

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066859.D
 Acq On : 24 Sep 2020 18:56
 Operator : VA/SY
 Sample : L4127-04MS
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Sep 25 01:11:00 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	304491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	519455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	406780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	163307	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.91	113	164358	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	502625	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	
62) 4-Bromofluorobenzene	12.63	95	143141	37.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114541	54.468	ug/l	92
3) Chloromethane	2.21	50	150550	53.813	ug/l	95
4) Vinyl Chloride	2.35	62	144898	52.425	ug/l	93
5) Bromomethane	2.77	94	107166	55.164	ug/l	96
6) Chloroethane	2.93	64	94919	55.302	ug/l	98
7) Trichlorofluoromethane	3.27	101	274015	48.274	ug/l	100
8) Diethyl Ether	3.71	74	87312	60.589	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	138250	42.003	ug/l	99
10) Methyl Iodide	4.30	142	149600	51.506	ug/l	98
11) Tert butyl alcohol	5.22	59	46615	261.023	ug/l	99
12) 1,1-Dichloroethene	4.07	96	155180	52.045	ug/l	99
13) Acrolein	3.92	56	51056	232.230	ug/l	97
14) Allyl chloride	4.71	41	249056	56.885	ug/l	98
15) Acrylonitrile	5.42	53	174269	272.886	ug/l	100
16) Acetone	4.16	43	179174	283.409	ug/l	100
17) Carbon Disulfide	4.41	76	436252	47.857	ug/l	98
18) Methyl Acetate	4.72	43	121595	89.033	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	398790	61.588	ug/l	99
20) Methylene Chloride	4.97	84	228685	69.266	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	186868	54.127	ug/l	90
22) Diisopropyl ether	6.36	45	562914	62.531	ug/l	98
23) Vinyl Acetate	6.31	43	794006	163.391	ug/l	97
24) 1,1-Dichloroethane	6.27	63	337153	55.984	ug/l #	98
25) 2-Butanone	7.21	43	202600	266.668	ug/l	98
26) 2,2-Dichloropropane	7.21	77	274083	49.655	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	214246	57.115	ug/l	99
28) Bromochloromethane	7.55	49	150333	60.424	ug/l	98
29) Tetrahydrofuran	7.56	42	136315	280.018	ug/l	97
30) Chloroform	7.71	83	362306	55.811	ug/l	99
31) Cyclohexane	7.98	56	161415	29.788	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	291827	49.694	ug/l	100
36) 1,1-Dichloropropene	8.11	75	221100	42.904	ug/l	99
37) Ethyl Acetate	7.29	43	90377	48.511	ug/l	98
38) Carbon Tetrachloride	8.10	117	237320	42.122	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	118945	20.103	ug/l	92
40) Benzene	8.35	78	731982	50.965	ug/l	96
41) Methacrylonitrile	7.56	41	140506	122.639	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	214746	50.577	ug/l	99
43) Isopropyl Acetate	8.45	43	177848	49.515	ug/l	99
44) Trichloroethene	9.11	130	181478	44.330	ug/l	100
45) 1,2-Dichloropropane	9.38	63	186910	51.724	ug/l	99
46) Dibromomethane	9.47	93	100591	51.234	ug/l	99
47) Bromodichloromethane	9.66	83	269581	51.113	ug/l	99
48) Methyl methacrylate	9.46	41	101465	57.296	ug/l	93
49) 1,4-Dioxane	9.46	88	26544	1214.412	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	484702	266.324	ug/l	98
52) Toluene	10.40	92	419682	45.364	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	220988	49.228	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	274506	50.150	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	145735	53.995	ug/l	94
56) Ethyl methacrylate	10.66	69	160018	55.342	ug/l	96
57) 1,3-Dichloropropane	10.94	76	221157	49.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	340469	248.683	ug/l	99
59) 2-Hexanone	10.98	43	347537	283.162	ug/l	98
60) Dibromochloromethane	11.14	129	166558	47.282	ug/l	99
61) 1,2-Dibromoethane	11.24	107	122934	48.968	ug/l	96
64) Tetrachloroethene	10.87	164	127651	43.626	ug/l	97
65) Chlorobenzene	11.67	112	399764	47.212	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	167183	52.168	ug/l	99
67) Ethyl Benzene	11.74	91	662492	44.548	ug/l	98
68) m/p-Xylenes	11.85	106	511669	90.875	ug/l	99
69) o-Xylene	12.18	106	255649	50.213	ug/l	99
70) Styrene	12.20	104	405792	45.896	ug/l	99
71) Bromoform	12.36	173	81648	50.320	ug/l #	100
73) Isopropylbenzene	12.48	105	490606	55.117	ug/l	99
74) N-amyl acetate	12.28	43	186515	107.300	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.73	83	117839	76.721	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	156906	153.660	ug/l #	100
77) Bromobenzene	12.76	156	137654	66.123	ug/l	99
78) n-propylbenzene	12.82	91	496656	46.379	ug/l	99
79) 2-Chlorotoluene	12.91	91	335958	55.054	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	448640	59.401	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34241	83.896	ug/l	93
82) 4-Chlorotoluene	13.01	91	323193	50.242	ug/l	99
83) tert-Butylbenzene	13.23	119	273191	44.018	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	551464	73.633	ug/l	100
85) sec-Butylbenzene	13.40	105	298666	33.465	ug/l	99
86) p-Isopropyltoluene	13.52	119	295000	36.670	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	172331	41.900	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	175337	42.923	ug/l	96
89) n-Butylbenzene	13.84	91	222760	29.133	ug/l	92
90) Hexachloroethane	14.11	117	59069	36.167	ug/l	86
91) 1,2-Dichlorobenzene	13.89	146	160807	45.700	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18234	73.798	ug/l	88

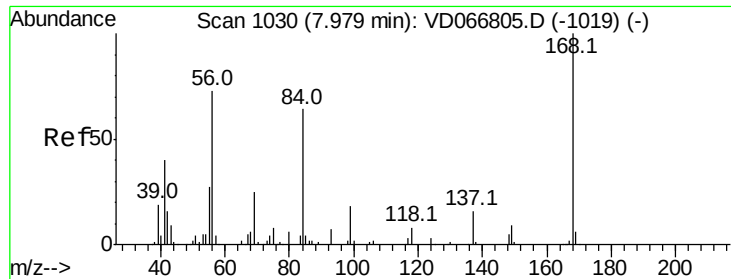
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	47315	21.360	ug/l #	79
94) Hexachlorobutadiene	15.27	225	13508	10.176	ug/l	94
95) Naphthalene	15.41	128	250171	66.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	41387	21.647	ug/l #	68

(#) = 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: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

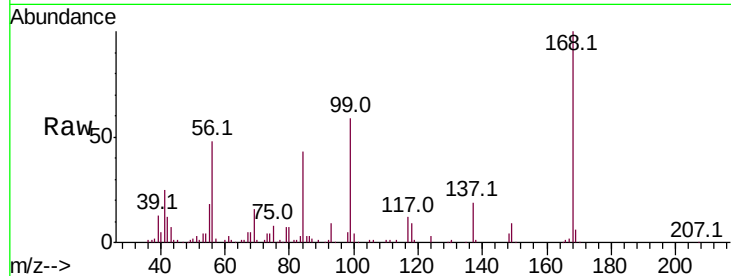
B-2(4-5)MS

Tot Ion:168 Resp: 304491

Ion Ratio Lower Upper

168 100

99 58.5 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

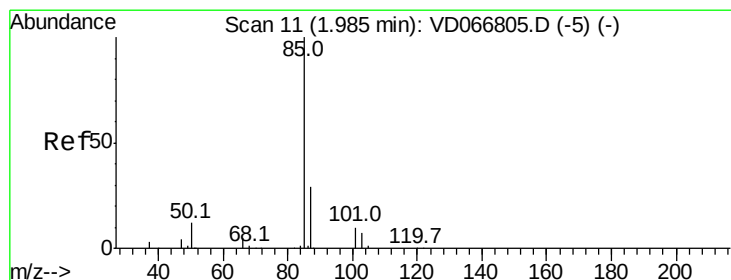
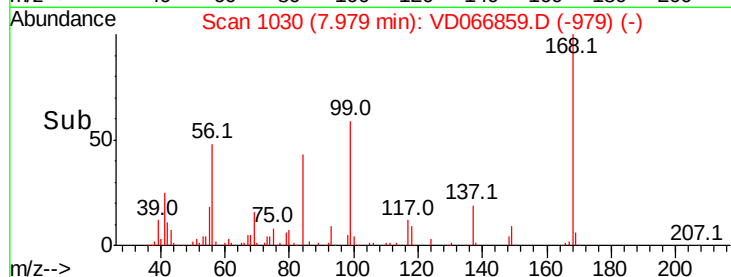
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.468 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066859.D

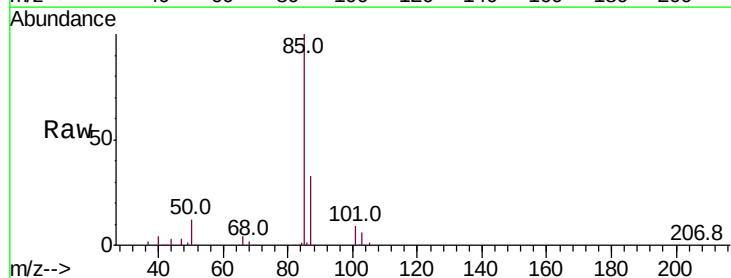
Acq: 24 Sep 2020 18:56

Tgt Ion: 85 Resp: 114541

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

80000

60000

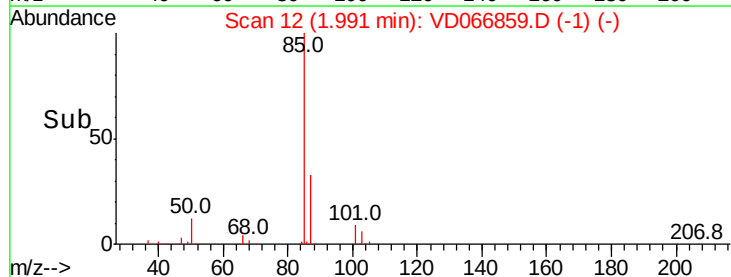
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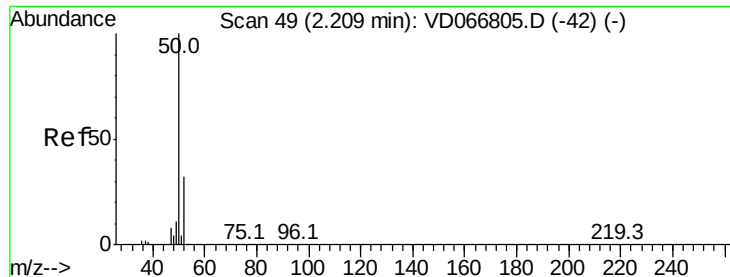
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 53.813 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

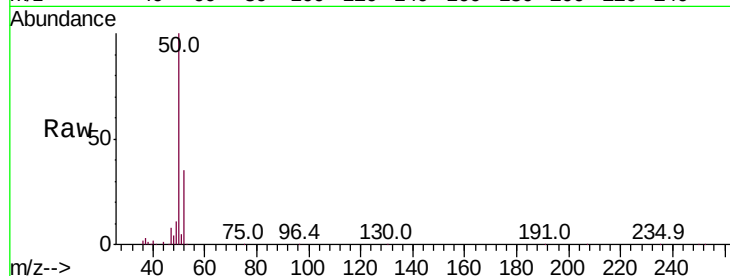
B-2(4-5)MS

Tot Ion: 50 Resp: 150550

Ion Ratio Lower Upper

50 100

52 34.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

120000

100000

80000

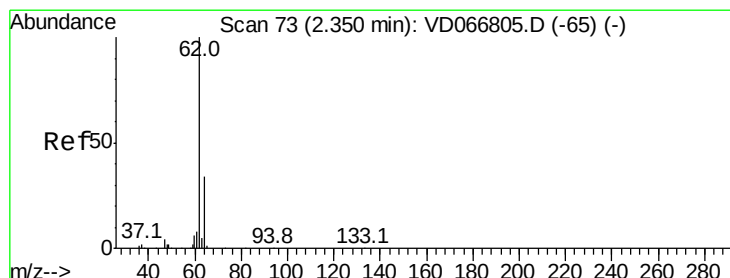
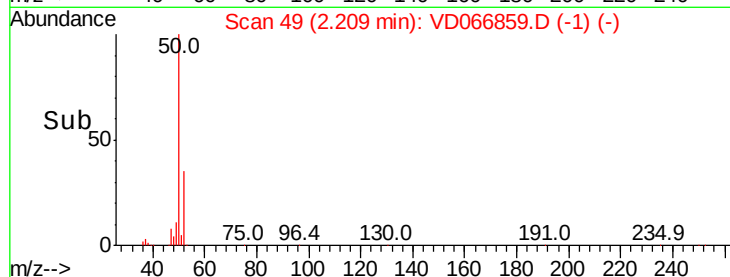
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 52.425 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066859.D

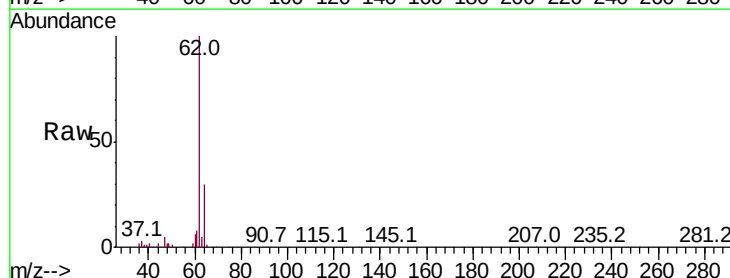
Acq: 24 Sep 2020 18:56

Tgt Ion: 62 Resp: 144898

Ion Ratio Lower Upper

62 100

64 29.9 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

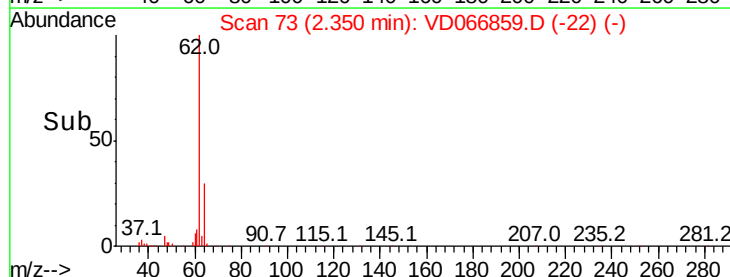
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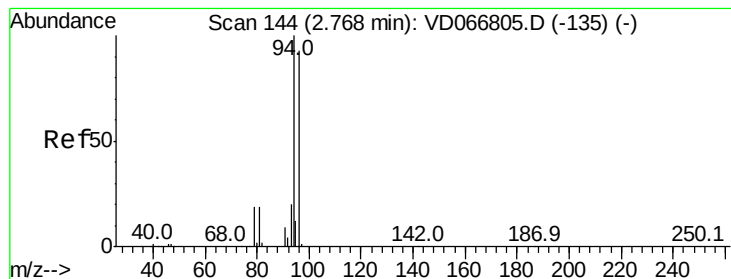
40000

20000

0

Time-->





#5

Bromomethane

Concen: 55.164 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

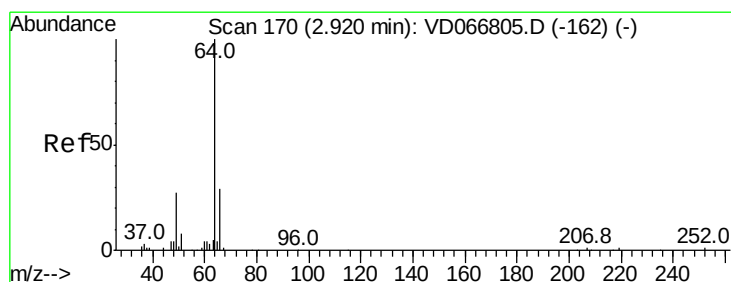
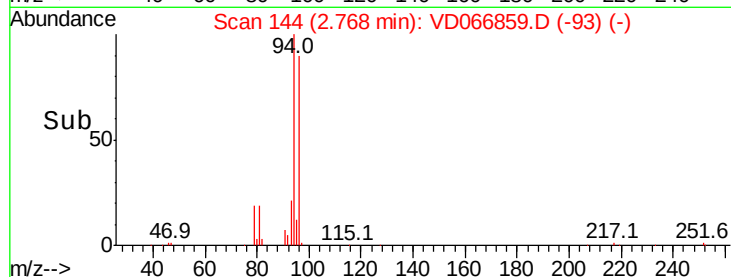
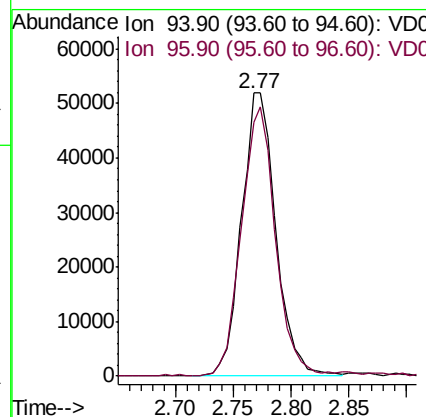
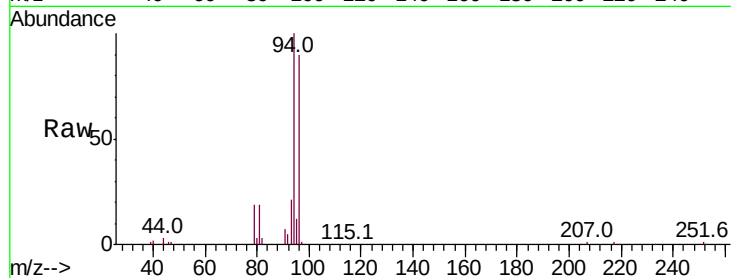
B-2(4-5)MS

Tot Ion: 94 Resp: 107166

Ion Ratio Lower Upper

94 100

96 89.4 74.3 111.5



#6

Chloroethane

Concen: 55.302 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066859.D

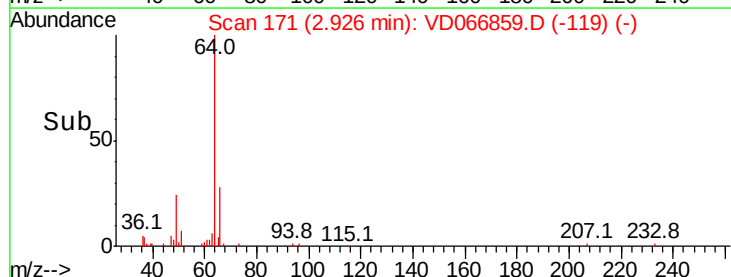
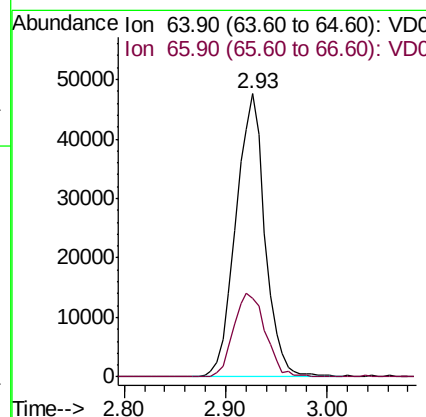
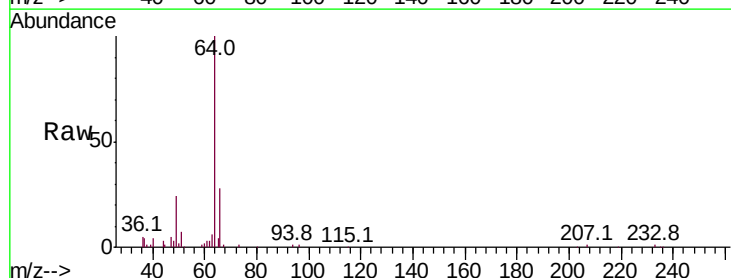
Acq: 24 Sep 2020 18:56

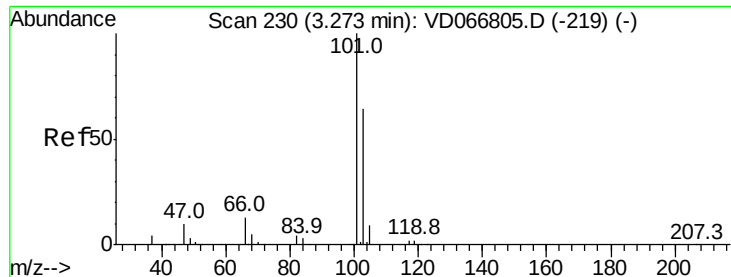
Tgt Ion: 64 Resp: 94919

Ion Ratio Lower Upper

64 100

66 28.0 23.3 34.9



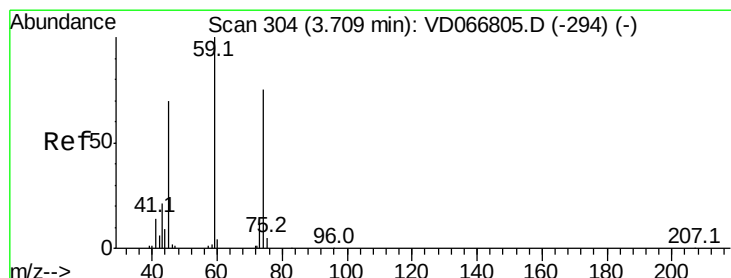
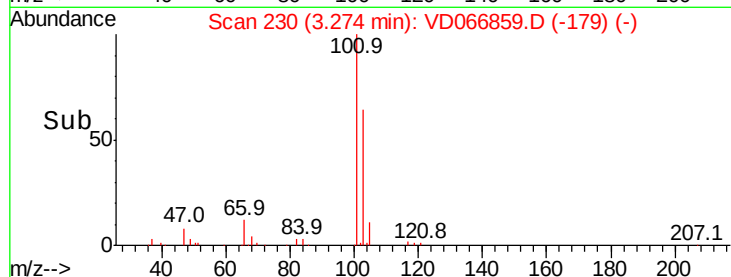
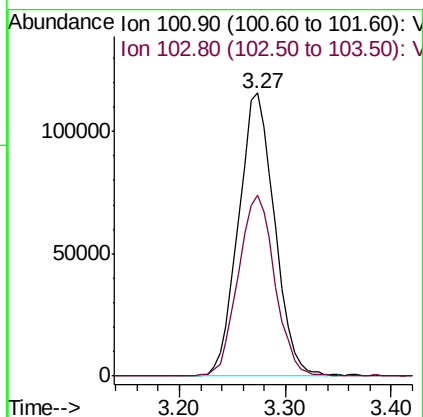
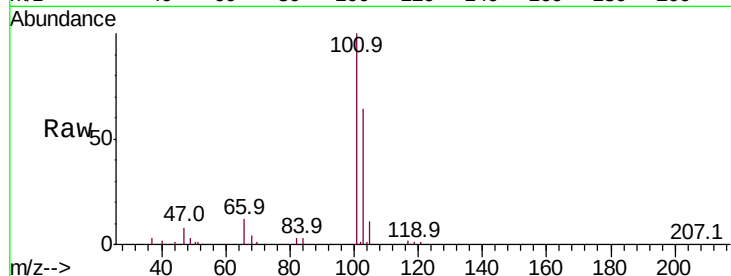


#7

Trichlorofluoromethane
 Concen: 48.274 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
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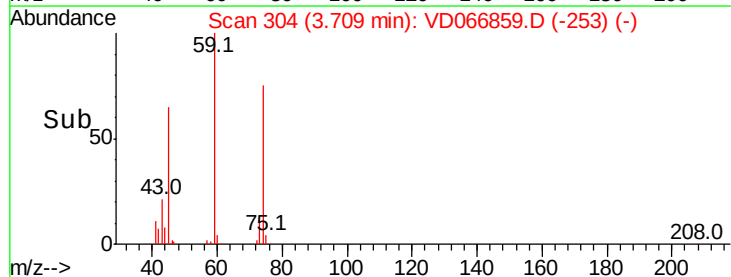
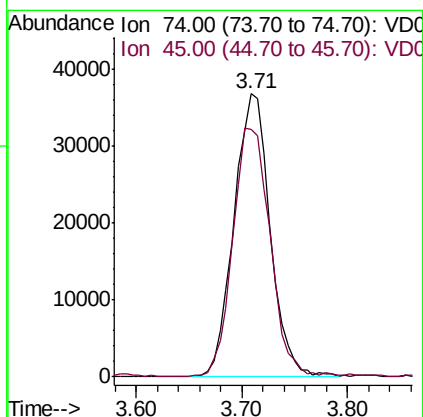
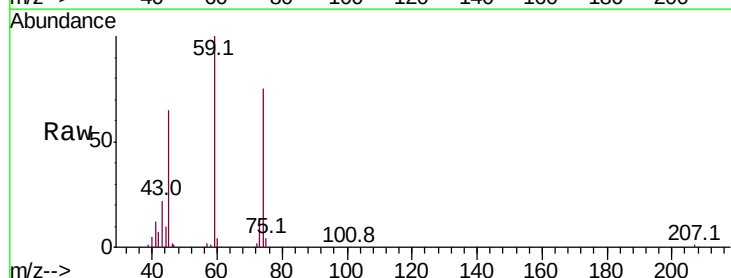
Tot Ion:101 Resp: 274015
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.0 76.6

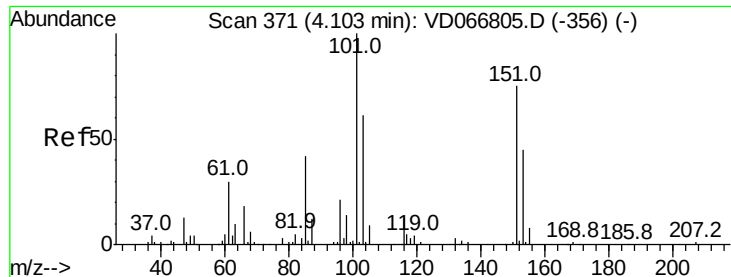


#8

Diethyl Ether
 Concen: 60.589 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion: 74 Resp: 87312
 Ion Ratio Lower Upper
 74 100
 45 91.4 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.003 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

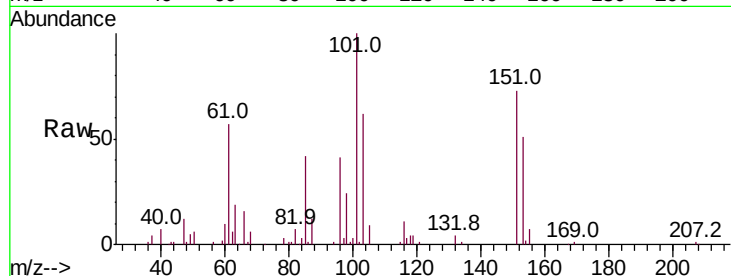
Tot Ion:101 Resp: 138250

Ion Ratio Lower Upper

101 100

85 43.2 35.4 53.2

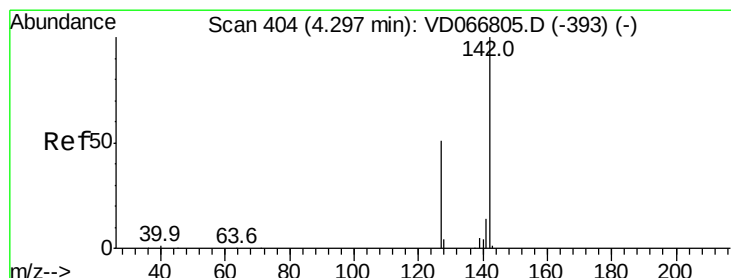
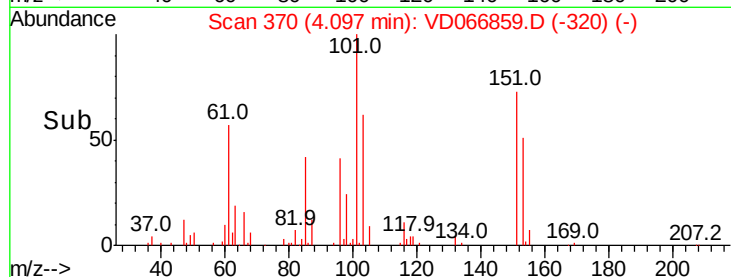
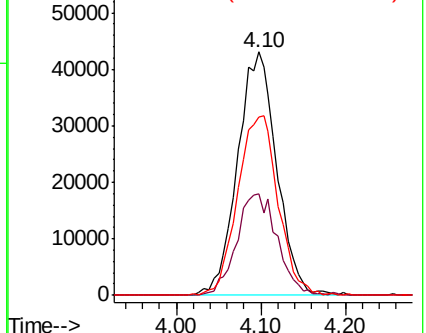
151 76.7 61.4 92.0



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: 51.506 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

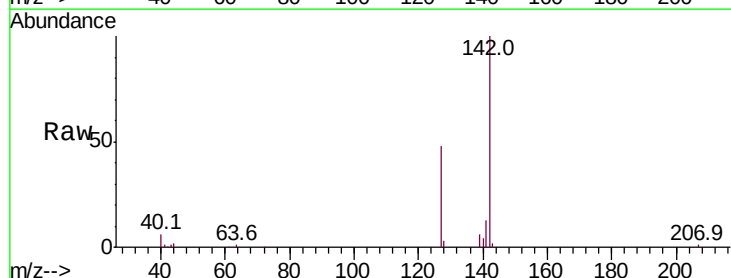
Tgt Ion:142 Resp: 149600

Ion Ratio Lower Upper

142 100

127 47.6 39.4 59.0

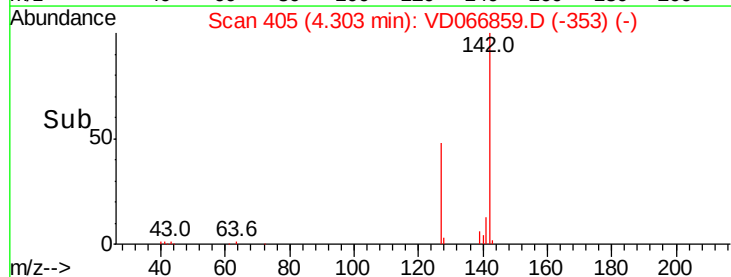
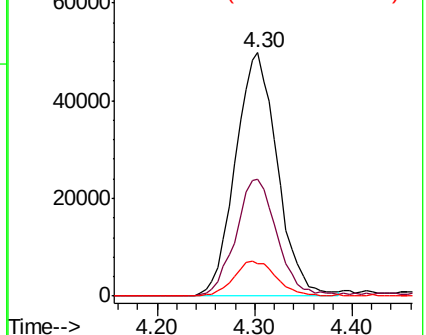
141 14.5 12.1 18.1

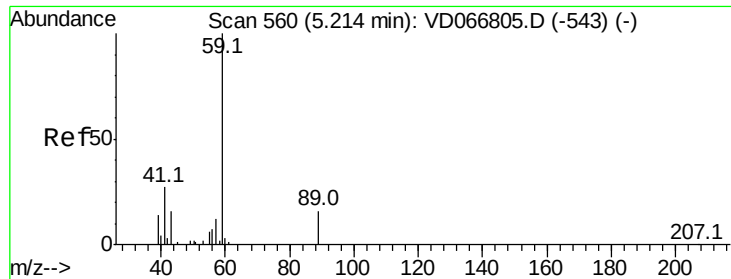


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



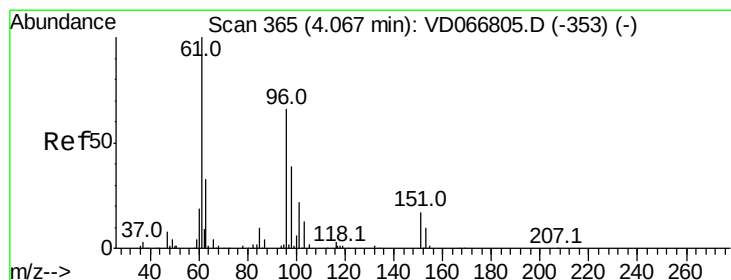
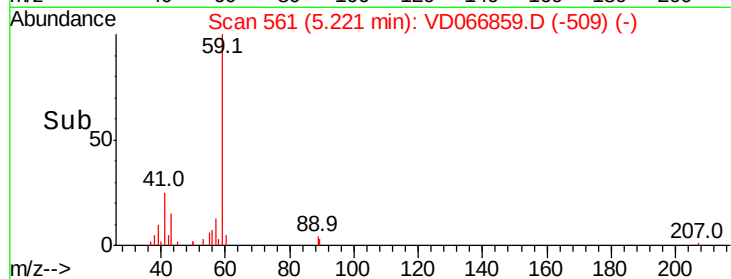
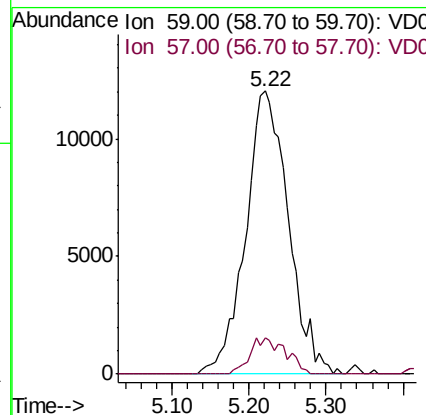
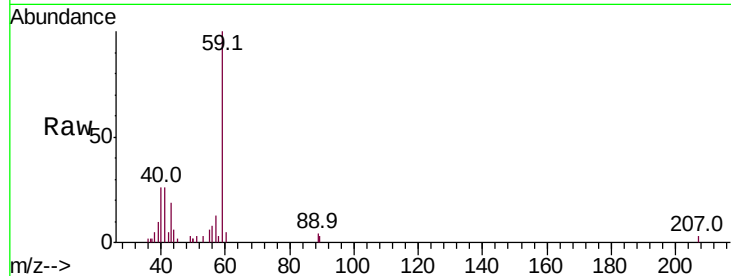


