

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066881.D
 Acq On : 25 Sep 2020 18:28
 Operator : VA/SY
 Sample : L4127-05MSD
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Quant Time: Sep 26 03:02:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	337447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	572889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	455658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141670	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	168123	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.91	113	178283	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	10.34	98	552577	44.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.00%	
62) 4-Bromofluorobenzene	12.63	95	155002	36.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	126216	54.120	ug/l	92
3) Chloromethane	2.21	50	152332	49.133	ug/l	98
4) Vinyl Chloride	2.35	62	147460	48.142	ug/l	99
5) Bromomethane	2.77	94	112341	52.181	ug/l	99
6) Chloroethane	2.92	64	96211	50.581	ug/l	93
7) Trichlorofluoromethane	3.27	101	298695	47.482	ug/l	99
8) Diethyl Ether	3.71	74	91897	57.543	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	154315	42.305	ug/l	100
10) Methyl Iodide	4.30	142	174403	54.182	ug/l	97
11) Tert butyl alcohol	5.22	59	53157	270.298	ug/l	97
12) 1,1-Dichloroethene	4.06	96	168866	51.104	ug/l	96
13) Acrolein	3.93	56	69646	285.849	ug/l	94
14) Allyl chloride	4.72	41	255557	52.669	ug/l	97
15) Acrylonitrile	5.42	53	194536	274.872	ug/l	99
16) Acetone	4.16	43	188353	268.831	ug/l	95
17) Carbon Disulfide	4.41	76	468592	46.385	ug/l	99
18) Methyl Acetate	4.72	43	118036	77.501	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	434190	60.506	ug/l	96
20) Methylene Chloride	4.97	84	234275	63.531	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	202618	52.957	ug/l	97
22) Diisopropyl ether	6.36	45	594471	59.587	ug/l	98
23) Vinyl Acetate	6.31	43	1177008	217.649	ug/l	96
24) 1,1-Dichloroethane	6.26	63	355643	53.287	ug/l	97
25) 2-Butanone	7.21	43	233370	277.169	ug/l	97
26) 2,2-Dichloropropane	7.21	77	290329	47.461	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	231116	55.595	ug/l	97
28) Bromochloromethane	7.55	49	151400	54.910	ug/l #	98
29) Tetrahydrofuran	7.56	42	150299	278.591	ug/l	97
30) Chloroform	7.71	83	382889	53.221	ug/l	100
31) Cyclohexane	7.98	56	183868	30.617	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	323685	49.736	ug/l	99
36) 1,1-Dichloropropene	8.11	75	245866	43.259	ug/l	99
37) Ethyl Acetate	7.29	43	99842	48.593	ug/l	98
38) Carbon Tetrachloride	8.10	117	264574	42.579	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	127876	19.596	ug/l	96
40) Benzene	8.35	78	795840	50.243	ug/l	99
41) Methacrylonitrile	7.52	41	56247	44.516	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	238639	50.962	ug/l	100
43) Isopropyl Acetate	8.45	43	196824	49.687	ug/l	97
44) Trichloroethene	9.11	130	200042	44.307	ug/l	99
45) 1,2-Dichloropropane	9.38	63	199381	50.029	ug/l	98
46) Dibromomethane	9.47	93	110862	51.199	ug/l	98
47) Bromodichloromethane	9.66	83	295072	50.728	ug/l #	99
48) Methyl methacrylate	9.46	41	109634	56.134	ug/l	95
49) 1,4-Dioxane	9.46	88	27335	1126.285	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	543842	270.948	ug/l	99
52) Toluene	10.40	92	472212	46.282	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	247819	50.056	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	306140	50.712	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	152942	51.380	ug/l	94
56) Ethyl methacrylate	10.66	69	179654	56.337	ug/l	96
57) 1,3-Dichloropropane	10.94	76	249873	50.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	378512	250.684	ug/l	98
59) 2-Hexanone	10.98	43	379681	280.499	ug/l	99
60) Dibromochloromethane	11.14	129	193994	49.934	ug/l	100
61) 1,2-Dibromoethane	11.24	107	139509	50.388	ug/l	95
64) Tetrachloroethene	10.87	164	154082	47.010	ug/l	97
65) Chlorobenzene	11.67	112	459264	48.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	191934	53.467	ug/l	99
67) Ethyl Benzene	11.74	91	741529	44.514	ug/l	100
68) m/p-Xylenes	11.85	106	567922	90.046	ug/l	99
69) o-Xylene	12.18	106	278805	48.887	ug/l	100
70) Styrene	12.19	104	469893	47.445	ug/l	99
71) Bromoform	12.36	173	100534	55.313	ug/l #	99
73) Isopropylbenzene	12.48	105	556953	54.421	ug/l	99
74) N-amyl acetate	12.28	43	178434	89.280	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	142313	80.586	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	182185	155.177	ug/l #	100
77) Bromobenzene	12.76	156	162335	67.822	ug/l	98
78) n-propylbenzene	12.82	91	564365	45.838	ug/l	100
79) 2-Chlorotoluene	12.91	91	378697	53.975	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	458391	52.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	42274	90.086	ug/l	98
82) 4-Chlorotoluene	13.00	91	389141	52.615	ug/l	98
83) tert-Butylbenzene	13.22	119	312609	43.809	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	506522	58.823	ug/l	99
85) sec-Butylbenzene	13.40	105	335837	32.729	ug/l	99
86) p-Isopropyltoluene	13.51	119	317879	34.368	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	214028	45.260	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	218058	46.428	ug/l	98
89) n-Butylbenzene	13.84	91	225445	25.644	ug/l	93
90) Hexachloroethane	14.11	117	61589	32.798	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	199289	49.259	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21543	75.834	ug/l	89

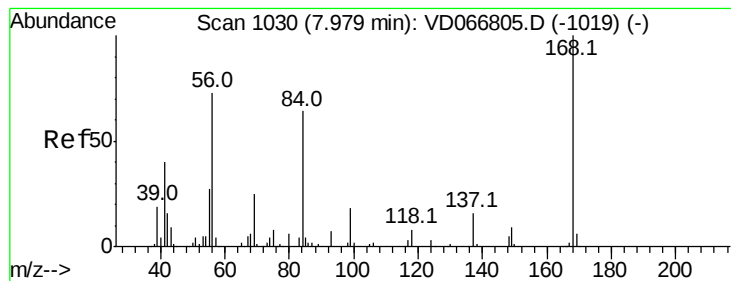
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57466	22.564	ug/l	91
94) Hexachlorobutadiene	15.27	225	16060	10.523	ug/l	94
95) Naphthalene	15.40	128	245094	56.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	49991	22.742	ug/l #	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

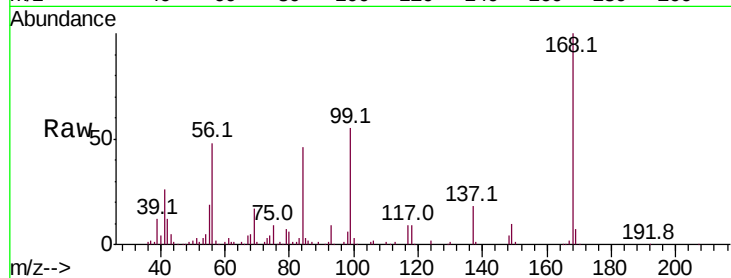
B-2(4-5)MSD

Tot Ion:168 Resp: 337447

Ion Ratio Lower Upper

168 100

99 54.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

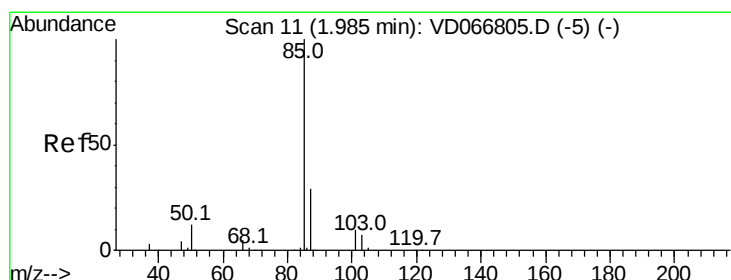
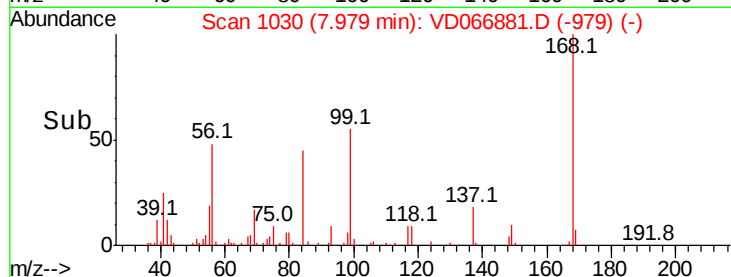
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.120 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066881.D

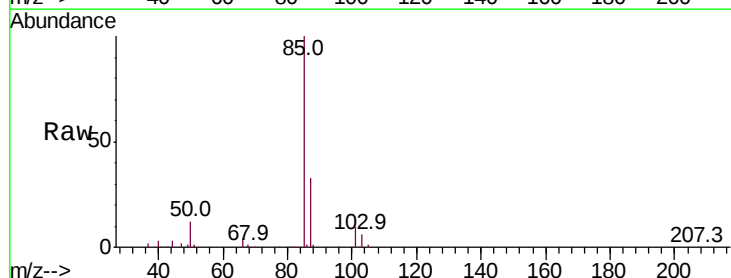
Acq: 25 Sep 2020 18:28

Tgt Ion: 85 Resp: 126216

Ion Ratio Lower Upper

85 100

87 33.3 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

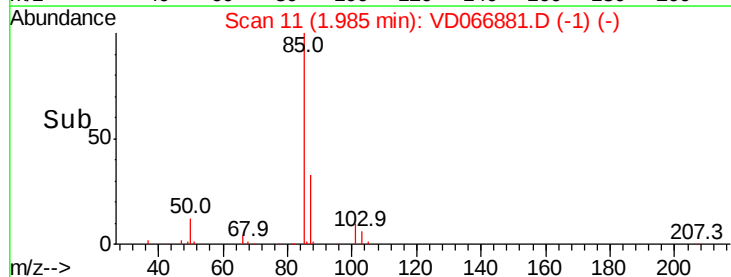
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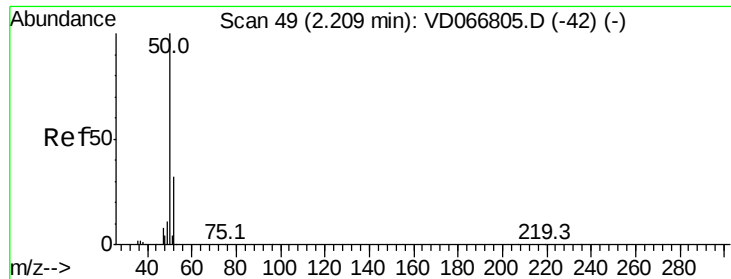
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 49.133 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

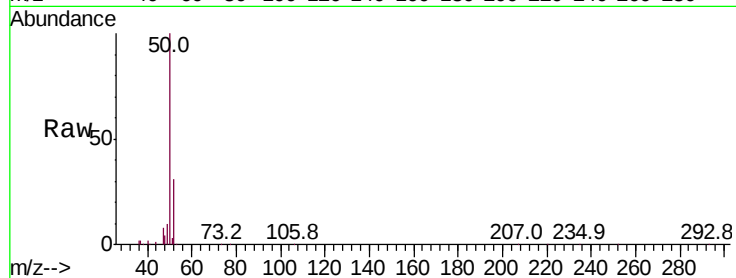
B-2(4-5)MSD

Tot Ion: 50 Resp: 152332

Ion Ratio Lower Upper

50 100

52 31.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

120000

100000

80000

60000

40000

20000

0

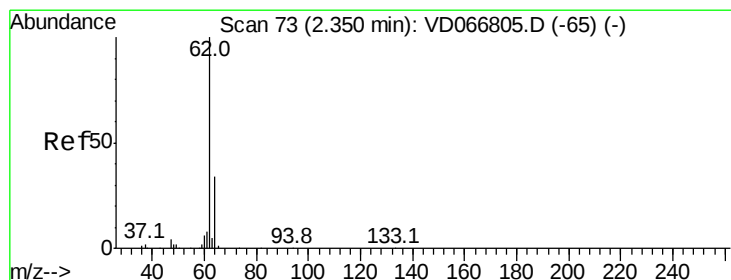
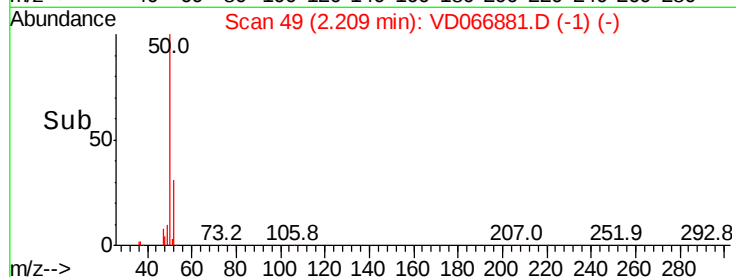
2.15

2.20

2.25

2.30

Time-->



#4

Vinyl Chloride

Concen: 48.142 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066881.D

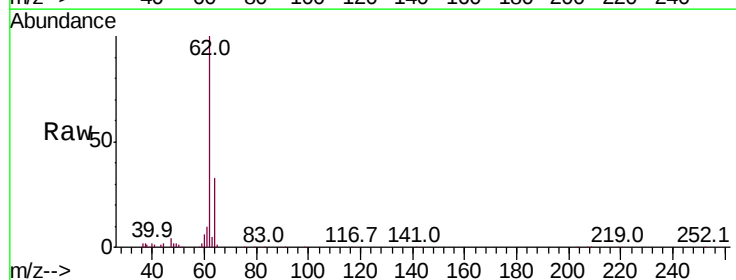
Acq: 25 Sep 2020 18:28

Tgt Ion: 62 Resp: 147460

Ion Ratio Lower Upper

62 100

64 33.1 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

100000

80000

60000

40000

20000

0

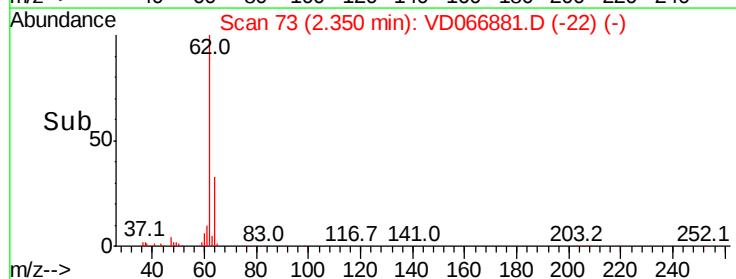
2.25

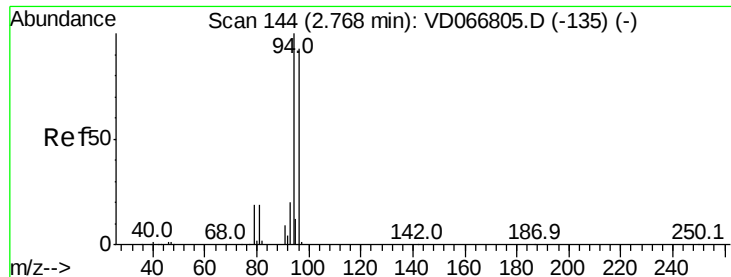
2.30

2.35

2.40

Time-->





#5

Bromomethane

Concen: 52.181 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

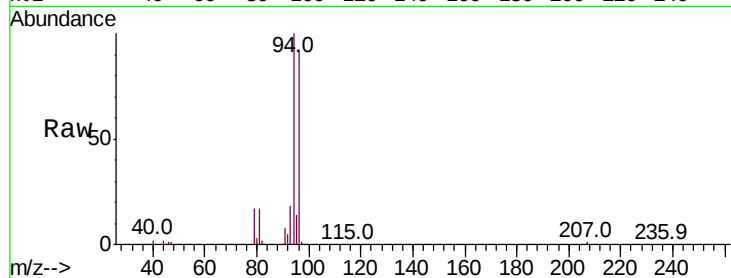
B-2(4-5)MSD

Tot Ion: 94 Resp: 112341

Ion Ratio Lower Upper

94 100

96 92.0 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

50000

40000

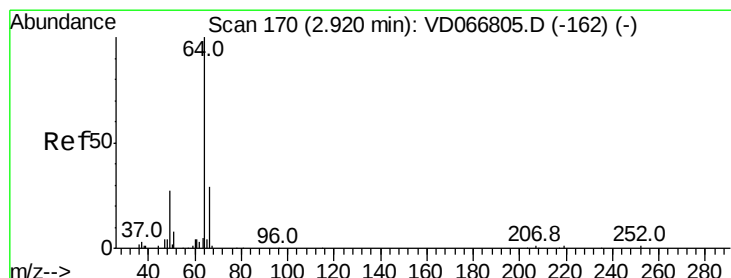
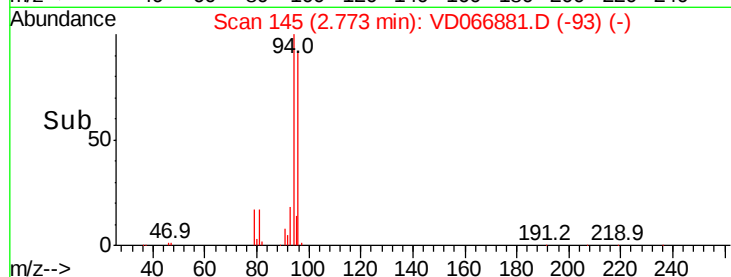
30000

20000

10000

0

Time--> 2.70 2.80 2.90



#6

Chloroethane

Concen: 50.581 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066881.D

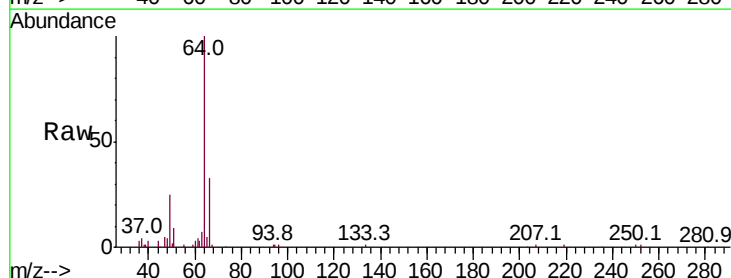
Acq: 25 Sep 2020 18:28

Tgt Ion: 64 Resp: 96211

Ion Ratio Lower Upper

64 100

66 33.1 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

50000

40000

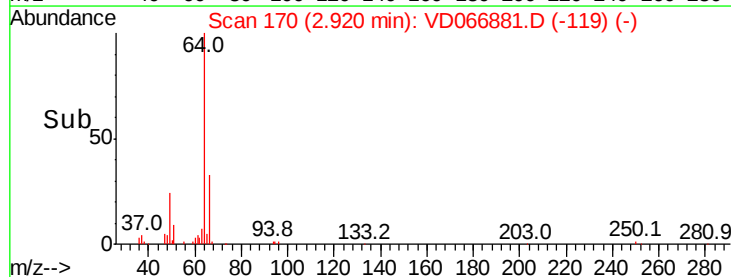
30000

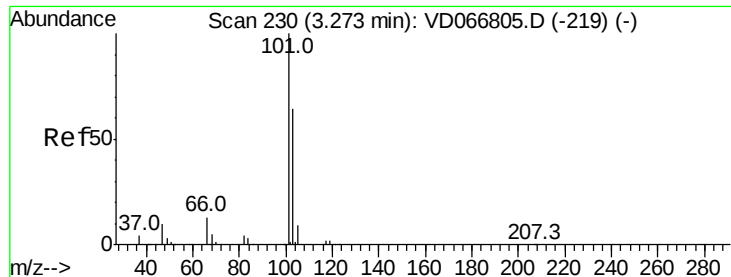
20000

10000

0

Time--> 2.85 2.90 2.95 3.00





#7

Trichlorofluoromethane

Concen: 47.482 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

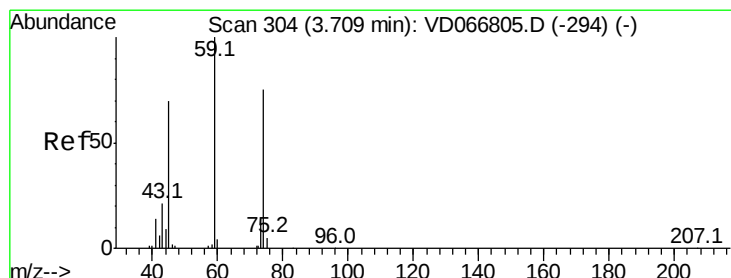
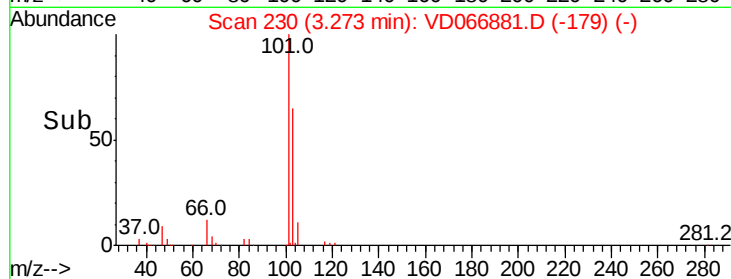
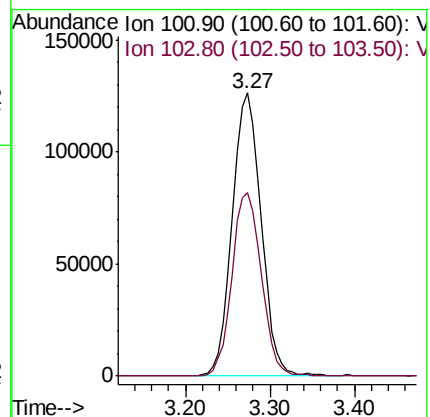
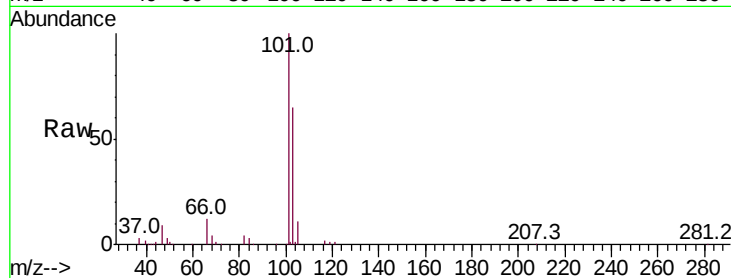
B-2(4-5)MSD

Tot Ion:101 Resp: 298695

Ion Ratio Lower Upper

101 100

103 64.7 51.0 76.6



#8

Diethyl Ether

Concen: 57.543 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066881.D

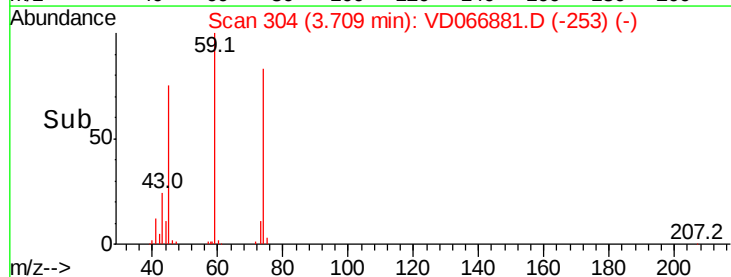
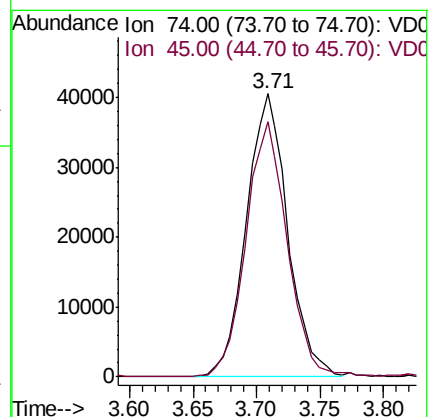
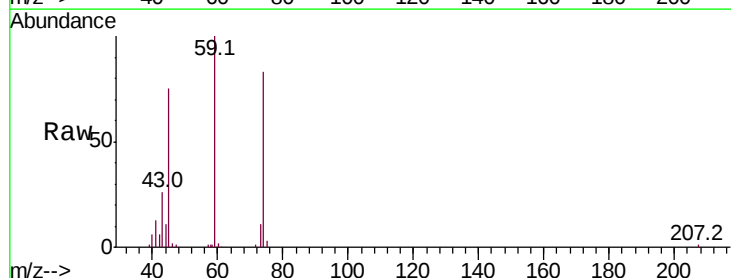
Acq: 25 Sep 2020 18:28

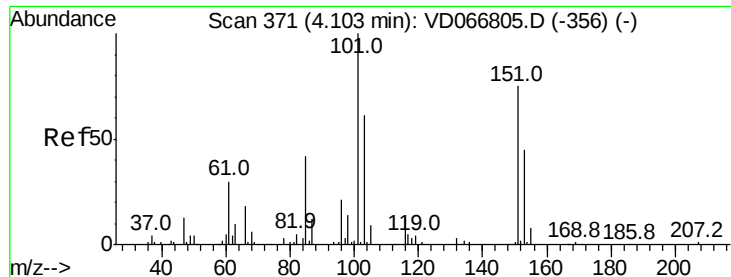
Tgt Ion: 74 Resp: 91897

Ion Ratio Lower Upper

74 100

45 90.2 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.305 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

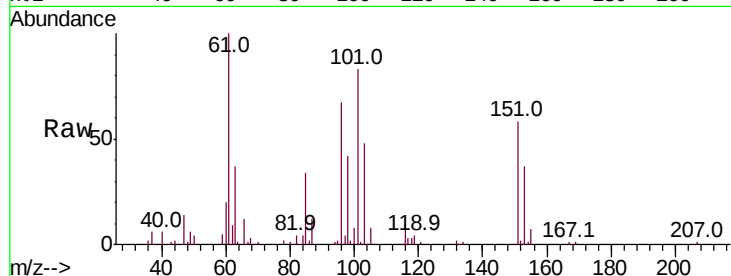
Tot Ion:101 Resp: 154315

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.2

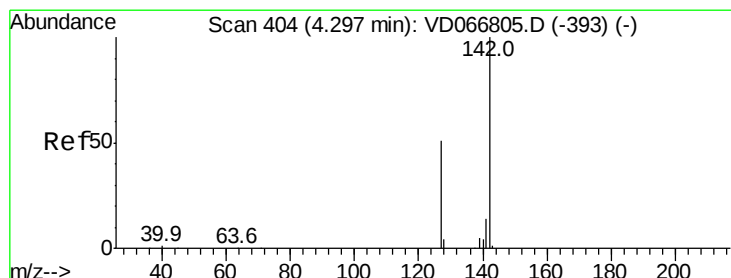
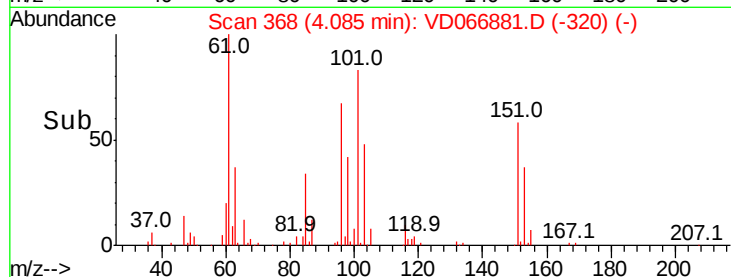
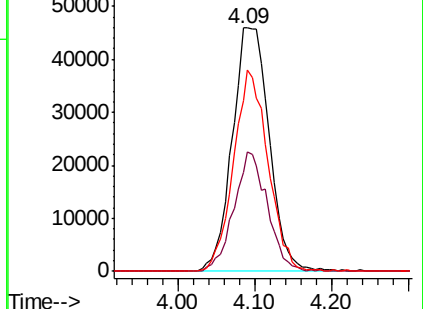
151 77.0 61.4 92.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.182 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

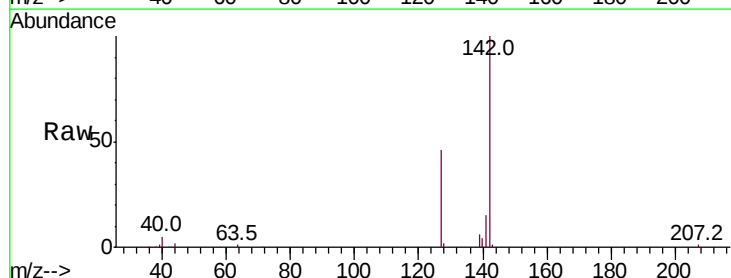
Tgt Ion:142 Resp: 174403

Ion Ratio Lower Upper

142 100

127 47.0 39.4 59.0

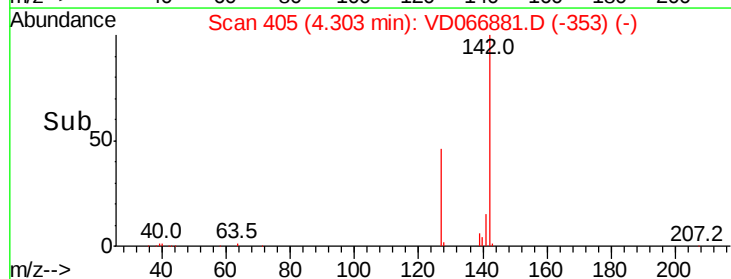
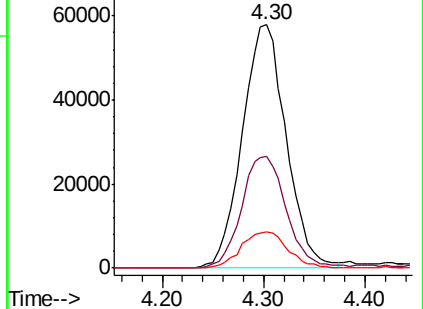
141 15.8 12.1 18.1

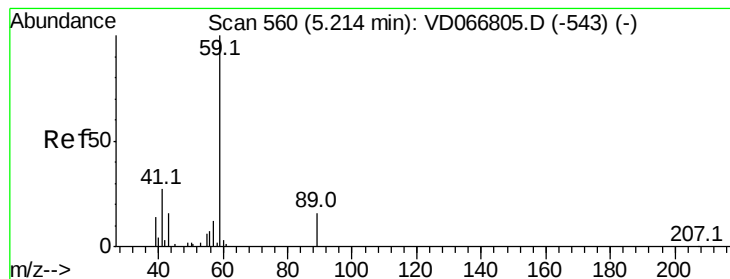


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 270.298 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

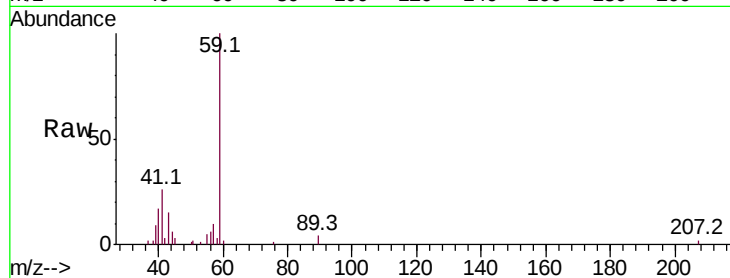
B-2(4-5)MSD

Tot Ion: 59 Resp: 53157

Ion Ratio Lower Upper

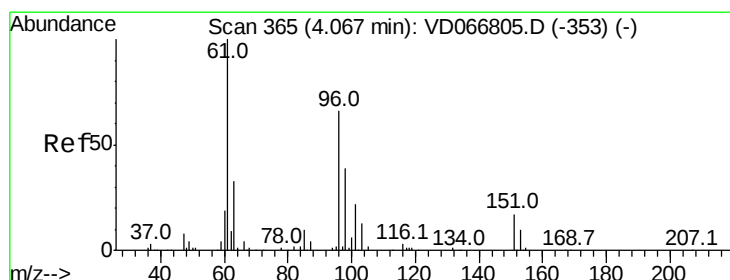
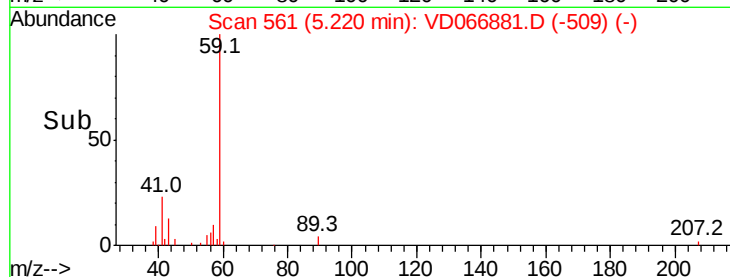
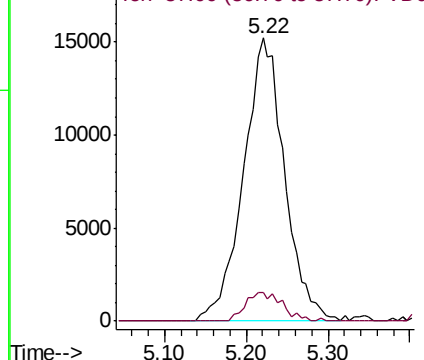
59 100

