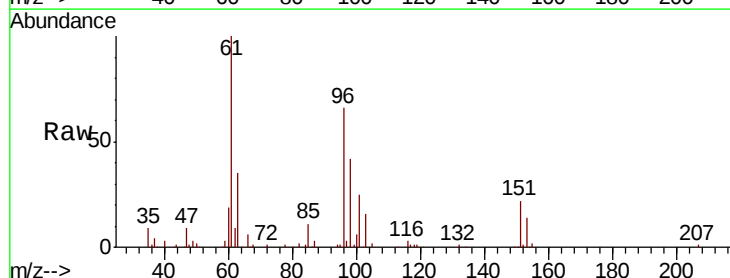
Tgt Ion: 96 Resp: 124972

Ion Ratio Lower Upper

96 100

61 150.5 115.4 173.0

98 62.7 51.5 77.3



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

80000

60000

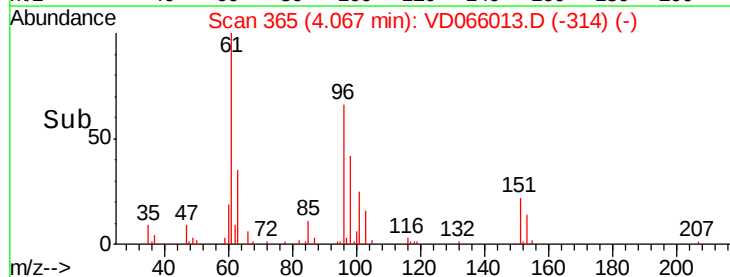
40000

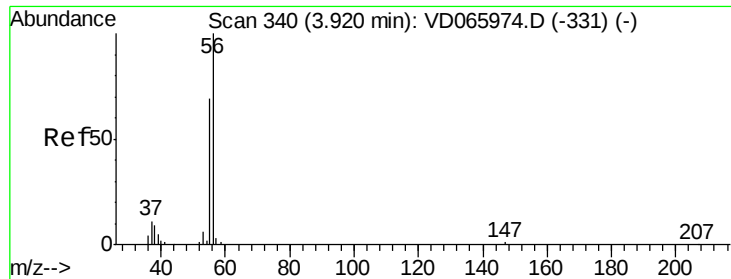
20000

0

Time-->

3.90 4.00 4.10 4.20





#13

Acrolein

Concen: 255.397 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

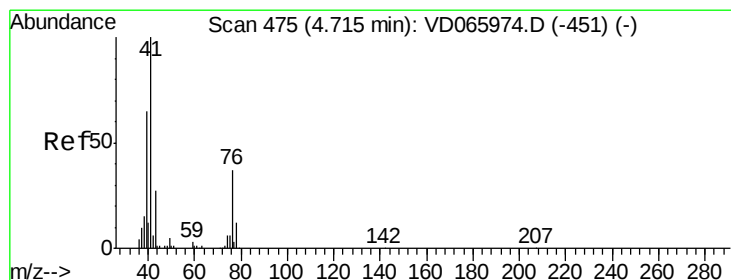
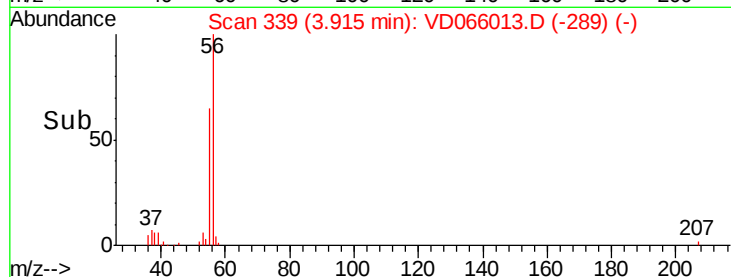
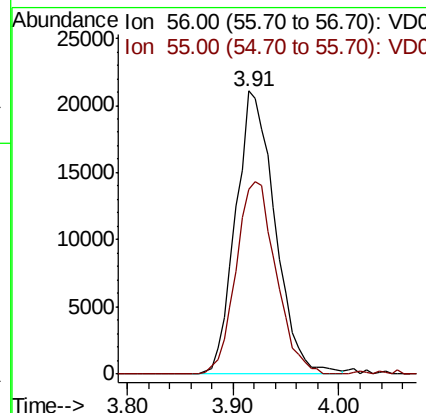
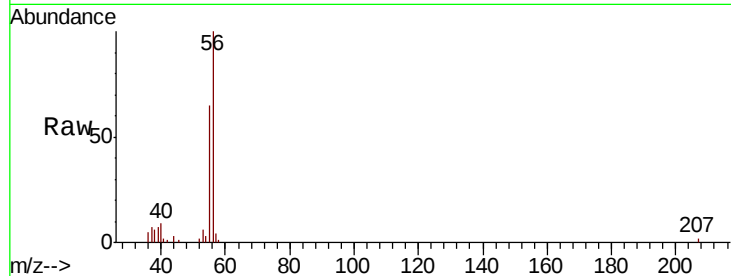
VSTDCCC050EC

Tot Ion: 56 Resp: 54459

Ion Ratio Lower Upper

56 100

55 68.6 55.8 83.8



#14

Allyl chloride

Concen: 51.444 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

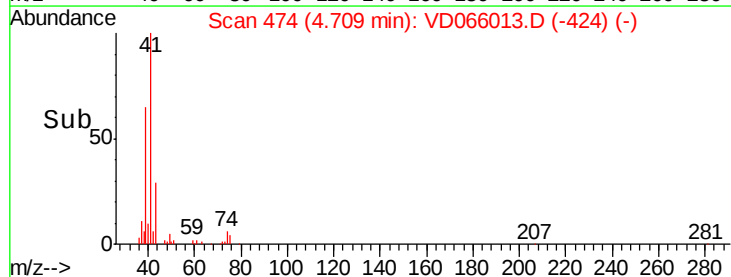
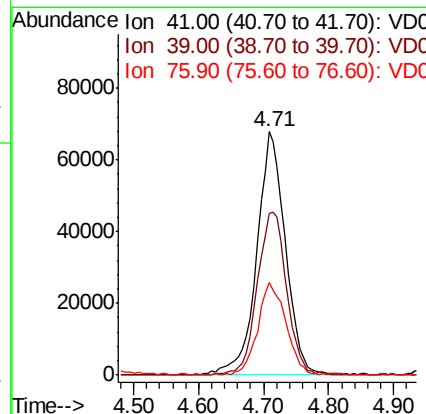
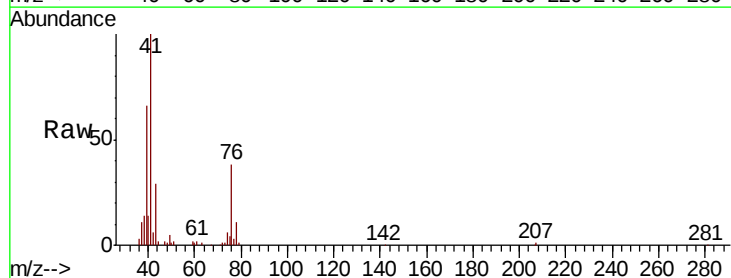
Tgt Ion: 41 Resp: 206804

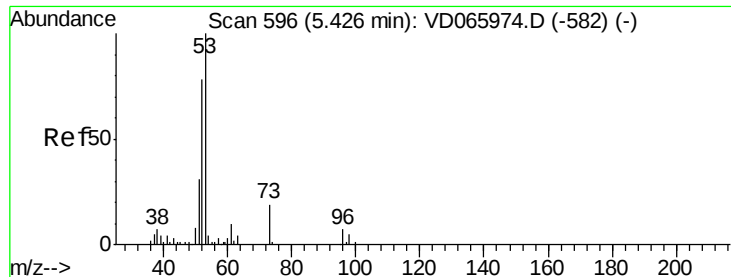
Ion Ratio Lower Upper

41 100

39 68.8 53.4 80.2

76 37.6 29.1 43.7





#15

Acrylonitrile

Concen: 279.437 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

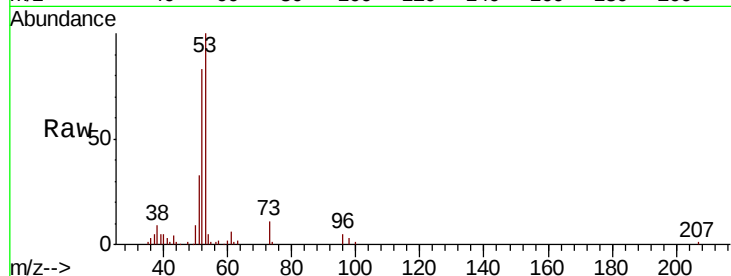
Tot Ion: 53 Resp: 147235

Ion Ratio Lower Upper

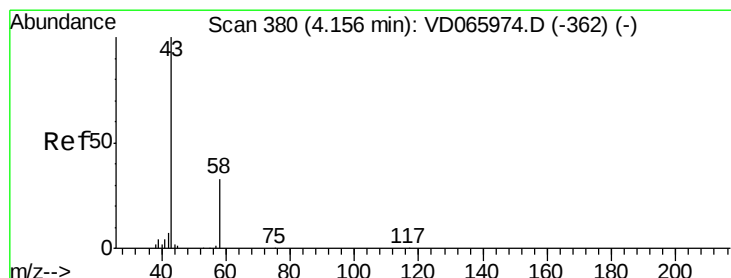
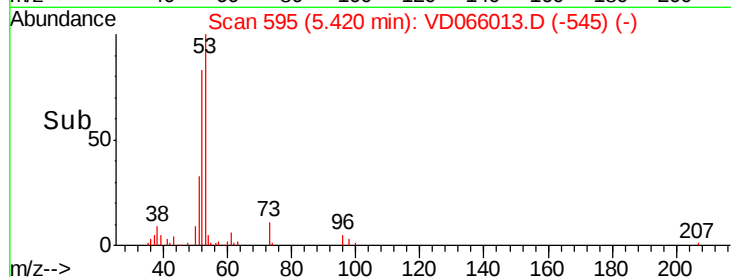
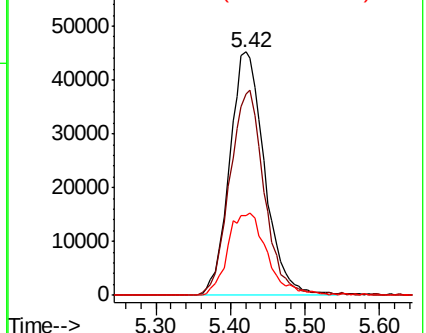
53 100

52 83.4 67.1 100.7

51 37.7 28.7 43.1



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: 213.132 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066013.D

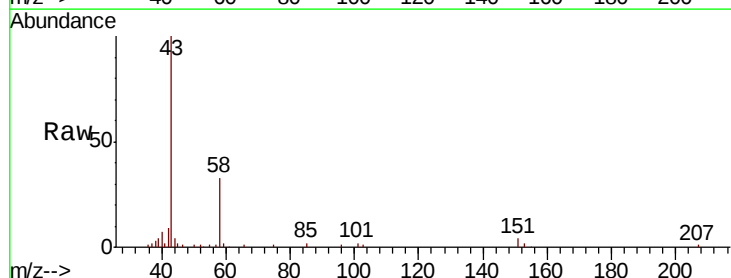
Acq: 22 Jul 2020 20:28

Tgt Ion: 43 Resp: 109185

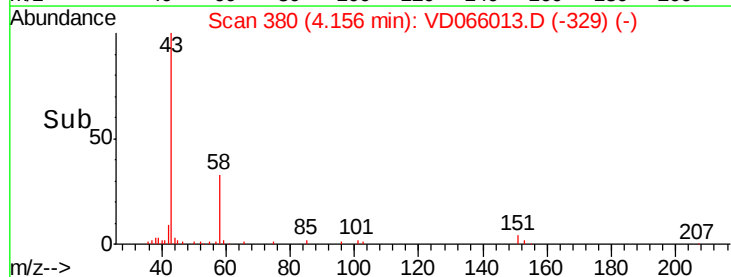
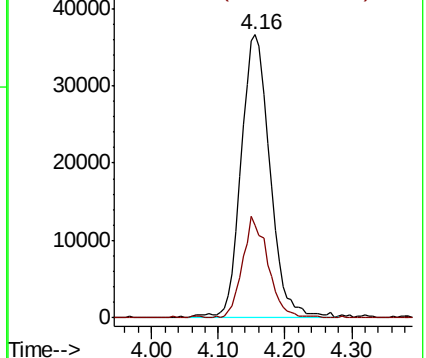
Ion Ratio Lower Upper

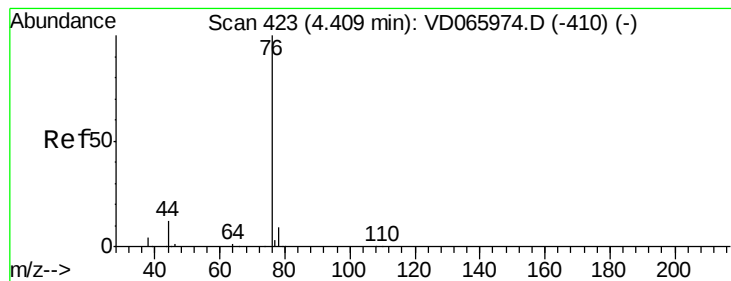
43 100

58 32.8 26.3 39.5



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





#17

Carbon Disulfide

Concen: 47.041 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

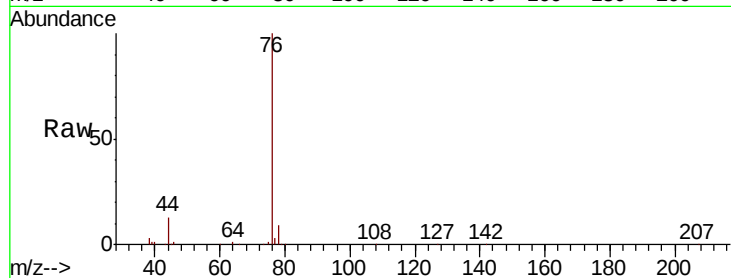
VSTDCCC050EC

Tot Ion: 76 Resp: 392408

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

150000

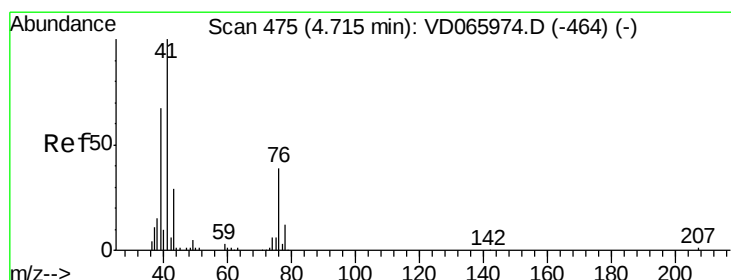
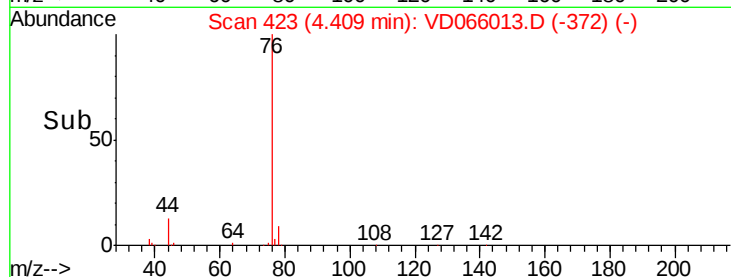
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 53.358 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066013.D

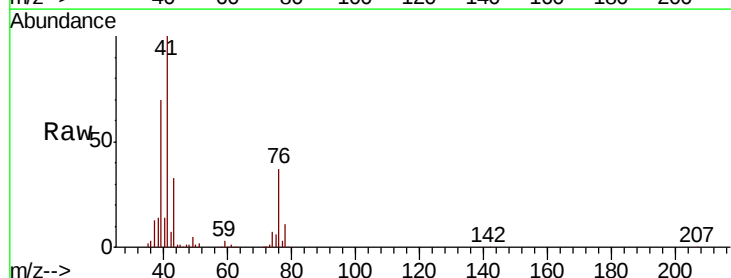
Acq: 22 Jul 2020 20:28

Tgt Ion: 43 Resp: 63589

Ion Ratio Lower Upper

43 100

74 25.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

15000

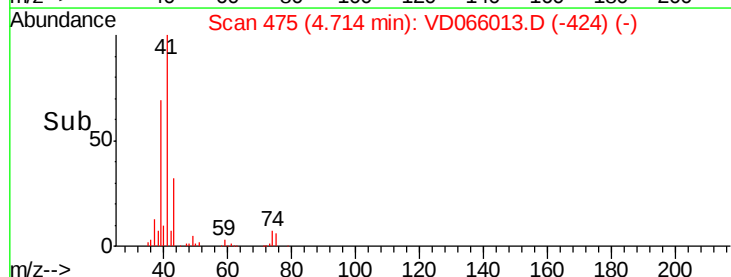
10000

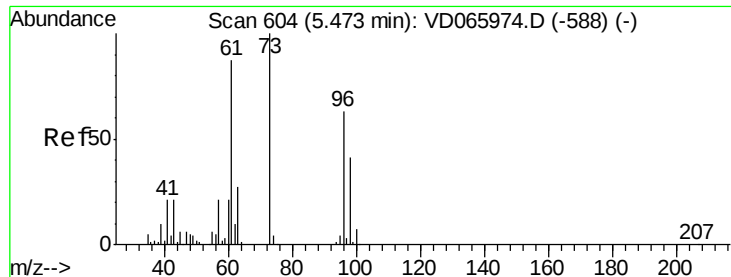
5000

0

4.60 4.70 4.80 4.90

Time-->

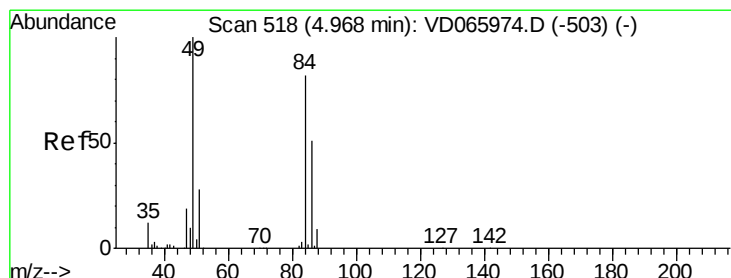
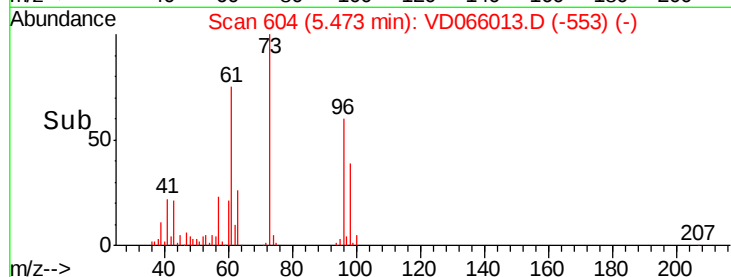
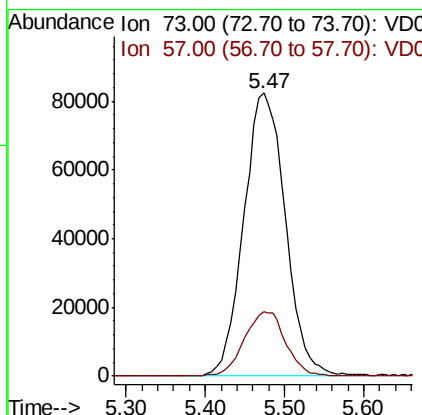
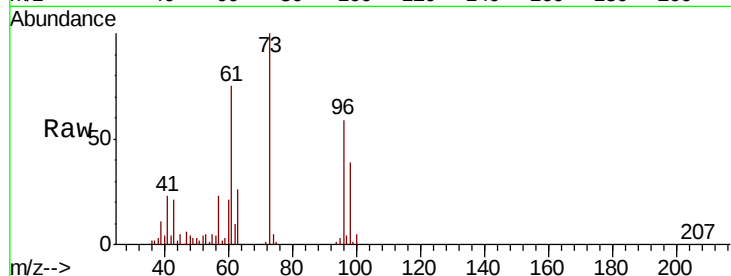




#19
Methyl tert-butyl Ether
Concen: 56.842 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

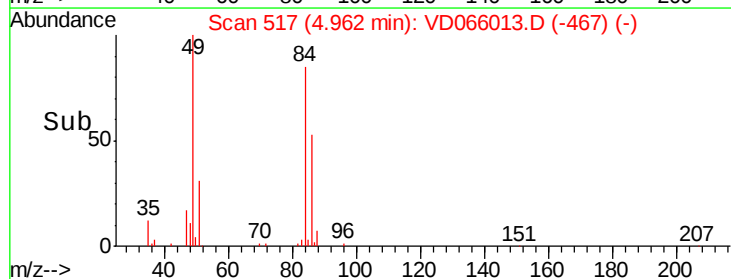
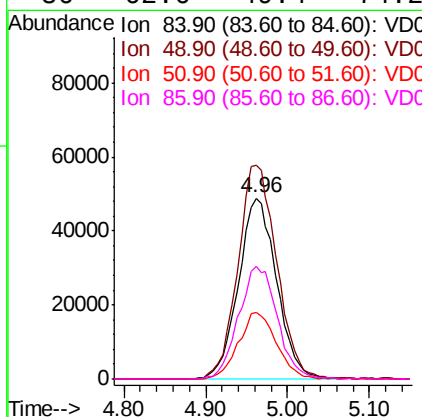
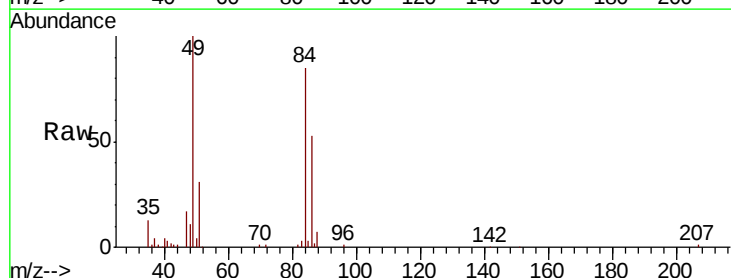
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

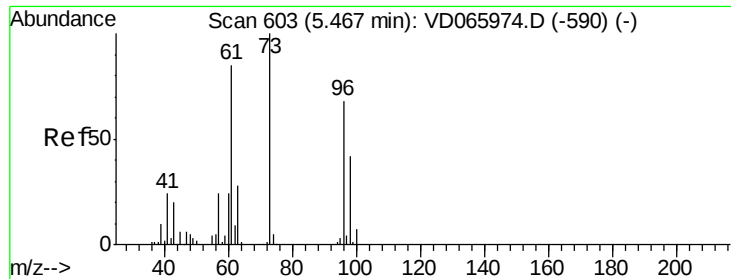
Tot Ion: 73 Resp: 300345
Ion Ratio Lower Upper
73 100
57 23.0 17.0 25.4



#20
Methylene Chloride
Concen: 56.257 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion: 84 Resp: 158305
Ion Ratio Lower Upper
84 100
49 118.2 97.7 146.5
51 36.8 27.4 41.2
86 62.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 51.732 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

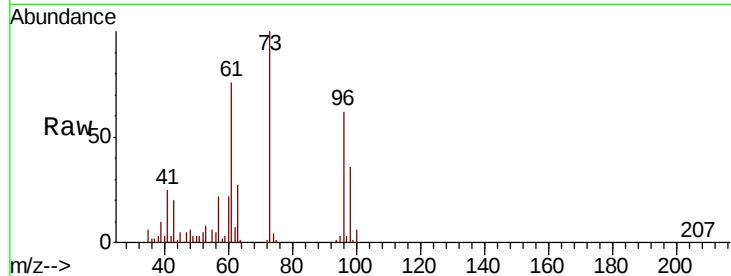
Tot Ion: 96 Resp: 150361

Ion Ratio Lower Upper

96 100

61 121.9 100.5 150.7

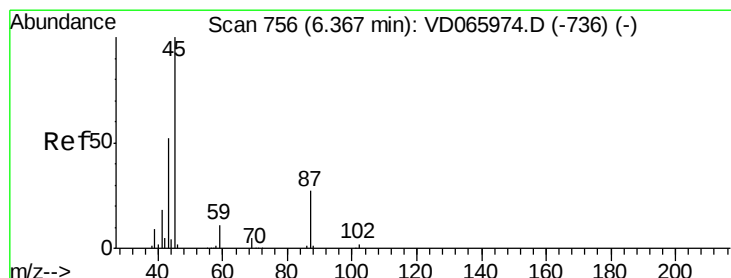
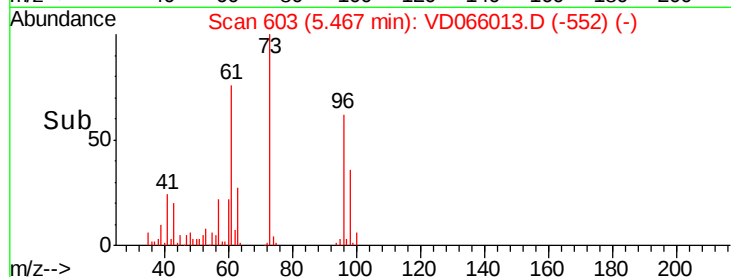
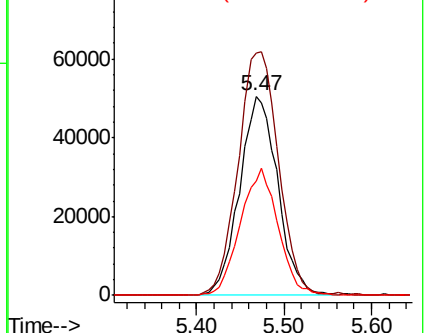
98 57.5 49.7 74.5



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



#22

Diisopropyl ether

Concen: 56.158 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Tgt Ion: 45 Resp: 428892

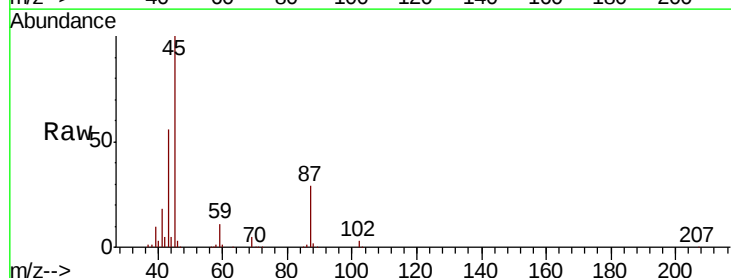
Ion Ratio Lower Upper

45 100

43 55.2 43.0 64.4

87 28.5 22.0 33.0

59 11.5 9.1 13.7

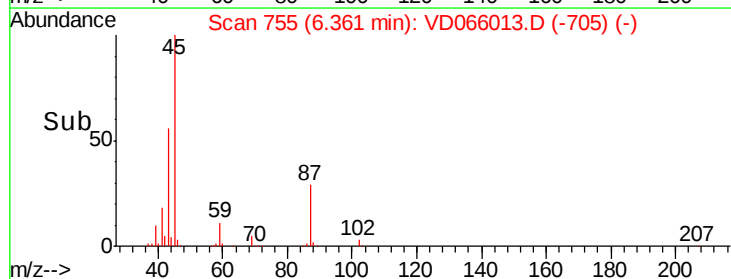
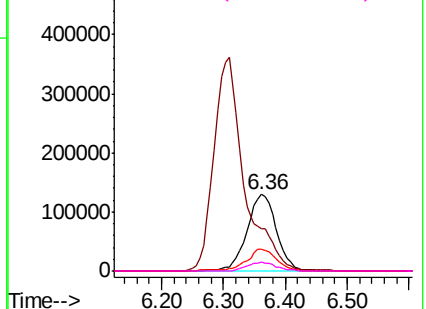