#11

Tert butyl alcohol
 Concen: 261.023 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Instrument :
 MSVOA_D
 ClientSampled :
 B-2(4-5)MS

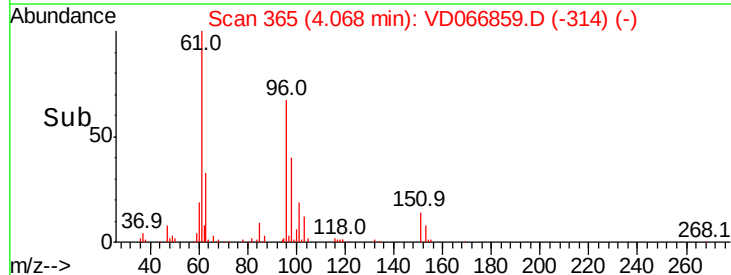
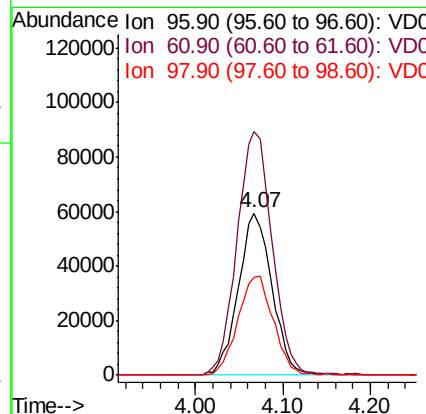
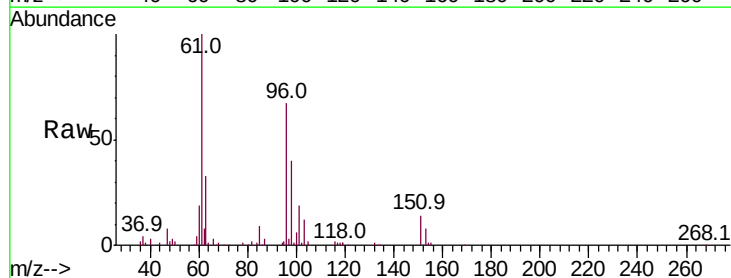
Tot Ion: 59 Resp: 46615
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.3 12.5

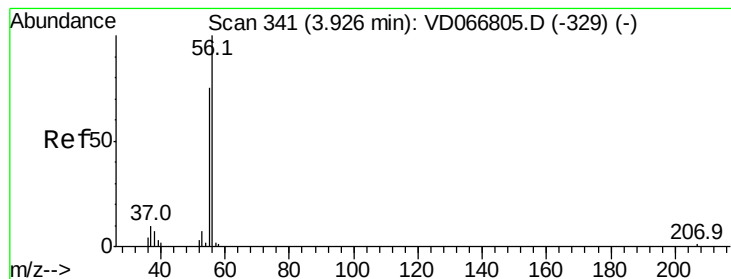


#12

1,1-Dichloroethene
 Concen: 52.045 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion: 96 Resp: 155180
 Ion Ratio Lower Upper
 96 100
 61 150.1 120.8 181.2
 98 60.6 47.7 71.5





#13

Acrolein

Concen: 232.230 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

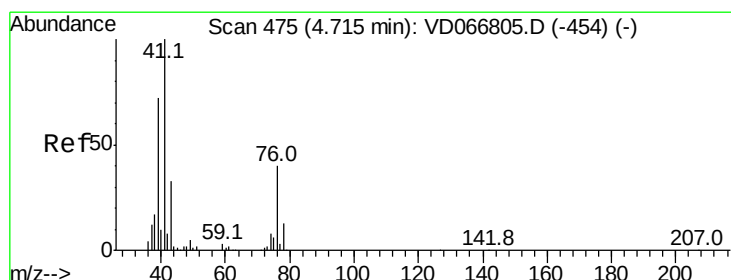
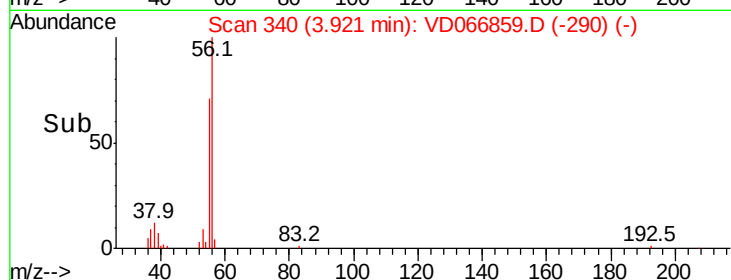
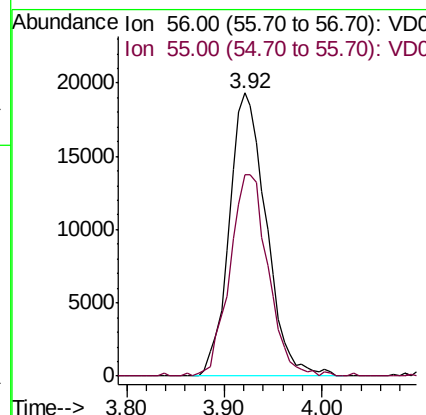
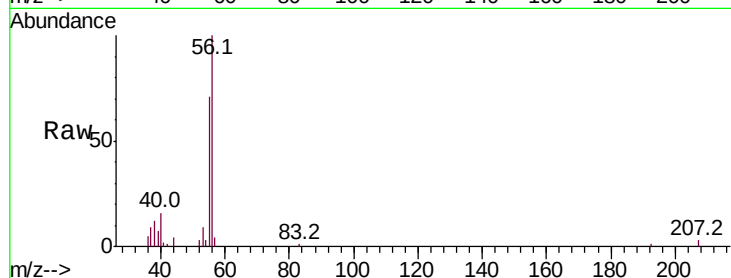
B-2(4-5)MS

Tot Ion: 56 Resp: 51056

Ion Ratio Lower Upper

56 100

55 73.2 60.3 90.5



#14

Allyl chloride

Concen: 56.885 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

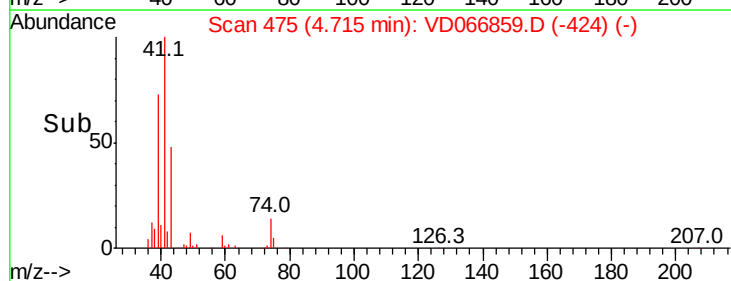
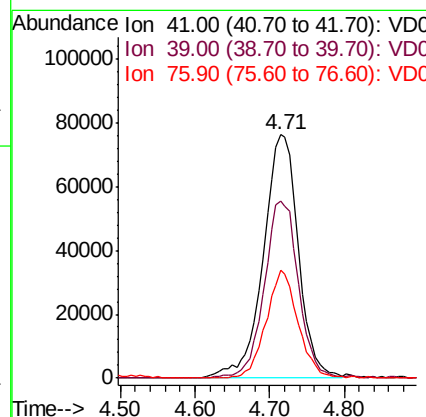
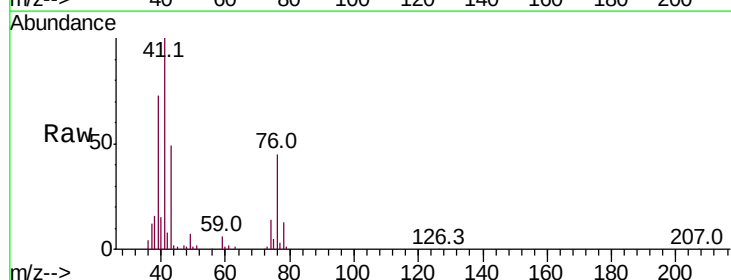
Tgt Ion: 41 Resp: 249056

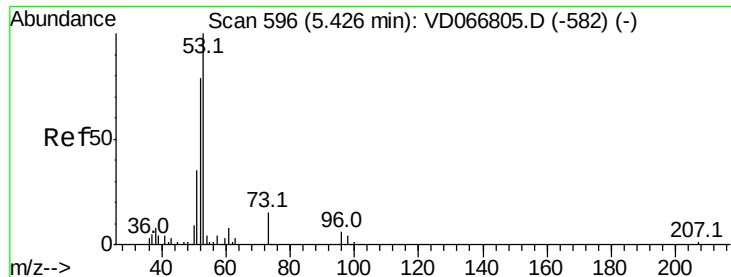
Ion Ratio Lower Upper

41 100

39 70.7 57.8 86.8

76 40.1 30.9 46.3





#15

Acrylonitrile

Concen: 272.886 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

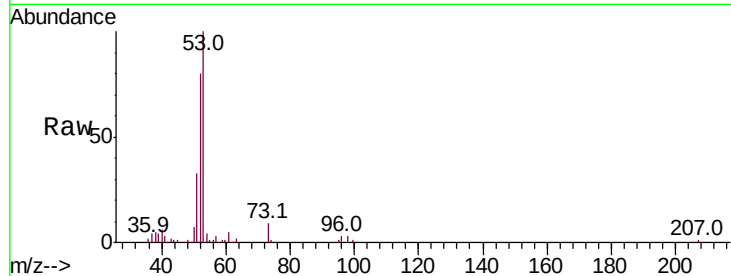
Tot Ion: 53 Resp: 174269

Ion Ratio Lower Upper

53 100

52 82.0 65.2 97.8

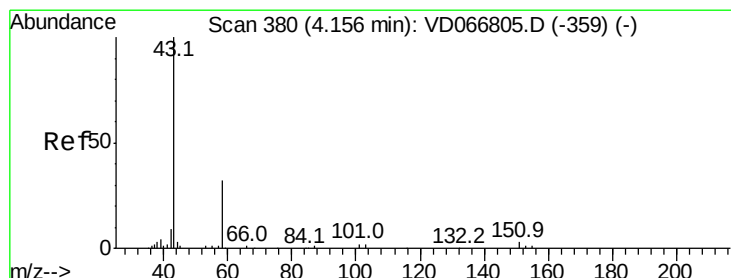
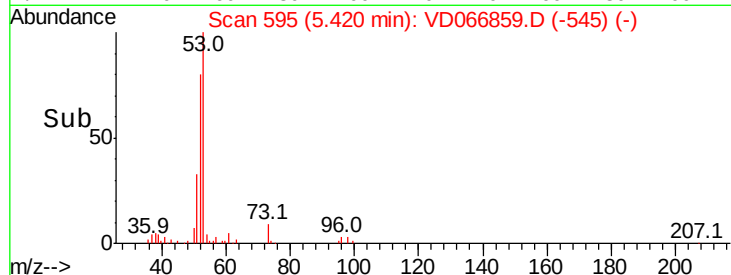
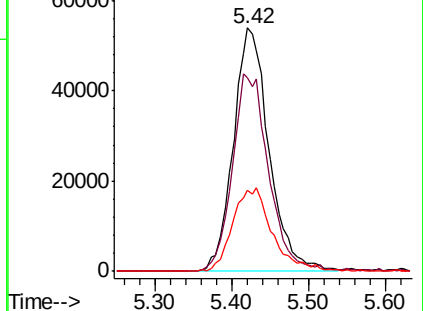
51 38.2 30.6 46.0



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: 283.409 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066859.D

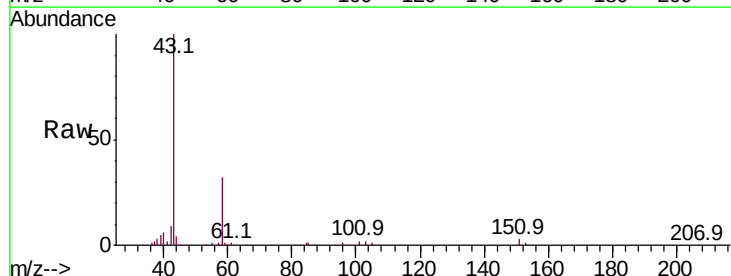
Acq: 24 Sep 2020 18:56

Tgt Ion: 43 Resp: 179174

Ion Ratio Lower Upper

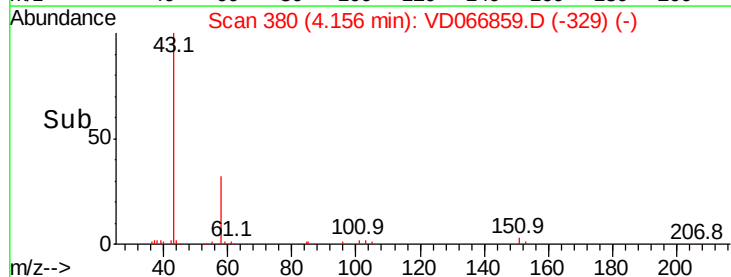
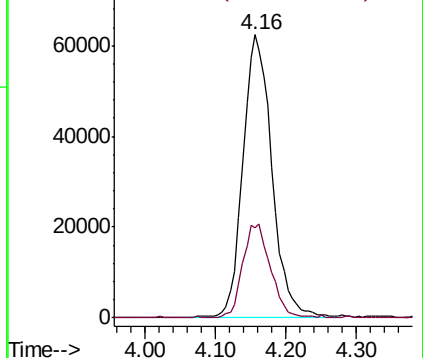
43 100

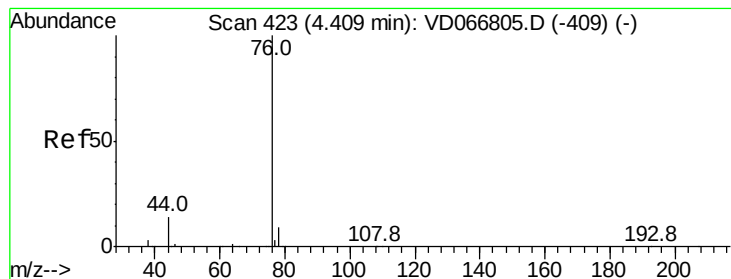
58 32.0 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 47.857 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

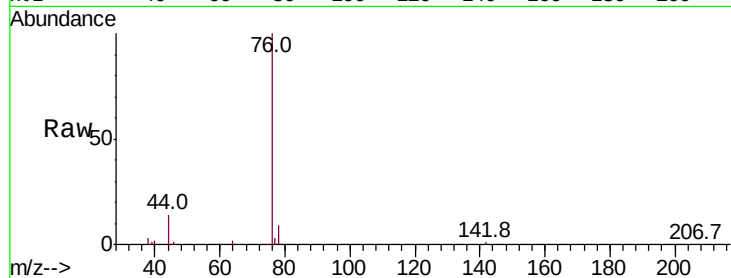
B-2(4-5)MS

Tot Ion: 76 Resp: 436252

Ion Ratio Lower Upper

76 100

78 8.9 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

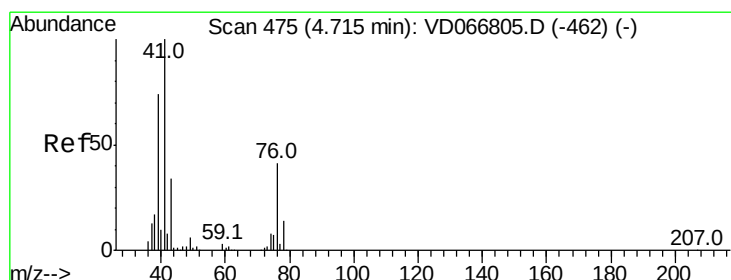
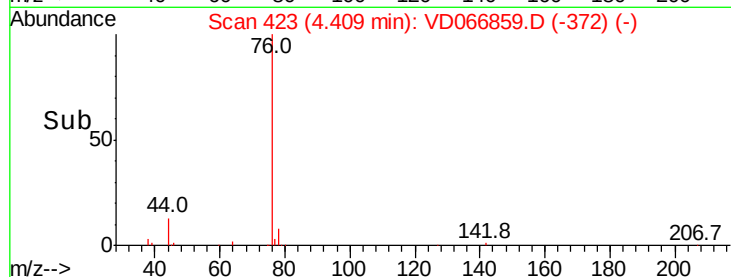
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 89.033 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066859.D

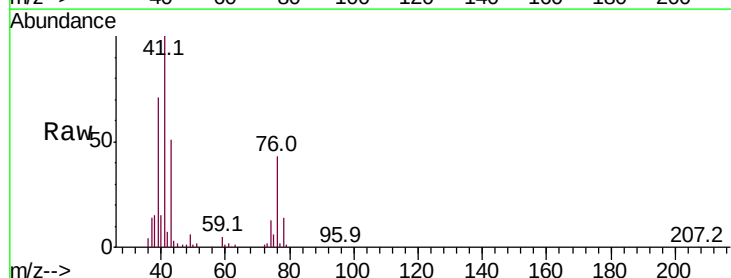
Acq: 24 Sep 2020 18:56

Tgt Ion: 43 Resp: 121595

Ion Ratio Lower Upper

43 100

74 26.6 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

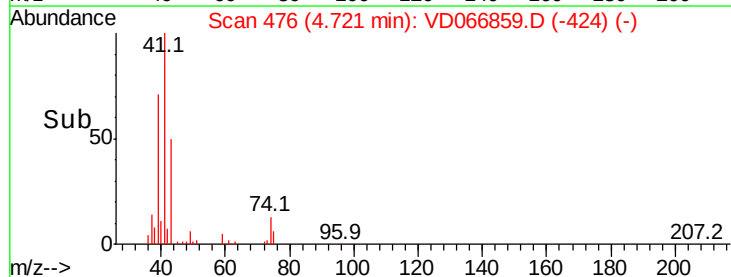
30000

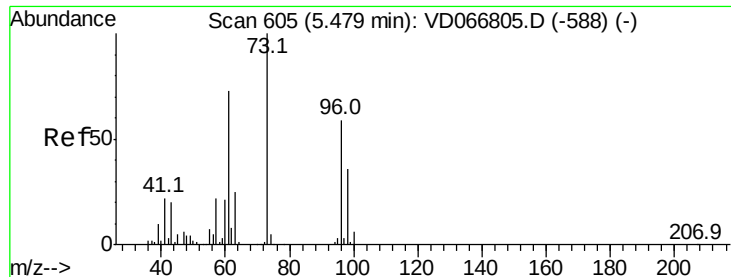
20000

10000

0

Time-->

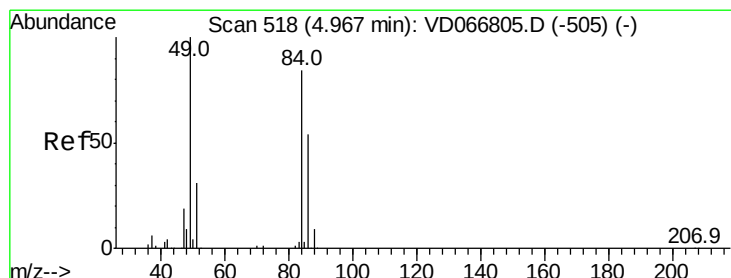
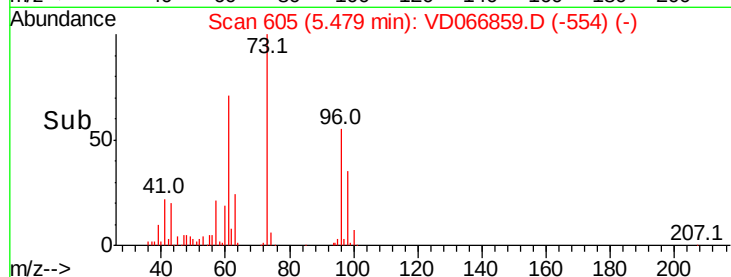
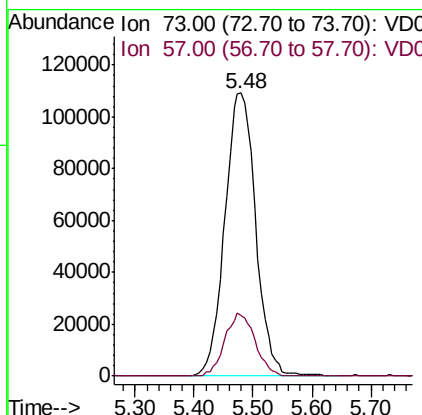
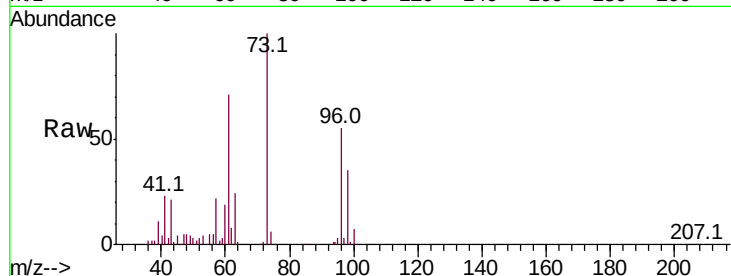




#19
Methyl tert-butyl Ether
Concen: 61.588 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

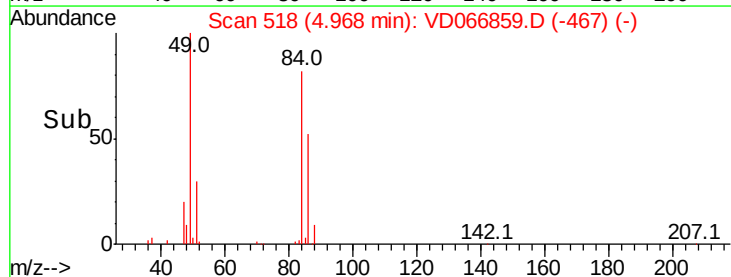
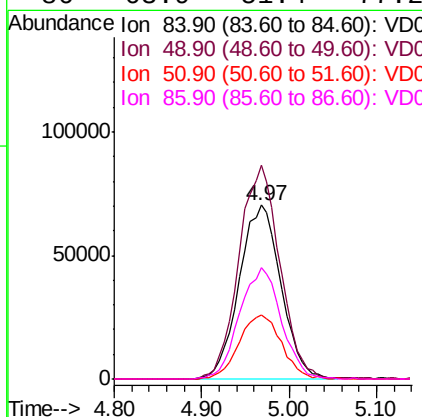
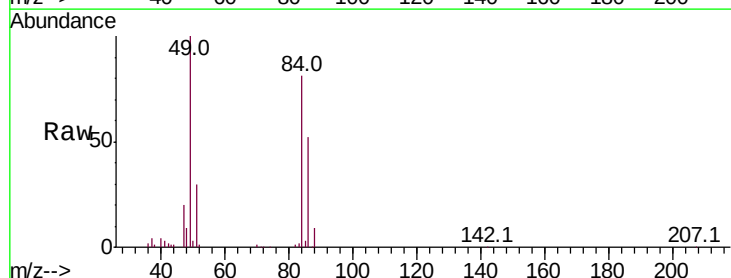
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

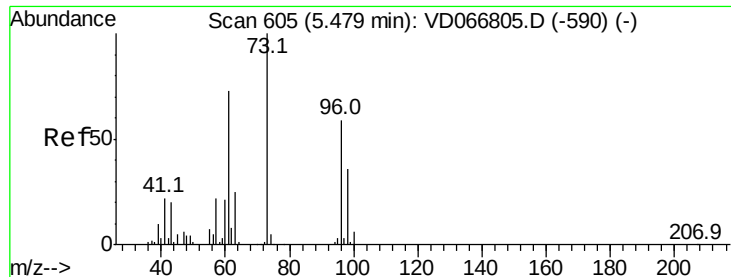
Tot Ion: 73 Resp: 398790
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2



#20
Methylene Chloride
Concen: 69.266 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion: 84 Resp: 228685
Ion Ratio Lower Upper
84 100
49 122.9 95.4 143.2
51 36.8 29.7 44.5
86 63.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 54.127 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampled :

B-2(4-5)MS

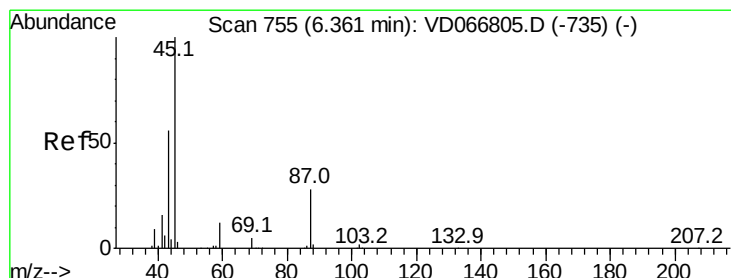
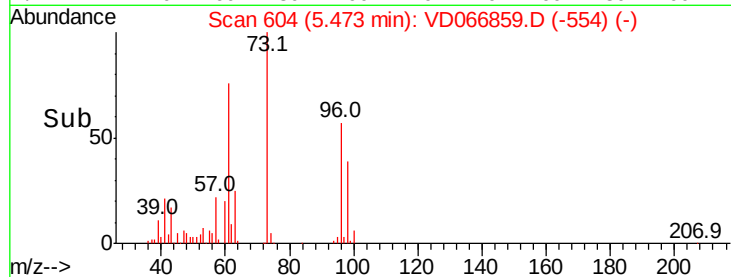
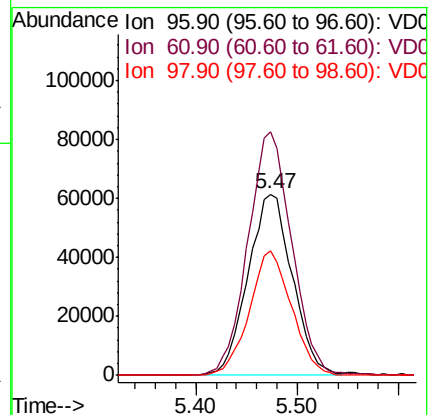
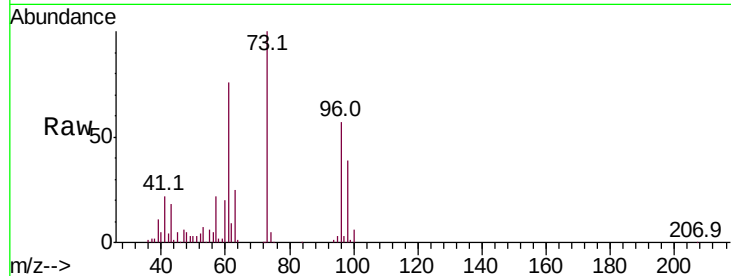
Tot Ion: 96 Resp: 186868

Ion Ratio Lower Upper

96 100

61 134.3 98.9 148.3

98 68.8 48.4 72.6



#22

Diisopropyl ether

Concen: 62.531 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion: 45 Resp: 562914

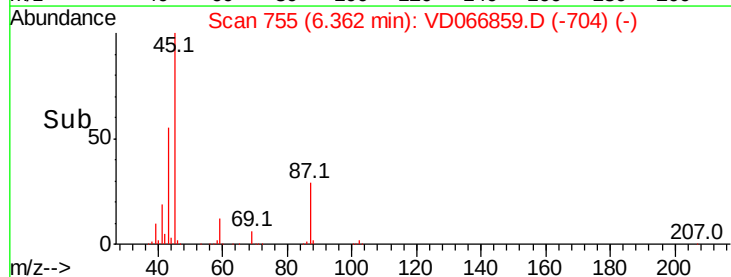
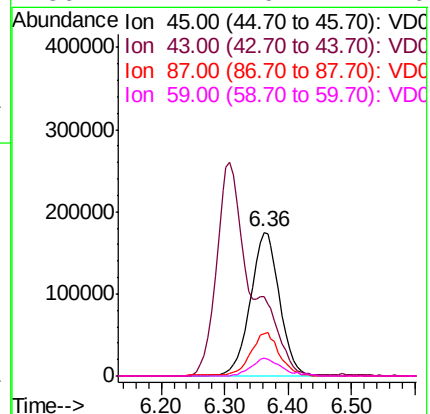
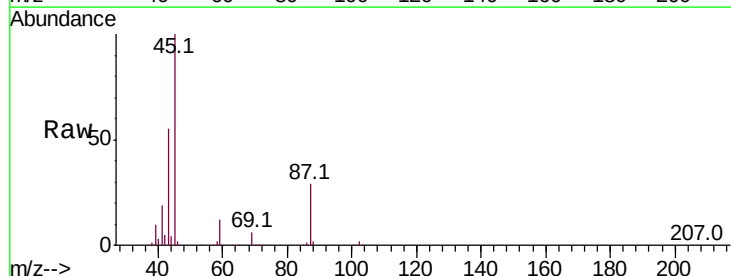
Ion Ratio Lower Upper

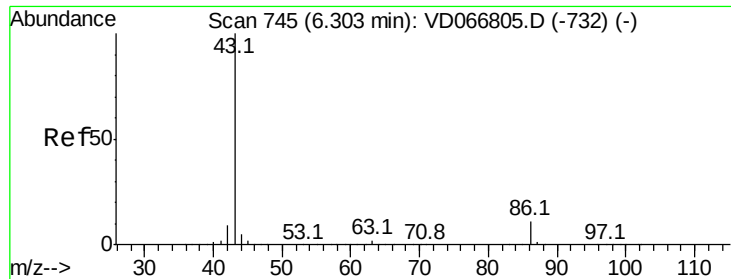
45 100

43 53.6 44.5 66.7

87 29.0 22.9 34.3

59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 163.391 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

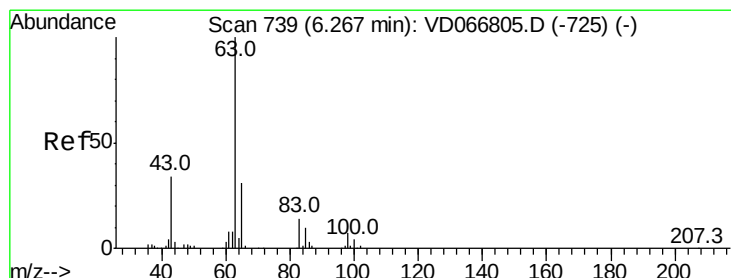
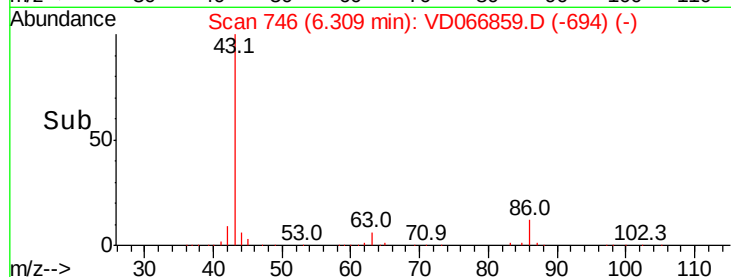
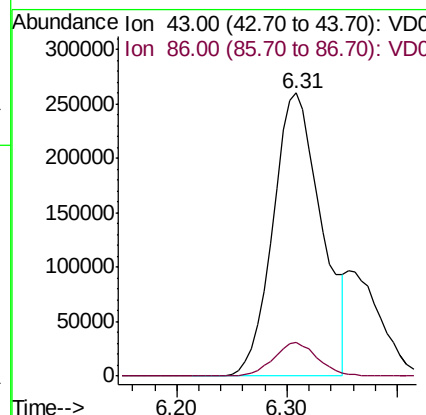
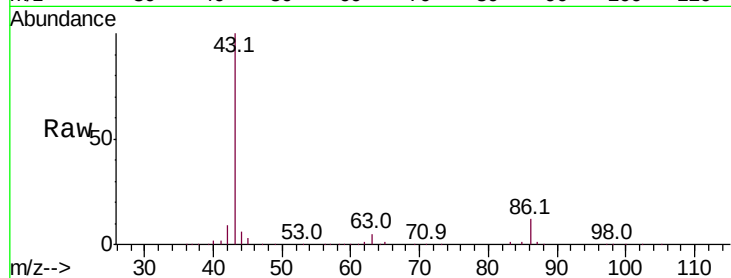
Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleID :
B-2(4-5)MS