57 9.1 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 51.104 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

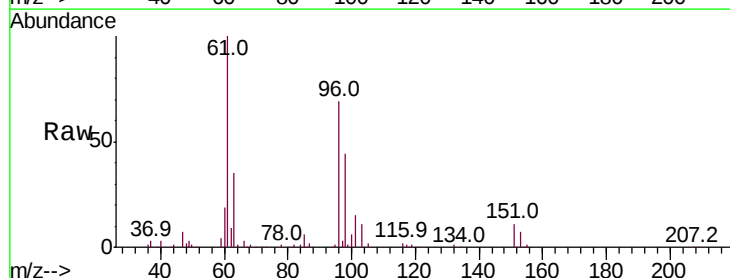
Tgt Ion: 96 Resp: 168866

Ion Ratio Lower Upper

96 100

61 145.7 120.8 181.2

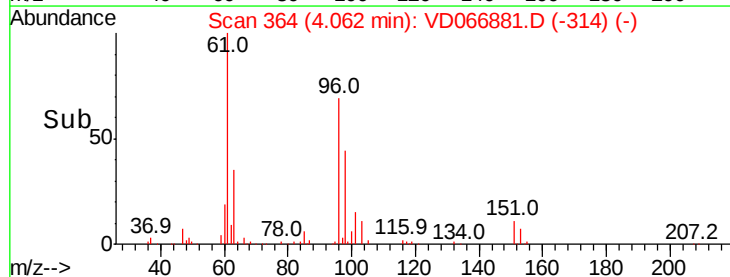
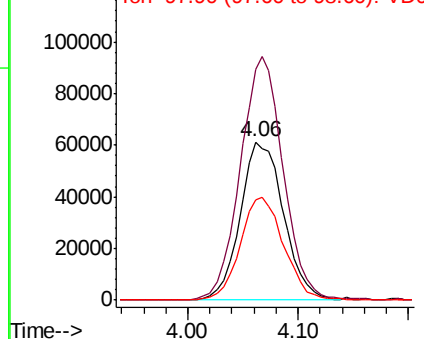
98 63.4 47.7 71.5

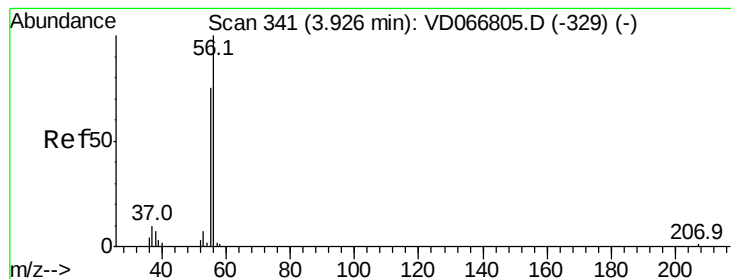


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 285.849 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

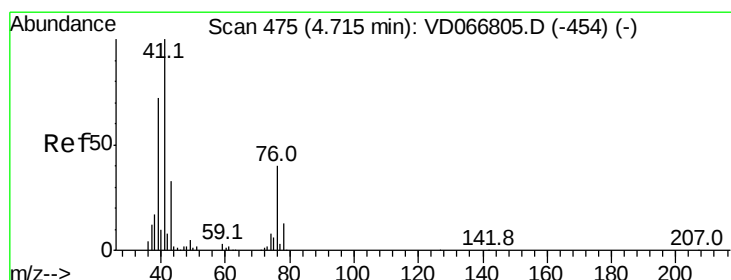
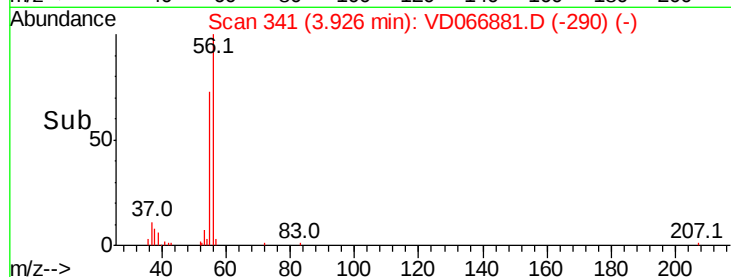
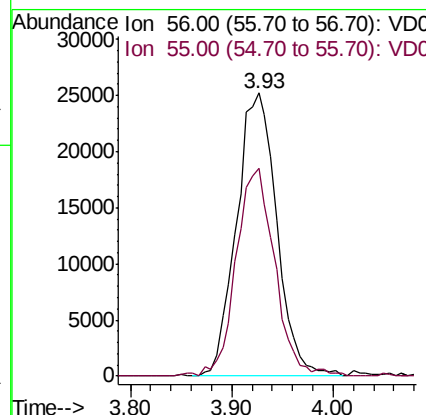
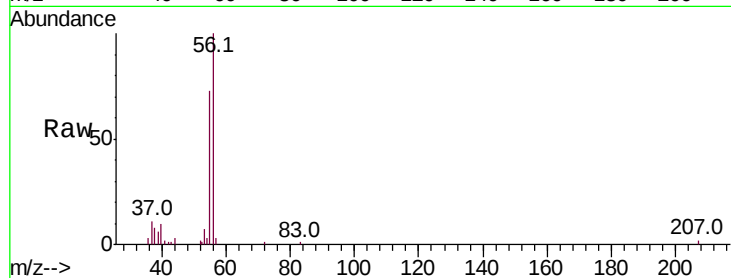
B-2(4-5)MSD

Tot Ion: 56 Resp: 69646

Ion Ratio Lower Upper

56 100

55 70.7 60.3 90.5



#14

Allyl chloride

Concen: 52.669 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

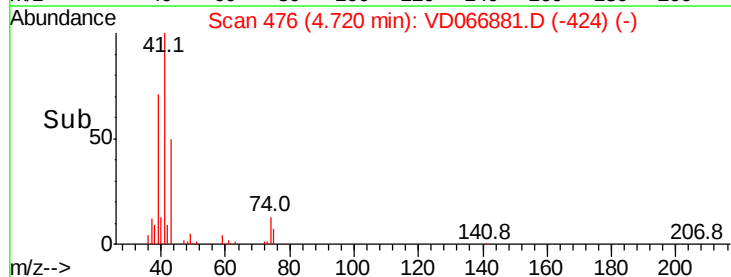
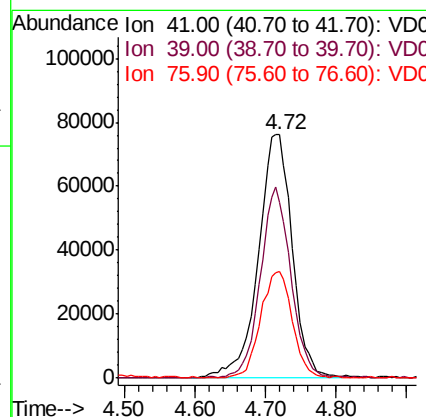
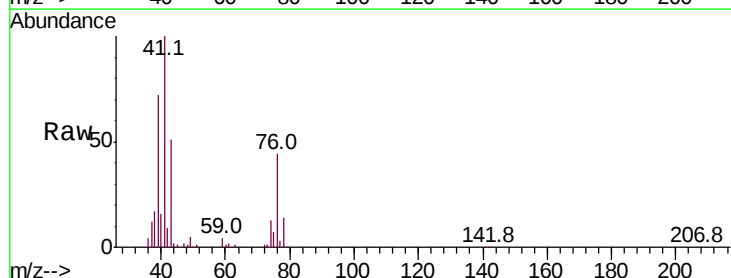
Tgt Ion: 41 Resp: 255557

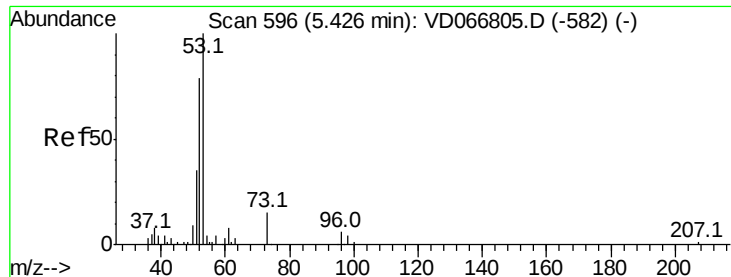
Ion Ratio Lower Upper

41 100

39 70.1 57.8 86.8

76 40.9 30.9 46.3





#15

Acrylonitrile

Concen: 274.872 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

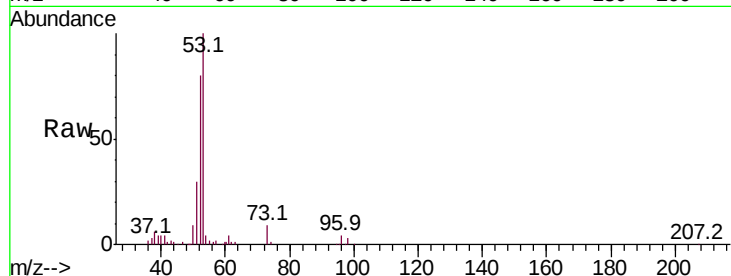
Tot Ion: 53 Resp: 194536

Ion Ratio Lower Upper

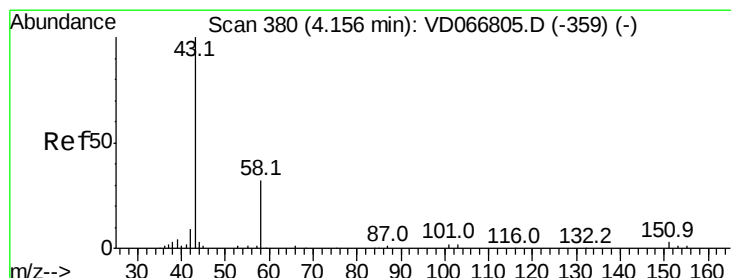
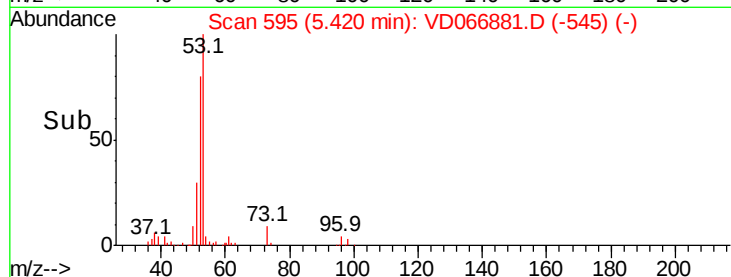
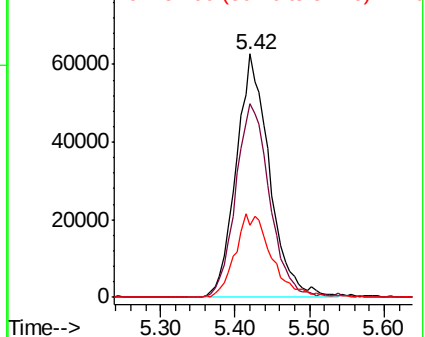
53 100

52 81.2 65.2 97.8

51 37.2 30.6 46.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 268.831 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066881.D

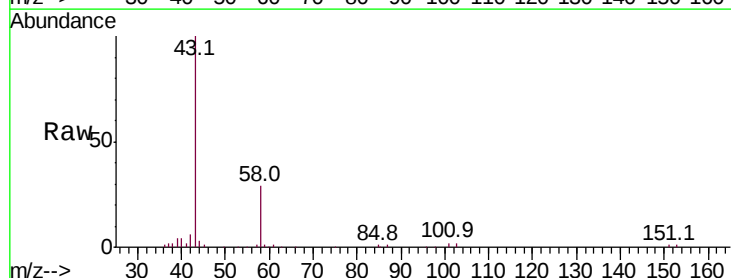
Acq: 25 Sep 2020 18:28

Tgt Ion: 43 Resp: 188353

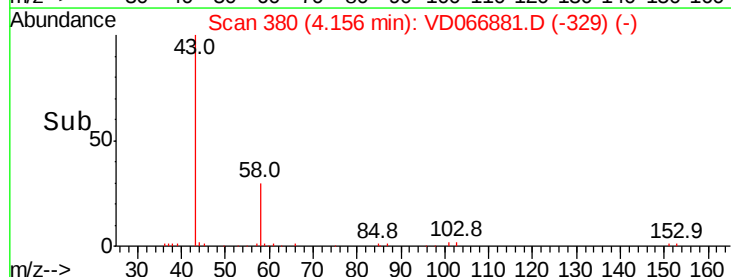
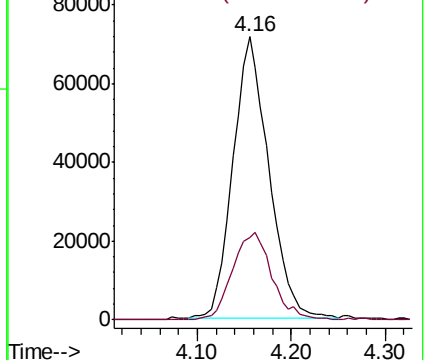
Ion Ratio Lower Upper

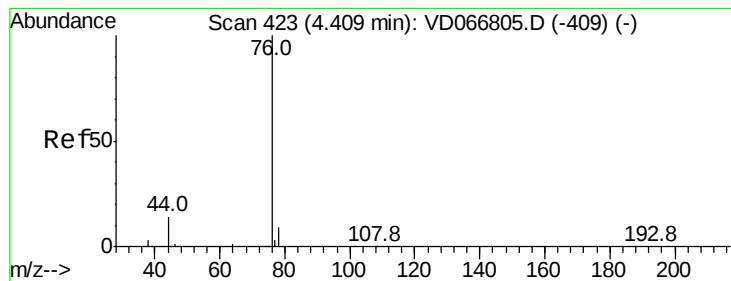
43 100

58 29.3 25.6 38.4



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





#17

Carbon Disulfide

Concen: 46.385 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

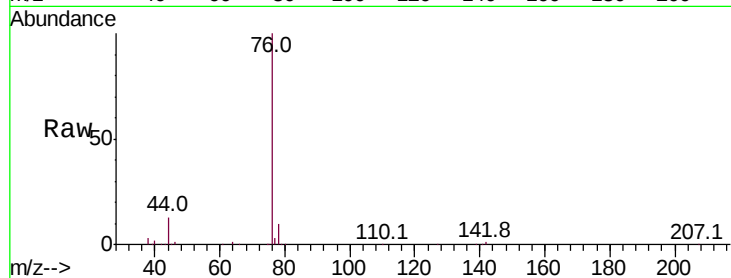
B-2(4-5)MSD

Tot Ion: 76 Resp: 468592

Ion Ratio Lower Upper

76 100

78 9.7 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

150000

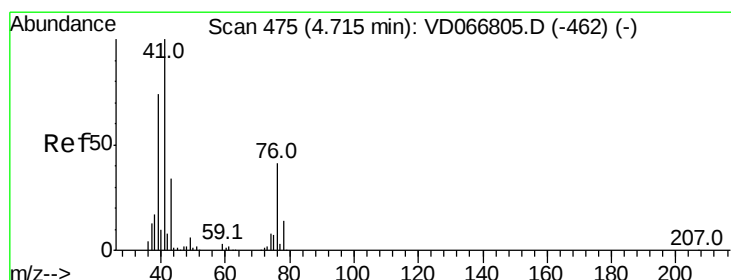
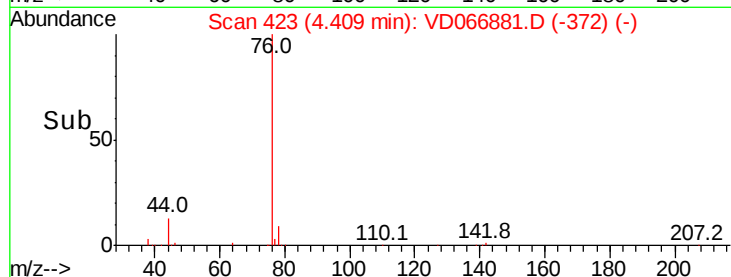
100000

50000

0

Time-->

4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 77.501 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066881.D

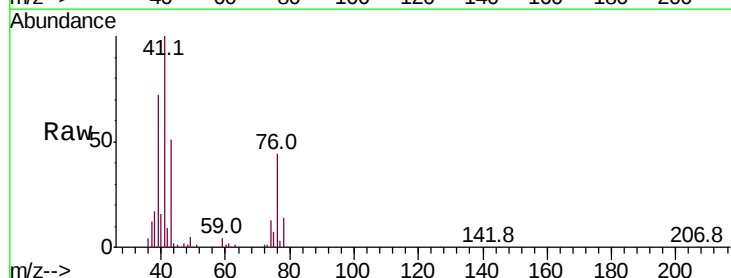
Acq: 25 Sep 2020 18:28

Tgt Ion: 43 Resp: 118036

Ion Ratio Lower Upper

43 100

74 26.5 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

30000

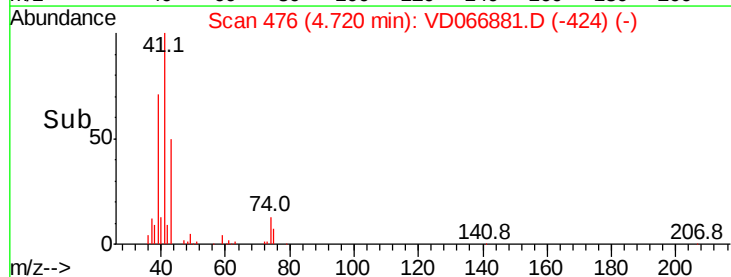
20000

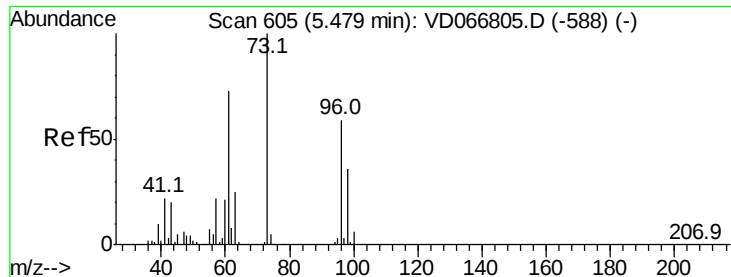
10000

0

Time-->

4.60 4.70 4.80





#19

Methyl tert-butyl Ether

Concen: 60.506 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

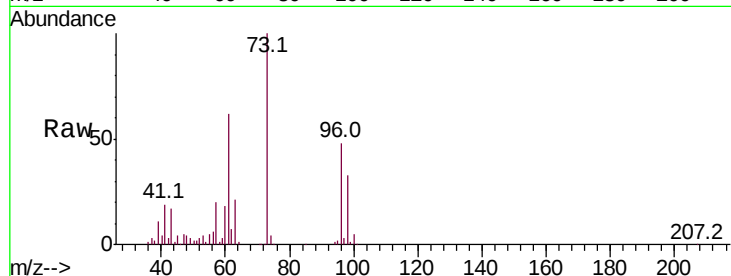
B-2(4-5)MSD

Tot Ion: 73 Resp: 434190

Ion Ratio Lower Upper

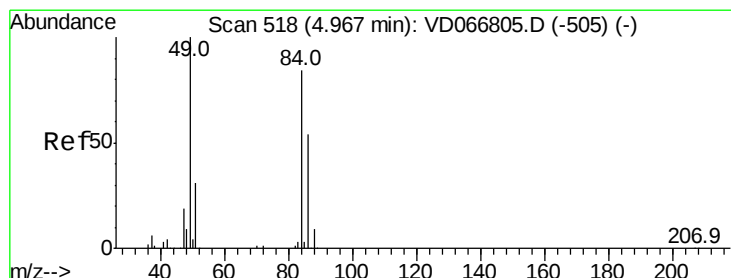
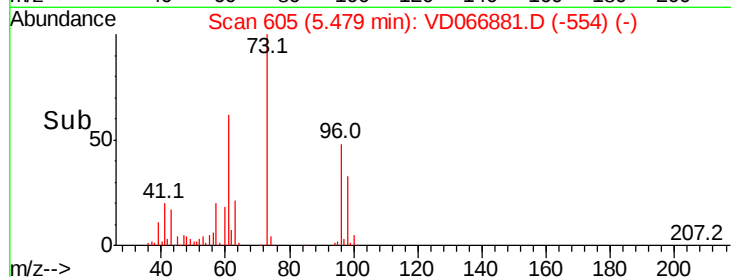
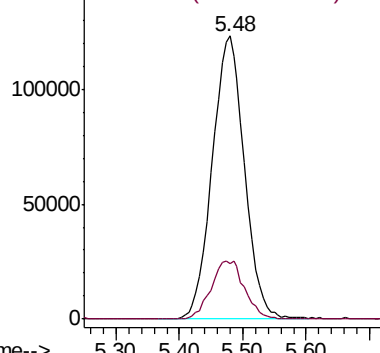
73 100

57 19.7 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 63.531 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Tgt Ion: 84 Resp: 234275

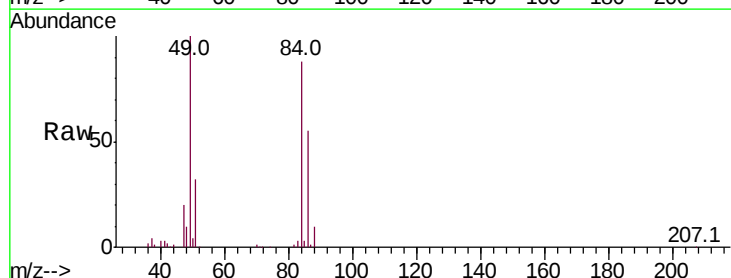
Ion Ratio Lower Upper

84 100

49 114.2 95.4 143.2

51 36.8 29.7 44.5

86 62.6 51.4 77.2

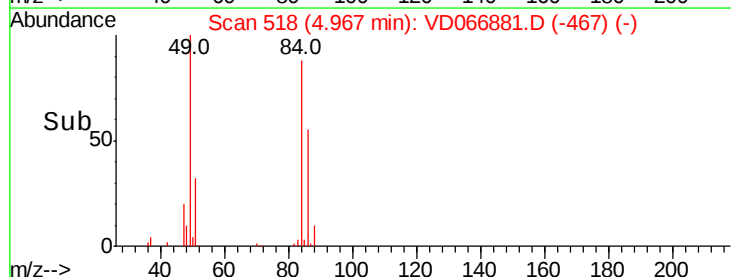
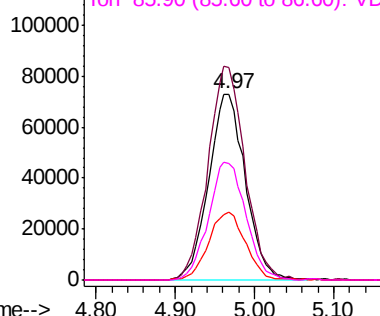


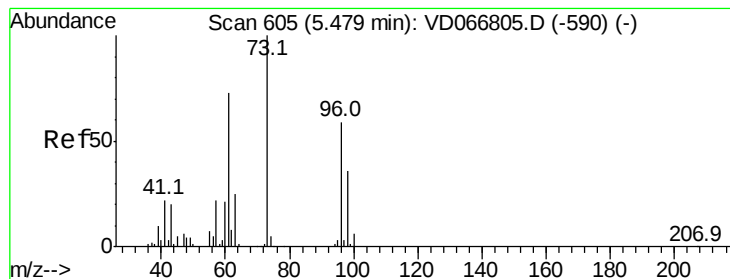
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 52.957 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

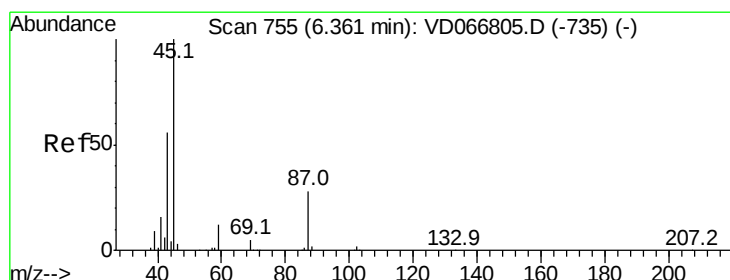
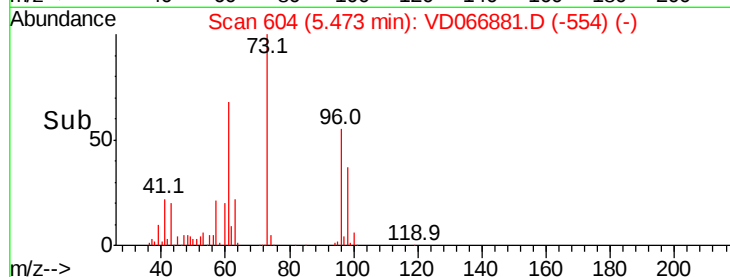
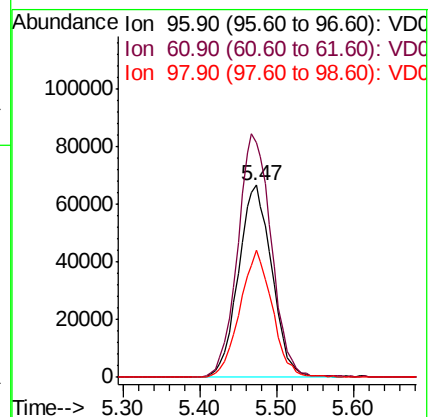
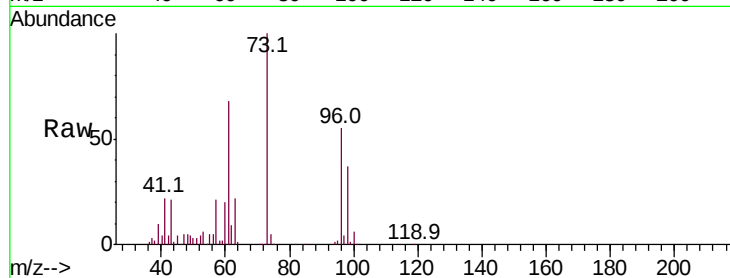
Tot Ion: 96 Resp: 202618

Ion Ratio Lower Upper

96 100

61 122.3 98.9 148.3

98 66.5 48.4 72.6



#22

Diisopropyl ether

Concen: 59.587 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Tgt Ion: 45 Resp: 594471

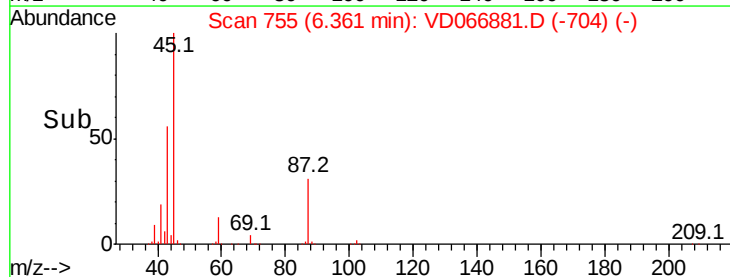
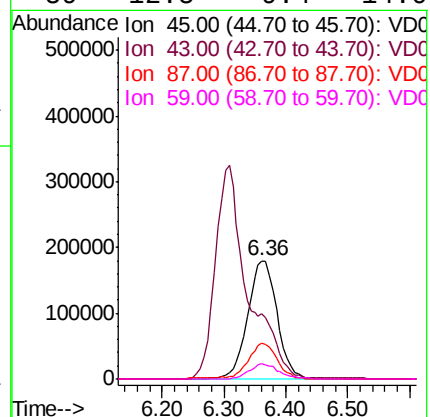
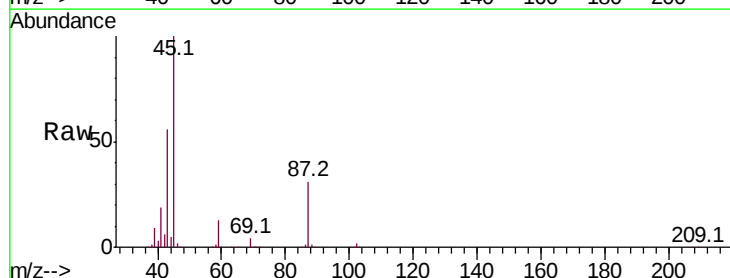
Ion Ratio Lower Upper

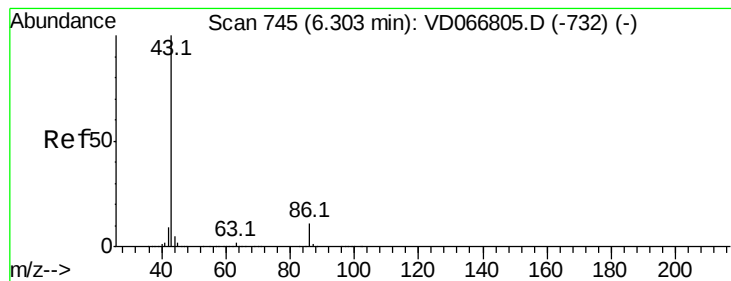
45 100

43 54.5 44.5 66.7

87 30.6 22.9 34.3

59 12.5 9.4 14.0





#23

Vinyl Acetate

Concen: 217.649 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

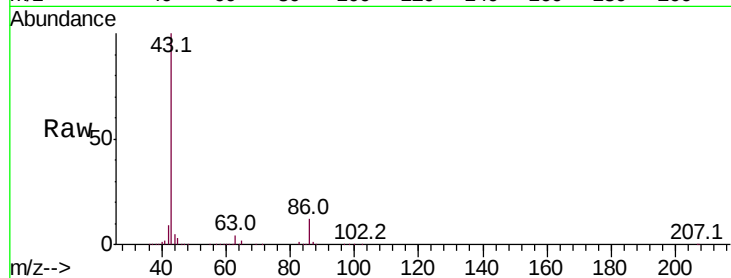
B-2(4-5)MSD

Tot Ion: 43 Resp: 1177008

Ion Ratio Lower Upper

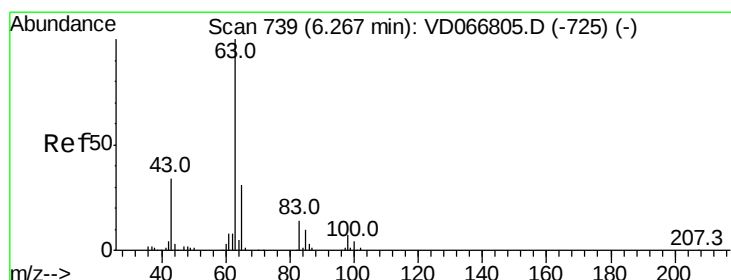
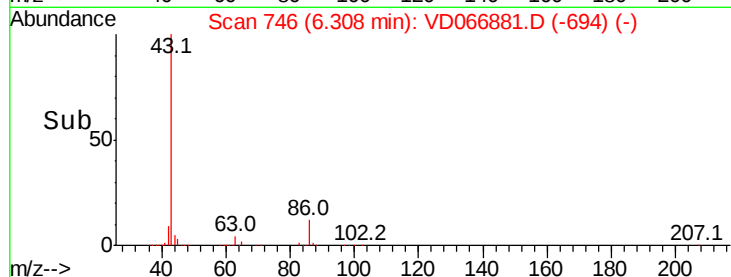
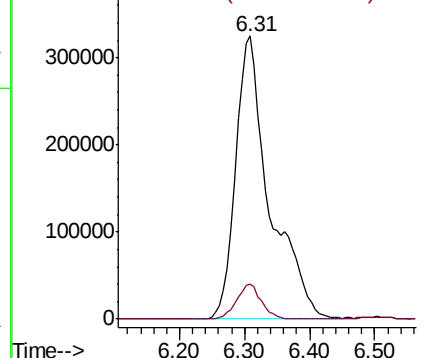
43 100