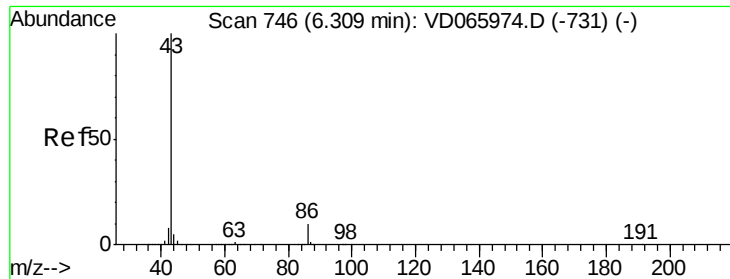
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 287.385 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

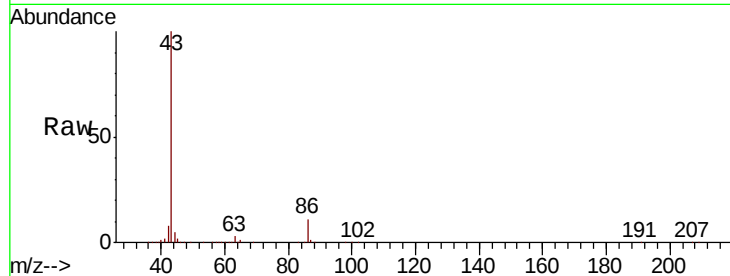
VSTDCCC050EC

Tot Ion: 43 Resp: 1237827

Ion Ratio Lower Upper

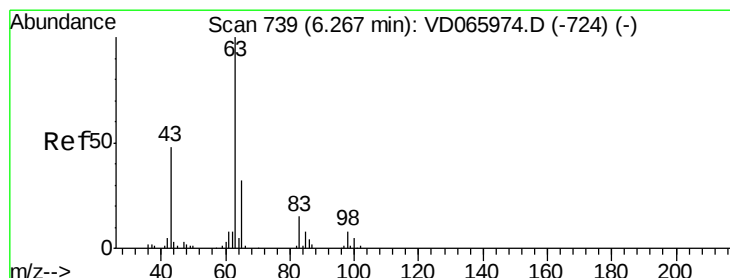
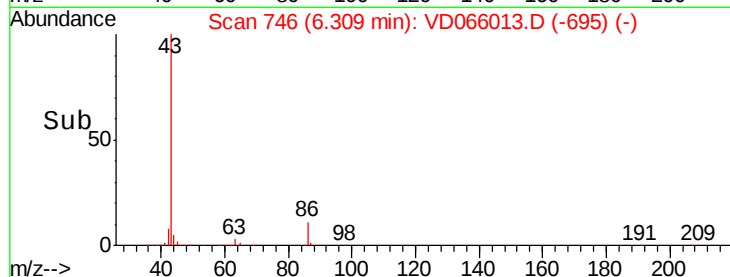
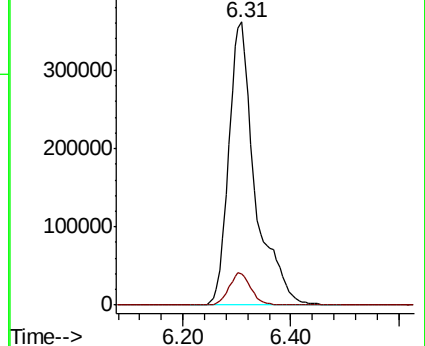
43 100

86 11.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.961 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

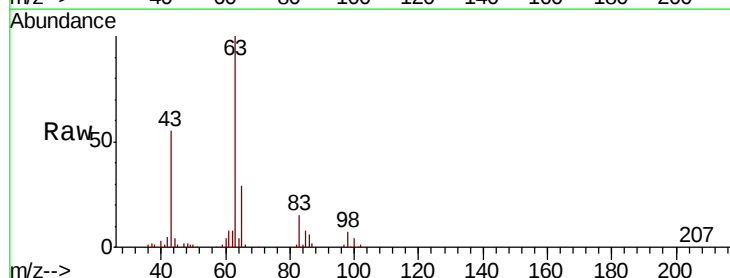
Tgt Ion: 63 Resp: 249705

Ion Ratio Lower Upper

63 100

98 6.6 4.3 12.8

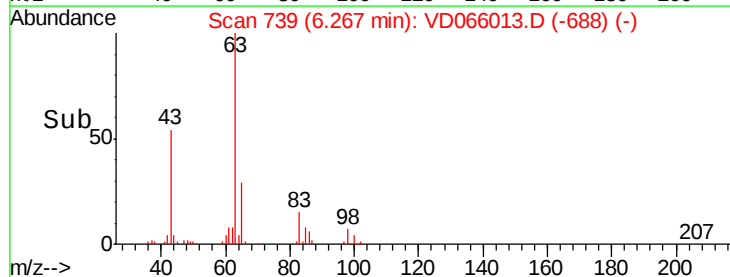
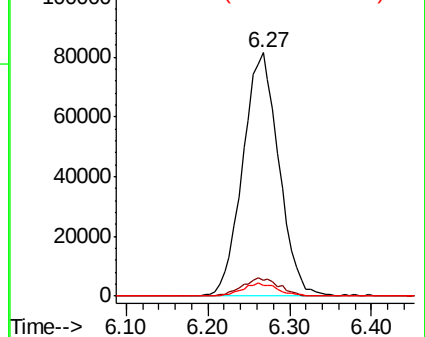
100 4.3 2.5 7.5

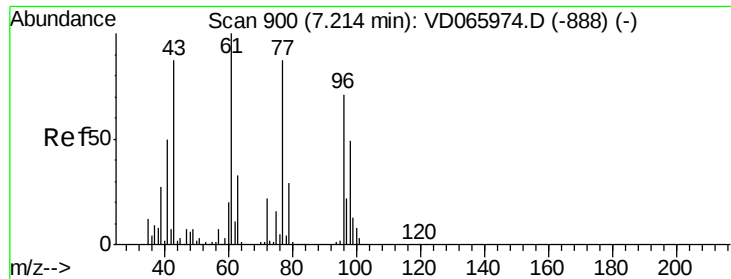


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 261.905 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

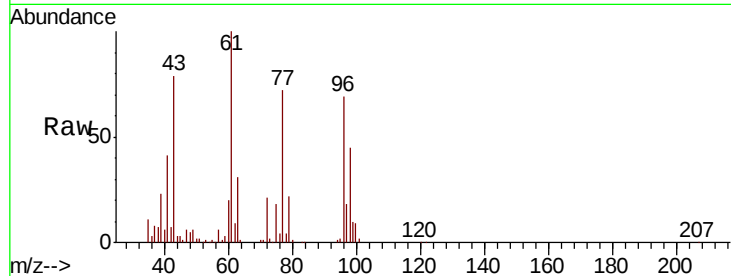
VSTDCCC050EC

Tot Ion: 43 Resp: 178033

Ion Ratio Lower Upper

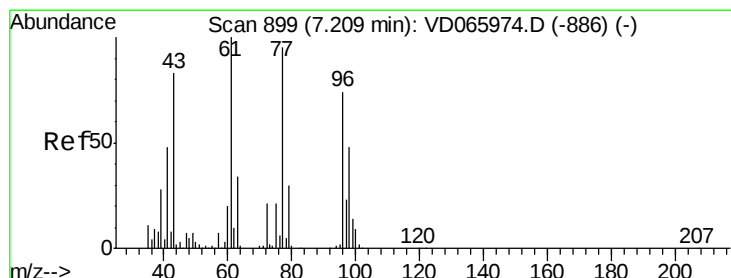
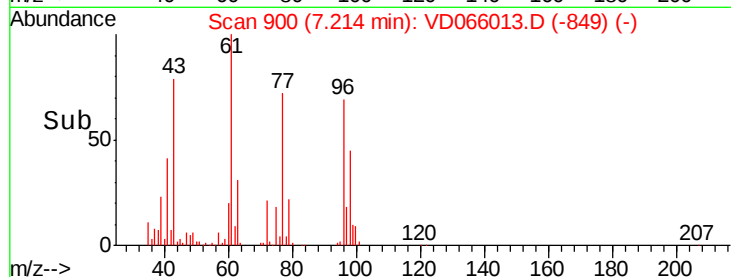
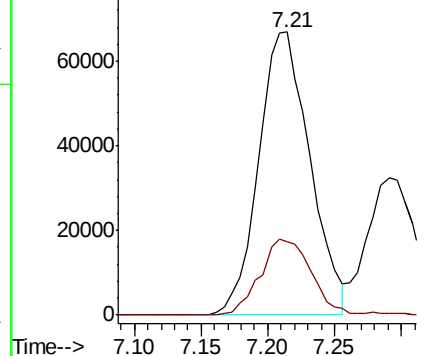
43 100

72 26.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.047 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066013.D

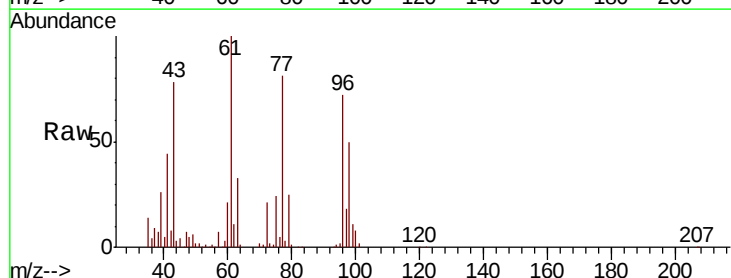
Acq: 22 Jul 2020 20:28

Tgt Ion: 77 Resp: 195778

Ion Ratio Lower Upper

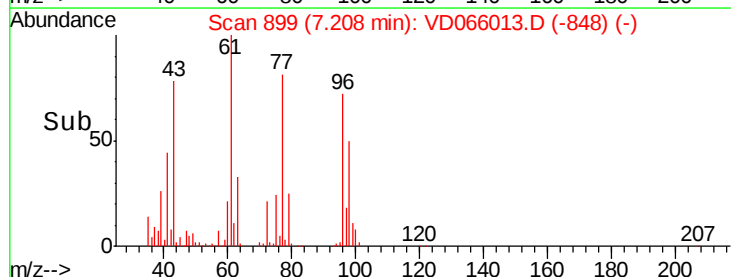
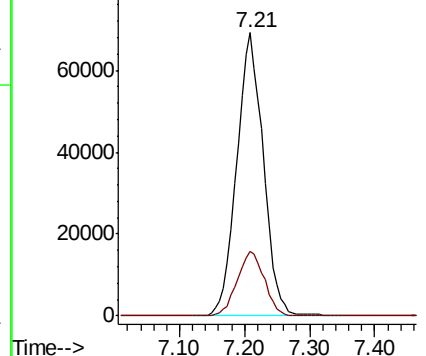
77 100

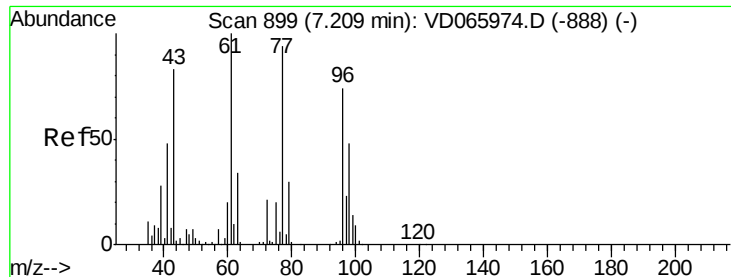
97 23.2 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



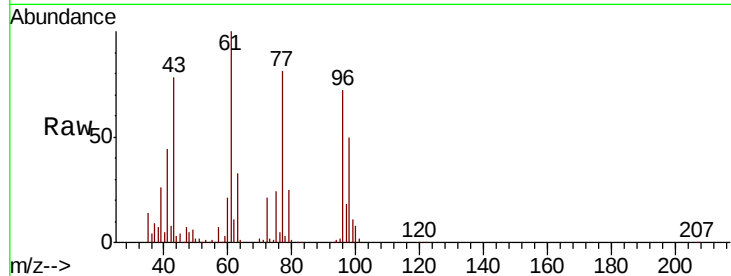


#27

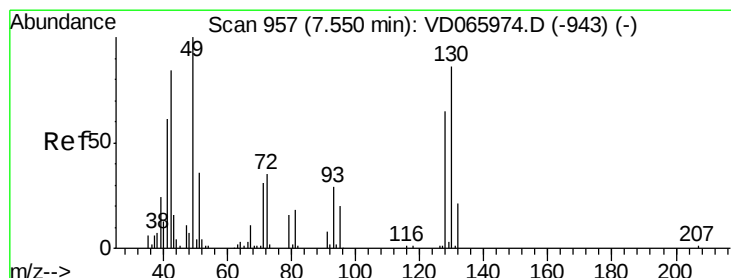
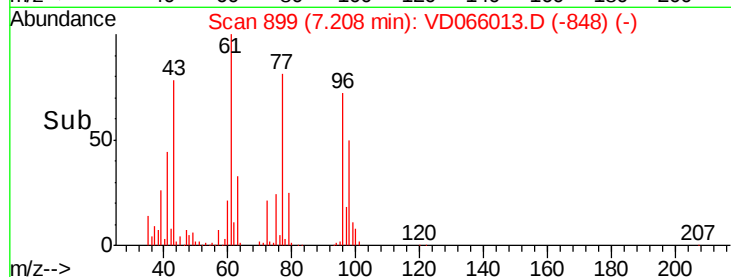
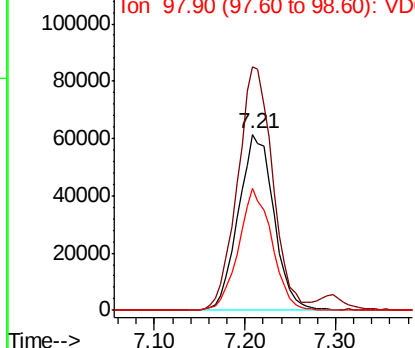
cis-1,2-Dichloroethene
 Concen: 54.196 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 166781
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 276.6
 98 65.2 0.0 130.8



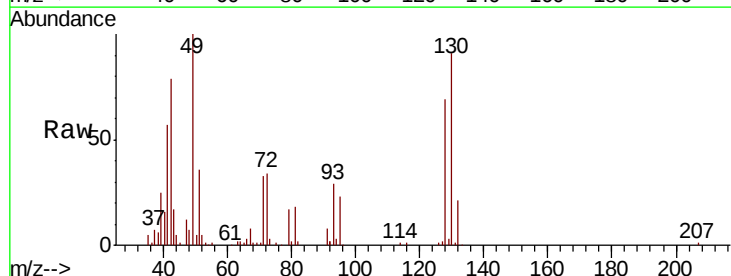
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



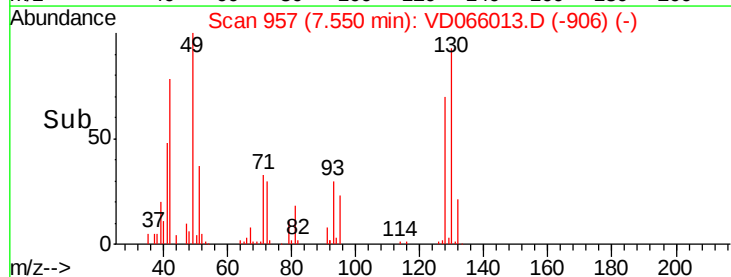
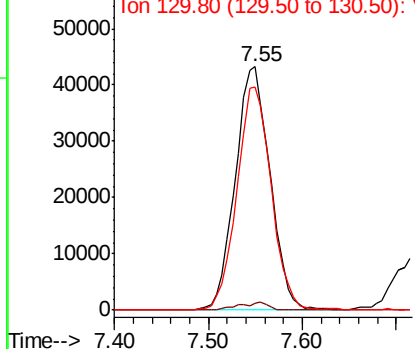
#28

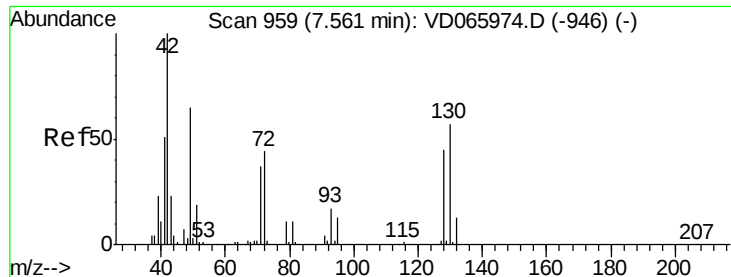
Bromochloromethane
 Concen: 56.523 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Tgt Ion: 49 Resp: 111015
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.8
 130 90.1 68.4 102.6



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

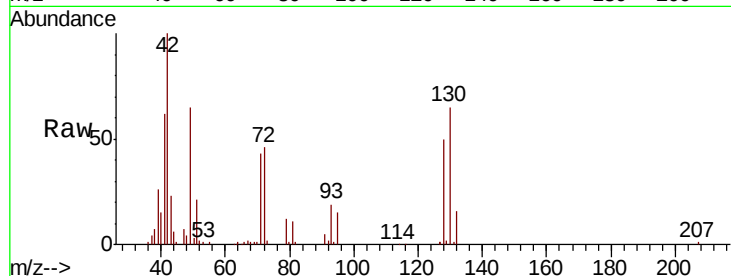




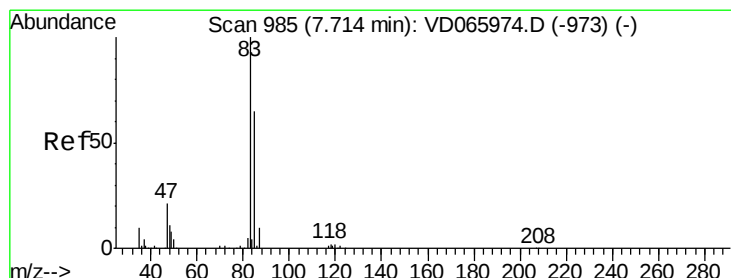
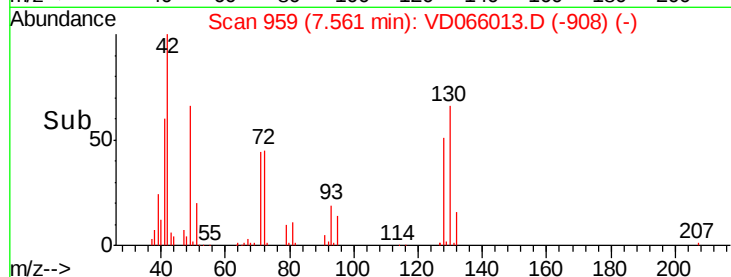
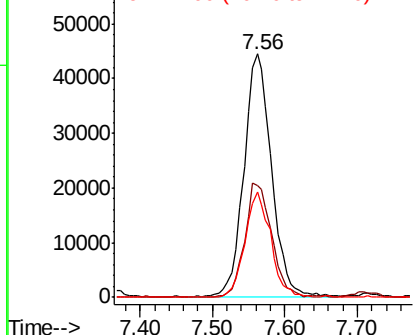
#29
Tetrahydrofuran
Concen: 282.440 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 118460
Ion Ratio Lower Upper
42 100
72 45.1 34.2 51.2
71 40.0 31.4 47.2

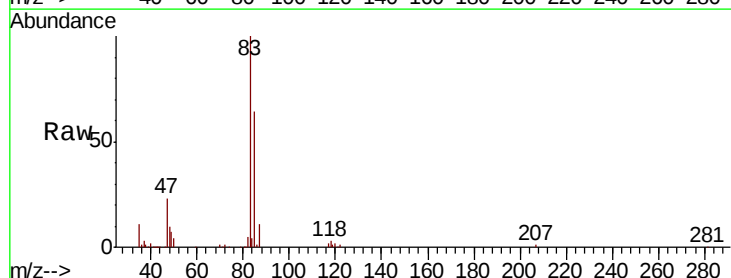


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

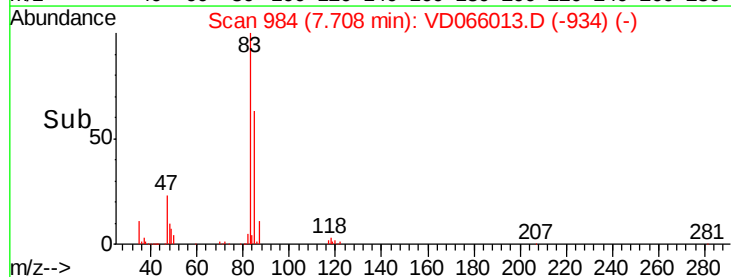
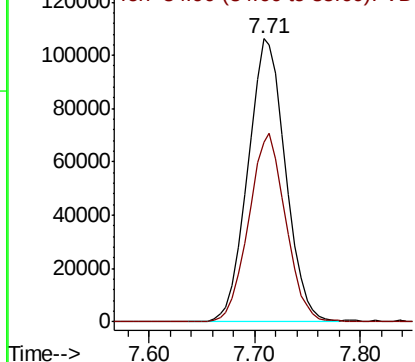


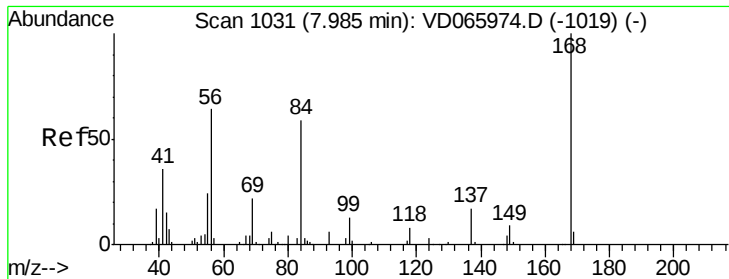
#30
Chloroform
Concen: 54.177 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion: 83 Resp: 262245
Ion Ratio Lower Upper
83 100
85 63.5 52.1 78.1



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

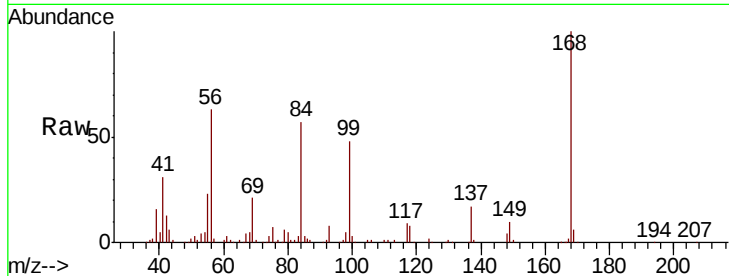




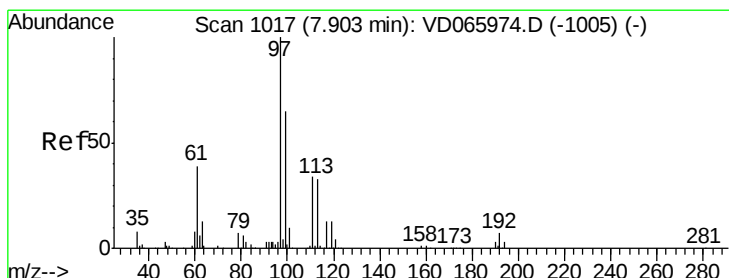
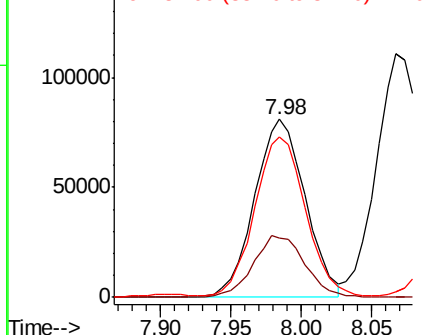
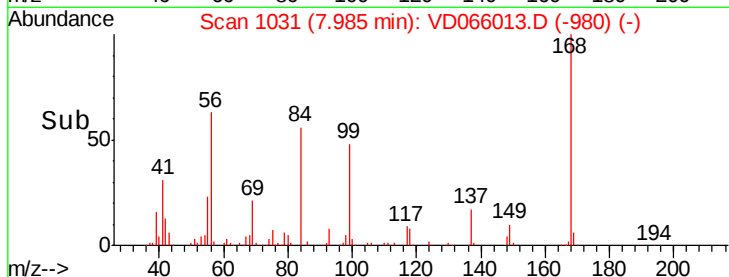
#31
Cyclohexane
Concen: 44.563 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 202877
Ion Ratio Lower Upper
56 100
69 33.1 28.0 42.0
84 89.2 72.6 109.0

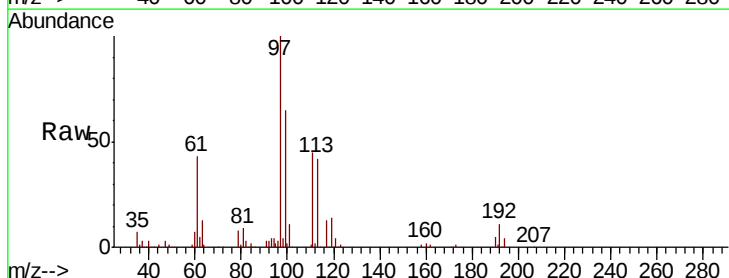


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

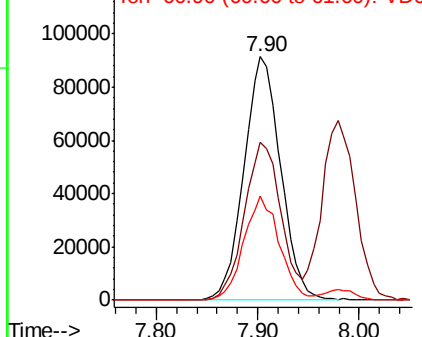
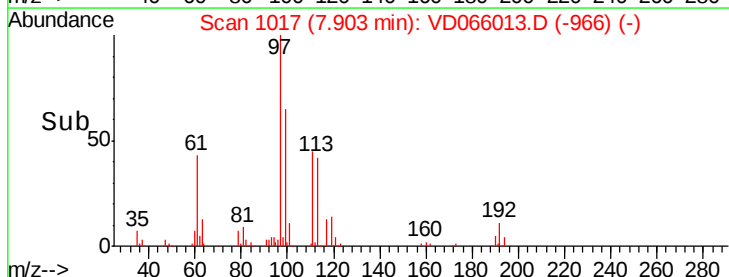


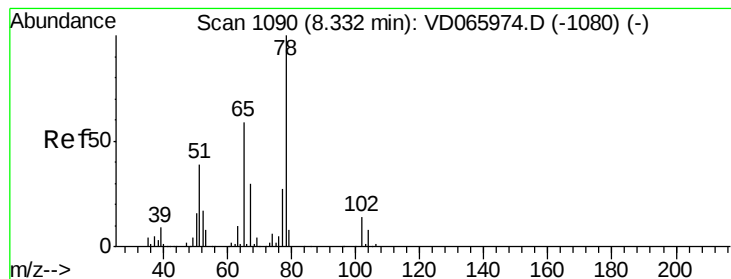
#32
1,1,1-Trichloroethane
Concen: 51.204 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion: 97 Resp: 229266
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 41.6 33.3 49.9



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: 57.114 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