Tot Ion: 43 Resp: 794006

Ion	Ratio	Lower	Upper
43	100		
86	12.1	8.9	13.3



#24

1,1-Dichloroethane

Concen: 55.984 ug/l

RT: 6.27 min Scan# 739

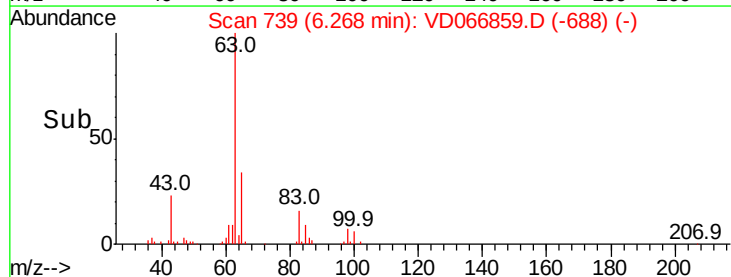
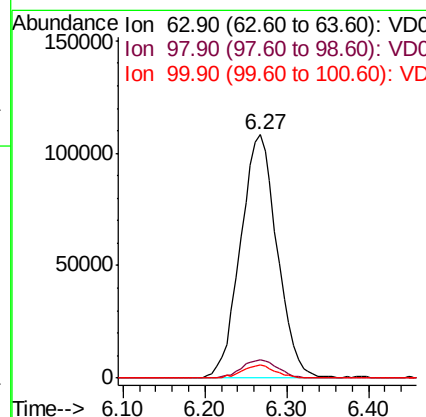
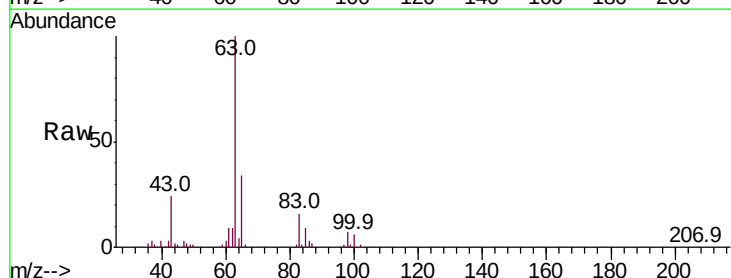
Delta R.T. 0.00 min

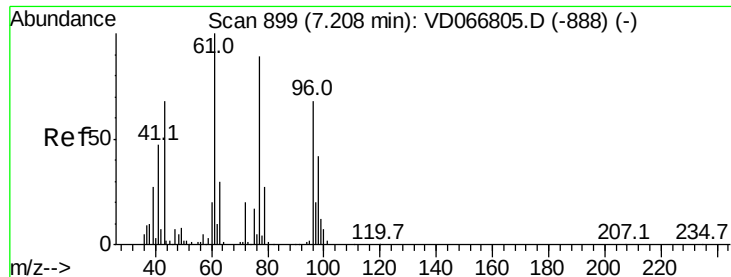
Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion: 63 Resp: 337153

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.7	11.1
100	5.6	1.8	5.5#

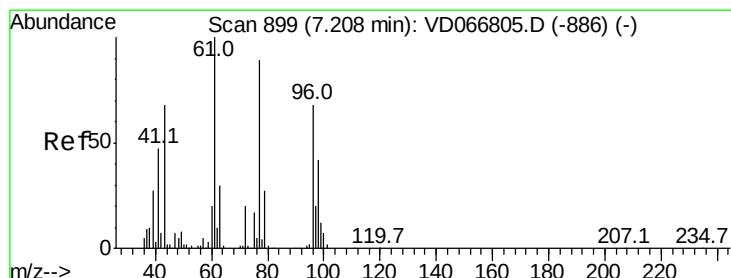
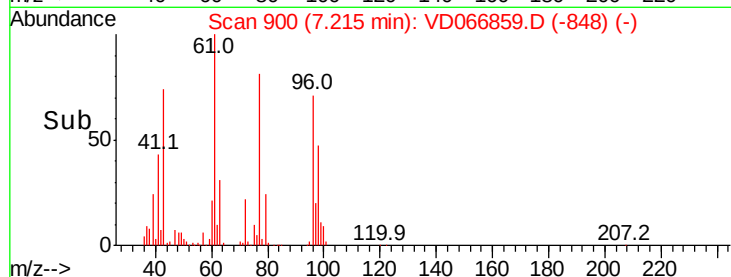
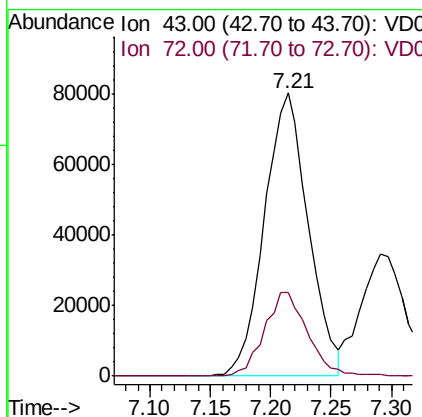
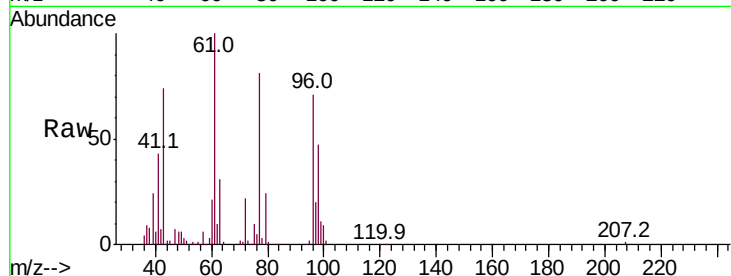




#25
 2-Butanone
 Concen: 266.668 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

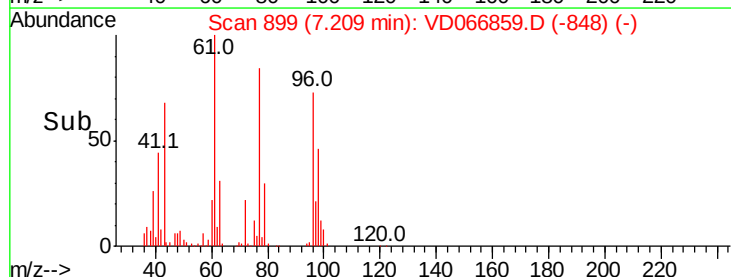
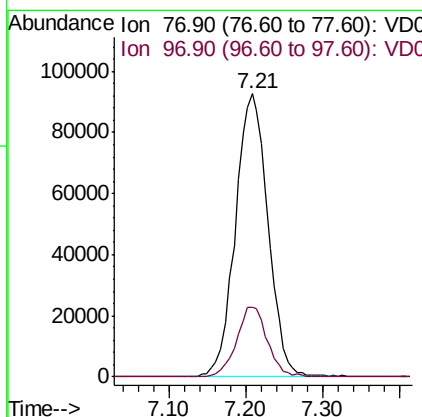
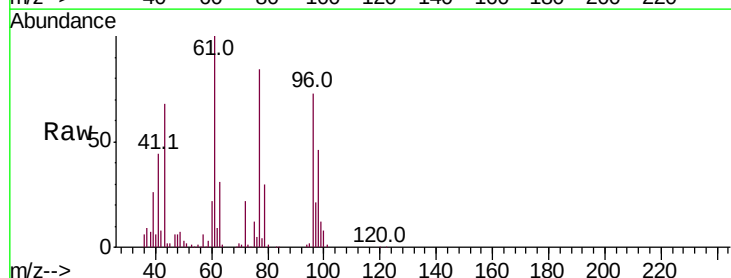
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

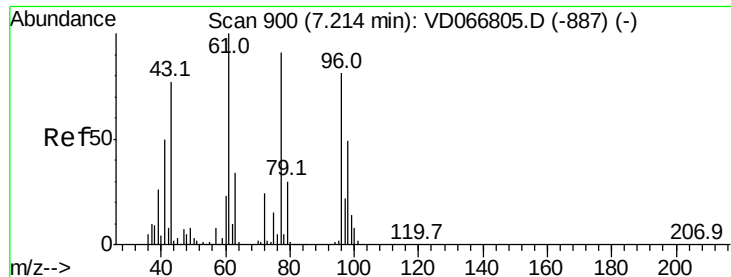
Tot Ion: 43 Resp: 202600
 Ion Ratio Lower Upper
 43 100
 72 29.7 22.9 34.3



#26
 2,2-Dichloropropane
 Concen: 49.655 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion: 77 Resp: 274083
 Ion Ratio Lower Upper
 77 100
 97 23.3 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 57.115 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

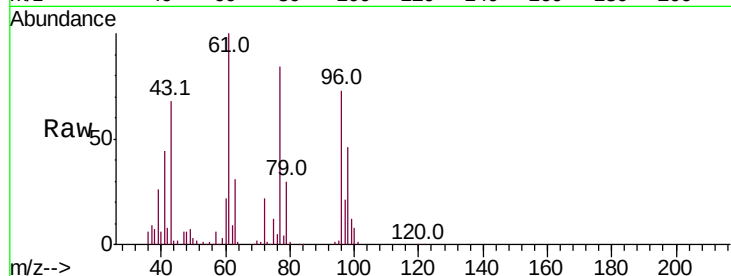
Tot Ion: 96 Resp: 214246

Ion Ratio Lower Upper

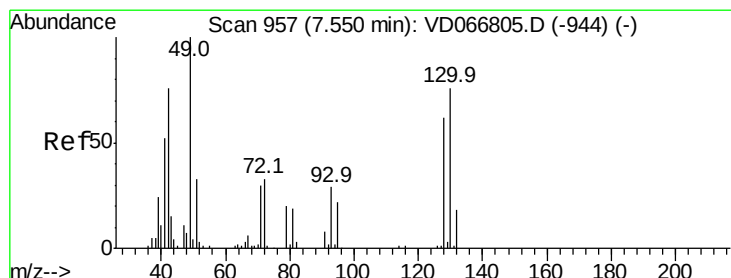
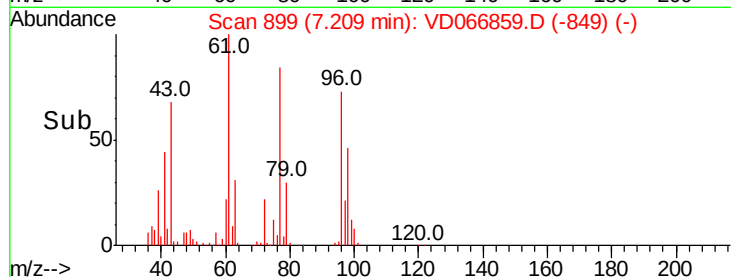
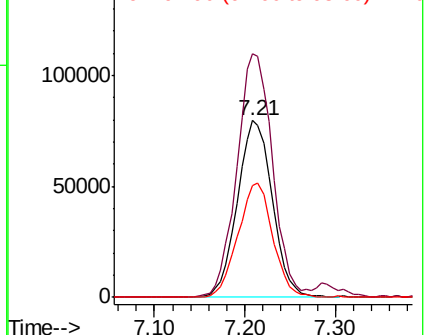
96 100

61 140.1 0.0 283.8

98 64.0 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: 60.424 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

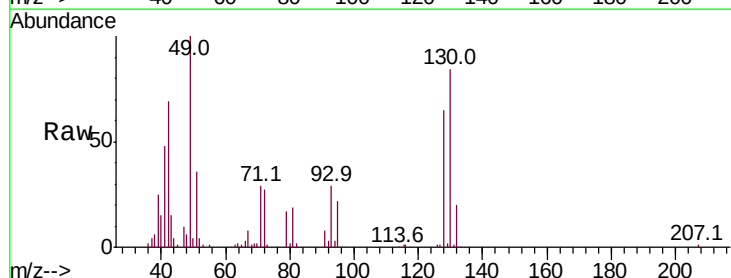
Tgt Ion: 49 Resp: 150333

Ion Ratio Lower Upper

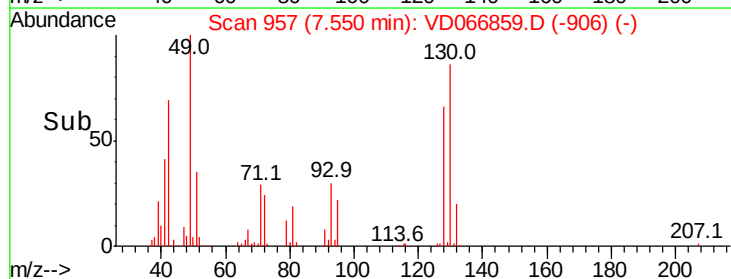
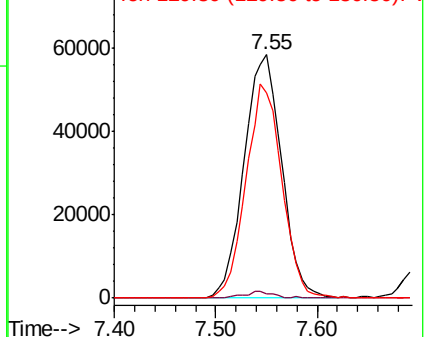
49 100

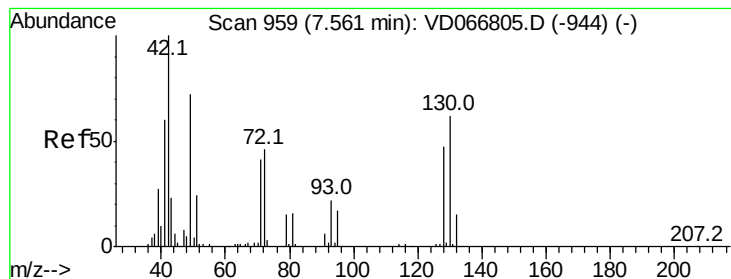
129 1.9 0.0 2.0

130 84.2 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: 280.018 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

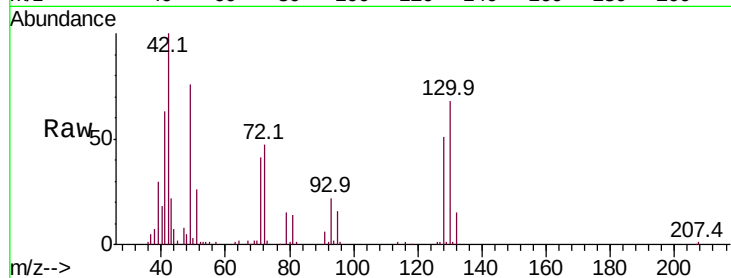
Tot Ion: 42 Resp: 136315

Ion Ratio Lower Upper

42 100

72 44.2 36.2 54.4

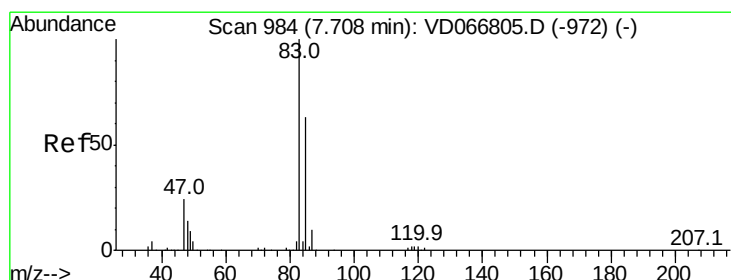
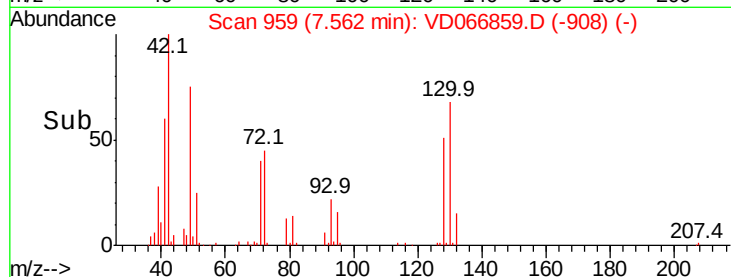
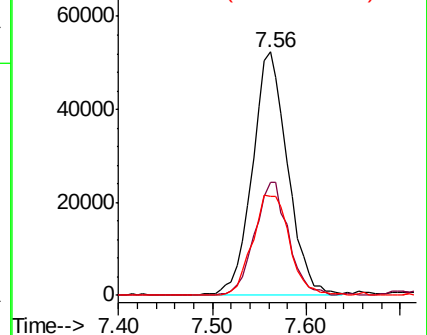
71 43.0 32.4 48.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 55.811 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD066859.D

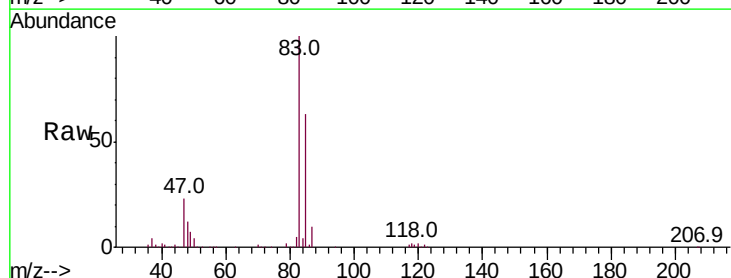
Acq: 24 Sep 2020 18:56

Tgt Ion: 83 Resp: 362306

Ion Ratio Lower Upper

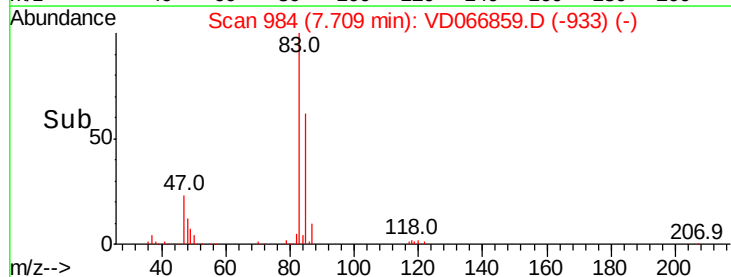
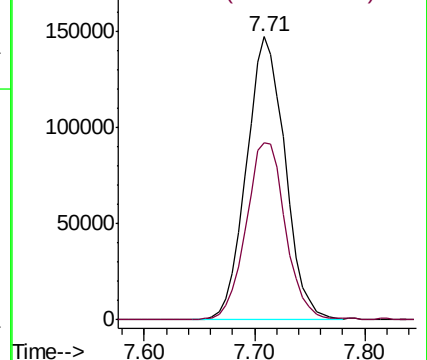
83 100

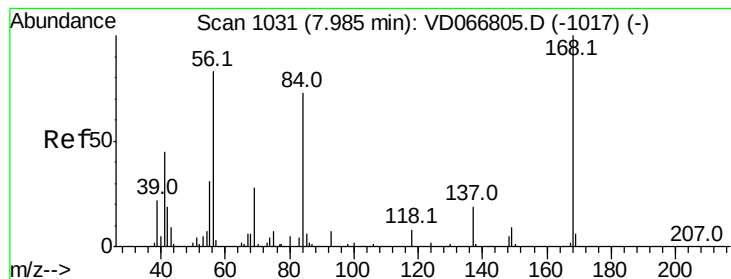
85 62.7 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 29.788 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

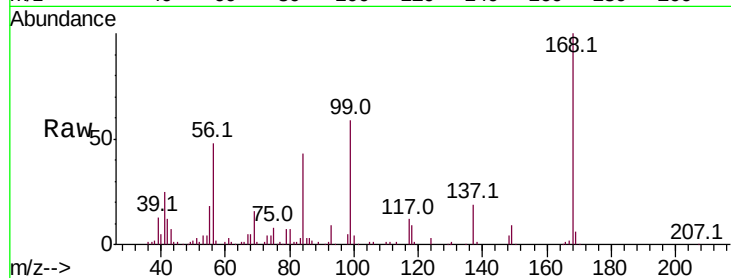
Tot Ion: 56 Resp: 161415

Ion Ratio Lower Upper

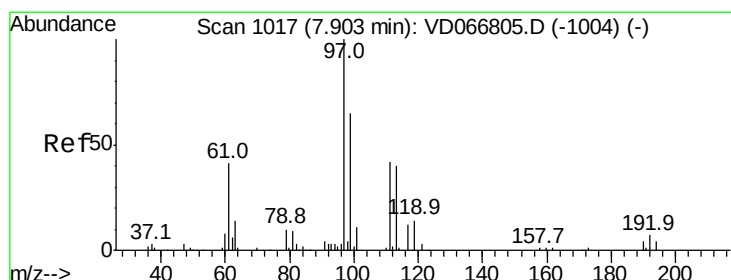
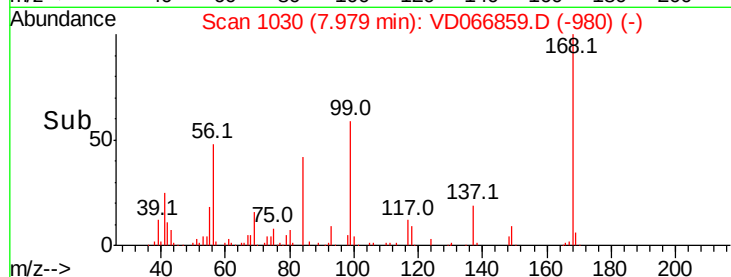
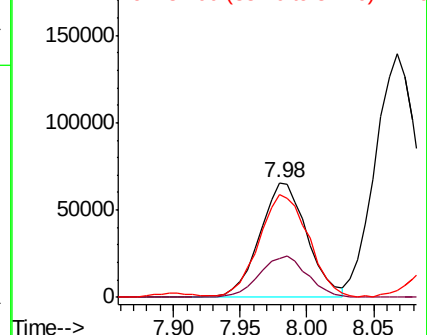
56 100

69 33.9 27.0 40.4

84 86.7 70.2 105.4



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



#32

1,1,1-Trichloroethane

Concen: 49.694 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

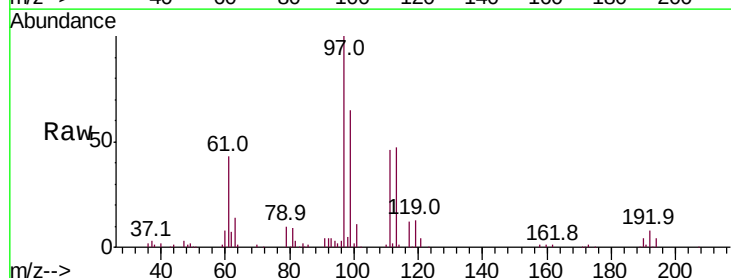
Tgt Ion: 97 Resp: 291827

Ion Ratio Lower Upper

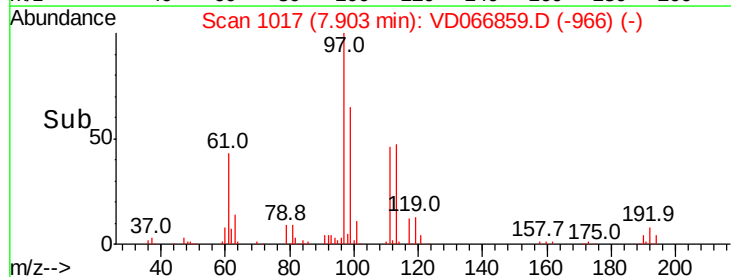
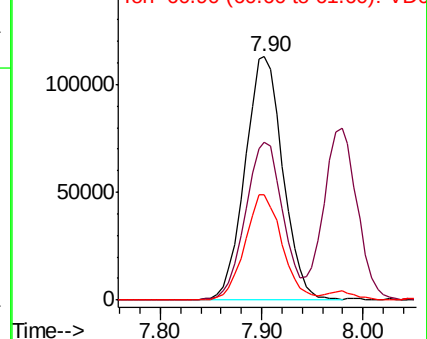
97 100

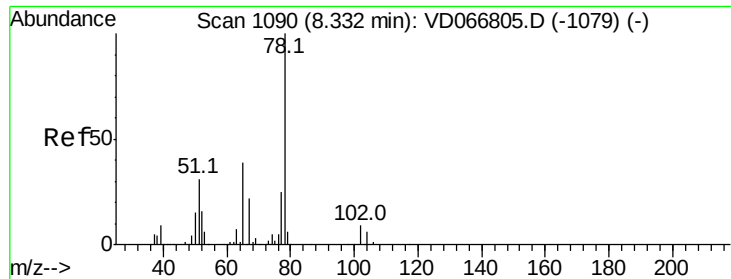
99 64.0 51.5 77.3

61 42.7 34.2 51.4



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

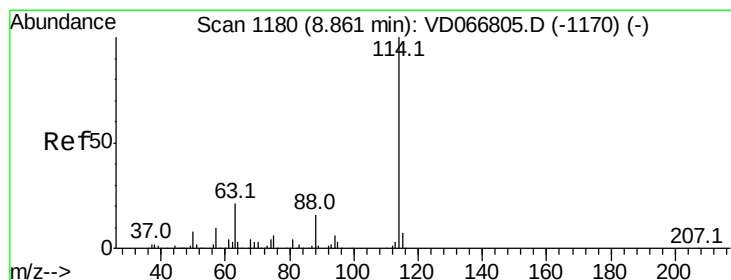
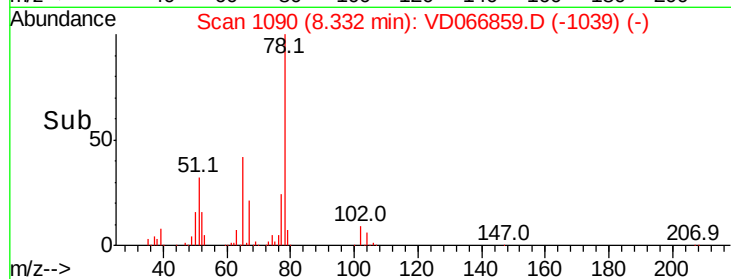
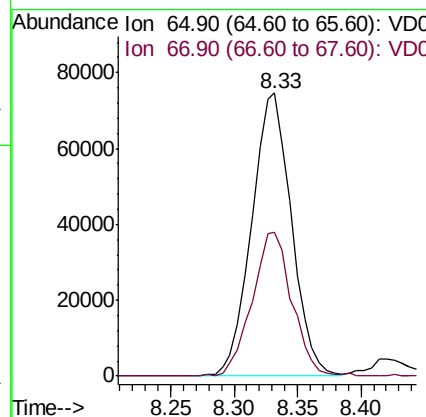
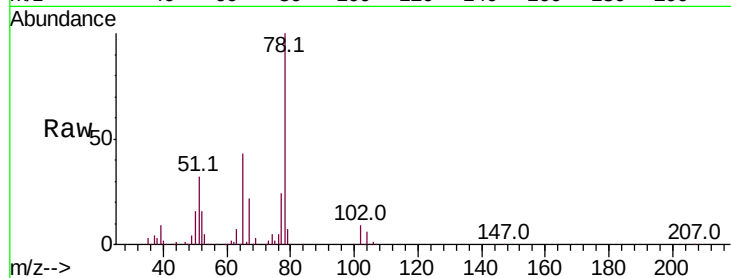




#33
 1,2-Dichloroethane-d4
 Concen: 54.797 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

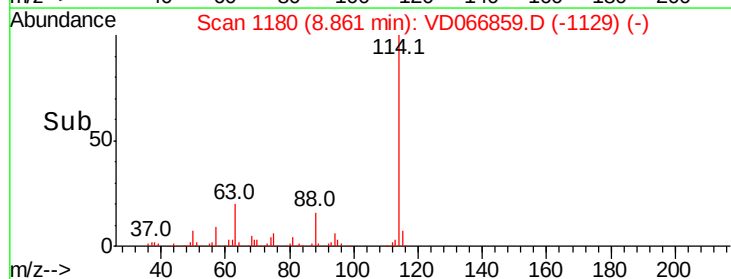
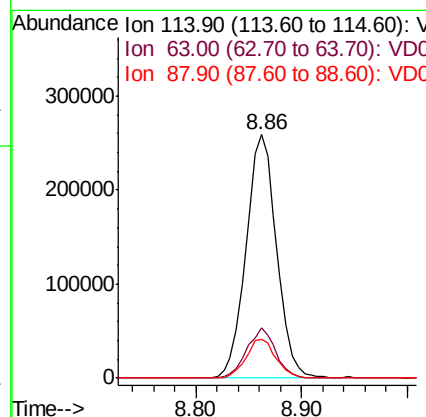
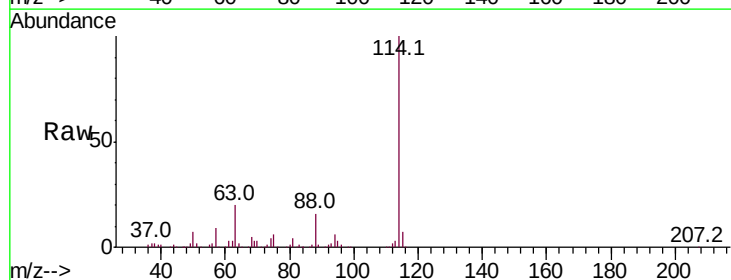
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

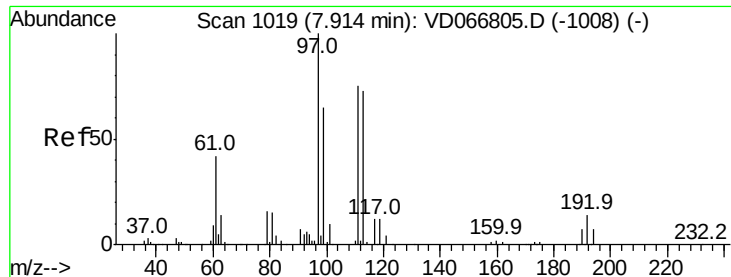
Tot Ion: 65 Resp: 163307
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion: 114 Resp: 519455
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.734 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

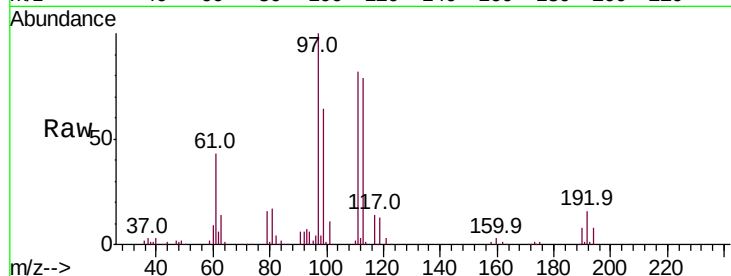
Tot Ion:113 Resp: 164358

Ion Ratio Lower Upper

113 100

111 105.0 81.8 122.8

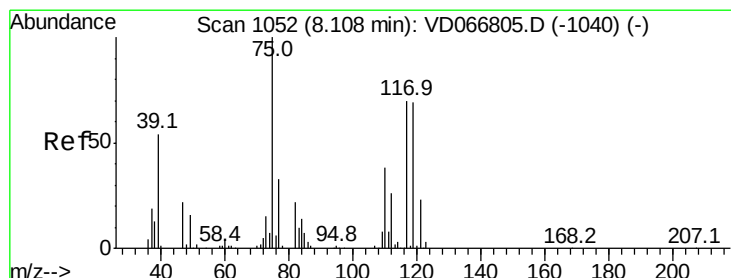
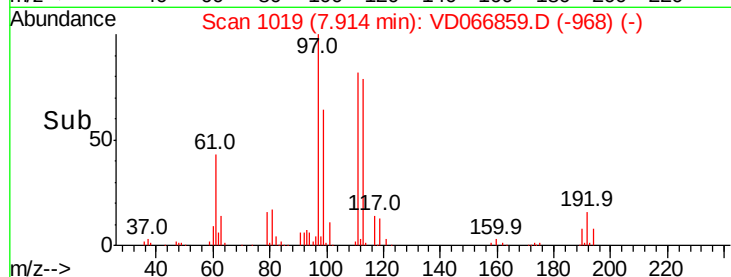
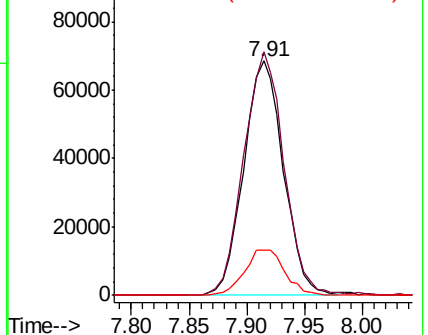
192 19.7 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 42.904 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