86 12.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.287 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

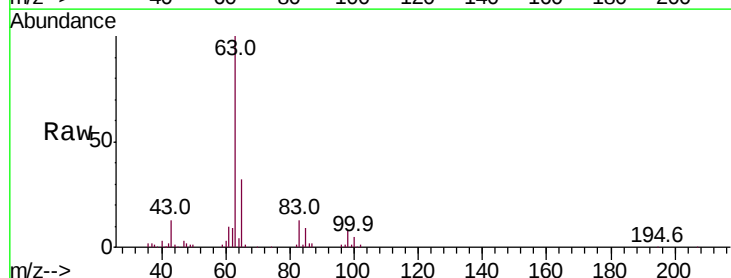
Tgt Ion: 63 Resp: 355643

Ion Ratio Lower Upper

63 100

98 8.2 3.7 11.1

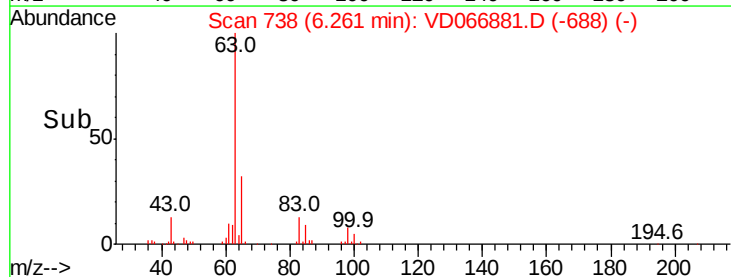
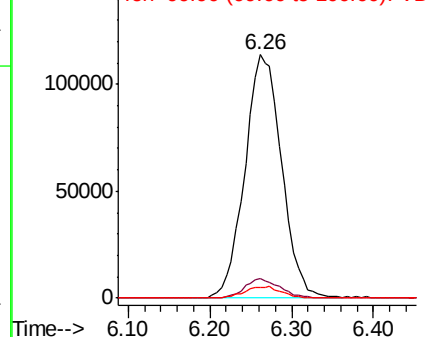
100 4.6 1.8 5.5

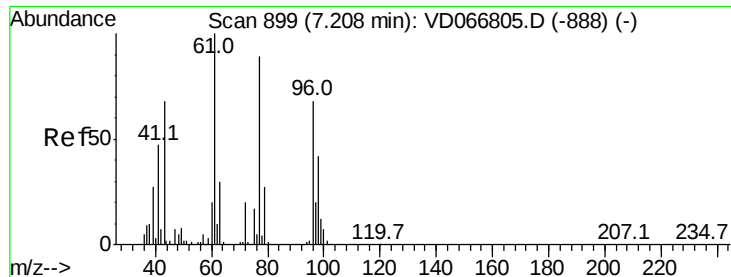


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 277.169 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

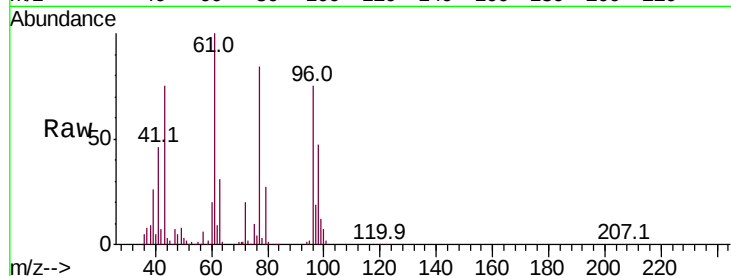
B-2(4-5)MSD

Tot Ion: 43 Resp: 233370

Ion Ratio Lower Upper

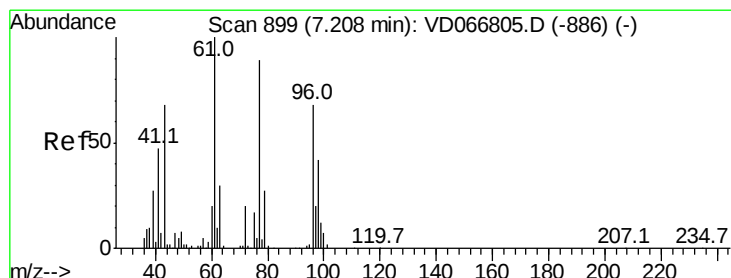
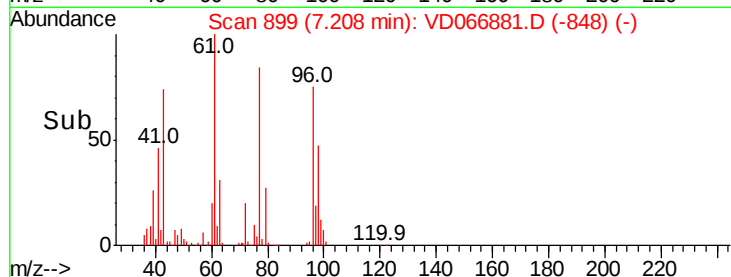
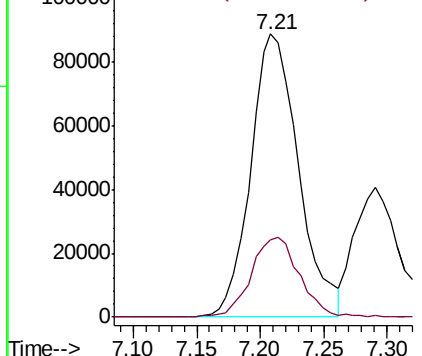
43 100

72 27.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.461 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066881.D

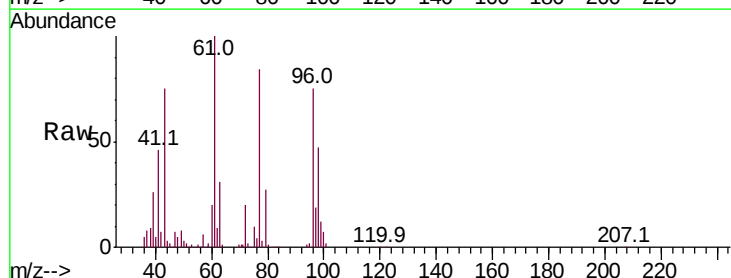
Acq: 25 Sep 2020 18:28

Tgt Ion: 77 Resp: 290329

Ion Ratio Lower Upper

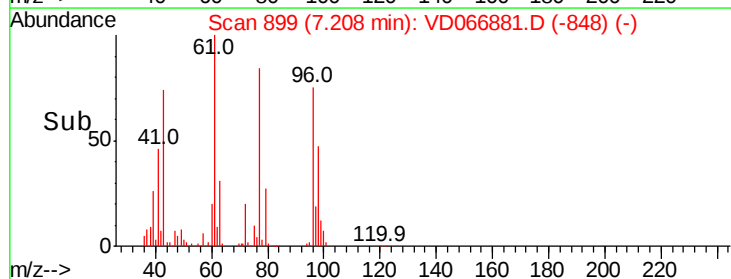
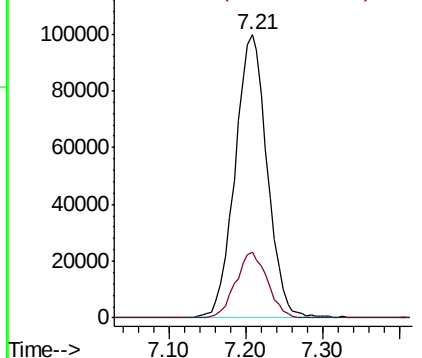
77 100

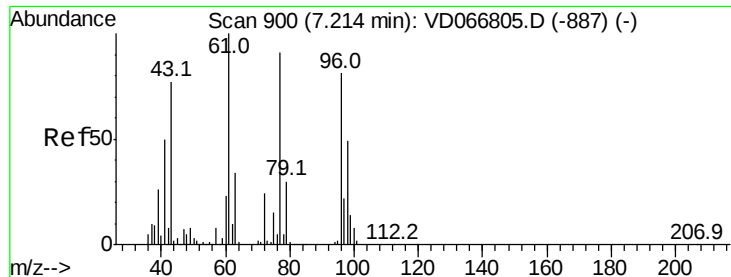
97 22.9 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



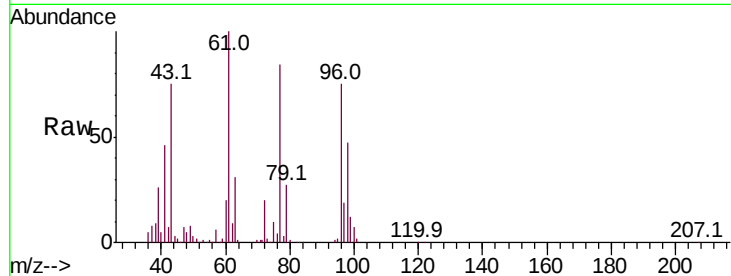


#27

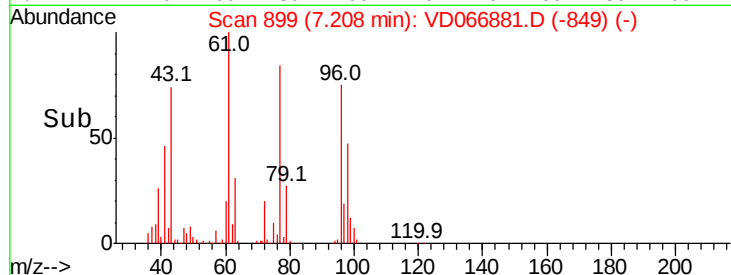
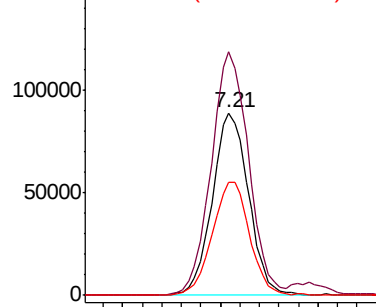
cis-1,2-Dichloroethene
Concen: 55.595 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion: 96 Resp: 231116
Ion Ratio Lower Upper
96 100
61 137.0 0.0 283.8
98 63.8 0.0 128.4



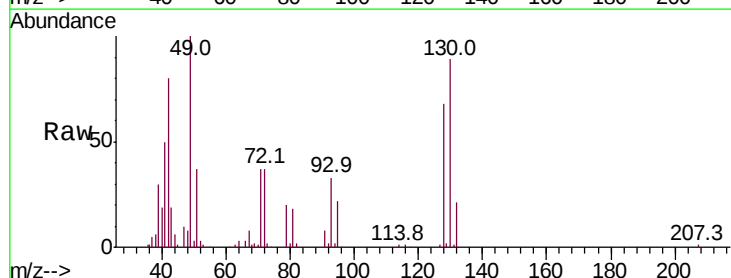
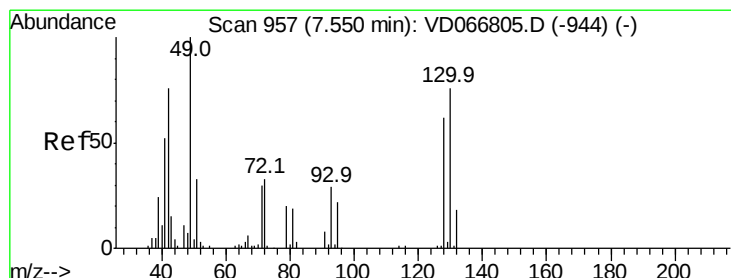
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



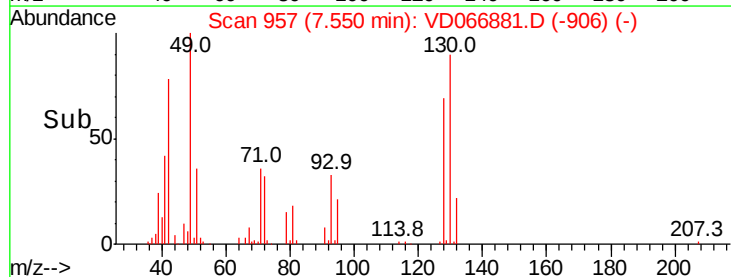
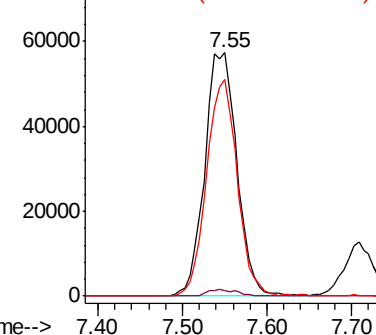
#28

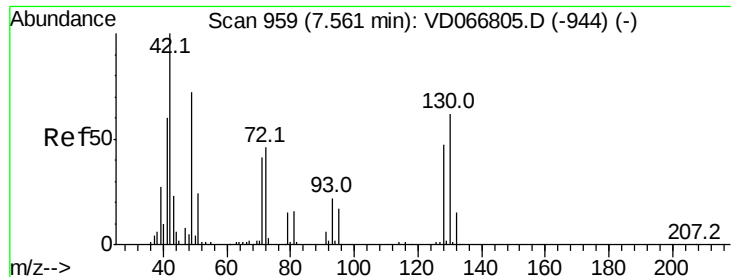
Bromochloromethane
Concen: 54.910 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion: 49 Resp: 151400
Ion Ratio Lower Upper
49 100
129 2.3 0.0 2.0#
130 84.6 65.9 98.9



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





#29

Tetrahydrofuran

Concen: 278.591 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

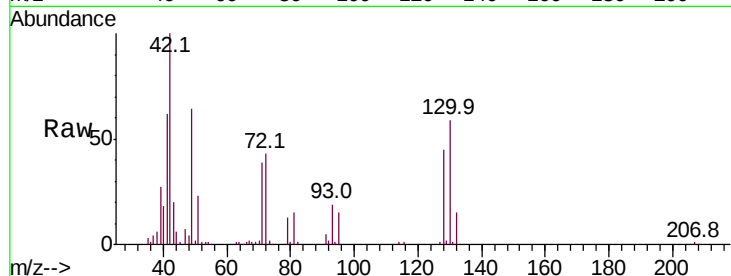
Tot Ion: 42 Resp: 150299

Ion Ratio Lower Upper

42 100

72 46.5 36.2 54.4

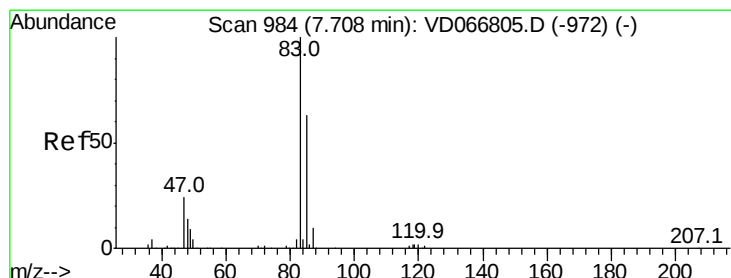
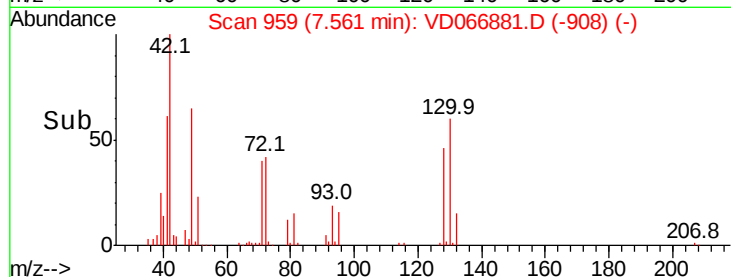
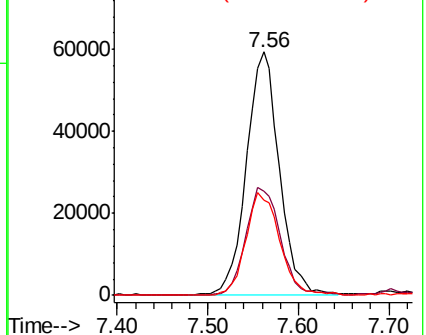
71 43.7 32.4 48.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 53.221 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD066881.D

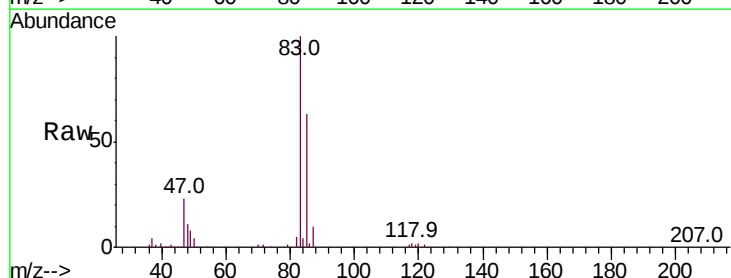
Acq: 25 Sep 2020 18:28

Tgt Ion: 83 Resp: 382889

Ion Ratio Lower Upper

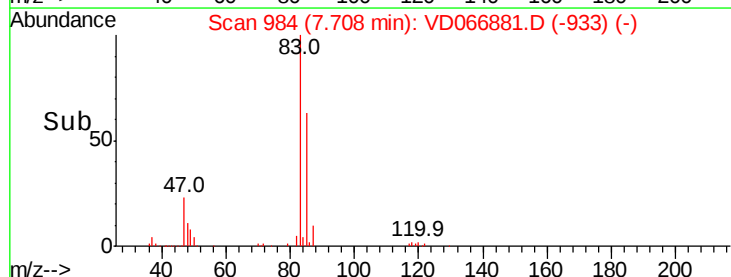
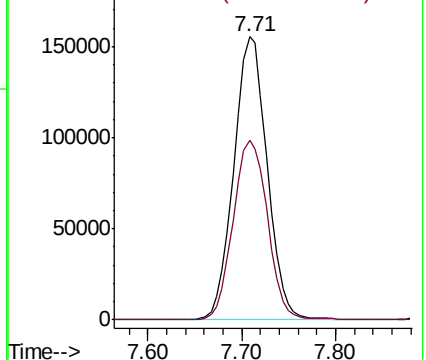
83 100

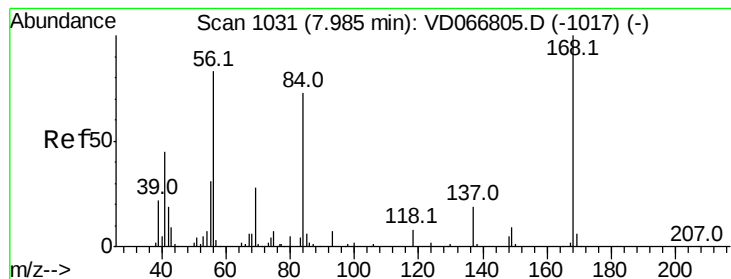
85 63.3 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 30.617 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleID :

B-2(4-5)MSD

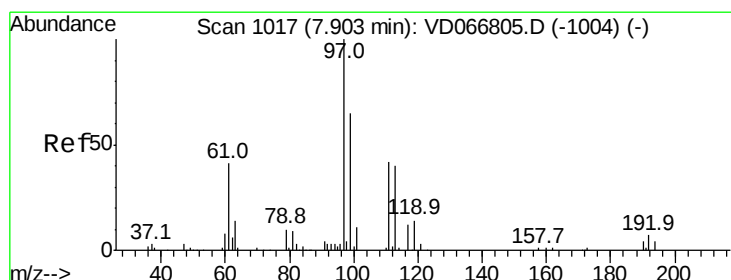
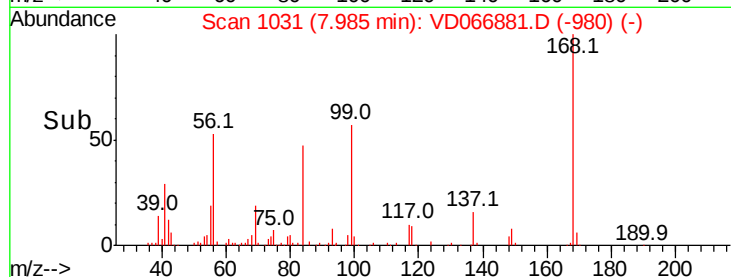
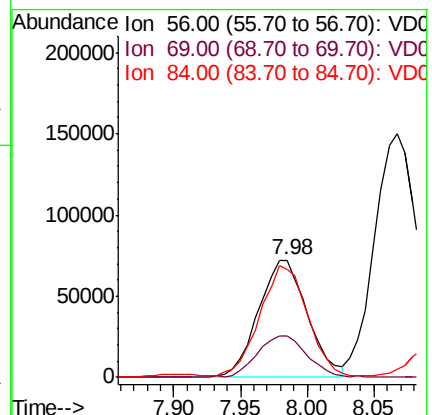
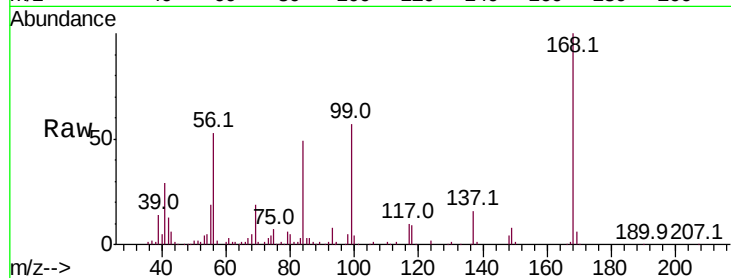
Tot Ion: 56 Resp: 183868

Ion Ratio Lower Upper

56 100

69 35.6 27.0 40.4

84 90.5 70.2 105.4



#32

1,1,1-Trichloroethane

Concen: 49.736 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

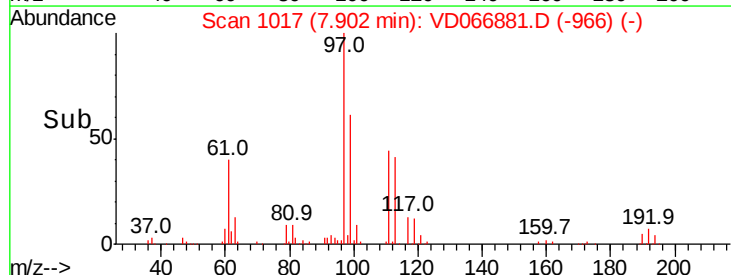
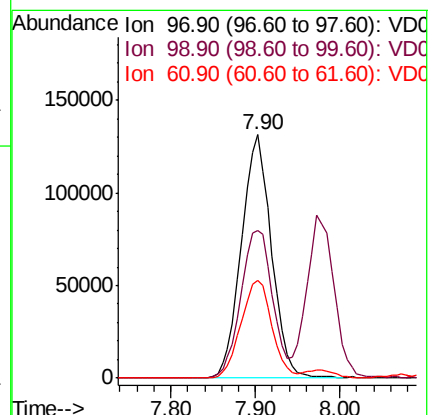
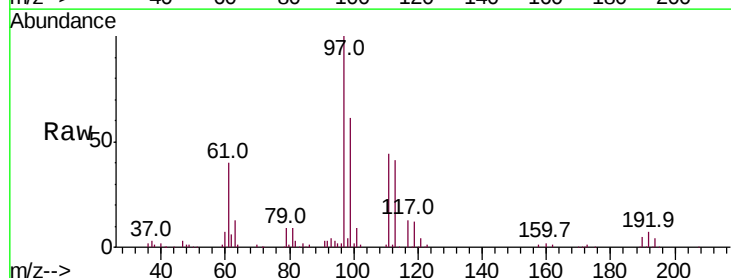
Tgt Ion: 97 Resp: 323685

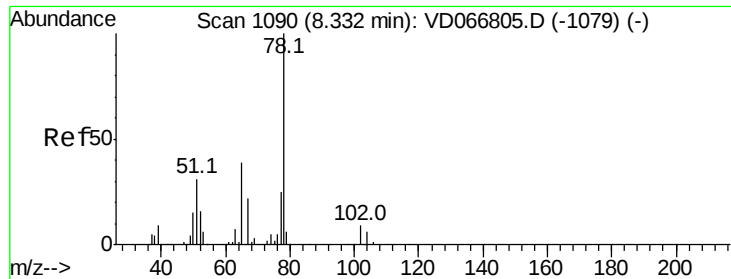
Ion Ratio Lower Upper

97 100

99 64.1 51.5 77.3

61 41.4 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 50.903 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

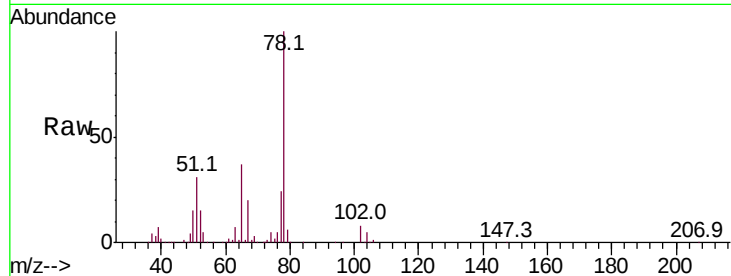
B-2(4-5)MSD

Tot Ion: 65 Resp: 168123

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

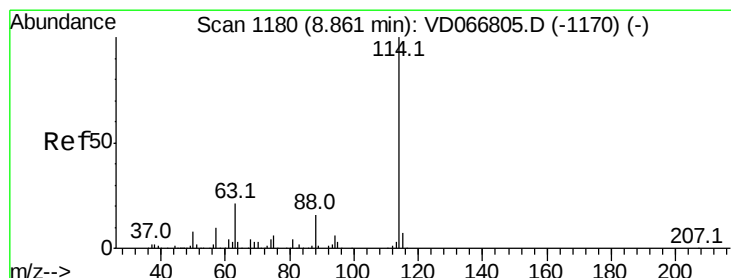
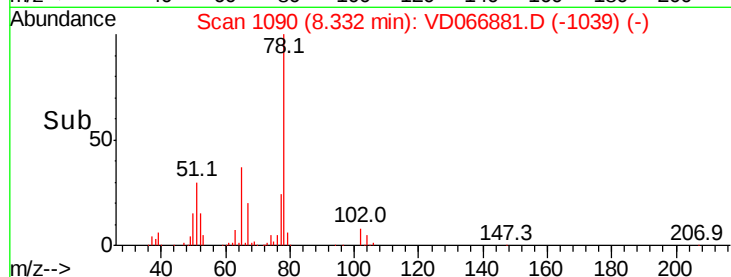
60000

40000

20000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

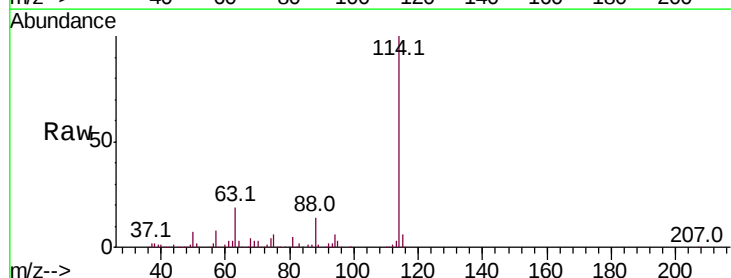
Tgt Ion: 114 Resp: 572889

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

88 14.3 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

400000

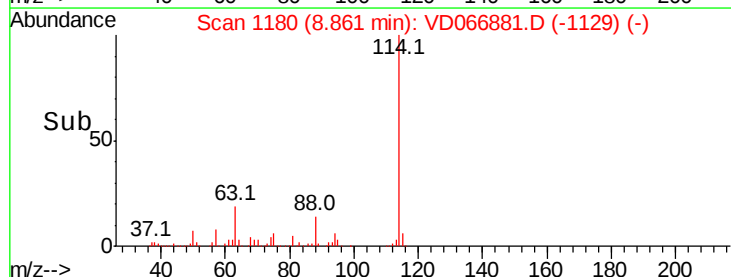
300000

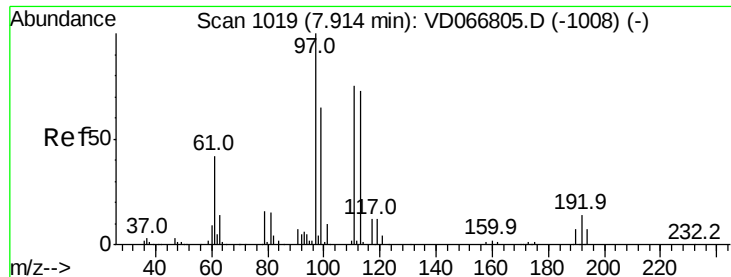
200000

100000

0

Time--> 8.80 8.85 8.90 9.00

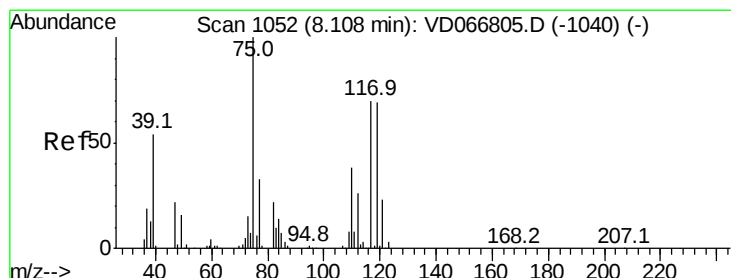
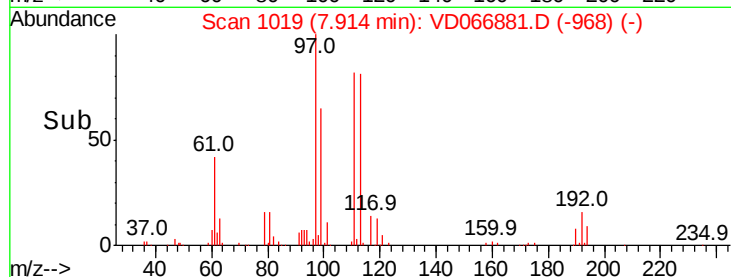
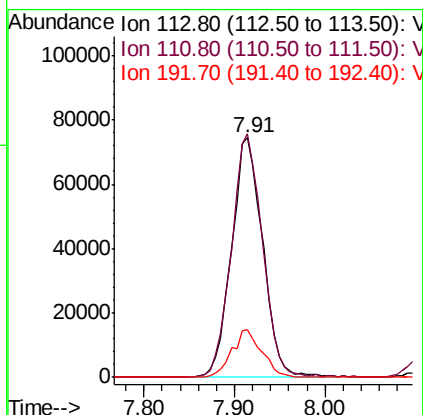
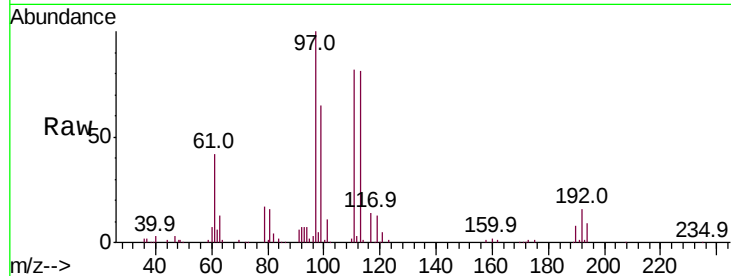




#35
 Dibromofluoromethane
 Concen: 48.915 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

