

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066542.D
 Acq On : 03 Sep 2020 18:39
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

Quant Time: Sep 04 05:53:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	351514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	602093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	549128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255848	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	236888	55.70	ug/l	0.00
Spiked Amount			Recovery	=	111.40%	
35) Dibromofluoromethane	7.91	113	214931	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
50) Toluene-d8	10.34	98	794800	54.75	ug/l	0.00
Spiked Amount			Recovery	=	109.50%	
62) 4-Bromofluorobenzene	12.63	95	268303	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	154128	53.364	ug/l	87
3) Chloromethane	2.21	50	220754	49.659	ug/l	97
4) Vinyl Chloride	2.35	62	259634	52.659	ug/l	98
5) Bromomethane	2.77	94	181321	58.988	ug/l	87
6) Chloroethane	2.92	64	165653	52.896	ug/l	95
7) Trichlorofluoromethane	3.27	101	361469	49.628	ug/l	97
8) Diethyl Ether	3.71	74	93873	51.181	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197165	50.017	ug/l	98
10) Methyl Iodide	4.30	142	197263	54.470	ug/l	98
11) Tert butyl alcohol	5.21	59	71973	275.123	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	183279	51.751	ug/l	98
13) Acrolein	3.92	56	43822	251.999	ug/l	93
14) Allyl chloride	4.71	41	310015	53.413	ug/l	98
15) Acrylonitrile	5.42	53	216477	274.754	ug/l	98
16) Acetone	4.16	43	176114	225.055	ug/l	94
17) Carbon Disulfide	4.41	76	603435	51.830	ug/l	98
18) Methyl Acetate	4.71	43	99338	53.252	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	469080	56.482	ug/l	93
20) Methylene Chloride	4.96	84	225921	53.429	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	220471	52.424	ug/l	98
22) Diisopropyl ether	6.36	45	677388	56.753	ug/l	97
23) Vinyl Acetate	6.30	43	1966463	289.515	ug/l	99
24) 1,1-Dichloroethane	6.26	63	399429	53.216	ug/l	100
25) 2-Butanone	7.21	43	279548	266.117	ug/l	97
26) 2,2-Dichloropropane	7.21	77	345746	50.217	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	248616	54.973	ug/l	97
28) Bromochloromethane	7.54	49	167188	57.856	ug/l	98
29) Tetrahydrofuran	7.56	42	179582	274.496	ug/l	98
30) Chloroform	7.71	83	427050	53.780	ug/l	94
31) Cyclohexane	7.98	56	341135	49.167	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	392029	52.510	ug/l	99
36) 1,1-Dichloropropene	8.11	75	320127	51.090	ug/l	99
37) Ethyl Acetate	7.29	43	133019	53.312	ug/l	95
38) Carbon Tetrachloride	8.09	117	337958	51.028	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	371937	53.157	ug/l	98
40) Benzene	8.34	78	891090	51.925	ug/l	98
41) Methacrylonitrile	7.56	41	183293	151.762	ug/l #	19
42) 1,2-Dichloroethane	8.42	62	279732	50.309	ug/l	100
43) Isopropyl Acetate	8.45	43	254039	53.129	ug/l	98
44) Trichloroethene	9.11	130	228192	50.692	ug/l	93
45) 1,2-Dichloropropane	9.38	63	221924	51.423	ug/l	94
46) Dibromomethane	9.47	93	123163	51.727	ug/l	97
47) Bromodichloromethane	9.66	83	335138	52.025	ug/l	98
48) Methyl methacrylate	9.45	41	124100	51.327	ug/l	95
49) 1,4-Dioxane	9.46	88	26270	1005.681	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	648663	268.991	ug/l	99
52) Toluene	10.40	92	566180	52.120	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	301109	52.950	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	356169	52.155	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	159029	51.947	ug/l	95
56) Ethyl methacrylate	10.66	69	198248	55.617	ug/l	95
57) 1,3-Dichloropropane	10.94	76	281612	52.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	409803	251.353	ug/l	100
59) 2-Hexanone	10.98	43	436895	269.411	ug/l	100
60) Dibromochloromethane	11.14	129	214901	53.085	ug/l	100
61) 1,2-Dibromoethane	11.24	107	151102	50.733	ug/l	96
64) Tetrachloroethene	10.87	164	183024	49.502	ug/l	96
65) Chlorobenzene	11.67	112	584219	51.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	222442	51.426	ug/l	99
67) Ethyl Benzene	11.74	91	1095892	52.660	ug/l	100
68) m/p-Xylenes	11.85	106	822468	106.440	ug/l	98
69) o-Xylene	12.18	106	368189	53.169	ug/l	97
70) Styrene	12.20	104	655305	54.431	ug/l	99
71) Bromoform	12.36	173	113370	52.007	ug/l #	98
73) Isopropylbenzene	12.48	105	1027403	54.237	ug/l	100
74) N-amyl acetate	12.29	43	228148	53.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	172785	51.631	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	235595	95.748	ug/l #	100
77) Bromobenzene	12.76	156	219965	52.086	ug/l	98
78) n-propylbenzene	12.82	91	1238350	53.927	ug/l	100
79) 2-Chlorotoluene	12.91	91	706711	54.859	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	868169	54.453	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55299	52.469	ug/l	98
82) 4-Chlorotoluene	13.01	91	730150	53.002	ug/l	100
83) tert-Butylbenzene	13.23	119	715559	54.960	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	872079	54.939	ug/l	99
85) sec-Butylbenzene	13.40	105	1021322	54.448	ug/l	98
86) p-Isopropyltoluene	13.52	119	914158	54.146	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	440295	52.516	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	431212	51.243	ug/l	99
89) n-Butylbenzene	13.85	91	876667	53.285	ug/l	99
90) Hexachloroethane	14.11	117	192849	53.012	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	368617	50.301	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29137	51.254	ug/l	97

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

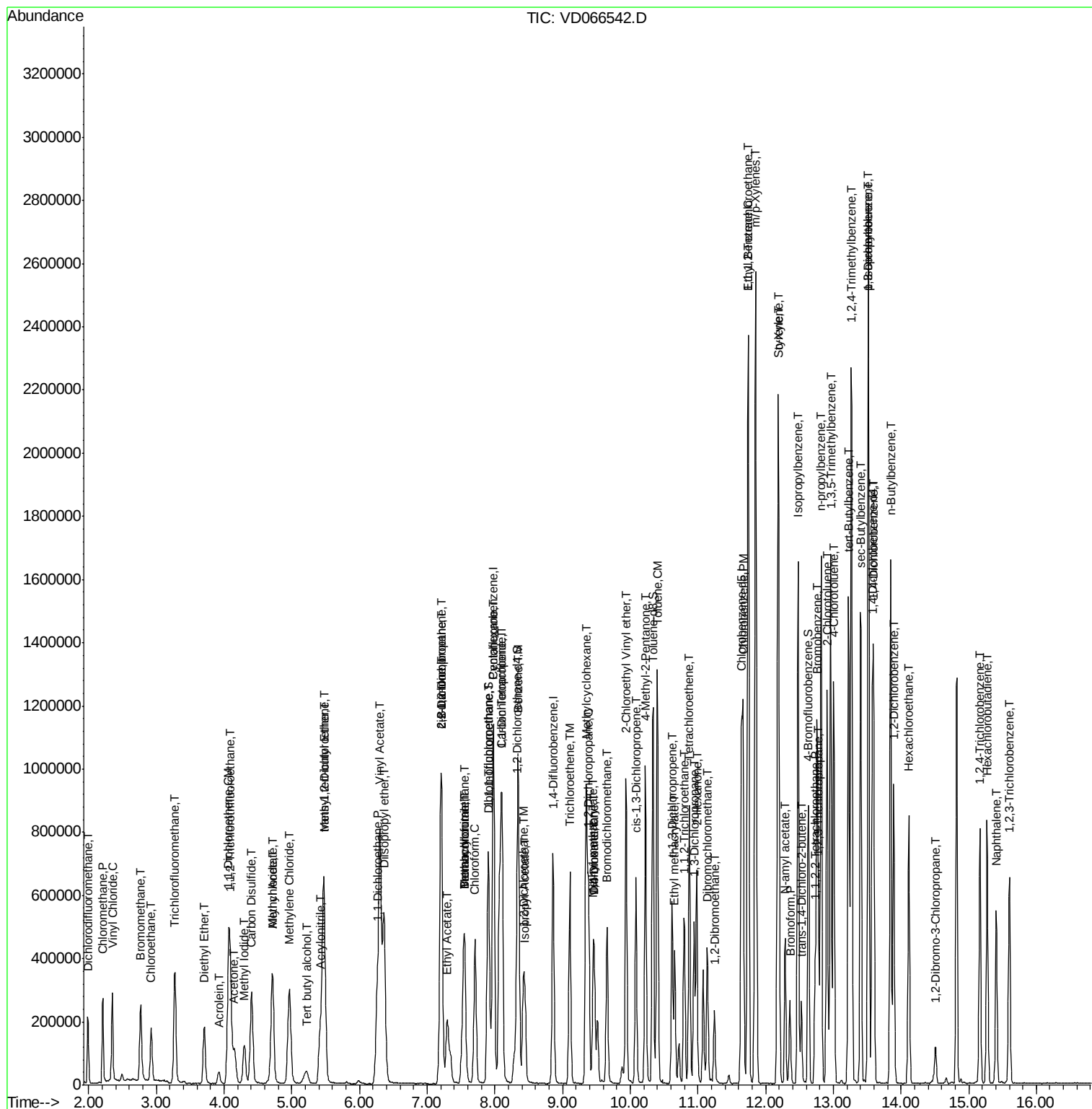
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	235517	53.551	ug/l	99
94) Hexachlorobutadiene	15.27	225	133817	50.646	ug/l	98
95) Naphthalene	15.41	128	450396	58.605	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	206687	55.123	ug/l	98

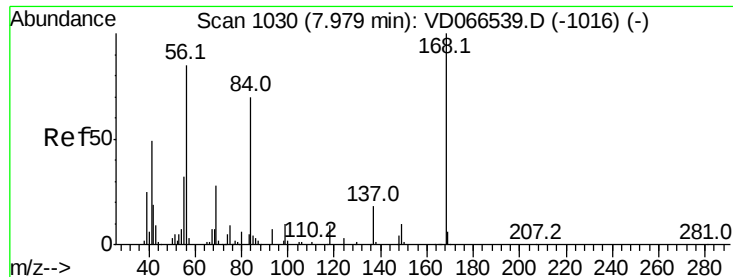
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

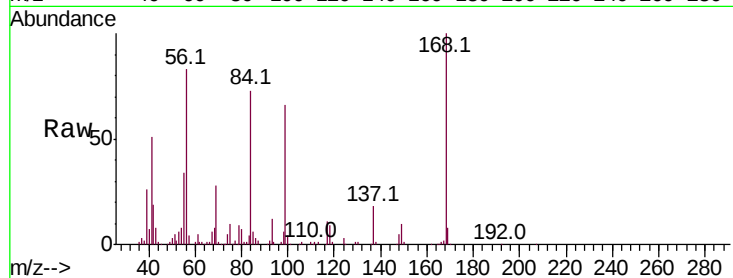
ICVVD090320

Tot Ion:168 Resp: 351514

Ion Ratio Lower Upper

168 100

99 66.2 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

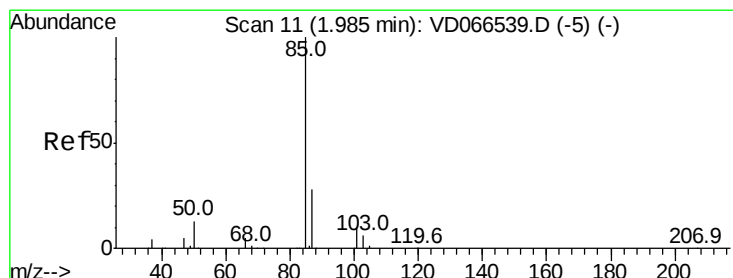
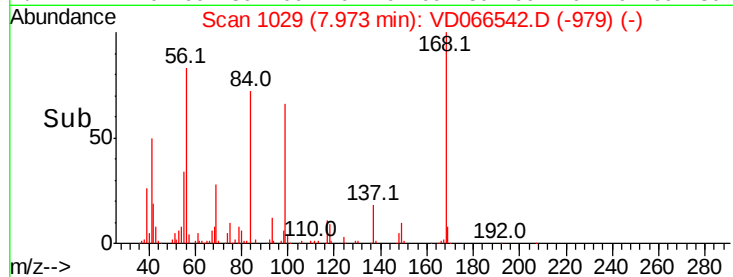
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.364 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066542.D

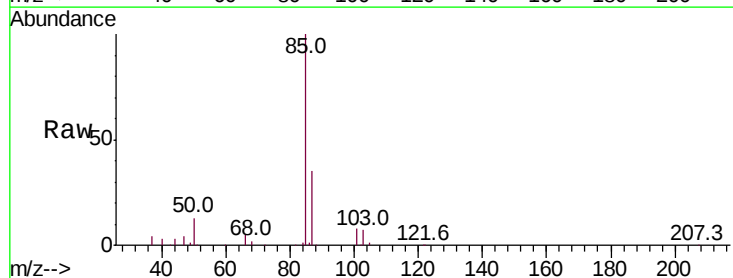
Acq: 03 Sep 2020 18:39

Tgt Ion: 85 Resp: 154128

Ion Ratio Lower Upper

85 100

87 35.5 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

120000

100000

80000

60000

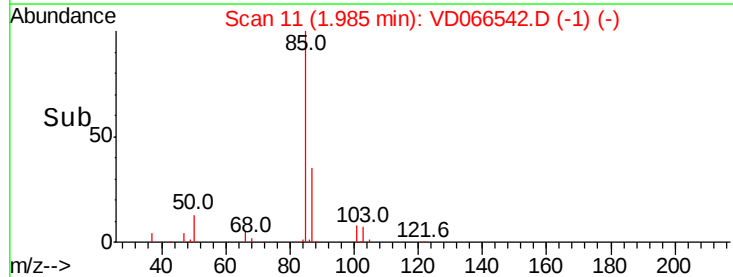
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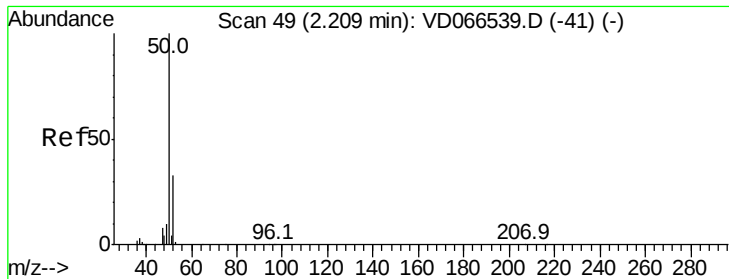
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 49.659 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

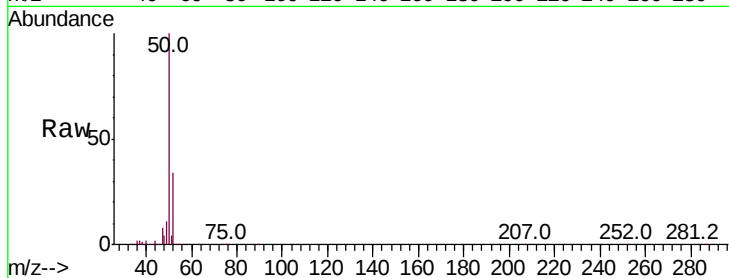
ICVVD090320

Tot Ion: 50 Resp: 220754

Ion Ratio Lower Upper

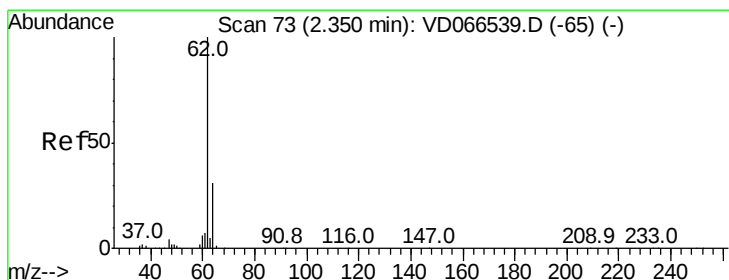
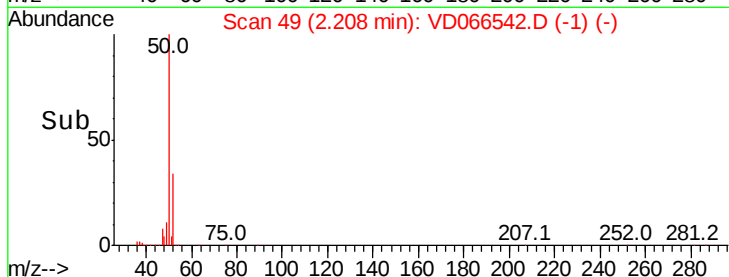
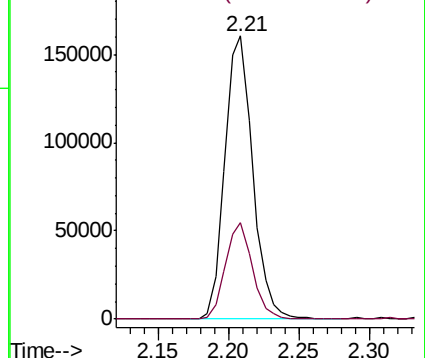
50 100

52 34.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.659 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066542.D

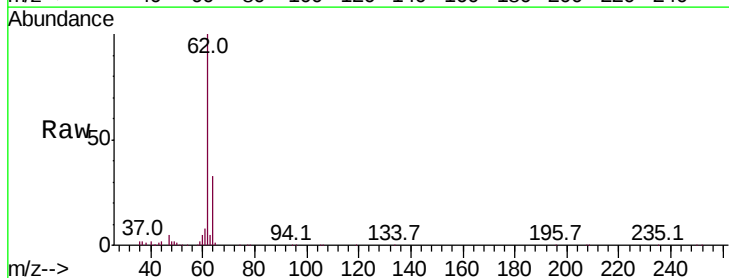
Acq: 03 Sep 2020 18:39

Tgt Ion: 62 Resp: 259634

Ion Ratio Lower Upper

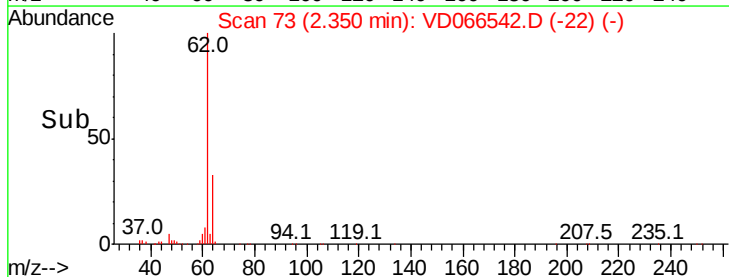
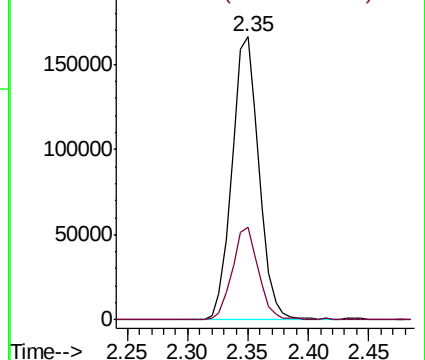
62 100