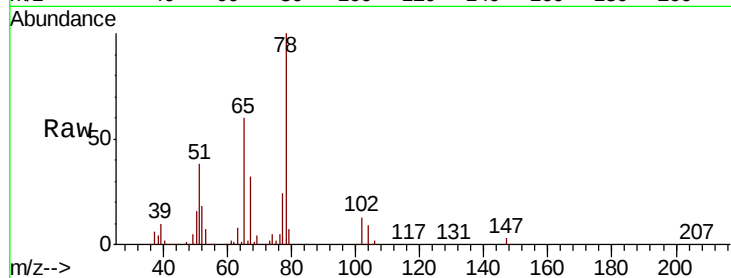
VSTDCCC050EC

Tot Ion: 65 Resp: 144549

Ion Ratio Lower Upper

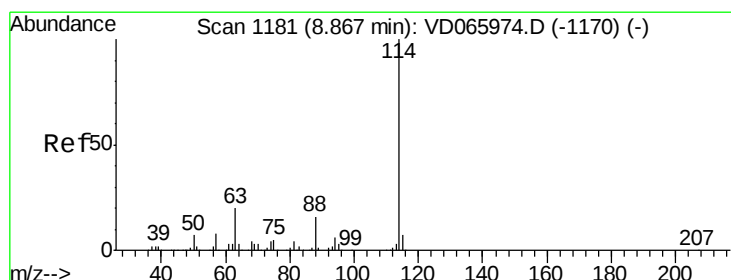
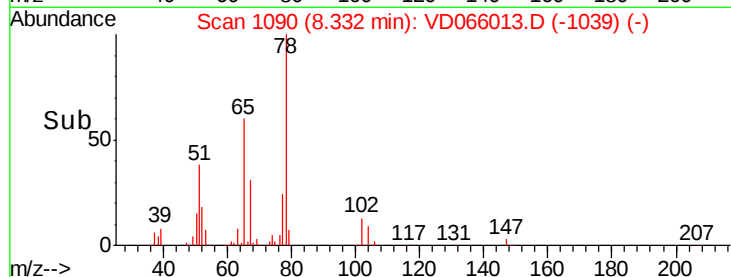
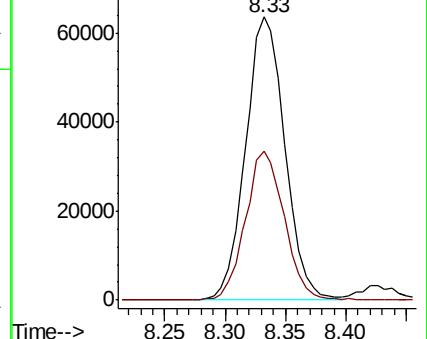
65 100

67 52.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

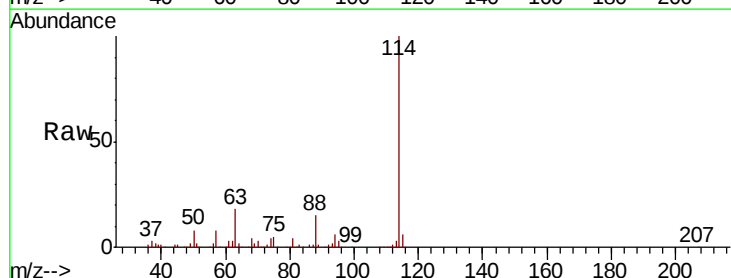
Tgt Ion: 114 Resp: 486882

Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

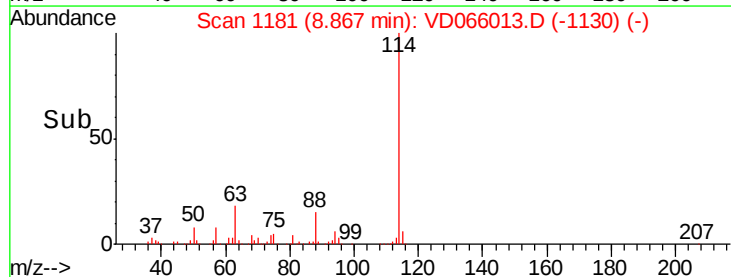
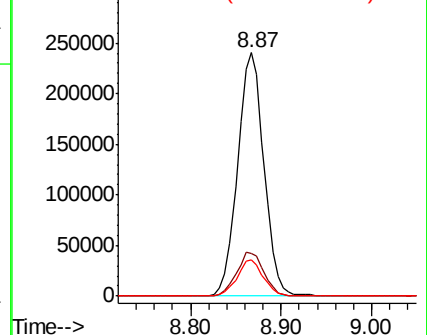
88 15.1 0.0 31.2

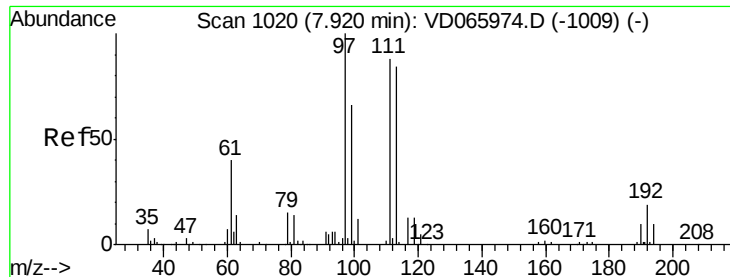


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

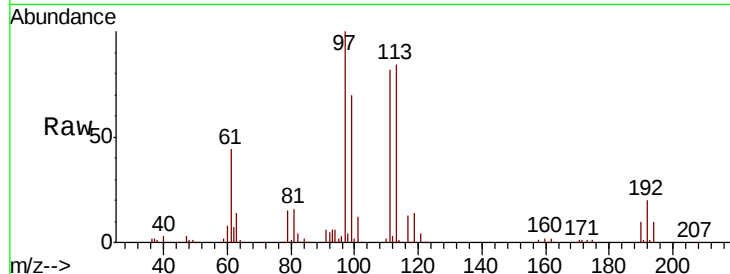




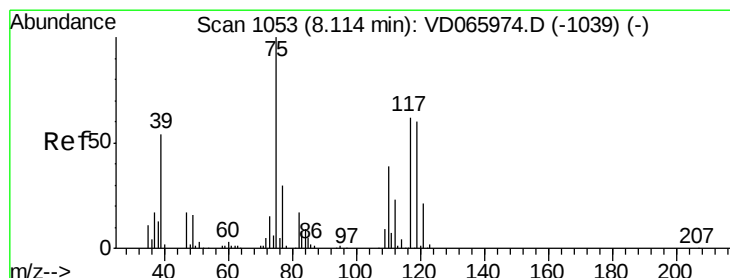
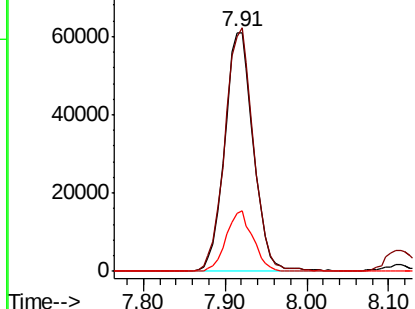
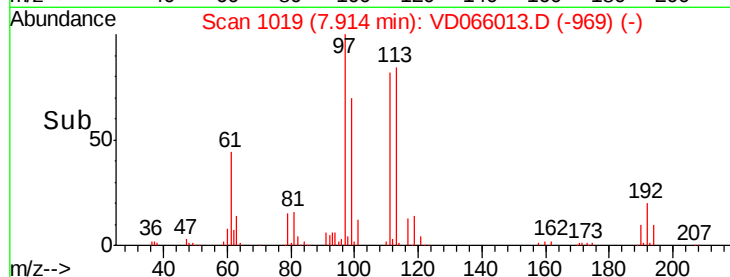
#35
 Dibromofluoromethane
 Concen: 50.508 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 149156
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.2 124.8
 192 23.6 18.7 28.1

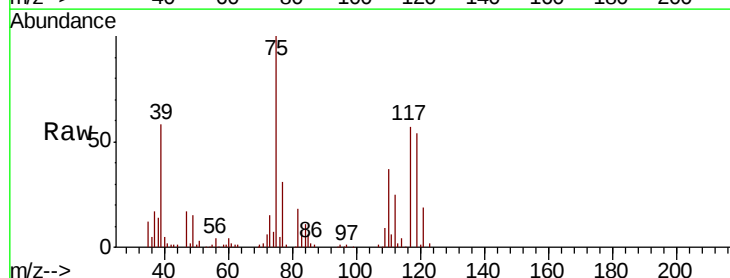


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

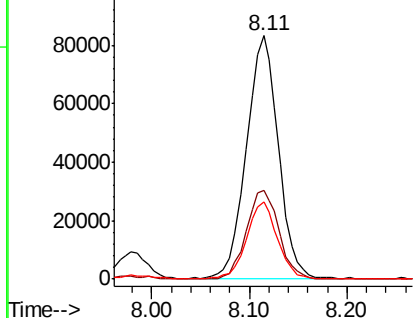
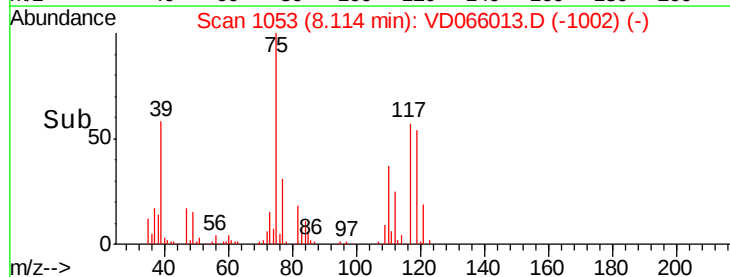


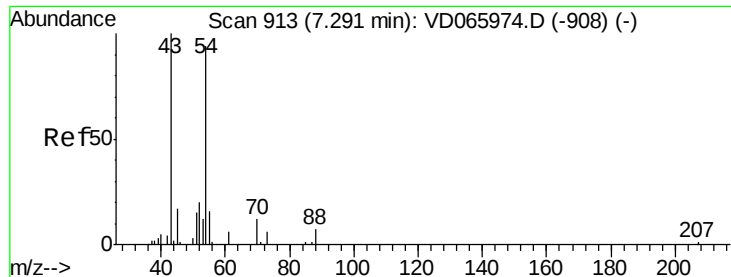
#36
 1,1-Dichloropropene
 Concen: 46.225 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Tgt Ion: 75 Resp: 192079
 Ion Ratio Lower Upper
 75 100
 110 37.0 19.5 58.5
 77 30.6 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

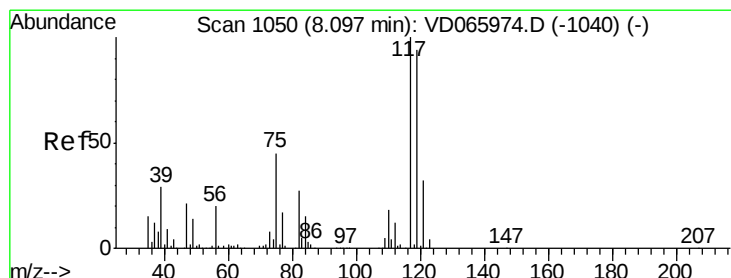
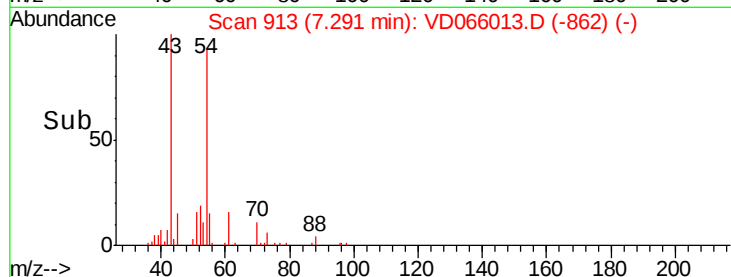
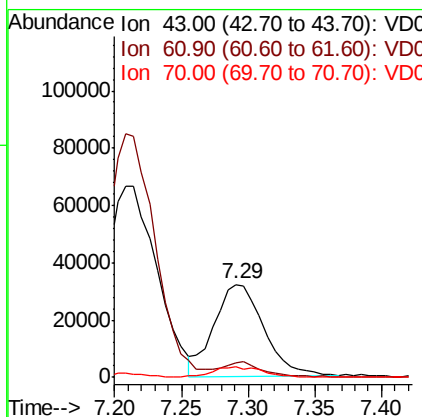
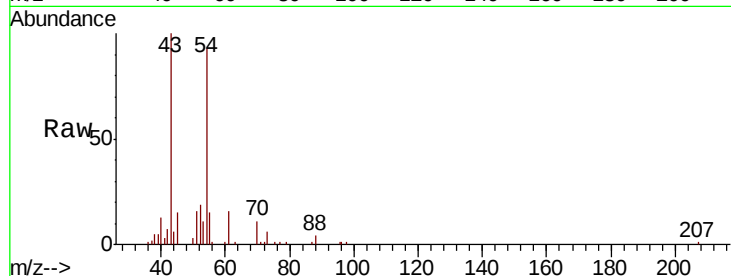




#37
Ethyl Acetate
Concen: 51.974 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

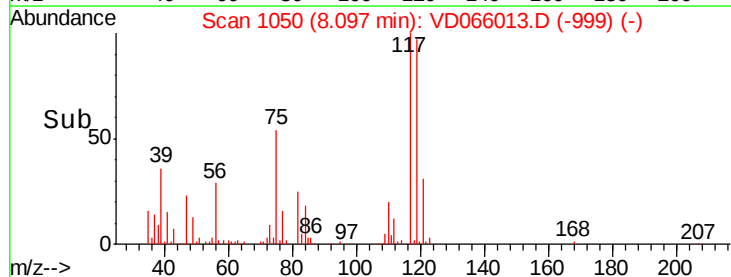
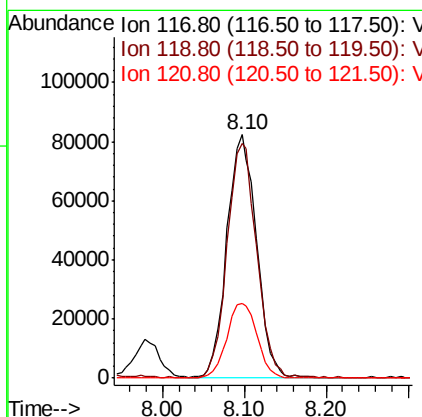
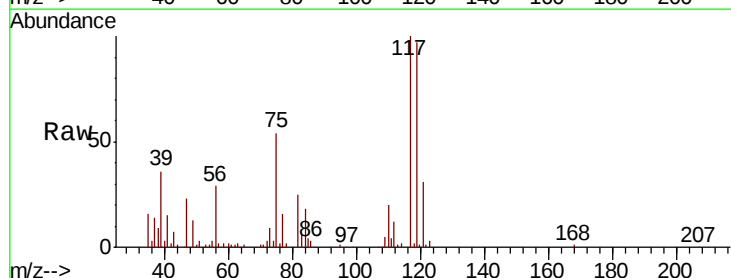
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

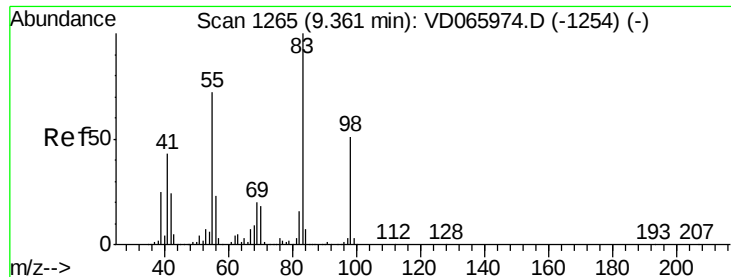
Tot Ion: 43 Resp: 82479
Ion Ratio Lower Upper
43 100
61 14.7 11.4 17.0
70 11.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 46.079 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion: 117 Resp: 207756
Ion Ratio Lower Upper
117 100
119 96.6 75.0 112.6
121 30.5 25.5 38.3

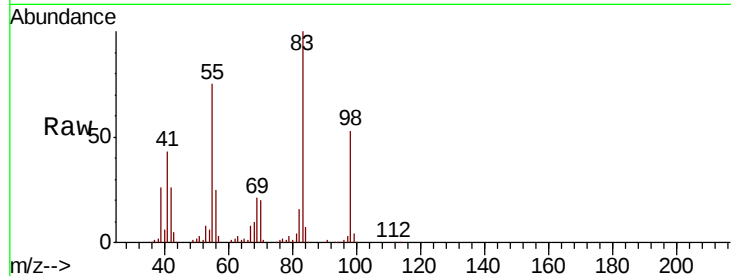




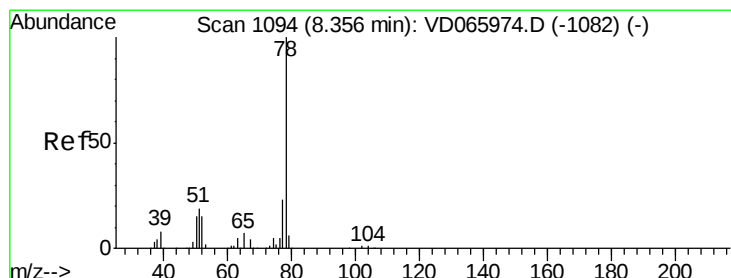
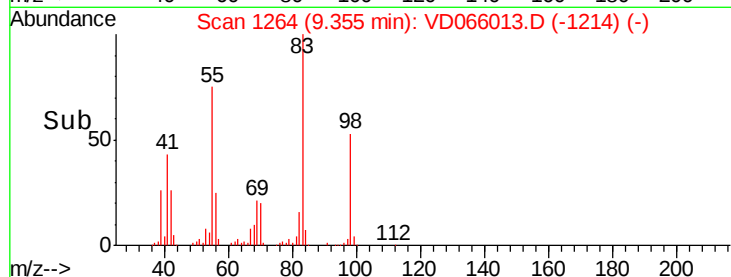
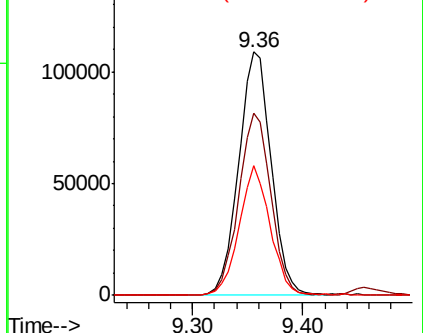
#39
Methvlcvclohexane
Concen: 44.857 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 225724
Ion Ratio Lower Upper
83 100
55 74.7 57.3 85.9
98 53.0 41.0 61.6

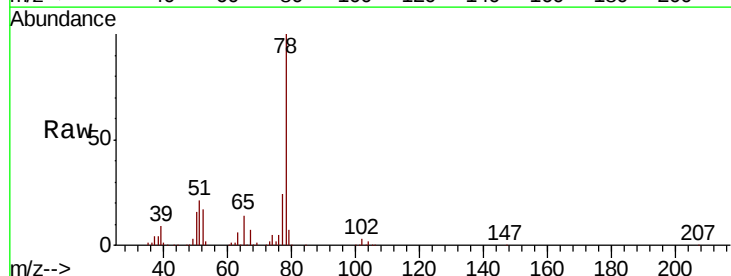


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

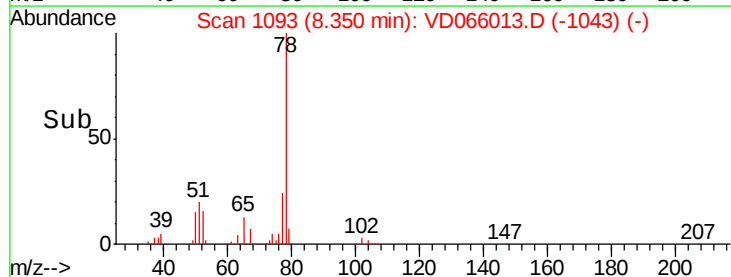
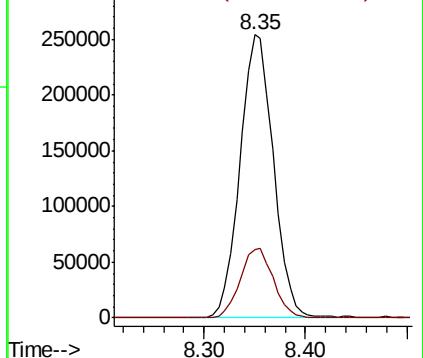


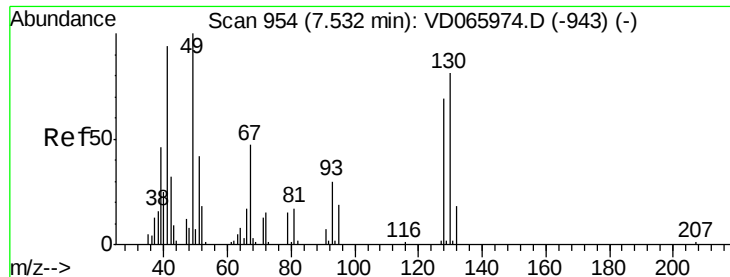
#40
Benzene
Concen: 49.961 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion: 78 Resp: 580804
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8



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





#41

Methacrylonitrile

Concen: 56.256 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 51141

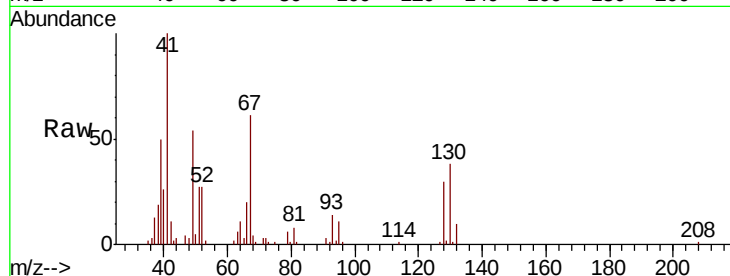
Ion Ratio Lower Upper

41 100

39 54.8 0.0 0.0#

67 70.1 0.0 0.0#

52 30.0 0.0 0.0#

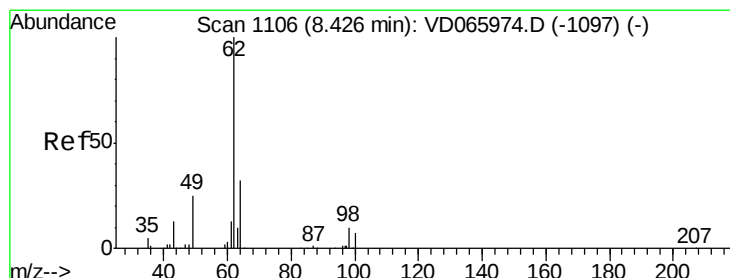
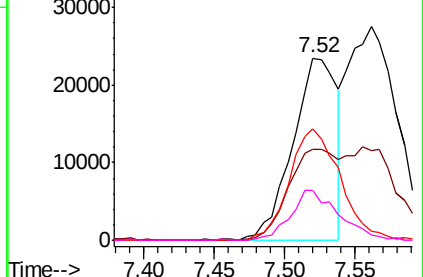
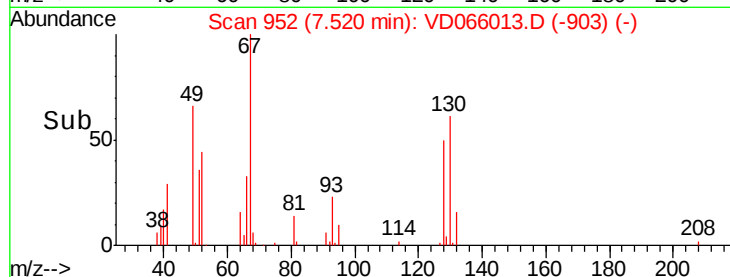


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 52.493 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD066013.D

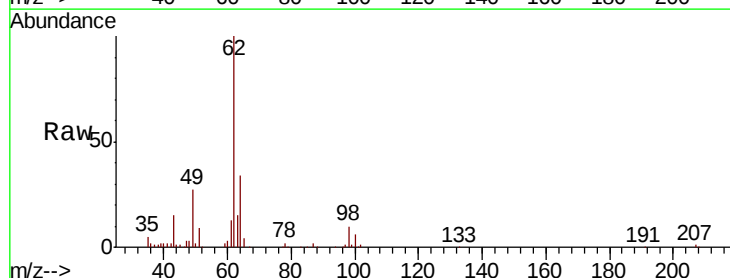
Acq: 22 Jul 2020 20:28

Tgt Ion: 62 Resp: 167219

Ion Ratio Lower Upper

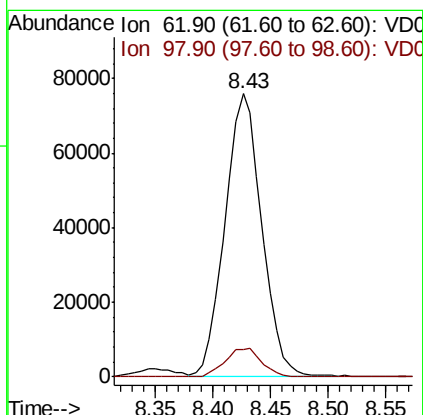
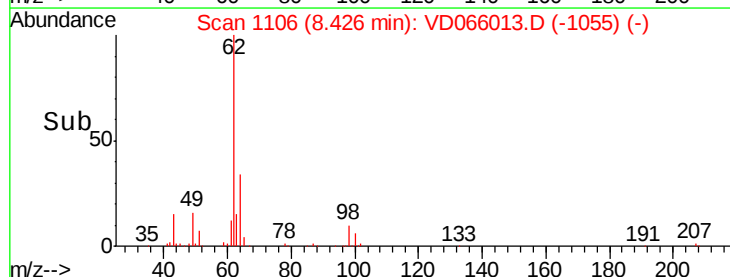
62 100

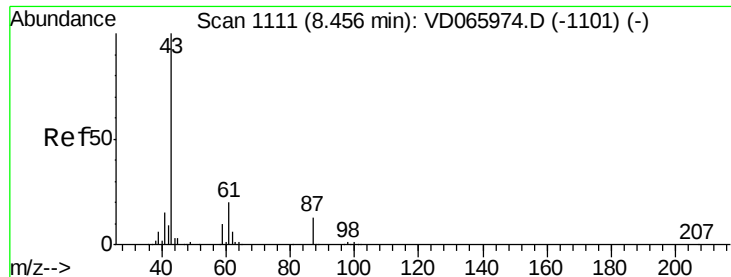
98 10.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.924 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

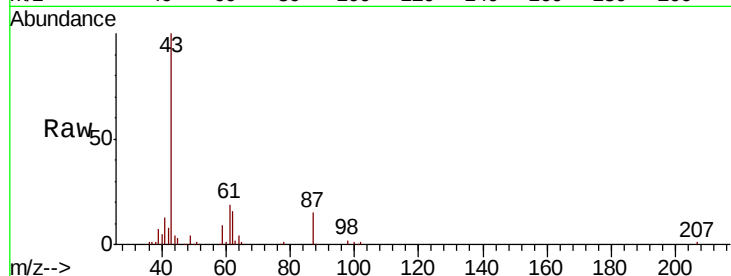
Tot Ion: 43 Resp: 164037

Ion Ratio Lower Upper

43 100

61 30.5 25.8 38.8

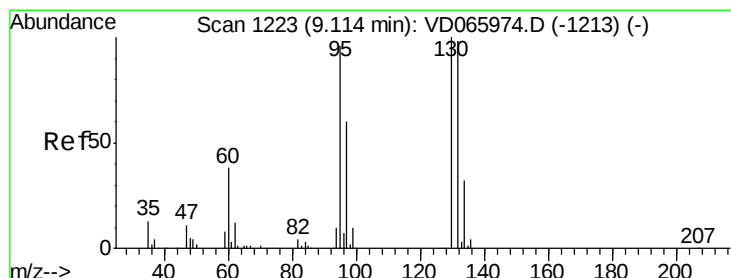
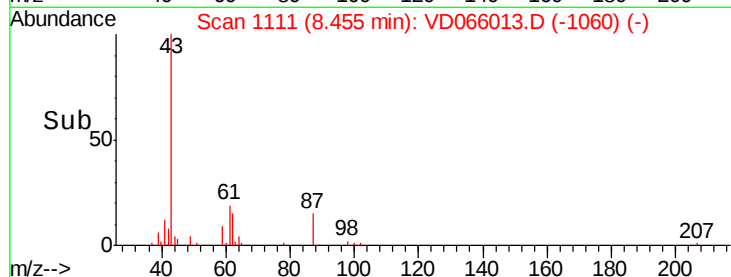
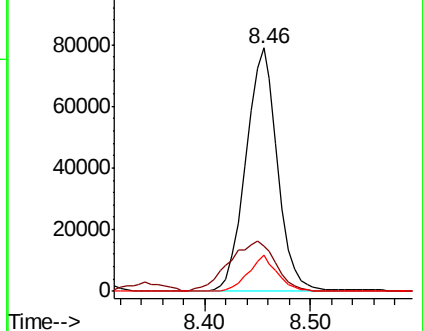
87 13.7 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.093 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD066013.D