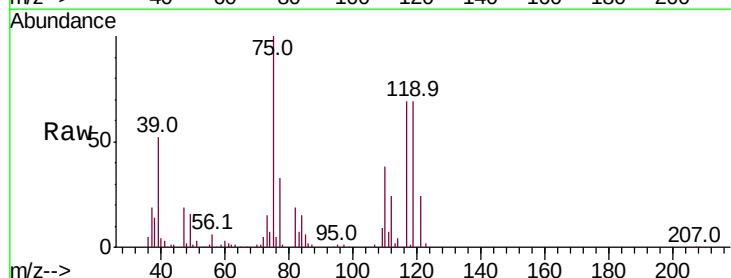
Tgt Ion: 75 Resp: 221100

Ion Ratio Lower Upper

75 100

110 36.9 17.9 53.8

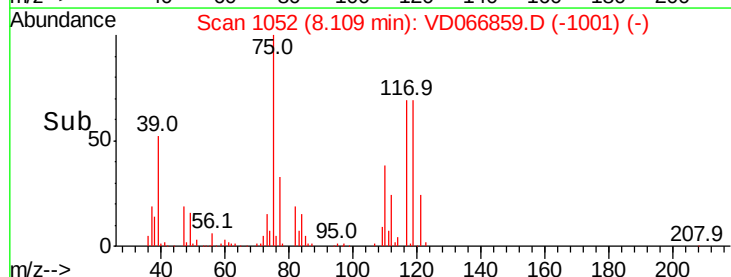
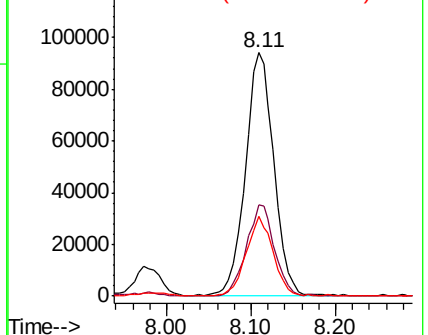
77 31.1 25.0 37.6

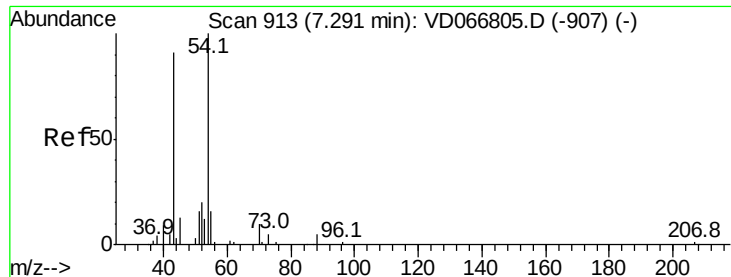


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

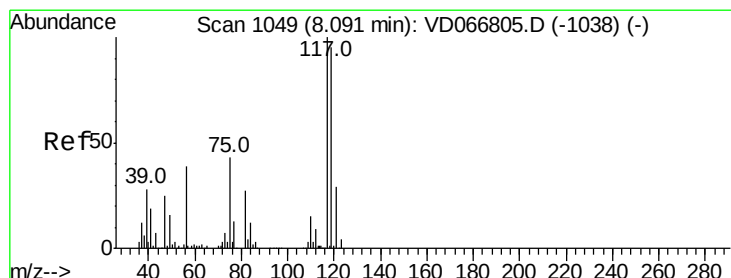
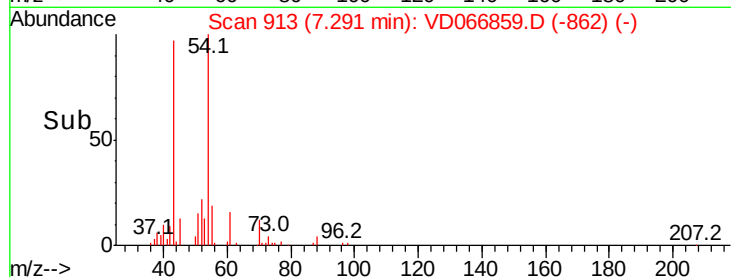
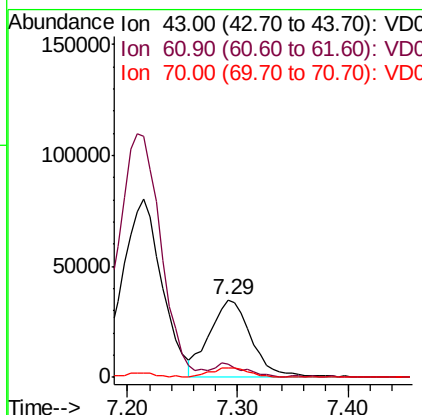
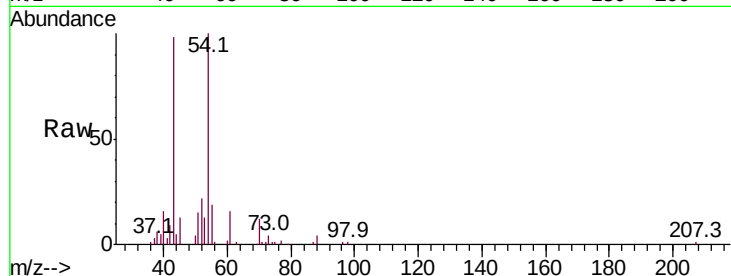




#37
Ethyl Acetate
Concen: 48.511 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

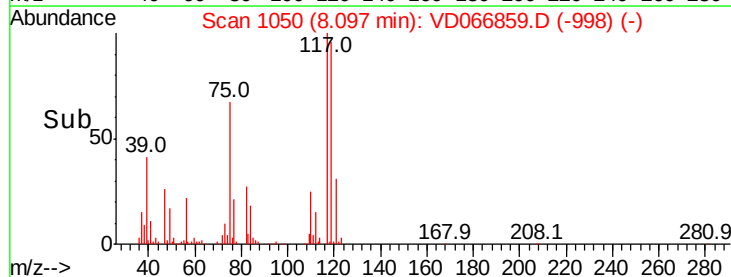
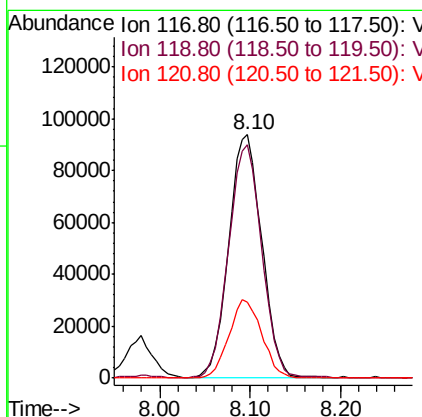
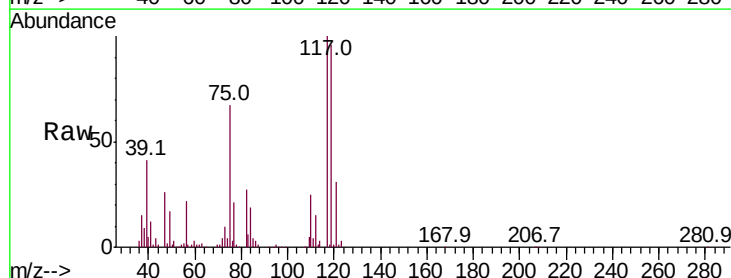
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

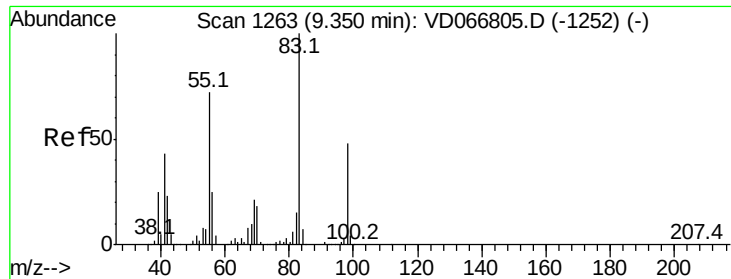
Tot Ion: 43 Resp: 90377
Ion Ratio Lower Upper
43 100
61 11.7 9.8 14.8
70 11.4 8.5 12.7



#38
Carbon Tetrachloride
Concen: 42.122 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion: 117 Resp: 237320
Ion Ratio Lower Upper
117 100
119 95.6 75.8 113.8
121 31.1 23.4 35.0

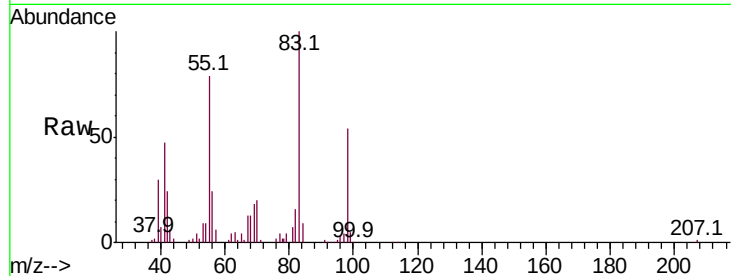




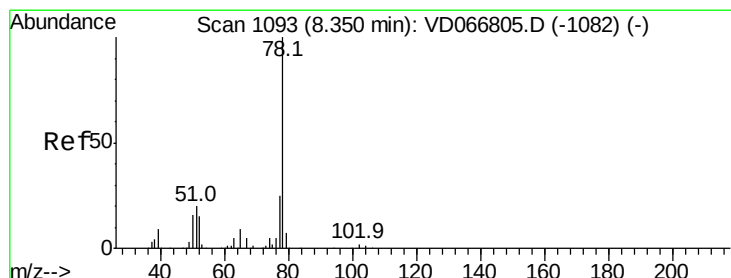
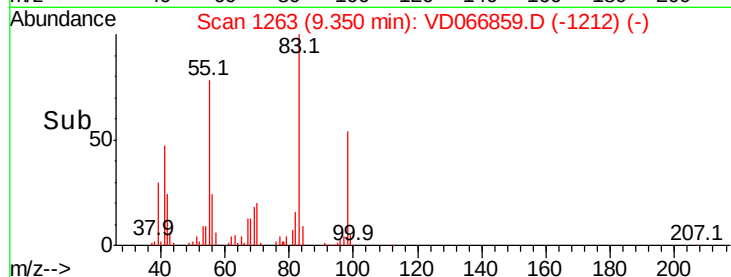
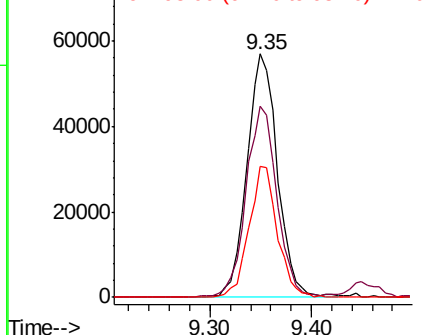
#39
Methylvlcyclohexane
Concen: 20.103 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

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

Tot Ion	83	Resp	118945
Ion Ratio	Lower	Upper	
83	100		
55	78.3	57.7	86.5
98	53.5	38.4	57.6

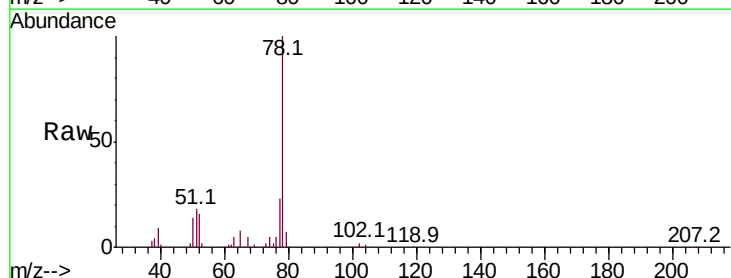


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

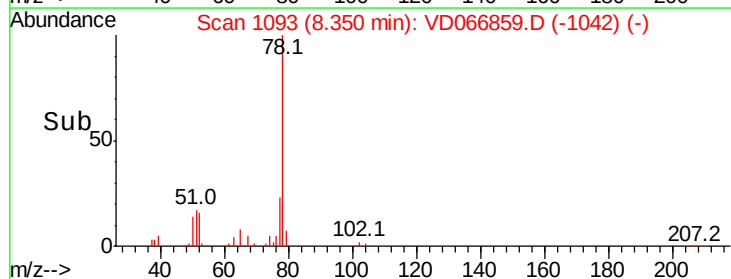
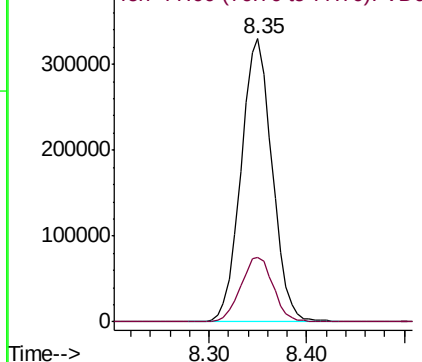


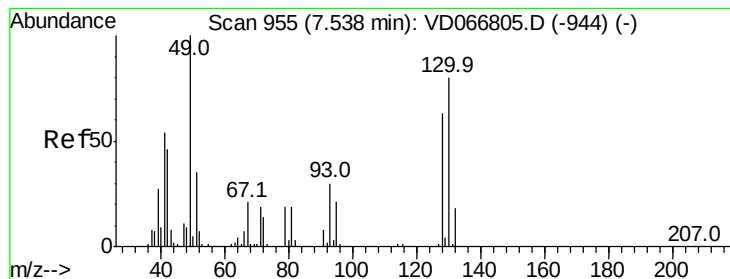
#40
Benzene
Concen: 50.965 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	78	Resp	731982
Ion Ratio	Lower	Upper	
78	100		
77	22.7	19.9	29.9



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





#41

Methacrylonitrile

Concen: 122.639 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.02 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

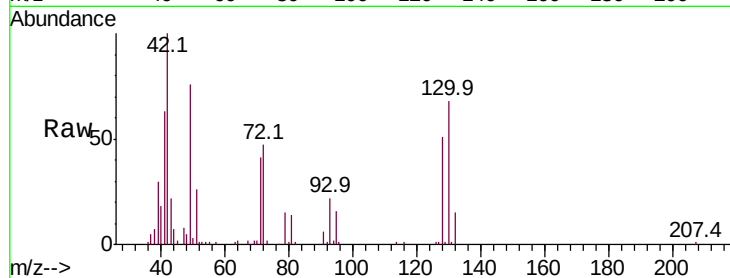
ClientSampleId :

B-2(4-5)MS

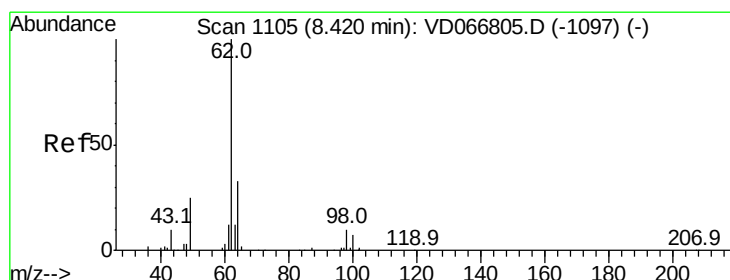
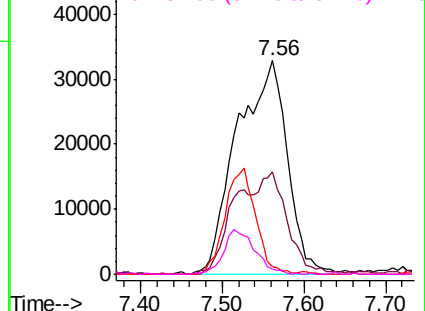
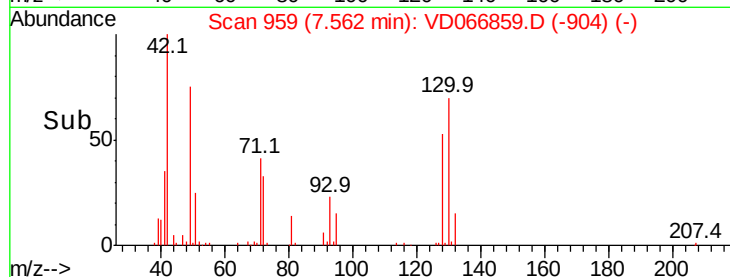
Tot Ion: 41 Resp: 140506

Ion Ratio Lower Upper

41	100		
39	23.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



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



#42

1,2-Dichloroethane

Concen: 50.577 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.01 min

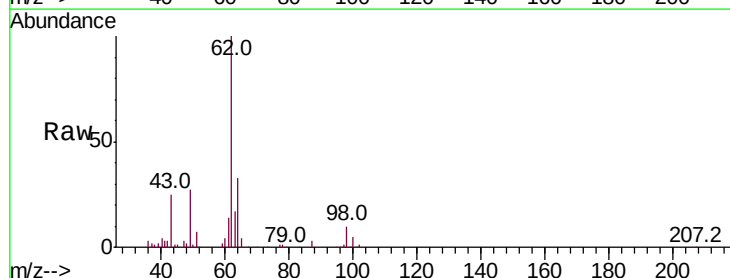
Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

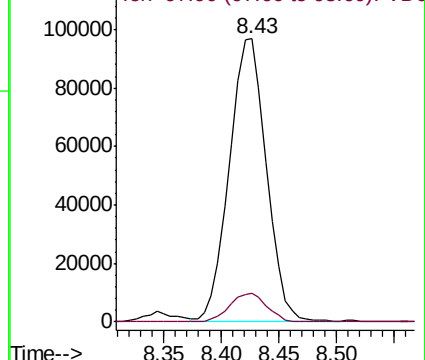
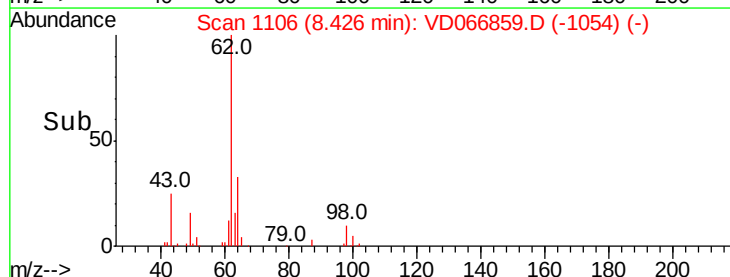
Tgt Ion: 62 Resp: 214746

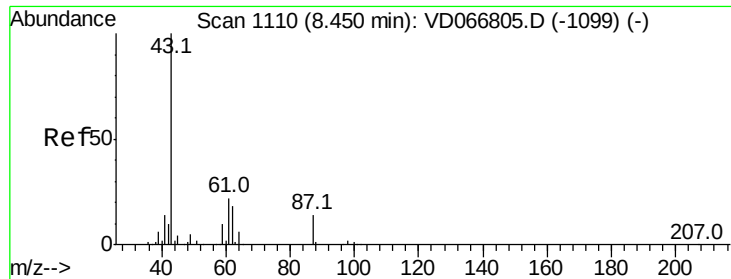
Ion Ratio Lower Upper

62	100		
98	10.2	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.515 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

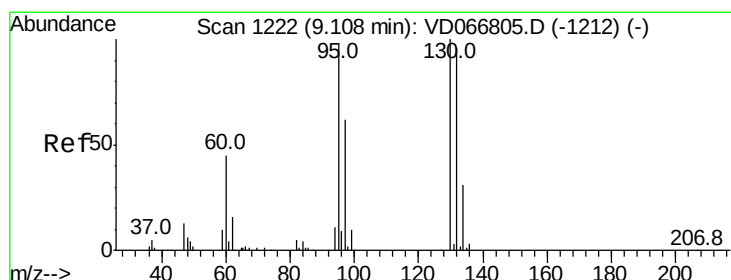
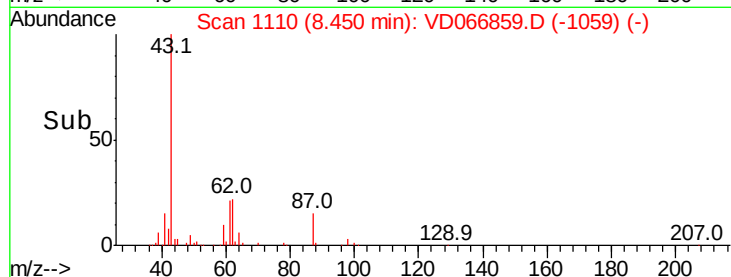
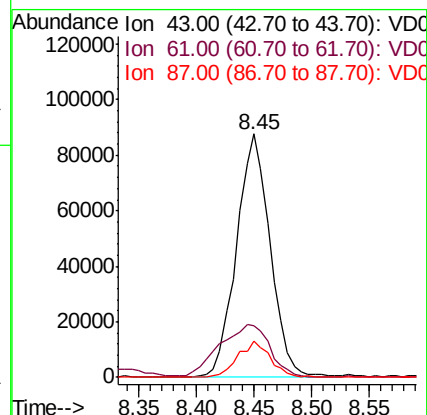
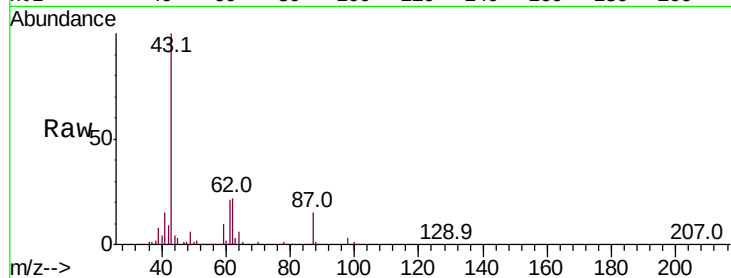
Tot Ion: 43 Resp: 177848

Ion Ratio Lower Upper

43 100

61 32.4 26.2 39.4

87 14.3 11.5 17.3



#44

Trichloroethene

Concen: 44.330 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066859.D

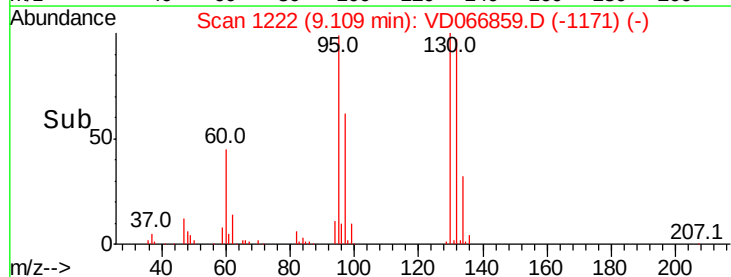
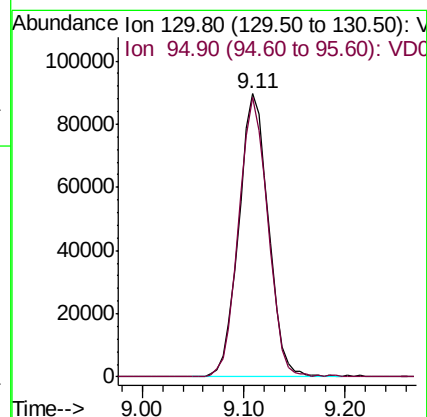
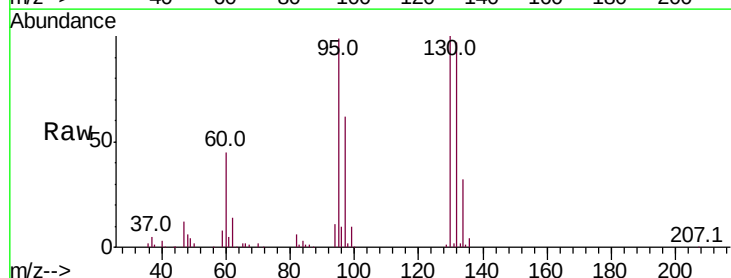
Acq: 24 Sep 2020 18:56

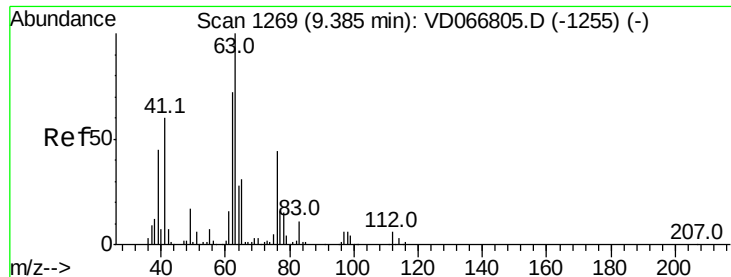
Tgt Ion:130 Resp: 181478

Ion Ratio Lower Upper

130 100

95 98.8 0.0 197.0





#45

1,2-Dichloropropane

Concen: 51.724 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

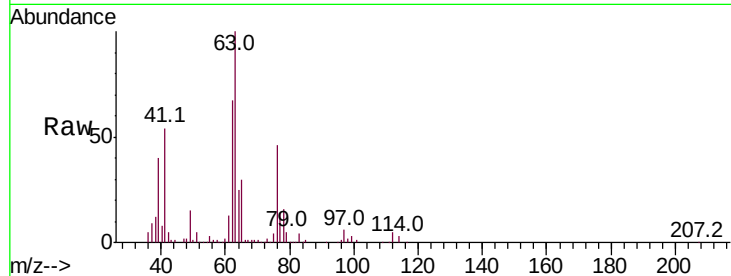
B-2(4-5)MS

Tot Ion: 63 Resp: 186910

Ion Ratio Lower Upper

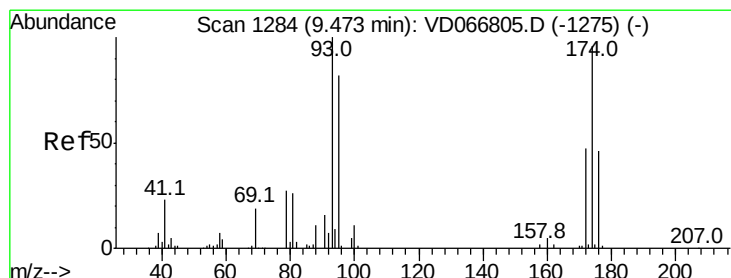
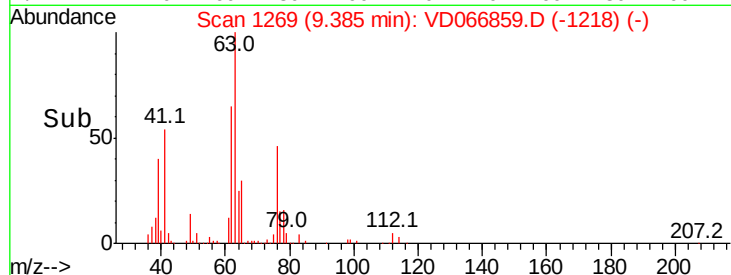
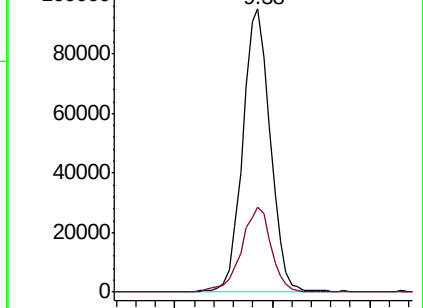
63 100

65 30.2 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: 51.234 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

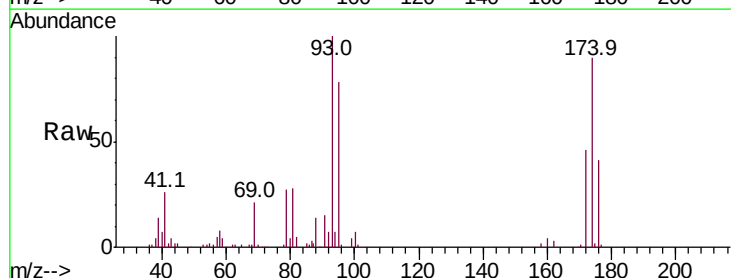
Tgt Ion: 93 Resp: 100591

Ion Ratio Lower Upper

93 100

95 83.4 65.3 97.9

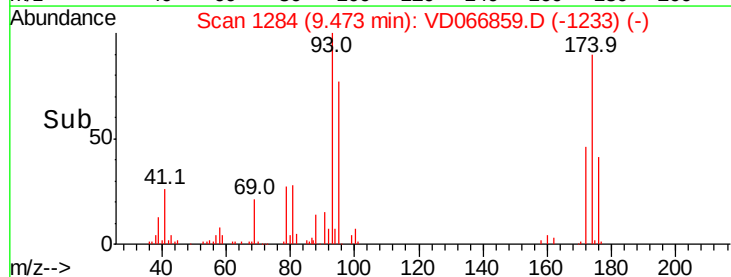
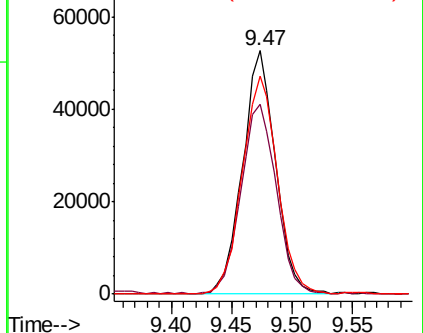
174 95.1 75.4 113.2

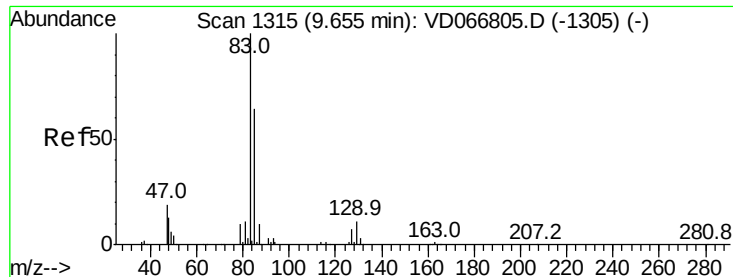


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.113 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

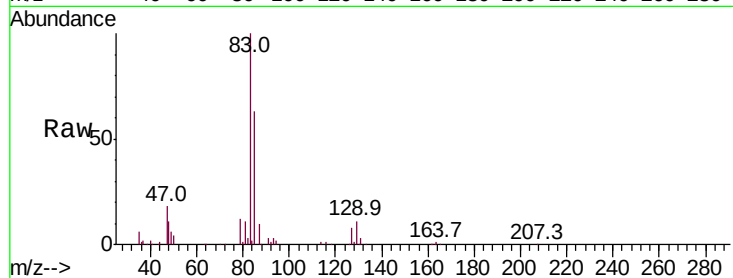
Tot Ion: 83 Resp: 269581

Ion Ratio Lower Upper

83 100

85 62.9 50.9 76.3

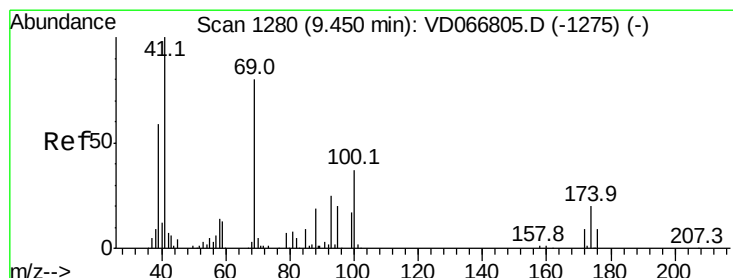
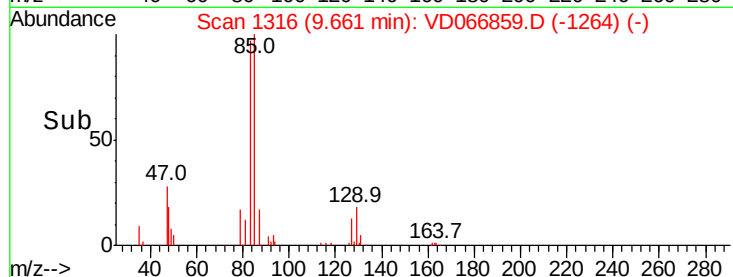
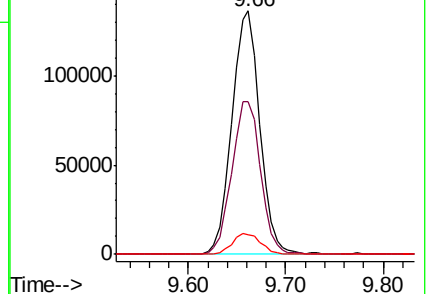
127 7.9 5.9 8.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 57.296 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