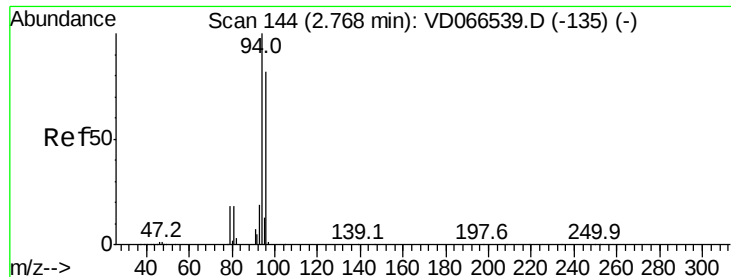
64 32.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 58.988 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

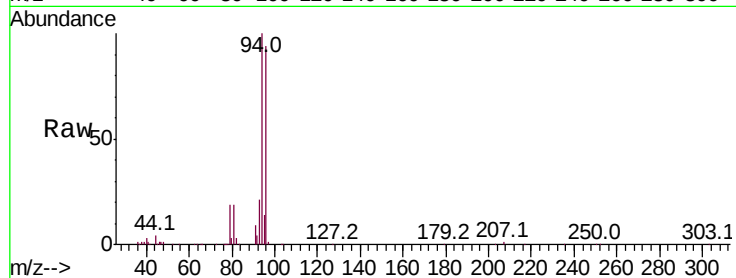
ICVVD090320

Tot Ion: 94 Resp: 181321

Ion Ratio Lower Upper

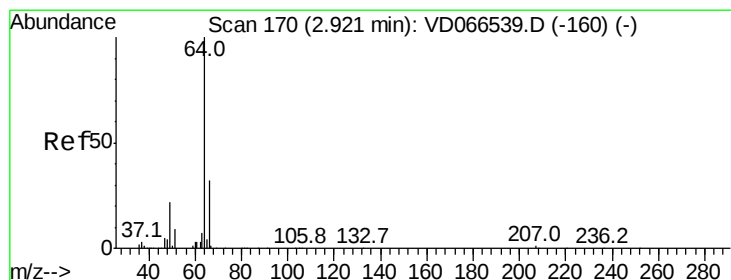
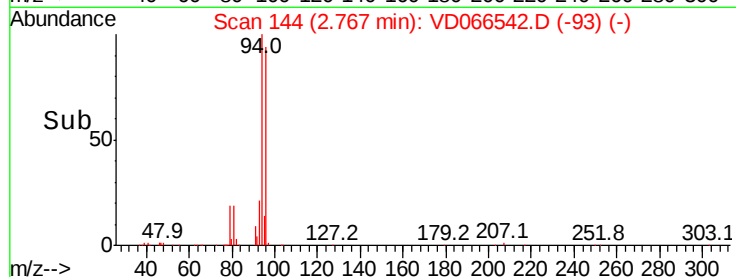
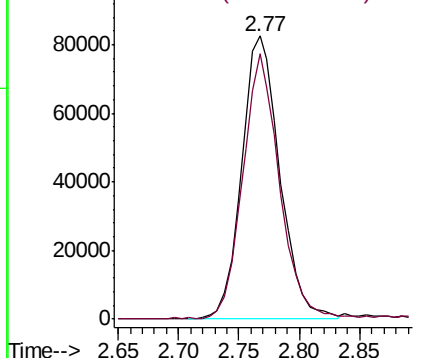
94 100

96 92.9 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.896 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066542.D

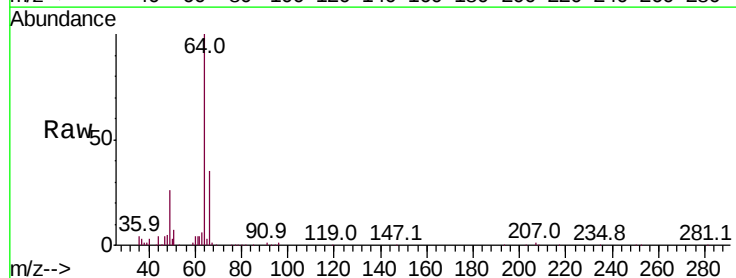
Acq: 03 Sep 2020 18:39

Tgt Ion: 64 Resp: 165653

Ion Ratio Lower Upper

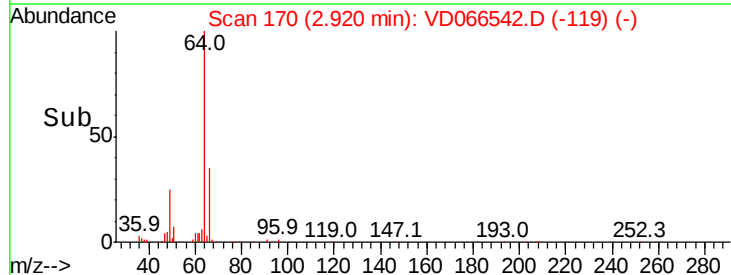
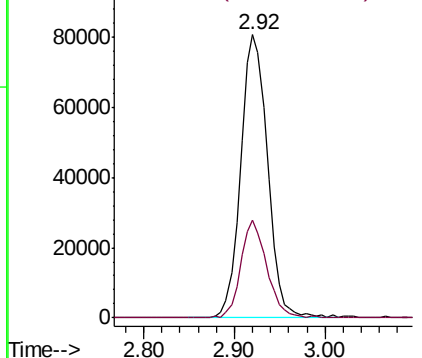
64 100

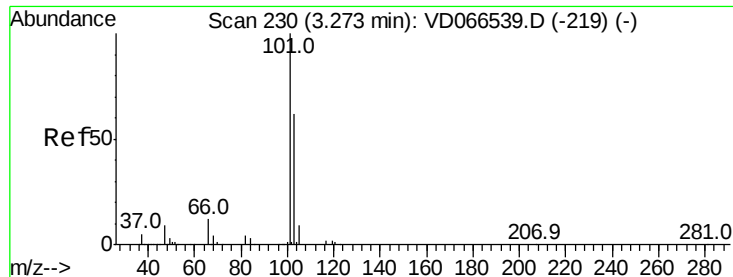
66 34.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



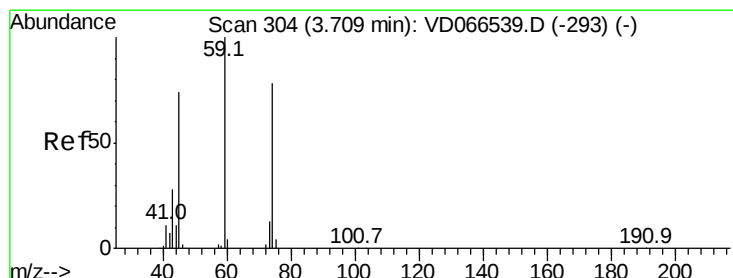
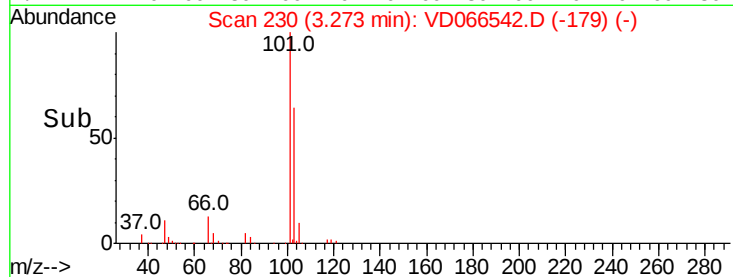
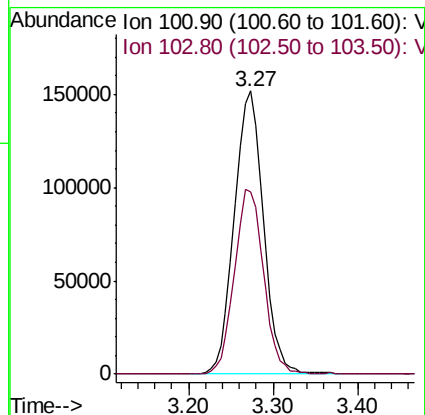
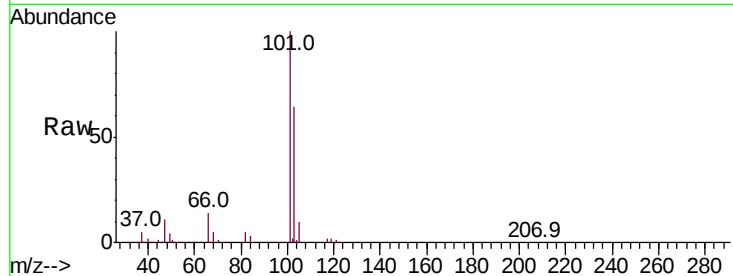


#7

Trichlorofluoromethane
 Concen: 49.628 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066542.D
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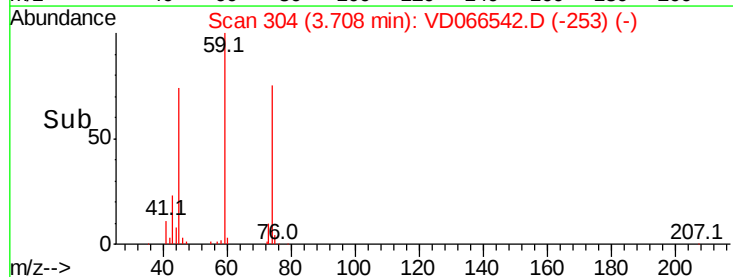
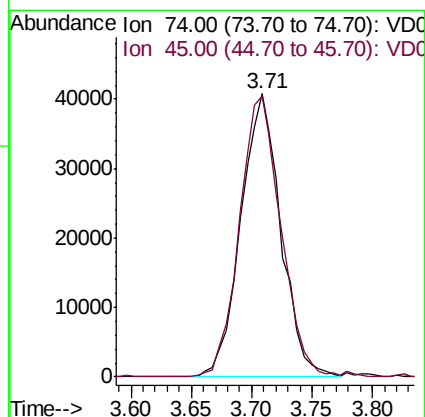
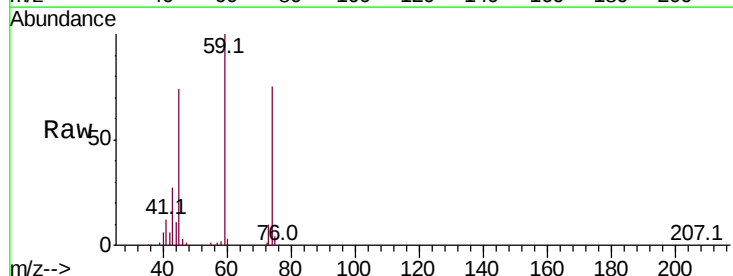
Tot Ion:101 Resp: 361469
 Ion Ratio Lower Upper
 101 100
 103 64.3 49.7 74.5

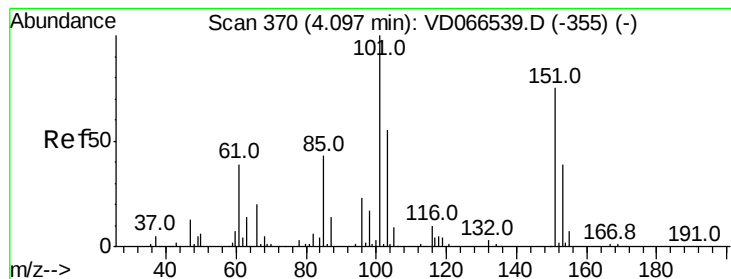


#8

Diethyl Ether
 Concen: 51.181 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Tgt Ion: 74 Resp: 93873
 Ion Ratio Lower Upper
 74 100
 45 102.9 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.017 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066542.D

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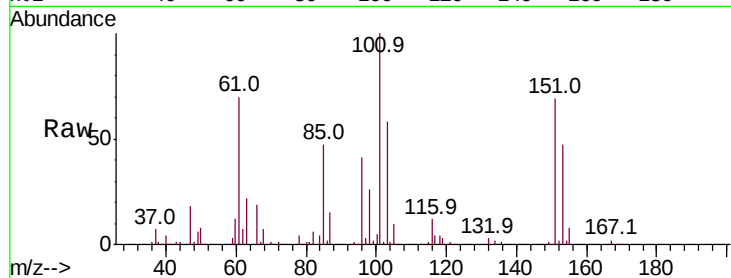
Tot Ion:101 Resp: 197165

Ion Ratio Lower Upper

101 100

85 46.6 37.0 55.6

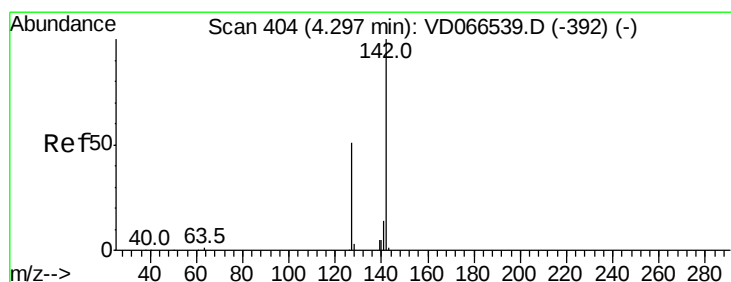
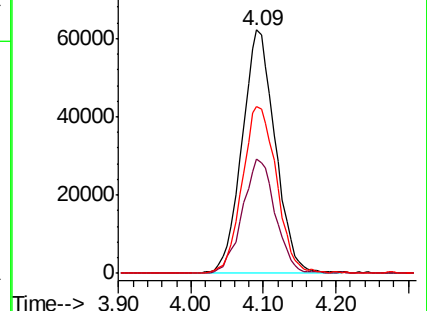
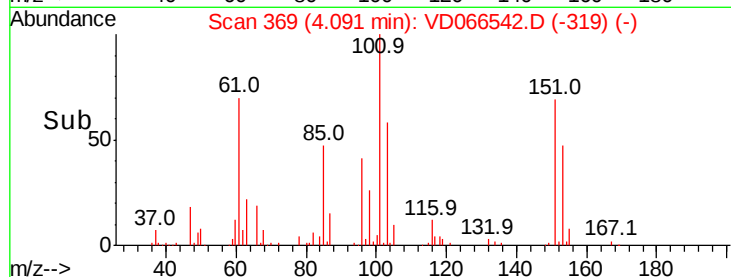
151 71.1 59.4 89.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.470 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

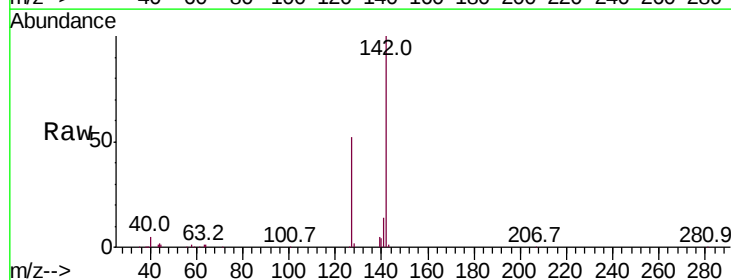
Tgt Ion:142 Resp: 197263

Ion Ratio Lower Upper

142 100

127 52.1 40.6 61.0

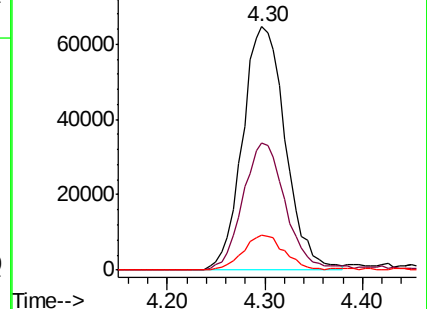
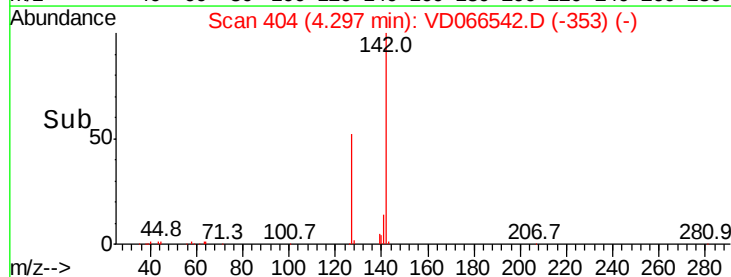
141 14.0 12.2 18.4

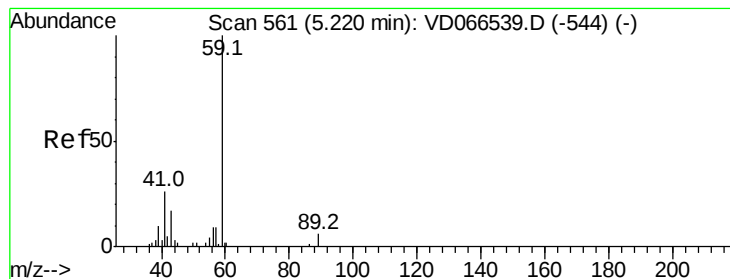


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 275.123 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

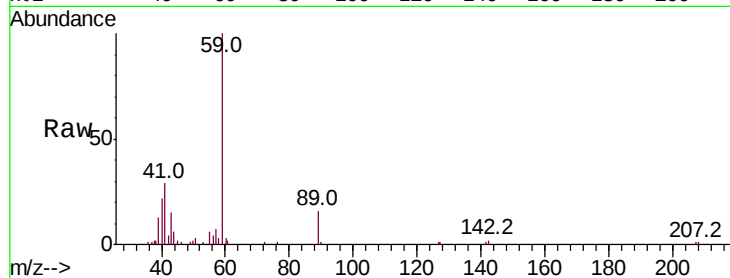
ICVVD090320

Tot Ion: 59 Resp: 71973

Ion Ratio Lower Upper

59 100

57 4.1 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

20000

15000

10000

5000

0

Time-->

5.10 5.20 5.30

5.21

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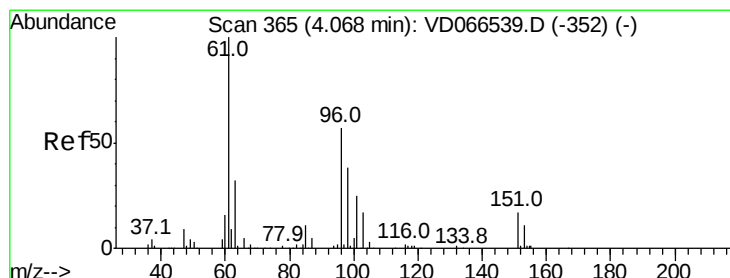
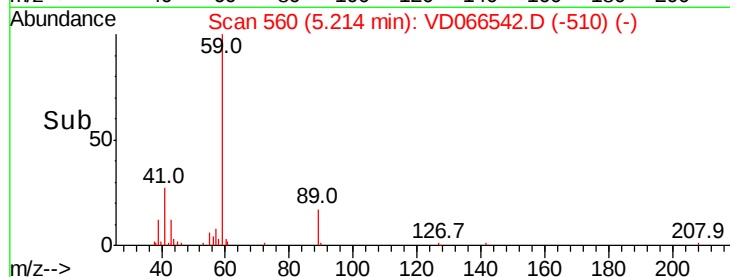
5.21