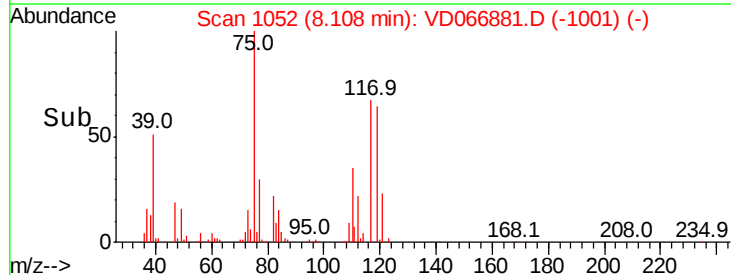
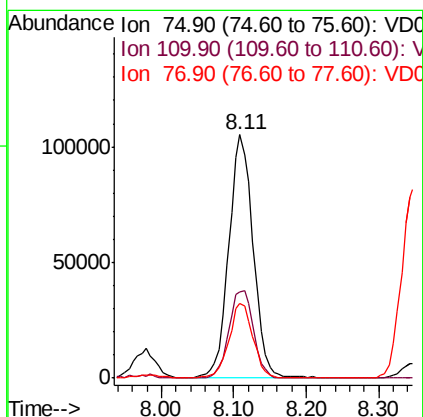
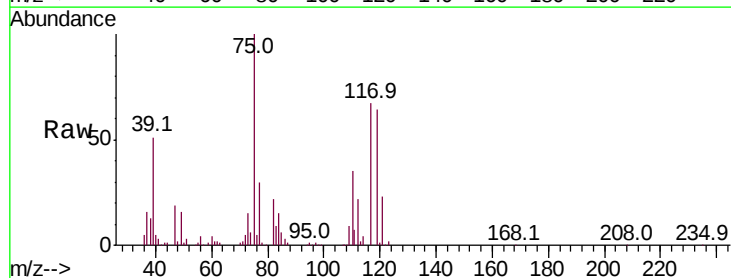
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

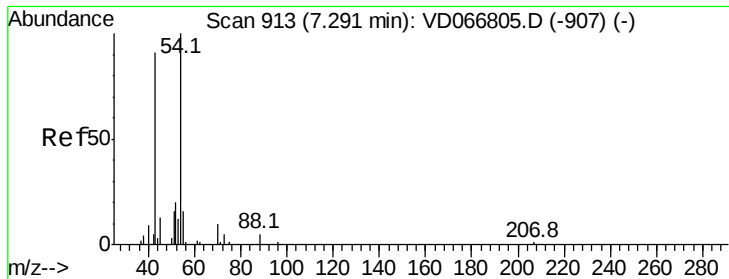
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	19.2	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 43.259 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.8
77	30.3	25.0	37.6

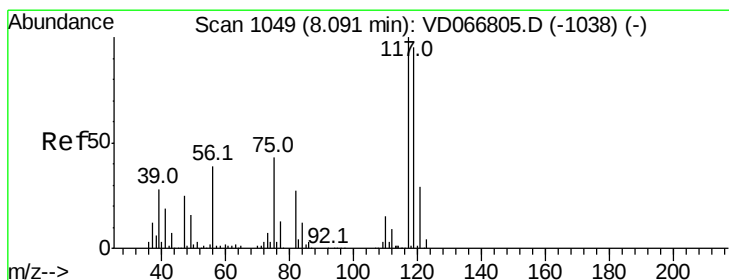
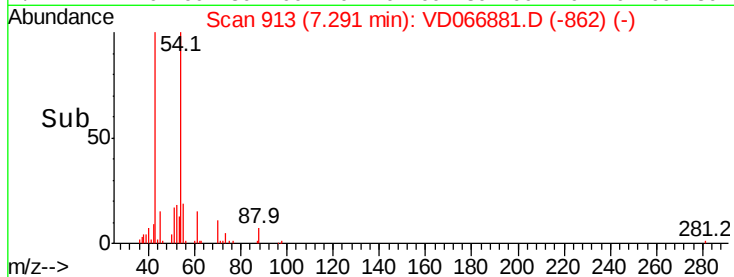
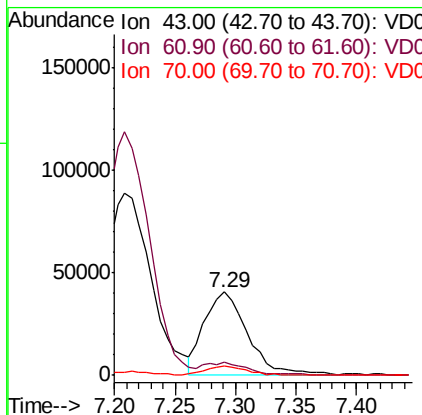
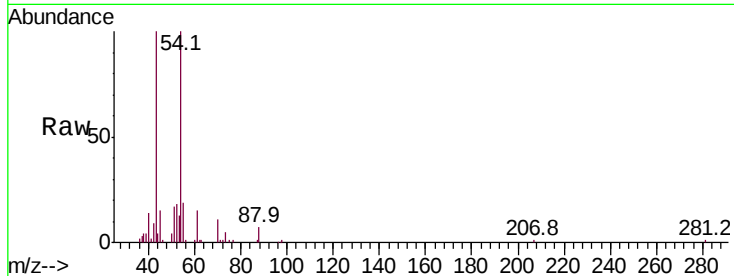




#37
Ethyl Acetate
Concen: 48.593 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

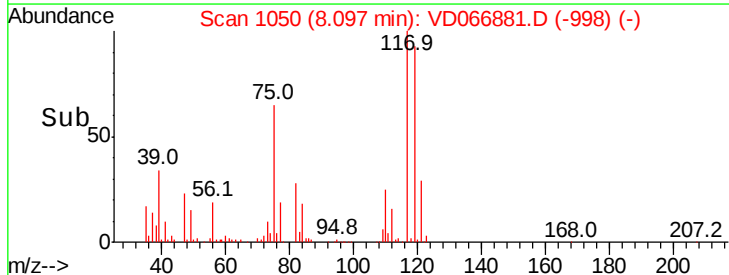
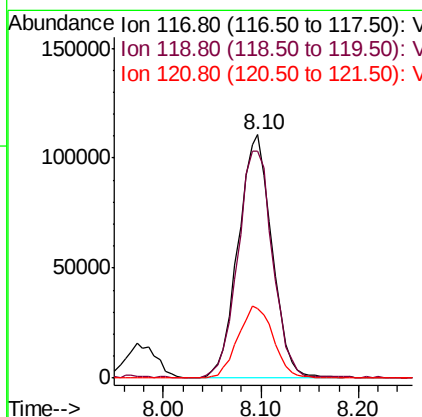
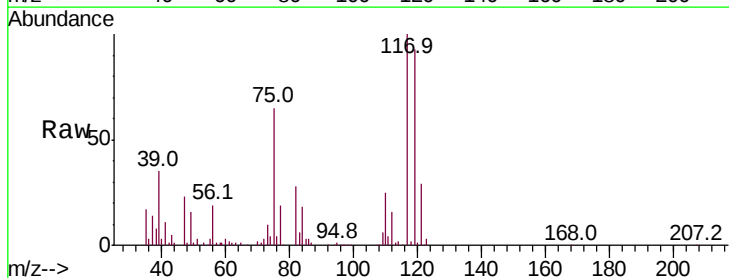
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

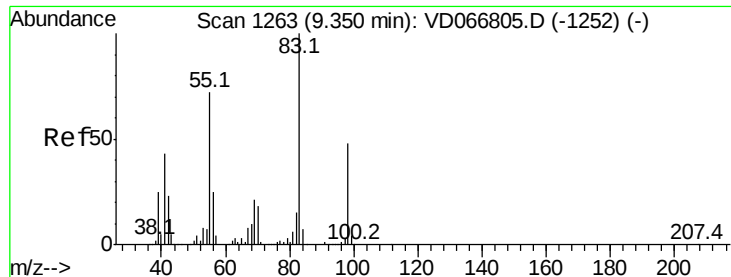
Tot Ion: 43 Resp: 99842
Ion Ratio Lower Upper
43 100
61 13.1 9.8 14.8
70 11.2 8.5 12.7



#38
Carbon Tetrachloride
Concen: 42.579 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion: 117 Resp: 264574
Ion Ratio Lower Upper
117 100
119 93.5 75.8 113.8
121 28.6 23.4 35.0

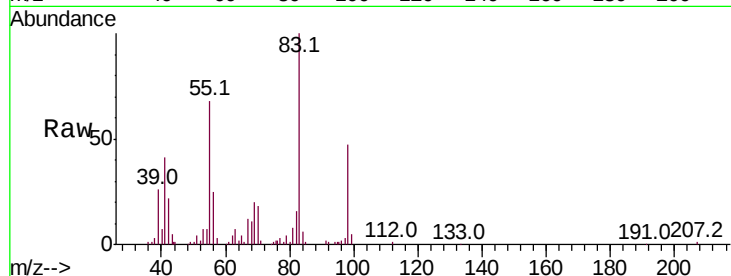




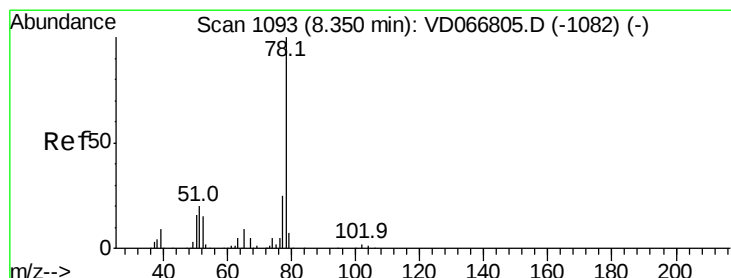
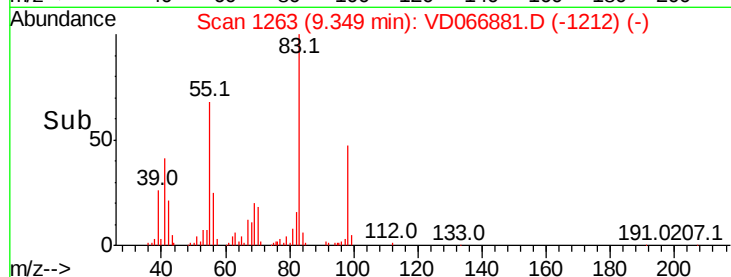
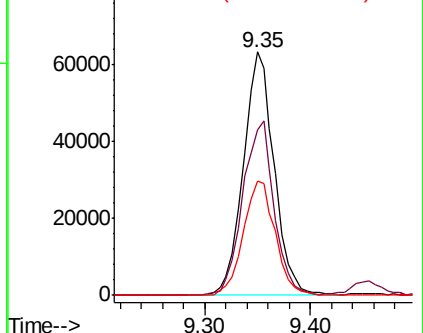
#39
Methvlcvclohexane
Concen: 19.596 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion: 83 Resp: 127876
Ion Ratio Lower Upper
83 100
55 67.7 57.7 86.5
98 46.9 38.4 57.6

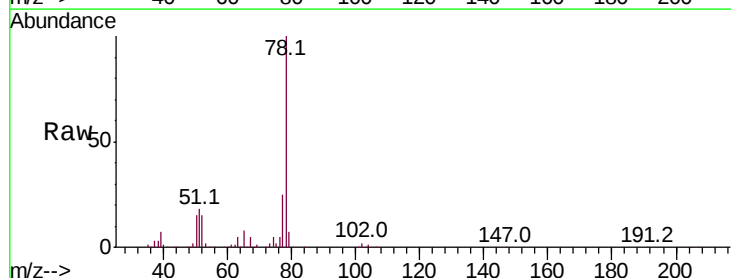


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

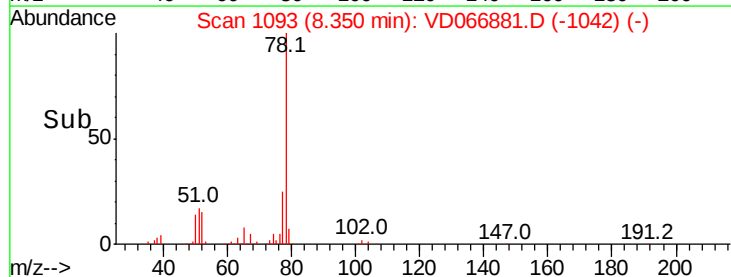
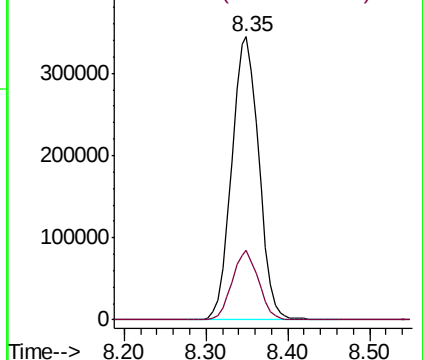


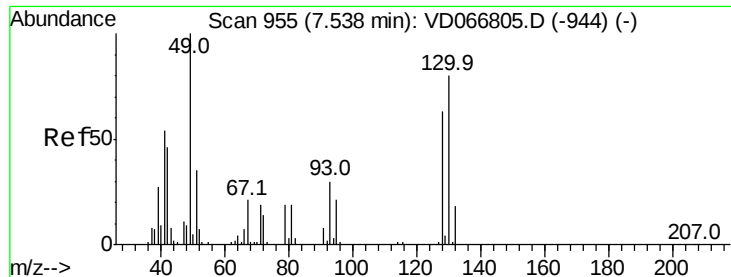
#40
Benzene
Concen: 50.243 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion: 78 Resp: 795840
Ion Ratio Lower Upper
78 100
77 24.6 19.9 29.9



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

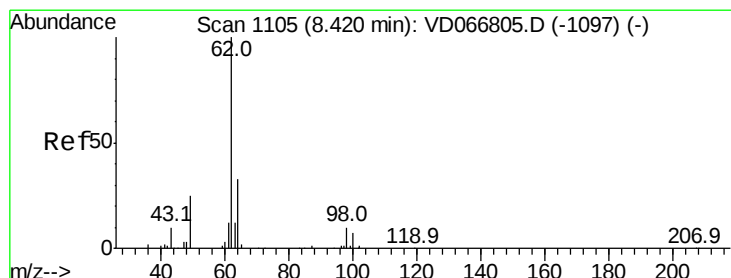
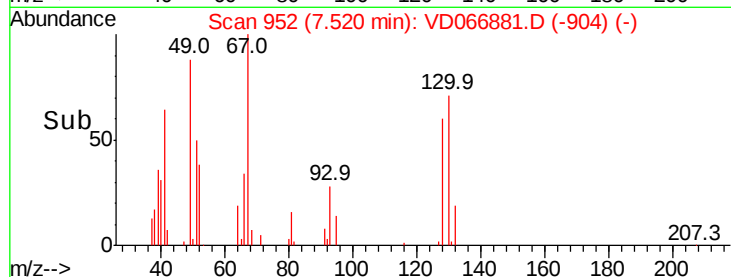
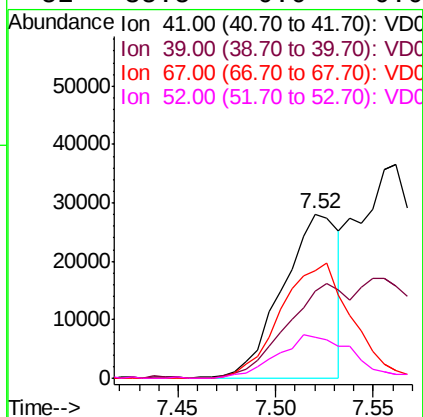
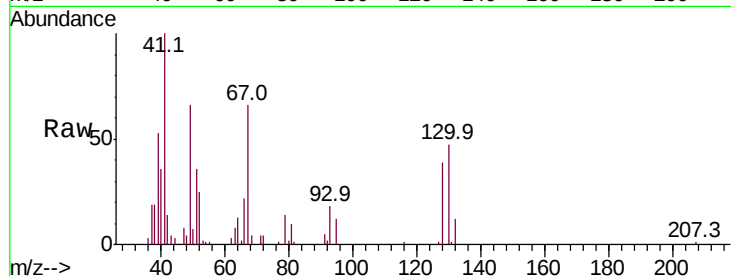




#41
Methacrylonitrile
Concen: 44.516 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

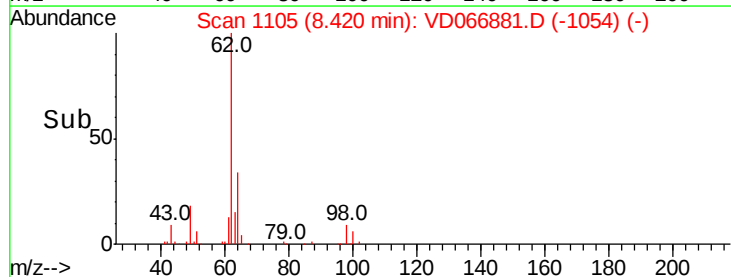
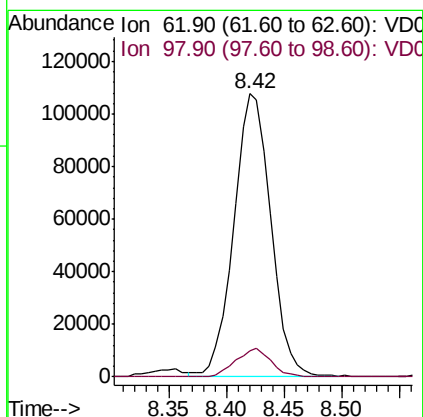
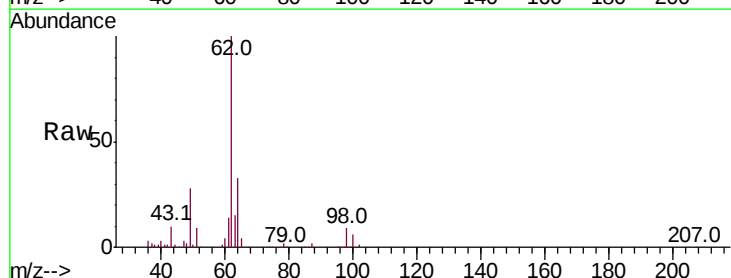
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

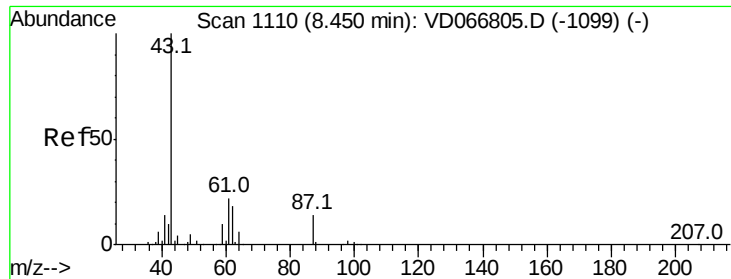
Tot Ion: 41 Resp: 56247
Ion Ratio Lower Upper
41 100
39 63.3 0.0 0.0#
67 88.4 0.0 0.0#
52 35.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 50.962 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion: 62 Resp: 238639
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.8





#43

Isopropyl Acetate

Concen: 49.687 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

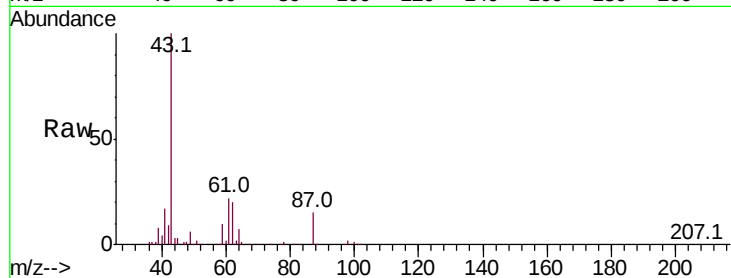
Tot Ion: 43 Resp: 196824

Ion Ratio Lower Upper

43 100

61 35.0 26.2 39.4

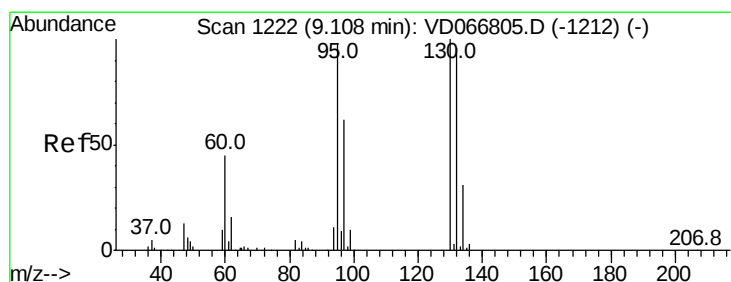
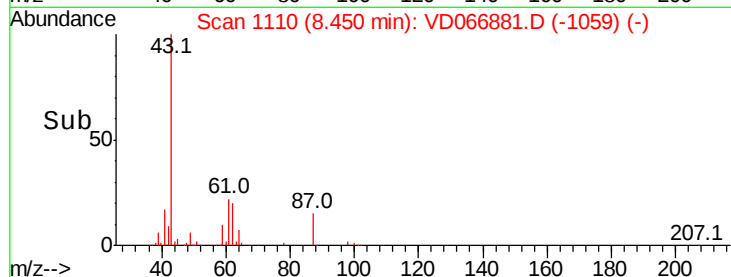
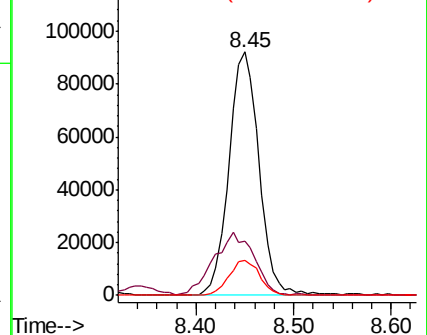
87 14.7 11.5 17.3



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: 44.307 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066881.D

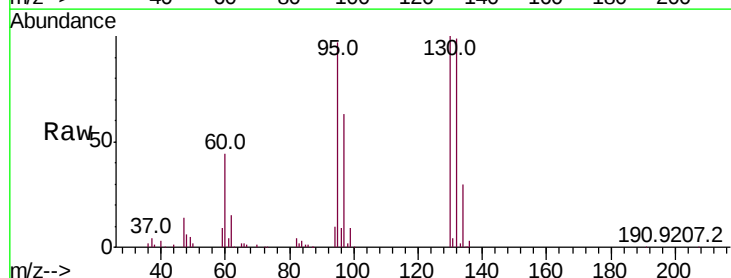
Acq: 25 Sep 2020 18:28

Tgt Ion:130 Resp: 200042

Ion Ratio Lower Upper

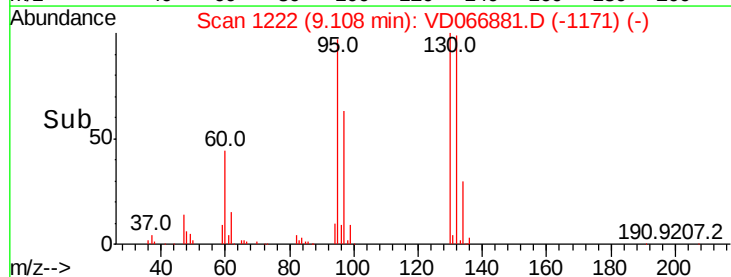
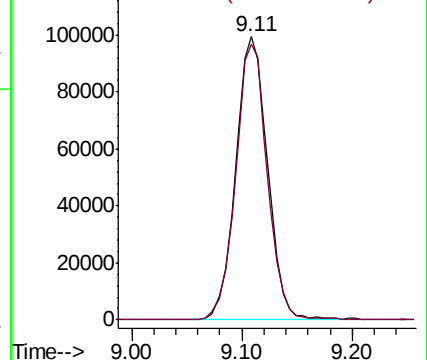
130 100

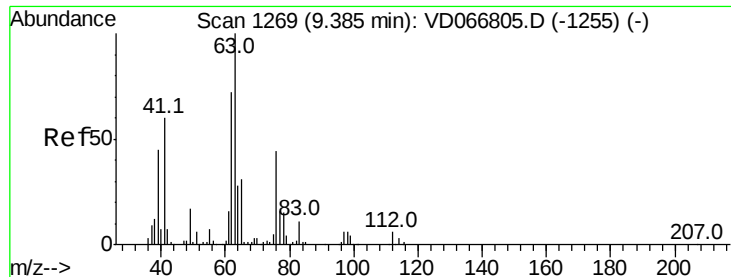
95 97.5 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.029 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

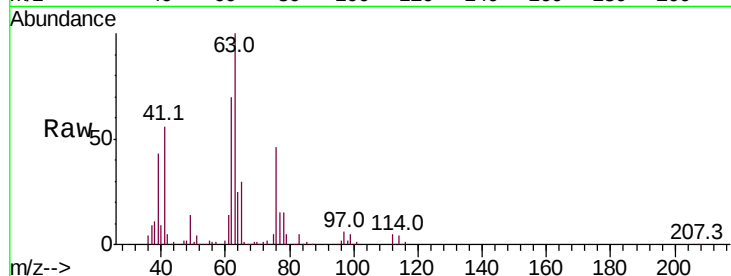
B-2(4-5)MSD

Tot Ion: 63 Resp: 199381

Ion Ratio Lower Upper

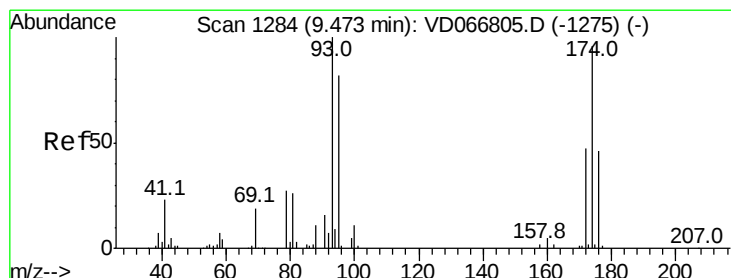
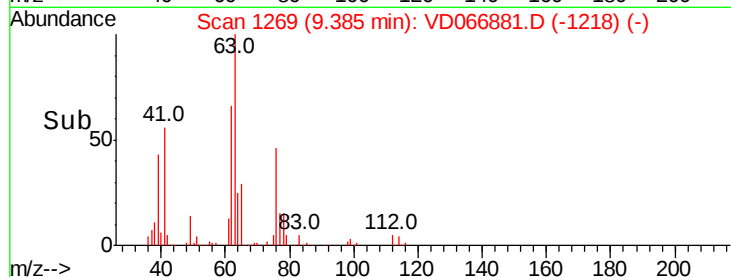
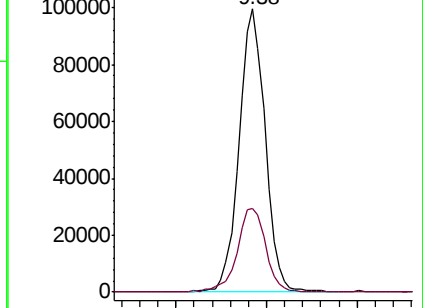
63 100

65 29.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.199 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

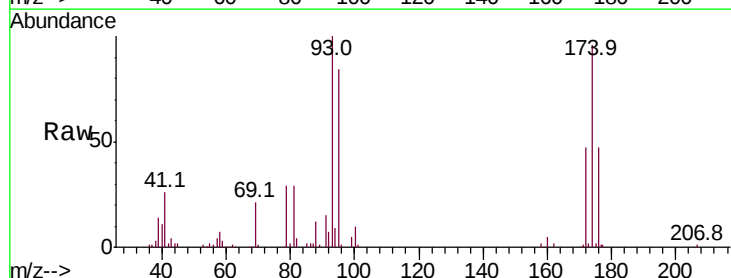
Tgt Ion: 93 Resp: 110862

Ion Ratio Lower Upper

93 100

95 83.1 65.3 97.9

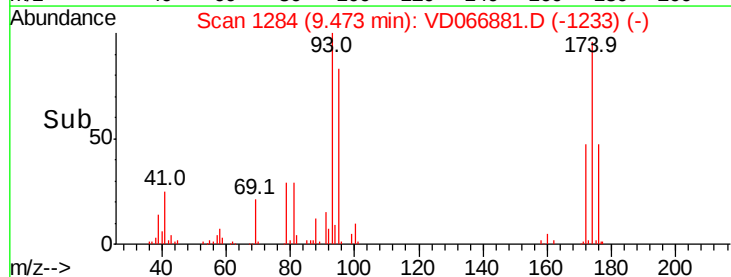
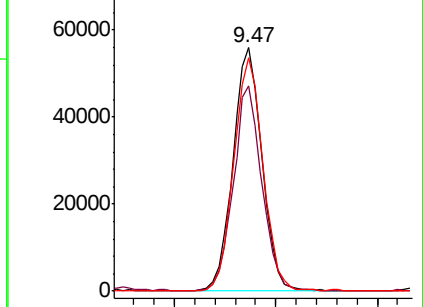
174 96.4 75.4 113.2

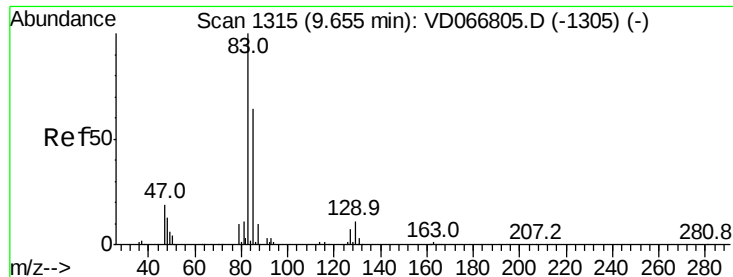


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.728 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

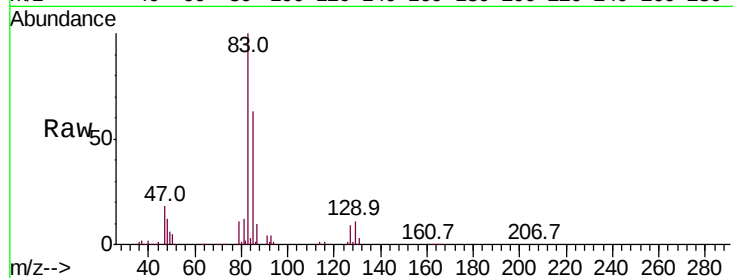
Tot Ion: 83 Resp: 295072

Ion Ratio Lower Upper

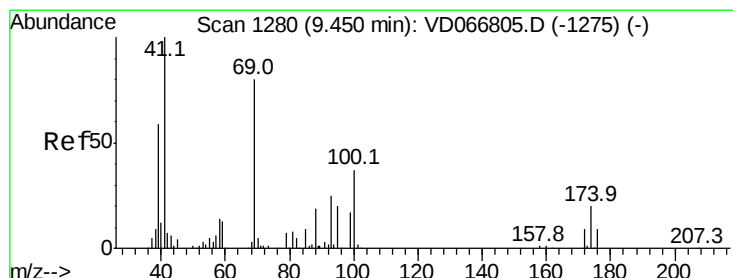
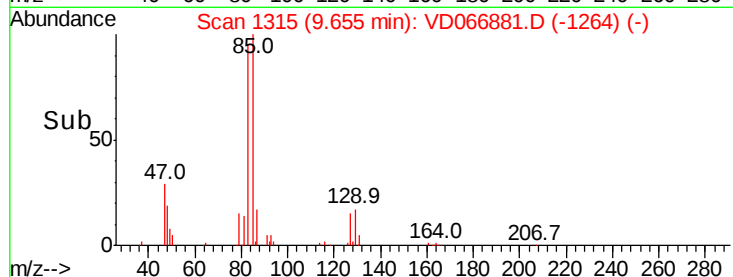
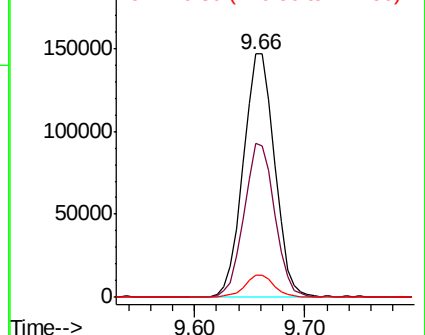
83 100