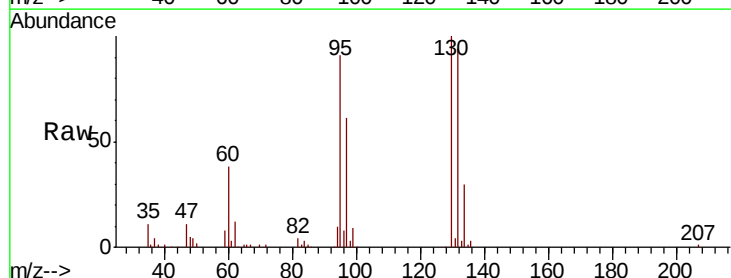
Acq: 22 Jul 2020 20:28

Tgt Ion:130 Resp: 169186

Ion Ratio Lower Upper

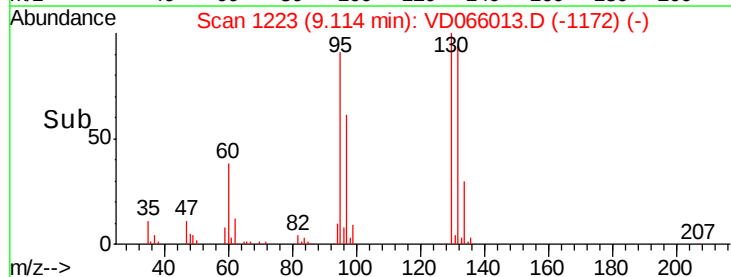
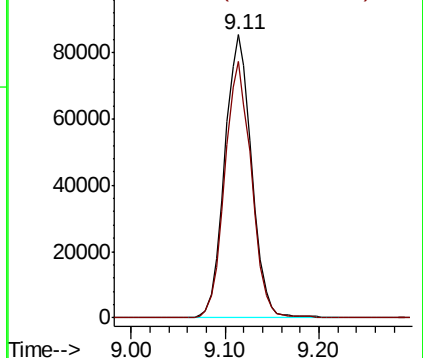
130 100

95 90.8 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

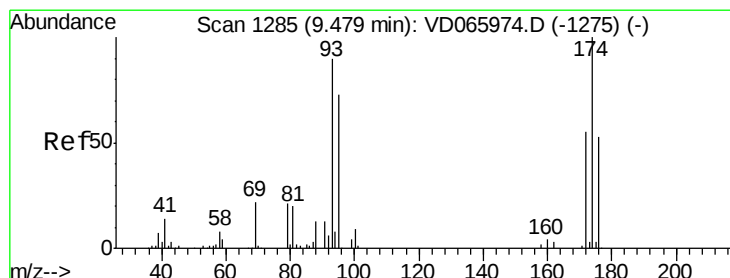
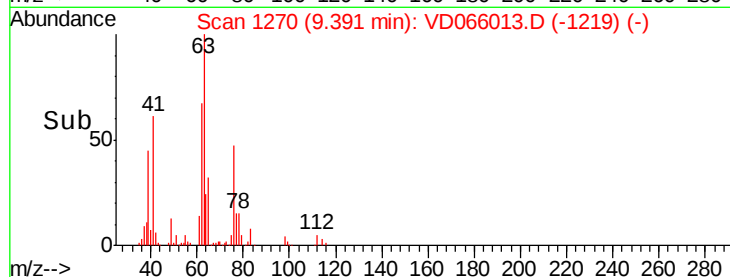
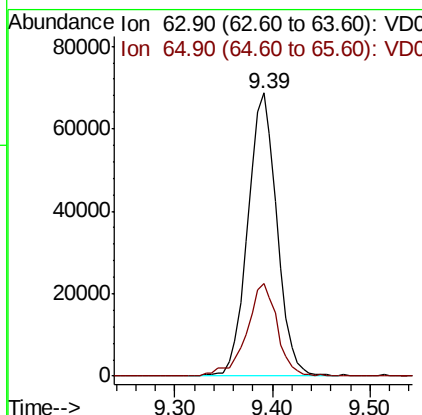
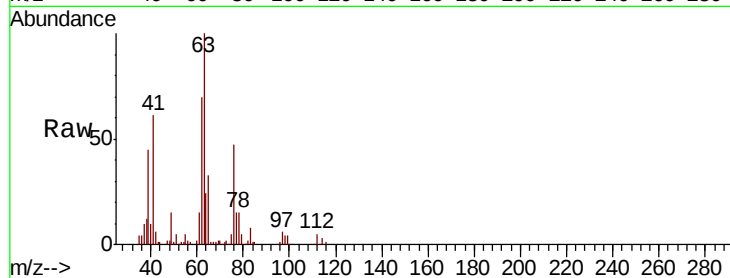




#45
 1,2-Dichloropropane
 Concen: 50.703 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

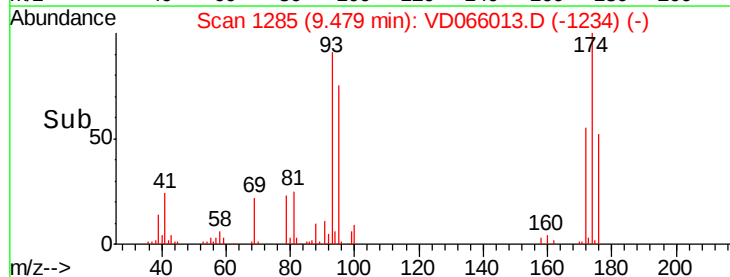
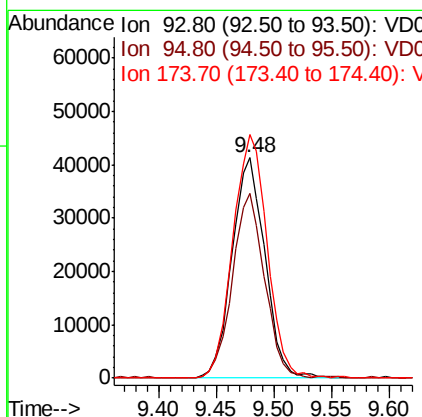
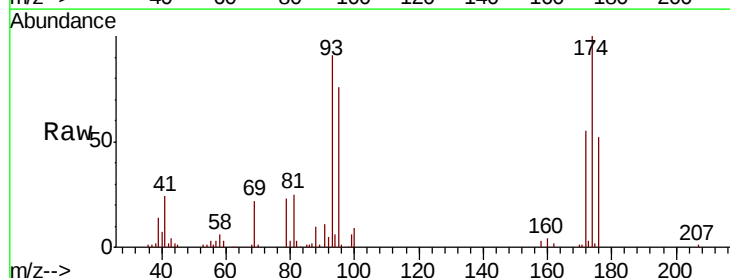
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

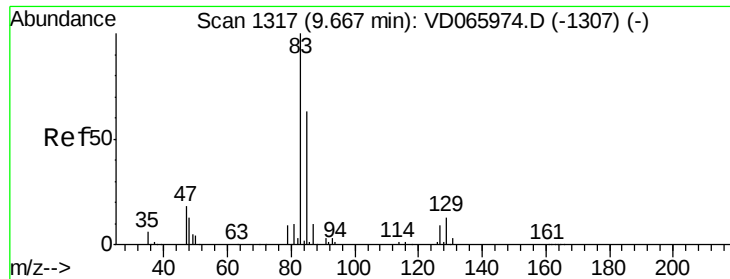
Tot Ion: 63 Resp: 142755
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.0 36.0



#46
 Dibromomethane
 Concen: 53.847 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Tgt Ion: 93 Resp: 81614
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.2 99.4
 174 115.2 91.5 137.3





#47

Bromodichloromethane

Concen: 51.707 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

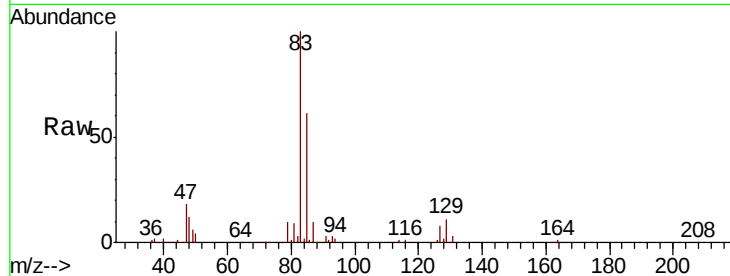
Tot Ion: 83 Resp: 207223

Ion Ratio Lower Upper

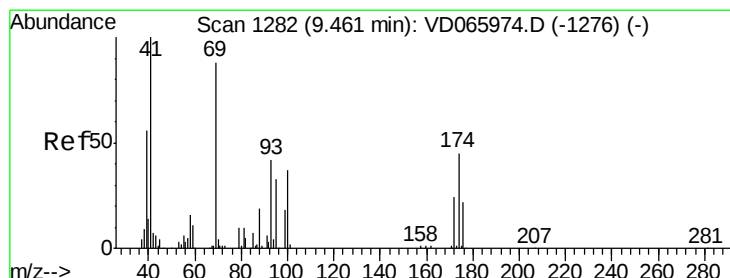
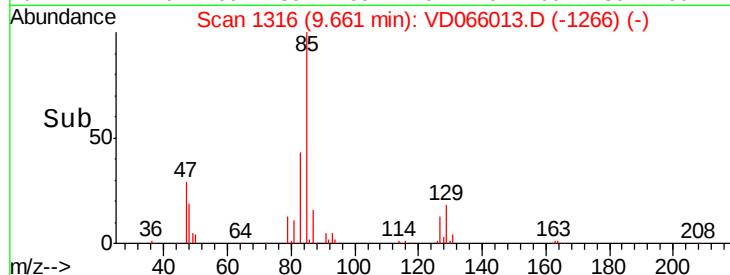
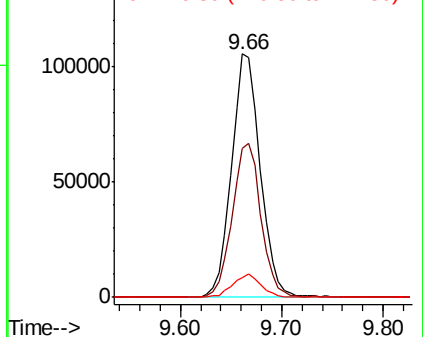
83 100

85 61.1 50.6 75.8

127 8.1 7.1 10.7



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: 50.338 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

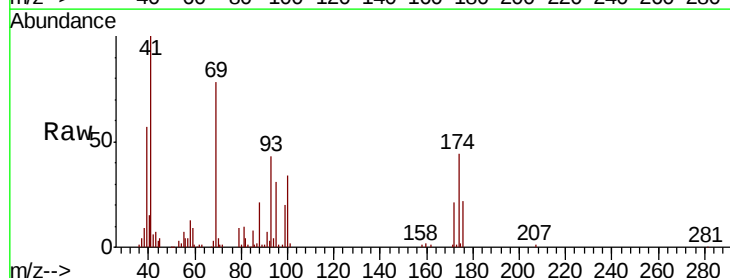
Tgt Ion: 41 Resp: 78700

Ion Ratio Lower Upper

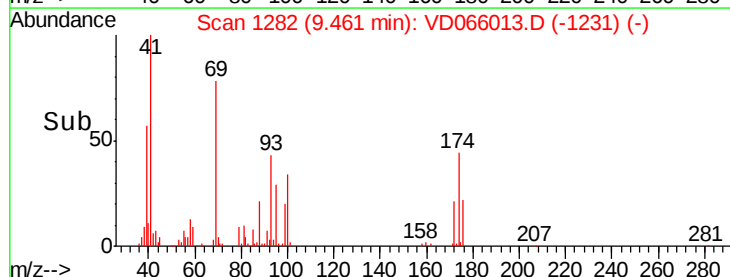
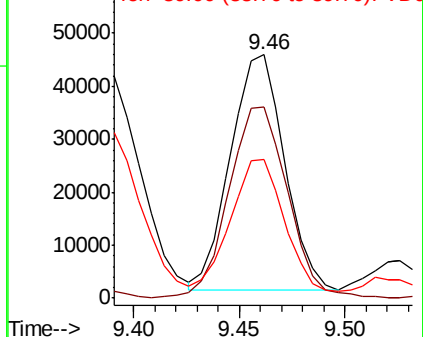
41 100

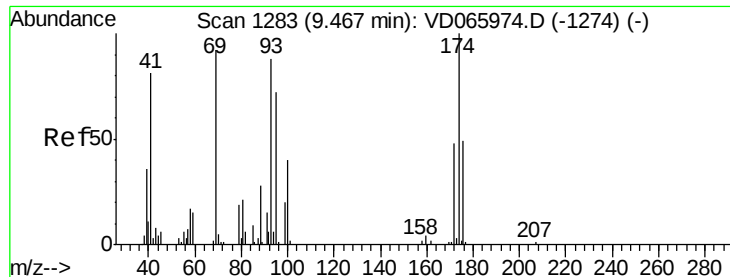
69 88.6 65.1 97.7

39 55.1 41.5 62.3



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: 1027.339 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

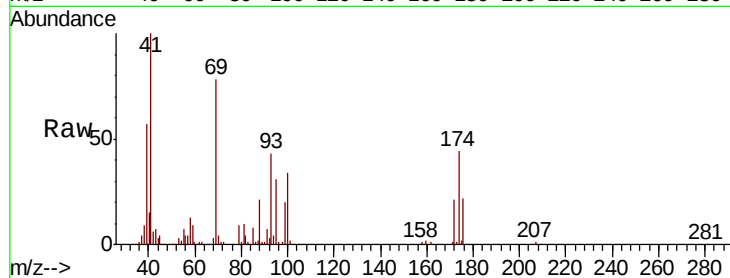
Tot Ion: 88 Resp: 18040

Ion Ratio Lower Upper

88 100

43 38.5 29.0 43.6

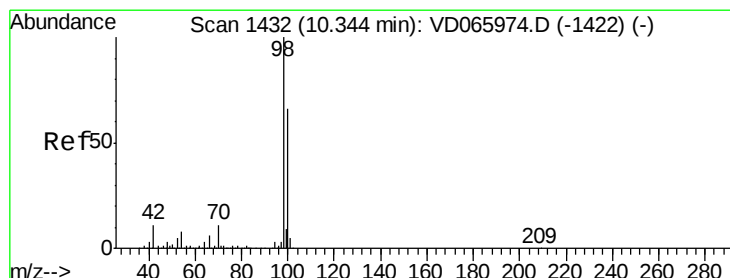
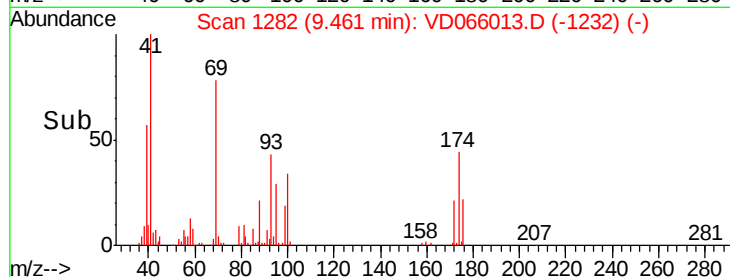
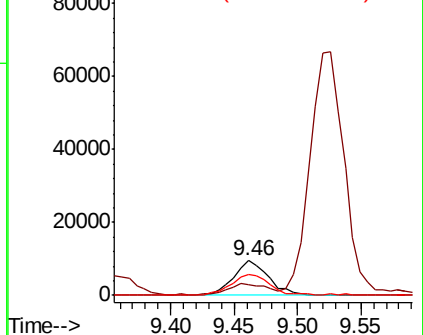
58 67.7 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.417 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066013.D

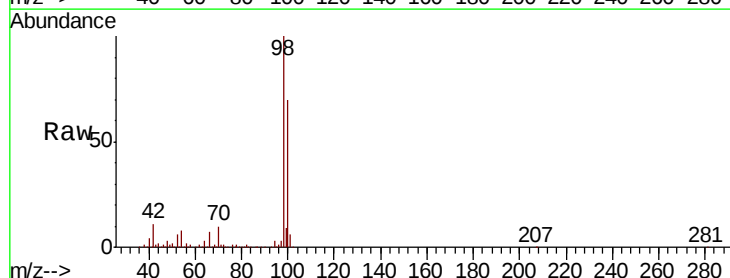
Acq: 22 Jul 2020 20:28

Tgt Ion: 98 Resp: 554639

Ion Ratio Lower Upper

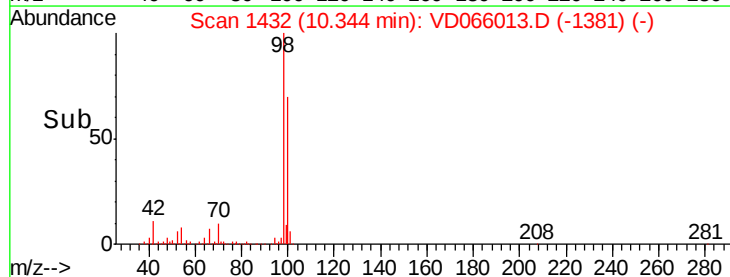
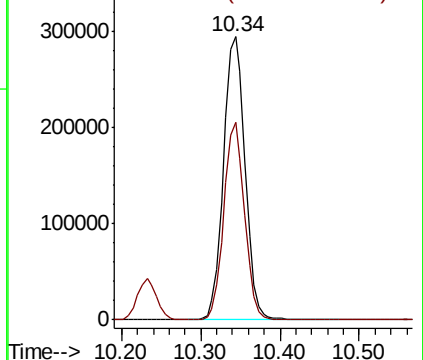
98 100

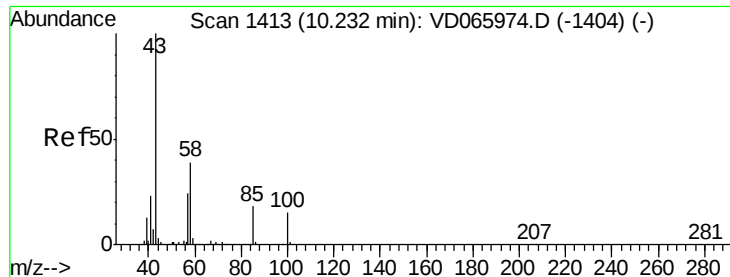
100 67.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 271.259 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

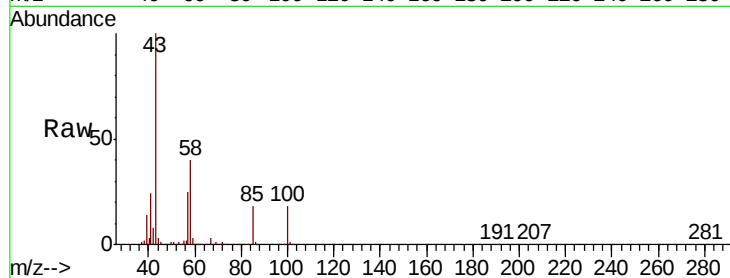
VSTDCCC050EC

Tot Ion: 43 Resp: 423621

Ion Ratio Lower Upper

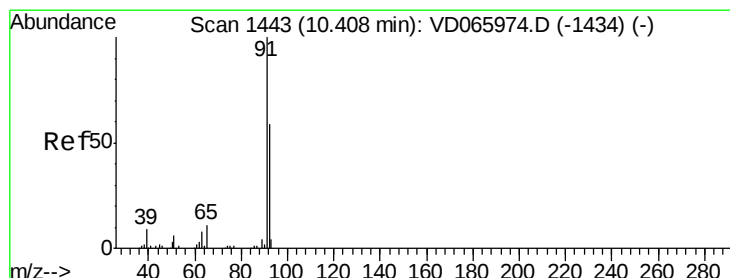
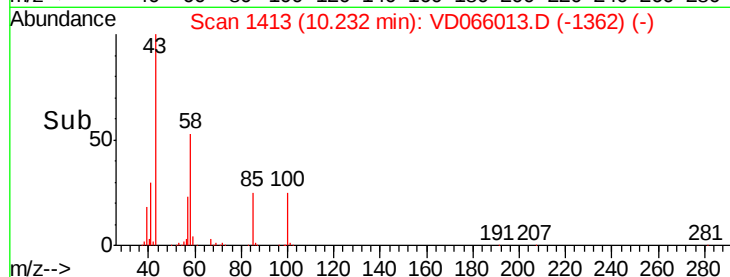
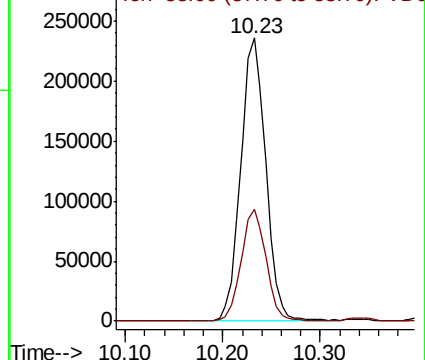
43 100

58 39.4 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.107 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD066013.D

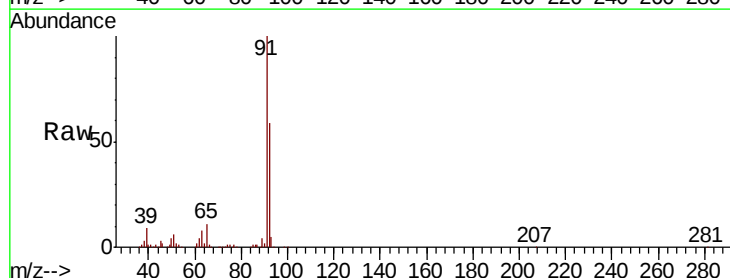
Acq: 22 Jul 2020 20:28

Tgt Ion: 92 Resp: 395037

Ion Ratio Lower Upper

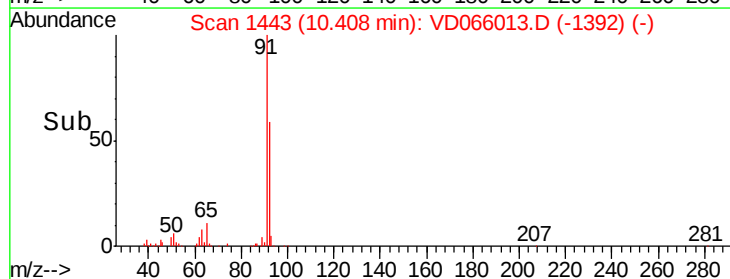
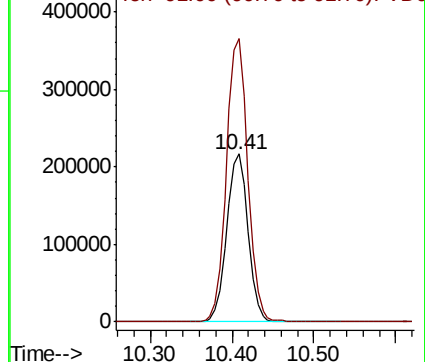
92 100

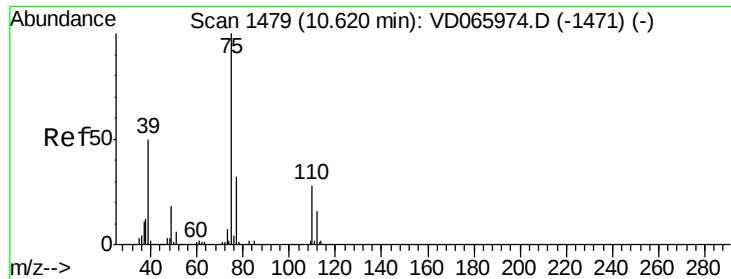
91 168.7 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.498 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

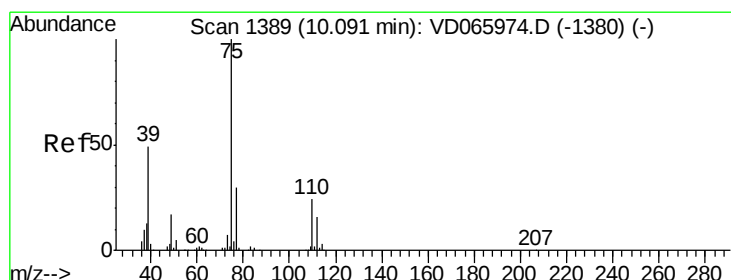
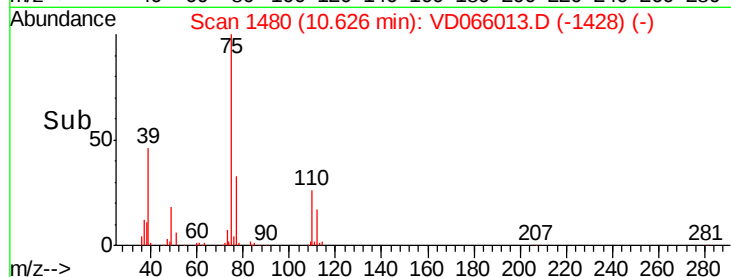
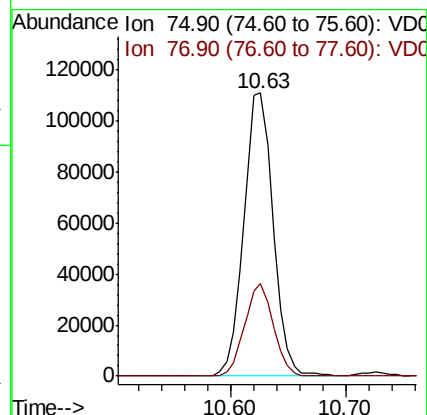
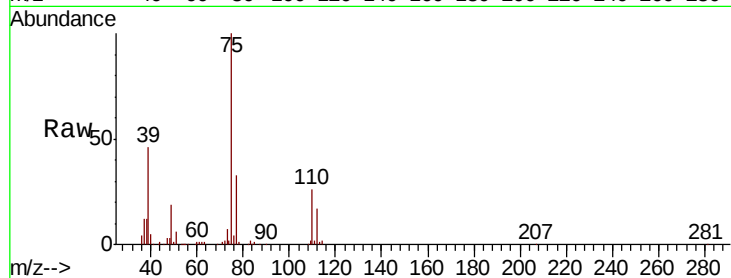
VSTDCCC050EC

Tot Ion: 75 Resp: 196009

Ion Ratio Lower Upper

75 100

77 32.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 51.701 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

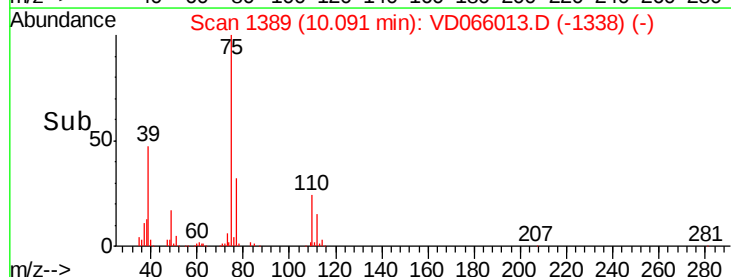
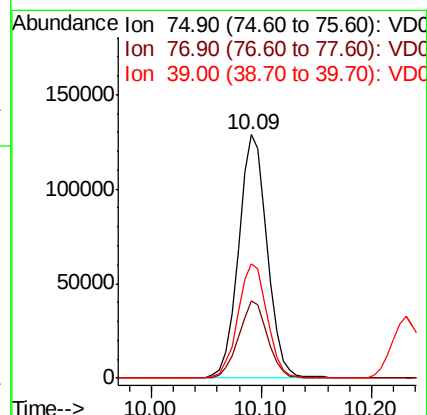
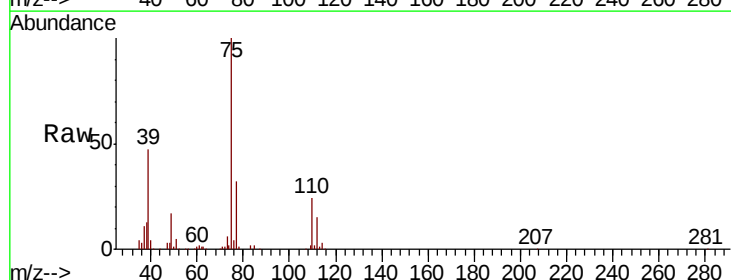
Tgt Ion: 75 Resp: 233993