5.21

5.21

5.21

5.21



#12

1,1-Dichloroethene

Concen: 51.751 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

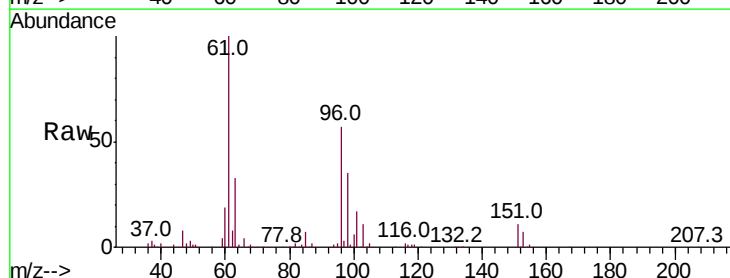
Tgt Ion: 96 Resp: 183279

Ion Ratio Lower Upper

96 100

61 176.4 140.9 211.3

98 62.0 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

150000

100000

50000

0

Time-->

3.90 4.00 4.10 4.20

4.06

4.06

4.06

4.06

4.06

4.06

4.06

4.06

4.06

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4.06

4.06

4.06

4.06

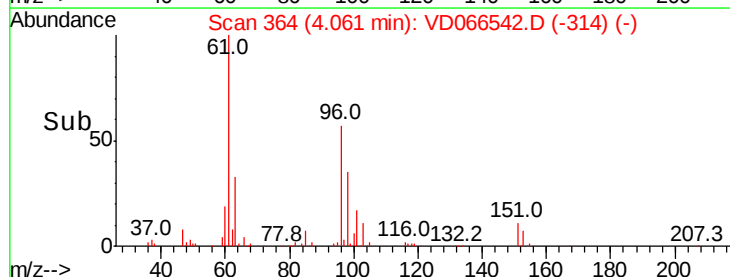
4.06

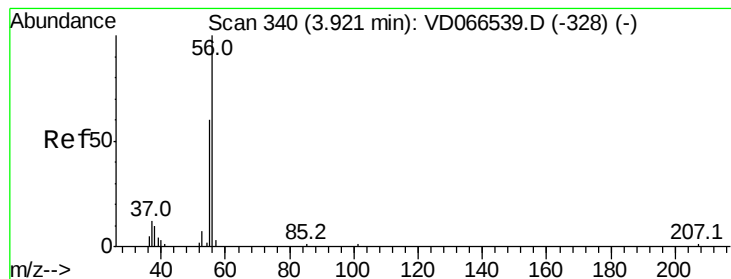
4.06

4.06

4.06

4.06





#13

Acrolein

Concen: 251.999 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

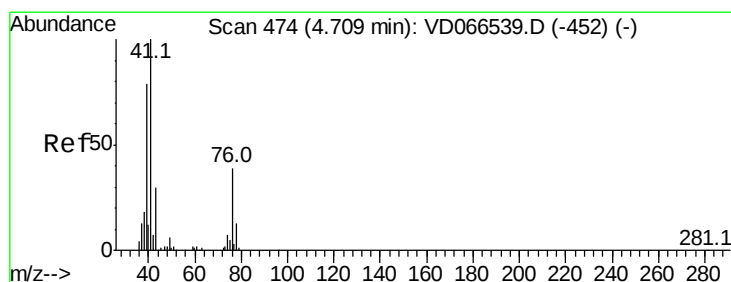
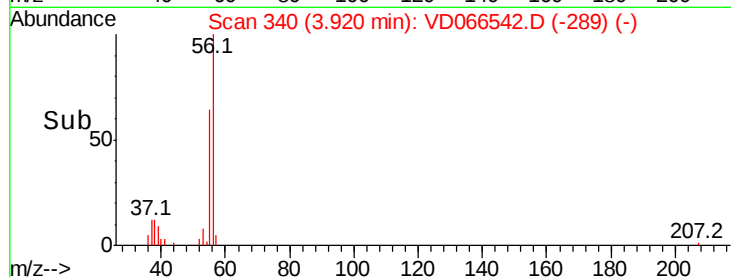
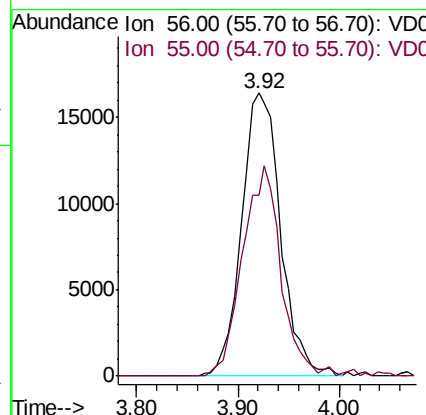
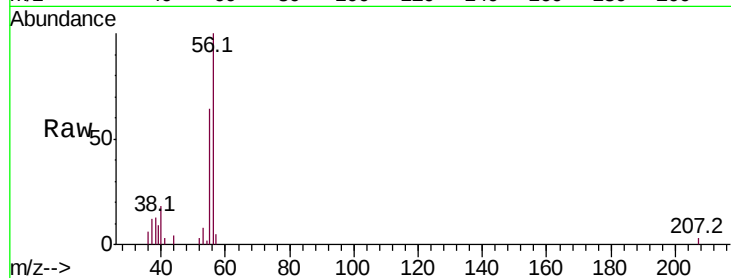
ICVVD090320

Tot Ion: 56 Resp: 43822

Ion Ratio Lower Upper

56 100

55 72.9 53.6 80.4



#14

Allyl chloride

Concen: 53.413 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

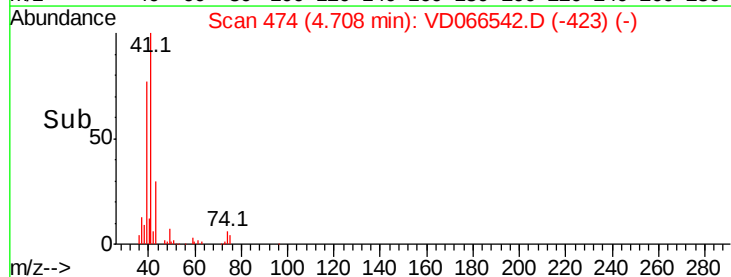
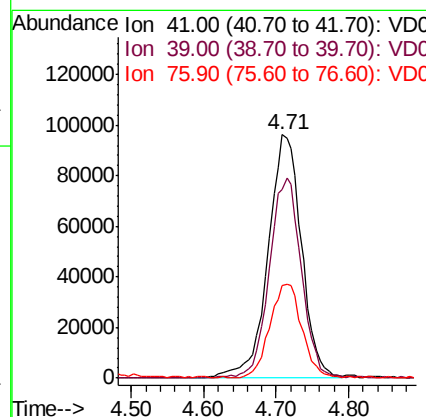
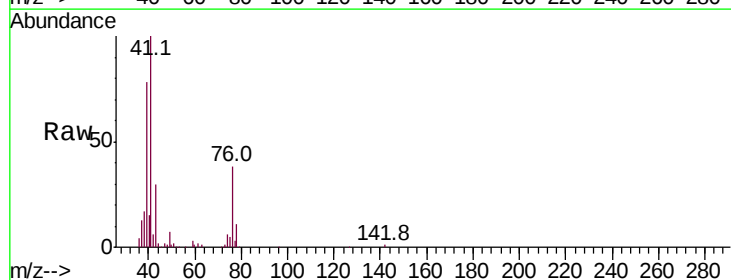
Tgt Ion: 41 Resp: 310015

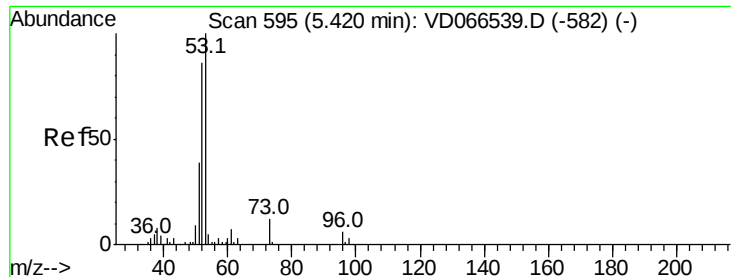
Ion Ratio Lower Upper

41 100

39 78.9 61.9 92.9

76 37.5 29.0 43.6





#15

Acrylonitrile

Concen: 274.754 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

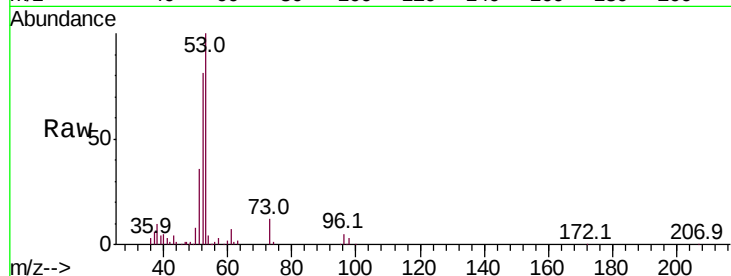
Tot Ion: 53 Resp: 216477

Ion Ratio Lower Upper

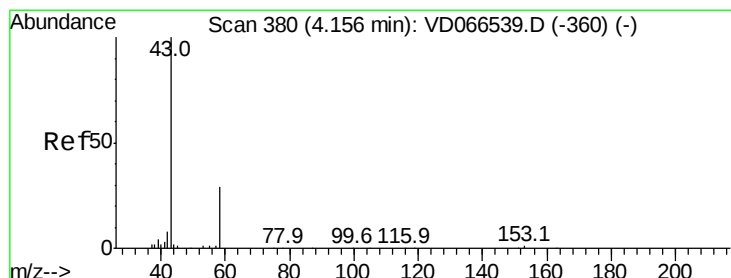
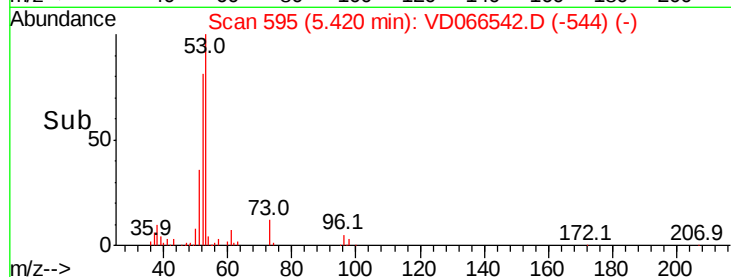
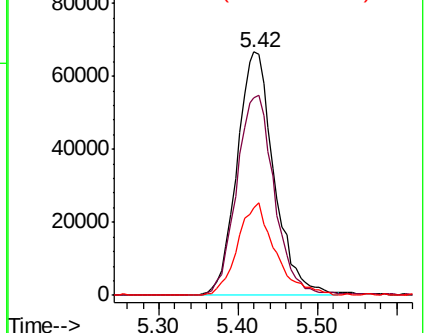
53 100

52 84.0 65.4 98.2

51 38.6 31.2 46.8



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



#16

Acetone

Concen: 225.055 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066542.D

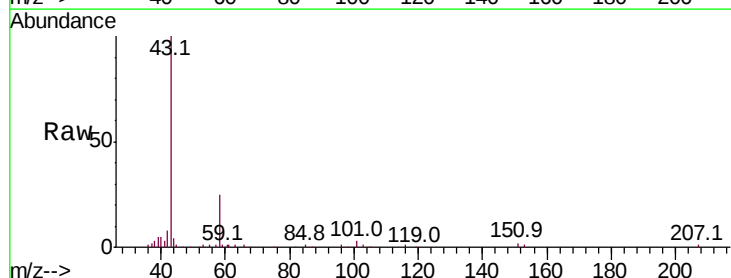
Acq: 03 Sep 2020 18:39

Tgt Ion: 43 Resp: 176114

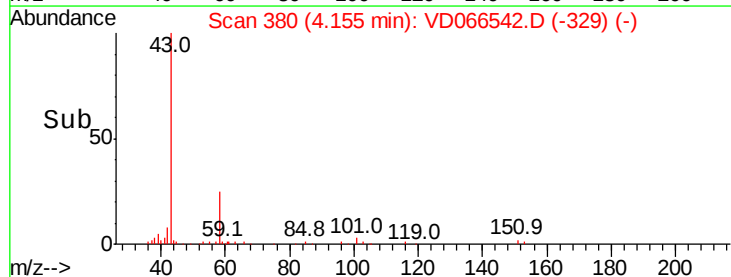
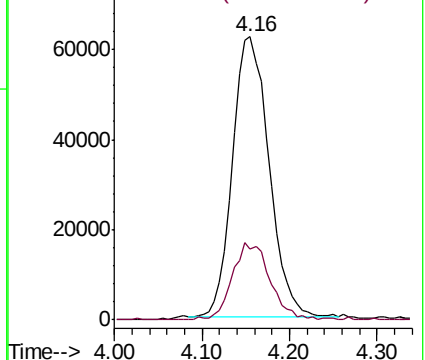
Ion Ratio Lower Upper

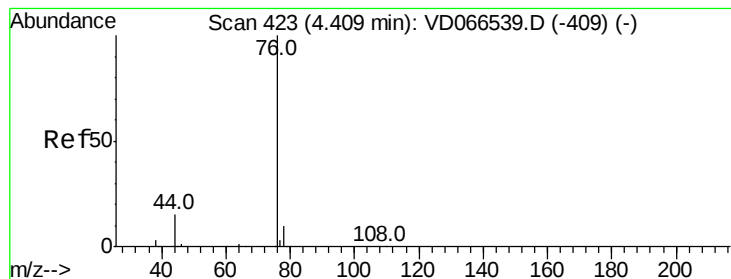
43 100

58 25.4 22.9 34.3



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





#17

Carbon Disulfide

Concen: 51.830 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

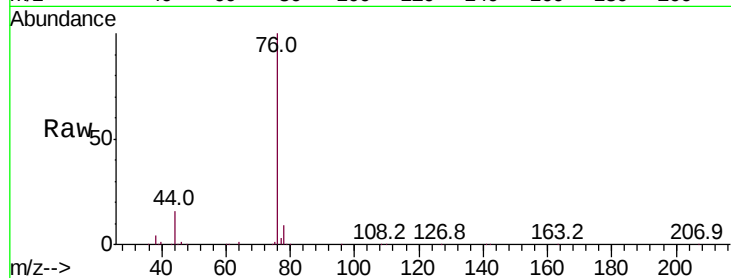
ICVVD090320

Tot Ion: 76 Resp: 603435

Ion Ratio Lower Upper

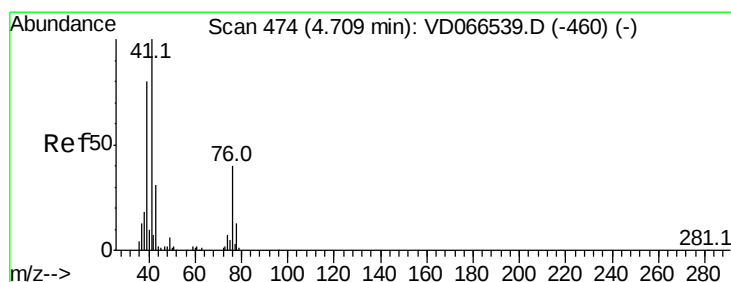
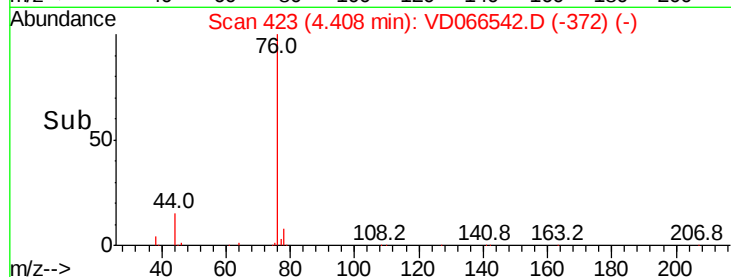
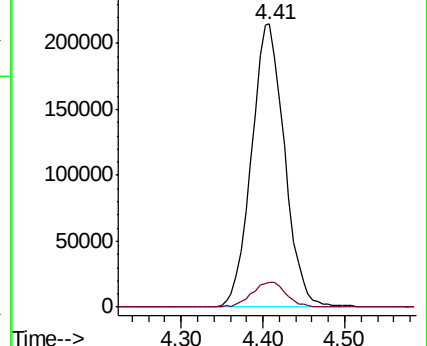
76 100

78 8.8 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 53.252 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066542.D

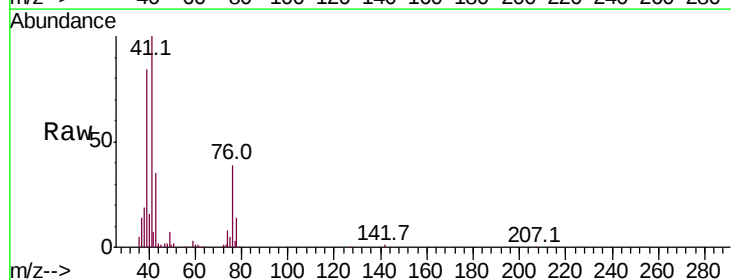
Acq: 03 Sep 2020 18:39

Tgt Ion: 43 Resp: 99338

Ion Ratio Lower Upper

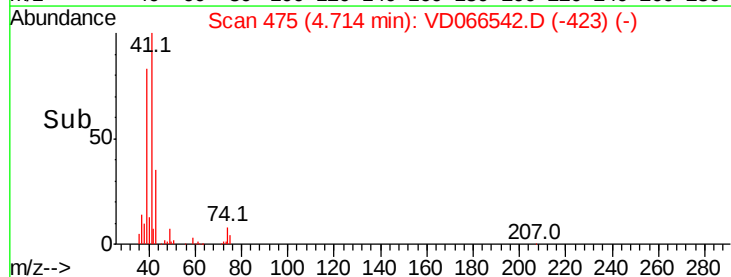
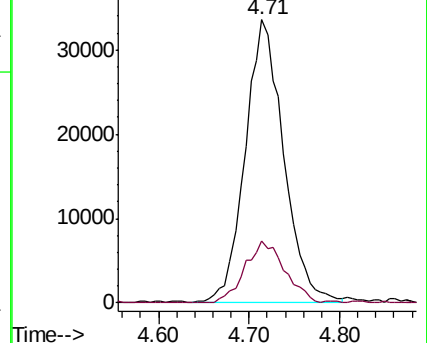
43 100

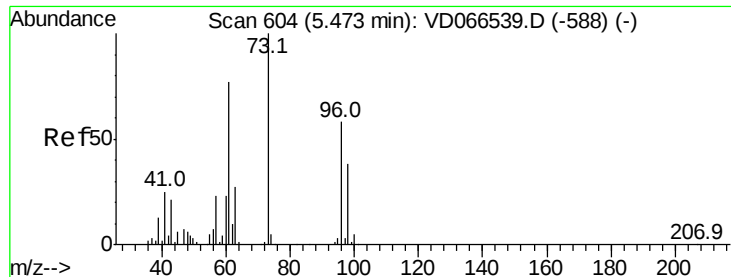
74 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