85 63.1 50.9 76.3

127 9.3 5.9 8.9#



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



#48

Methyl methacrylate

Concen: 56.134 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

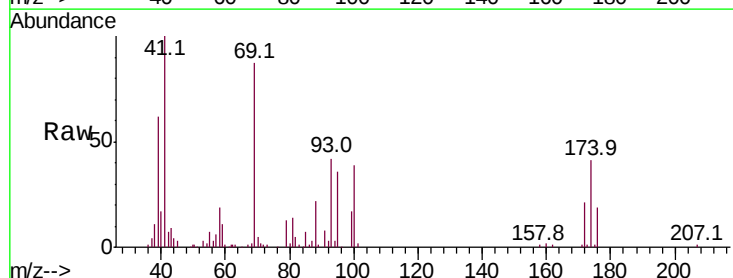
Tgt Ion: 41 Resp: 109634

Ion Ratio Lower Upper

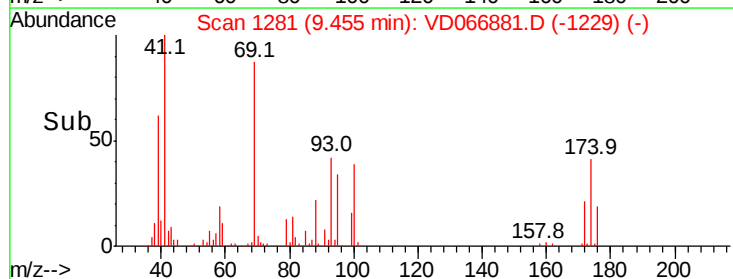
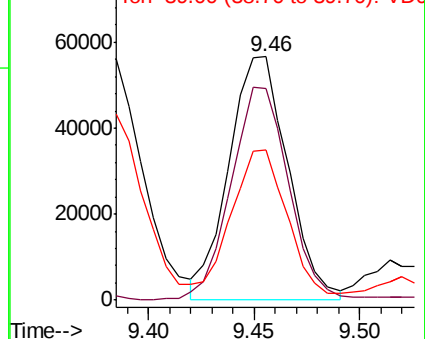
41 100

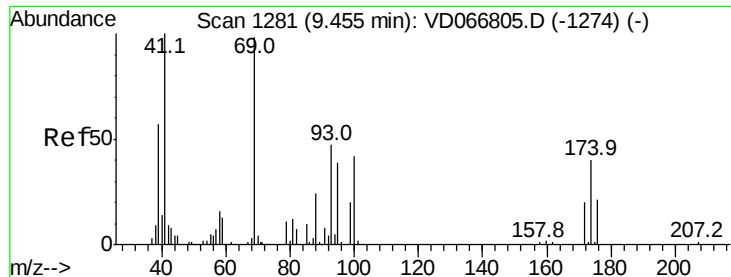
69 86.1 74.5 111.7

39 59.7 47.0 70.6



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1126.285 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

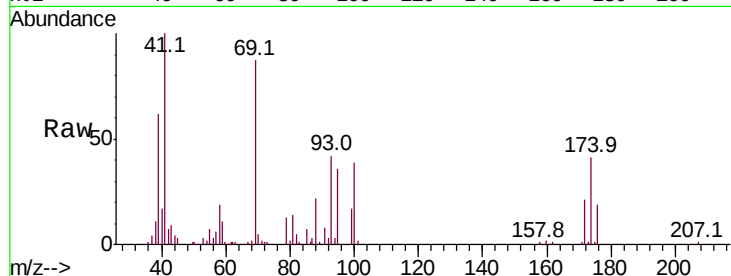
Tot Ion: 88 Resp: 27335

Ion Ratio Lower Upper

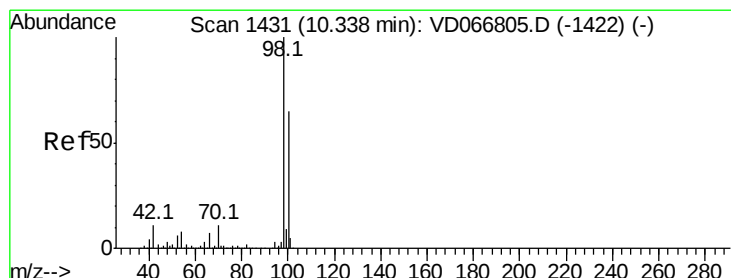
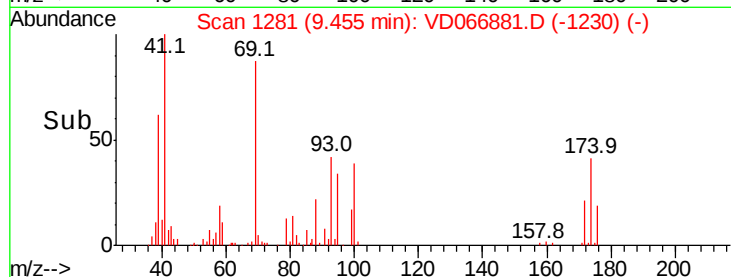
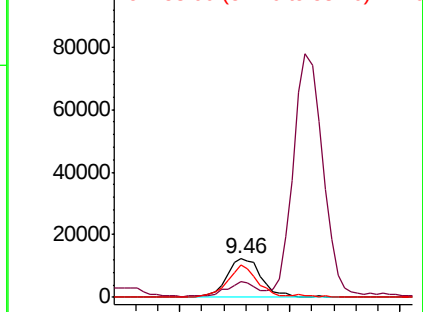
88 100

43 32.1 27.7 41.5

58 71.4 55.5 83.3



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: 44.497 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066881.D

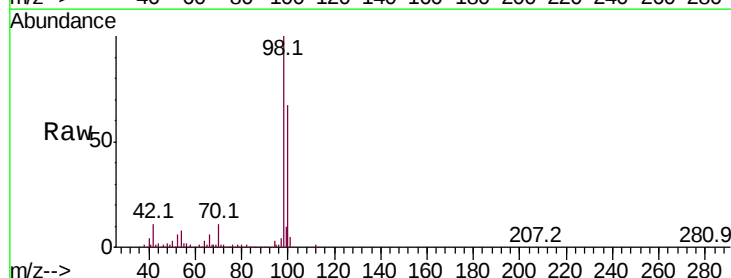
Acq: 25 Sep 2020 18:28

Tgt Ion: 98 Resp: 552577

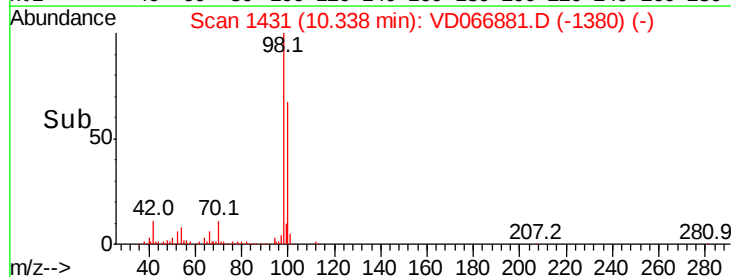
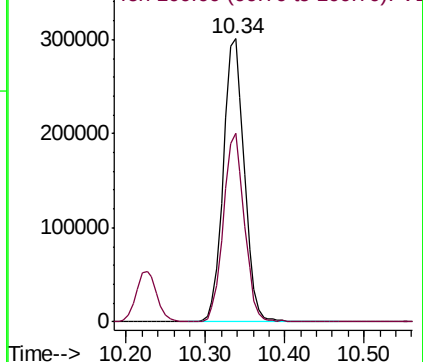
Ion Ratio Lower Upper

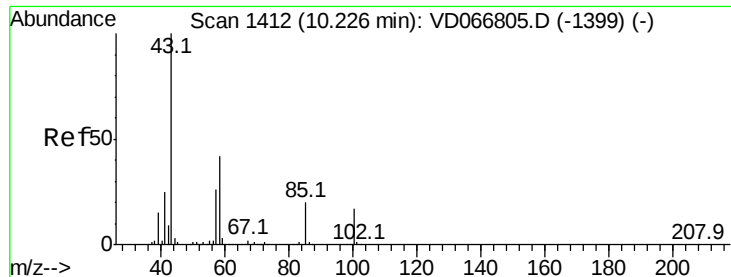
98 100

100 66.5 52.2 78.2



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: 270.948 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

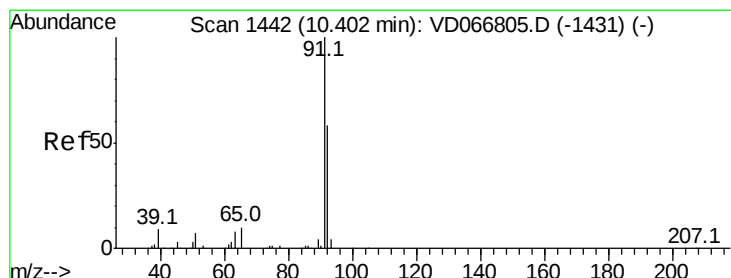
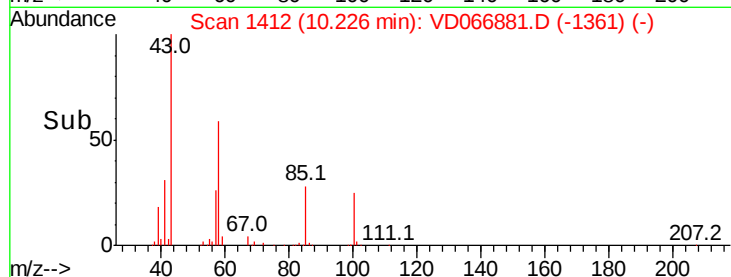
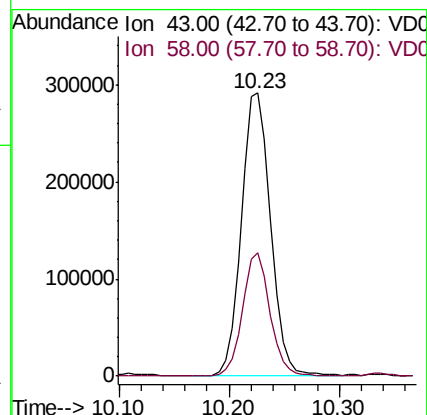
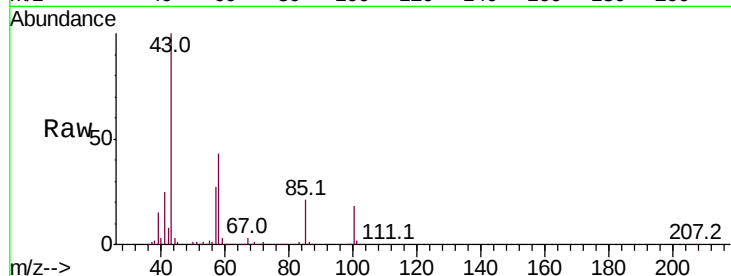
B-2(4-5)MSD

Tot Ion: 43 Resp: 543842

Ion Ratio Lower Upper

43 100

58 40.9 32.2 48.4



#52

Toluene

Concen: 46.282 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066881.D

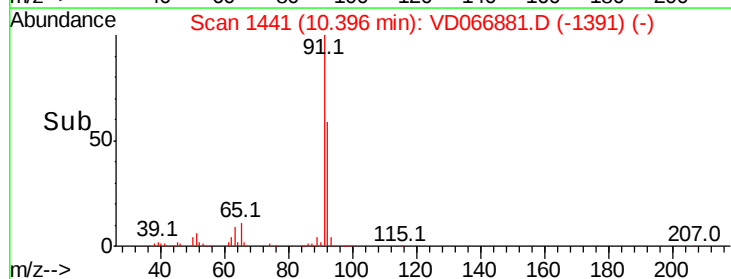
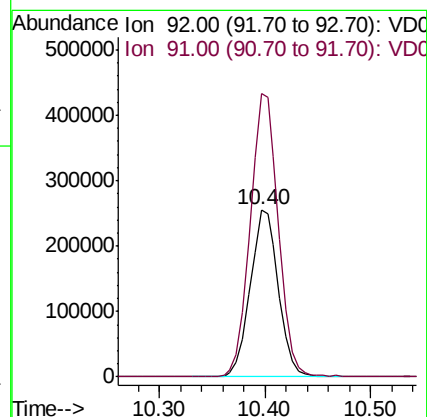
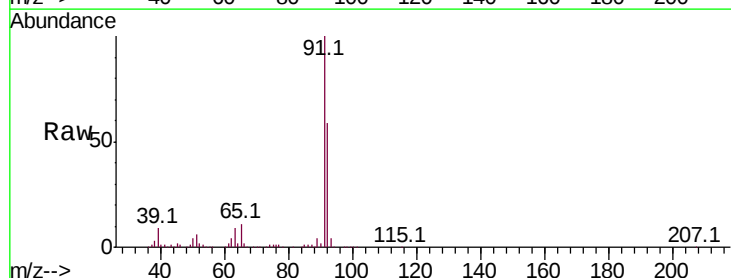
Acq: 25 Sep 2020 18:28

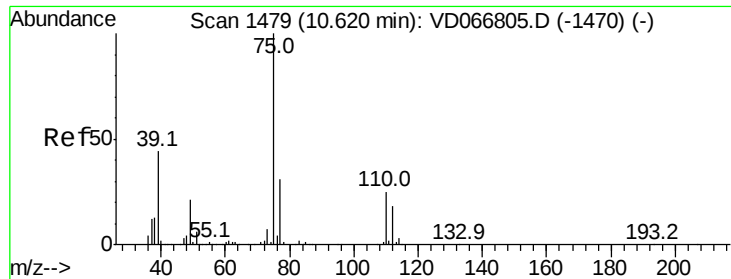
Tgt Ion: 92 Resp: 472212

Ion Ratio Lower Upper

92 100

91 170.2 134.6 202.0





#53

t-1,3-Dichloropropene

Concen: 50.056 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

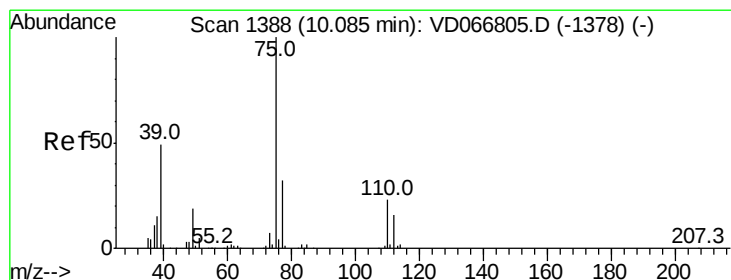
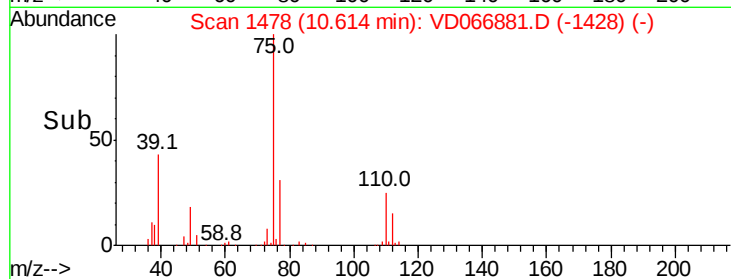
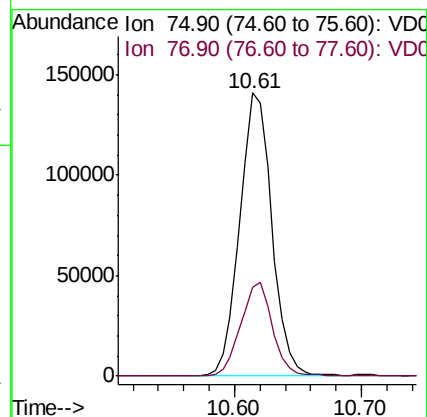
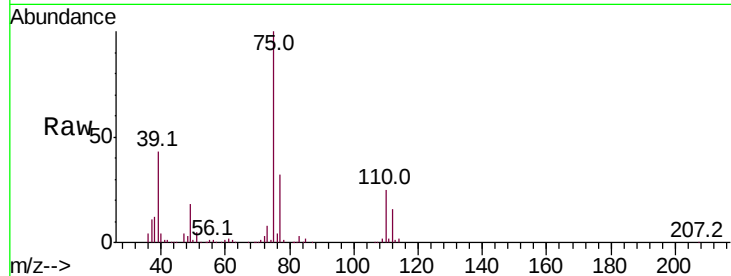
B-2(4-5)MSD

Tot Ion: 75 Resp: 247819

Ion Ratio Lower Upper

75 100

77 31.6 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 50.712 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

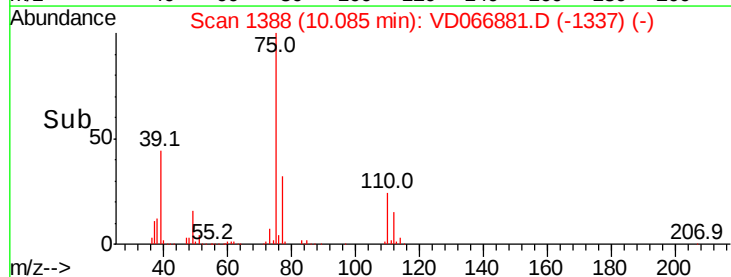
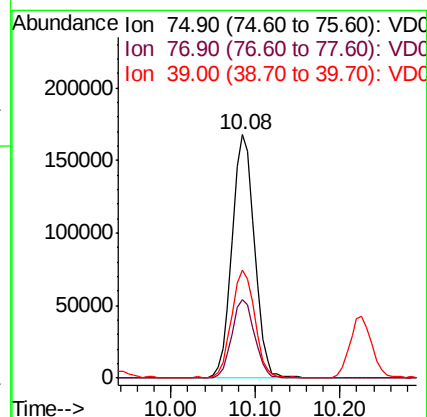
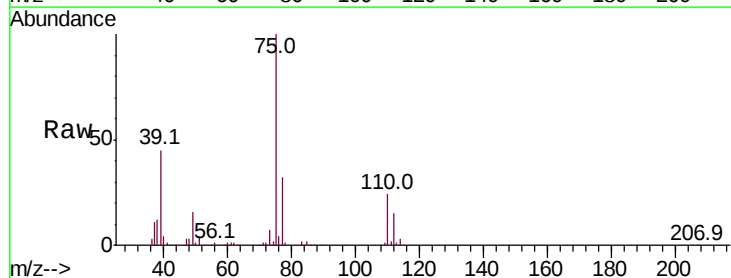
Tgt Ion: 75 Resp: 306140

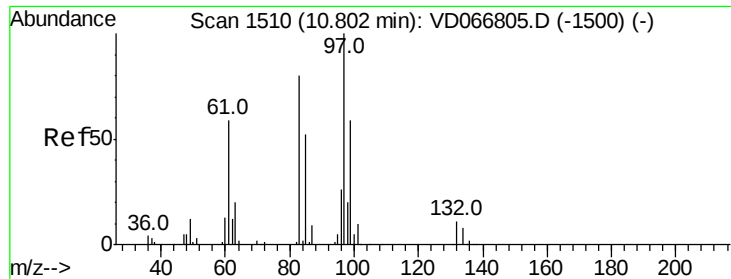
Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

39 44.1 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 51.380 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

Tot Ion: 97 Resp: 152942

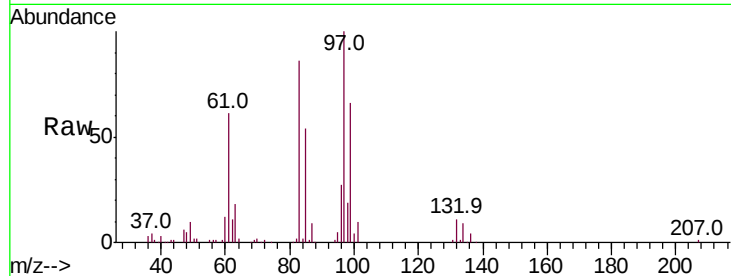
Ion Ratio Lower Upper

97 100

83 86.0 64.2 96.2

85 54.1 41.9 62.9

99 66.0 47.5 71.3



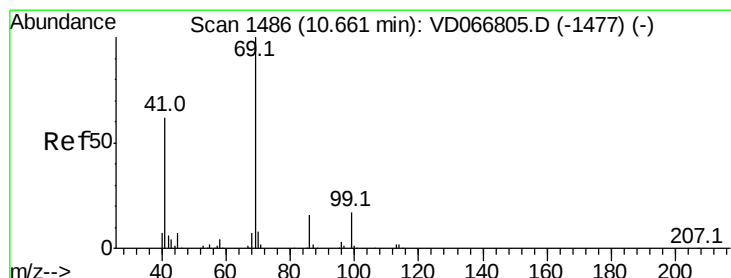
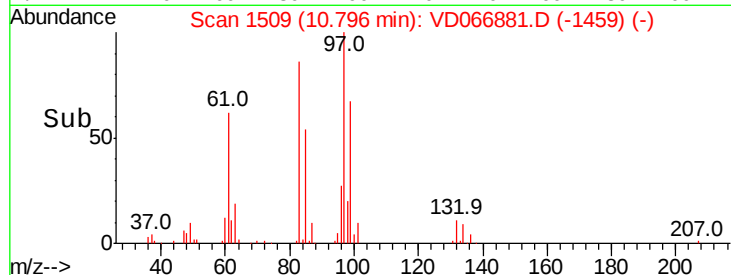
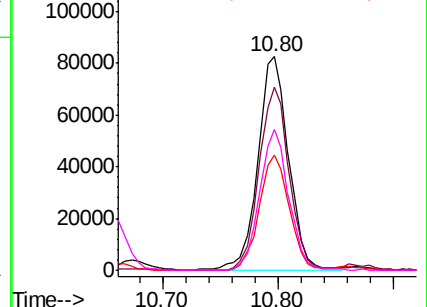
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 56.337 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

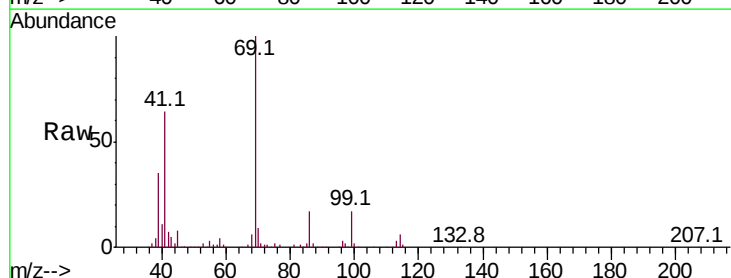
Tgt Ion: 69 Resp: 179654

Ion Ratio Lower Upper

69 100

41 62.0 52.2 78.2

39 35.2 26.6 40.0

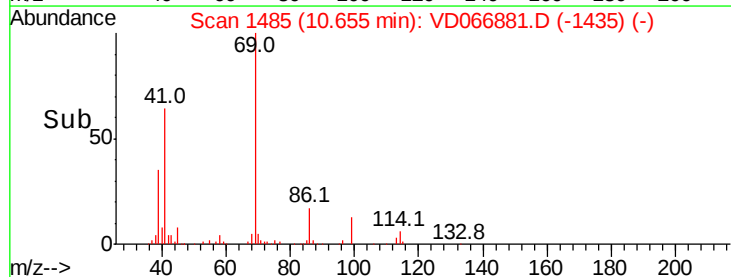
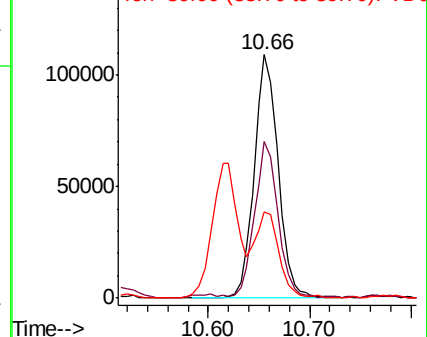


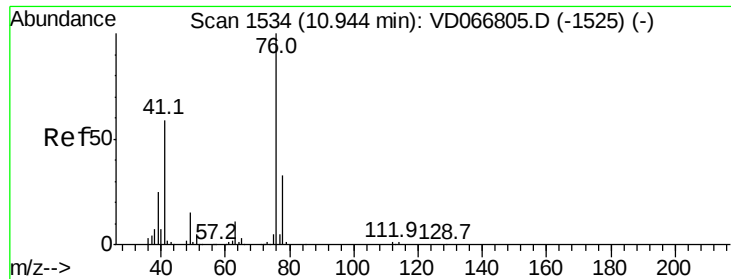
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

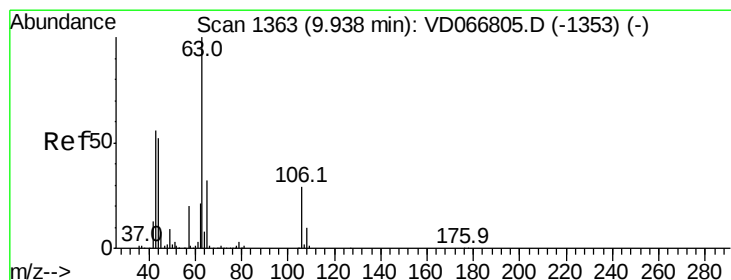
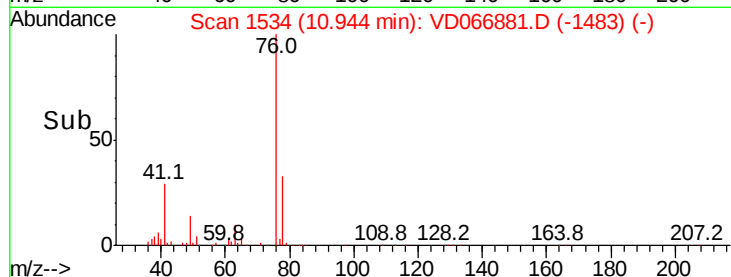
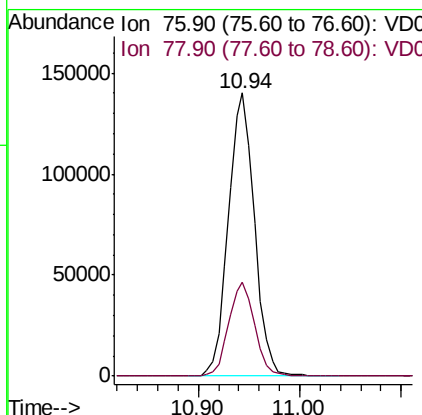
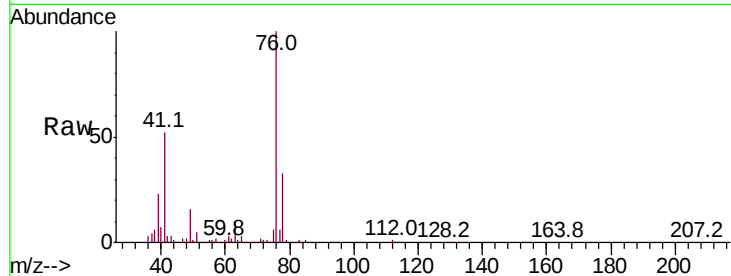




#57
 1,3-Dichloropropane
 Concen: 50.836 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

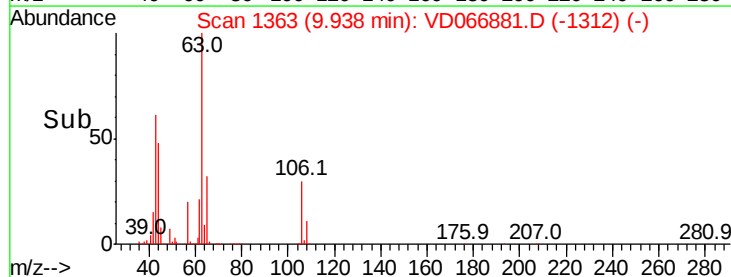
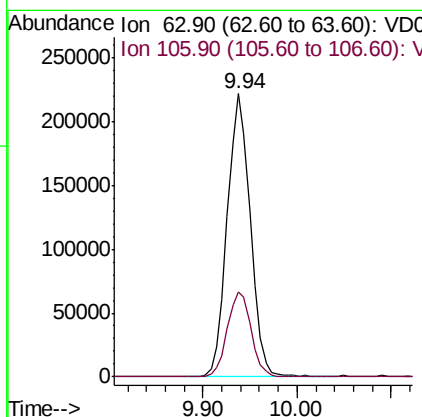
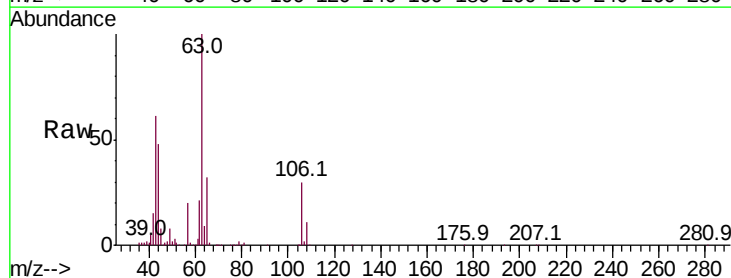
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

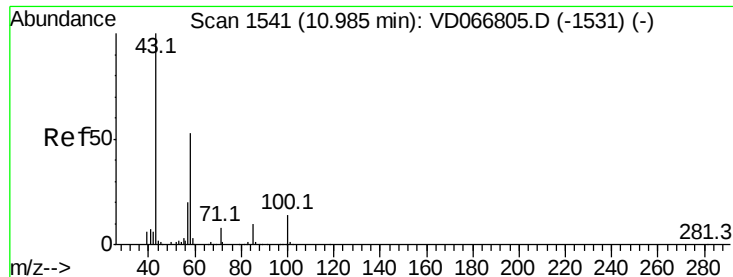
Tot Ion: 76 Resp: 249873
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.684 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

Tgt Ion: 63 Resp: 378512
 Ion Ratio Lower Upper
 63 100
 106 31.0 23.8 35.6

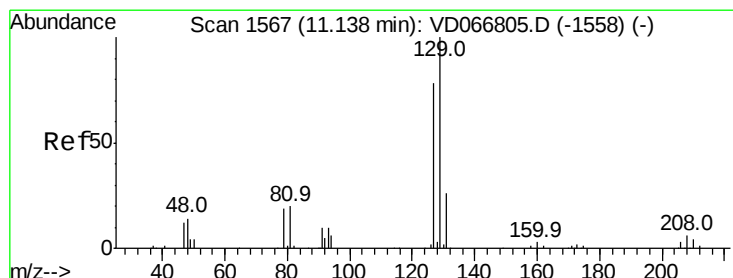
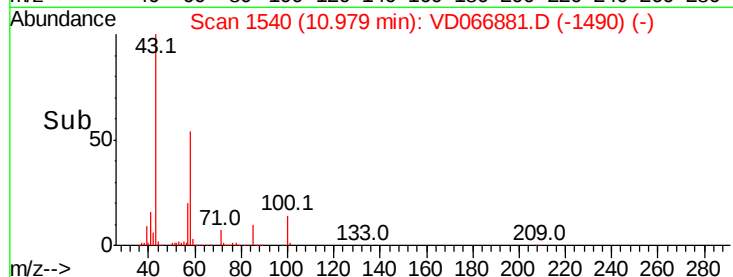
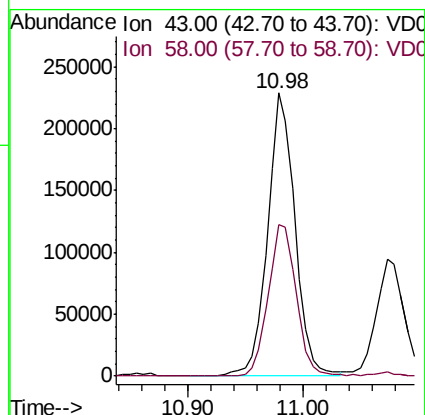
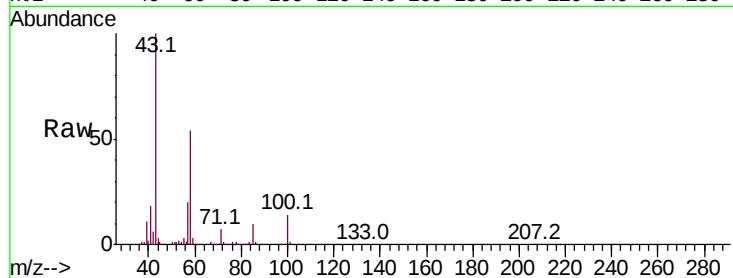




#59
2-Hexanone
Concen: 280.499 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