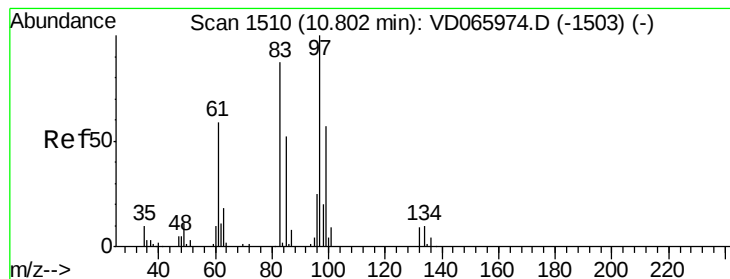
Ion Ratio Lower Upper

75 100

77 31.9 23.8 35.8

39 47.1 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 52.539 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 112939

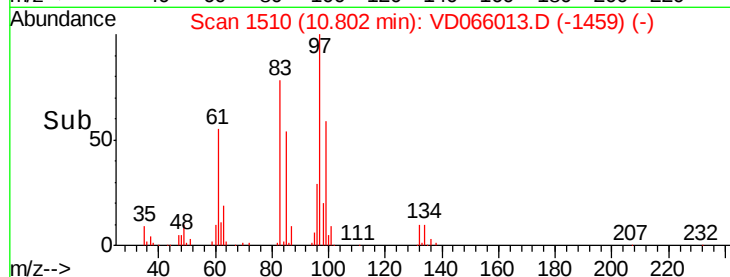
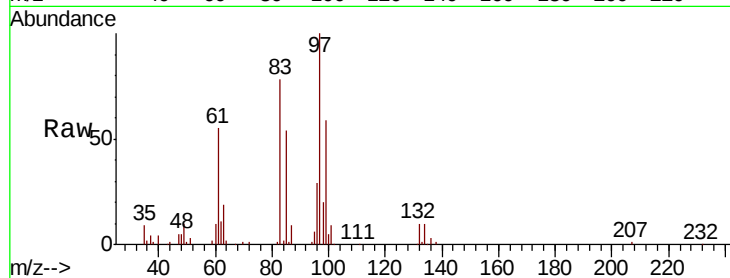
Ion	Ratio	Lower	Upper
97	100		
83	77.6	69.7	104.5
85	54.5	41.6	62.4
99	59.4	45.9	68.9

97 100

83 77.6 69.7 104.5

85 54.5 41.6 62.4

99 59.4 45.9 68.9



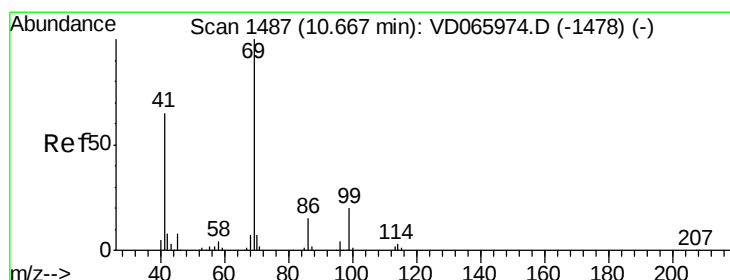
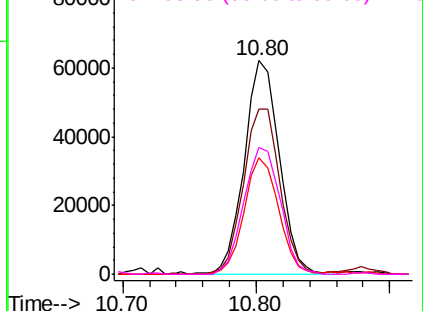
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 55.572 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

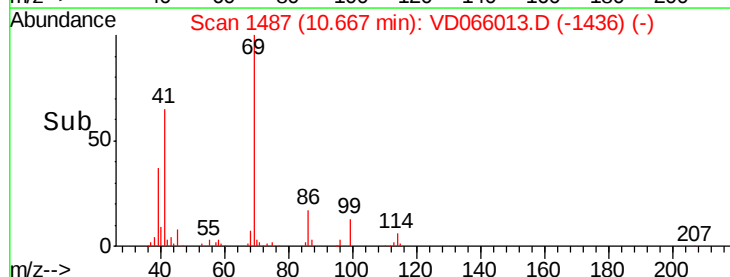
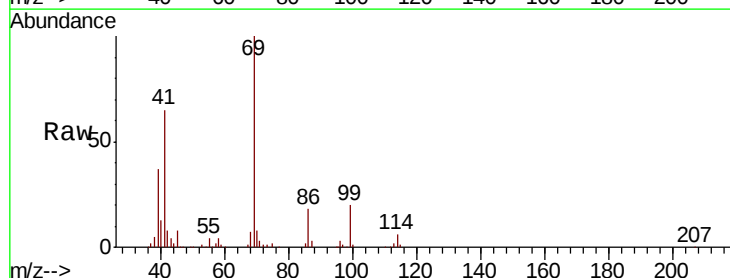
Tgt Ion: 69 Resp: 138889

Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.3	78.5
39	33.5	25.2	37.8

69 100

41 65.4 52.3 78.5

39 33.5 25.2 37.8

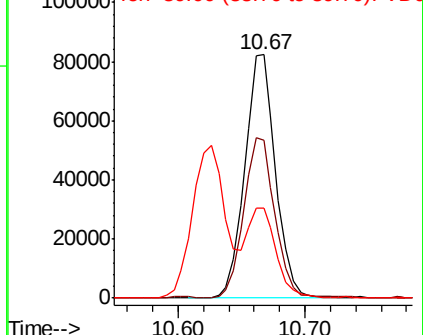


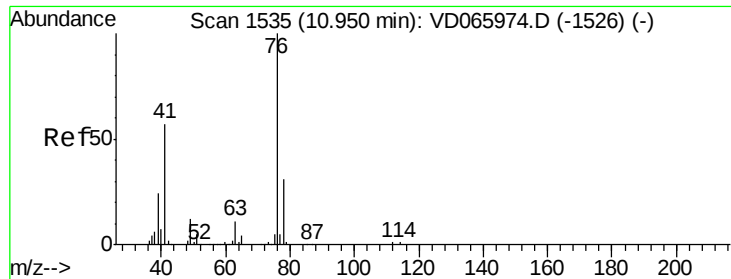
Abundance

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

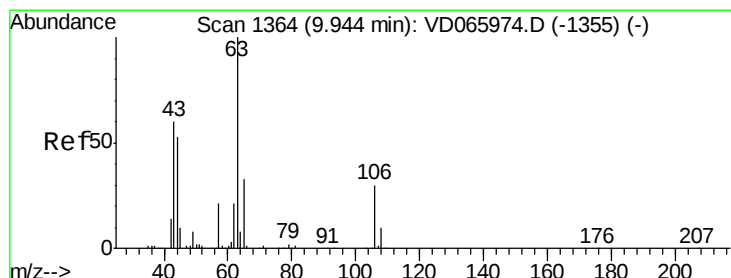
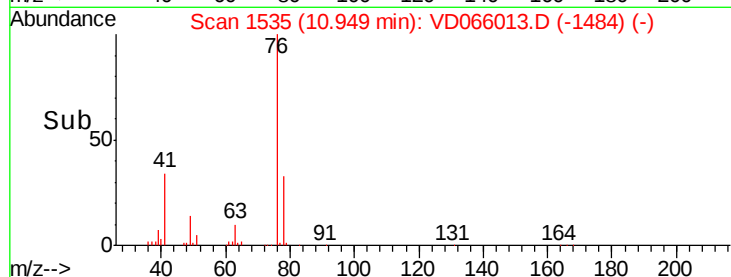
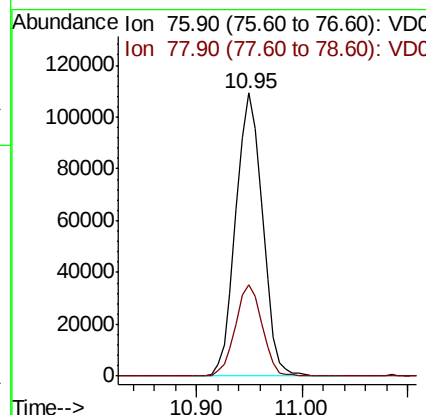
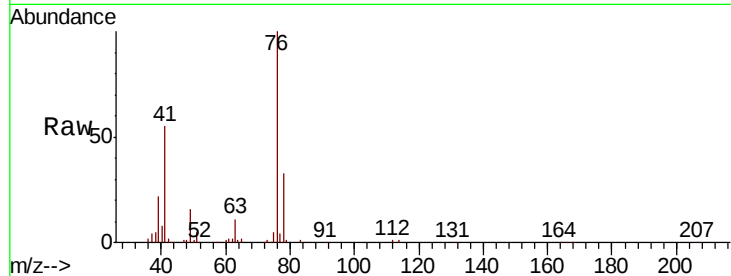




#57
 1,3-Dichloropropane
 Concen: 53.801 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

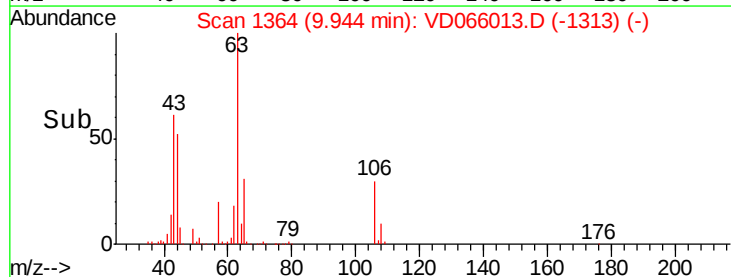
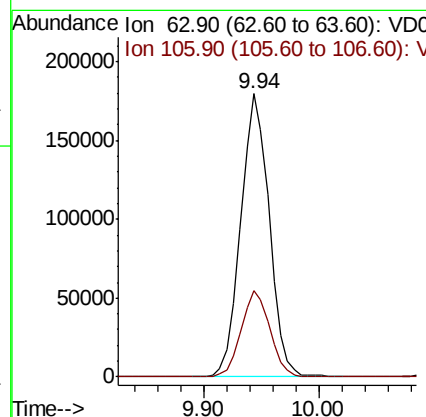
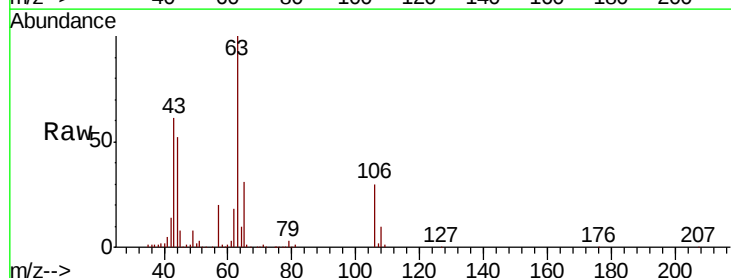
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

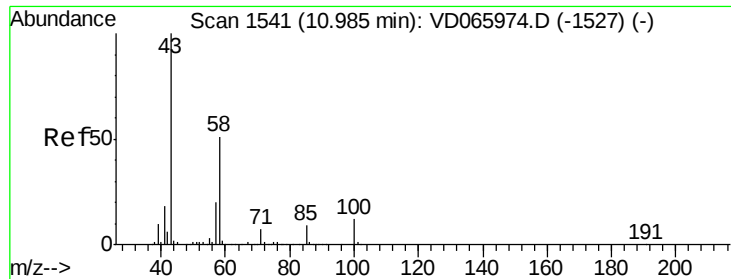
Tot Ion: 76 Resp: 191454
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.383 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Tgt Ion: 63 Resp: 307290
 Ion Ratio Lower Upper
 63 100
 106 30.9 24.4 36.6

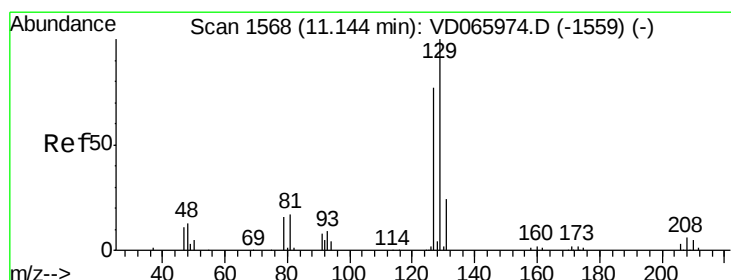
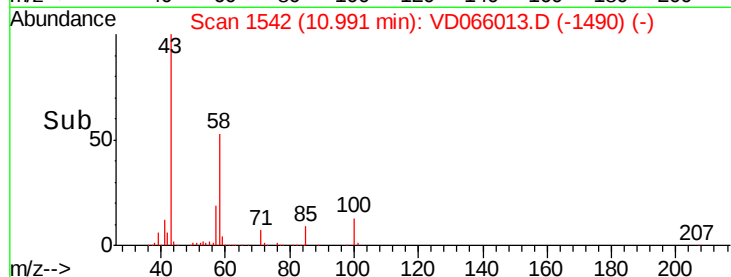
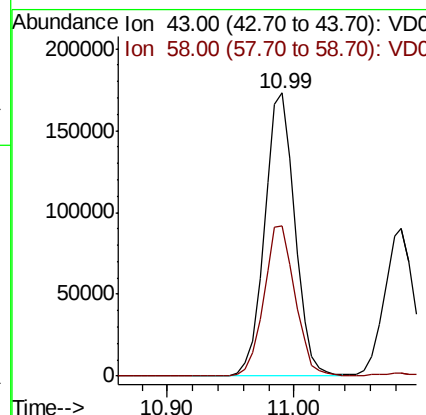
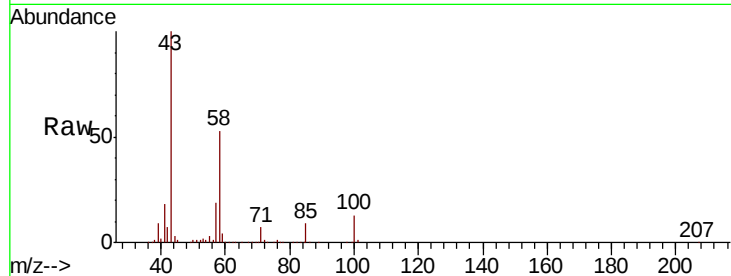




#59
2-Hexanone
Concen: 265.143 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

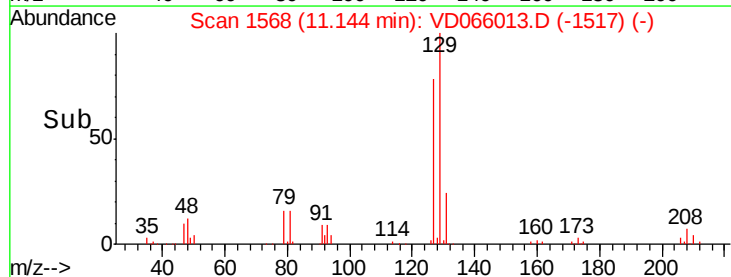
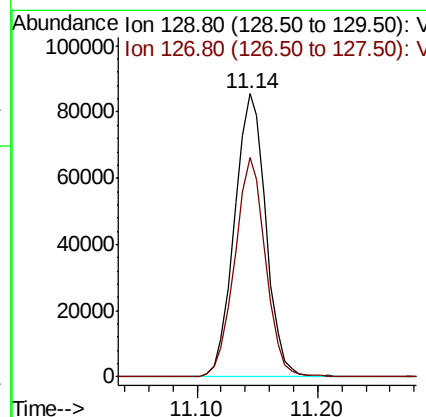
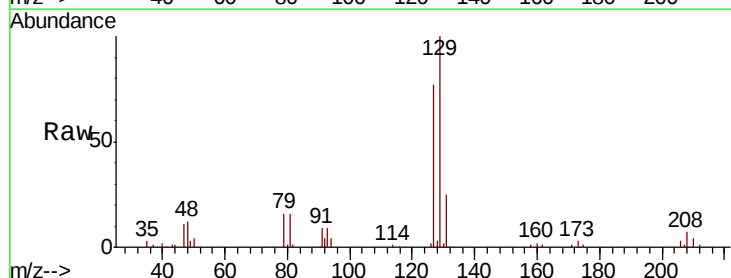
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

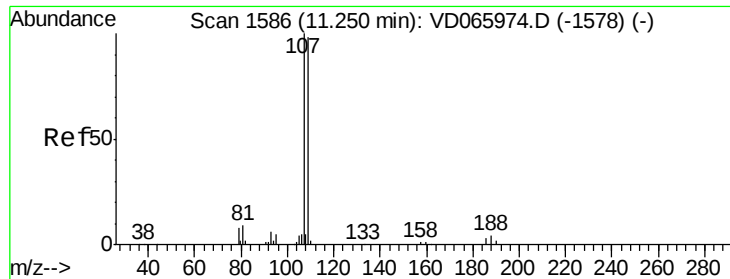
Tot Ion: 43 Resp: 286945
Ion Ratio Lower Upper
43 100
58 55.0 26.2 78.6



#60
Dibromochloromethane
Concen: 53.135 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion: 129 Resp: 154005
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7

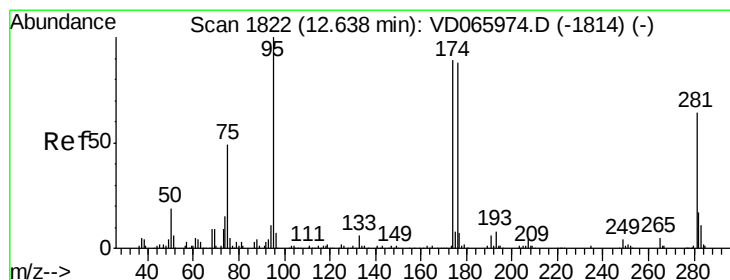
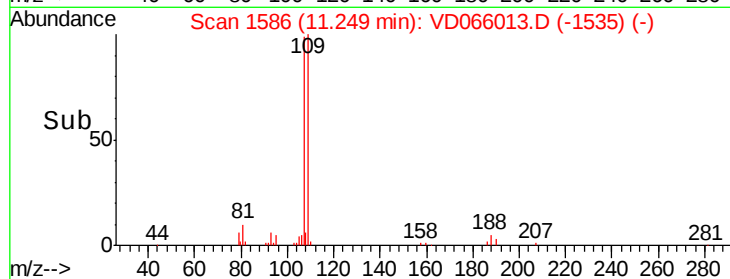
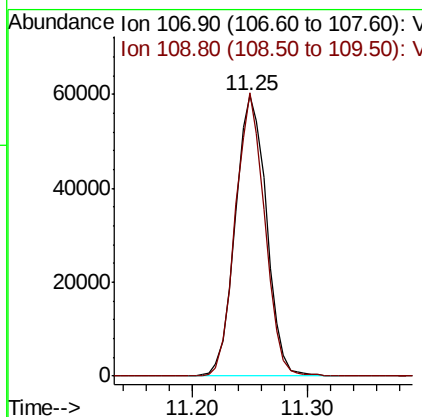
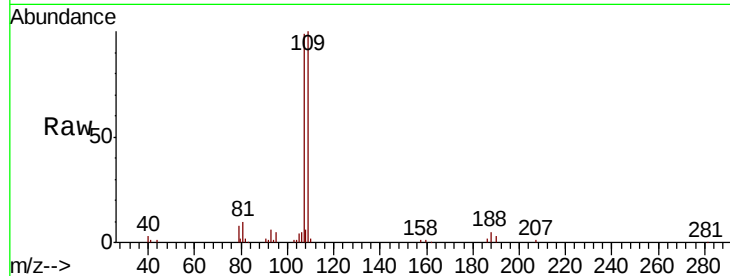




#61
 1,2-Dibromoethane
 Concen: 53.989 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

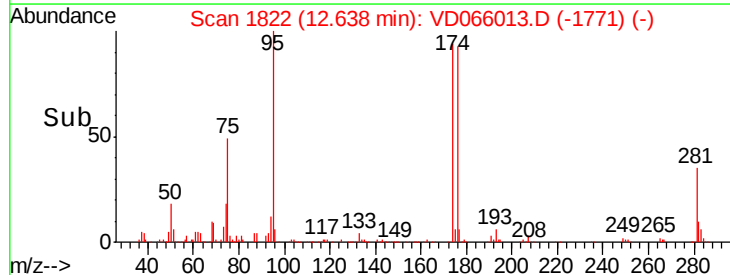
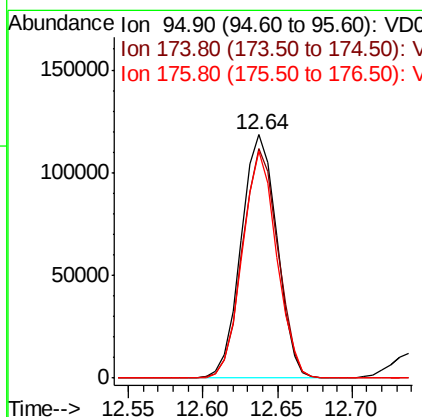
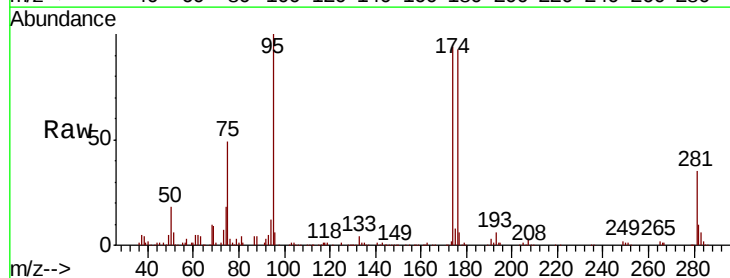
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

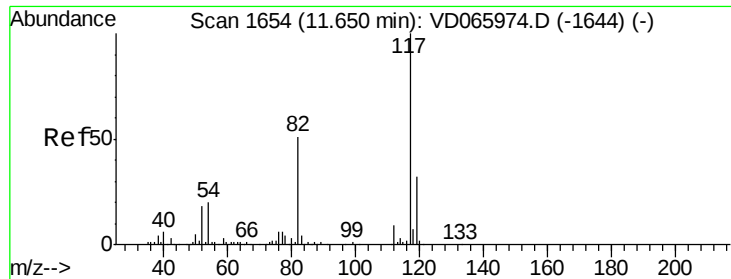
Tot Ion:107 Resp: 111898
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.718 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Tgt Ion: 95 Resp: 197278
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 178.8
 176 89.2 0.0 172.6

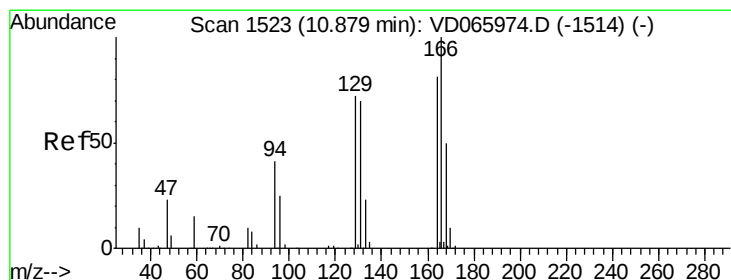
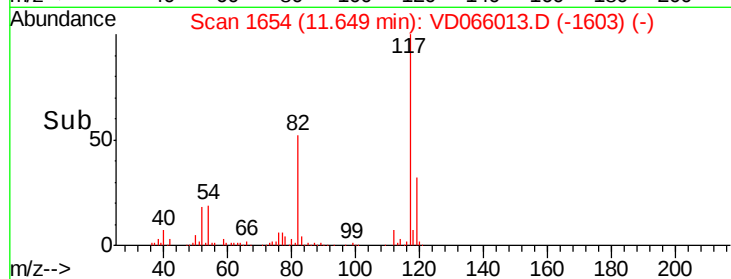
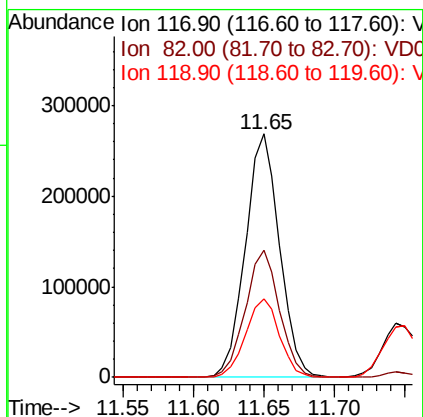
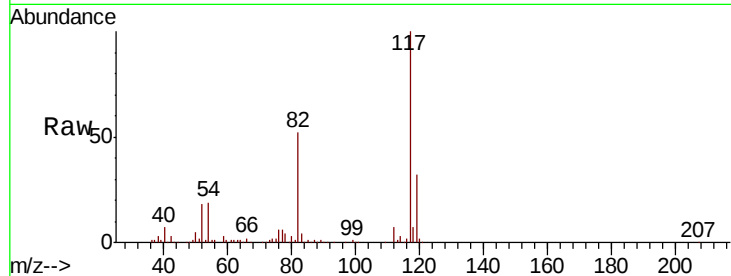




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

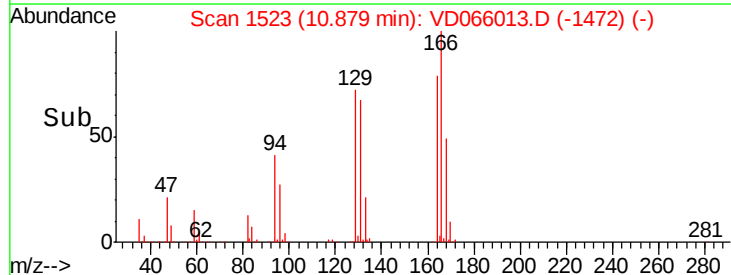
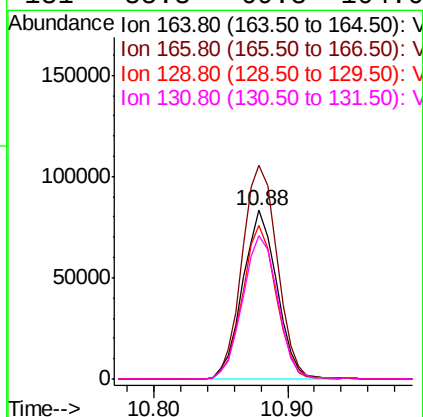
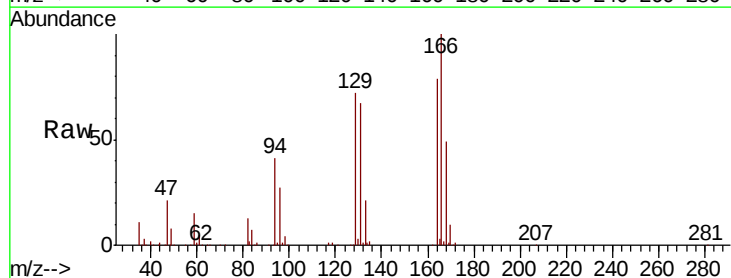
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