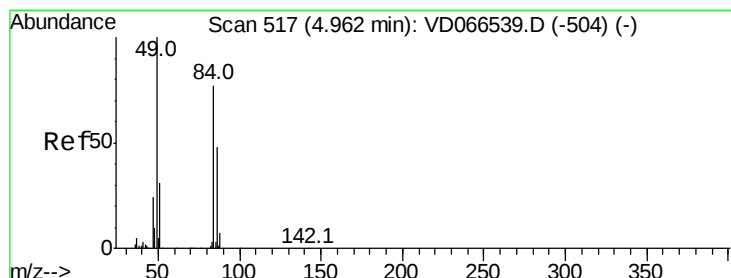
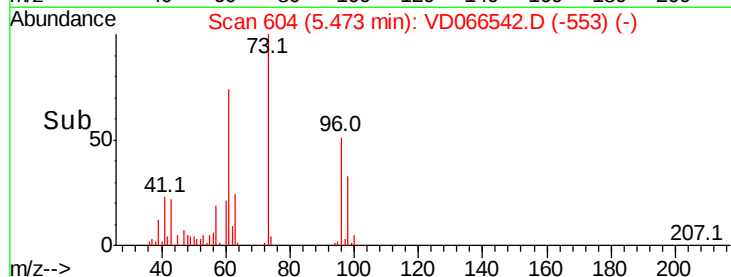
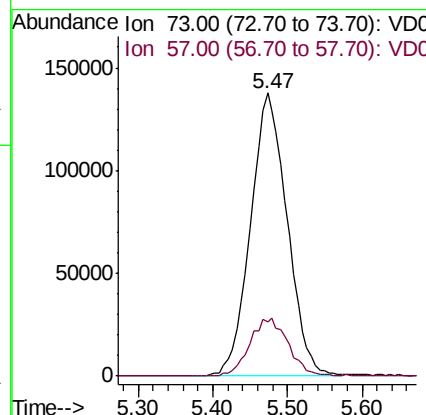
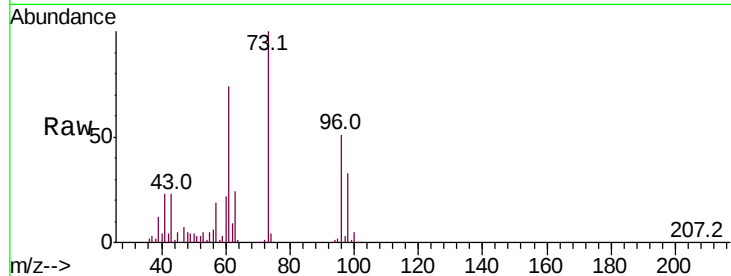




#19
Methvl tert-butvl Ether
Concen: 56.482 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

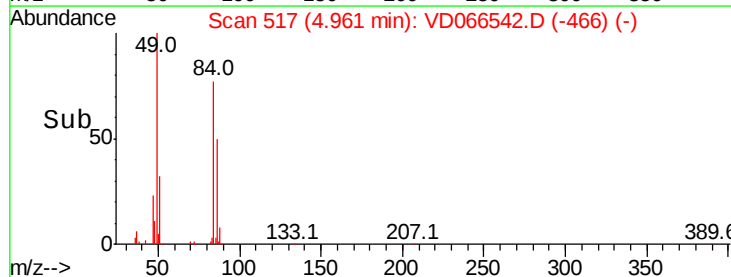
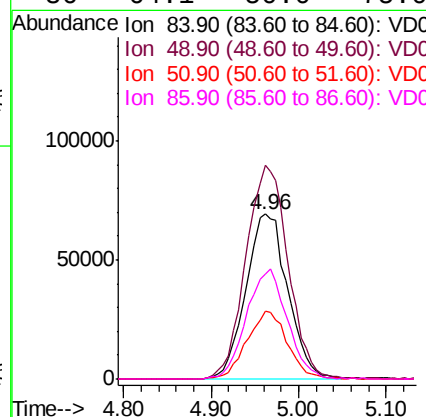
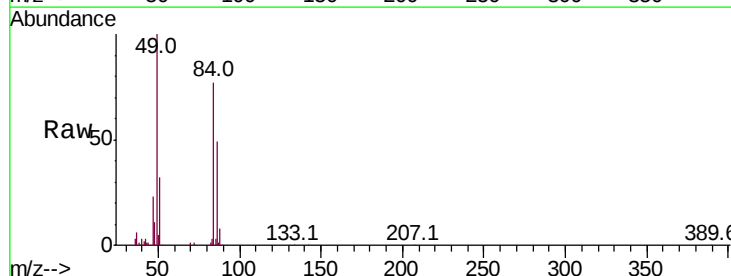
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

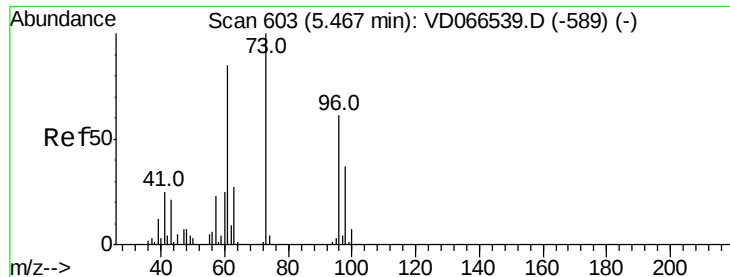
Tot Ion: 73 Resp: 469080
Ion Ratio Lower Upper
73 100
57 19.3 18.3 27.5



#20
Methylene Chloride
Concen: 53.429 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 84 Resp: 225921
Ion Ratio Lower Upper
84 100
49 129.7 104.3 156.5
51 41.5 32.2 48.4
86 64.1 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 52.424 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

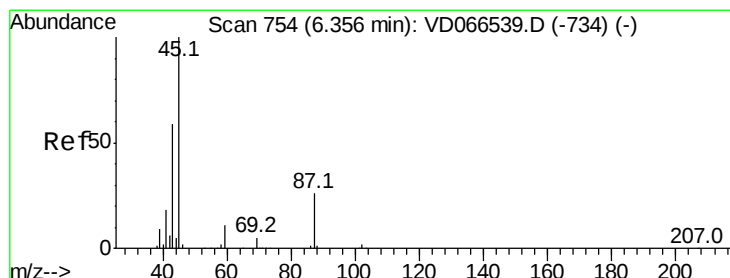
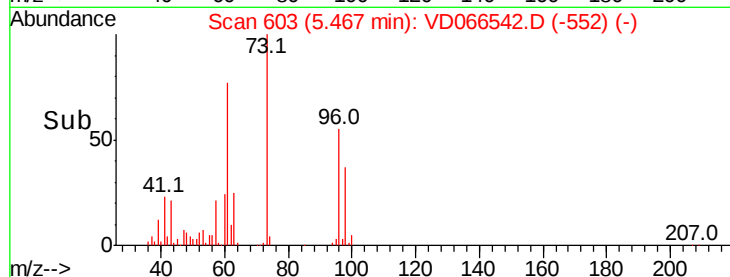
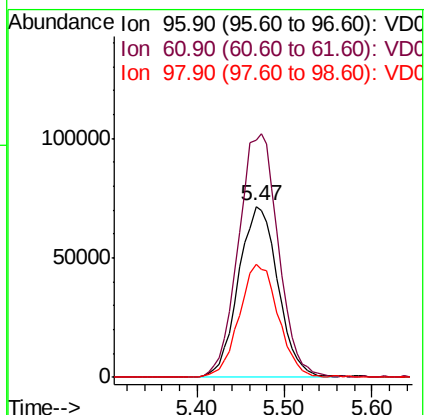
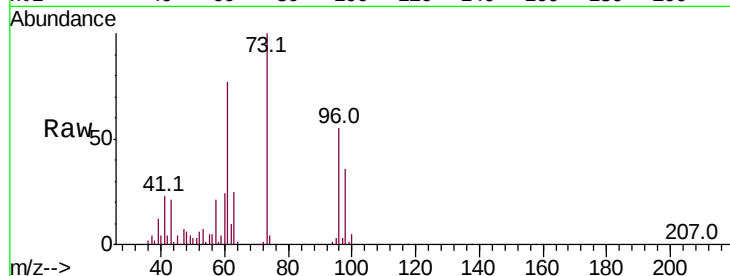
Tot Ion: 96 Resp: 220471

Ion Ratio Lower Upper

96 100

61 139.3 112.1 168.1

98 65.7 48.6 72.8



#22

Diisopropyl ether

Concen: 56.753 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion: 45 Resp: 677388

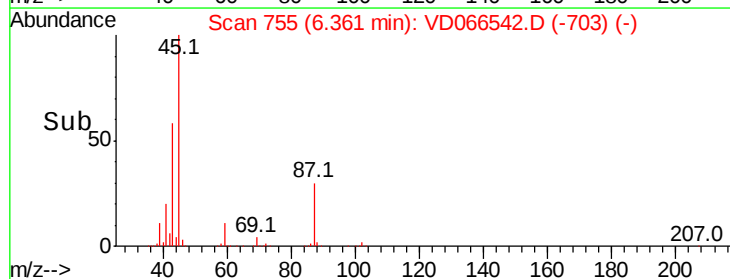
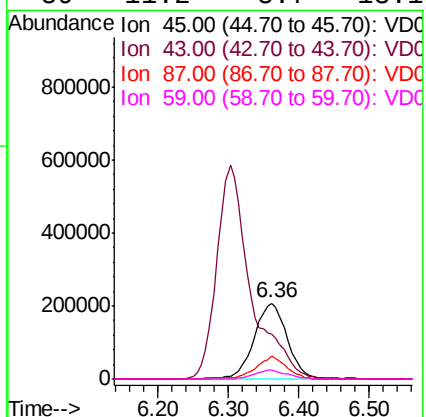
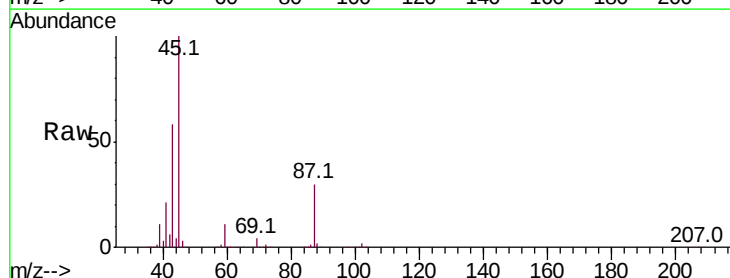
Ion Ratio Lower Upper

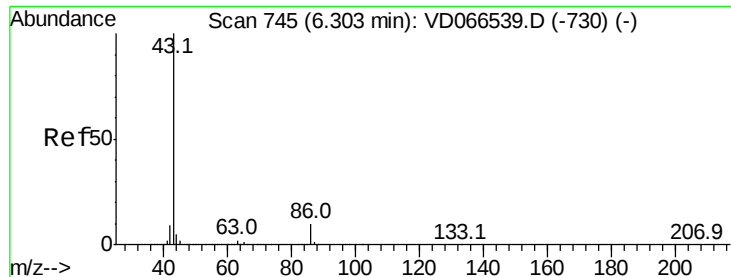
45 100

43 57.3 47.0 70.4

87 29.5 21.3 31.9

59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 289.515 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

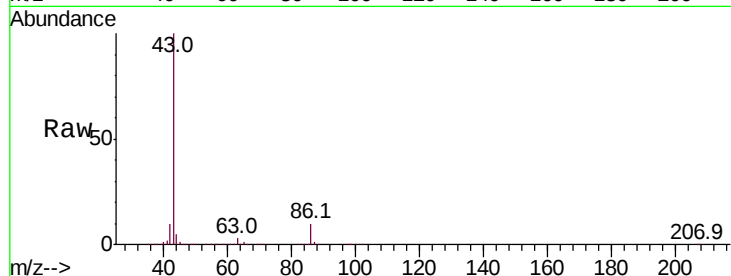
ICVVD090320

Tot Ion: 43 Resp: 1966463

Ion Ratio Lower Upper

43 100

86 10.0 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

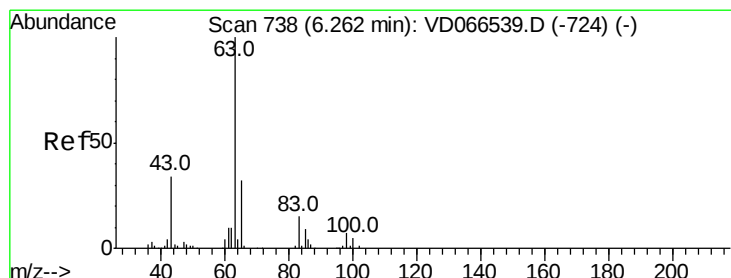
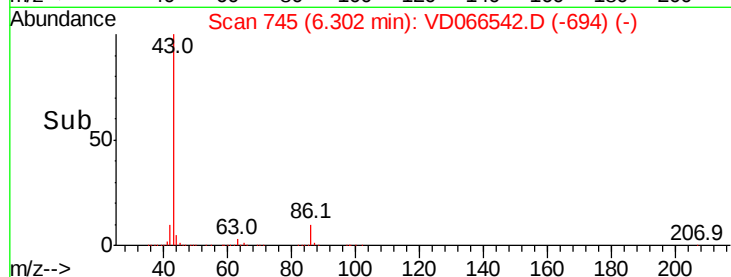
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 53.216 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

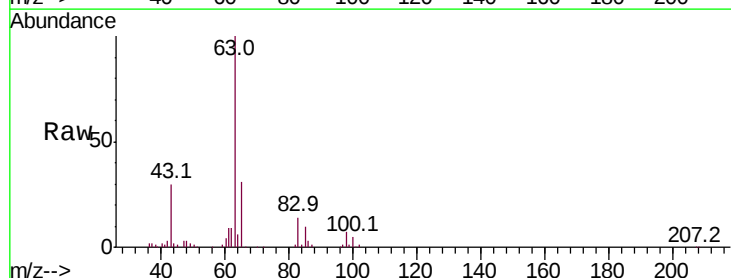
Tgt Ion: 63 Resp: 399429

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.7 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

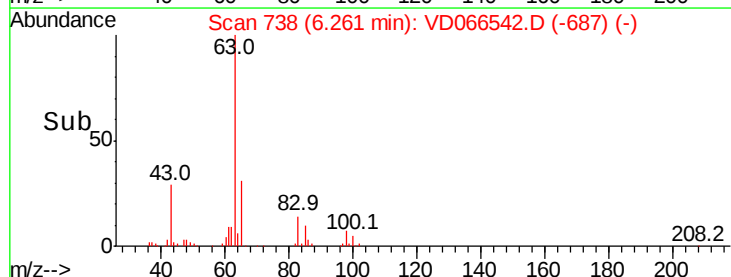
150000

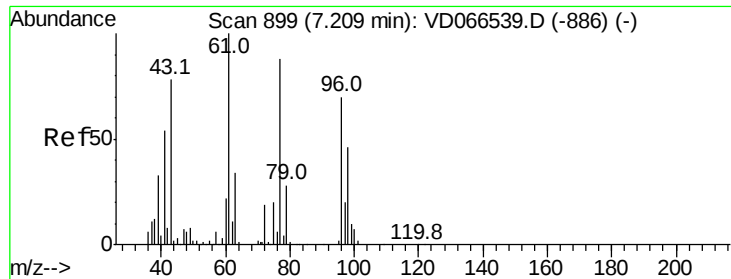
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 266.117 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

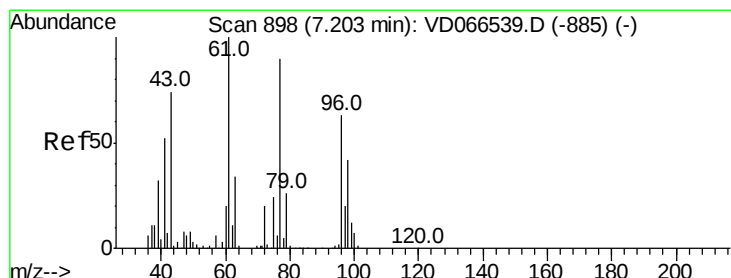
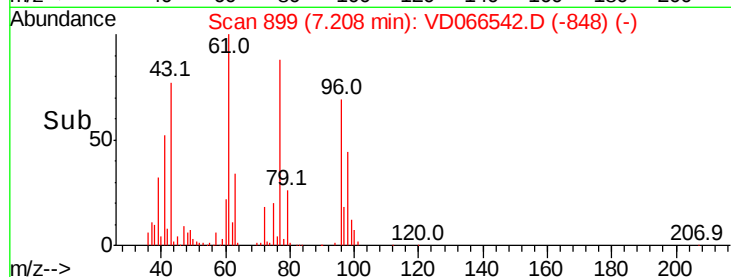
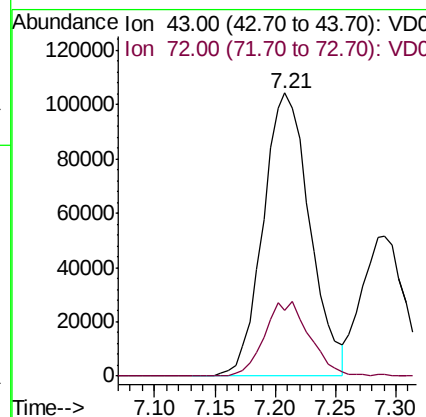
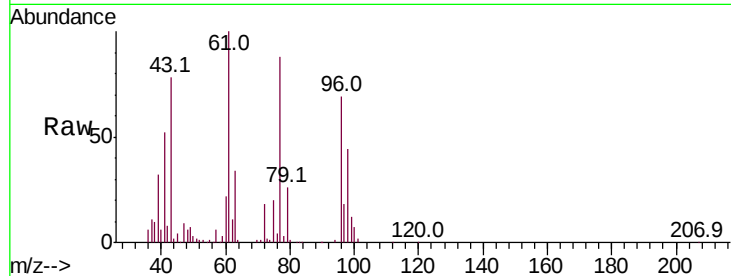
ICVVD090320

Tot Ion: 43 Resp: 279548

Ion Ratio Lower Upper

43 100

72 23.1 19.8 29.6



#26

2,2-Dichloropropane

Concen: 50.217 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD066542.D

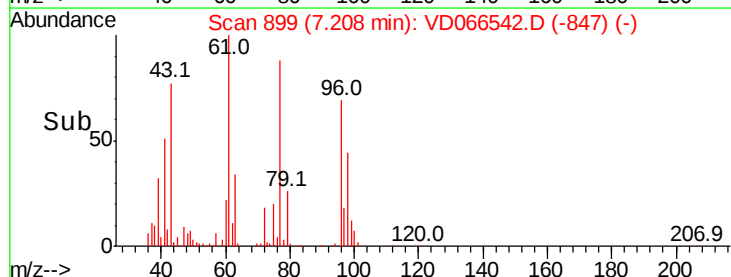
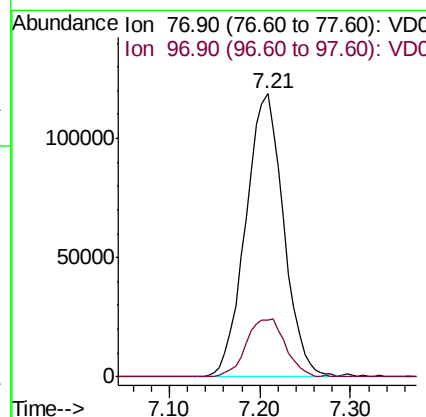
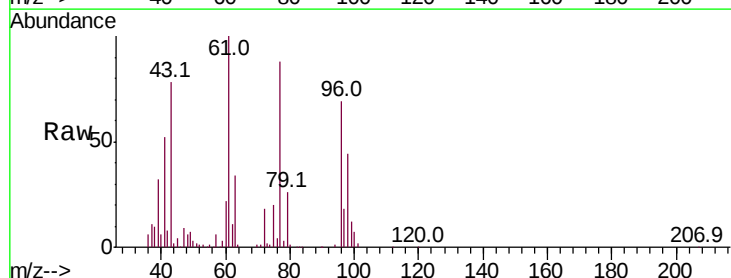
Acq: 03 Sep 2020 18:39