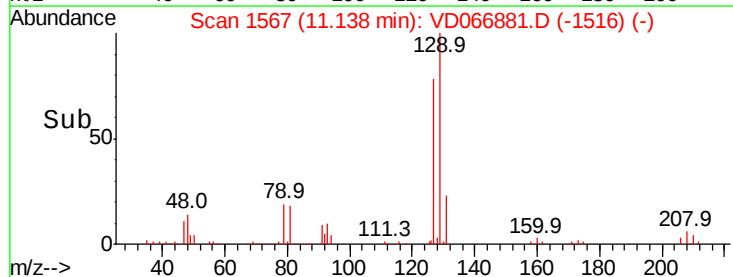
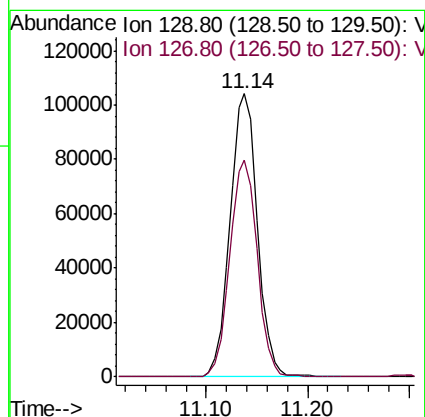
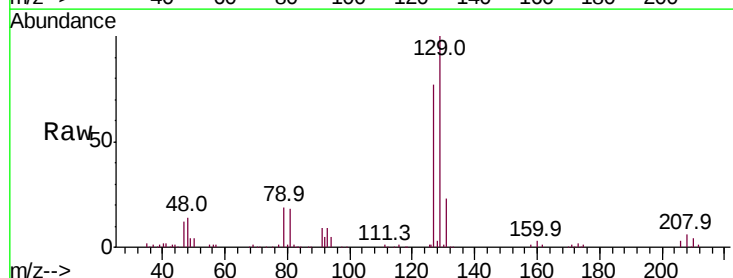
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

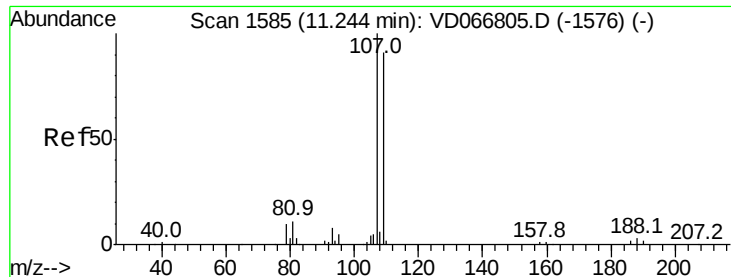
Tot Ion: 43 Resp: 379681
Ion Ratio Lower Upper
43 100
58 54.8 27.0 80.8



#60
Dibromochloromethane
Concen: 49.934 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion: 129 Resp: 193994
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0

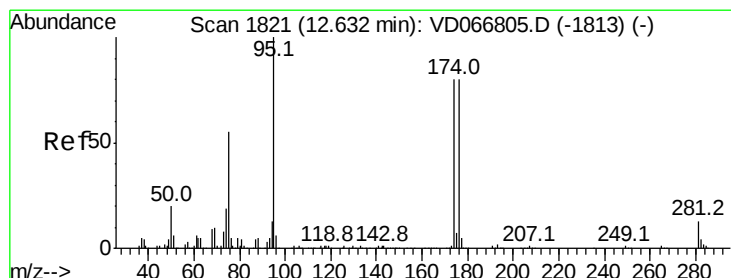
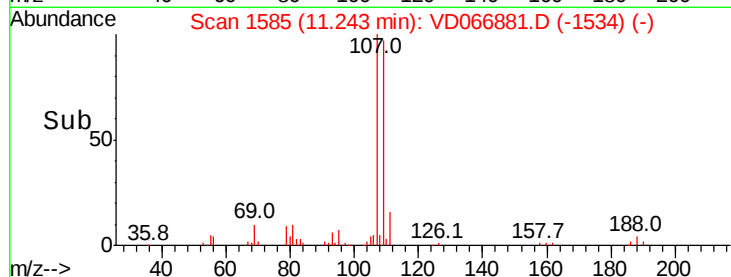
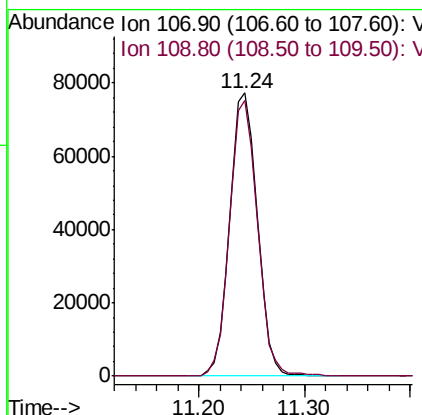
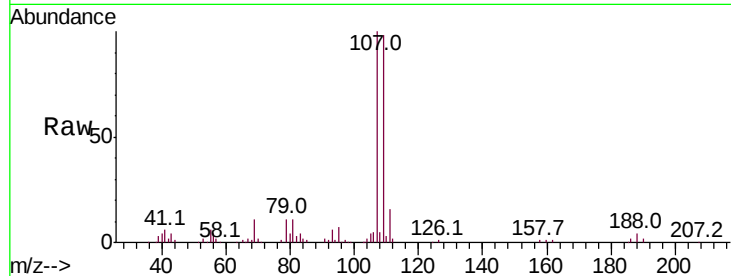




#61
 1,2-Dibromoethane
 Concen: 50.388 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

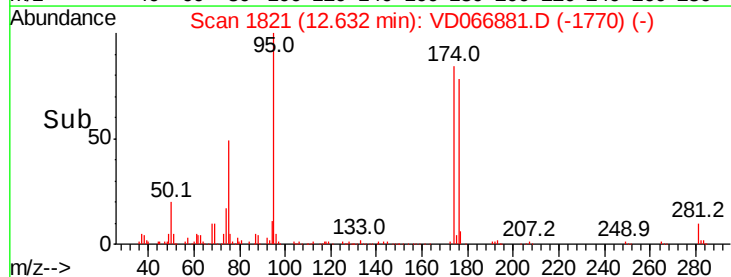
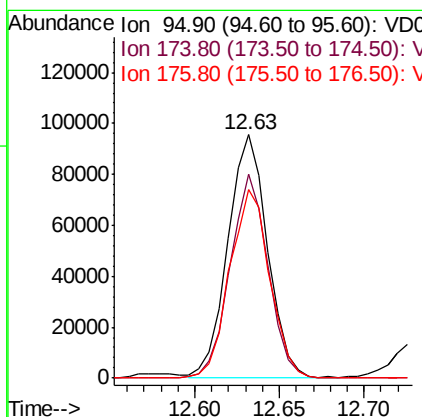
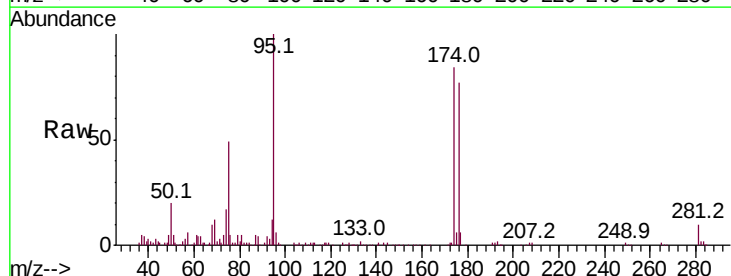
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

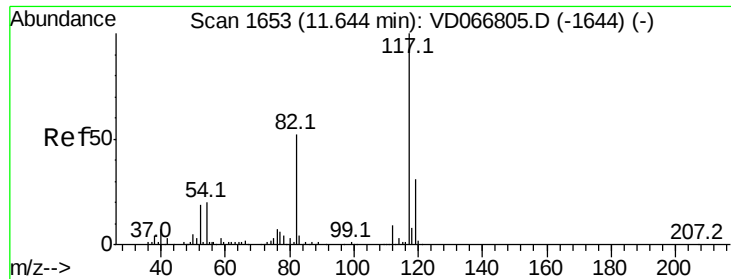
Tot Ion:107 Resp: 139509
 Ion Ratio Lower Upper
 107 100
 109 98.3 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 36.461 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

Tgt Ion: 95 Resp: 155002
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 159.8
 176 78.2 0.0 154.4

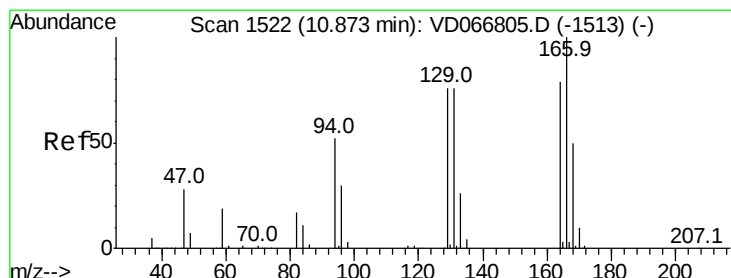
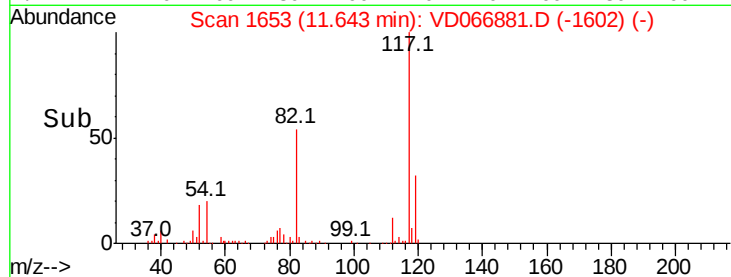
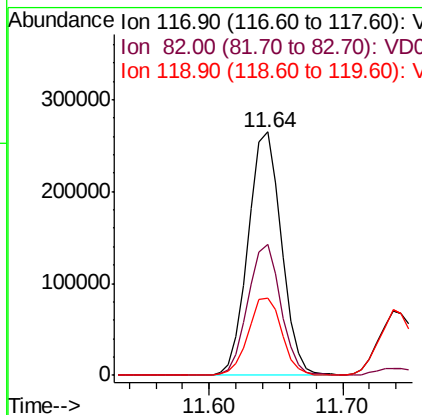
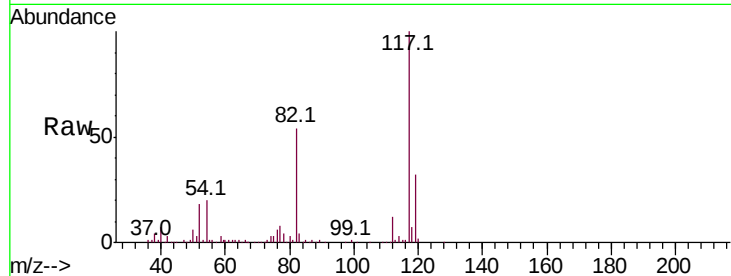




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

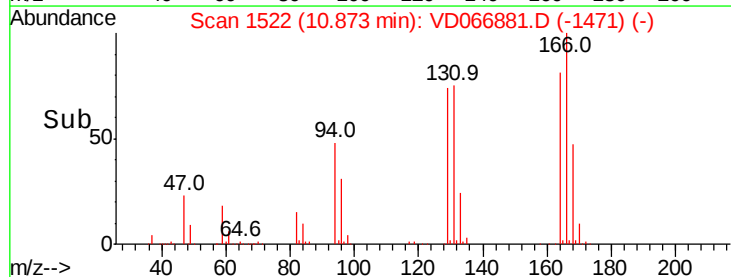
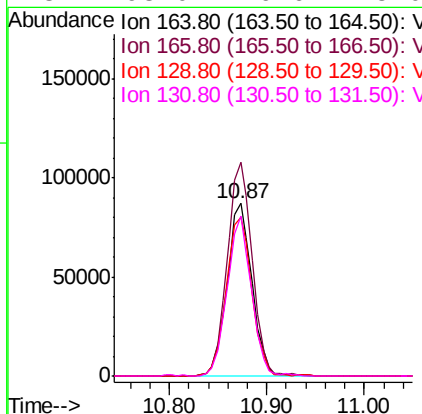
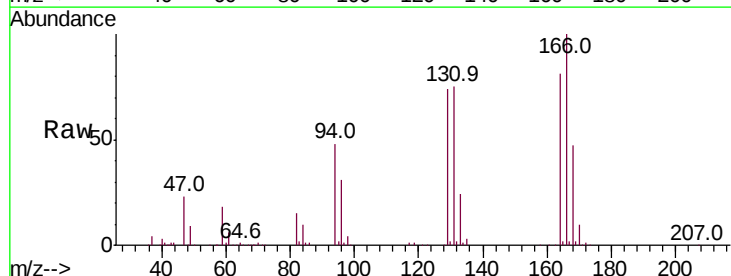
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

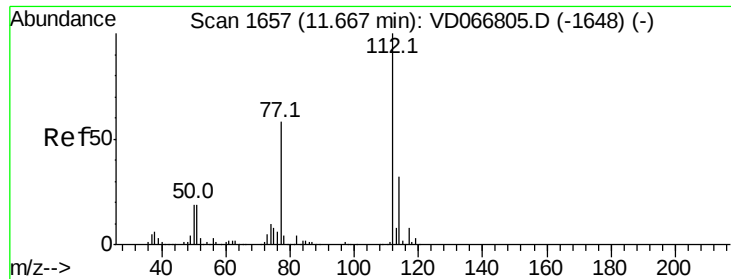
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.8	62.6
119	31.7	24.6	37.0



#64
Tetrachloroethene
Concen: 47.010 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	101.1	151.7
129	91.7	77.0	115.4
131	93.0	76.6	115.0

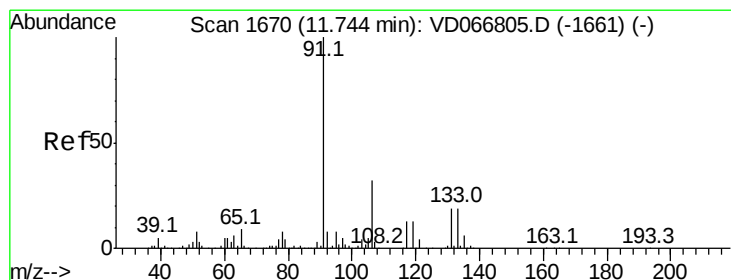
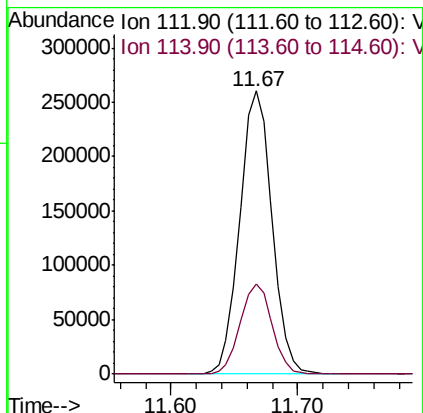
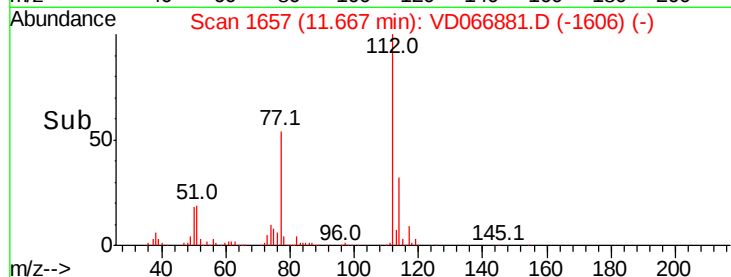
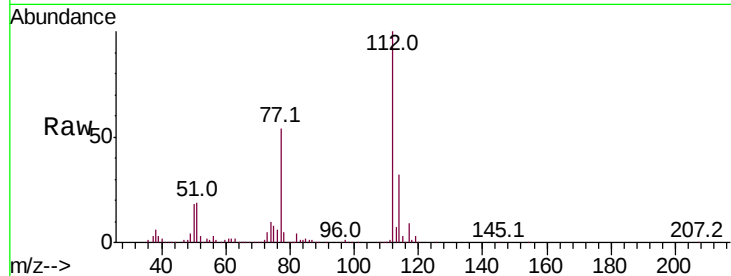




#65
Chlorobenzene
Concen: 48.421 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

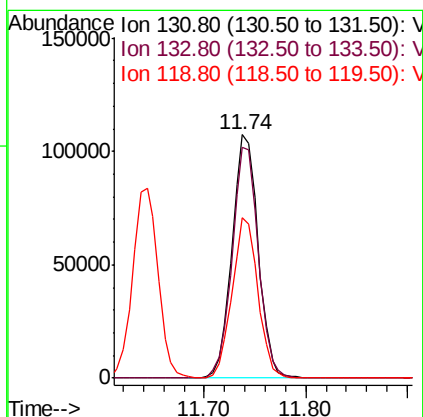
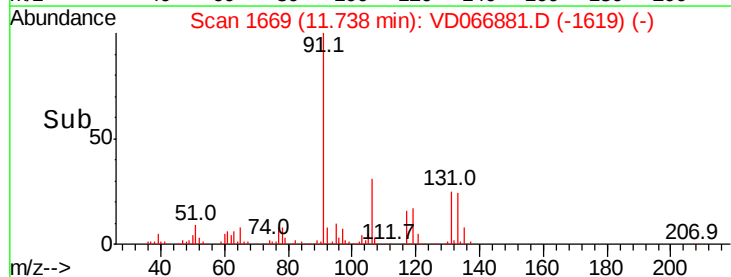
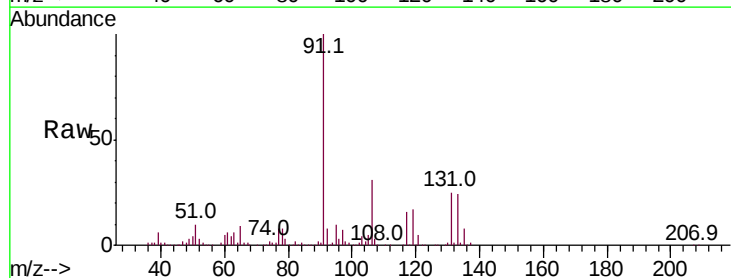
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

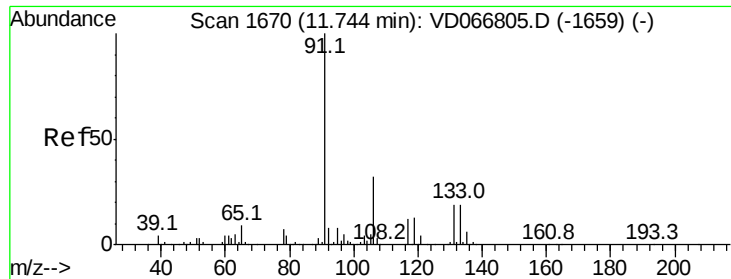
Tot Ion:112 Resp: 459264
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.467 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion:131 Resp: 191934
Ion Ratio Lower Upper
131 100
133 95.0 46.7 140.1
119 65.3 32.3 96.9

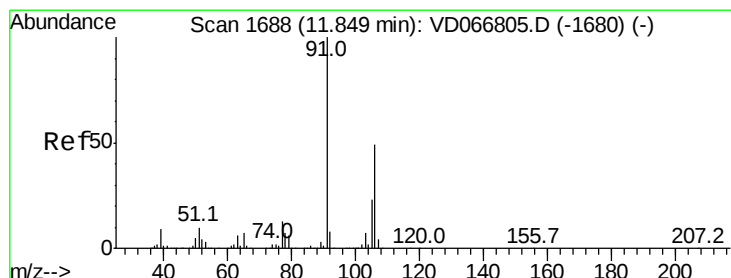
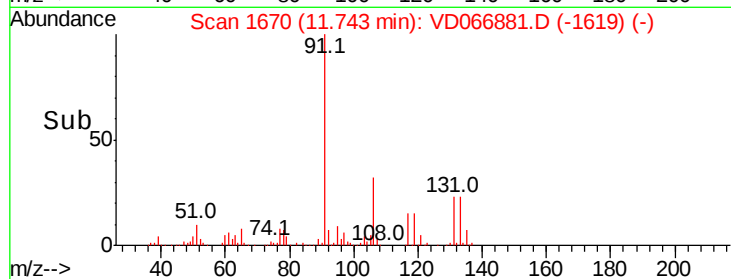
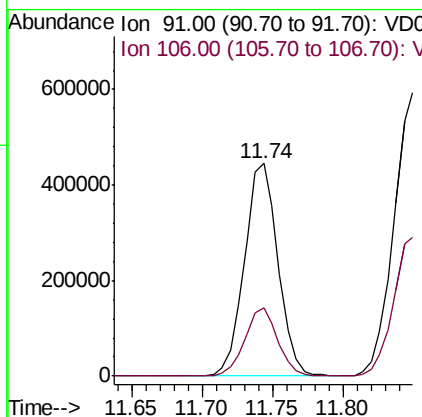
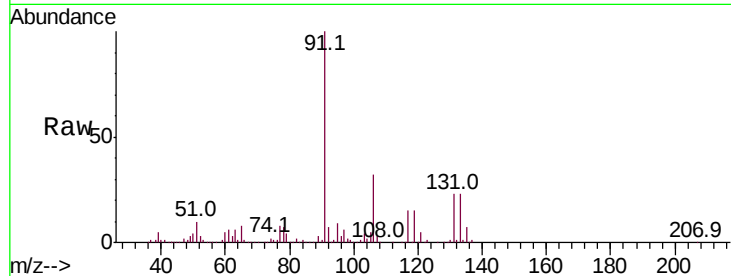




#67
Ethyl Benzene
Concen: 44.514 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

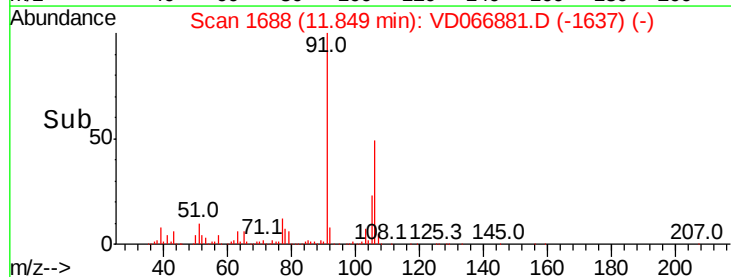
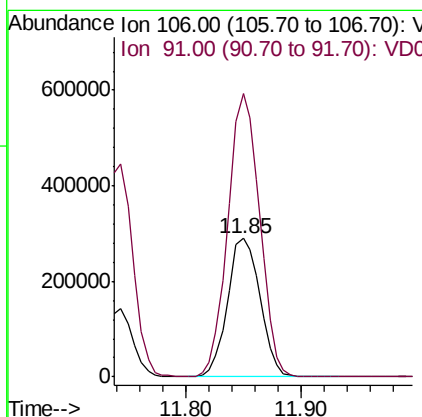
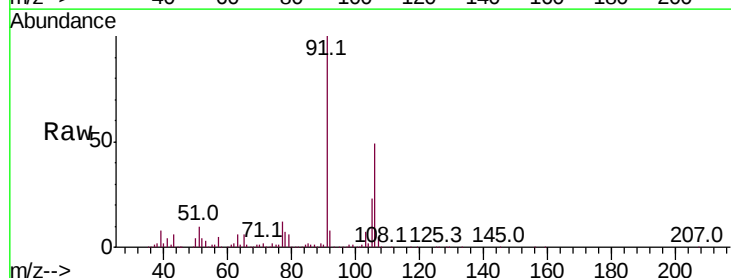
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

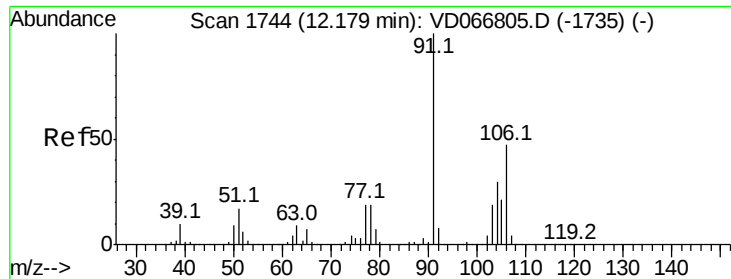
Tot Ion: 91 Resp: 741529
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4



#68
m/p-Xylenes
Concen: 90.046 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion: 106 Resp: 567922
Ion Ratio Lower Upper
106 100
91 199.0 160.7 241.1

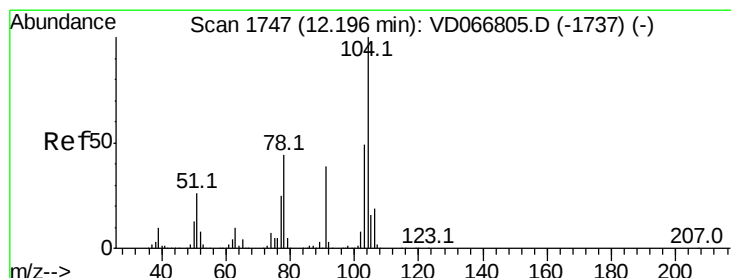
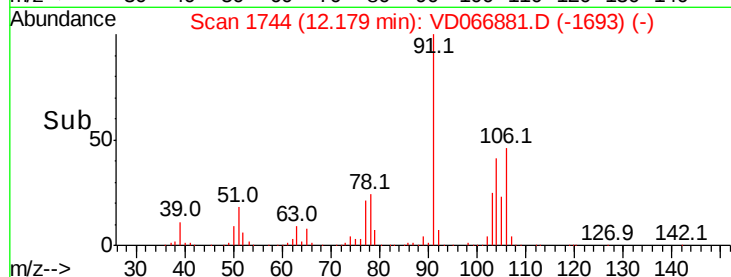
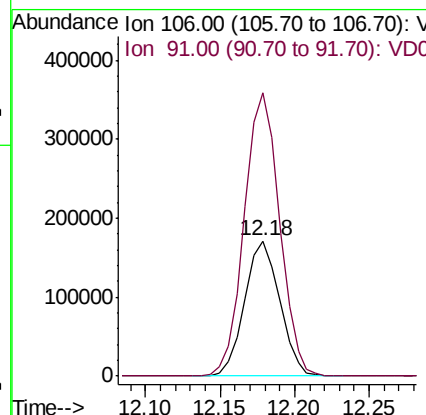
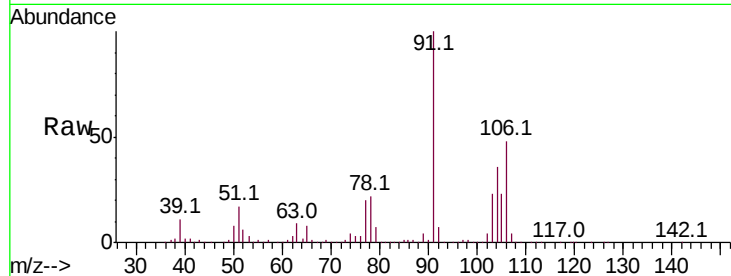




#69
o-Xylene
Concen: 48.887 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

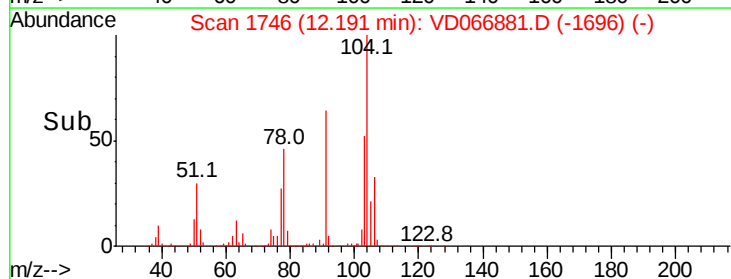
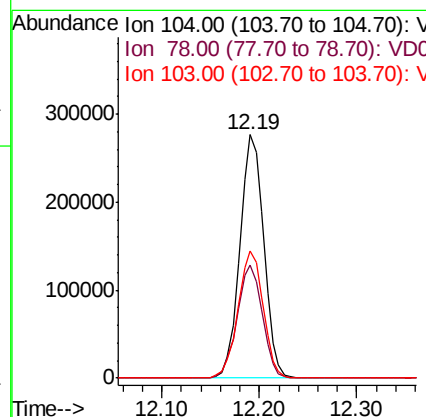
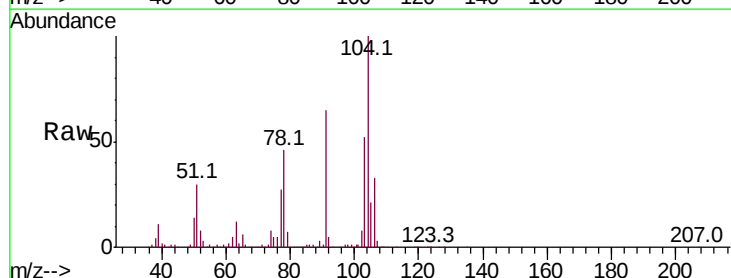
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

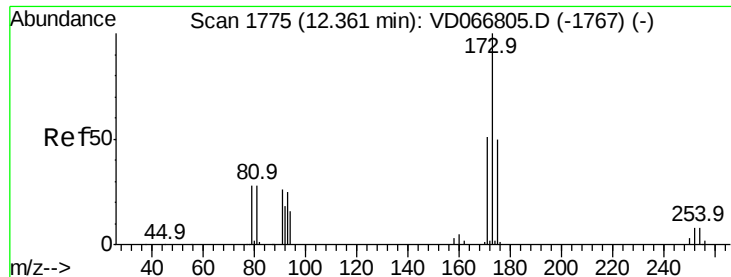
Tot Ion:106 Resp: 278805
Ion Ratio Lower Upper
106 100
91 211.8 106.3 318.8



#70
Styrene
Concen: 47.445 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion:104 Resp: 469893
Ion Ratio Lower Upper
104 100
78 48.9 38.9 58.3
103 55.1 43.2 64.8





#71

Bromoform

Concen: 55.313 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

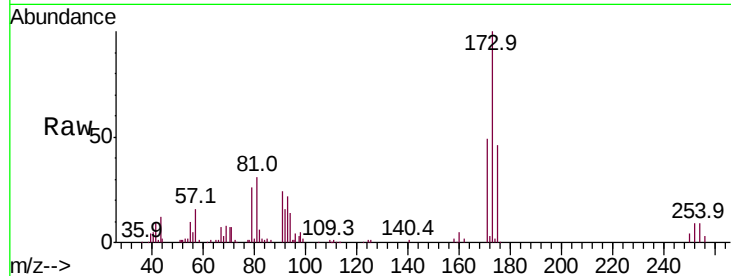
Tot Ion:173 Resp: 100534

Ion Ratio Lower Upper

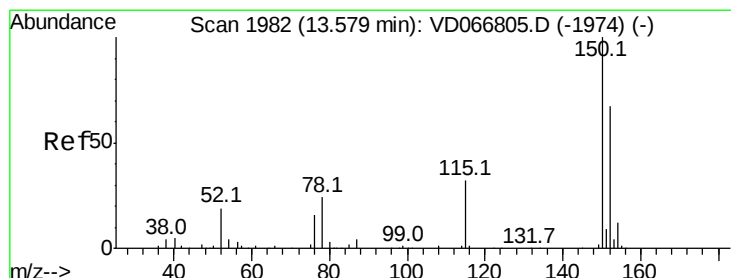
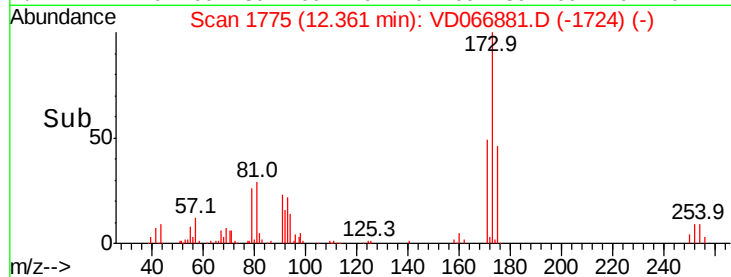
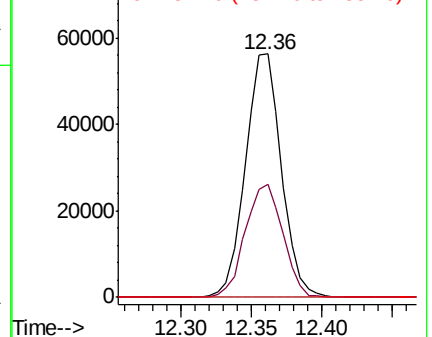
173 100