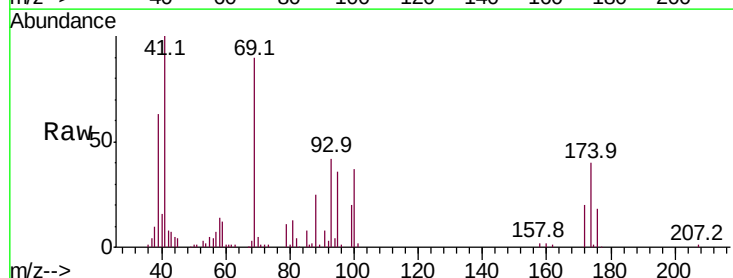
Tgt Ion: 41 Resp: 101465

Ion Ratio Lower Upper

41 100

69 83.8 74.5 111.7

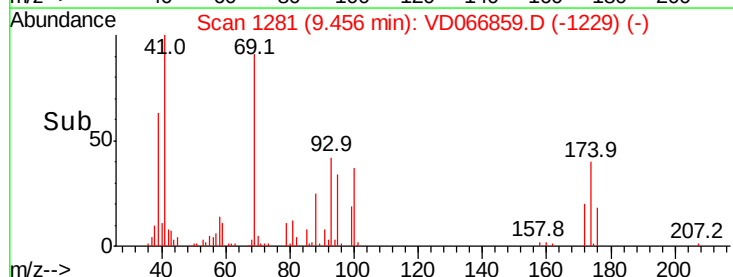
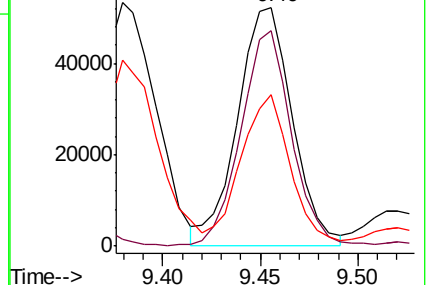
39 57.6 47.0 70.6

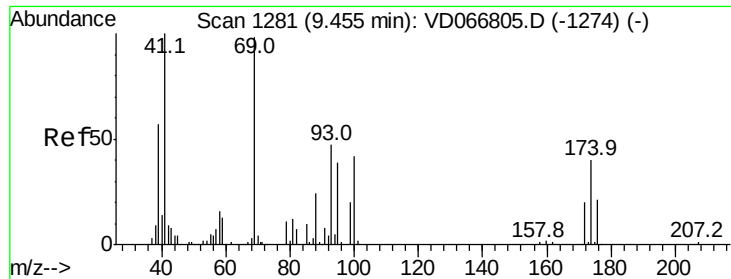


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

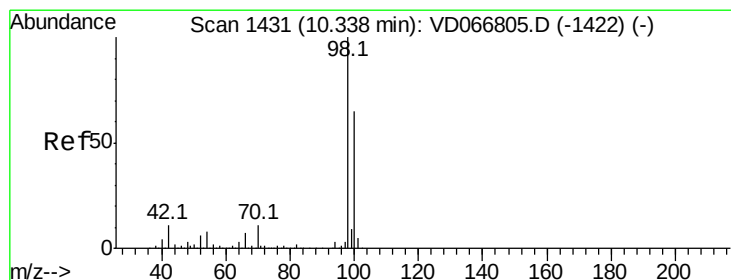
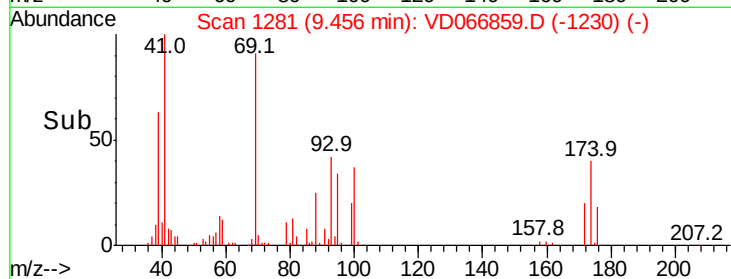
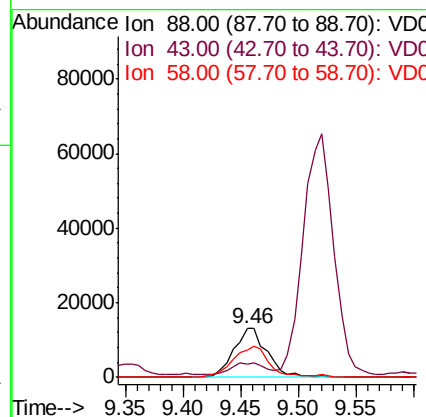
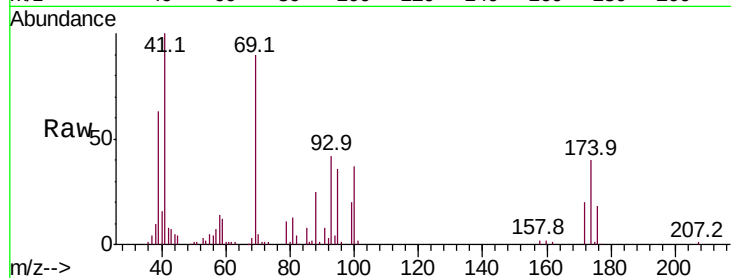




#49
1,4-Dioxane
Concen: 1214.412 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

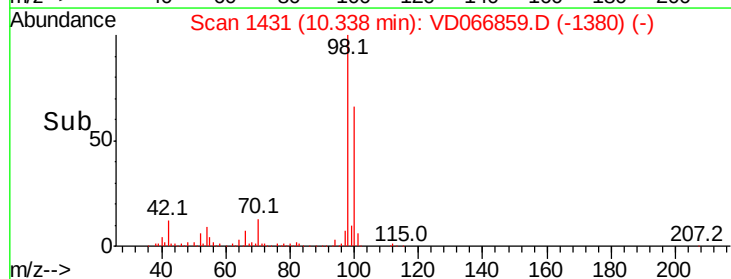
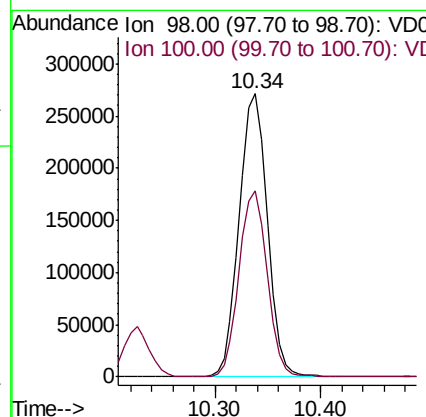
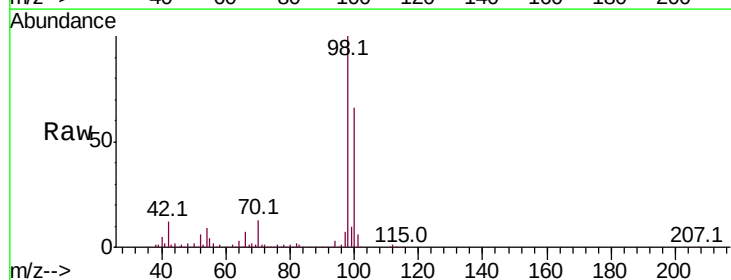
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

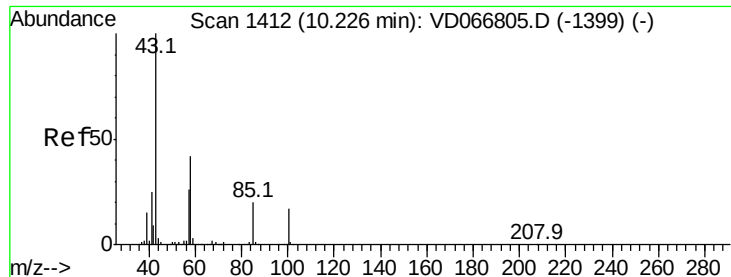
Tot Ion: 88 Resp: 26544
Ion Ratio Lower Upper
88 100
43 25.2 27.7 41.5#
58 66.0 55.5 83.3



#50
Toluene-d8
Concen: 44.638 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion: 98 Resp: 502625
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2

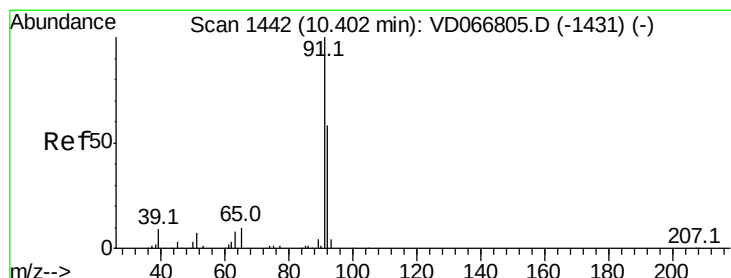
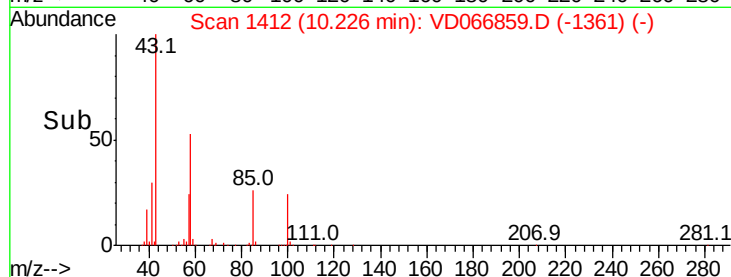
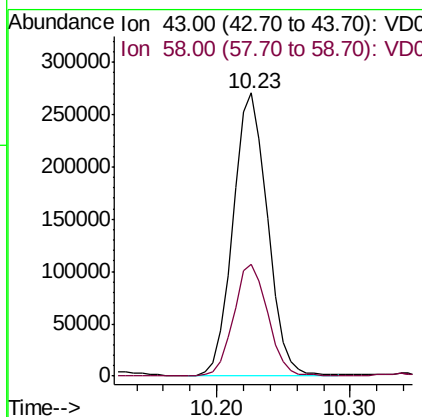
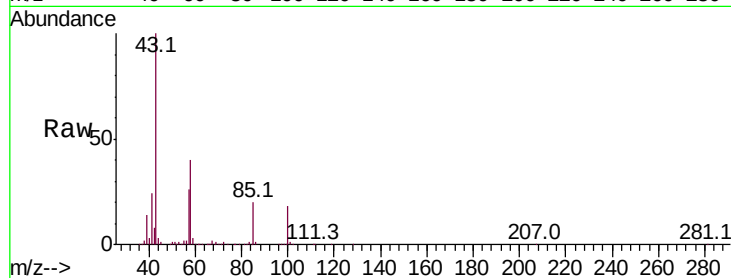




#51
 4-Methyl-2-Pentanone
 Concen: 266.324 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

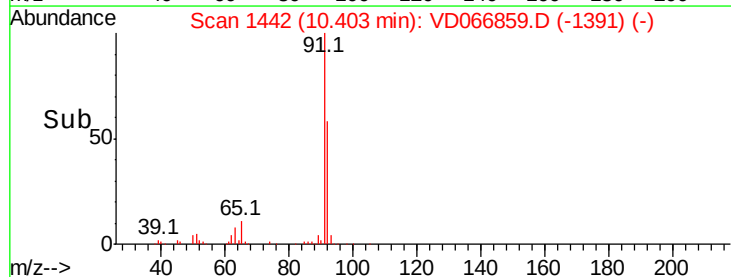
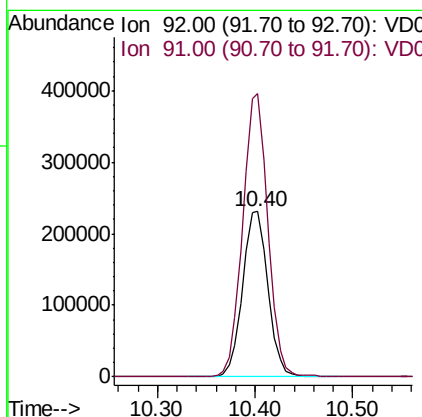
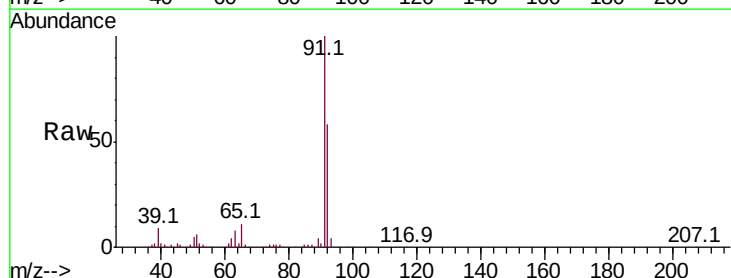
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

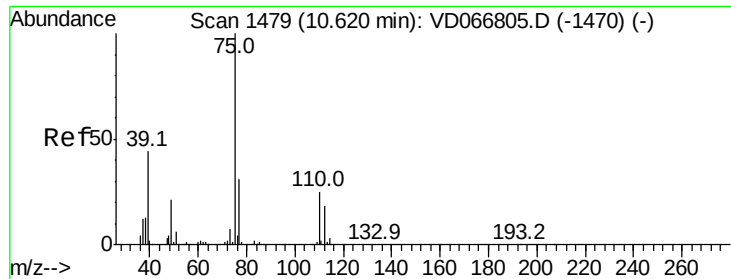
Tot Ion: 43 Resp: 484702
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.2 48.4



#52
 Toluene
 Concen: 45.364 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion: 92 Resp: 419682
 Ion Ratio Lower Upper
 92 100
 91 170.0 134.6 202.0





#53

t-1,3-Dichloropropene

Concen: 49.228 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

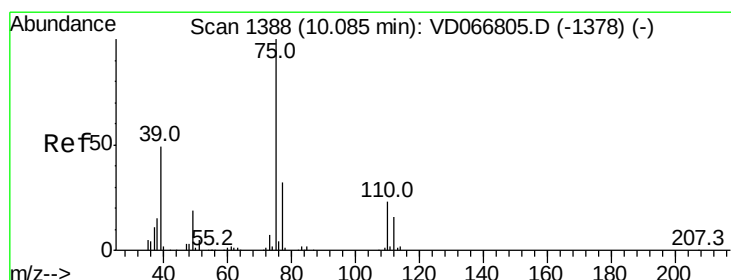
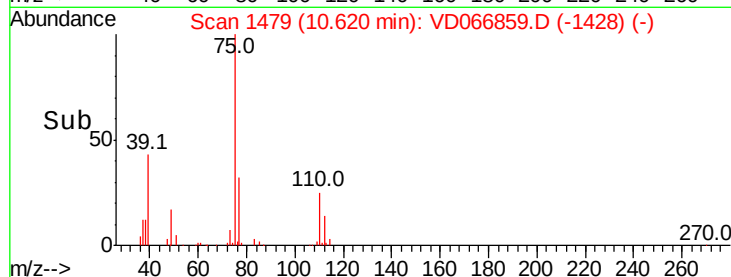
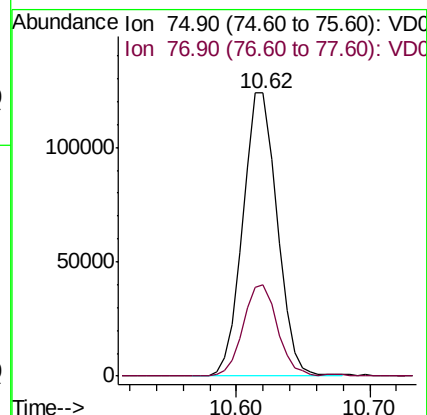
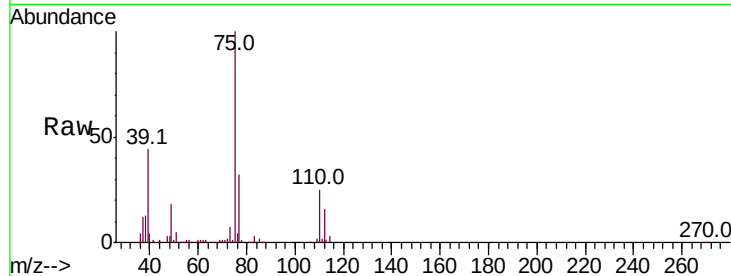
B-2(4-5)MS

Tot Ion: 75 Resp: 220988

Ion Ratio Lower Upper

75 100

77 32.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 50.150 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

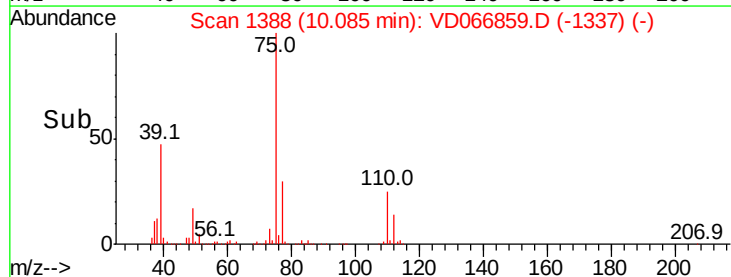
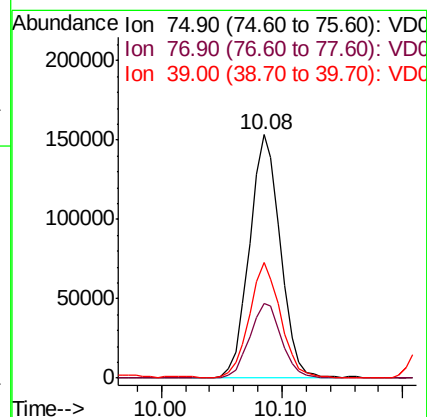
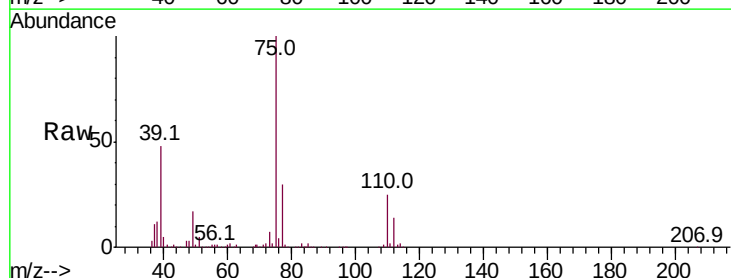
Tgt Ion: 75 Resp: 274506

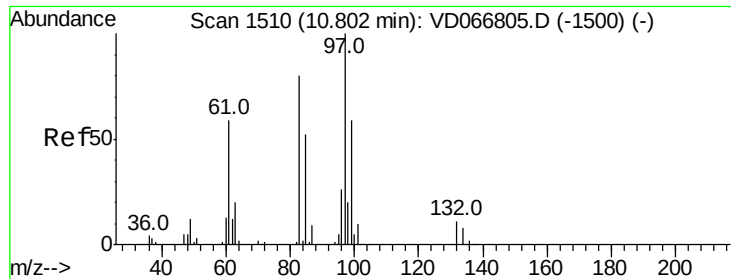
Ion Ratio Lower Upper

75 100

77 30.5 25.6 38.4

39 47.2 39.2 58.8

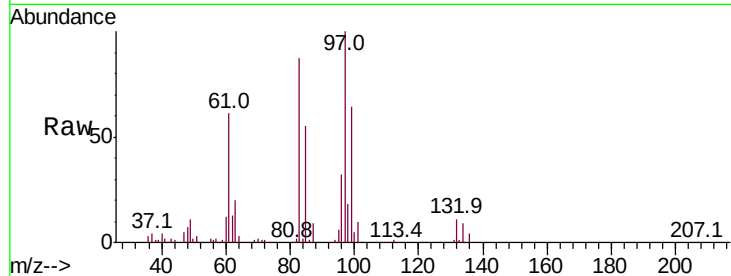




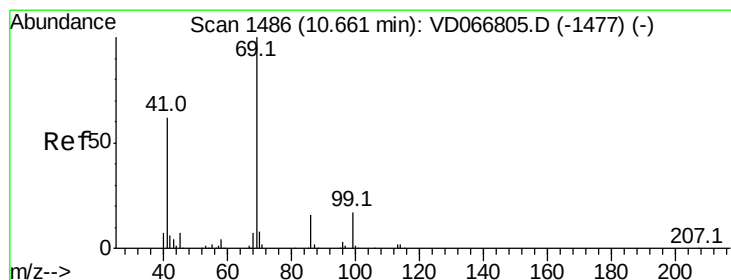
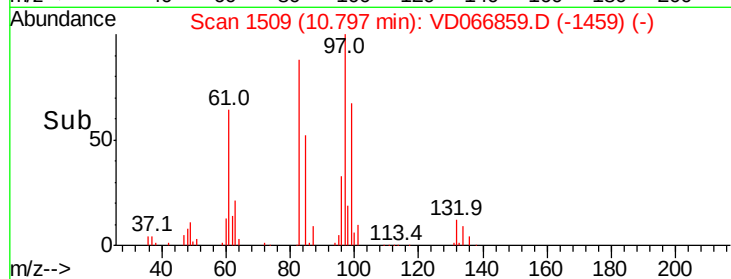
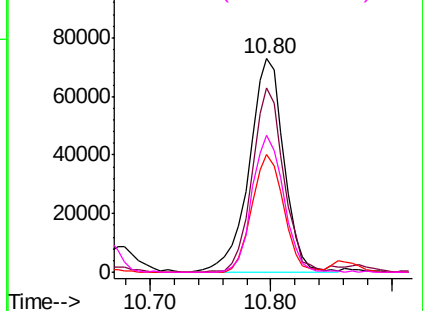
#55
 1,1,2-Trichloroethane
 Concen: 53.995 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

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

Tot Ion:	97	Resp:	145735
Ion	Ratio	Lower	Upper
97	100		
83	86.5	64.2	96.2
85	55.4	41.9	62.9
99	64.0	47.5	71.3

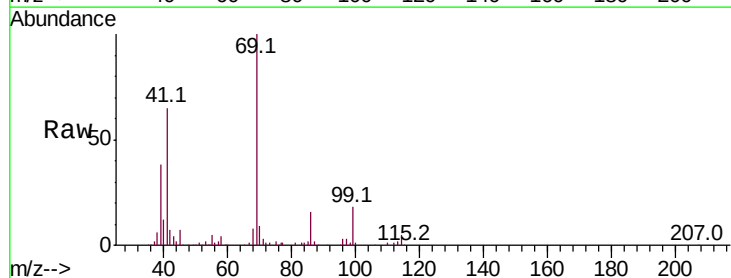


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

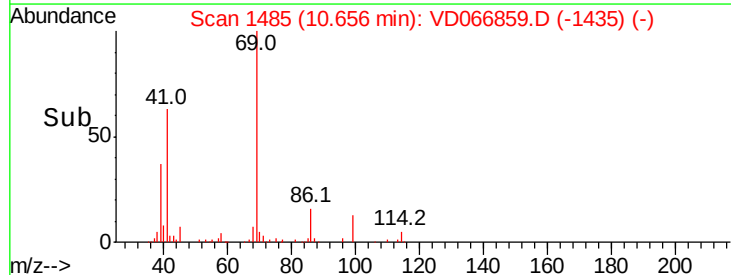
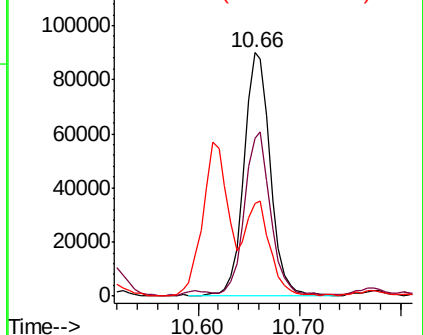


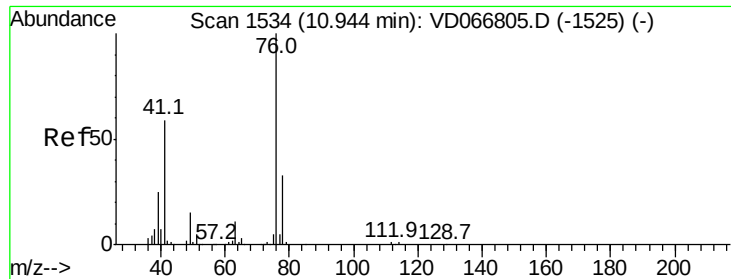
#56
 Ethyl methacrylate
 Concen: 55.342 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion:	69	Resp:	160018
Ion	Ratio	Lower	Upper
69	100		
41	66.5	52.2	78.2
39	37.8	26.6	40.0



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





#57

1,3-Dichloropropane

Concen: 49.622 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

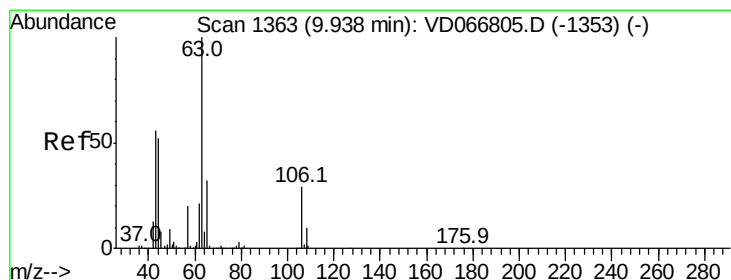
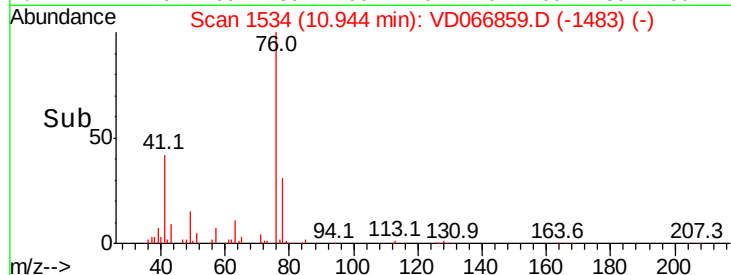
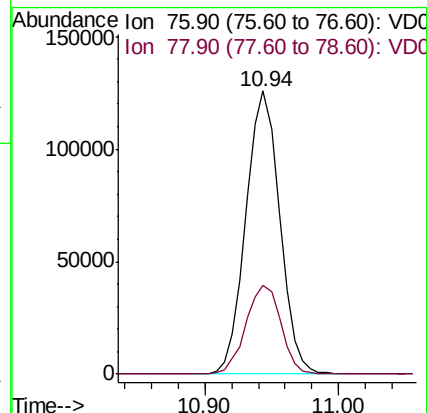
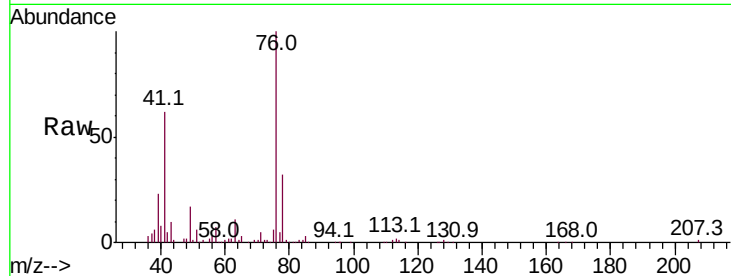
B-2(4-5)MS

Tot Ion: 76 Resp: 221157

Ion Ratio Lower Upper

76 100

78 32.4 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 248.683 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066859.D

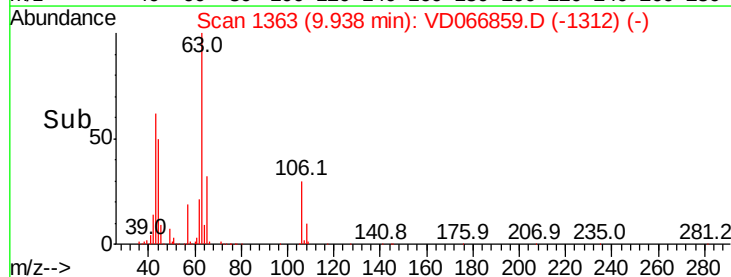
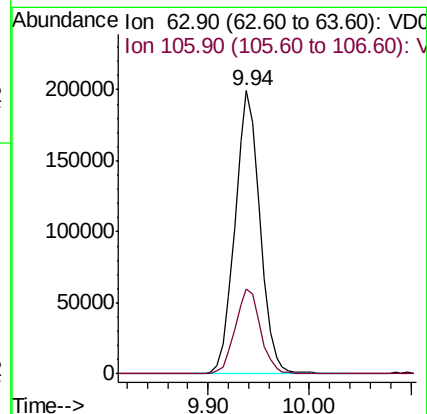
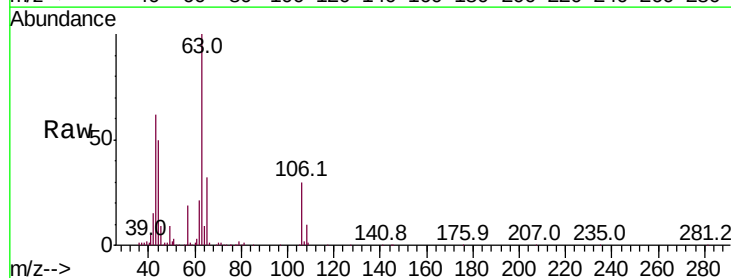
Acq: 24 Sep 2020 18:56

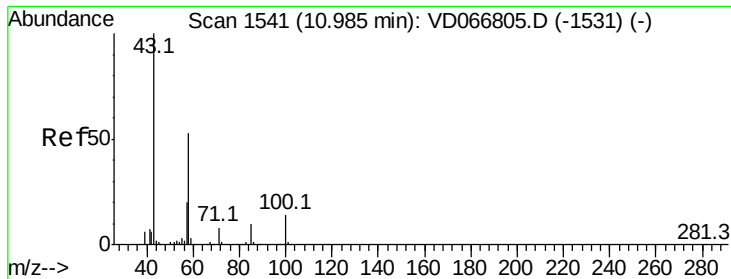
Tgt Ion: 63 Resp: 340469

Ion Ratio Lower Upper

63 100

106 30.3 23.8 35.6

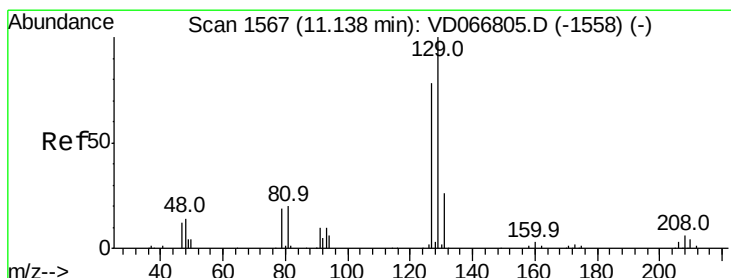
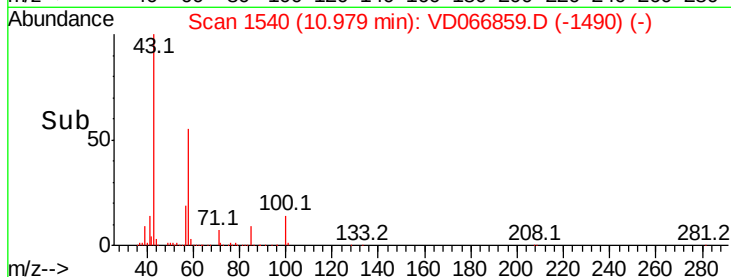
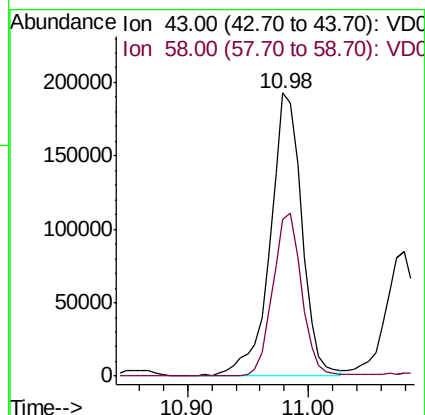
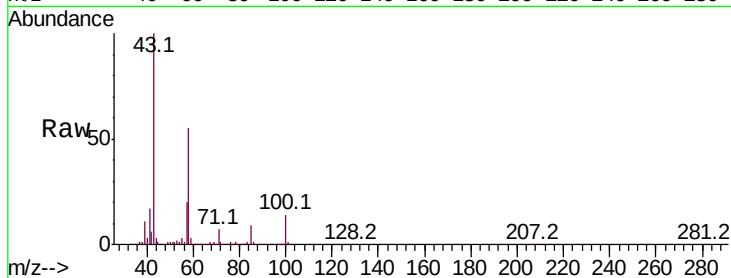