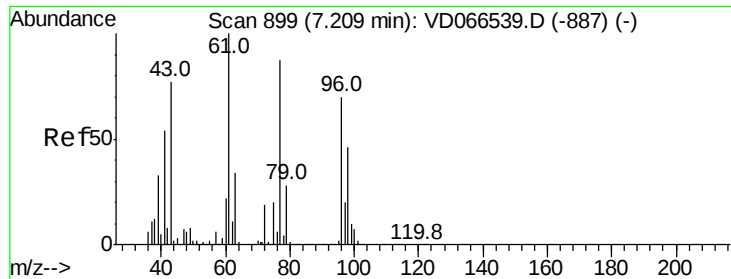
Tgt Ion: 77 Resp: 345746

Ion Ratio Lower Upper

77 100

97 21.1 10.8 32.3

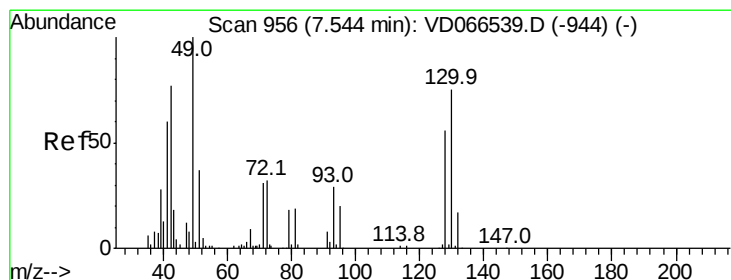
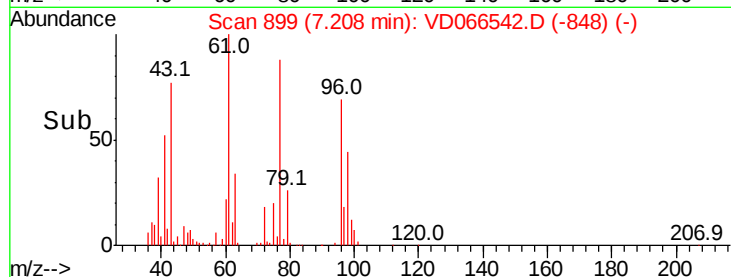
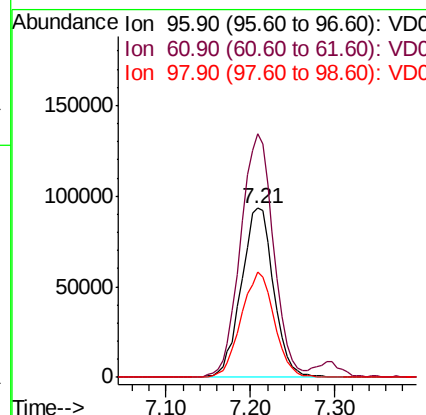
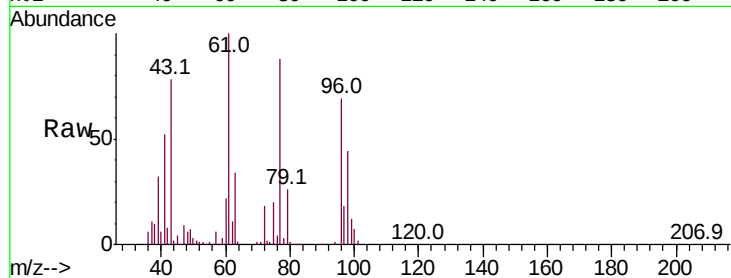




#27
 cis-1,2-Dichloroethene
 Concen: 54.973 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

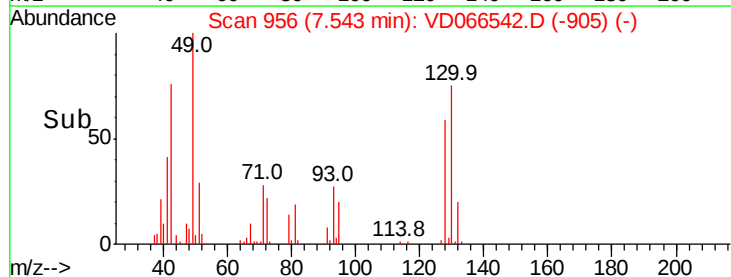
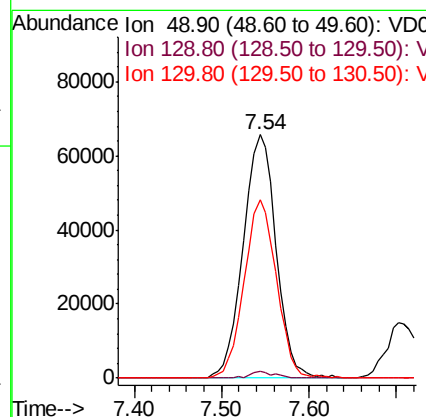
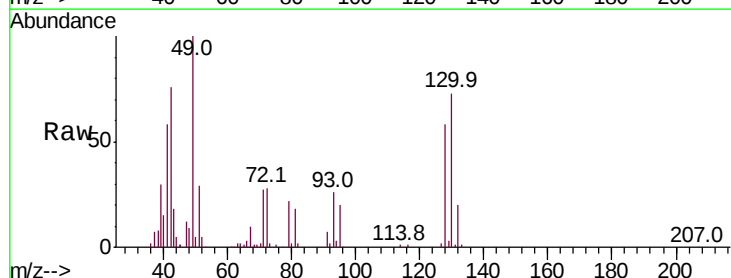
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

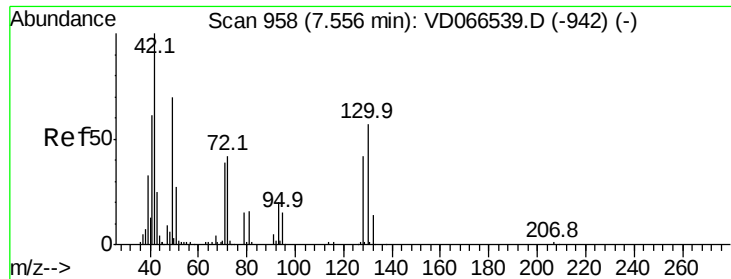
Tot Ion: 96 Resp: 248616
 Ion Ratio Lower Upper
 96 100
 61 146.7 0.0 301.0
 98 63.3 0.0 129.8



#28
 Bromochloromethane
 Concen: 57.856 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Tgt Ion: 49 Resp: 167188
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 2.6
 130 71.4 58.2 87.2

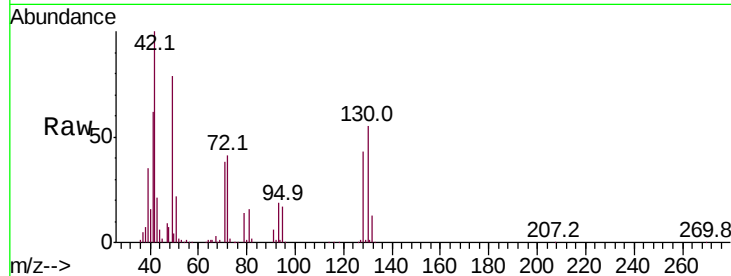




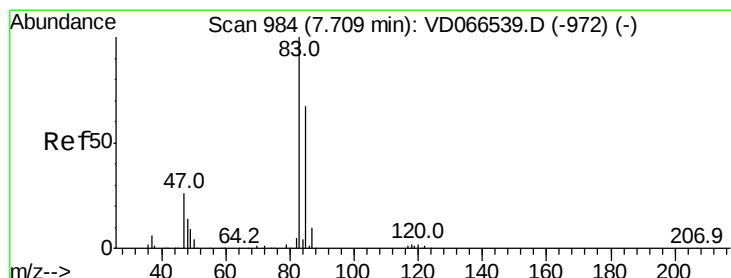
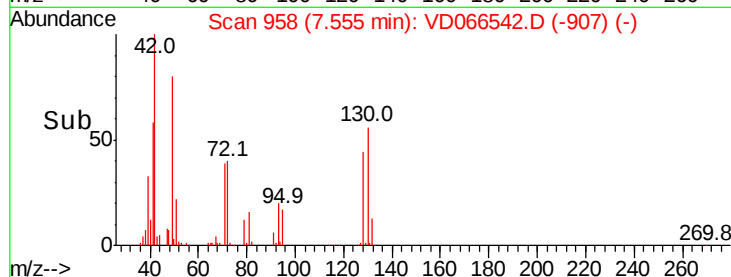
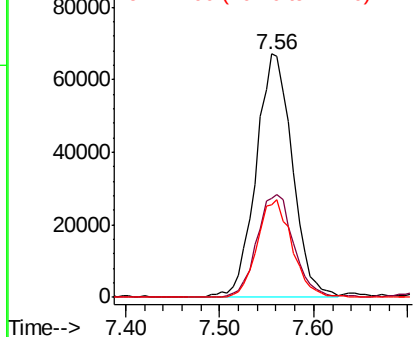
#29
Tetrahydrofuran
Concen: 274.496 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion: 42 Resp: 179582
Ion Ratio Lower Upper
42 100
72 42.4 33.4 50.0
71 38.5 31.9 47.9

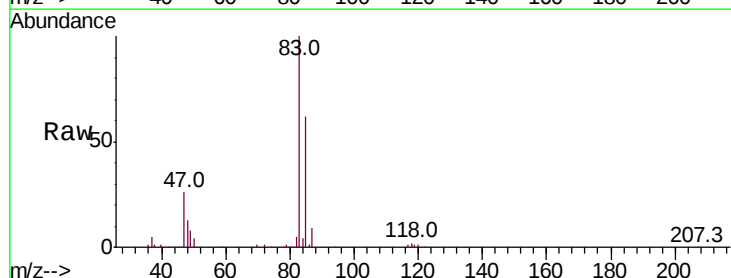


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

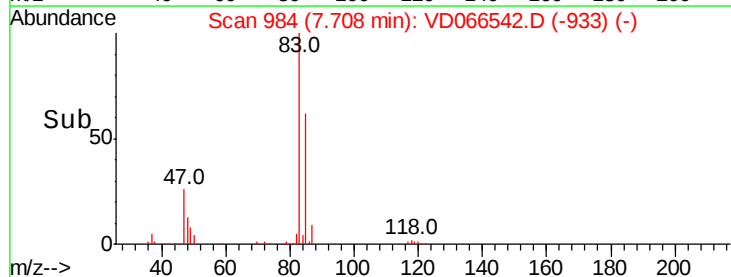
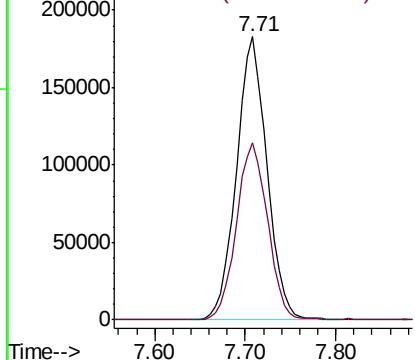


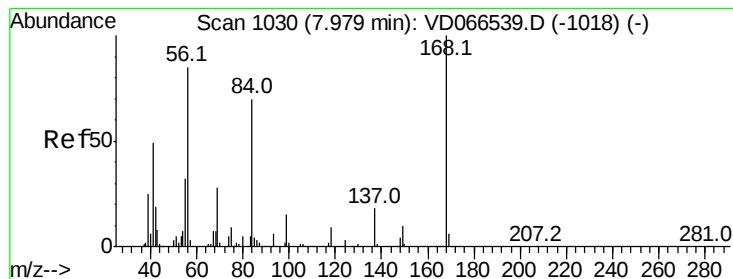
#30
Chloroform
Concen: 53.780 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 83 Resp: 427050
Ion Ratio Lower Upper
83 100
85 62.5 53.6 80.4



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





#31

Cyclohexane

Concen: 49.167 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

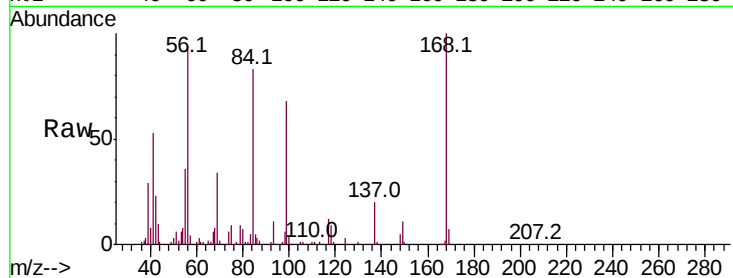
Tot Ion: 56 Resp: 341135

Ion Ratio Lower Upper

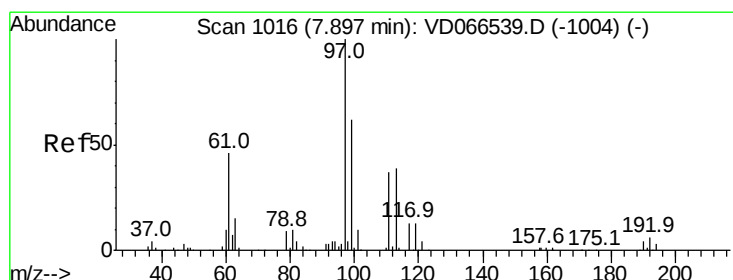
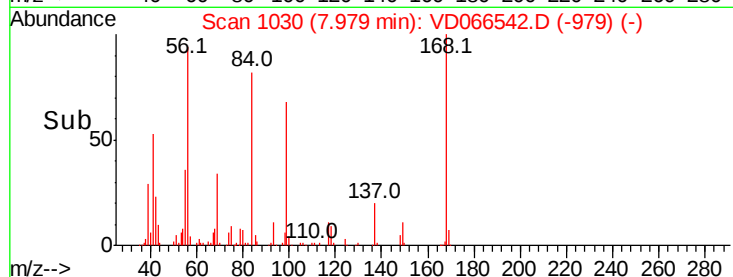
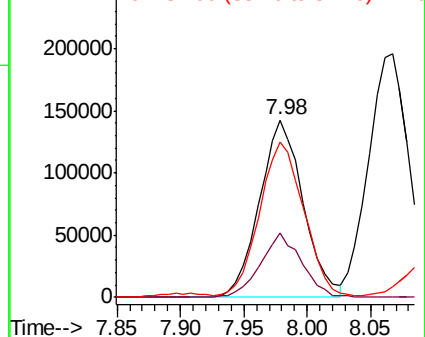
56 100

69 36.0 26.3 39.5

84 85.6 66.1 99.1



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: 52.510 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

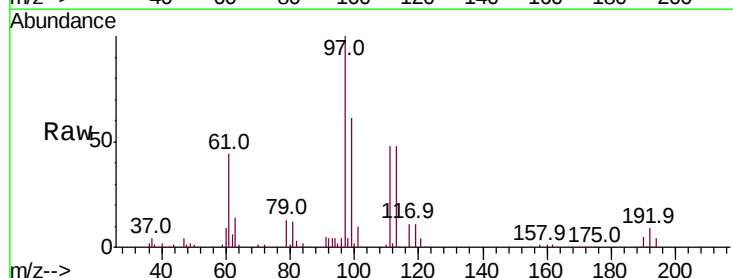
Tgt Ion: 97 Resp: 392029

Ion Ratio Lower Upper

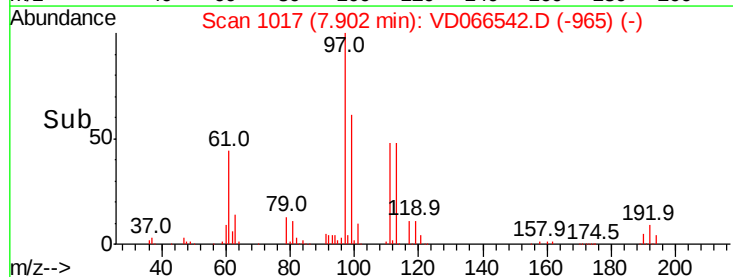
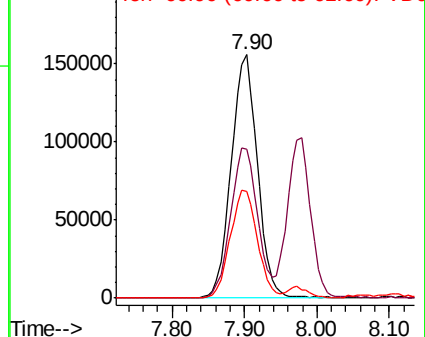
97 100

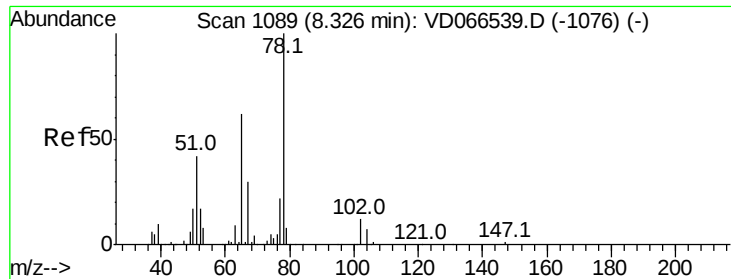
99 63.2 51.4 77.0

61 45.9 37.4 56.0



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

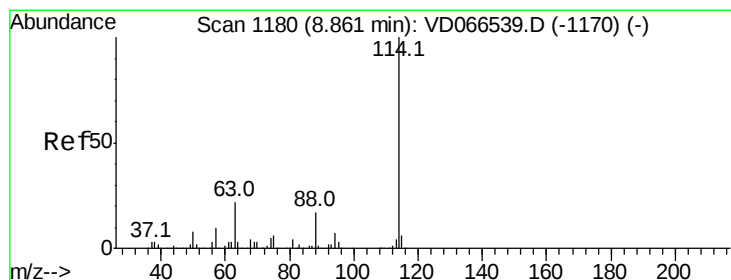
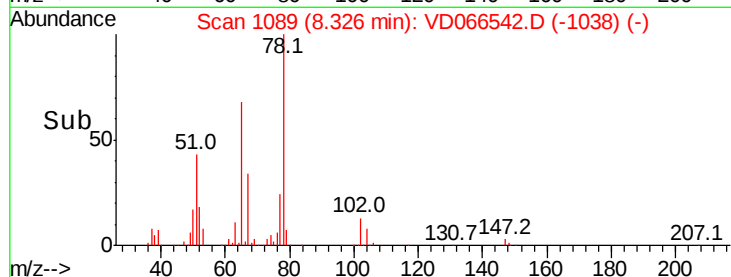
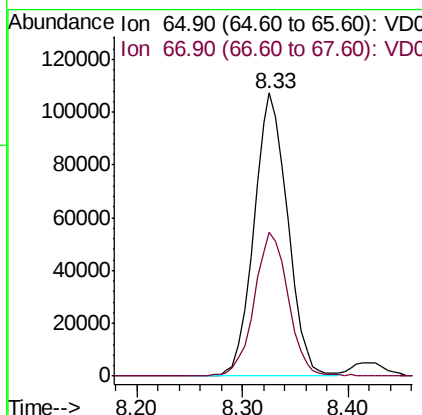
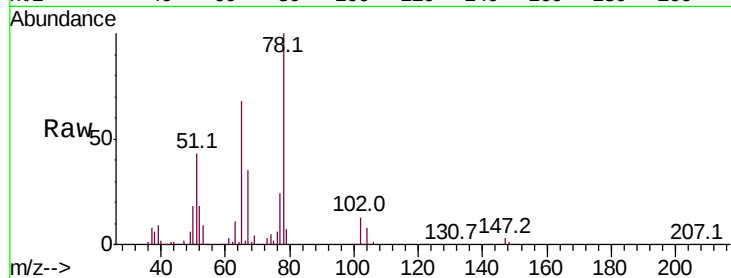