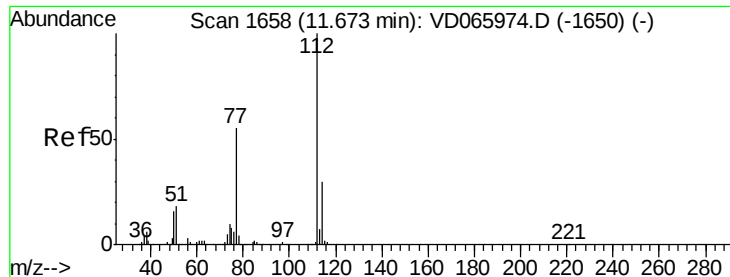
Tot Ion:117 Resp: 456803
Ion Ratio Lower Upper
117 100
82 52.3 41.1 61.7
119 32.2 25.9 38.9



#64
Tetrachloroethene
Concen: 47.403 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion:164 Resp: 146971
Ion Ratio Lower Upper
164 100
166 126.7 99.1 148.7
129 91.2 71.5 107.3
131 85.3 69.8 104.6

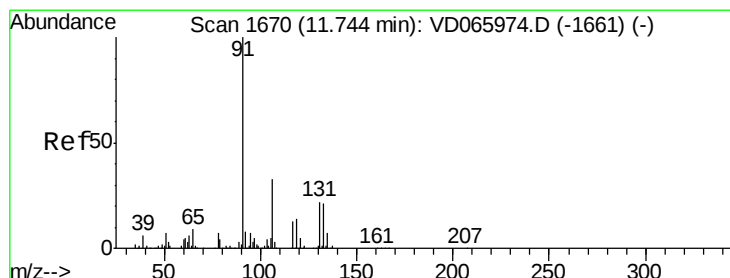
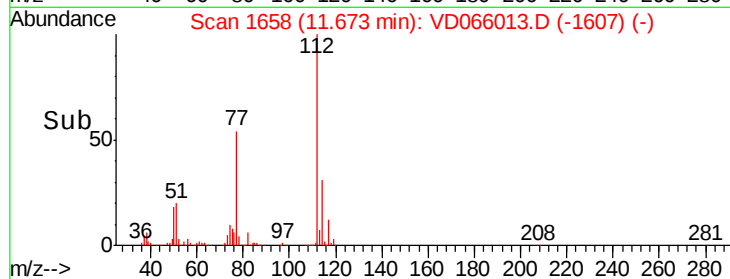
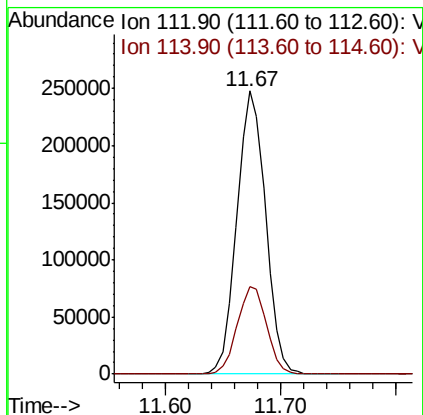
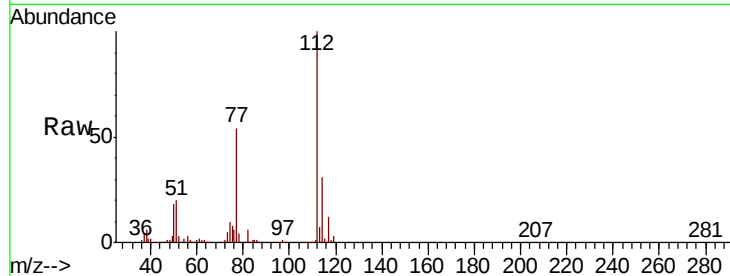




#65
Chlorobenzene
Concen: 50.972 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

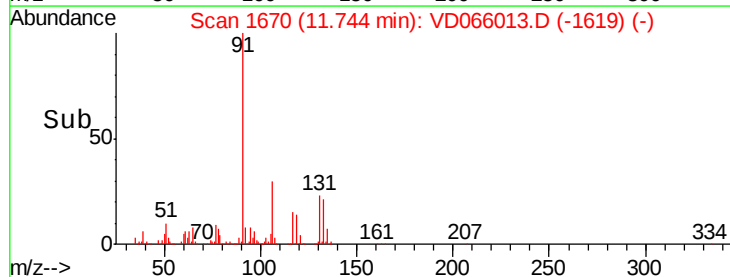
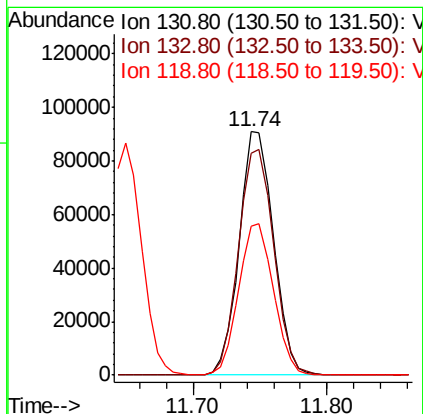
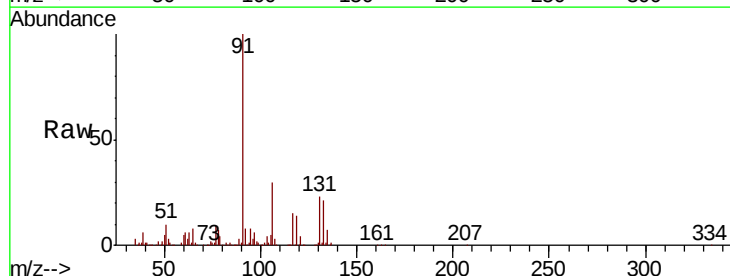
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

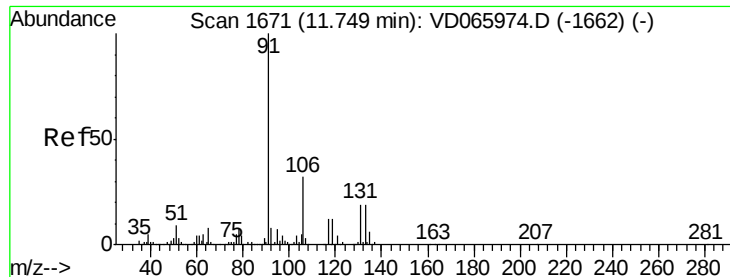
Tot Ion:112 Resp: 426322
Ion Ratio Lower Upper
112 100
114 31.1 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.618 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion:131 Resp: 162498
Ion Ratio Lower Upper
131 100
133 95.4 47.3 142.0
119 62.9 31.7 95.1





#67

Ethyl Benzene

Concen: 50.484 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

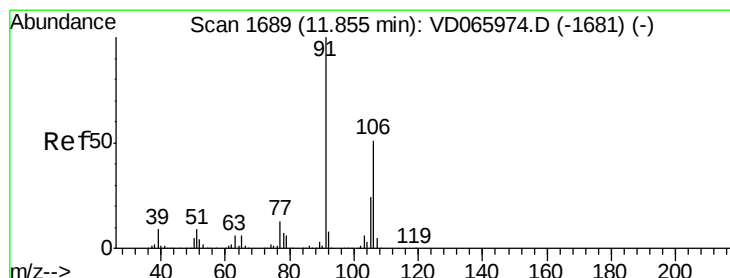
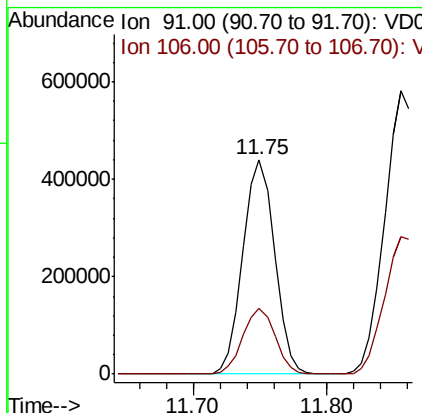
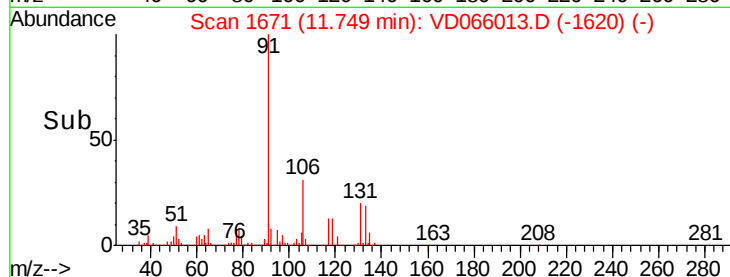
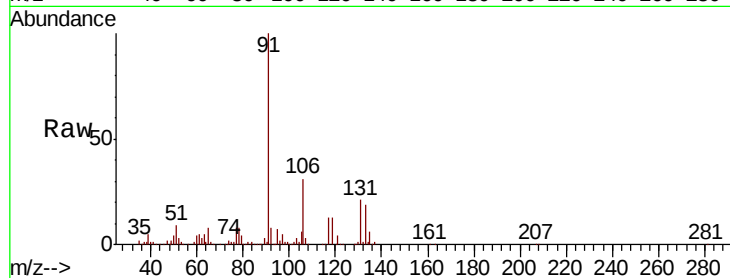
VSTDCCC050EC

Tot Ion: 91 Resp: 726641

Ion Ratio Lower Upper

91 100

106 30.6 25.7 38.5



#68

m/p-Xylenes

Concen: 101.167 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066013.D

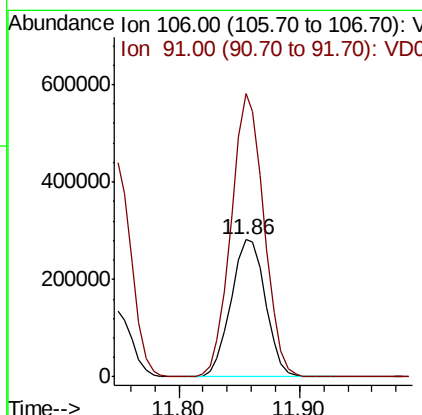
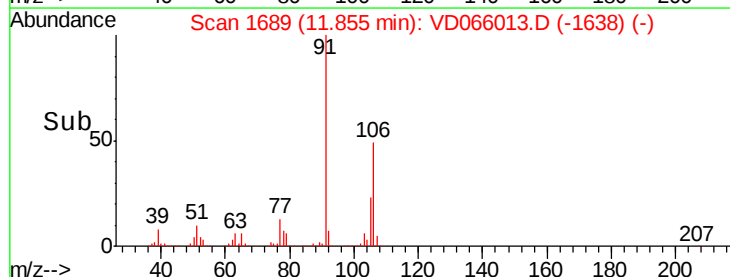
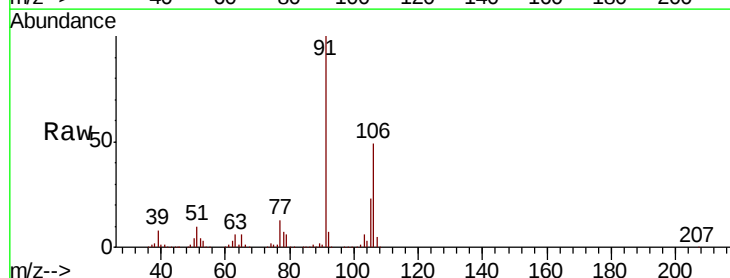
Acq: 22 Jul 2020 20:28

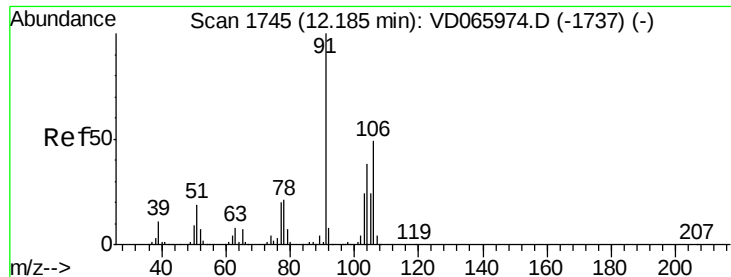
Tgt Ion: 106 Resp: 559681

Ion Ratio Lower Upper

106 100

91 196.3 157.0 235.6

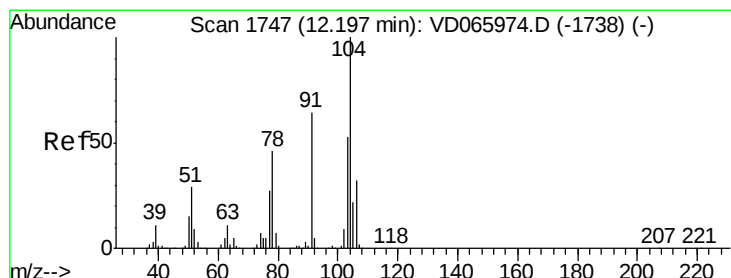
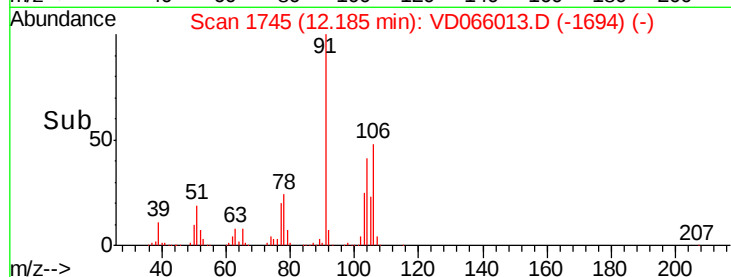
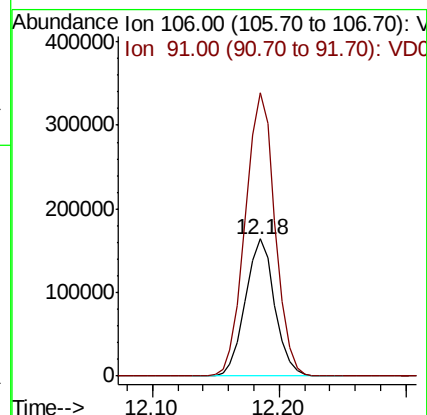
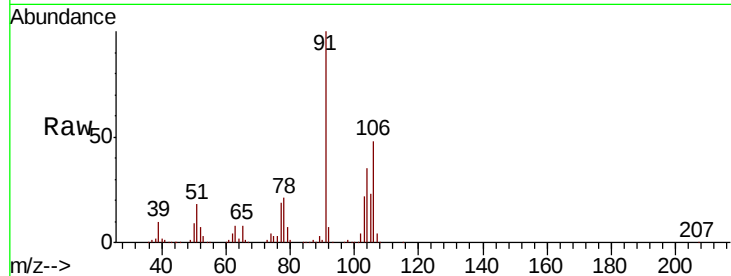




#69
o-Xylene
Concen: 52.368 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

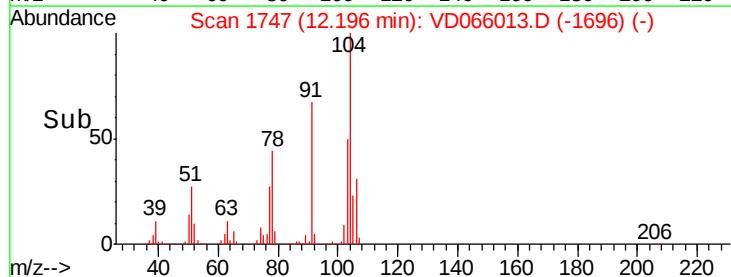
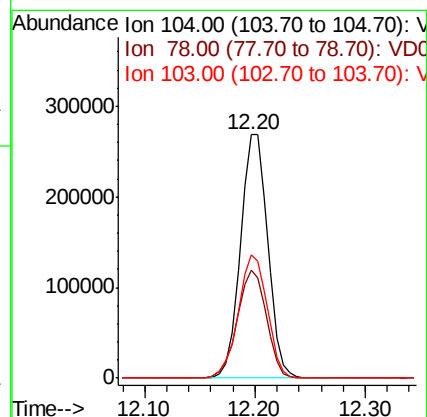
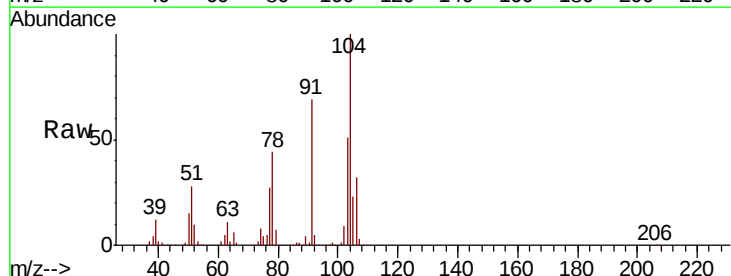
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

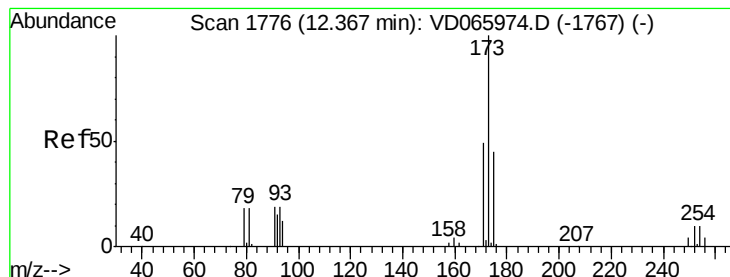
Tot Ion:106 Resp: 263503
Ion Ratio Lower Upper
106 100
91 209.6 103.1 309.3



#70
Styrene
Concen: 54.122 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion:104 Resp: 467909
Ion Ratio Lower Upper
104 100
78 47.3 38.3 57.5
103 53.6 43.8 65.8





#71

Bromoform

Concen: 53.487 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

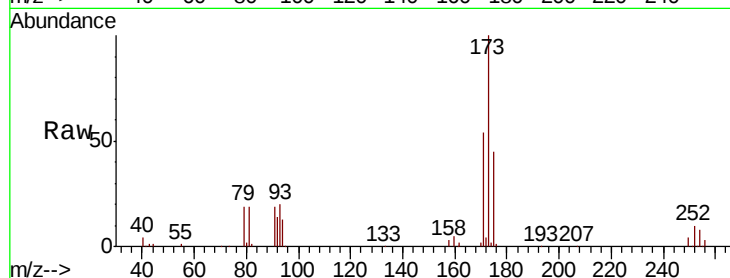
Tot Ion:173 Resp: 96756

Ion Ratio Lower Upper

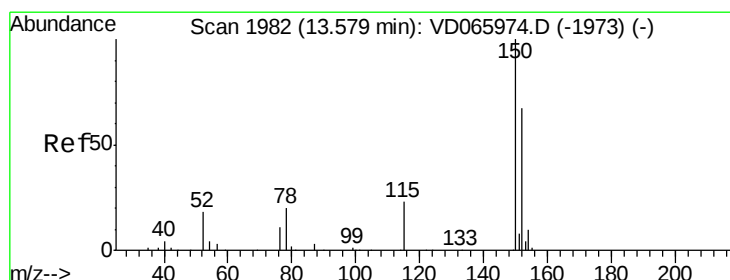
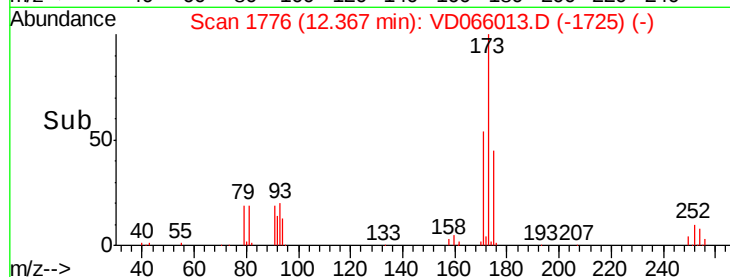
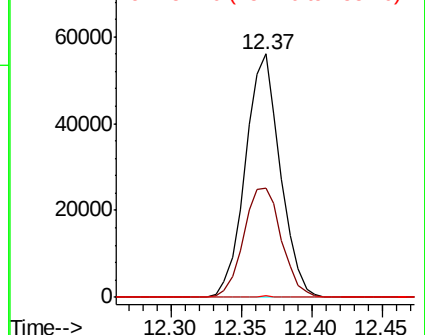
173 100

175 48.9 24.1 72.3

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

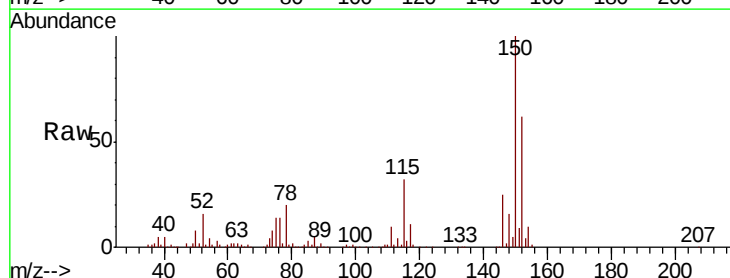
Tgt Ion:152 Resp: 237424

Ion Ratio Lower Upper

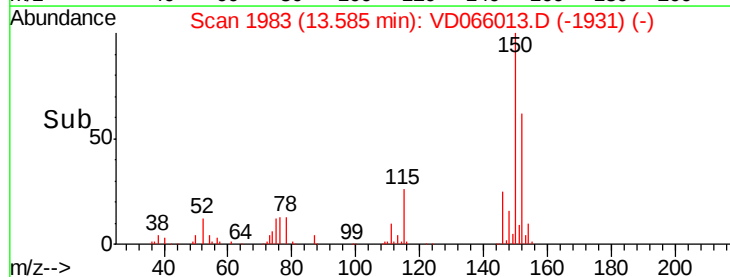
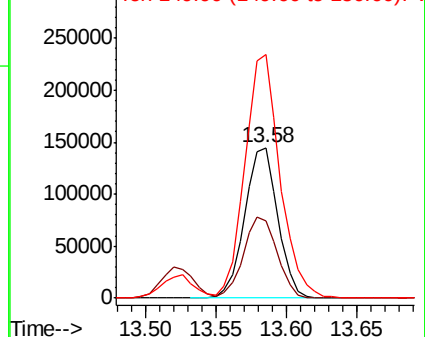
152 100

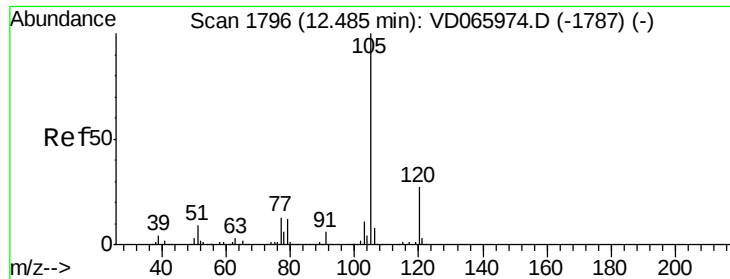
115 54.7 27.9 83.7

150 171.3 0.0 348.2



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: 49.429 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

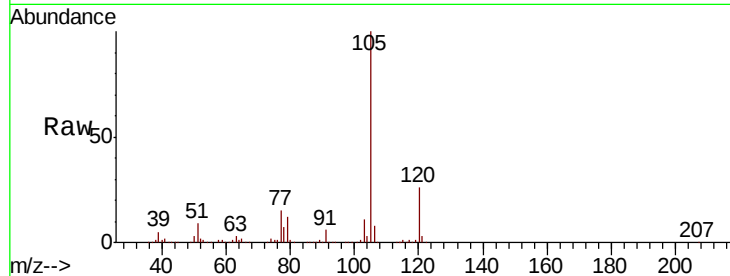
VSTDCCC050EC

Tot Ion:105 Resp: 710126

Ion Ratio Lower Upper

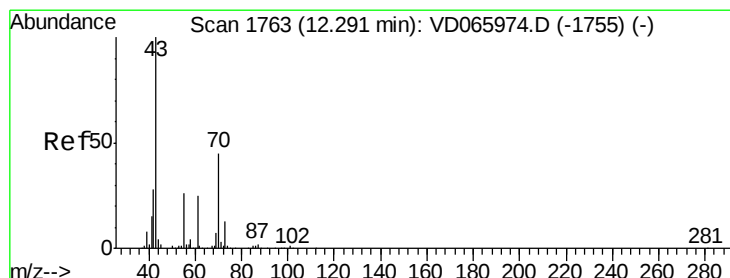
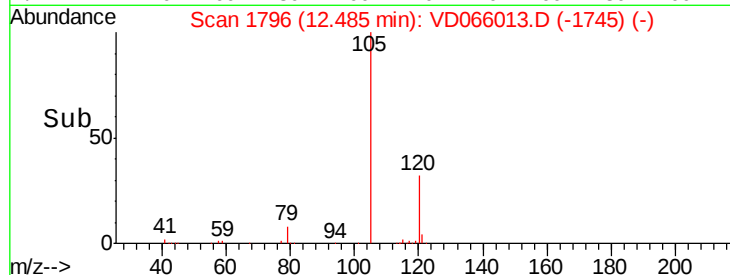
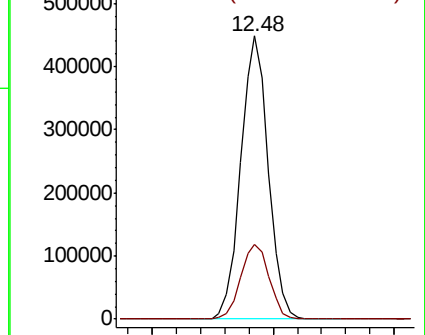
105 100

120 27.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.707 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Tgt Ion: 43 Resp: 159979

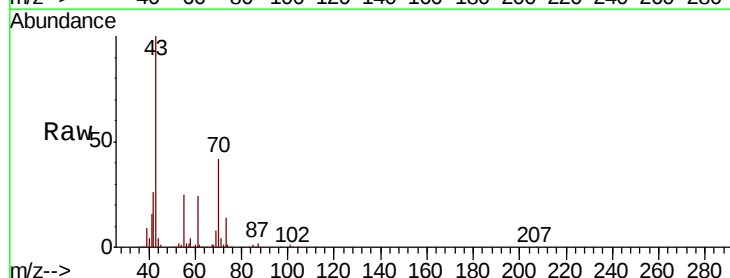
Ion Ratio Lower Upper

43 100

70 43.4 34.6 51.8

55 24.1 20.3 30.5

61 24.2 19.5 29.3

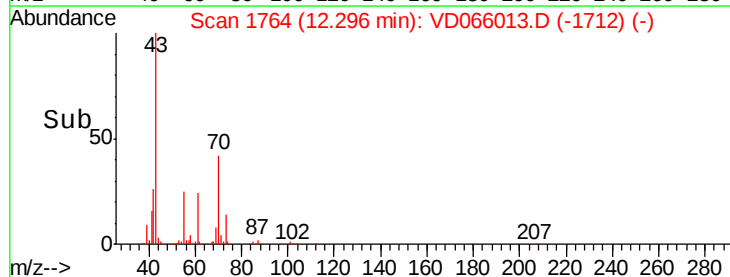
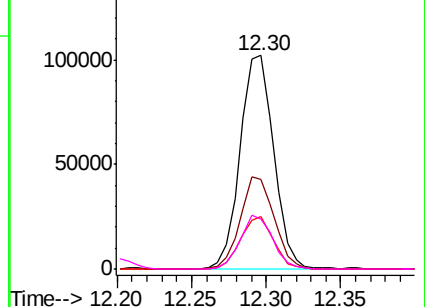


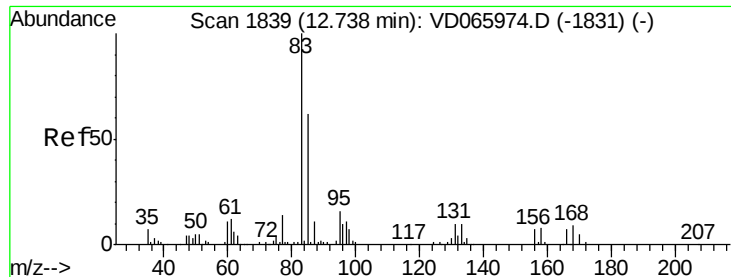
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.665 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