#59
2-Hexanone
Concen: 283.162 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

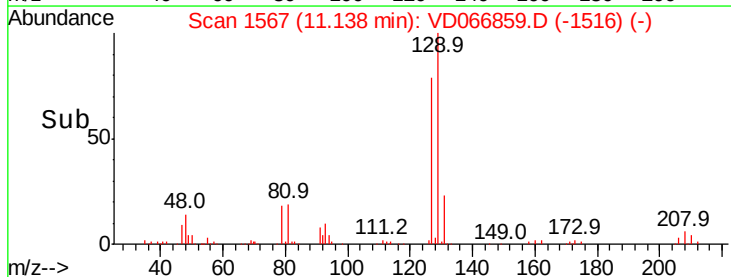
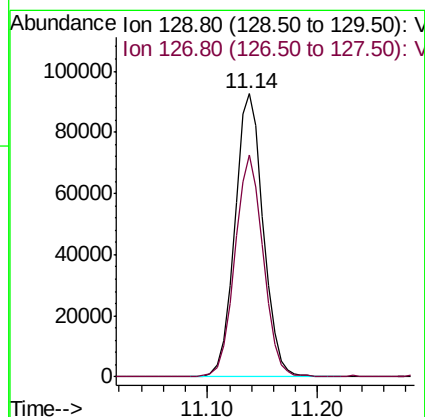
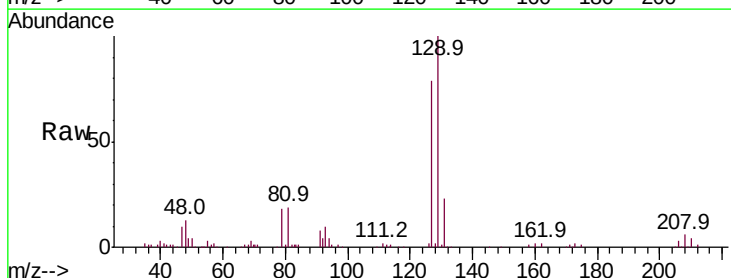
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

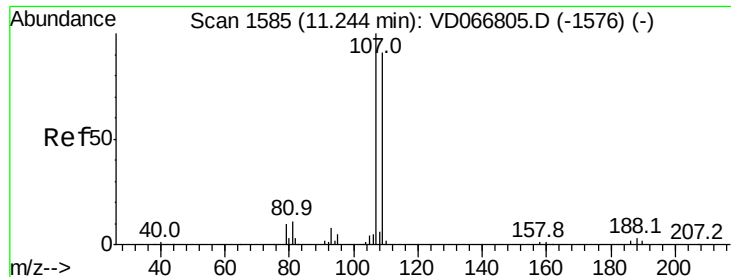
Tot Ion: 43 Resp: 347537
Ion Ratio Lower Upper
43 100
58 52.5 27.0 80.8



#60
Dibromochloromethane
Concen: 47.282 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion:129 Resp: 166558
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.968 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

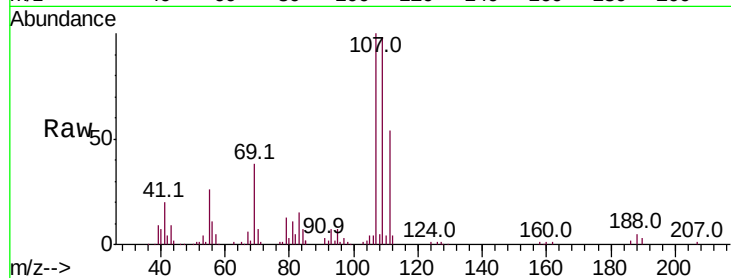
B-2(4-5)MS

Tot Ion:107 Resp: 122934

Ion Ratio Lower Upper

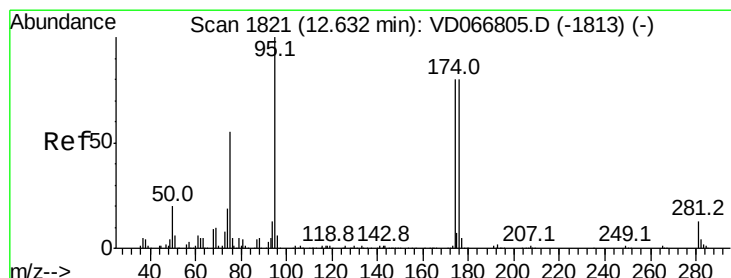
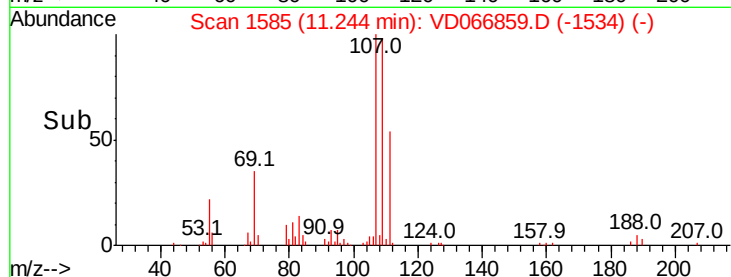
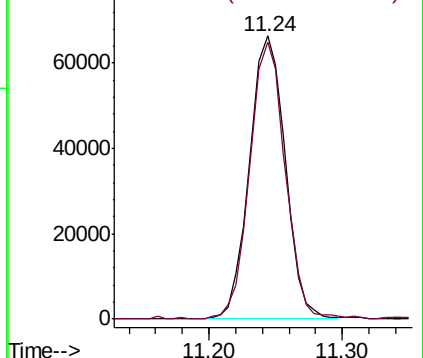
107 100

109 97.2 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 37.134 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

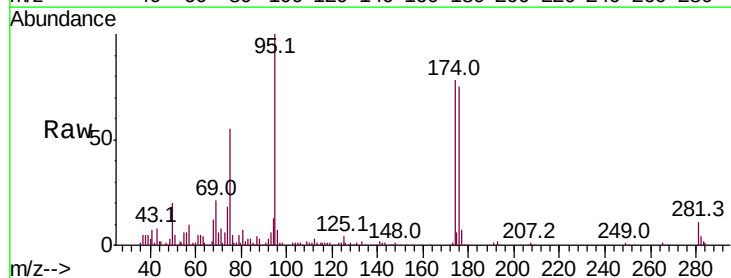
Tgt Ion: 95 Resp: 143141

Ion Ratio Lower Upper

95 100

174 77.2 0.0 159.8

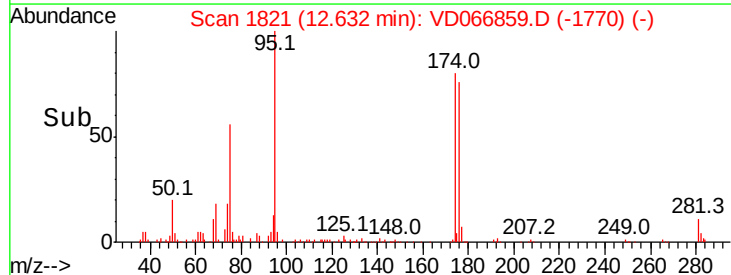
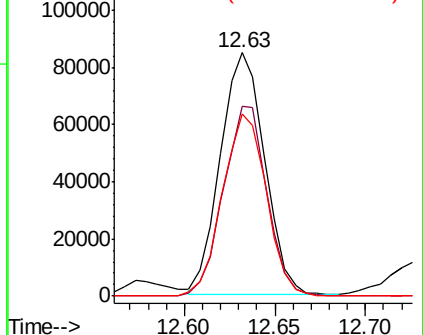
176 74.8 0.0 154.4

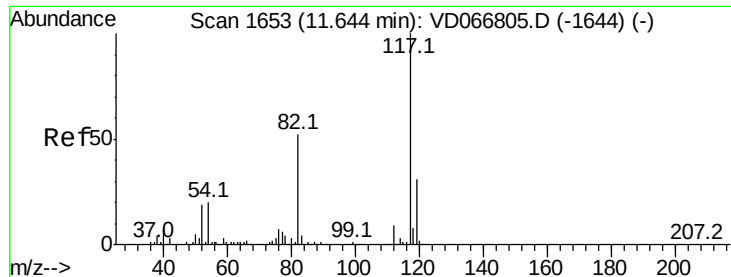


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

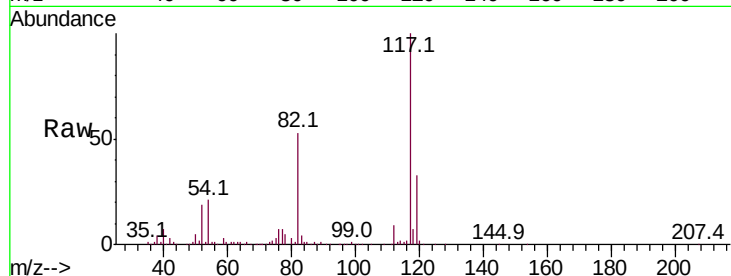
Tot Ion:117 Resp: 406780

Ion Ratio Lower Upper

117 100

82 52.3 41.8 62.6

119 33.5 24.6 37.0

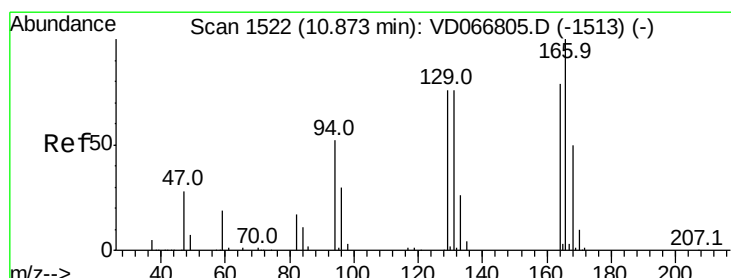
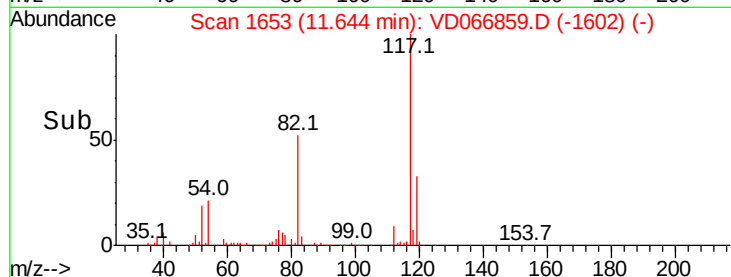
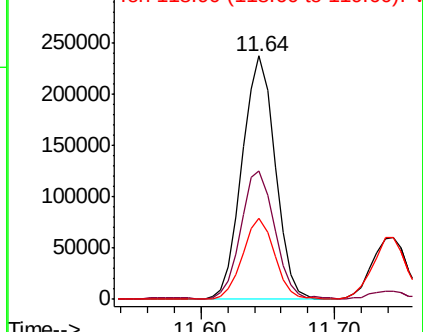


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 43.626 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion:164 Resp: 127651

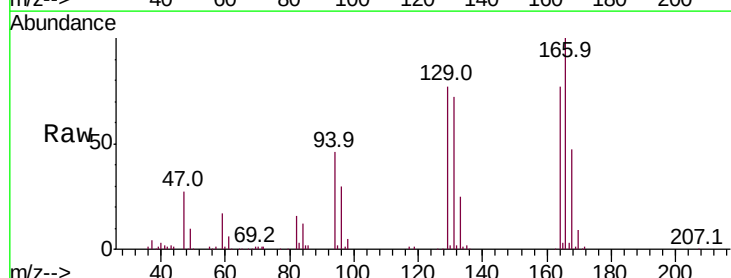
Ion Ratio Lower Upper

164 100

166 130.1 101.1 151.7

129 99.9 77.0 115.4

131 94.2 76.6 115.0



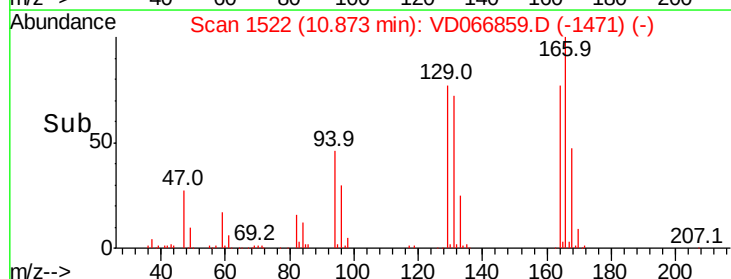
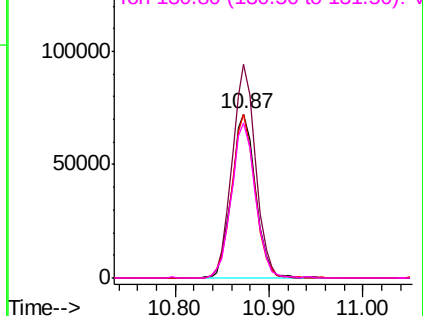
Abundance

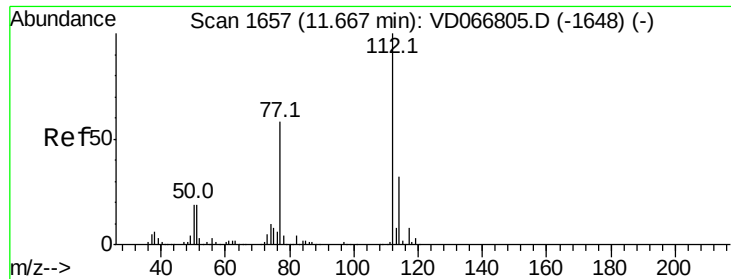
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

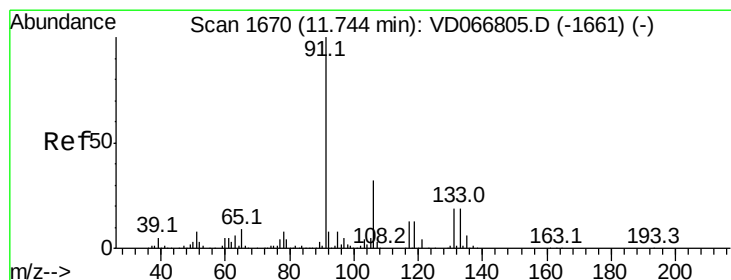
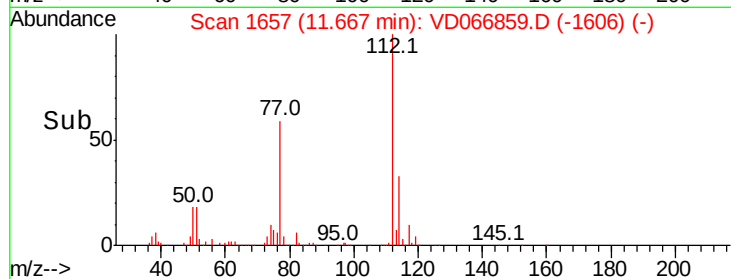
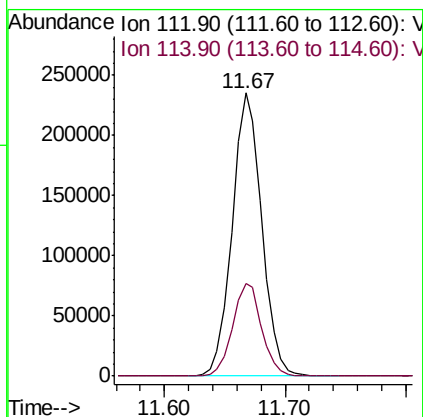
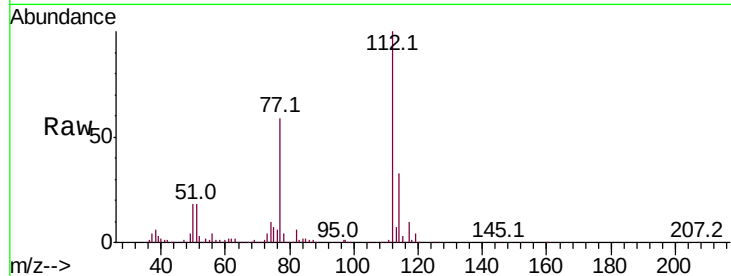




#65
Chlorobenzene
Concen: 47.212 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

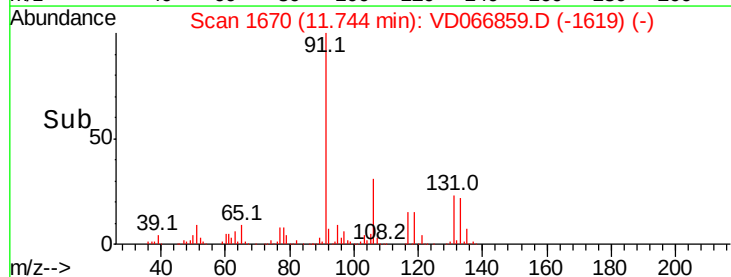
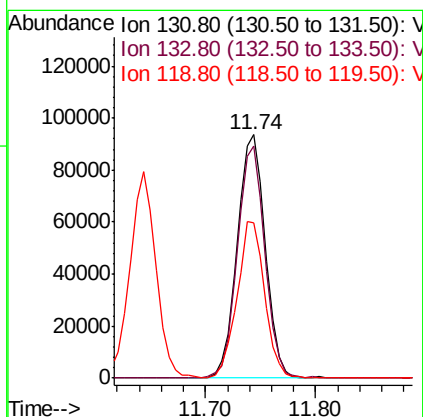
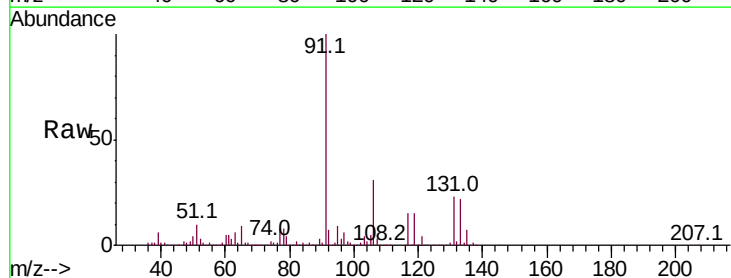
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

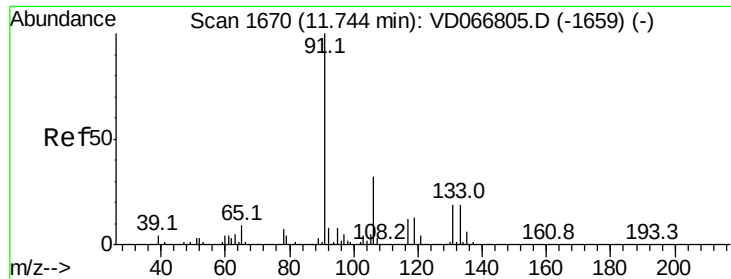
Tot Ion:112 Resp: 399764
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.168 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion:131 Resp: 167183
Ion Ratio Lower Upper
131 100
133 93.3 46.7 140.1
119 63.3 32.3 96.9





#67

Ethyl Benzene

Concen: 44.548 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

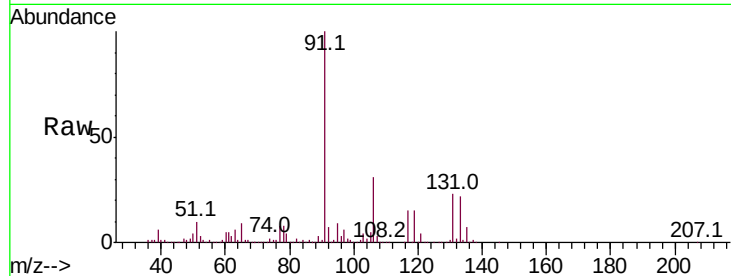
B-2(4-5)MS

Tot Ion: 91 Resp: 662492

Ion Ratio Lower Upper

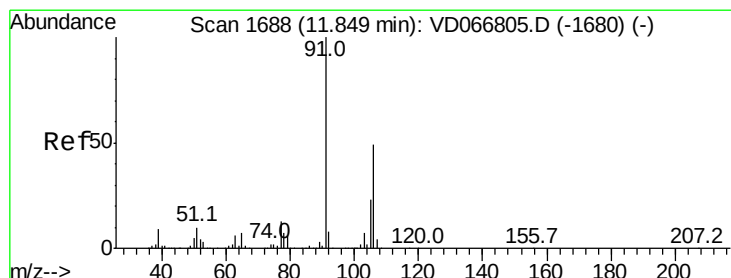
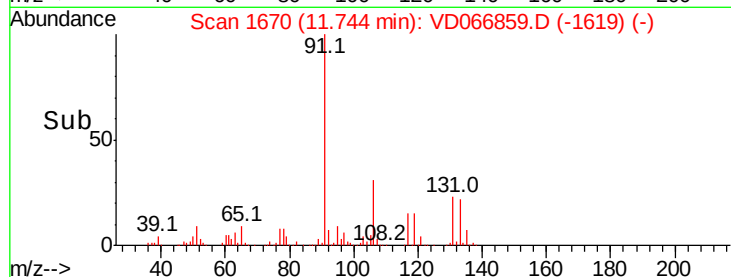
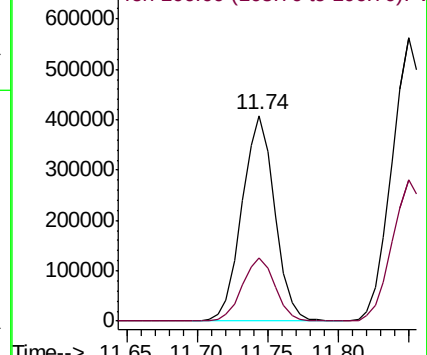
91 100

106 31.0 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 90.875 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066859.D

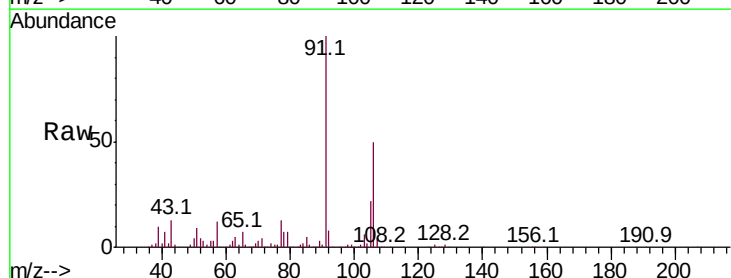
Acq: 24 Sep 2020 18:56

Tgt Ion:106 Resp: 511669

Ion Ratio Lower Upper

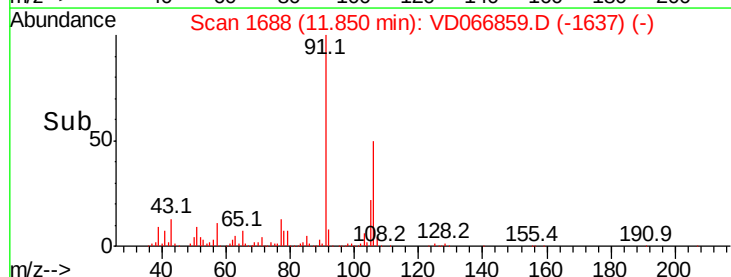
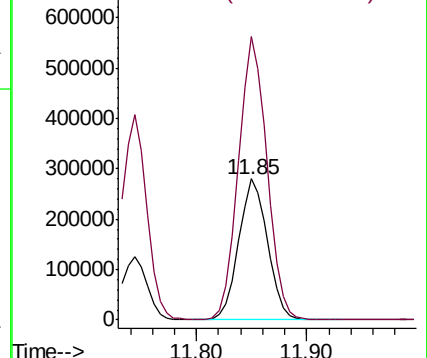
106 100

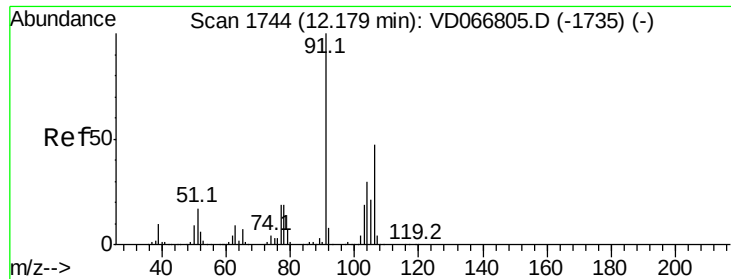
91 199.7 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

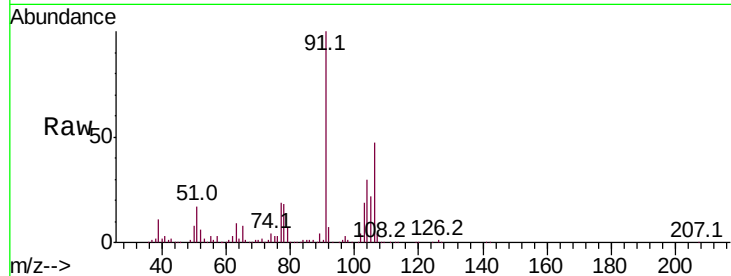




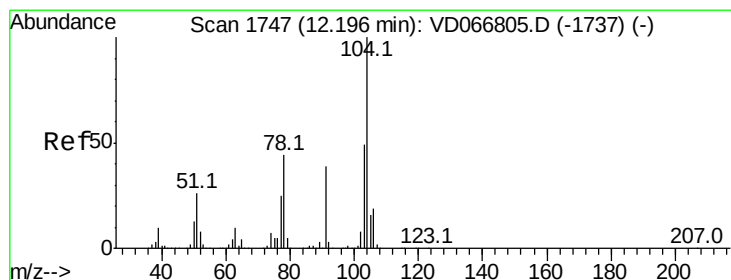
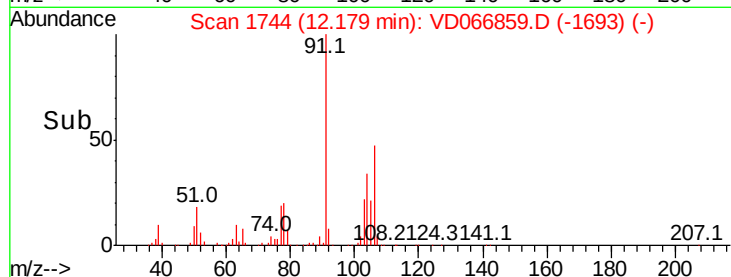
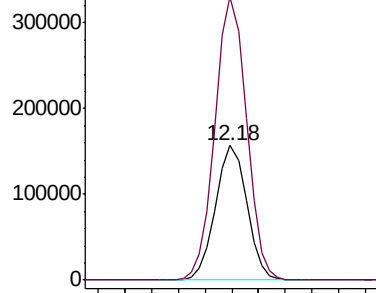
#69
o-Xylene
Concen: 50.213 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

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

Tot Ion:106 Resp: 255649
Ion Ratio Lower Upper
106 100
91 211.7 106.3 318.8

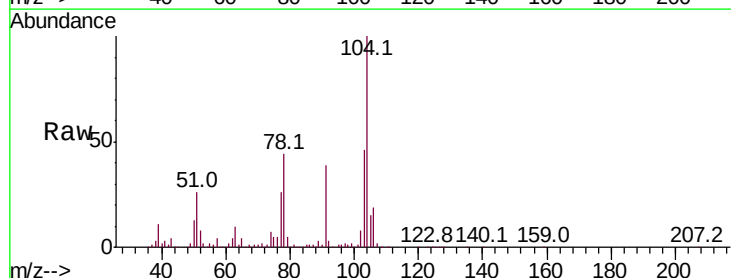


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

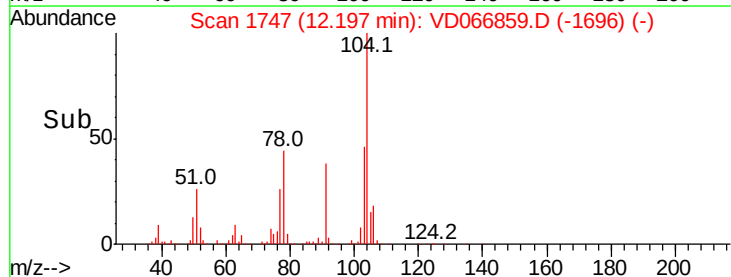
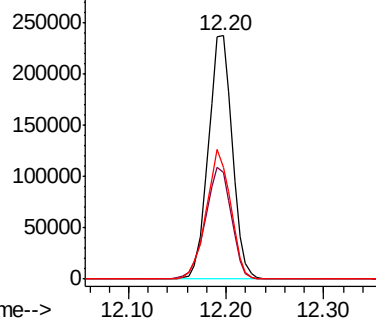


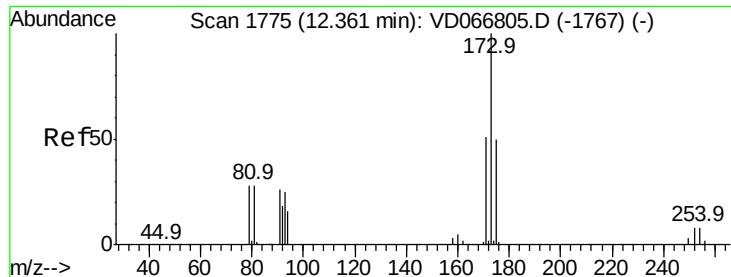
#70
Styrene
Concen: 45.896 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion:104 Resp: 405792
Ion Ratio Lower Upper
104 100
78 49.8 38.9 58.3
103 54.0 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

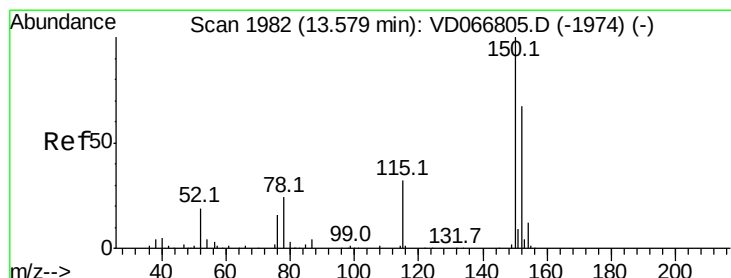
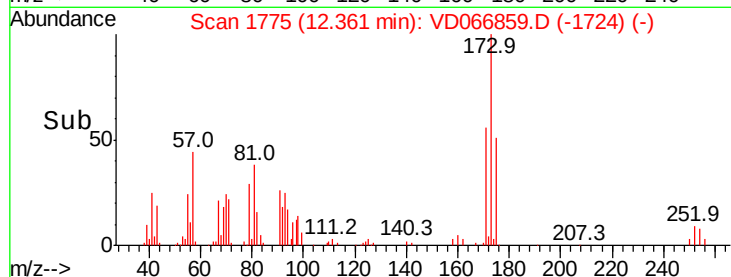
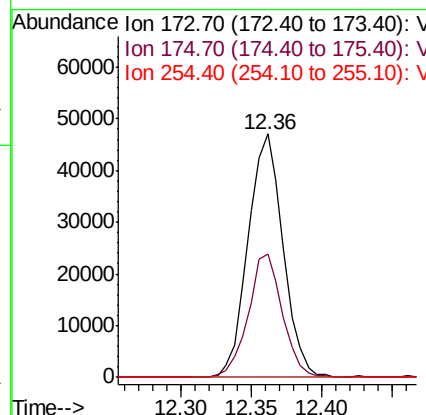
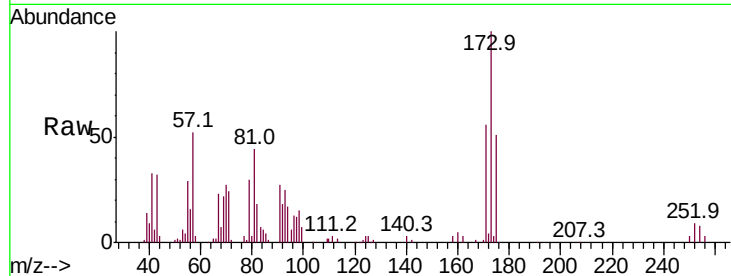