#33
 1,2-Dichloroethane-d4
 Concen: 55.699 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

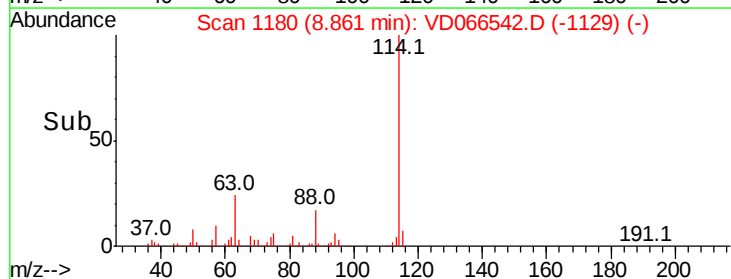
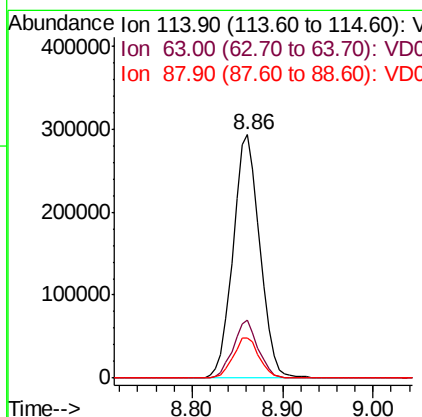
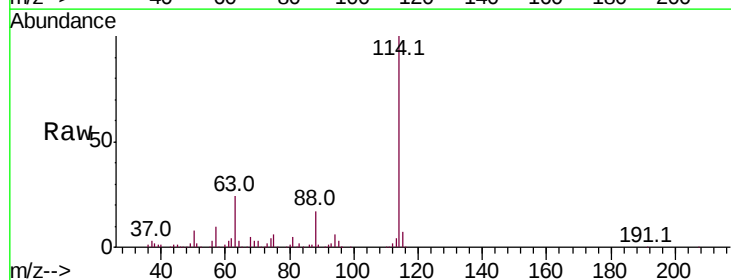
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

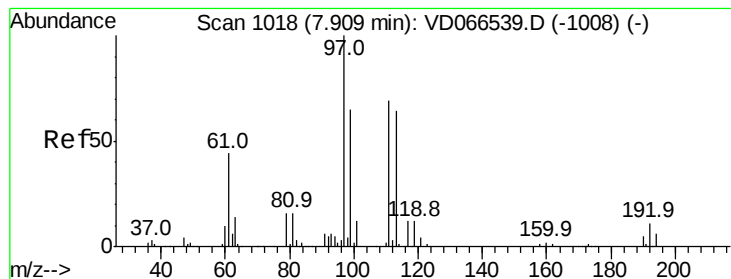
Tot Ion: 65 Resp: 236888
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Tgt Ion: 114 Resp: 602093
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 43.2
 88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.916 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

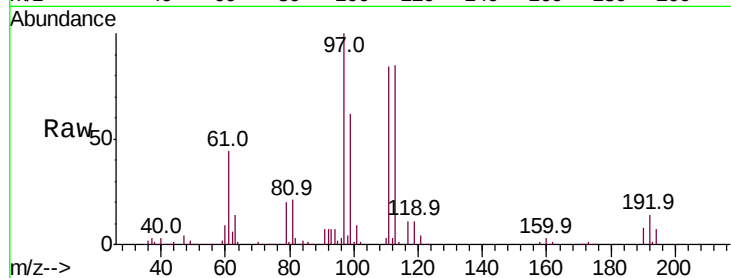
Tot Ion:113 Resp: 214931

Ion Ratio Lower Upper

113 100

111 104.7 83.2 124.8

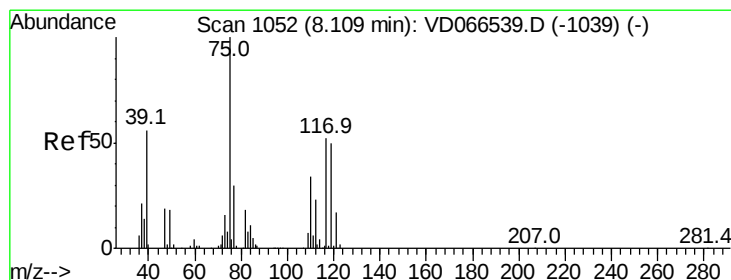
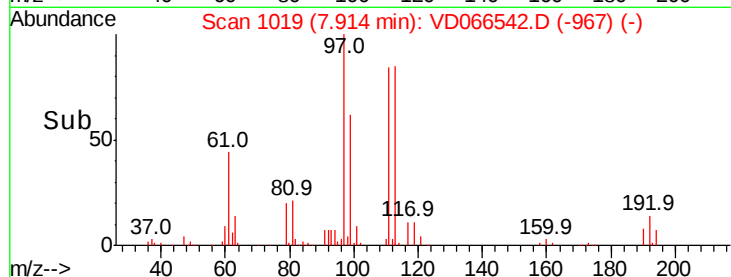
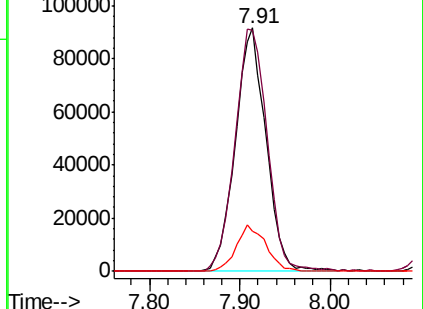
192 18.5 13.7 20.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.090 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

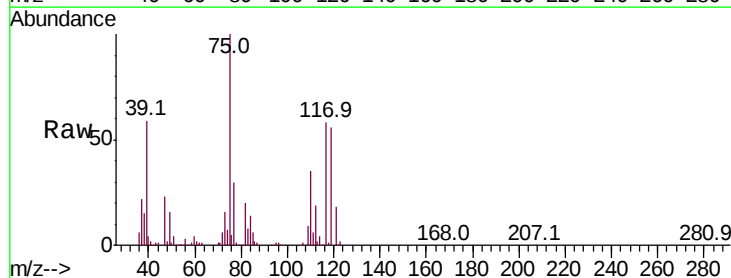
Tgt Ion: 75 Resp: 320127

Ion Ratio Lower Upper

75 100

110 33.8 17.3 52.0

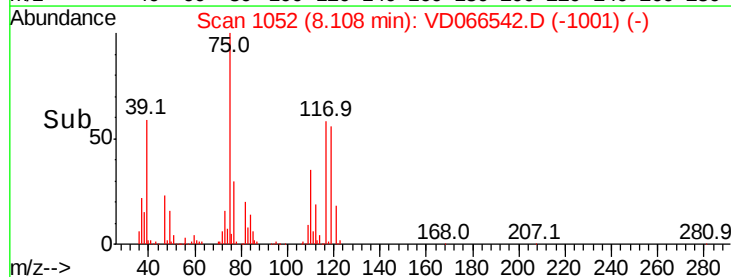
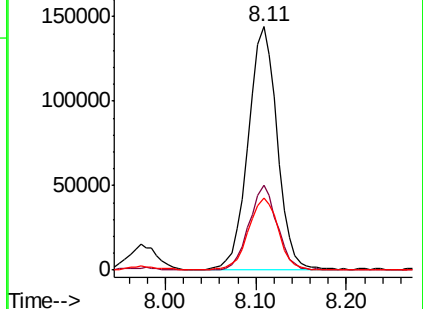
77 30.7 25.1 37.7

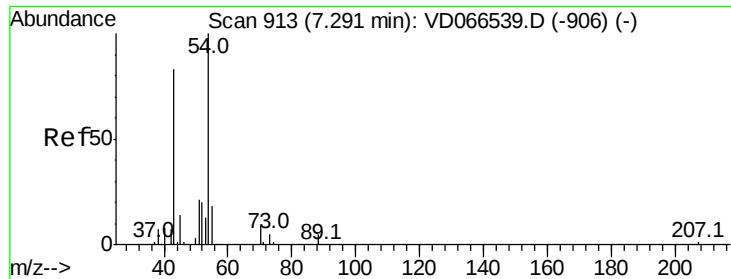


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

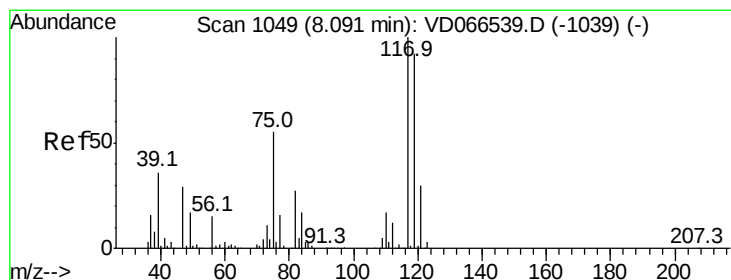
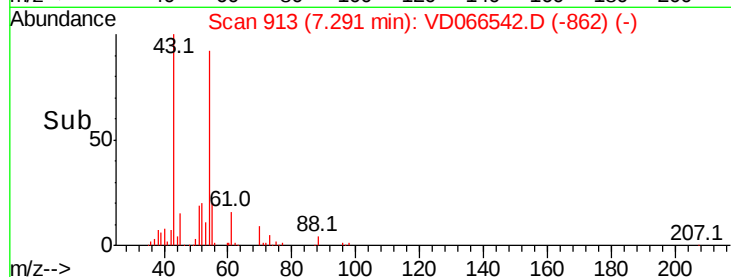
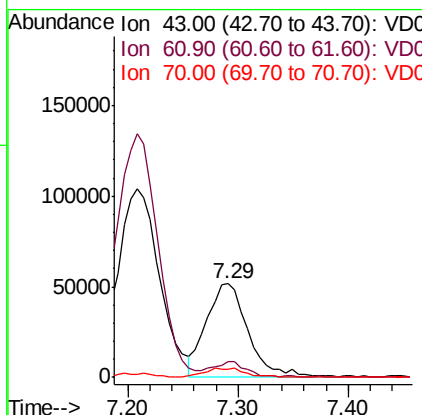
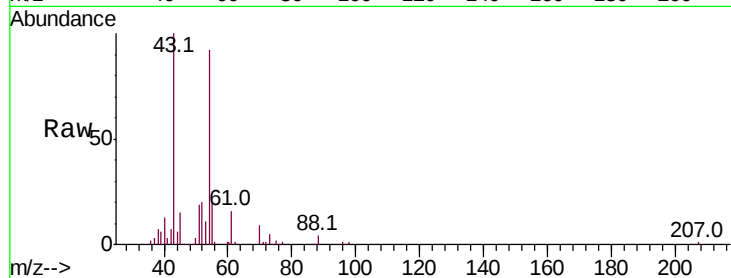




#37
Ethyl Acetate
Concen: 53.312 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

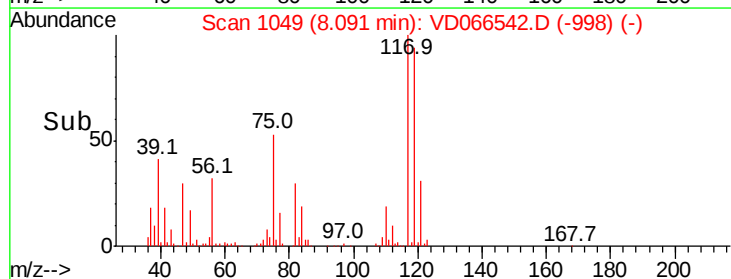
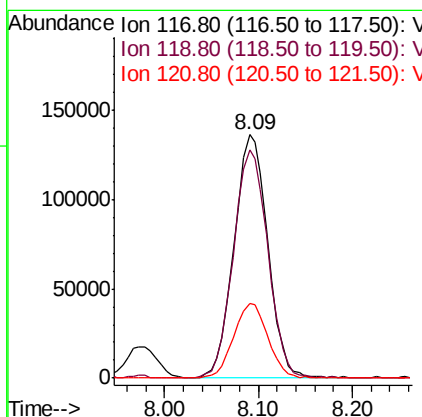
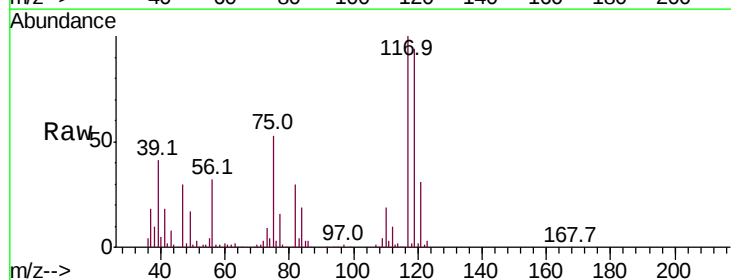
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

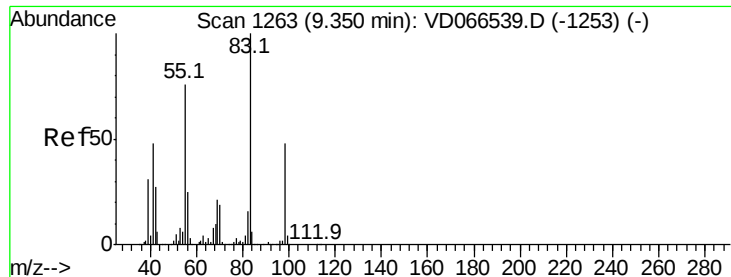
Tot Ion: 43 Resp: 133019
Ion Ratio Lower Upper
43 100
61 11.9 11.8 17.8
70 9.6 7.9 11.9



#38
Carbon Tetrachloride
Concen: 51.028 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 117 Resp: 337958
Ion Ratio Lower Upper
117 100
119 93.9 73.9 110.9
121 30.5 24.1 36.1

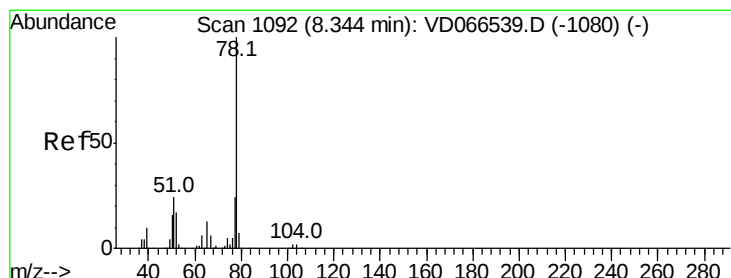
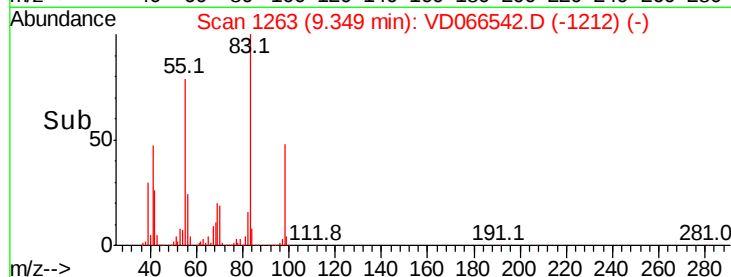
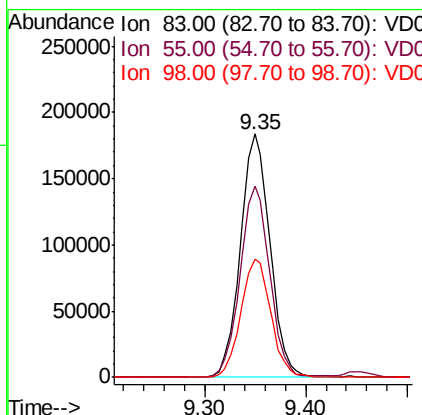
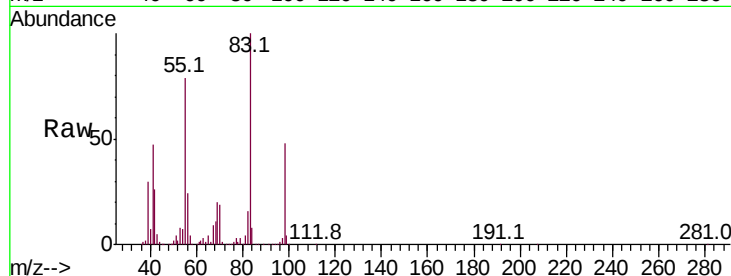




#39
Methvlcvclohexane
Concen: 53.157 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

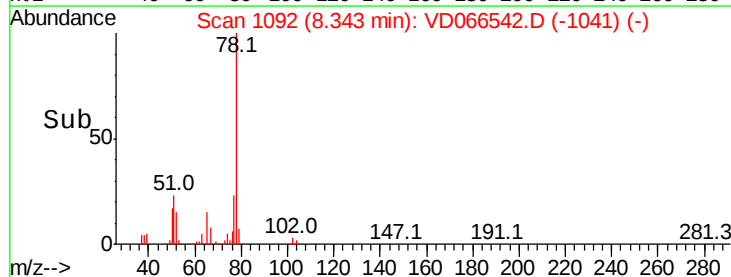
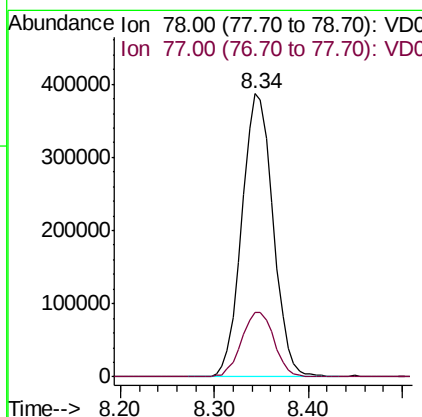
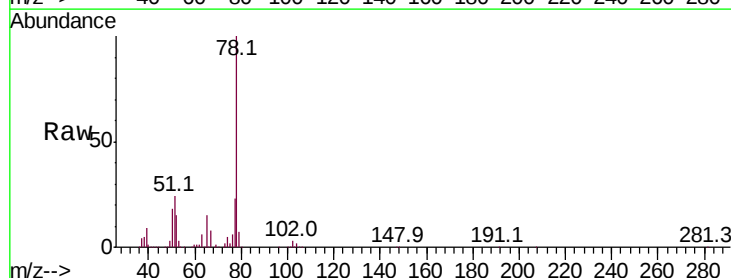
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