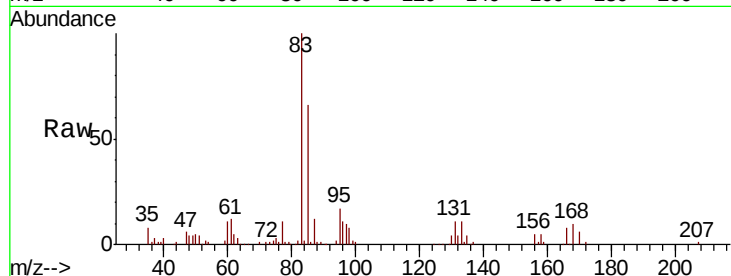
Tot Ion: 83 Resp: 120292

Ion Ratio Lower Upper

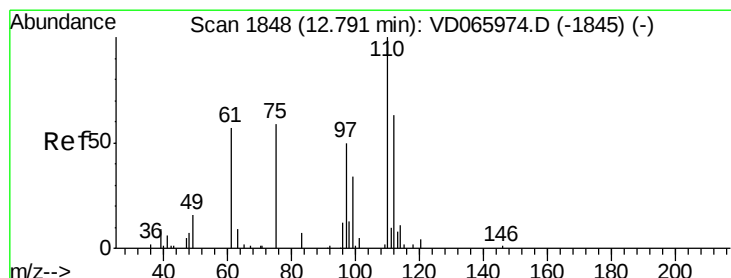
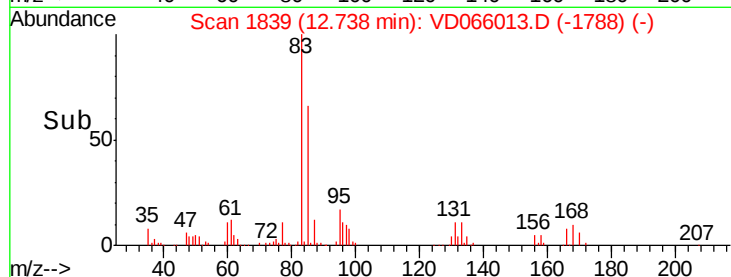
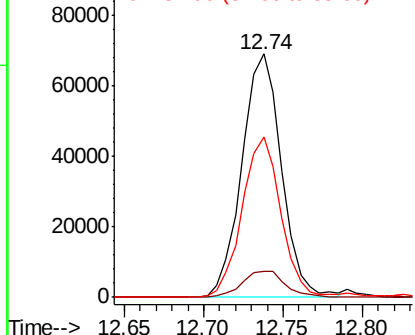
83 100

131 11.7 5.7 17.1

85 64.1 31.9 95.5



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: 86.350 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD066013.D

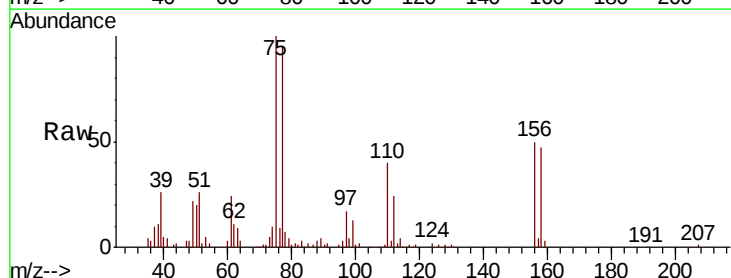
Acq: 22 Jul 2020 20:28

Tgt Ion: 75 Resp: 154367

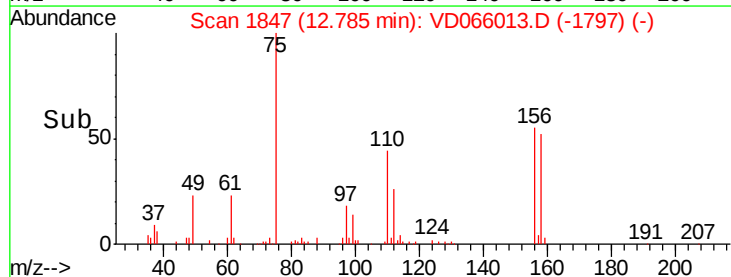
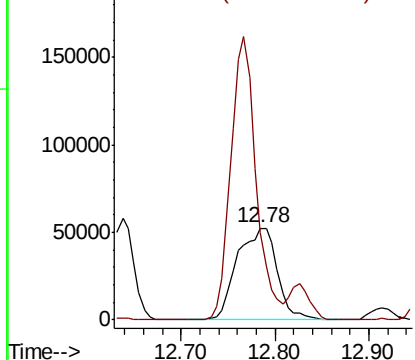
Ion Ratio Lower Upper

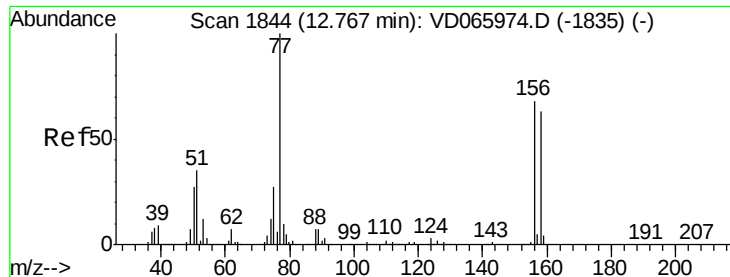
75 100

77 196.1 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: 50.404 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

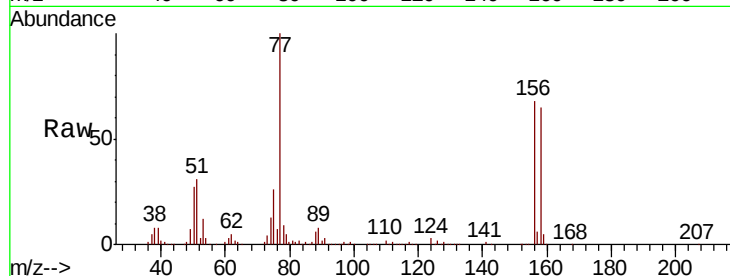
Tot Ion:156 Resp: 185061

Ion Ratio Lower Upper

156 100

77 163.6 83.0 249.0

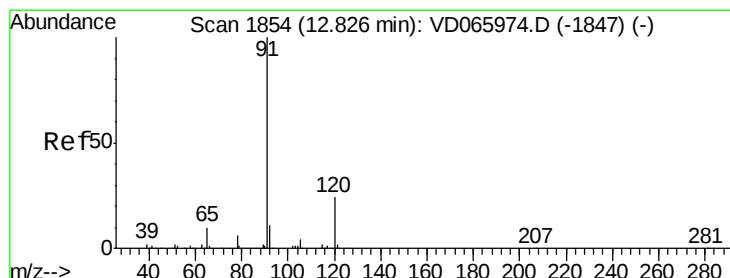
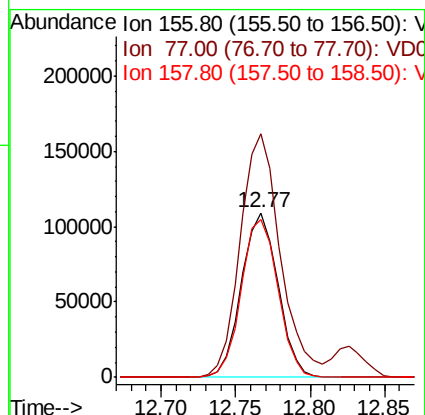
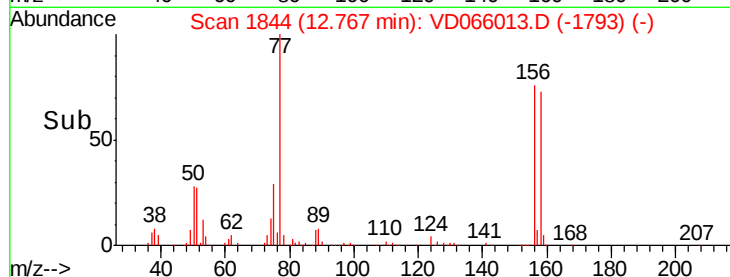
158 96.5 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.858 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD066013.D

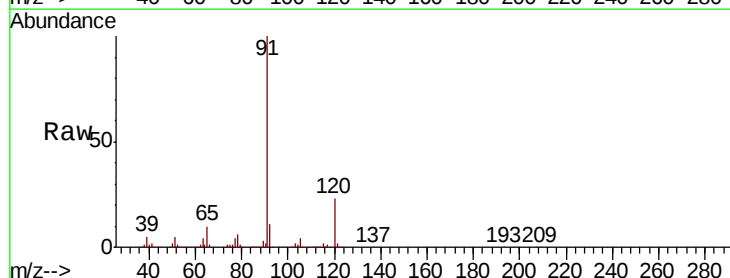
Acq: 22 Jul 2020 20:28

Tgt Ion: 91 Resp: 814508

Ion Ratio Lower Upper

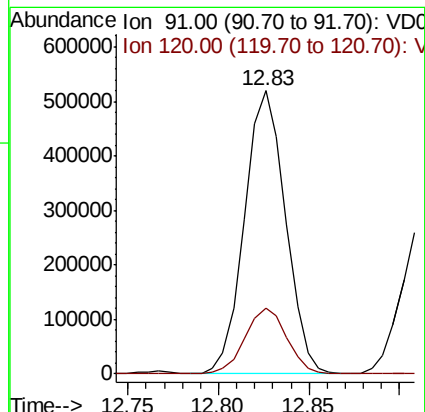
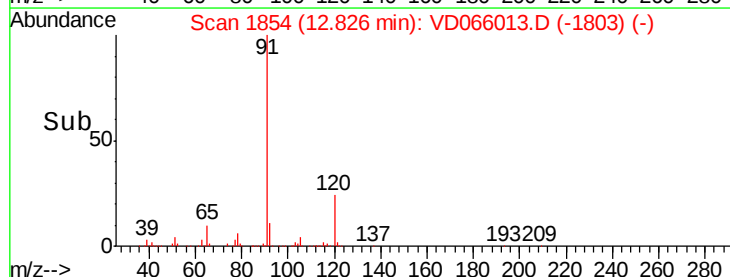
91 100

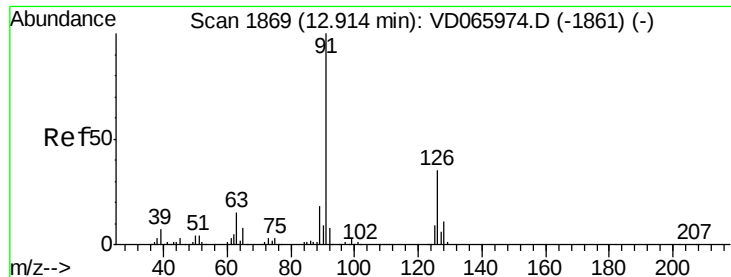
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

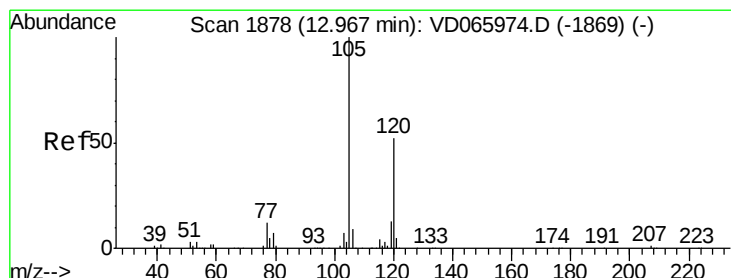
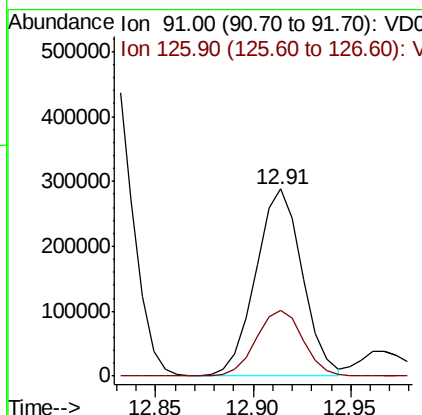
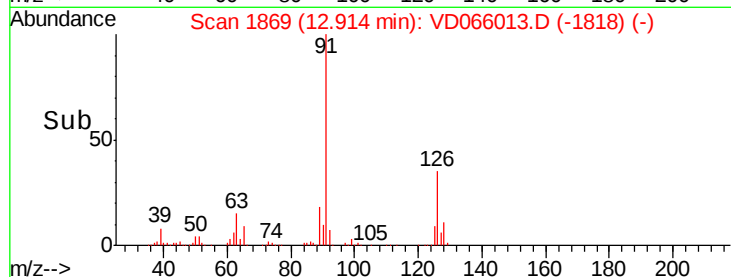
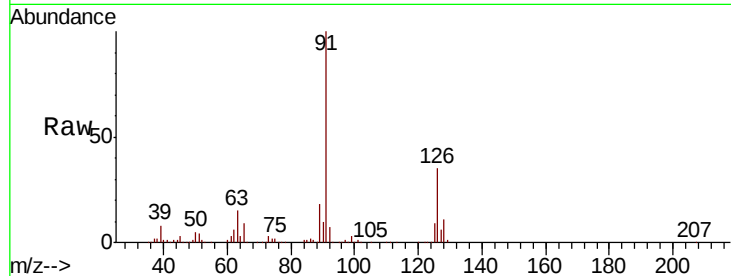




#79
 2-Chlorotoluene
 Concen: 49.816 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

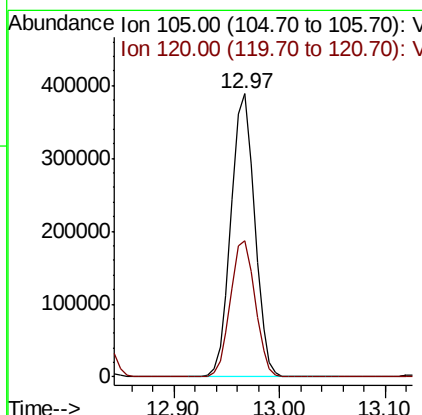
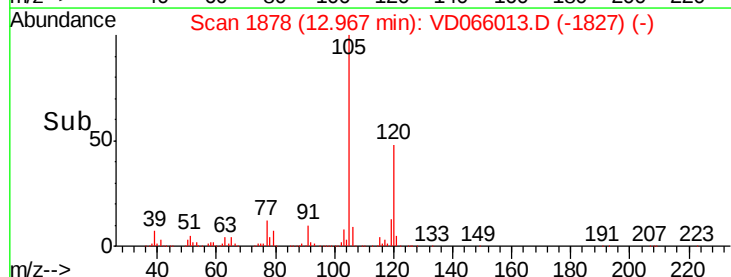
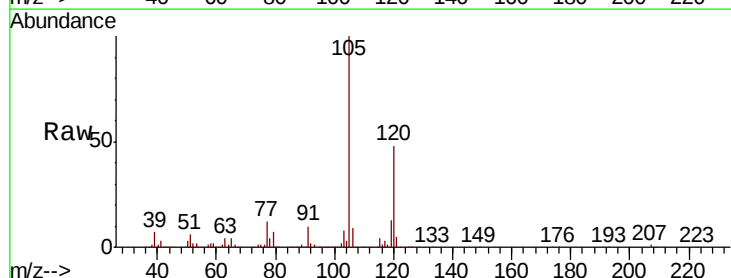
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

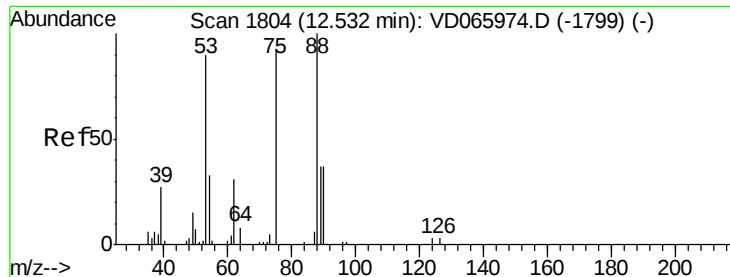
Tot Ion: 91 Resp: 474463
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.993 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Tgt Ion: 105 Resp: 601877
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.923 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

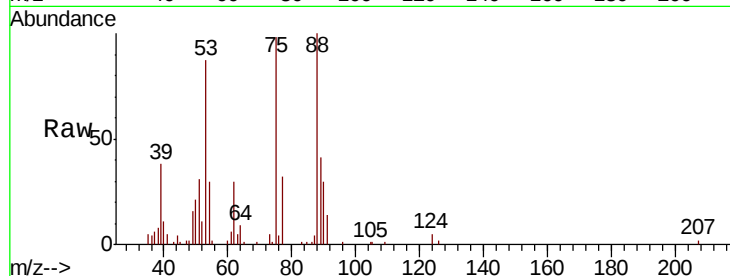
Tot Ion: 75 Resp: 39672

Ion Ratio Lower Upper

75 100

53 90.3 76.8 115.2

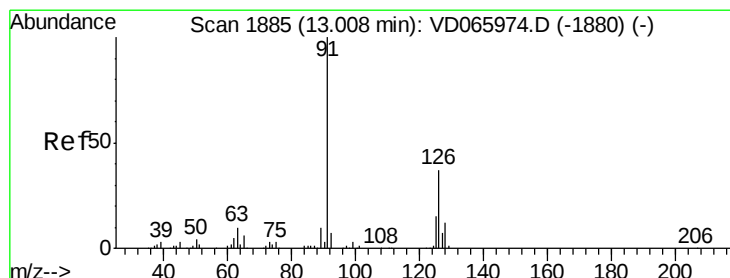
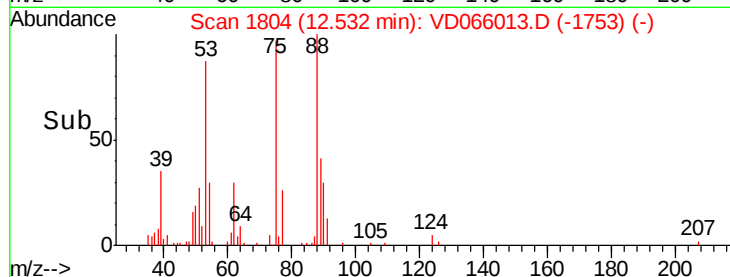
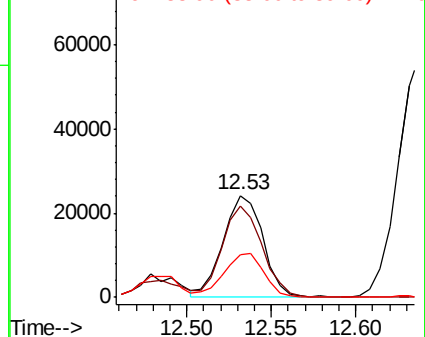
89 43.7 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.816 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066013.D

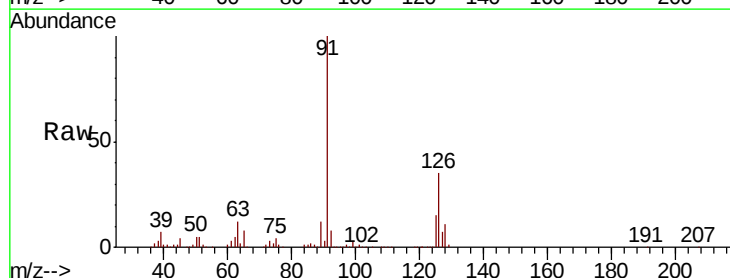
Acq: 22 Jul 2020 20:28

Tgt Ion: 91 Resp: 500798

Ion Ratio Lower Upper

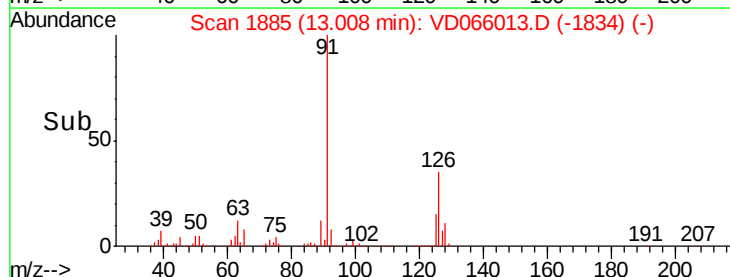
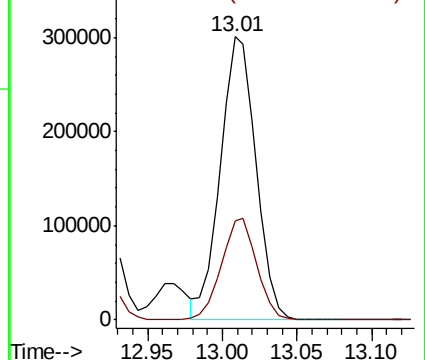
91 100

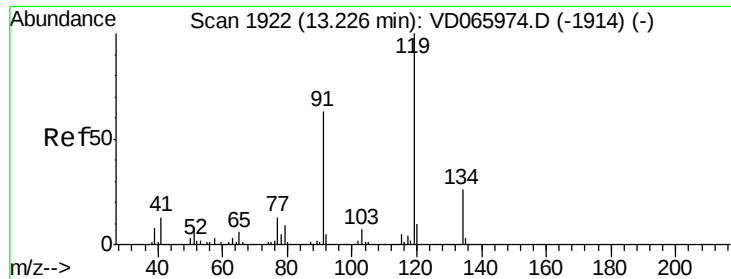
126 35.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

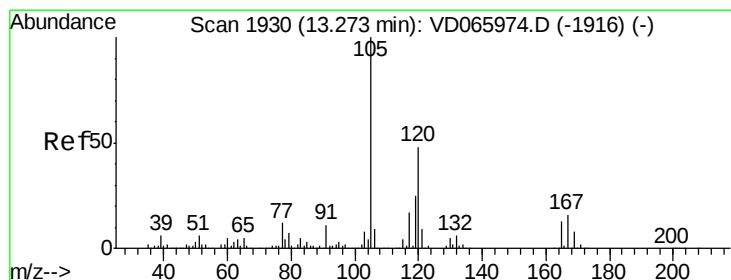
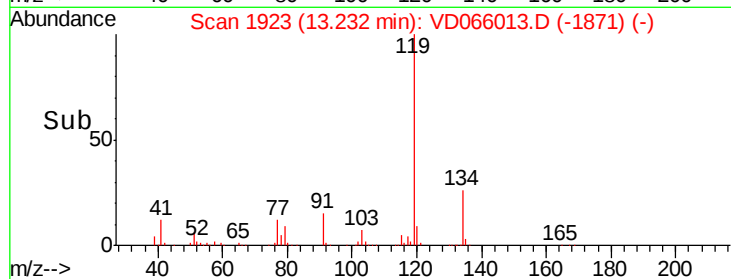
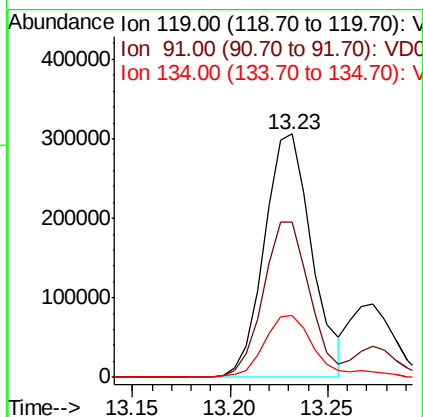
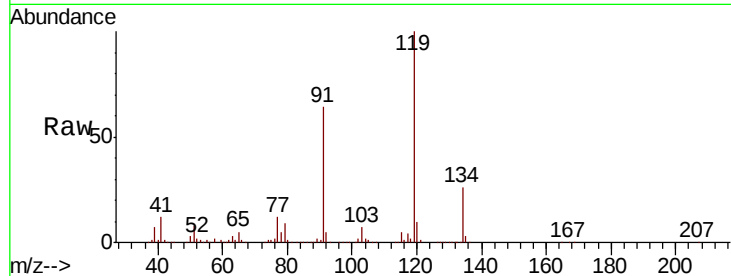




#83
tert-Butylbenzene
Concen: 50.005 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

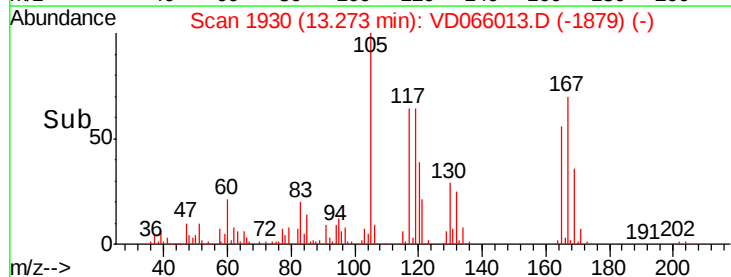
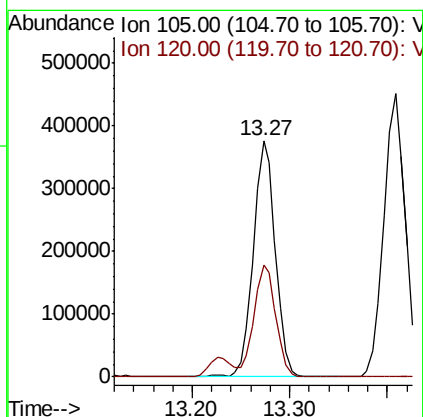
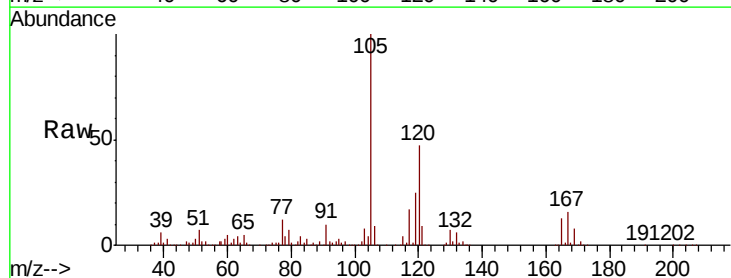
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

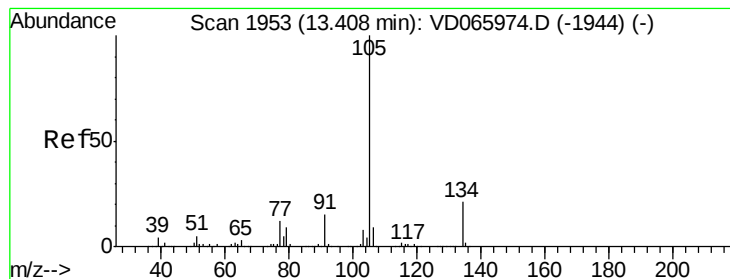
Tot Ion:119 Resp: 516475
Ion Ratio Lower Upper
119 100
91 62.1 30.6 91.6
134 27.5 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 51.408 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion:105 Resp: 598635
Ion Ratio Lower Upper
105 100
120 47.6 23.9 71.8