#71
Bromoform
Concen: 50.320 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

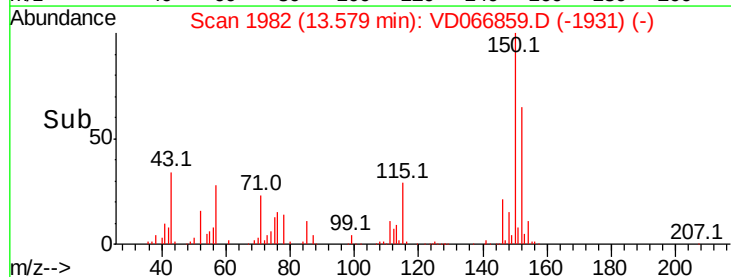
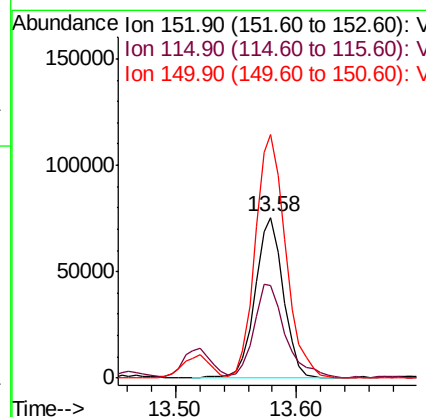
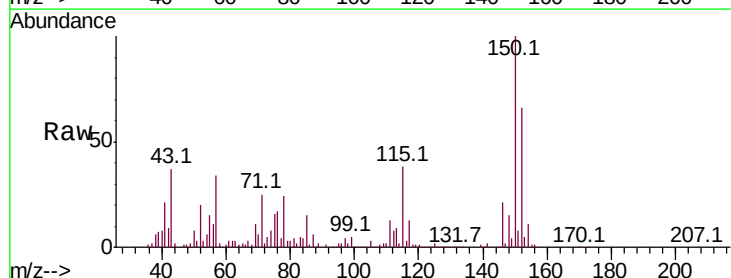
Instrument :
MSVOA_D
ClientSampleId :
B-2(4-5)MS

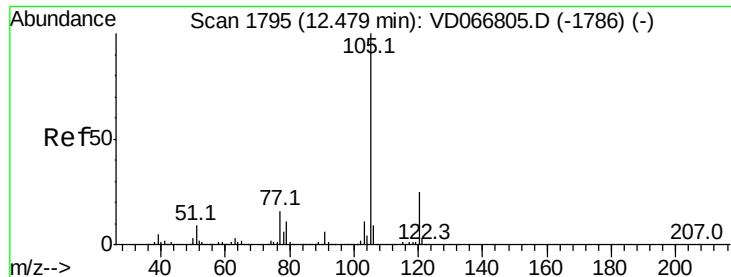
Tot Ion:173 Resp: 81648
Ion Ratio Lower Upper
173 100
175 49.4 24.9 74.6
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion:152 Resp: 123217
Ion Ratio Lower Upper
152 100
115 63.9 30.3 91.0
150 162.7 0.0 346.2





#73

Isopropylbenzene

Concen: 55.117 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

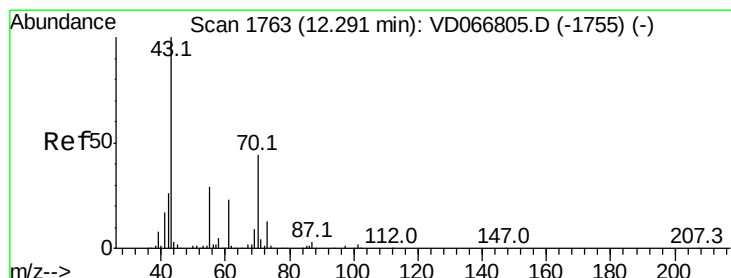
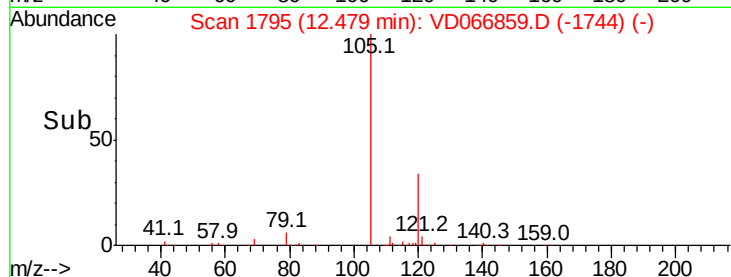
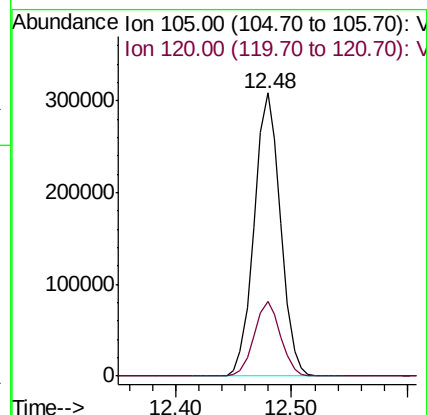
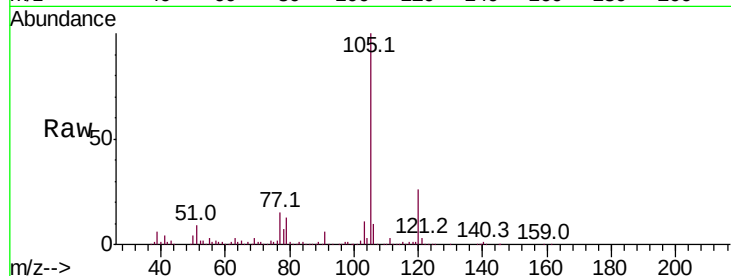
B-2(4-5)MS

Tot Ion:105 Resp: 490606

Ion Ratio Lower Upper

105 100

120 26.3 12.9 38.6



#74

N-ethyl acetate

Concen: 107.300 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Tgt Ion: 43 Resp: 186515

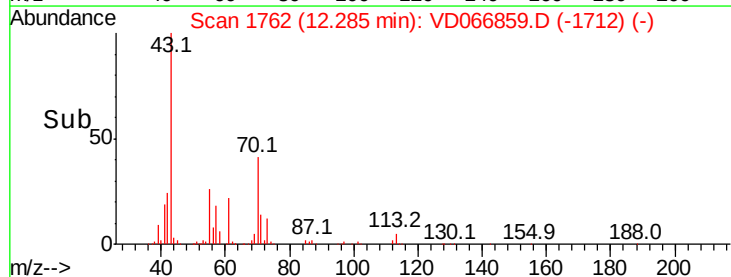
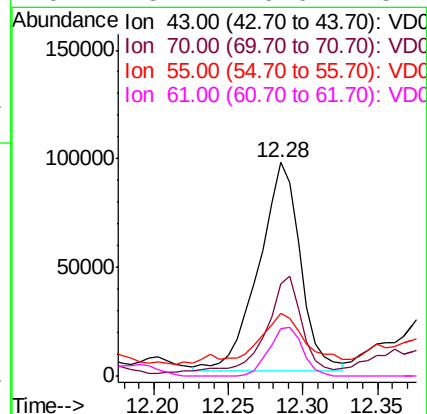
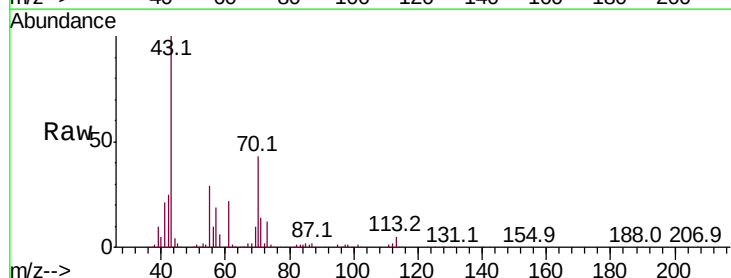
Ion Ratio Lower Upper

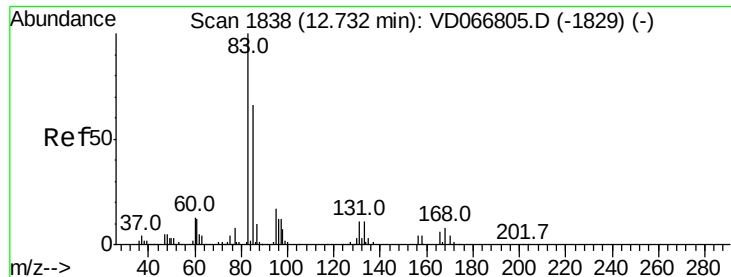
43 100

70 40.4 36.1 54.1

55 21.5 21.8 32.8#

61 18.7 19.0 28.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 76.721 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

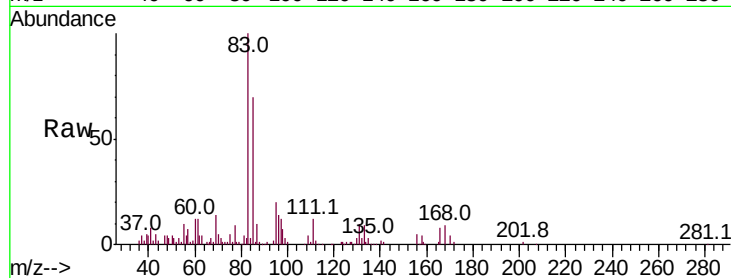
Tot Ion: 83 Resp: 117839

Ion Ratio Lower Upper

83 100

131 12.2 5.5 16.7

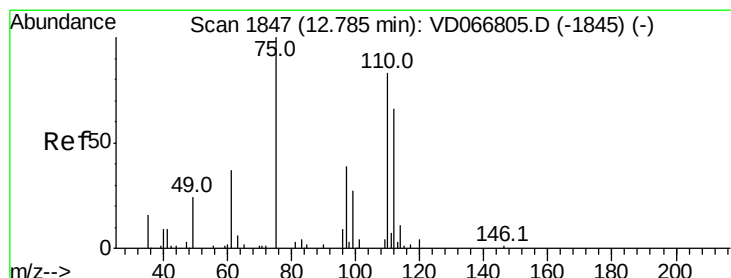
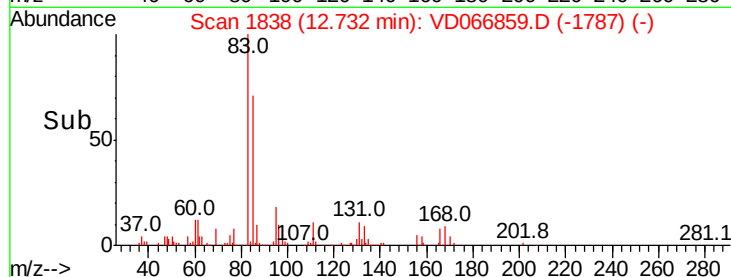
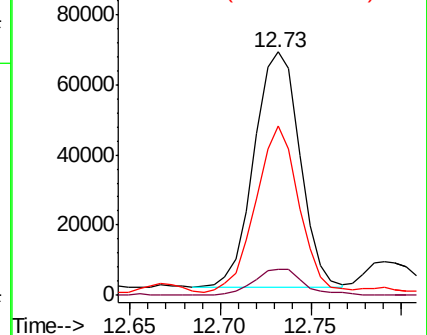
85 67.2 32.1 96.5



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: 153.660 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066859.D

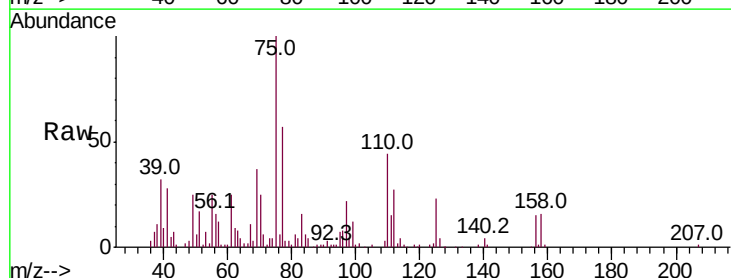
Acq: 24 Sep 2020 18:56

Tgt Ion: 75 Resp: 156906

Ion Ratio Lower Upper

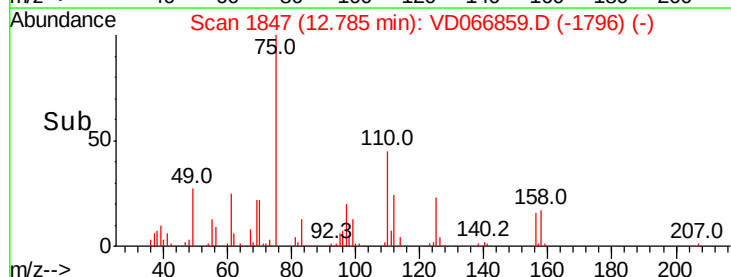
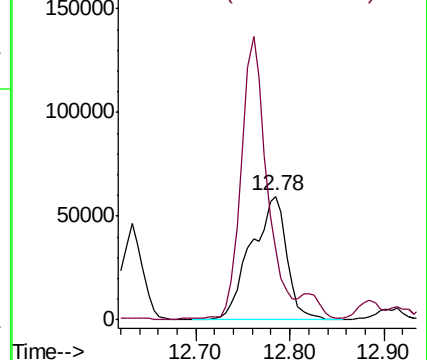
75 100

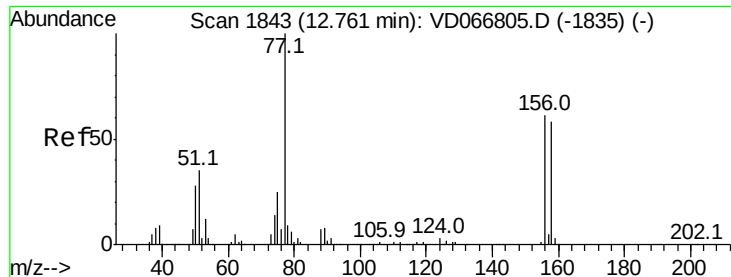
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 66.123 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

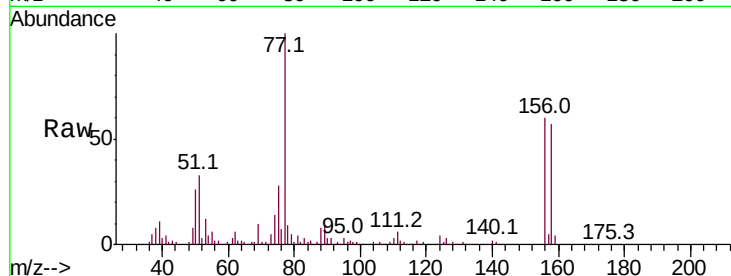
Tot Ion:156 Resp: 137654

Ion Ratio Lower Upper

156 100

77 186.0 92.3 276.9

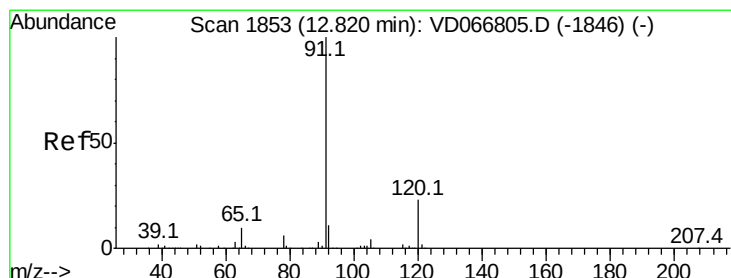
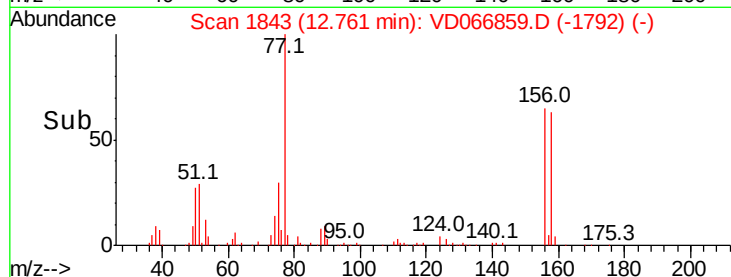
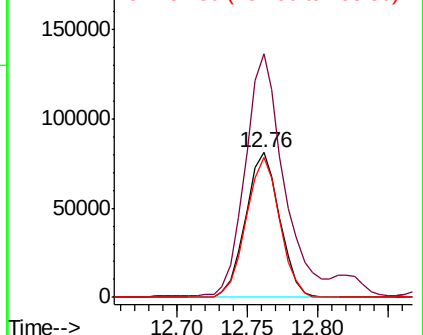
158 95.4 47.6 142.9



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: 46.379 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066859.D

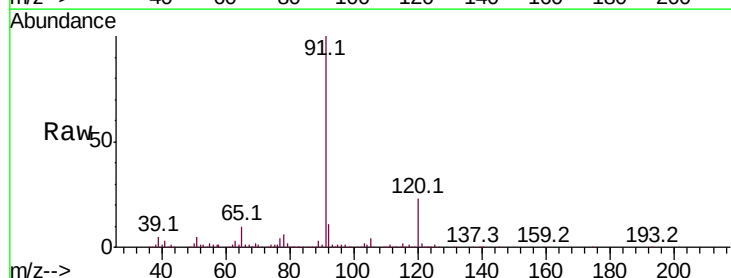
Acq: 24 Sep 2020 18:56

Tgt Ion: 91 Resp: 496656

Ion Ratio Lower Upper

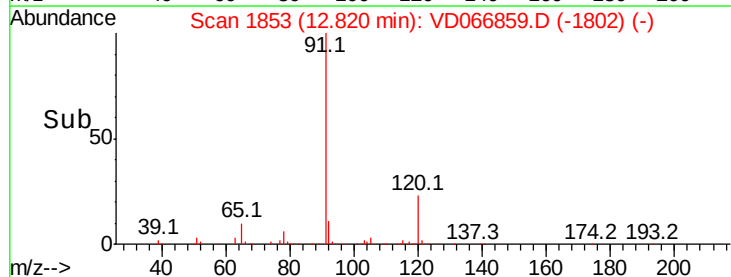
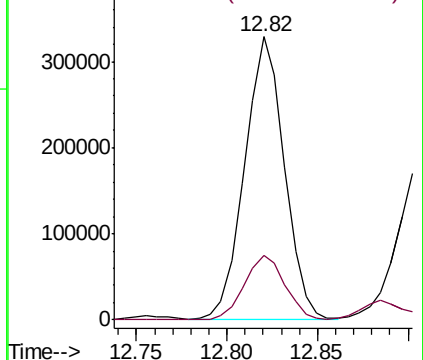
91 100

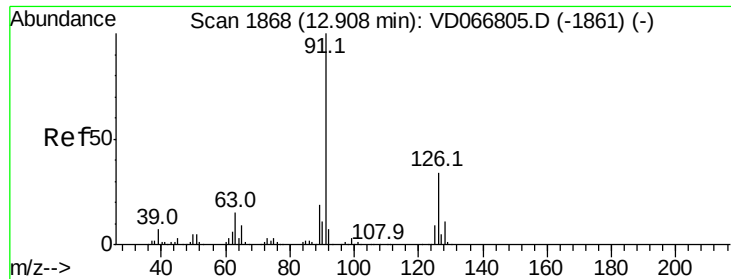
120 23.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

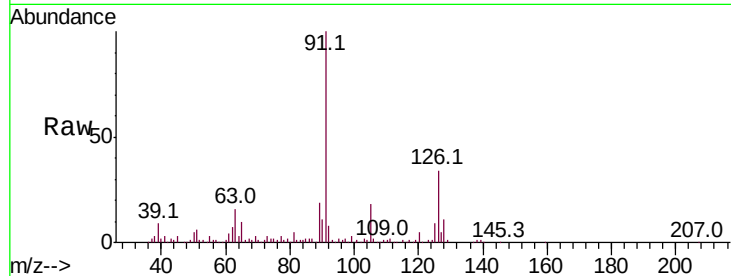




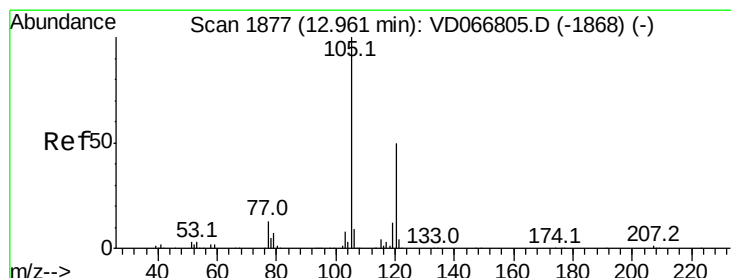
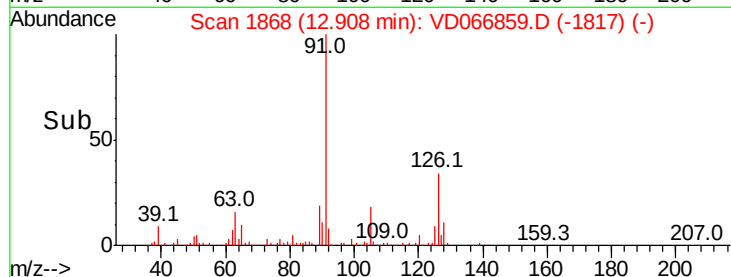
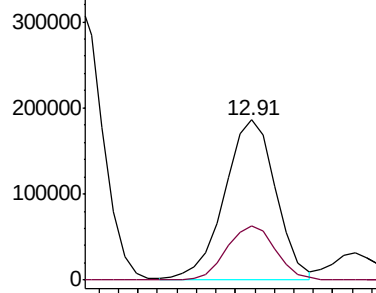
#79
 2-Chlorotoluene
 Concen: 55.054 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

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

Tot Ion: 91 Resp: 335958
 Ion Ratio Lower Upper
 91 100
 126 32.8 17.0 51.0

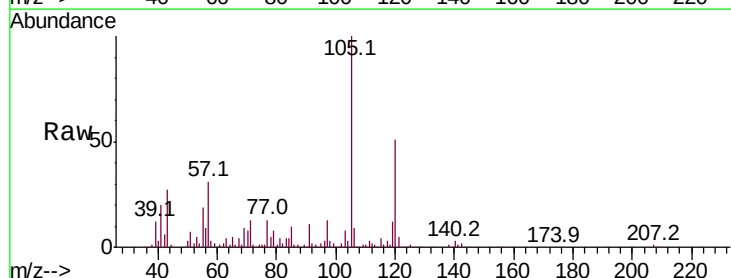


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.90 (125.60 to 126.60): V

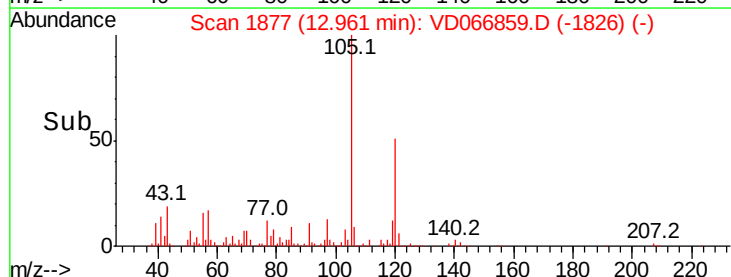
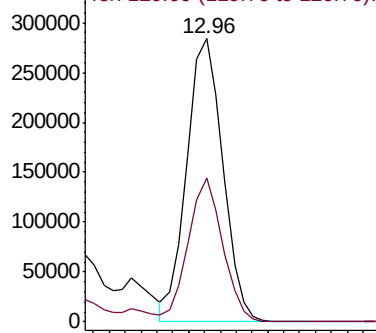


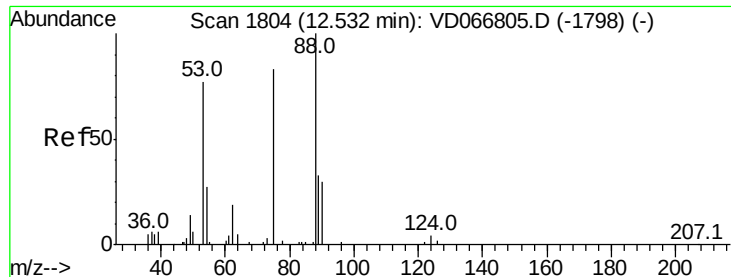
#80
 1,3,5-Trimethylbenzene
 Concen: 59.401 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion:105 Resp: 448640
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 83.896 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

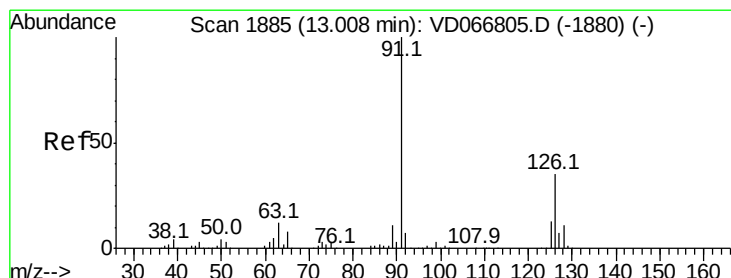
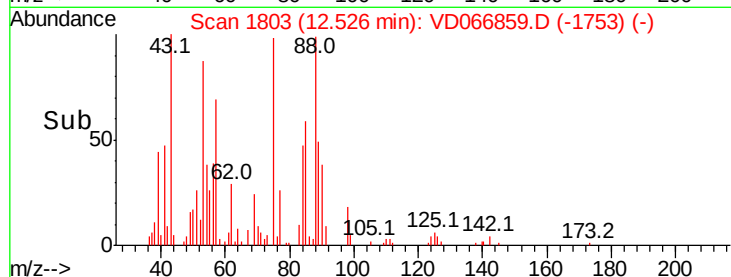
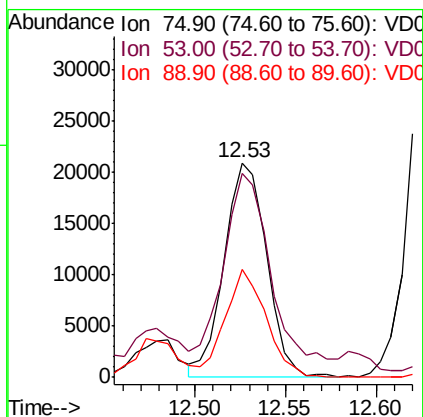
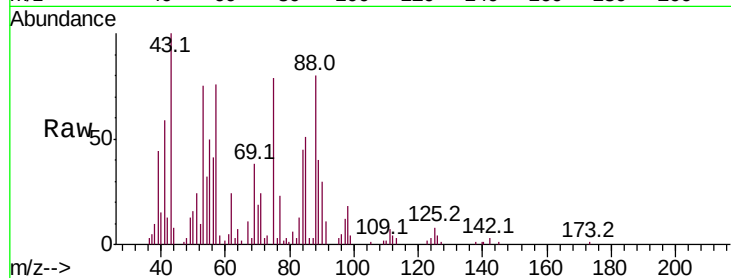
Tot Ion: 75 Resp: 34241

Ion Ratio Lower Upper

75 100

53 88.9 78.5 117.7

89 48.2 38.1 57.1



#82

4-Chlorotoluene

Concen: 50.242 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066859.D

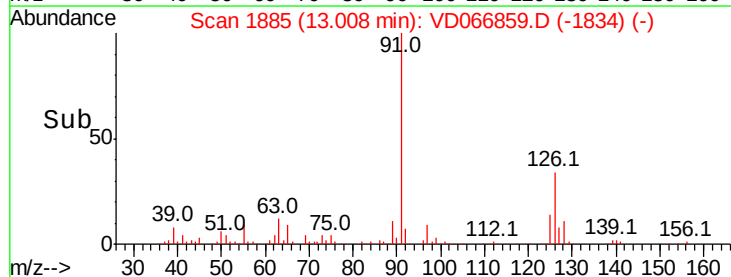
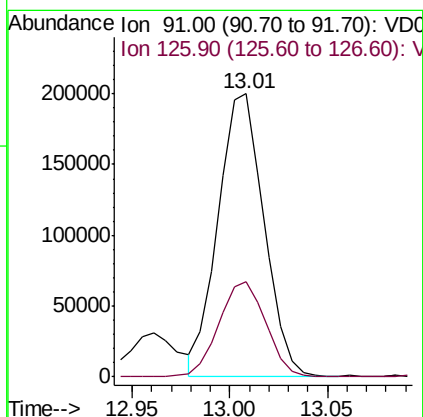
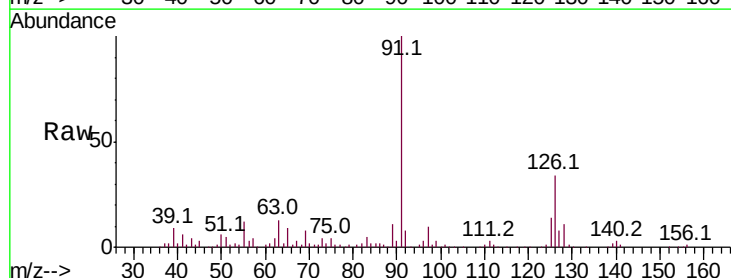
Acq: 24 Sep 2020 18:56

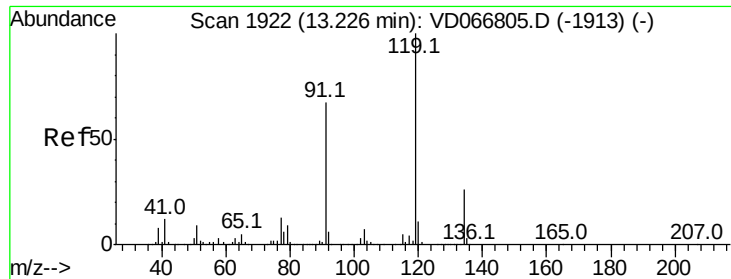
Tgt Ion: 91 Resp: 323193

Ion Ratio Lower Upper

91 100

126 34.8 17.1 51.2





#83

tert-Butylbenzene

Concen: 44.018 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

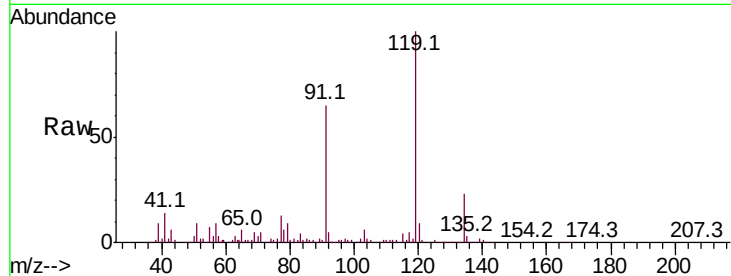
Tot Ion:119 Resp: 273191

Ion Ratio Lower Upper

119 100

91 61.8 33.6 100.8

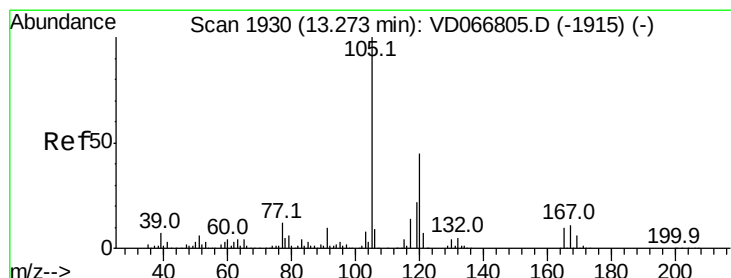
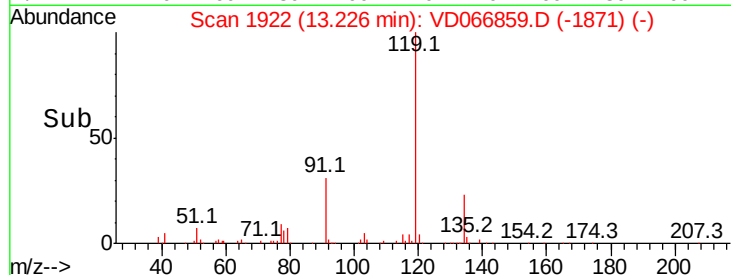
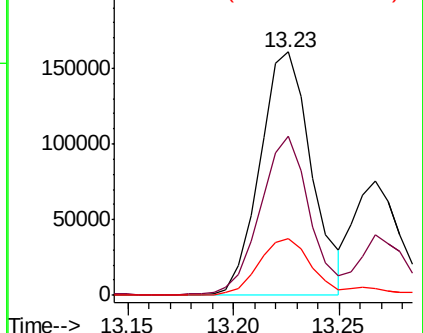
134 24.0 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 73.633 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066859.D