175 48.7 24.9 74.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

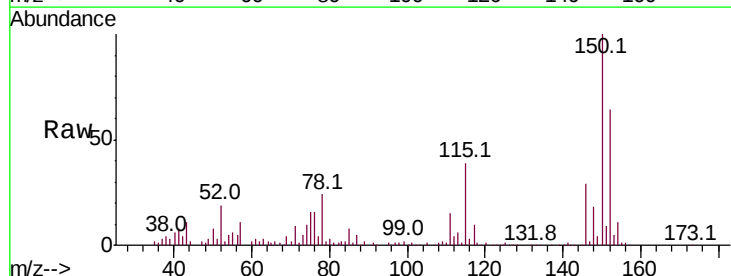
Tgt Ion:152 Resp: 141670

Ion Ratio Lower Upper

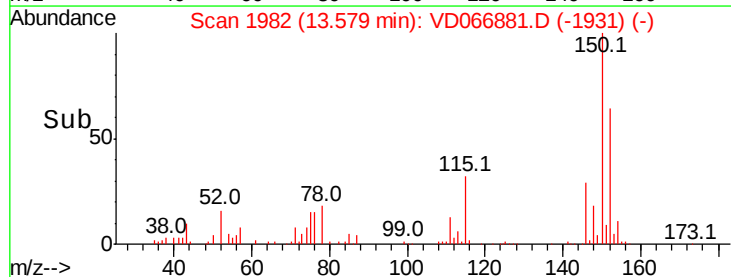
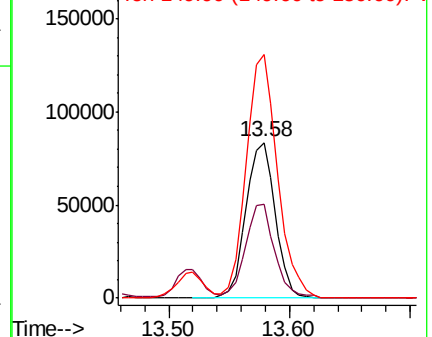
152 100

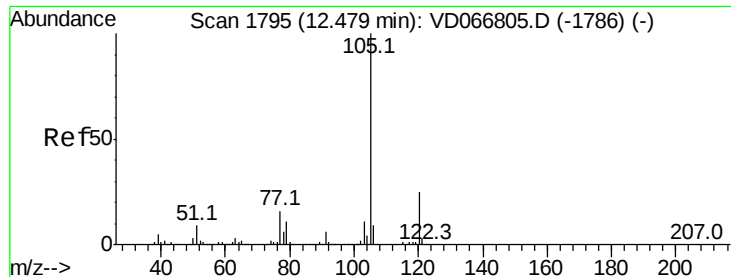
115 60.4 30.3 91.0

150 166.5 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.421 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

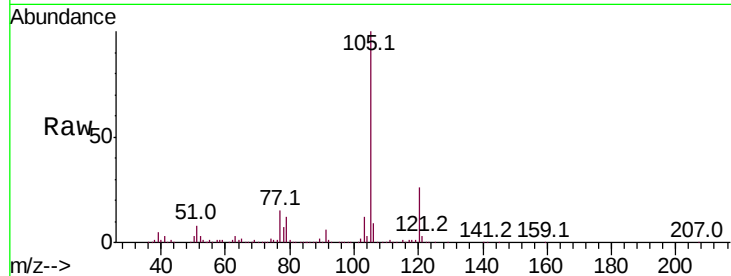
B-2(4-5)MSD

Tot Ion:105 Resp: 556953

Ion Ratio Lower Upper

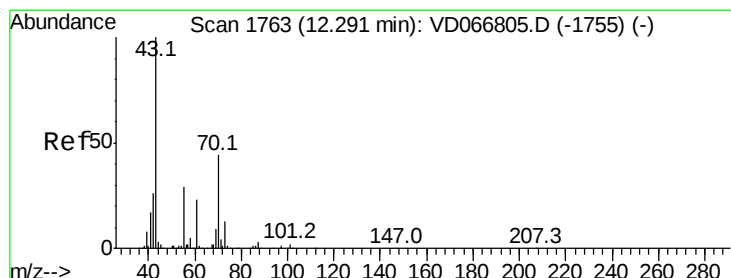
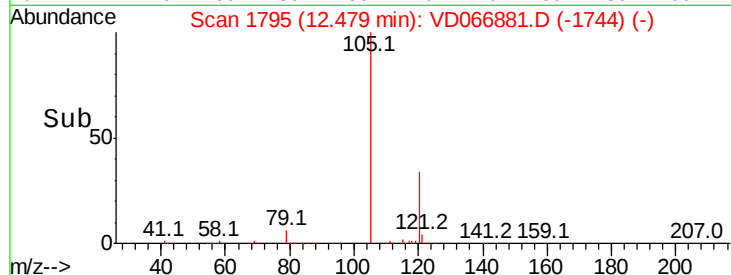
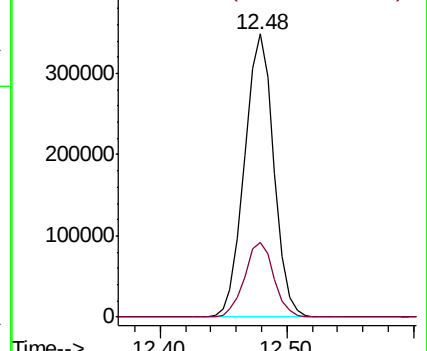
105 100

120 26.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 89.280 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Tgt Ion: 43 Resp: 178434

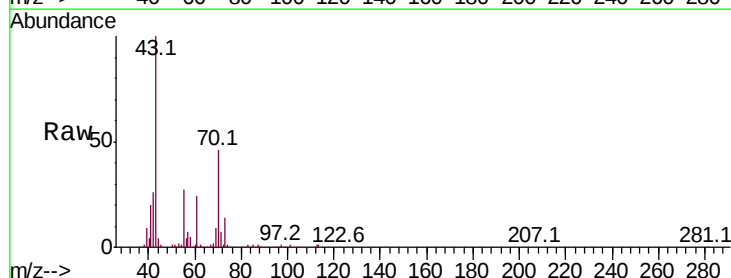
Ion Ratio Lower Upper

43 100

70 45.1 36.1 54.1

55 27.7 21.8 32.8

61 23.3 19.0 28.4

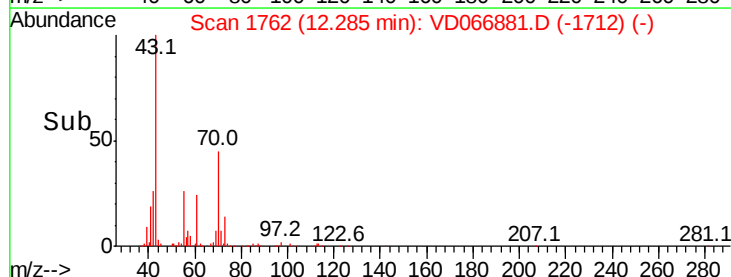
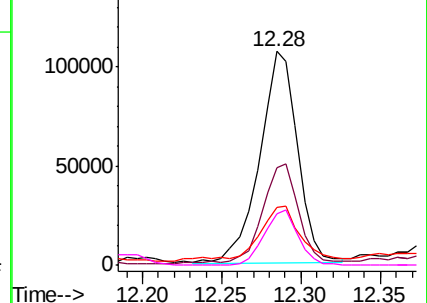


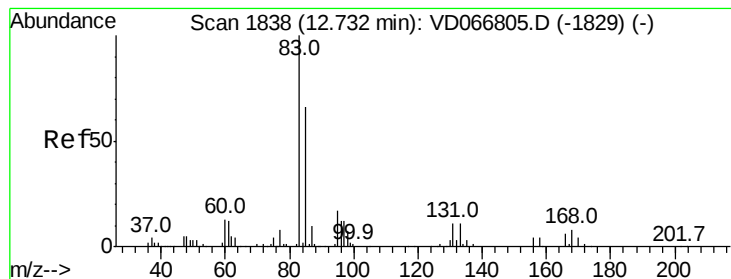
Abundance Ion 43.00 (42.70 to 43.70): V

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: 80.586 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

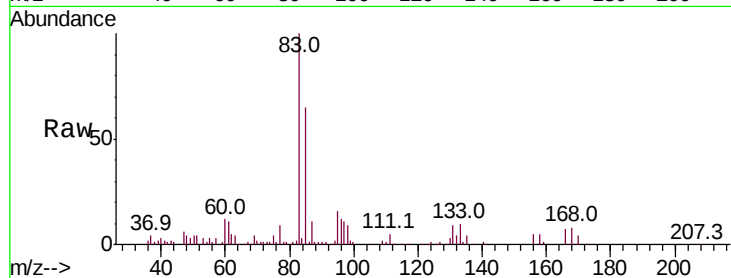
Tot Ion: 83 Resp: 142313

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.7

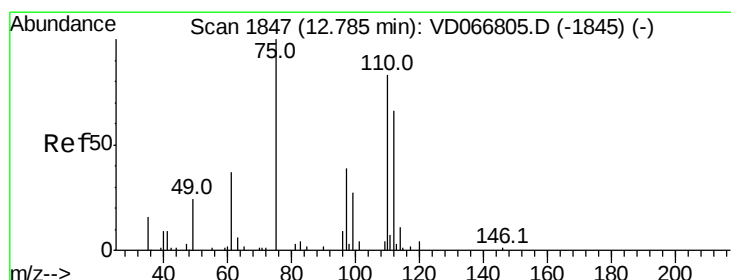
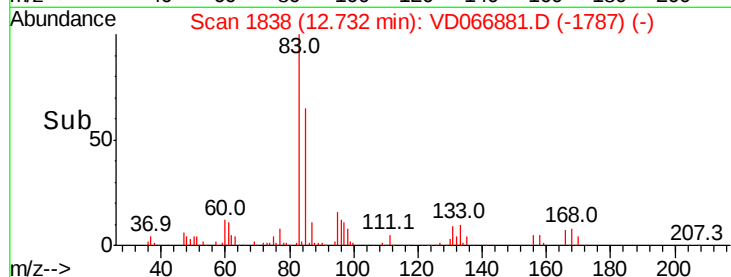
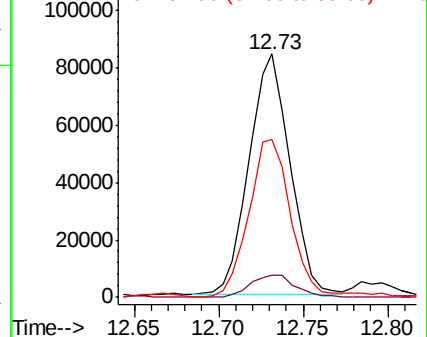
85 66.1 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 155.177 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066881.D

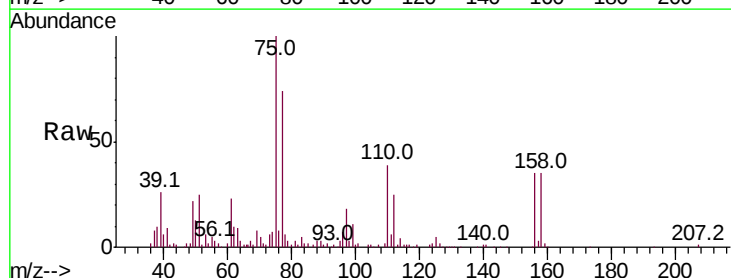
Acq: 25 Sep 2020 18:28

Tgt Ion: 75 Resp: 182185

Ion Ratio Lower Upper

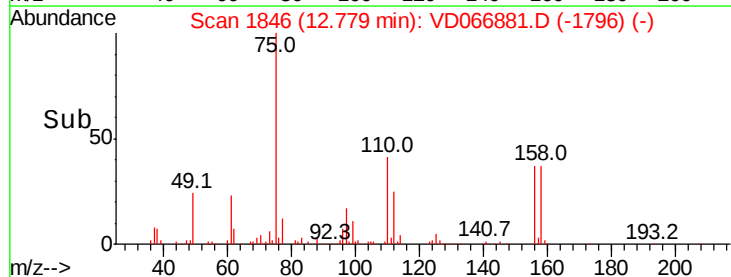
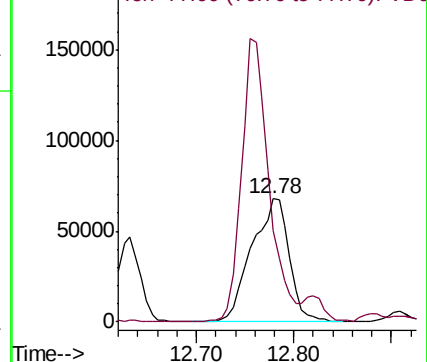
75 100

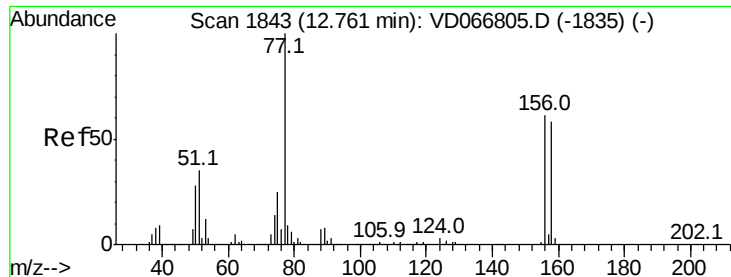
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 67.822 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

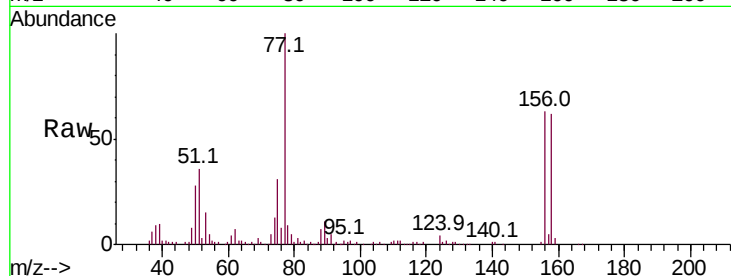
Tot Ion:156 Resp: 162335

Ion Ratio Lower Upper

156 100

77 186.2 92.3 276.9

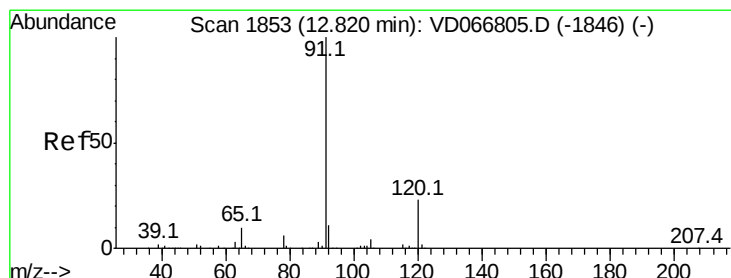
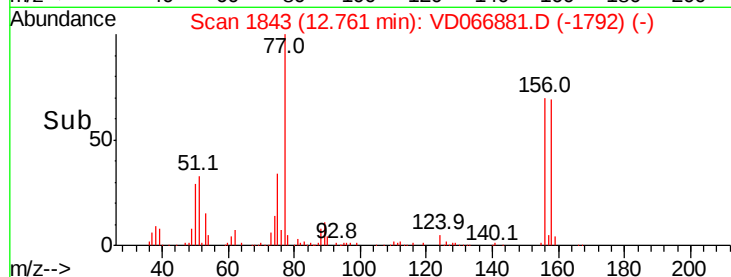
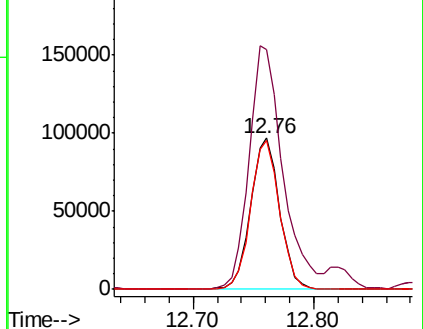
158 97.9 47.6 142.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.838 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066881.D

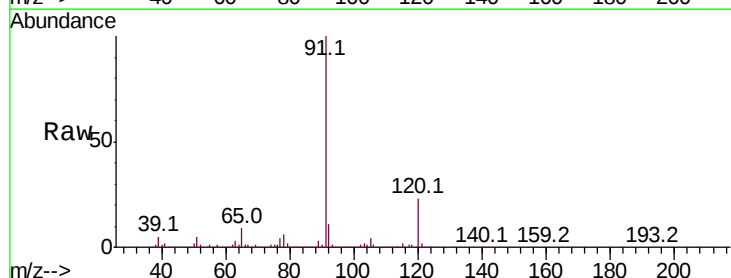
Acq: 25 Sep 2020 18:28

Tgt Ion: 91 Resp: 564365

Ion Ratio Lower Upper

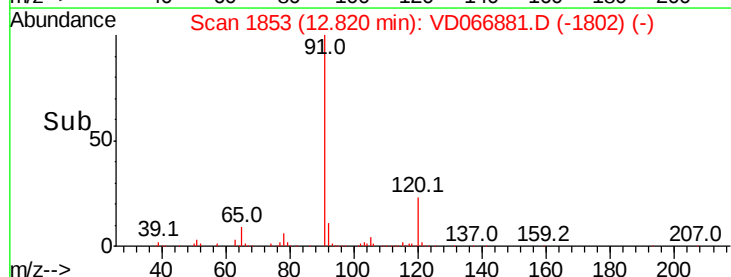
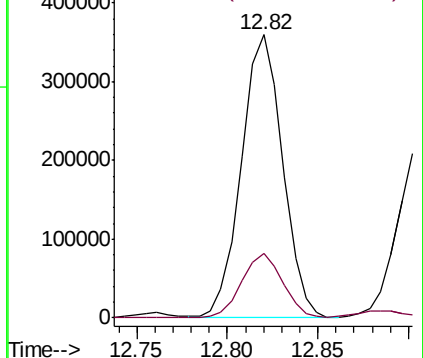
91 100

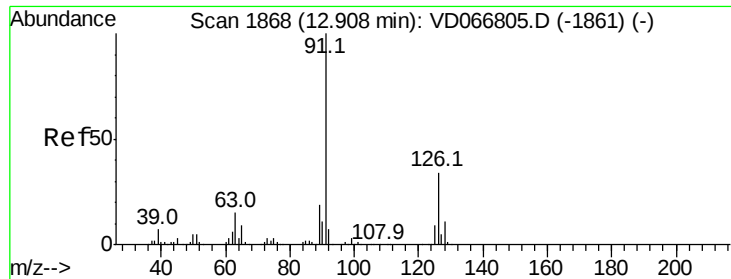
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

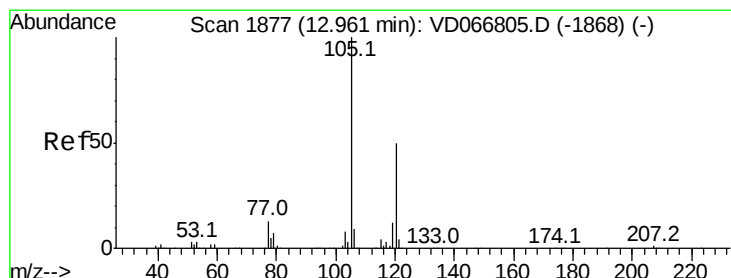
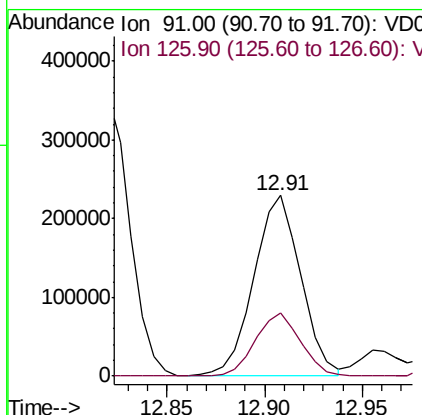
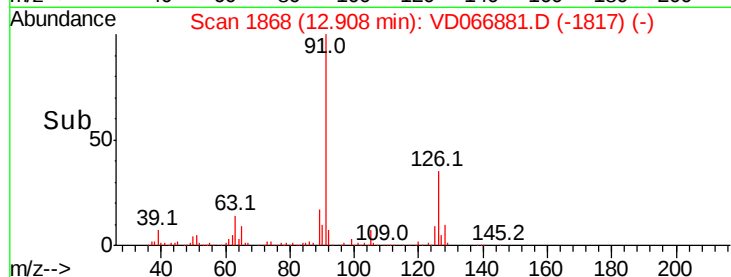
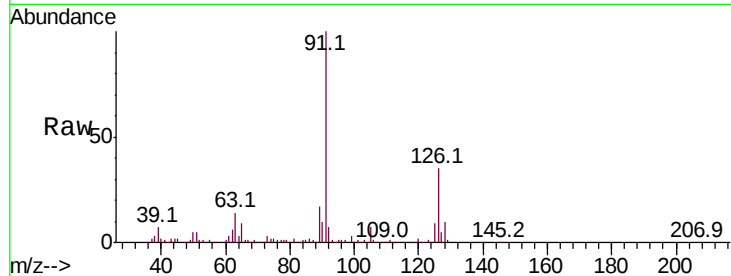




#79
2-Chlorotoluene
Concen: 53.975 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

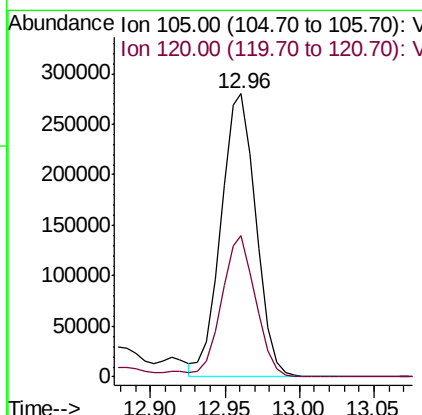
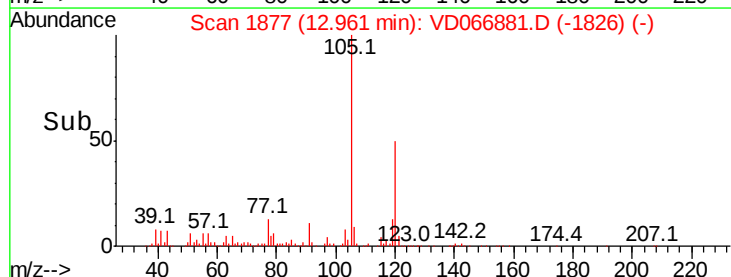
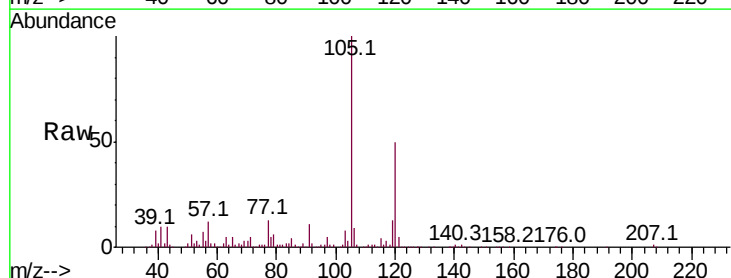
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

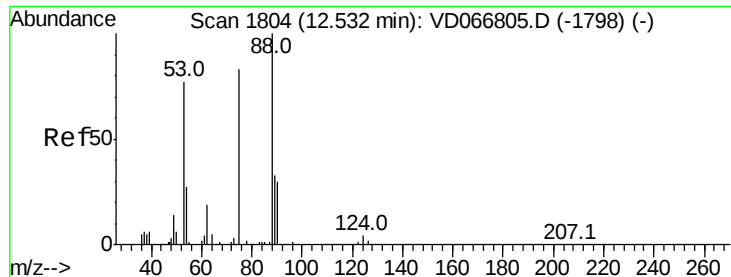
Tot Ion: 91 Resp: 378697
Ion Ratio Lower Upper
91 100
126 34.0 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 52.787 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion:105 Resp: 458391
Ion Ratio Lower Upper
105 100
120 48.4 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 90.086 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

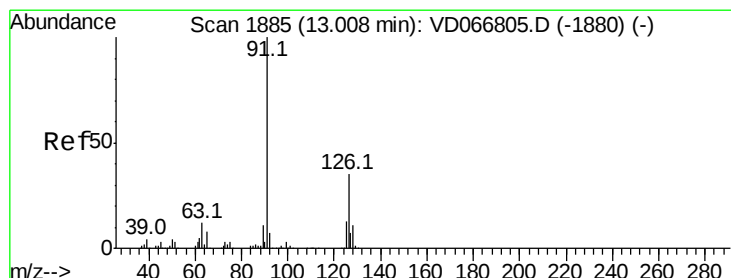
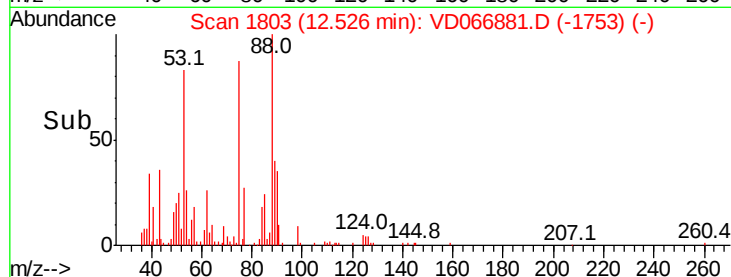
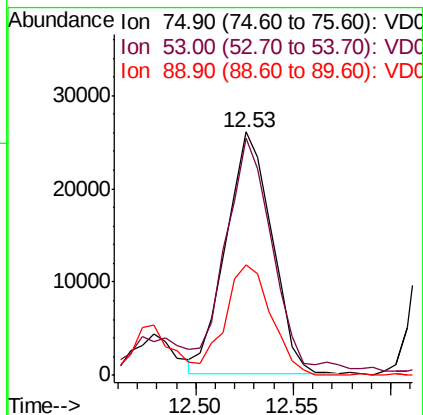
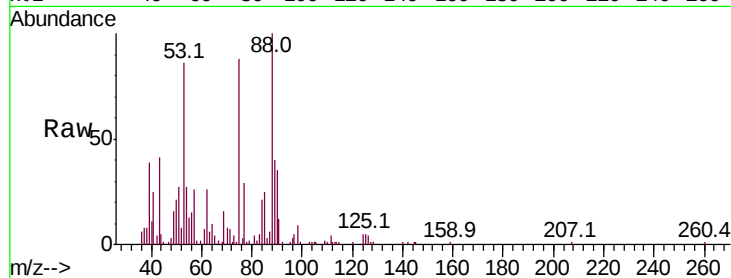
Tot Ion: 75 Resp: 42274

Ion Ratio Lower Upper

75 100

53 98.9 78.5 117.7

89 45.3 38.1 57.1



#82

4-Chlorotoluene

Concen: 52.615 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066881.D

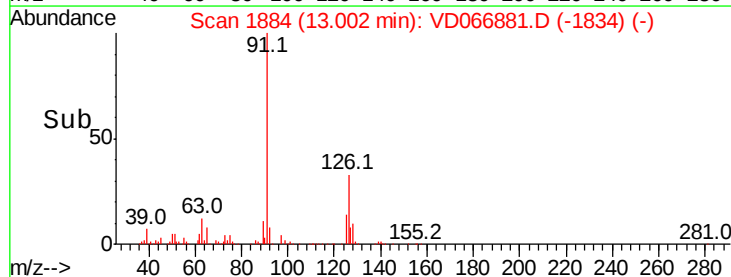
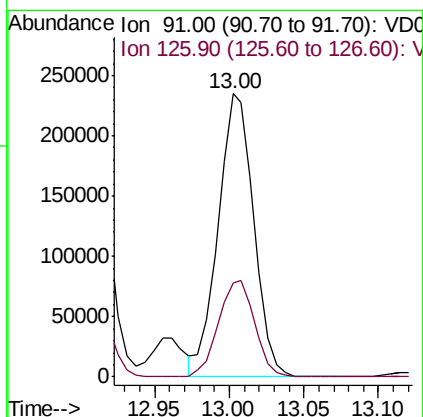
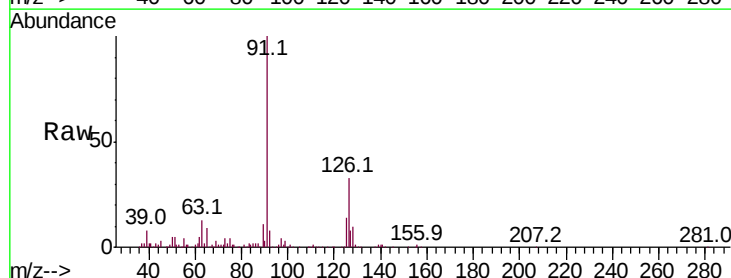
Acq: 25 Sep 2020 18:28

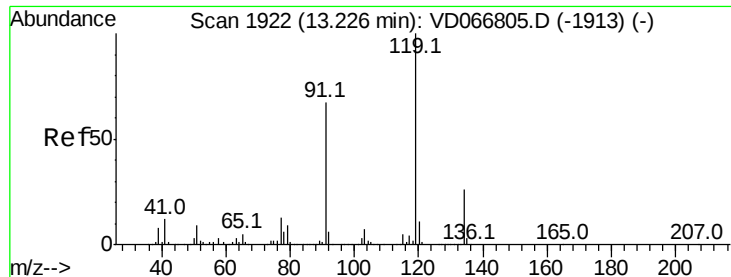
Tgt Ion: 91 Resp: 389141

Ion Ratio Lower Upper

91 100

126 35.0 17.1 51.2

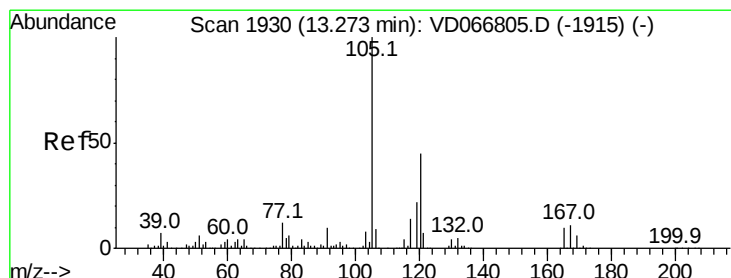
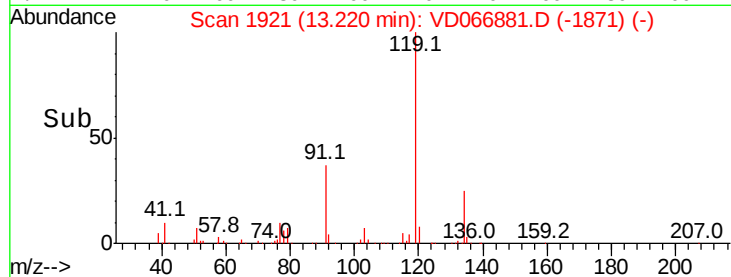
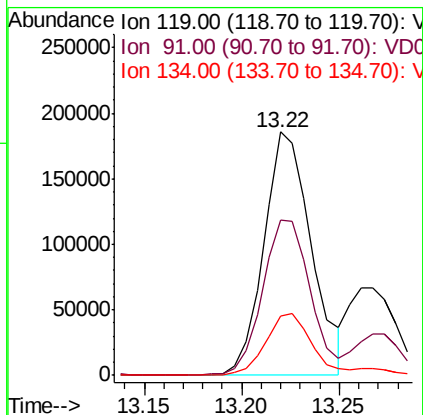
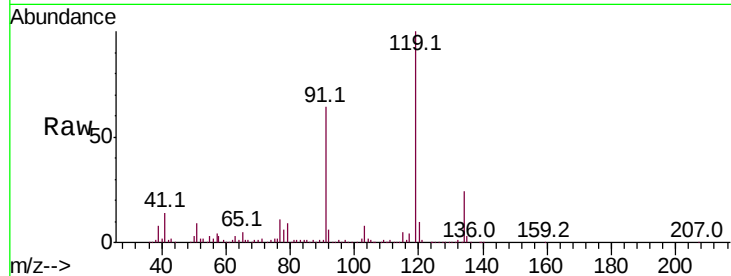




#83
tert-Butylbenzene
Concen: 43.809 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.01 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