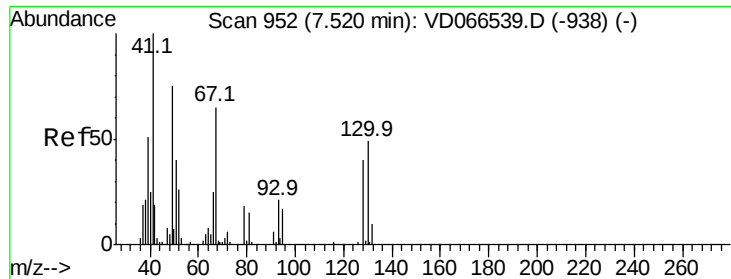
Tot Ion: 83 Resp: 371937
Ion Ratio Lower Upper
83 100
55 78.8 60.8 91.2
98 48.5 38.6 58.0



#40
Benzene
Concen: 51.925 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 78 Resp: 891090
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7

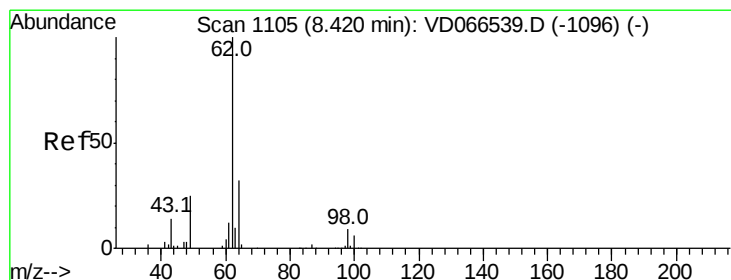
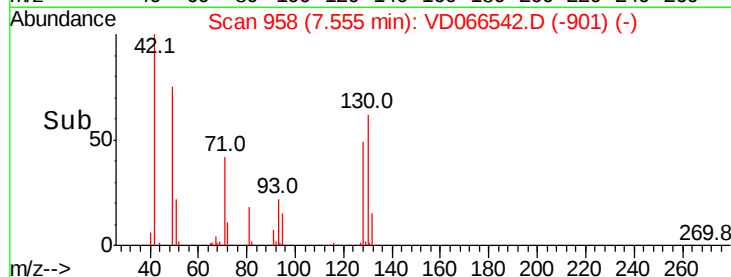
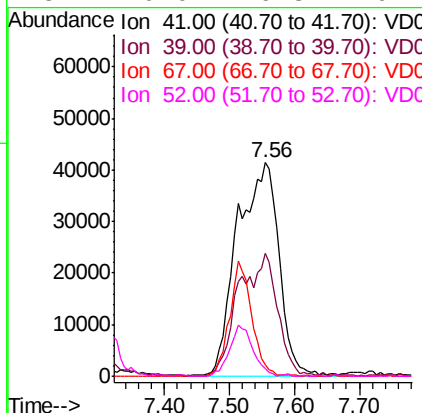
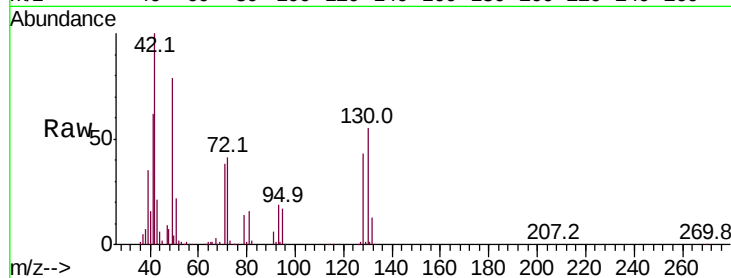




#41
Methacrylonitrile
Concen: 151.762 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

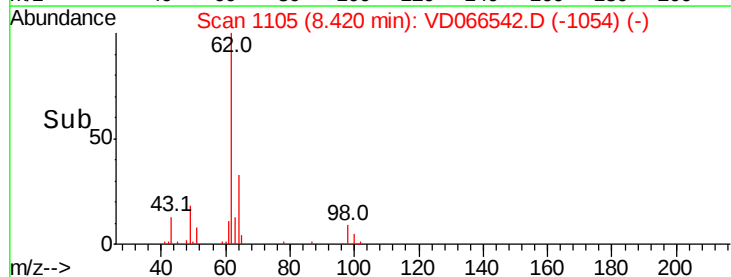
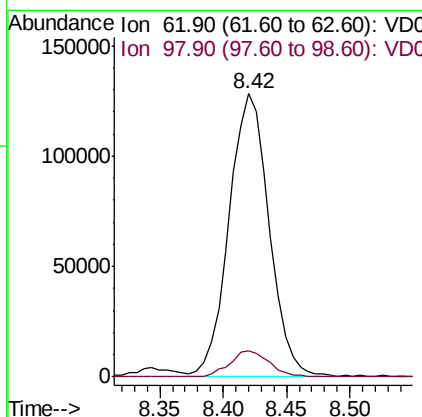
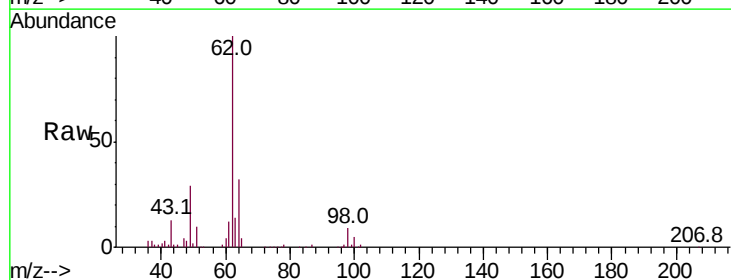
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

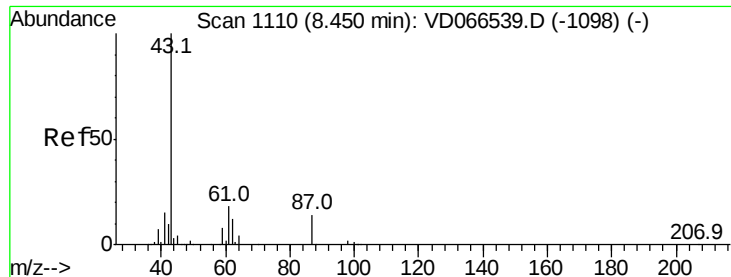
Tot Ion: 41 Resp: 183293
Ion Ratio Lower Upper
41 100
39 0.0 53.6 80.4#
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#



#42
1,2-Dichloroethane
Concen: 50.309 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 62 Resp: 279732
Ion Ratio Lower Upper
62 100
98 9.0 0.0 17.6





#43

Isopropyl Acetate

Concen: 53.129 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

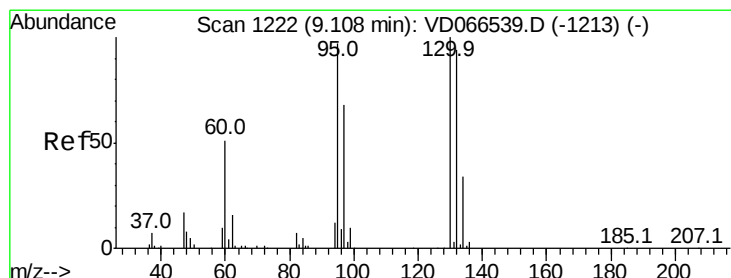
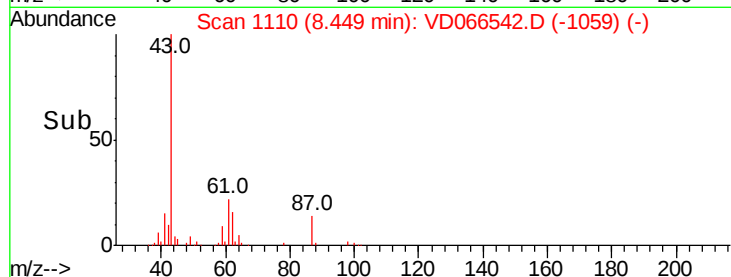
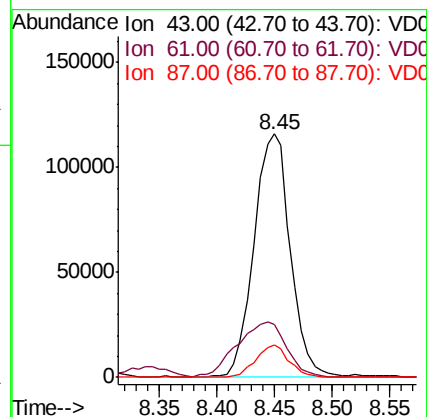
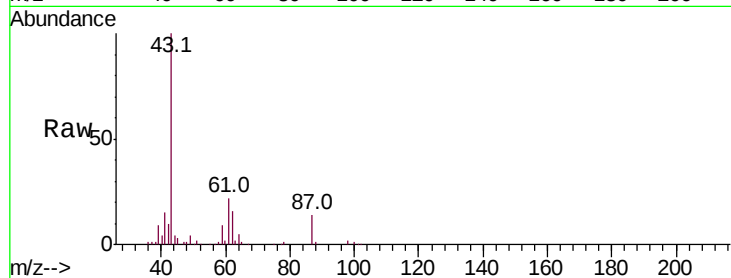
Tot Ion: 43 Resp: 254039

Ion Ratio Lower Upper

43 100

61 30.6 23.8 35.8

87 12.5 10.7 16.1



#44

Trichloroethene

Concen: 50.692 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066542.D

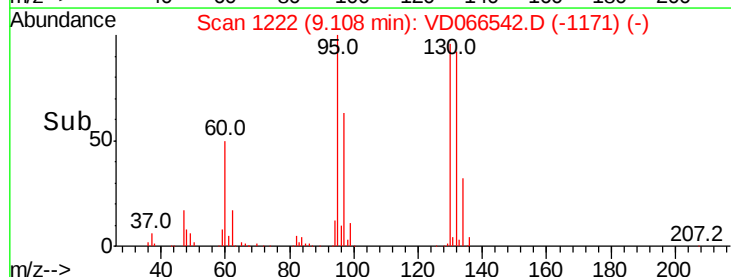
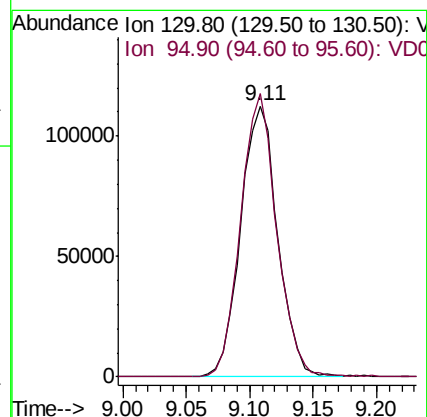
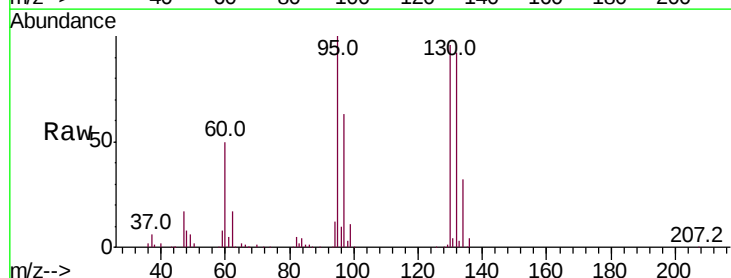
Acq: 03 Sep 2020 18:39

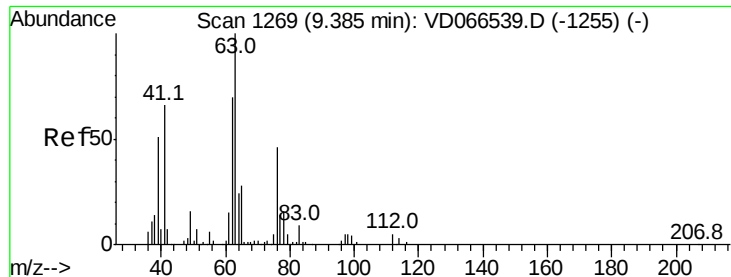
Tgt Ion:130 Resp: 228192

Ion Ratio Lower Upper

130 100

95 104.3 0.0 194.4





#45

1,2-Dichloropropane

Concen: 51.423 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

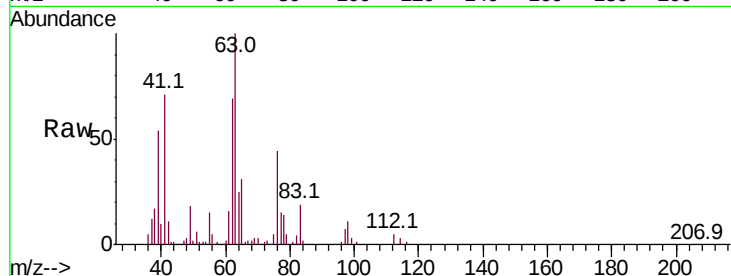
ICVVD090320

Tot Ion: 63 Resp: 221924

Ion Ratio Lower Upper

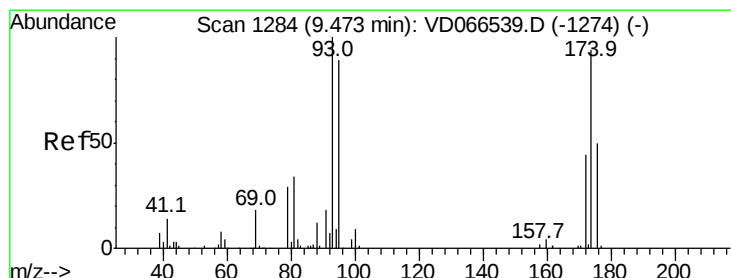
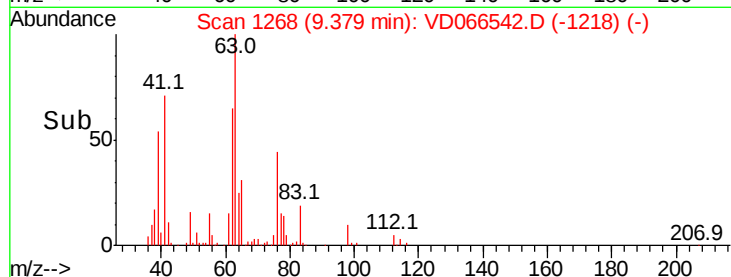
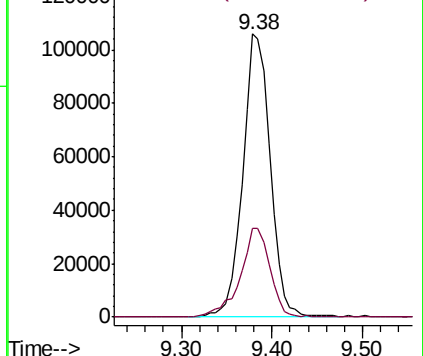
63 100

65 31.4 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.727 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

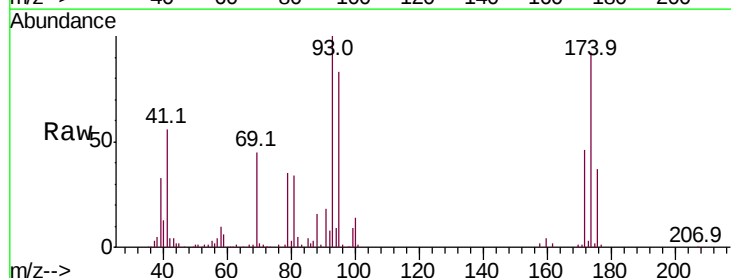
Tgt Ion: 93 Resp: 123163

Ion Ratio Lower Upper

93 100

95 82.7 68.7 103.1

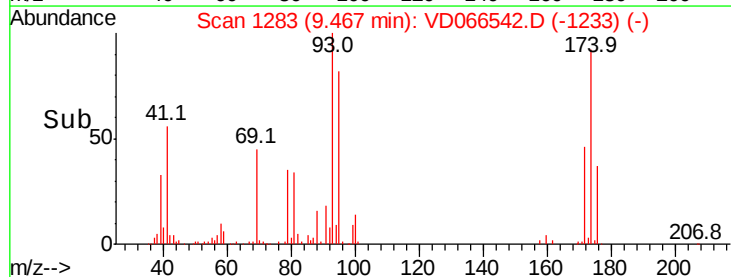
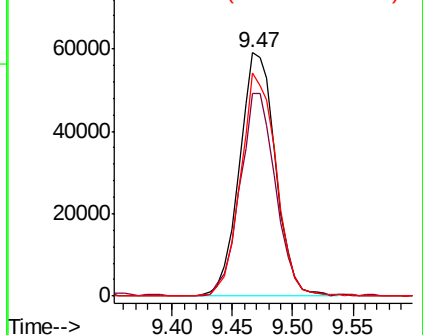
174 90.1 70.0 105.0

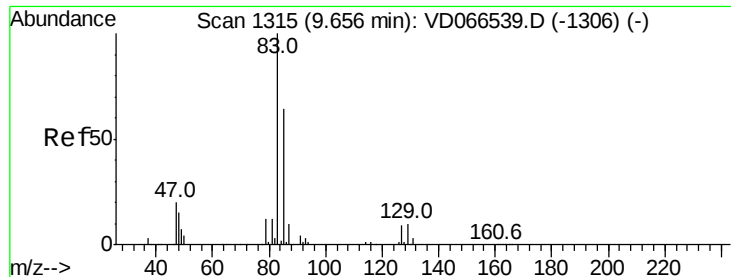


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.025 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

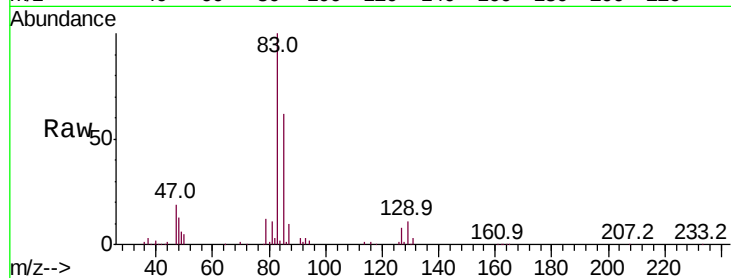
Tot Ion: 83 Resp: 335138

Ion Ratio Lower Upper

83 100

85 62.4 51.1 76.7

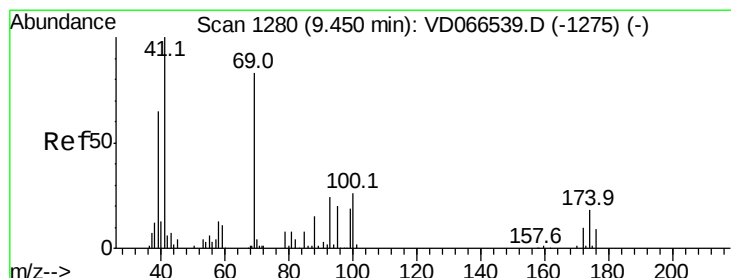
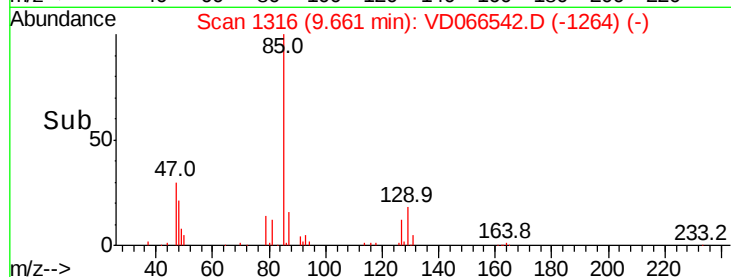
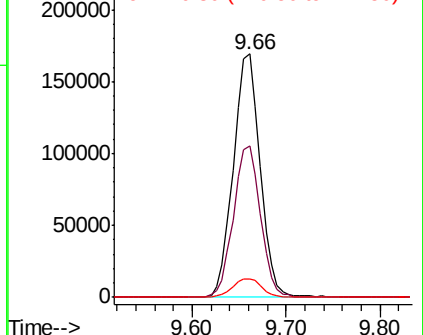
127 7.7 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 51.327 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