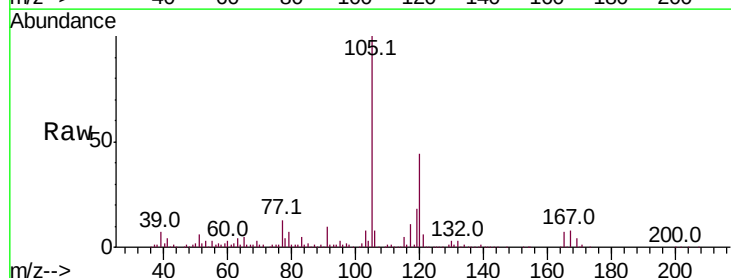
Acq: 24 Sep 2020 18:56

Tgt Ion:105 Resp: 551464

Ion Ratio Lower Upper

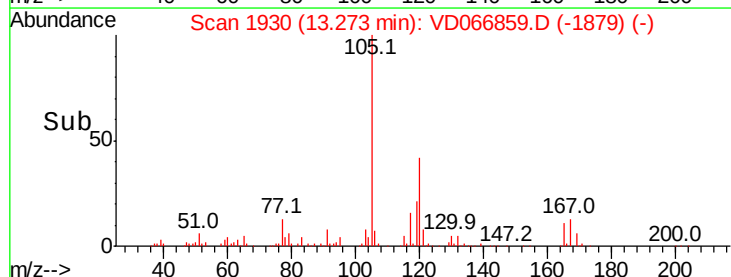
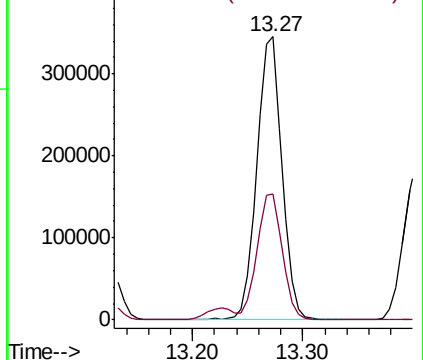
105 100

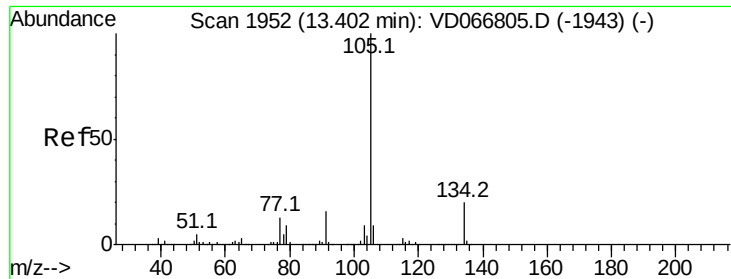
120 44.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 33.465 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

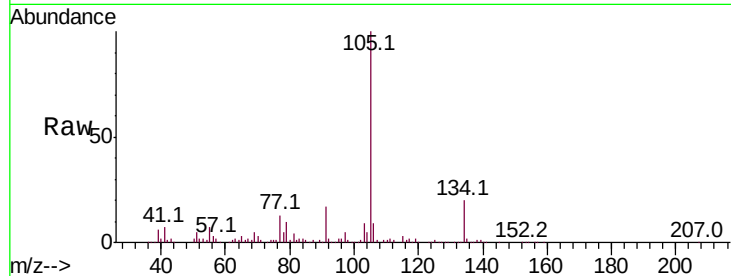
B-2(4-5)MS

Tot Ion:105 Resp: 298666

Ion Ratio Lower Upper

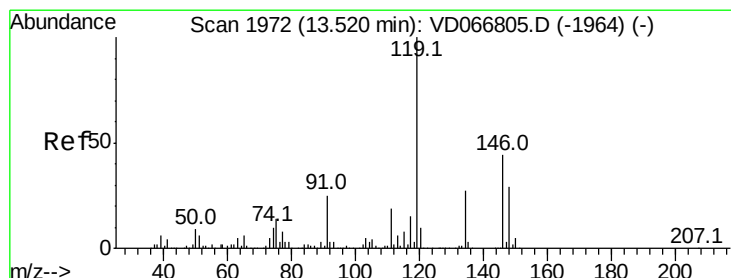
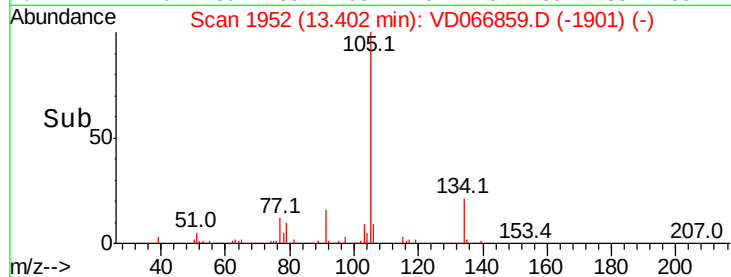
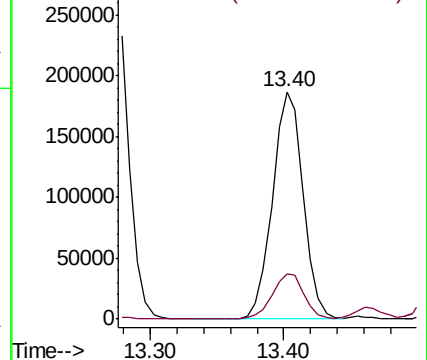
105 100

134 20.6 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 36.670 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

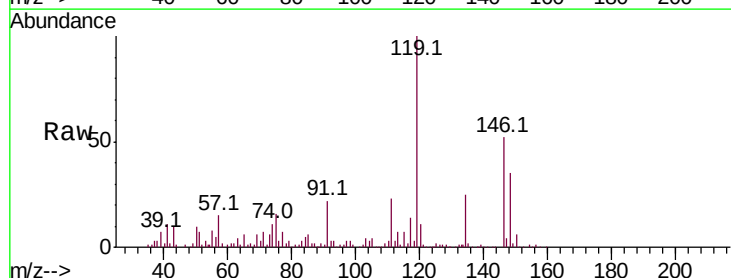
Tgt Ion:119 Resp: 295000

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

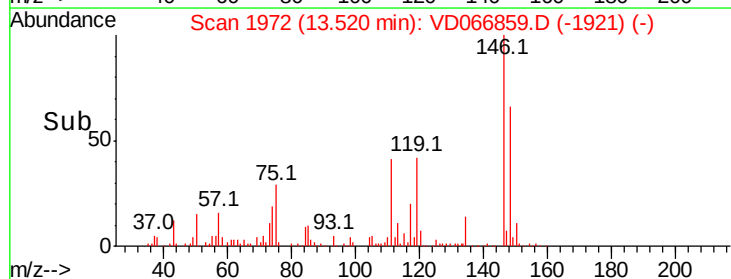
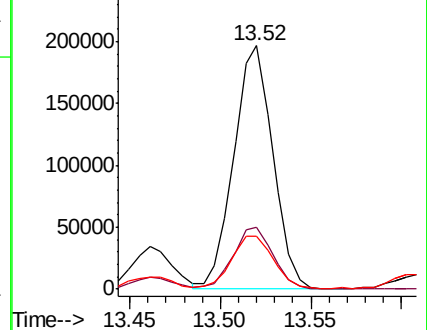
91 22.9 12.0 36.1

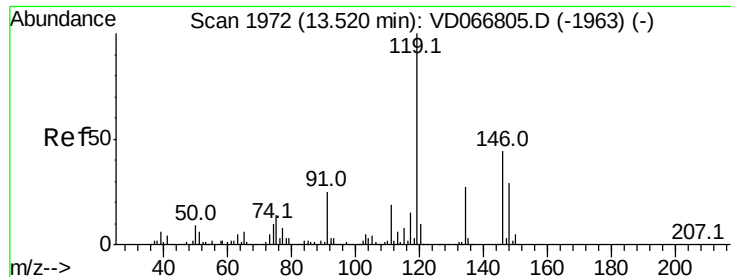


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

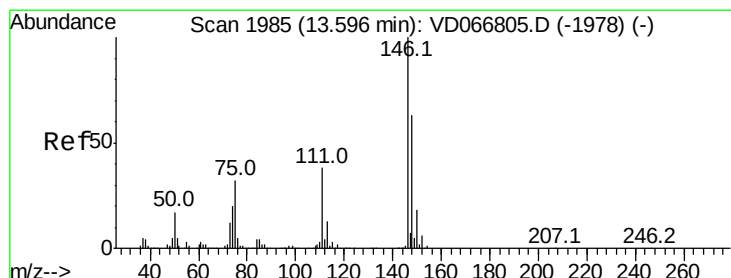
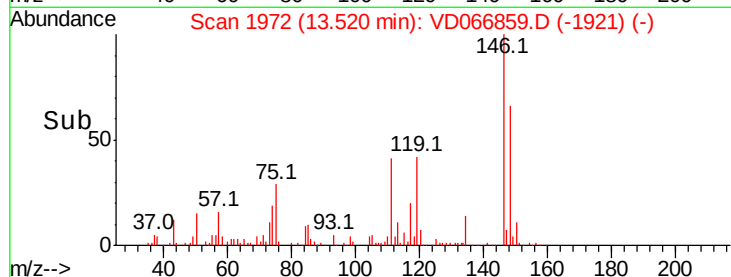
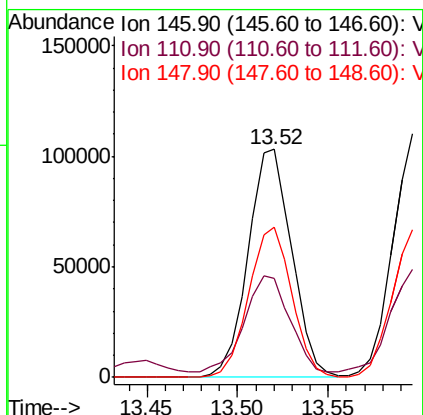
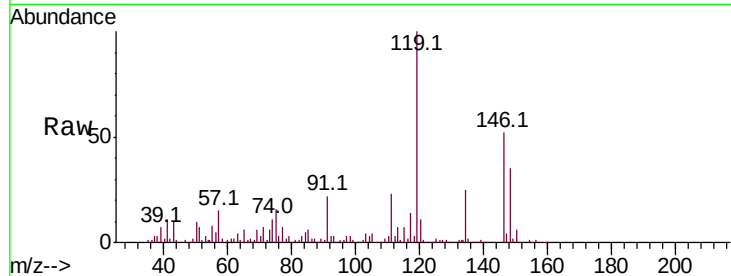




#87
 1,3-Dichlorobenzene
 Concen: 41.900 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

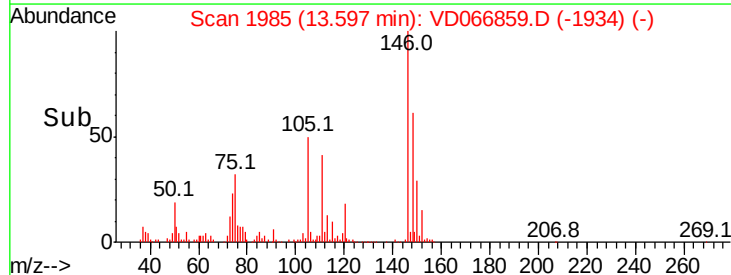
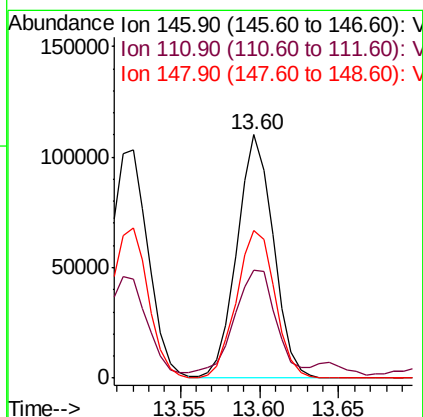
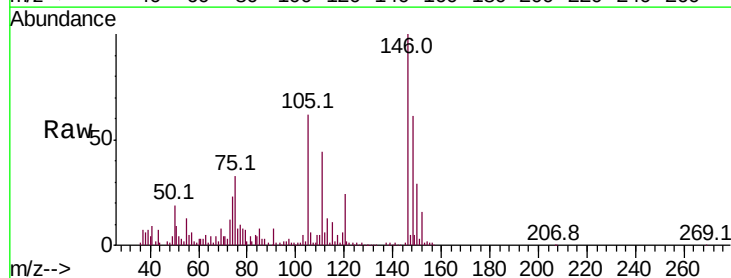
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

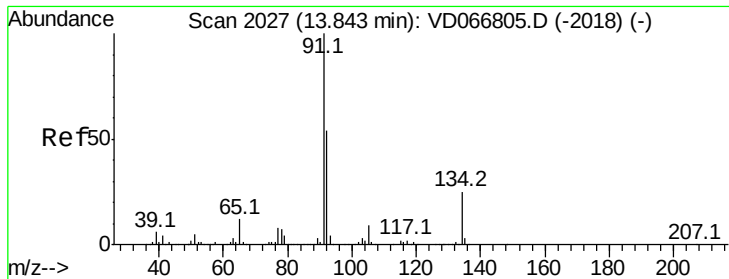
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.3	60.9
148	65.1	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 42.923 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	20.2	60.5
148	64.1	31.6	94.7





#89

n-Butylbenzene

Concen: 29.133 ug/l

RT: 13.84 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VD066859.D

Acq: 24 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

B-2(4-5)MS

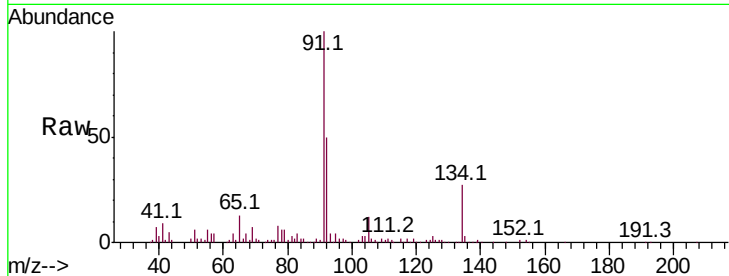
Tot Ion: 91 Resp: 222760

Ion Ratio Lower Upper

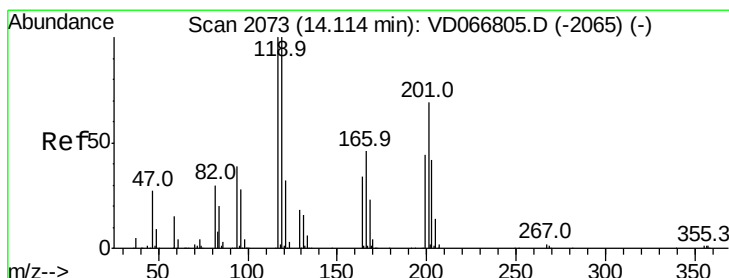
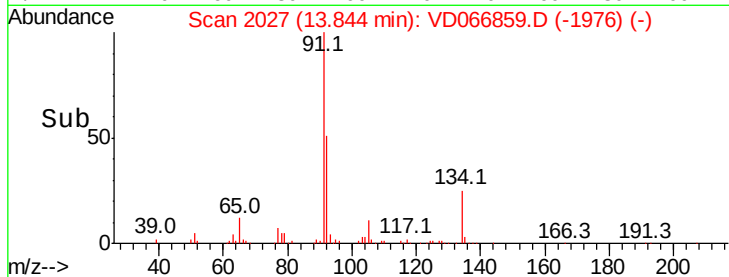
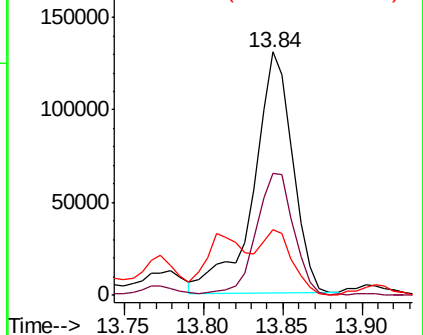
91 100

92 48.4 26.7 80.0

134 21.0 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: 36.167 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VD066859.D

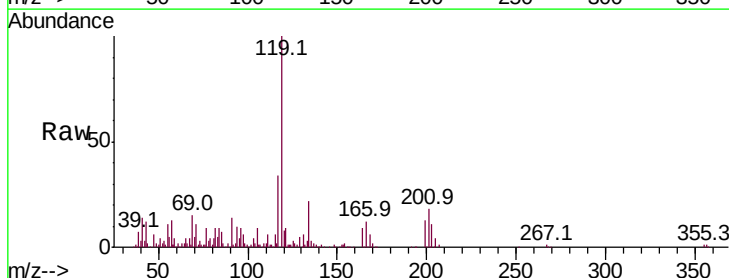
Acq: 24 Sep 2020 18:56

Tgt Ion: 117 Resp: 59069

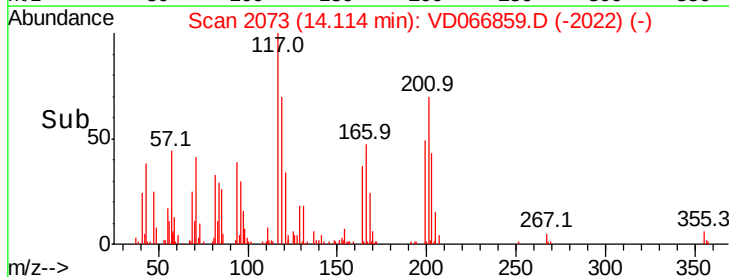
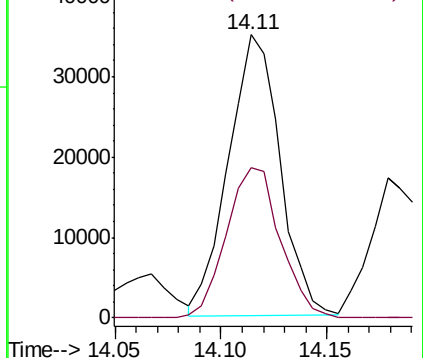
Ion Ratio Lower Upper

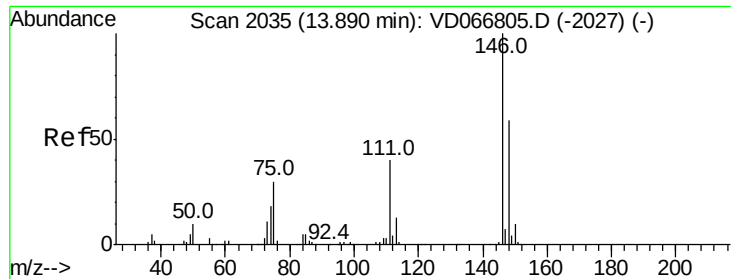
117 100

201 56.1 33.7 101.0



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

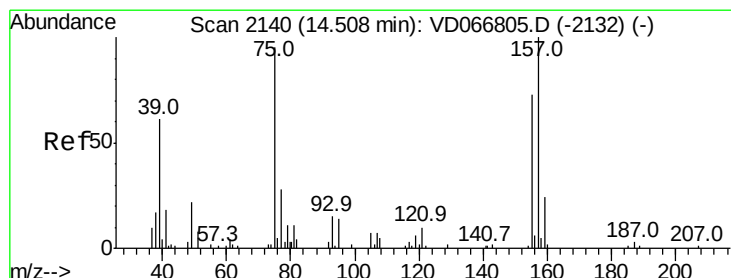
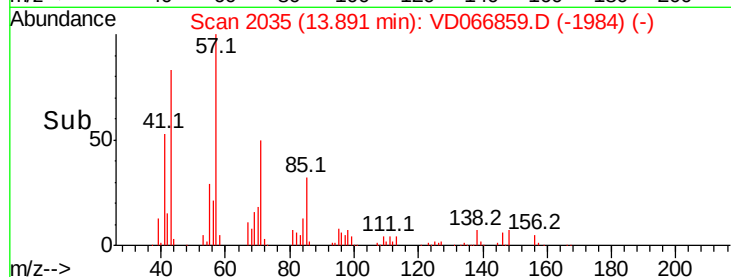
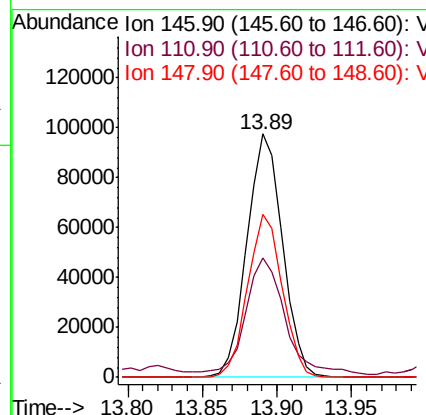
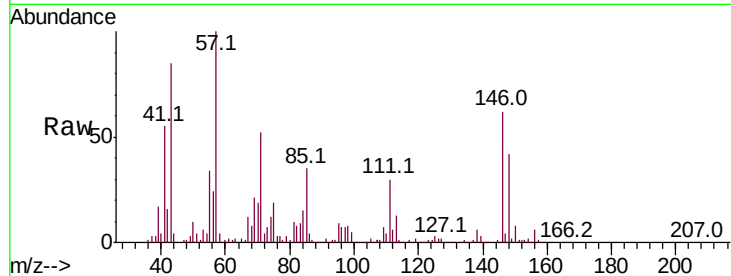




#91
 1,2-Dichlorobenzene
 Concen: 45.700 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

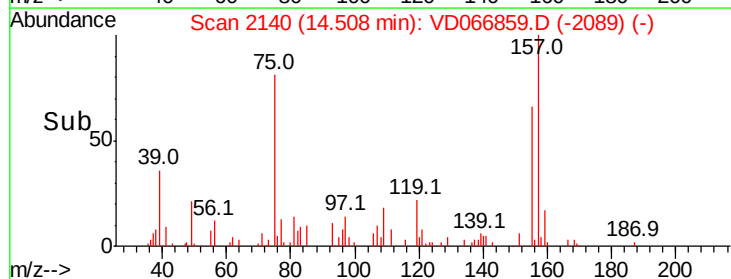
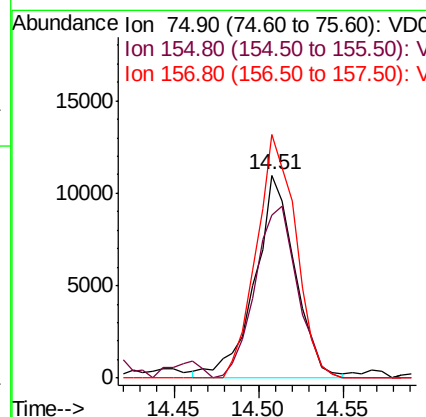
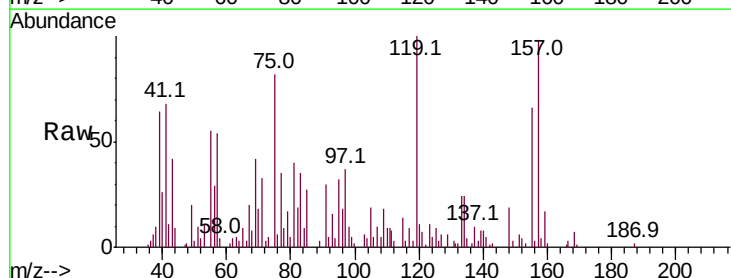
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

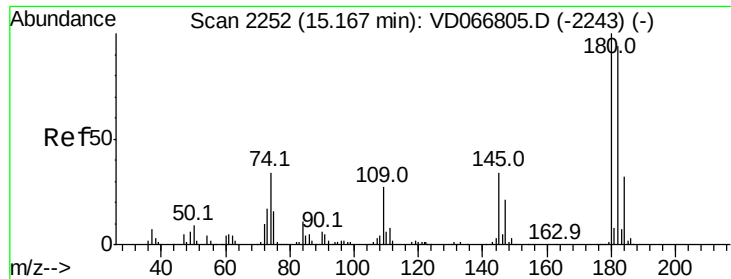
Tot Ion:146 Resp: 160807
 Ion Ratio Lower Upper
 146 100
 111 52.9 20.9 62.7
 148 65.2 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.798 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion: 75 Resp: 18234
 Ion Ratio Lower Upper
 75 100
 155 88.9 40.4 121.2
 157 116.9 51.3 153.9

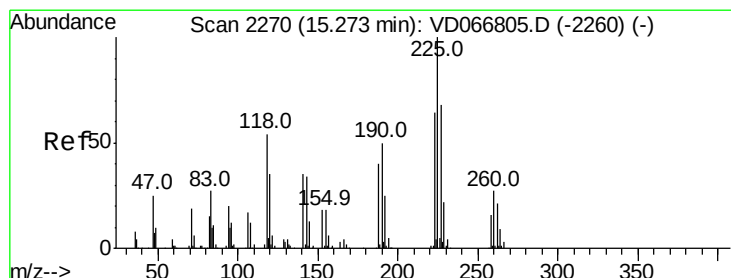
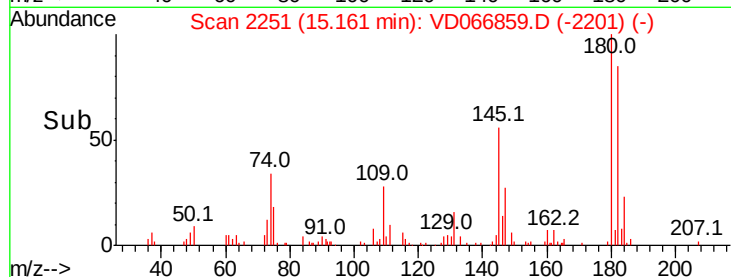
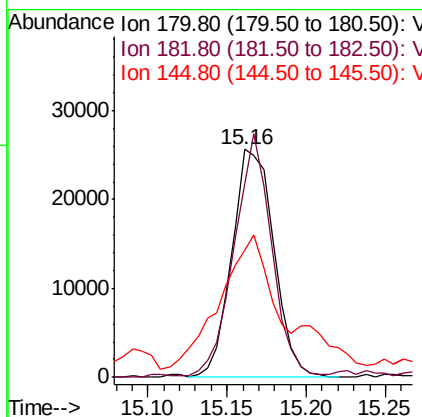
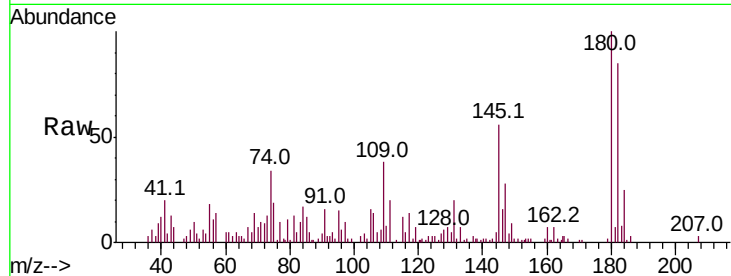




#93
 1,2,4-Trichlorobenzene
 Concen: 21.360 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

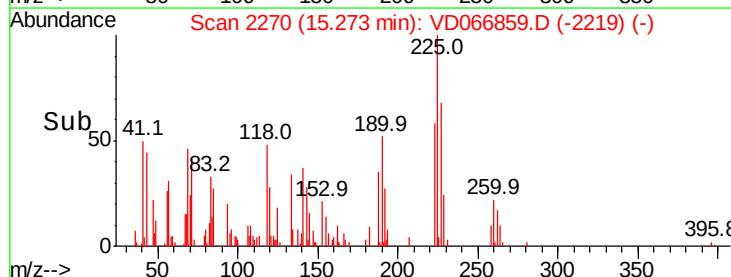
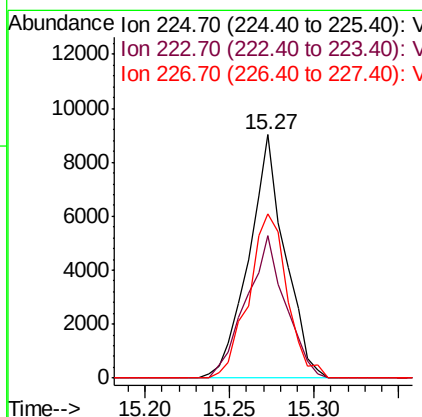
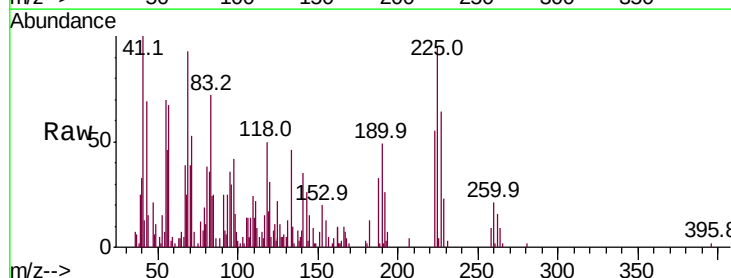
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(4-5)MS

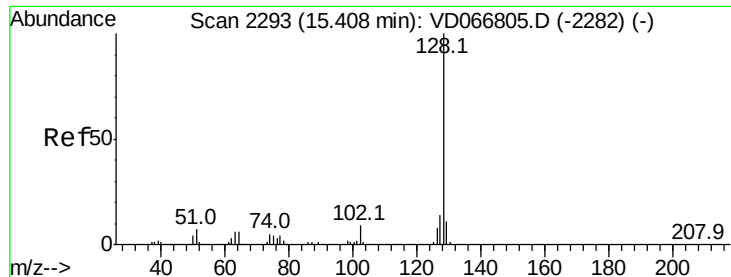
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.8	146.3
145	71.8	16.7	50.0#



#94
 Hexachlorobutadiene
 Concen: 10.176 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066859.D
 Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.3
227	71.7	31.7	95.1

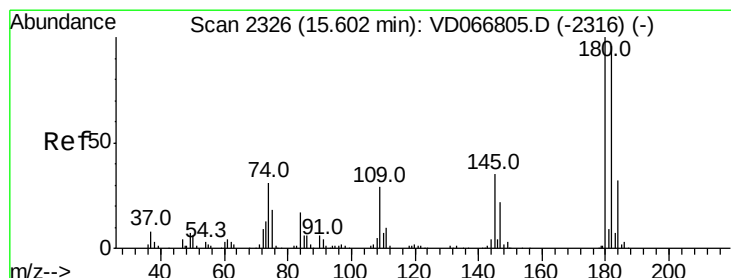
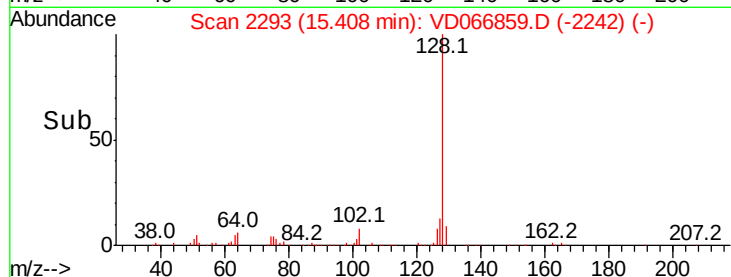
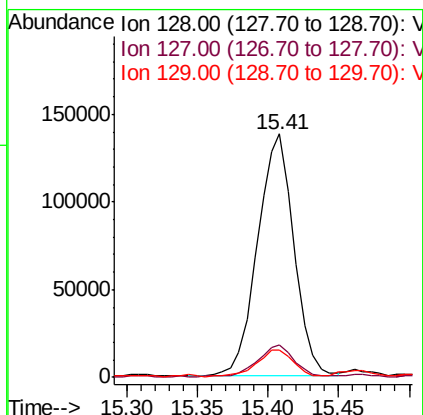
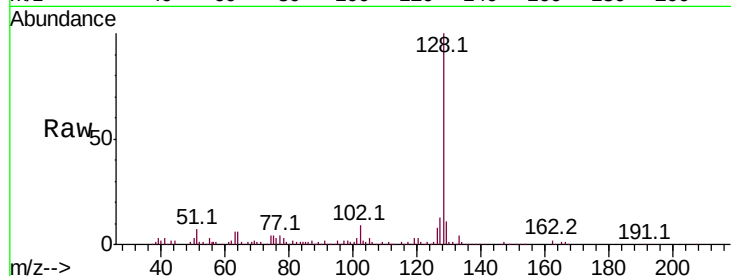




#95
Naphthalene
Concen: 66.523 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.7	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.647 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066859.D
Acq: 24 Sep 2020 18:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.8	140.3
145	99.2	17.0	51.0#