#85

sec-Butylbenzene

Concen: 48.362 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

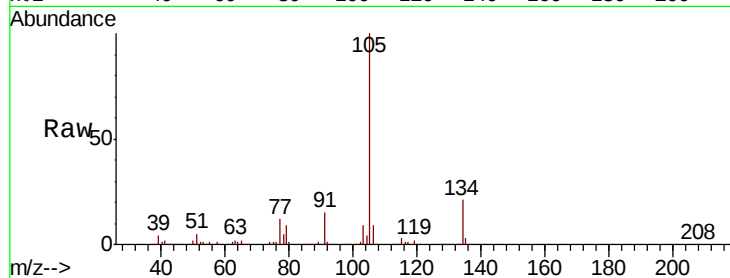
VSTDCCC050EC

Tot Ion:105 Resp: 688021

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

500000

400000

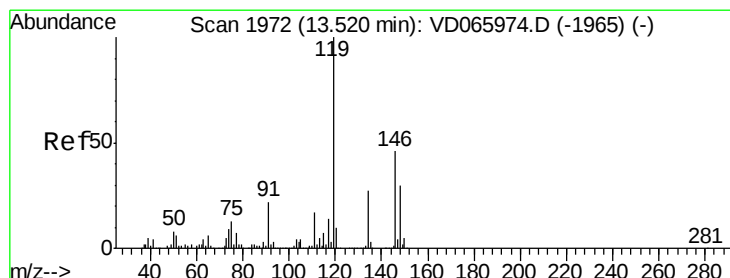
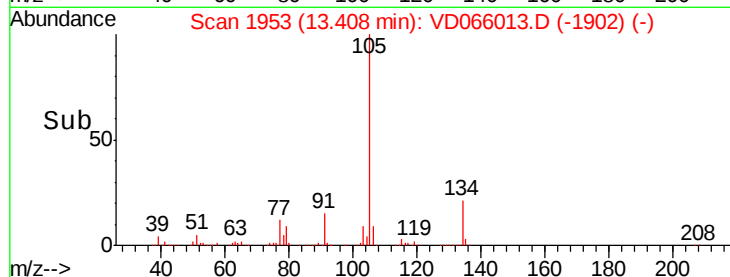
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 49.404 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

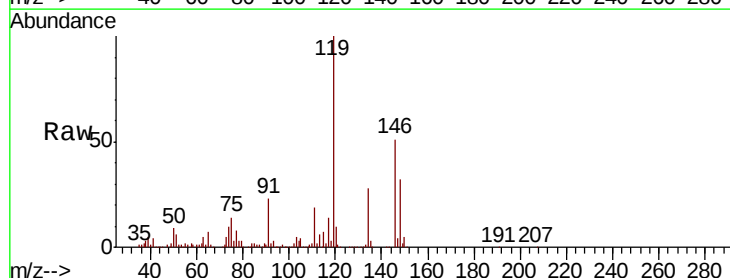
Tgt Ion:119 Resp: 638533

Ion Ratio Lower Upper

119 100

134 27.8 13.4 40.2

91 22.4 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

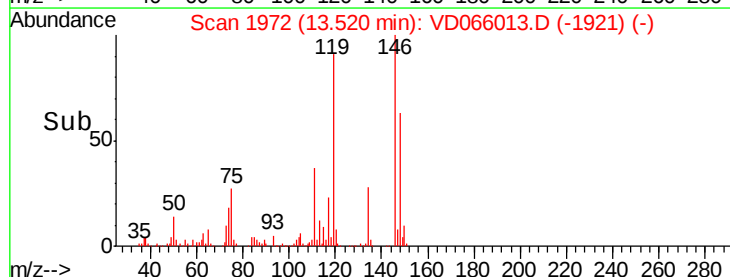
300000

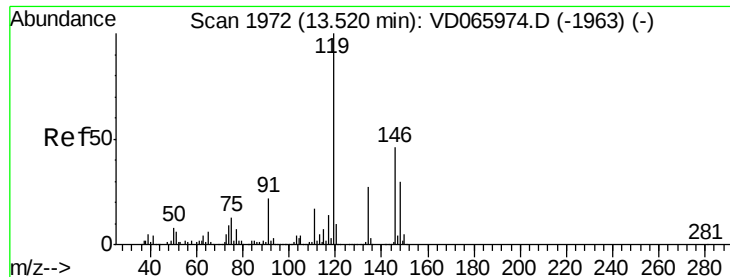
200000

100000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 49.798 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

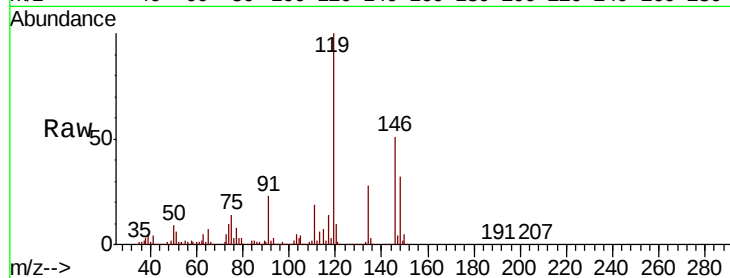
Tot Ion:146 Resp: 339455

Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.6

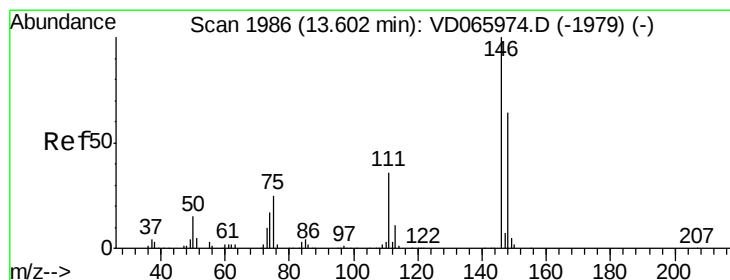
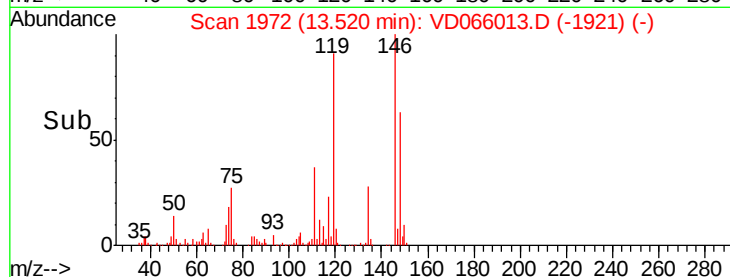
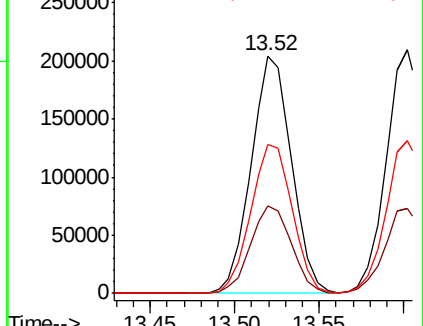
148 64.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.918 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD066013.D

Acq: 22 Jul 2020 20:28

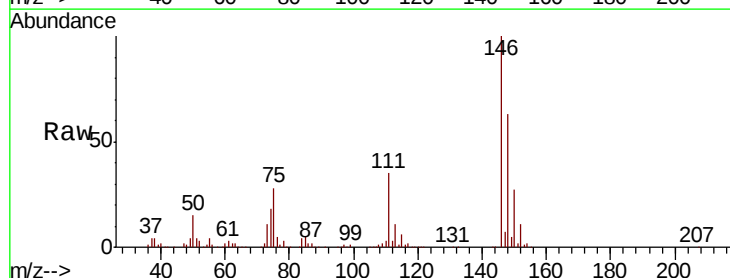
Tgt Ion:146 Resp: 343994

Ion Ratio Lower Upper

146 100

111 36.0 18.8 56.4

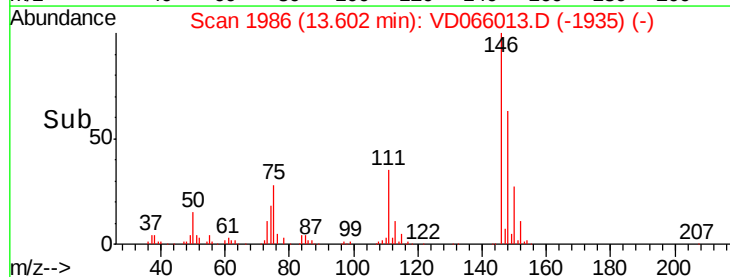
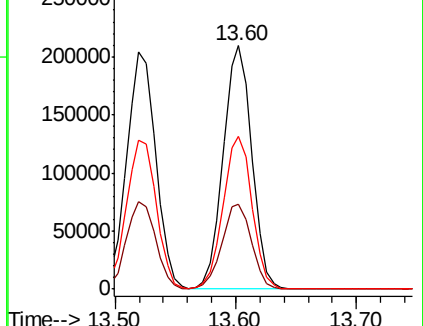
148 63.3 32.2 96.6

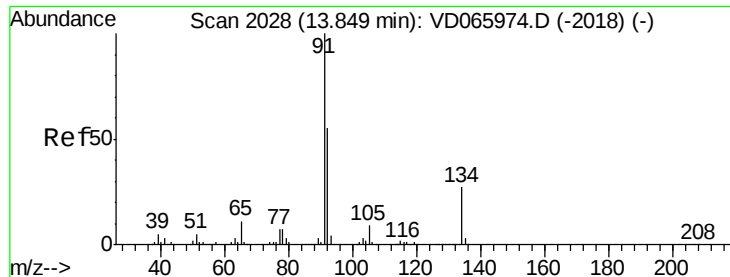


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

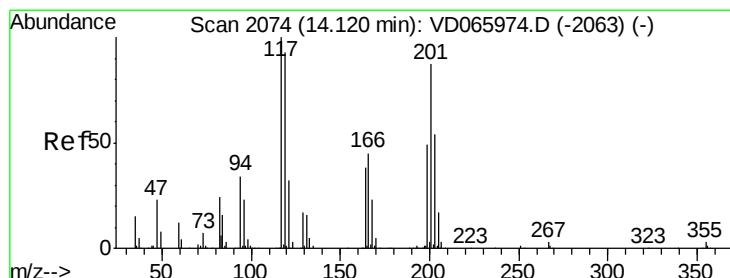
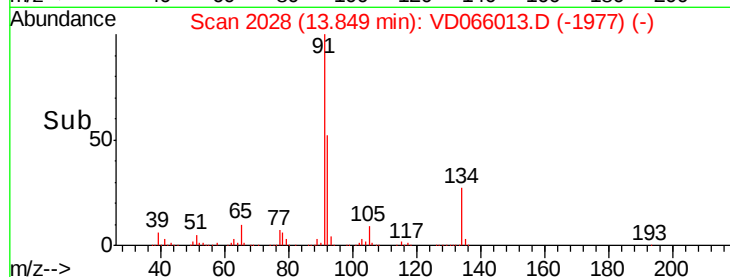
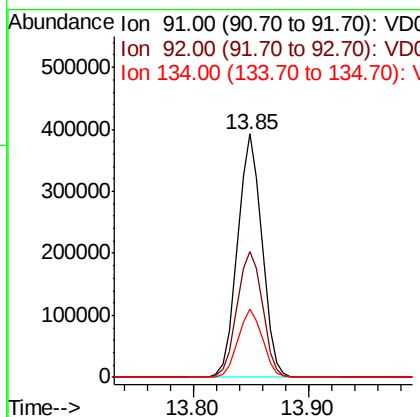
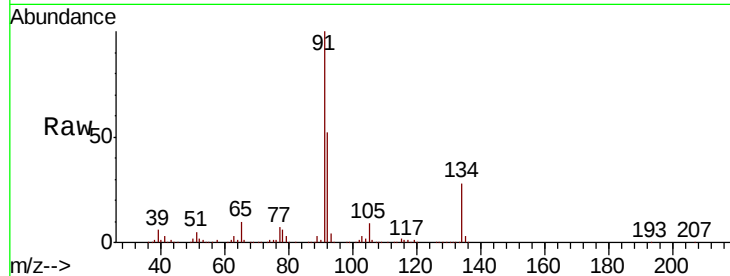




#89
n-Butylbenzene
Concen: 47.828 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

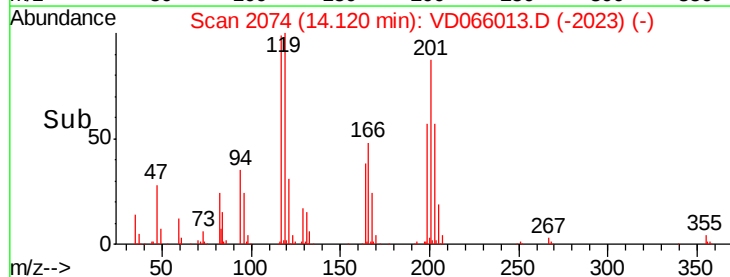
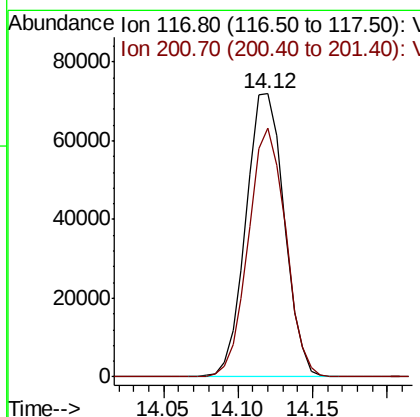
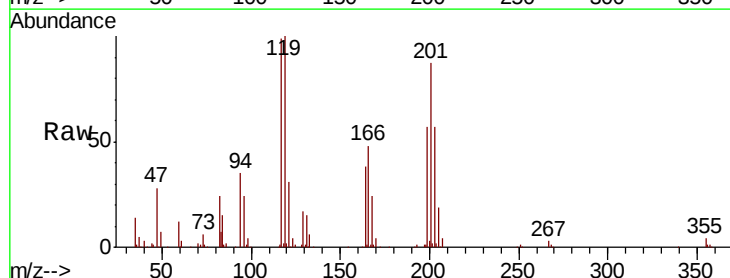
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

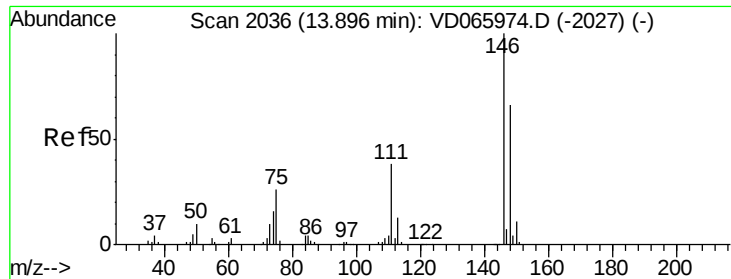
Tot Ion: 91 Resp: 574781
Ion Ratio Lower Upper
91 100
92 54.0 27.2 81.6
134 28.2 13.8 41.4



#90
Hexachloroethane
Concen: 47.840 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion: 117 Resp: 127999
Ion Ratio Lower Upper
117 100
201 85.3 42.0 126.1

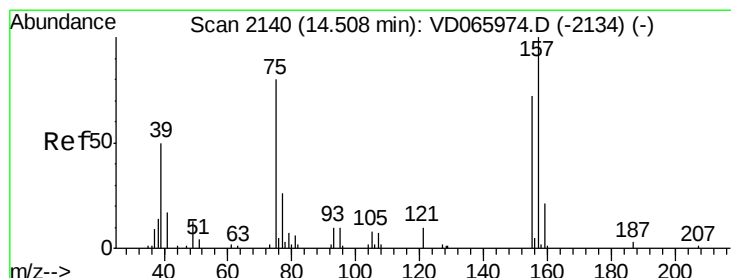
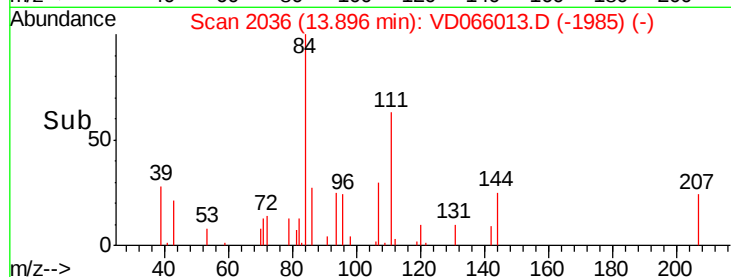
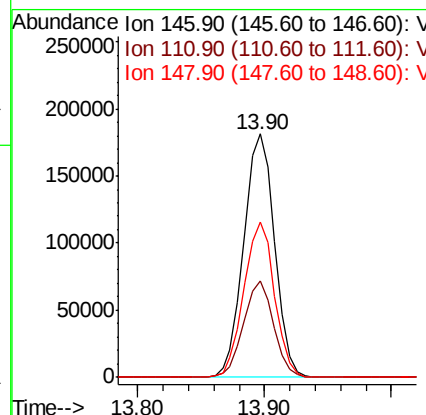
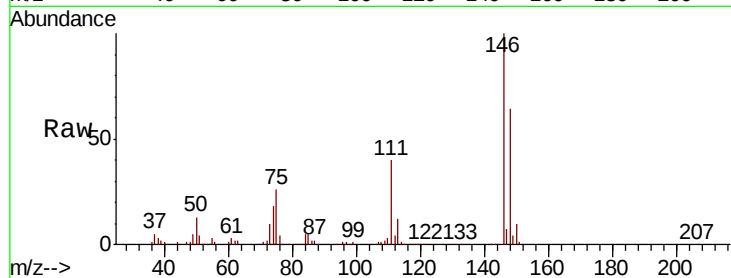




#91
 1,2-Dichlorobenzene
 Concen: 51.832 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

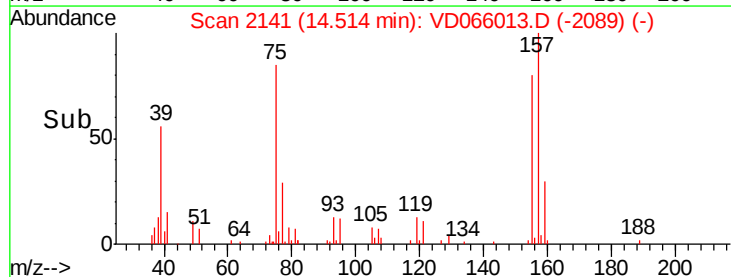
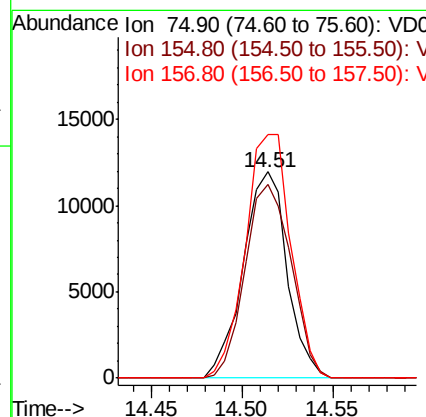
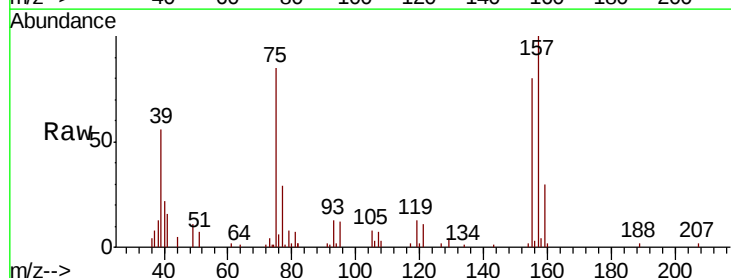
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

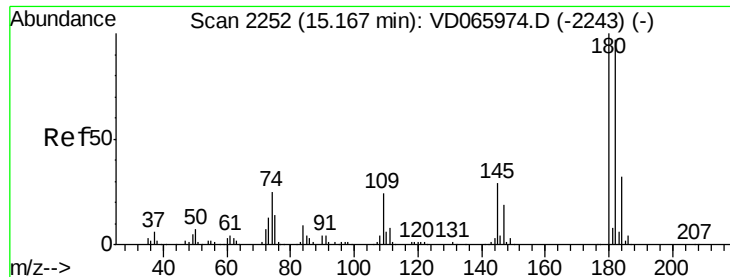
Tot Ion:146 Resp: 306167
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 63.3 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.853 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Tgt Ion: 75 Resp: 20177
 Ion Ratio Lower Upper
 75 100
 155 98.3 48.5 145.5
 157 122.6 64.7 194.1

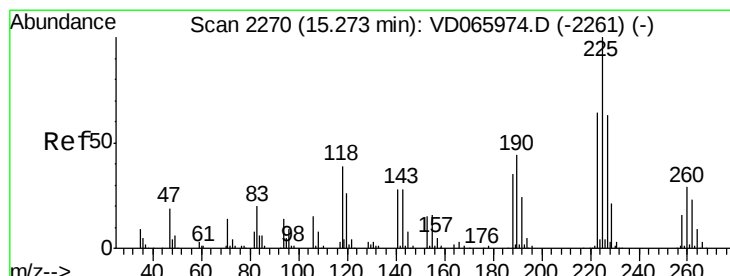
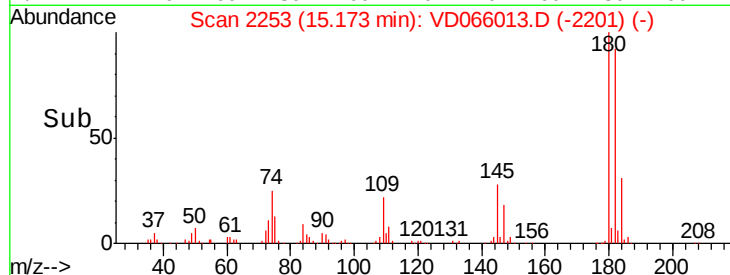
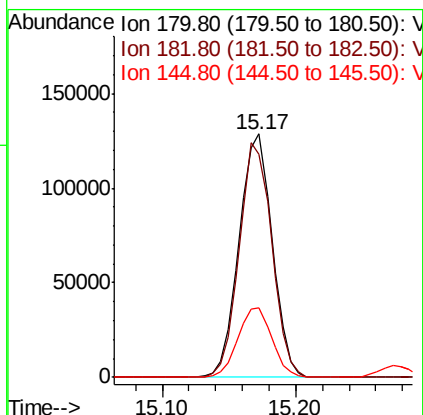
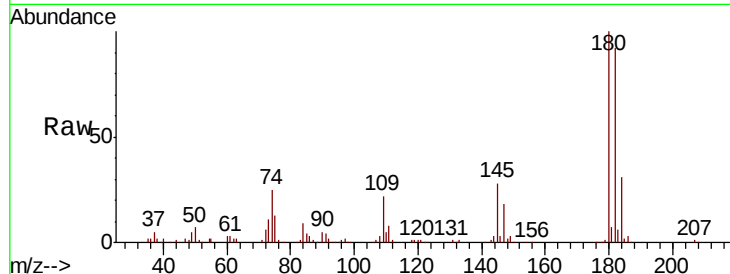




#93
 1,2,4-Trichlorobenzene
 Concen: 52.190 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

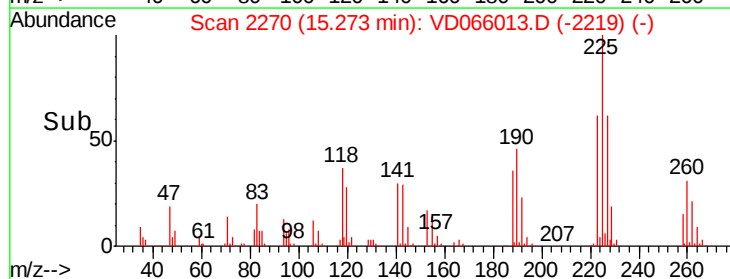
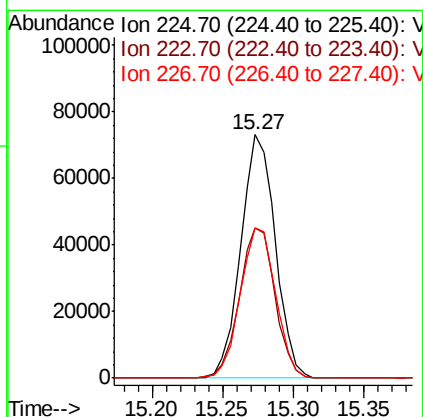
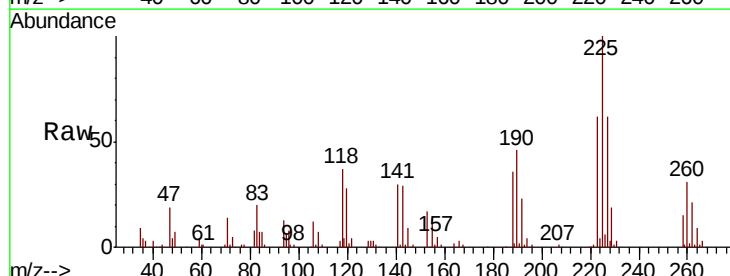
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

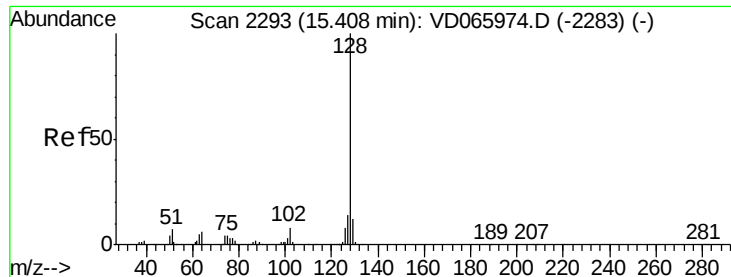
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	29.1	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 47.719 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066013.D
 Acq: 22 Jul 2020 20:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.2	93.6
227	63.5	31.6	94.8

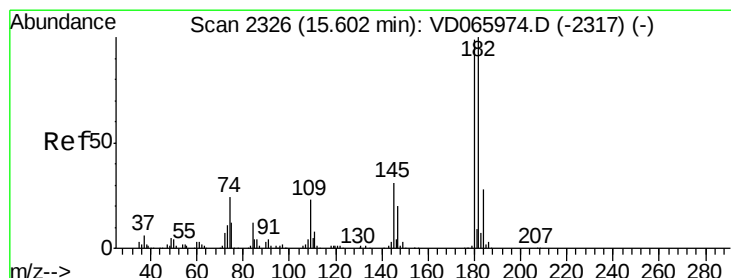
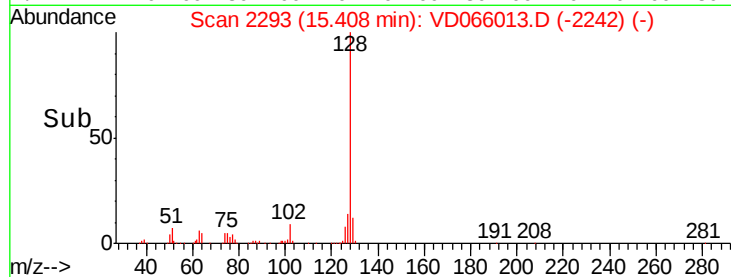
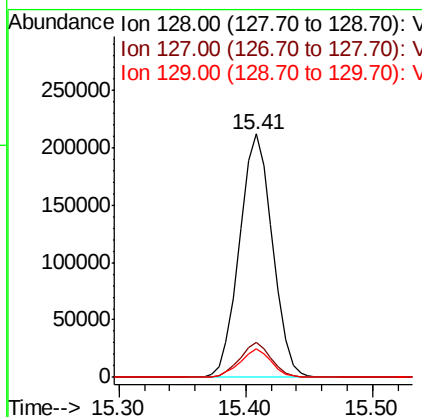
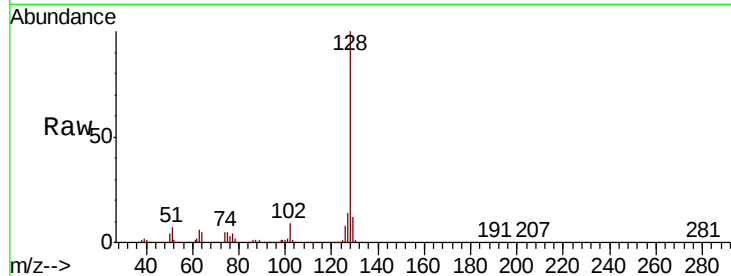




#95
Naphthalene
Concen: 50.644 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 382228
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.409 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066013.D
Acq: 22 Jul 2020 20:28

Tgt Ion:180 Resp: 193177
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.6
145 31.6 15.4 46.2