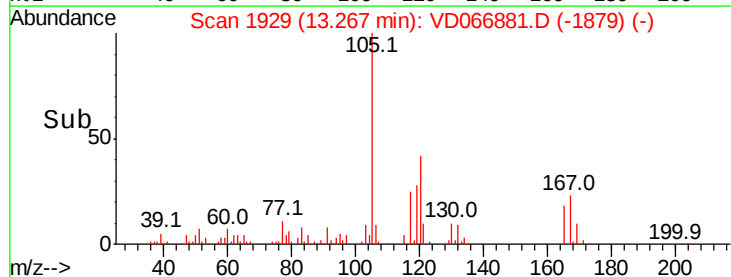
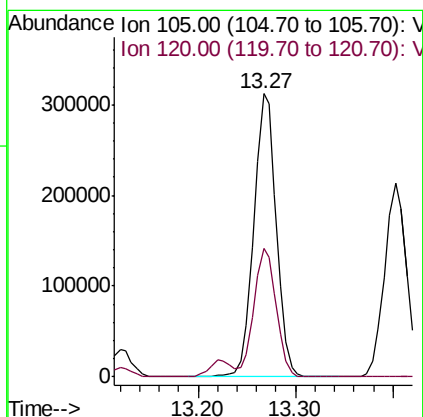
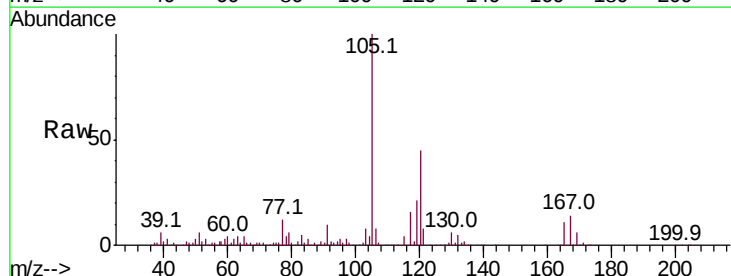
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

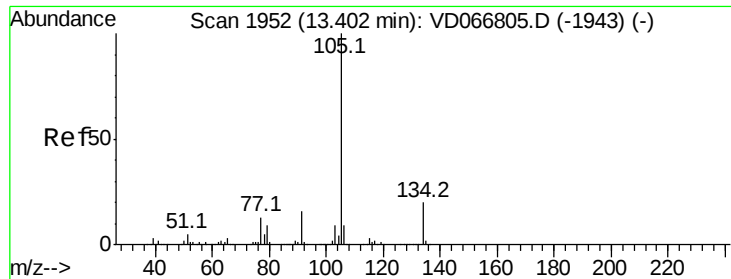
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	33.6	100.8
134	24.5	13.5	40.4



#84
1,2,4-Trimethylbenzene
Concen: 58.823 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9

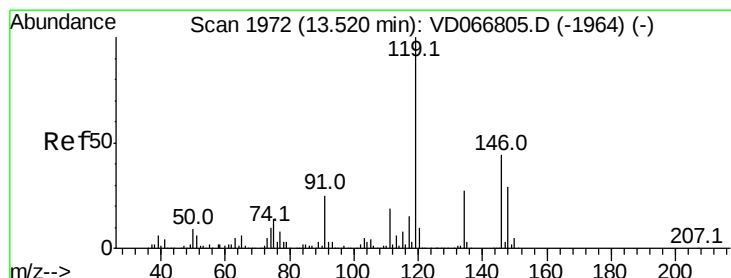
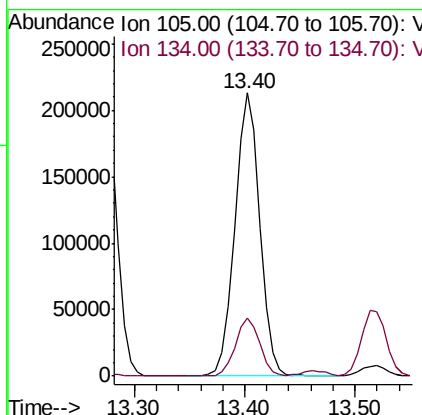
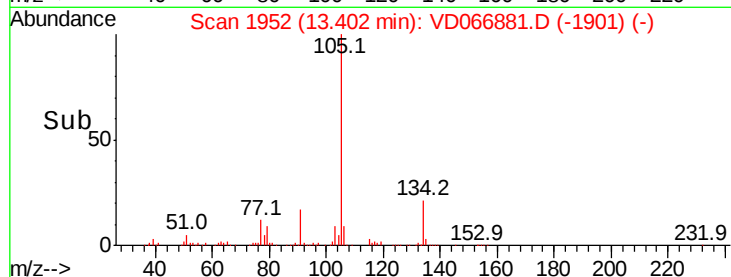
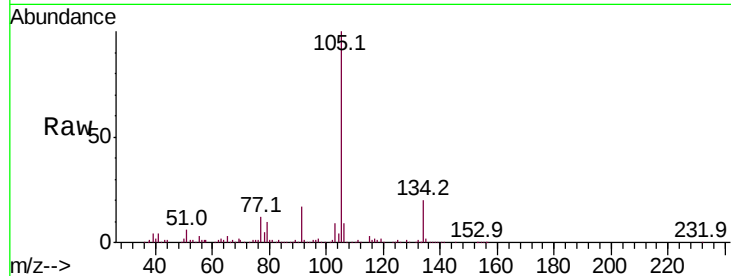




#85
 sec-Butylbenzene
 Concen: 32.729 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

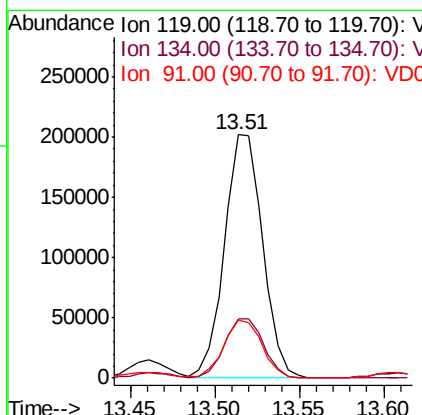
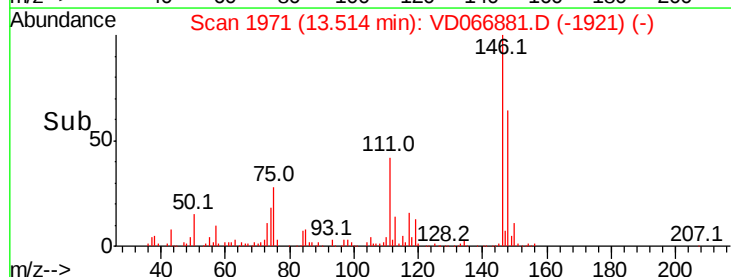
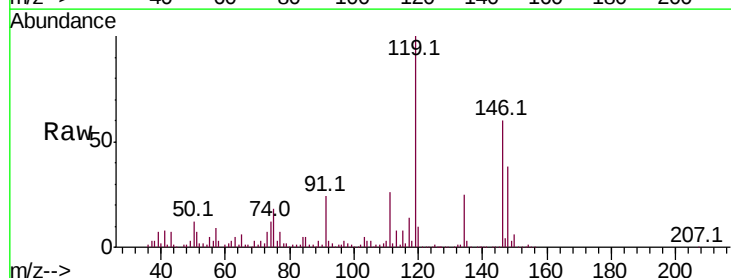
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

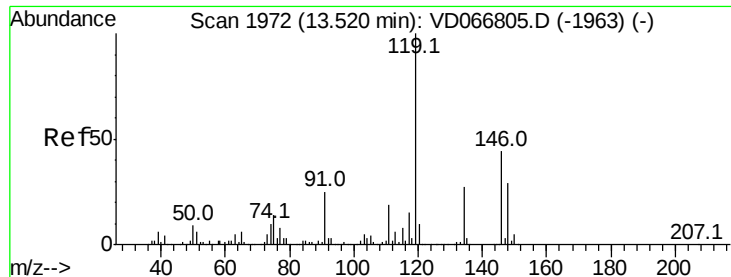
Tot Ion:105 Resp: 335837
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 34.368 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

Tgt Ion:119 Resp: 317879
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.0 38.9
 91 23.8 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 45.260 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

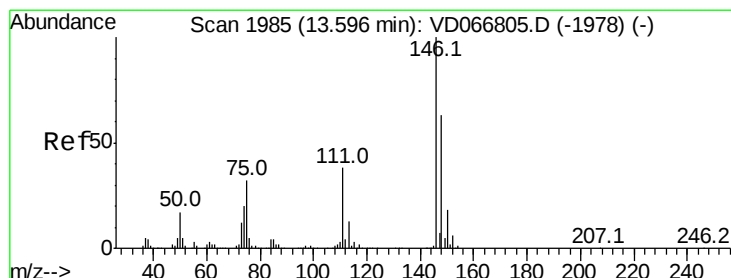
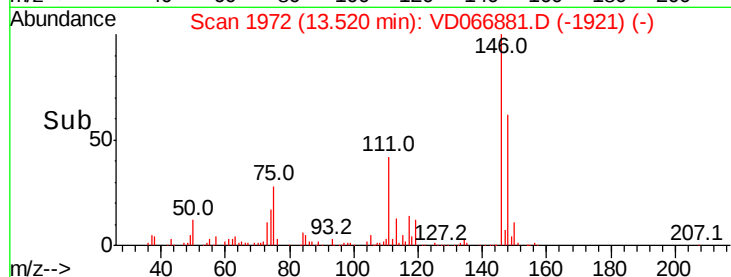
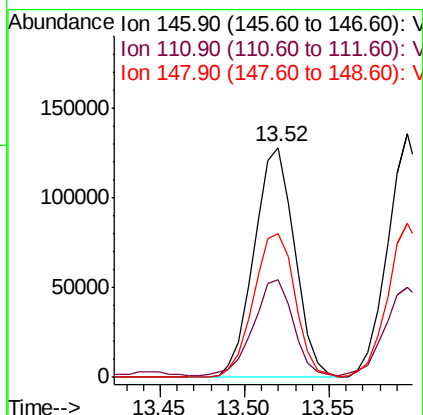
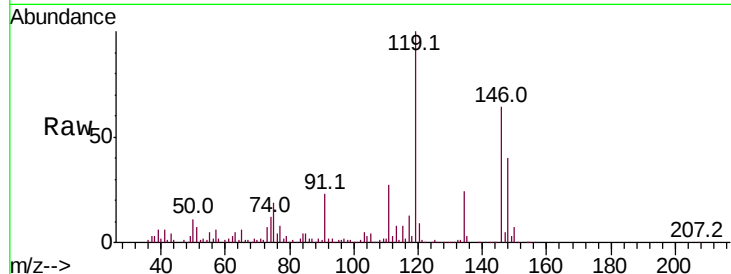
Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion:146 Resp: 214028

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	64.1	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 46.428 ug/l

RT: 13.60 min Scan# 1985

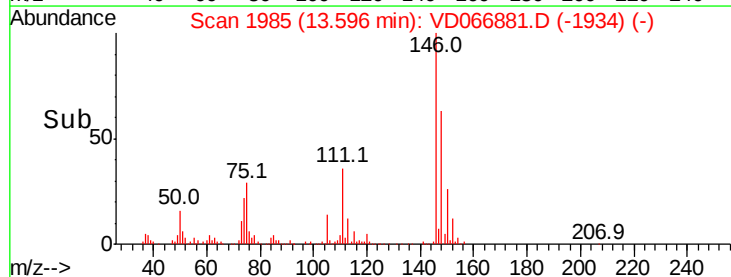
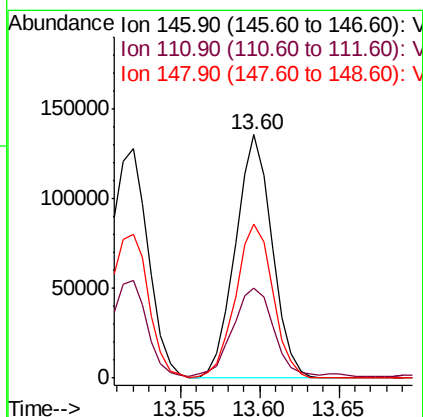
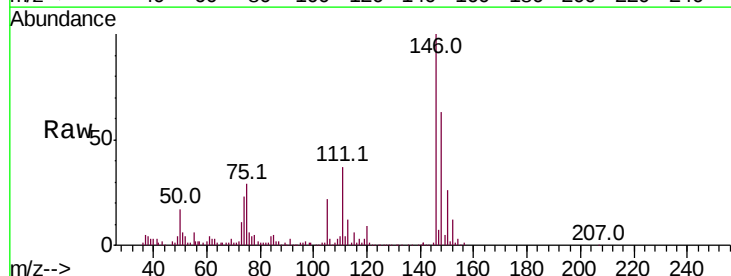
Delta R.T. -0.00 min

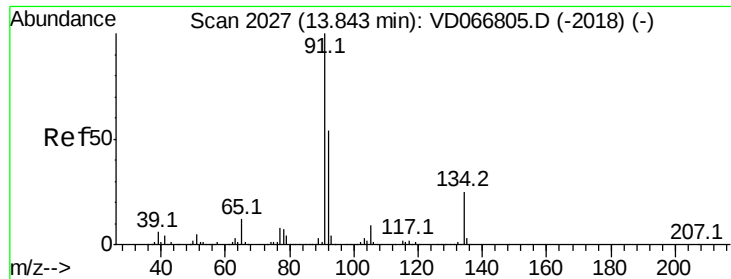
Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Tgt Ion:146 Resp: 218058

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.5
148	64.5	31.6	94.7

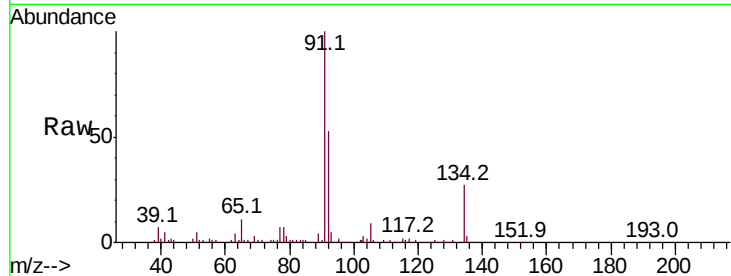




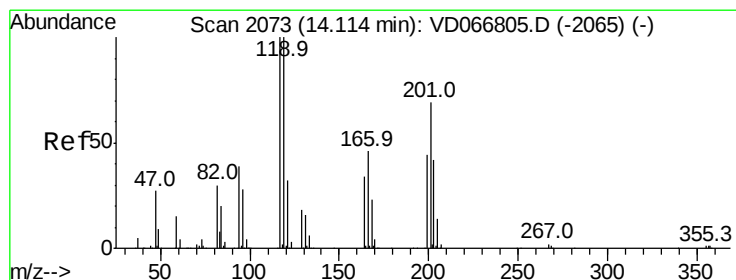
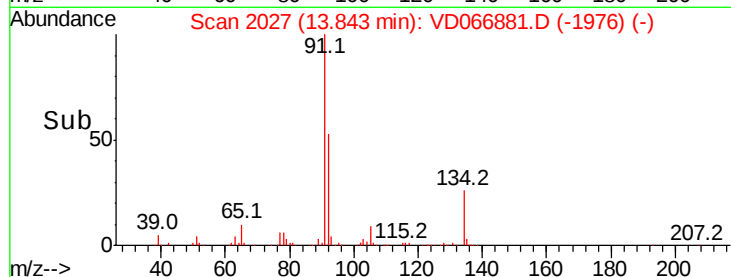
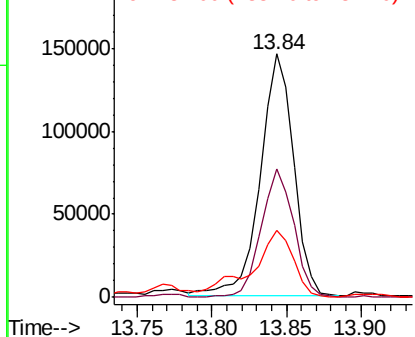
#89
n-Butylbenzene
Concen: 25.644 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MSD

Tot Ion: 91 Resp: 225445
Ion Ratio Lower Upper
91 100
92 51.5 26.7 80.0
134 34.1 13.1 39.1

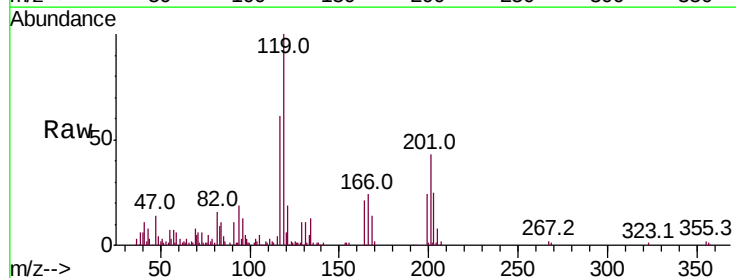


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

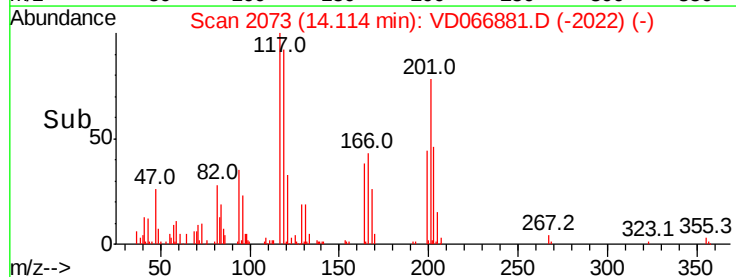
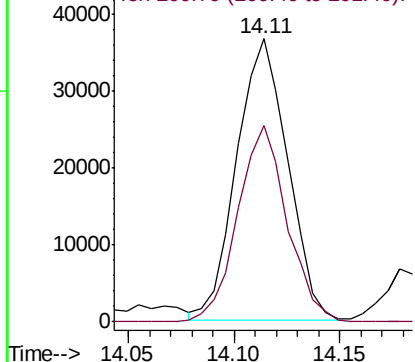


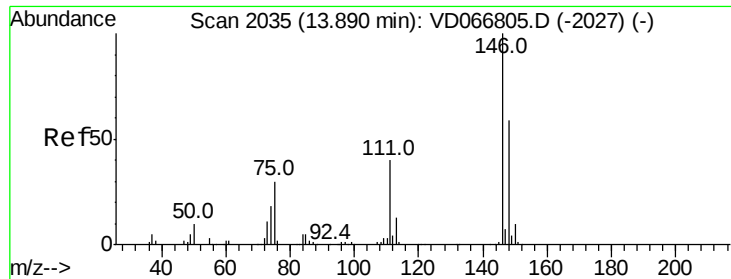
#90
Hexachloroethane
Concen: 32.798 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066881.D
Acq: 25 Sep 2020 18:28

Tgt Ion: 117 Resp: 61589
Ion Ratio Lower Upper
117 100
201 67.4 33.7 101.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

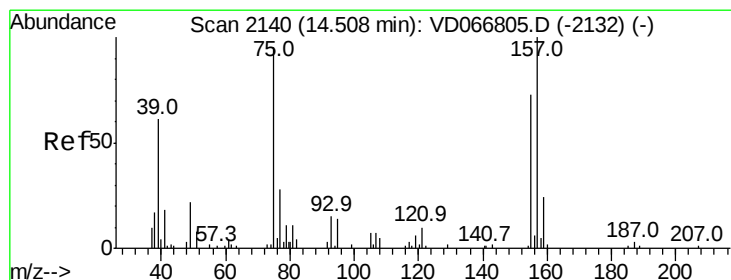
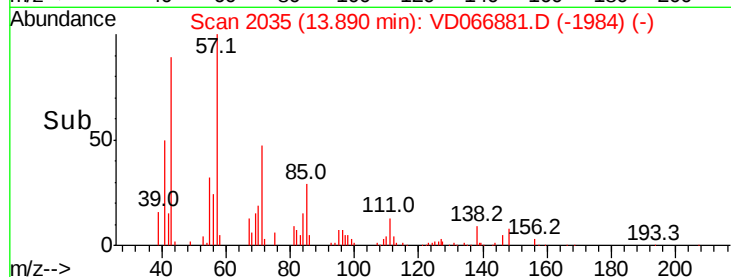
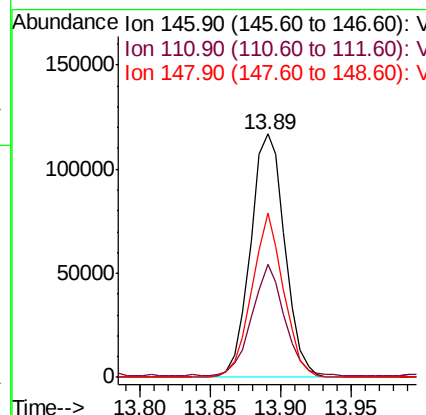
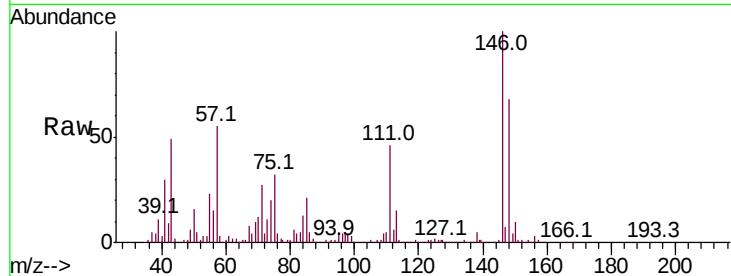




#91
 1,2-Dichlorobenzene
 Concen: 49.259 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

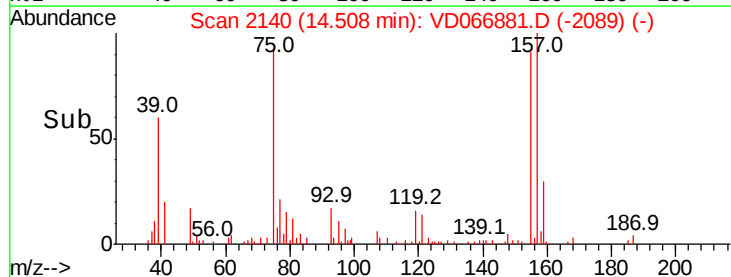
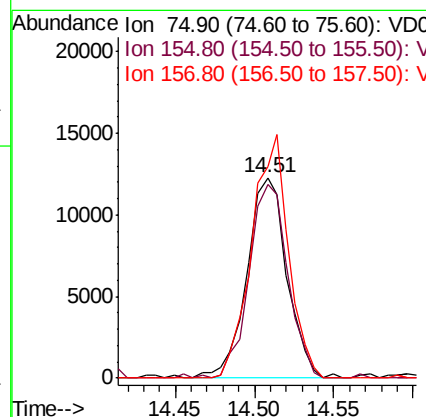
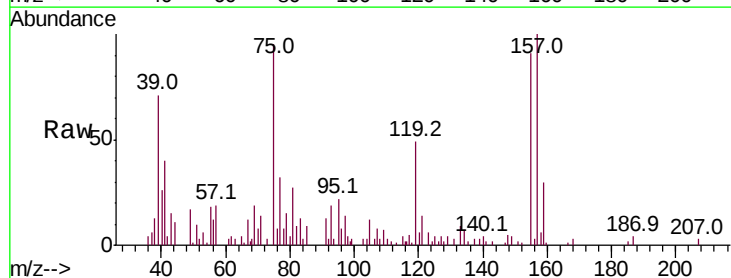
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

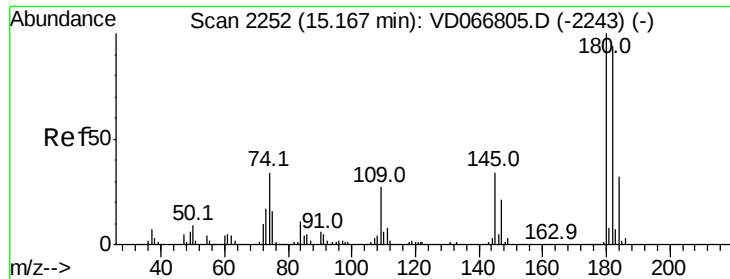
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.9	62.7
148	62.4	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 75.834 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	40.4	121.2
157	111.4	51.3	153.9

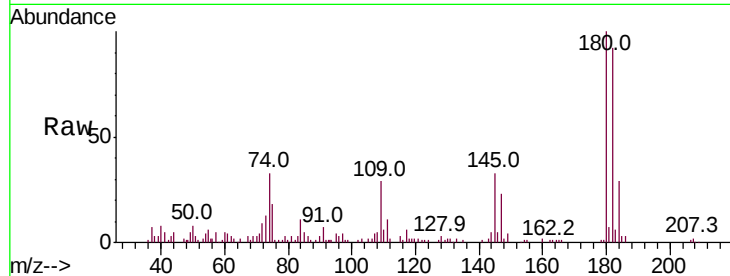




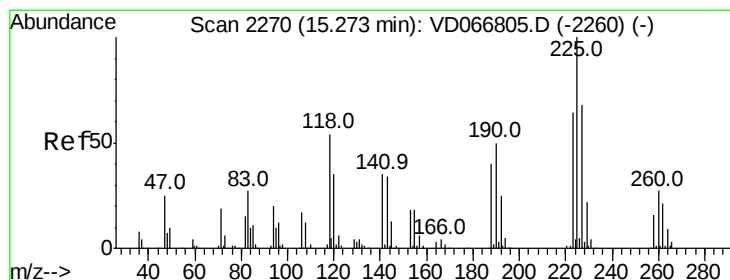
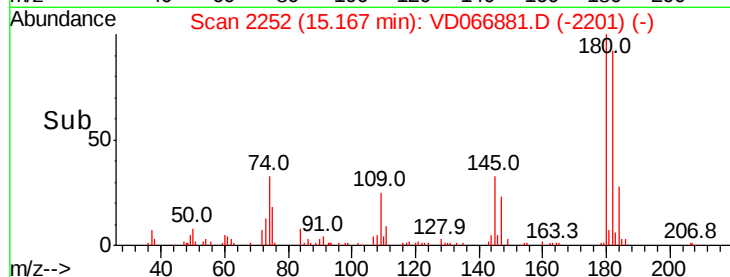
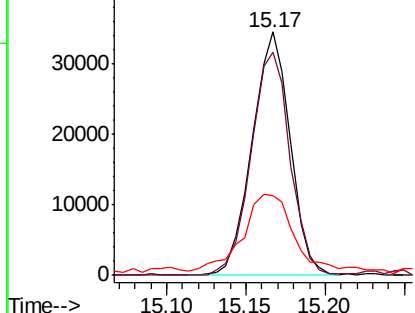
#93
 1,2,4-Trichlorobenzene
 Concen: 22.564 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.8	146.3
145	47.8	16.7	50.0

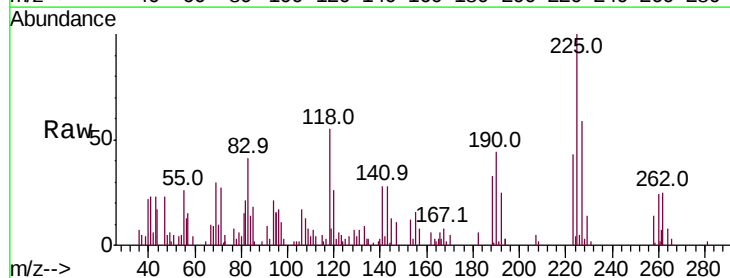


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

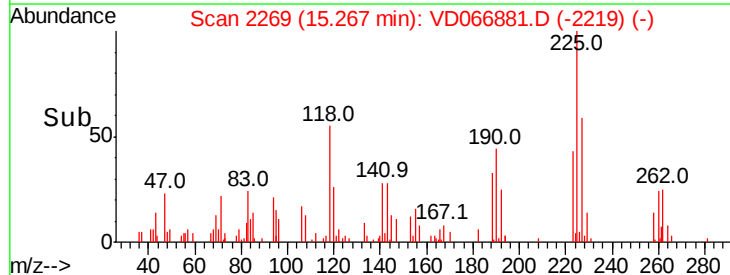
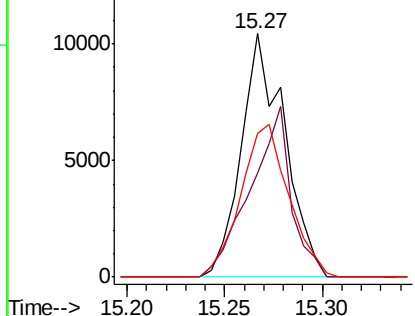


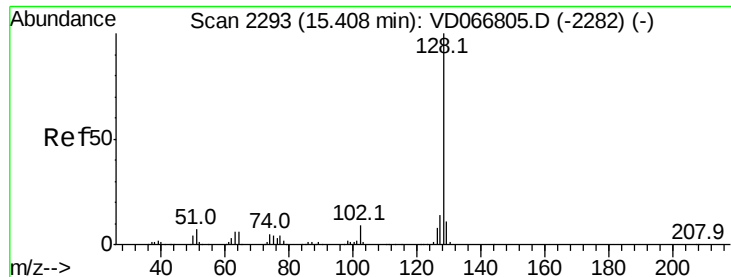
#94
 Hexachlorobutadiene
 Concen: 10.523 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD066881.D
 Acq: 25 Sep 2020 18:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	31.1	93.3
227	69.9	31.7	95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 56.684 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MSD

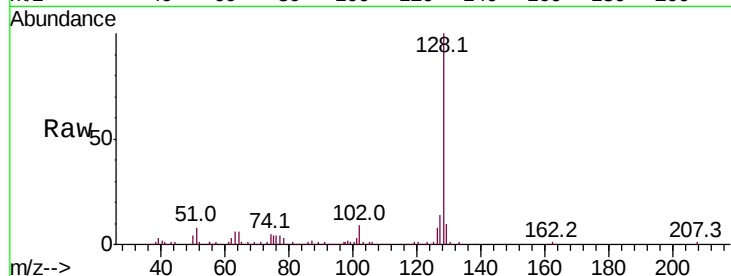
Tot Ion:128 Resp: 245094

Ion Ratio Lower Upper

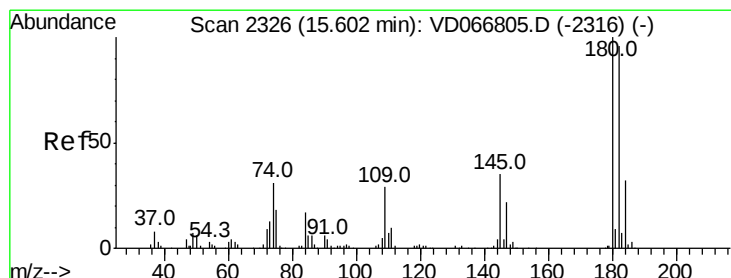
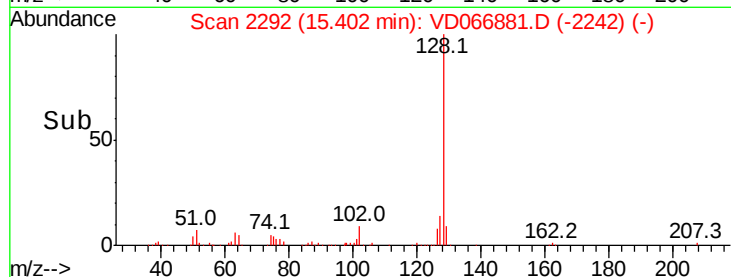
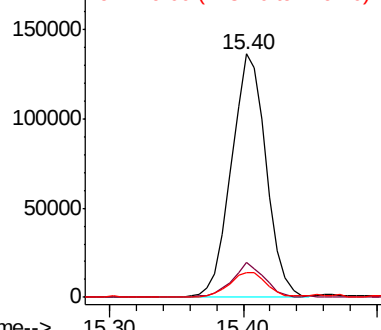
128 100

127 13.4 10.6 16.0

129 11.2 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.742 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066881.D

Acq: 25 Sep 2020 18:28

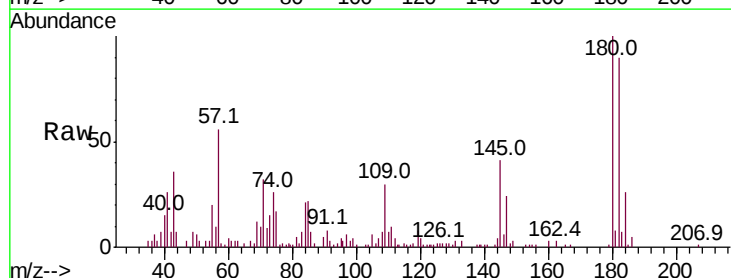
Tgt Ion:180 Resp: 49991

Ion Ratio Lower Upper

180 100

182 96.2 46.8 140.3

145 52.4 17.0 51.0#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