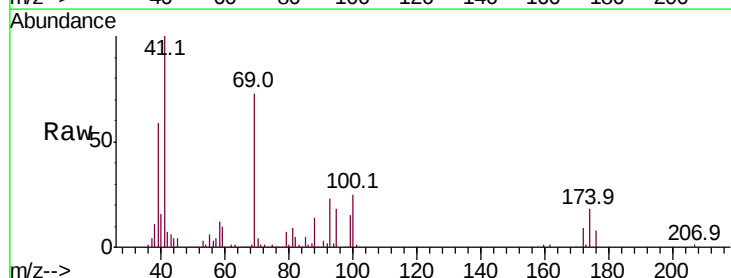
Tgt Ion: 41 Resp: 124100

Ion Ratio Lower Upper

41 100

69 85.2 64.5 96.7

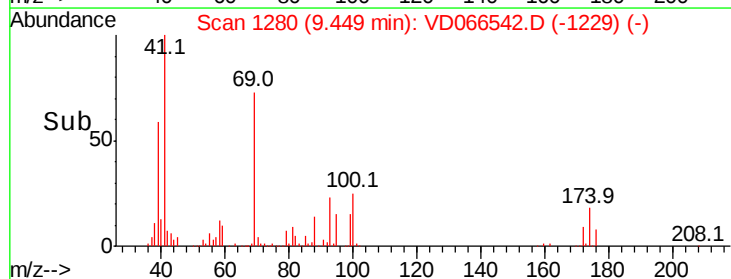
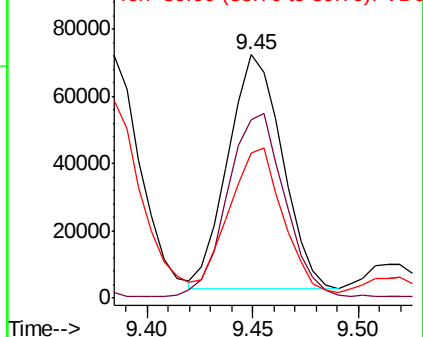
39 61.3 46.6 69.8

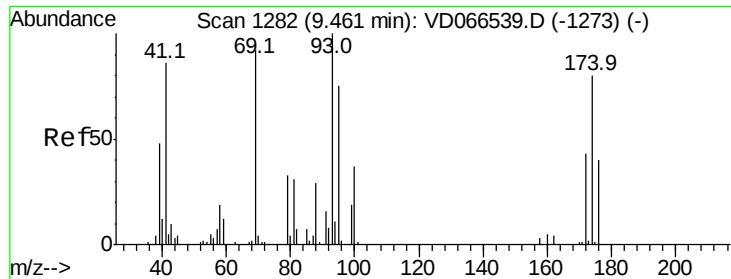


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

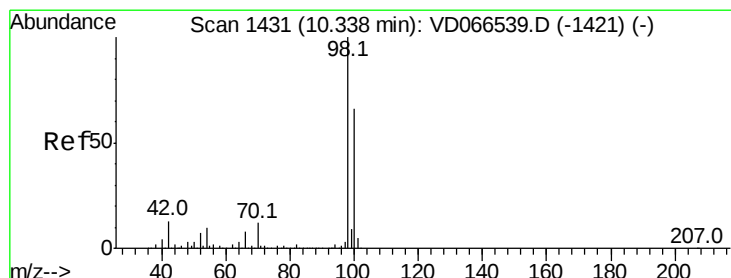
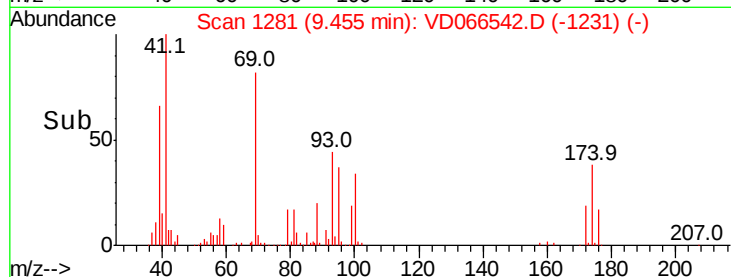
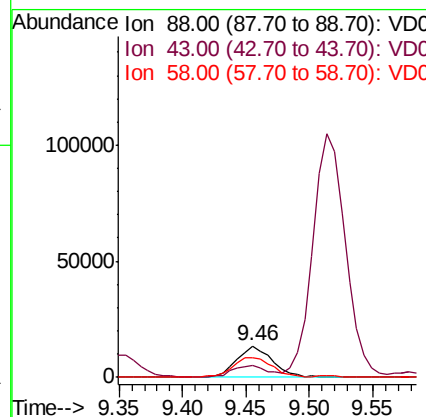
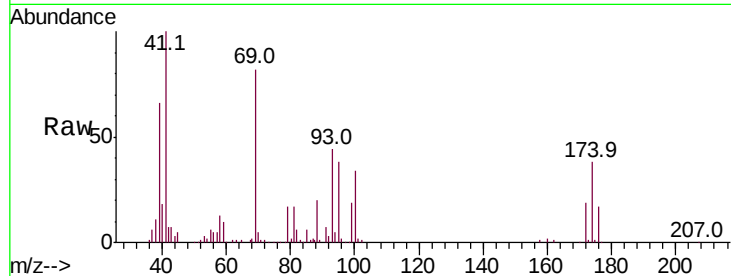




#49
1,4-Dioxane
Concen: 1005.681 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

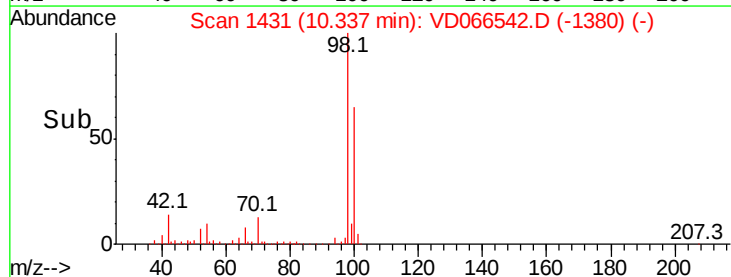
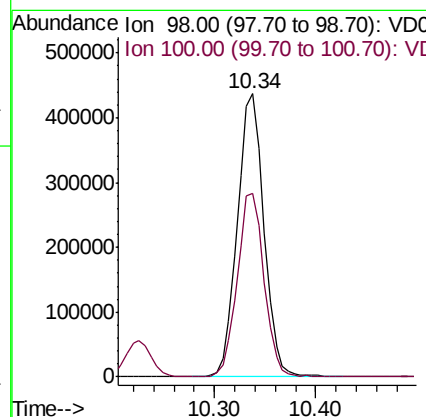
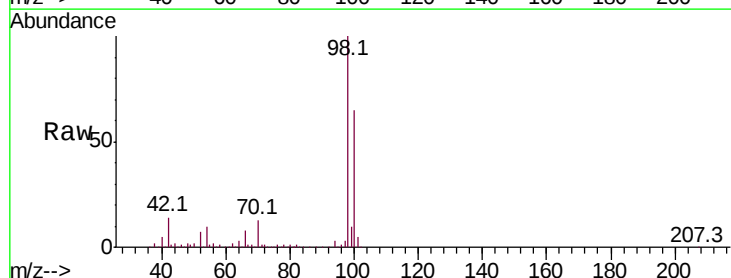
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

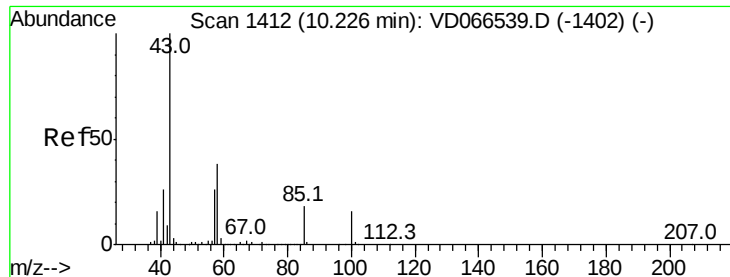
Tot Ion: 88 Resp: 26270
Ion Ratio Lower Upper
88 100
43 38.8 28.3 42.5
58 71.1 56.1 84.1



#50
Toluene-d8
Concen: 54.748 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 98 Resp: 794800
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 268.991 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

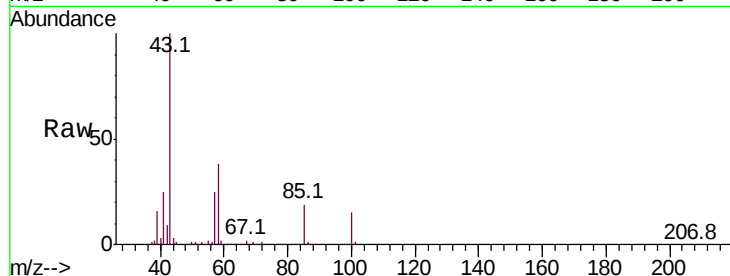
ICVVD090320

Tot Ion: 43 Resp: 648663

Ion Ratio Lower Upper

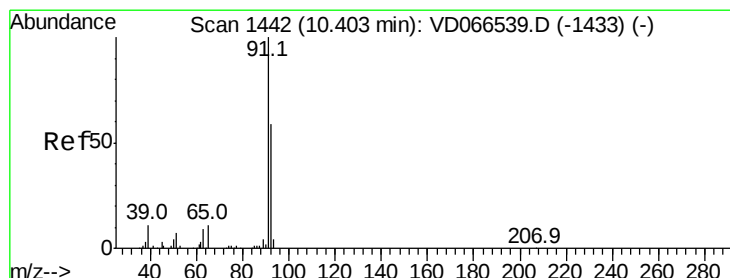
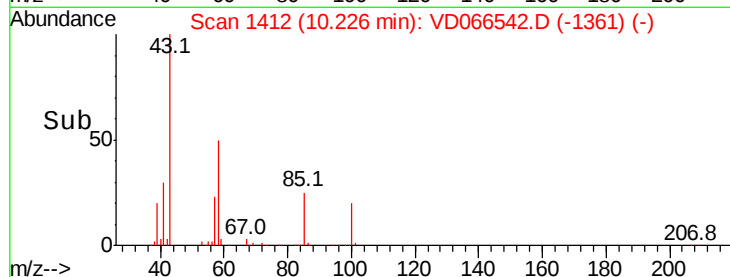
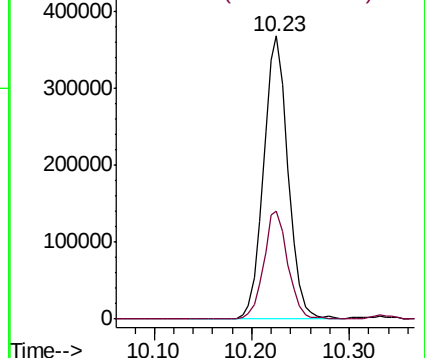
43 100

58 37.7 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.120 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066542.D

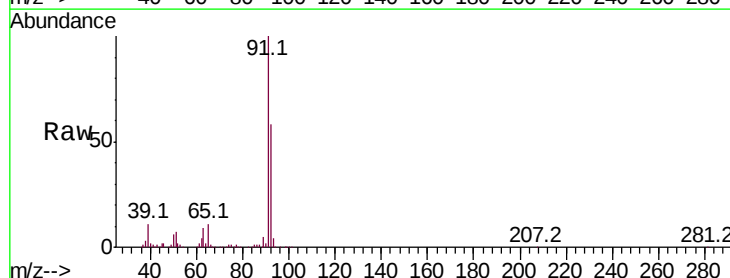
Acq: 03 Sep 2020 18:39

Tgt Ion: 92 Resp: 566180

Ion Ratio Lower Upper

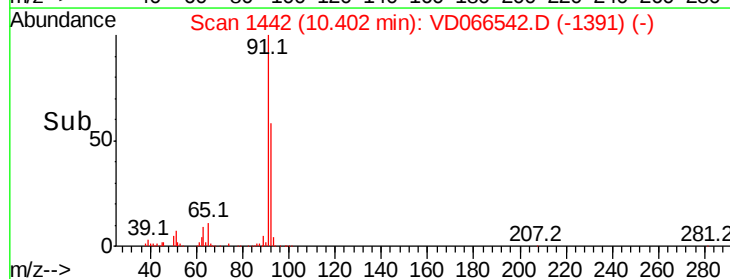
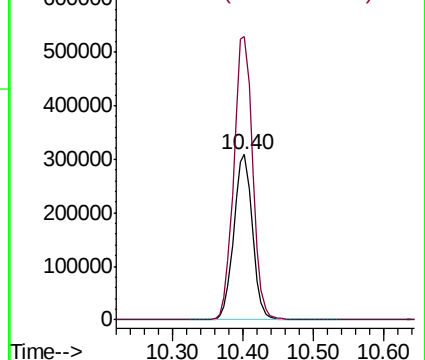
92 100

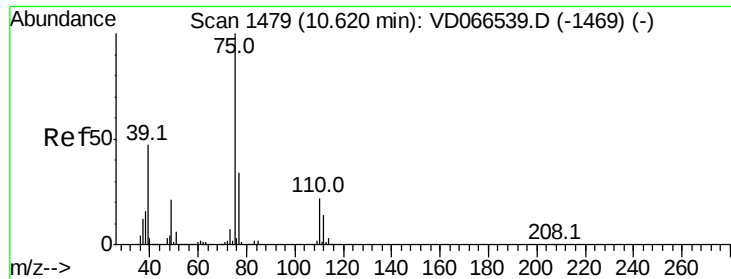
91 173.8 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.950 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

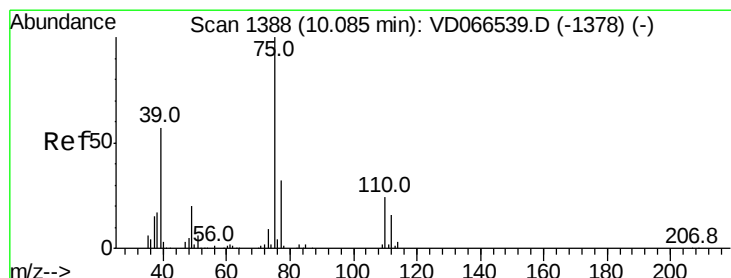
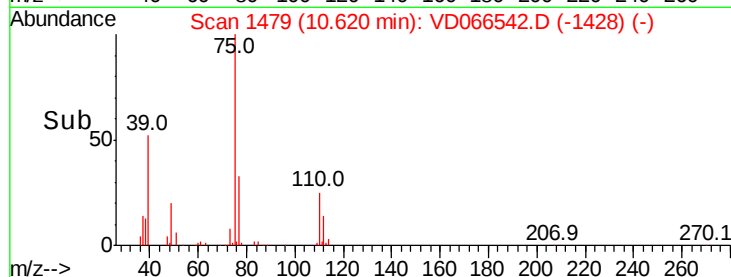
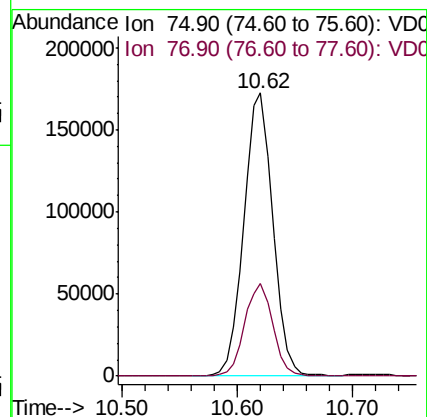
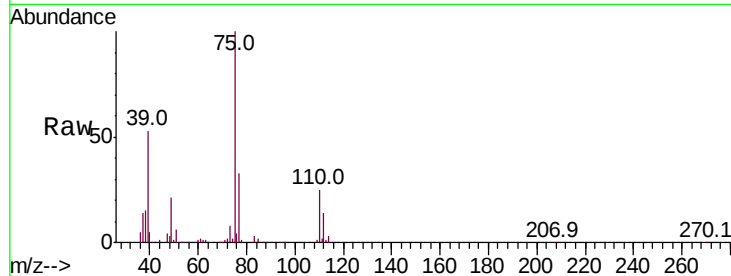
ICVVD090320

Tot Ion: 75 Resp: 301109

Ion Ratio Lower Upper

75 100

77 32.8 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 52.155 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

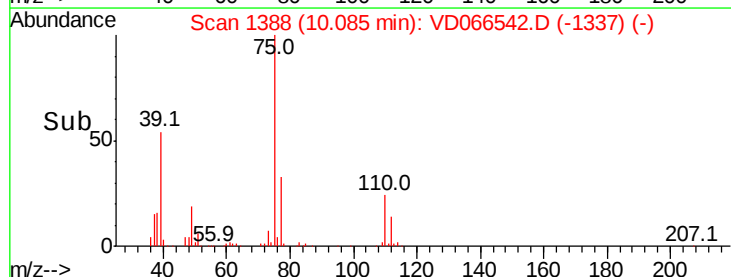
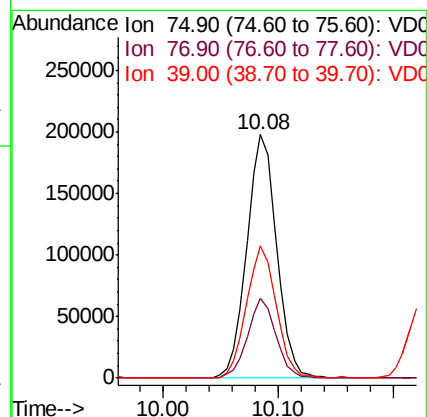
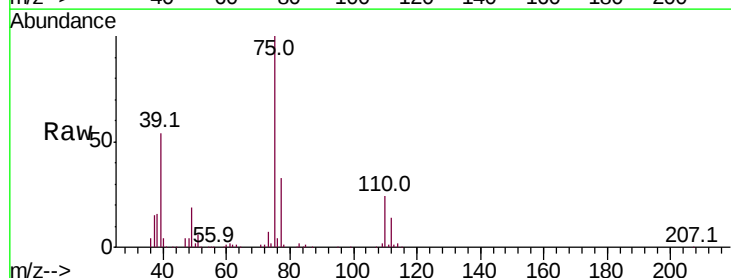
Tgt Ion: 75 Resp: 356169

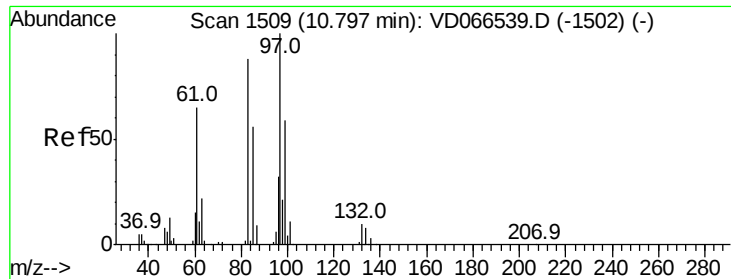
Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0

39 54.2 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 51.947 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 97 Resp: 159029

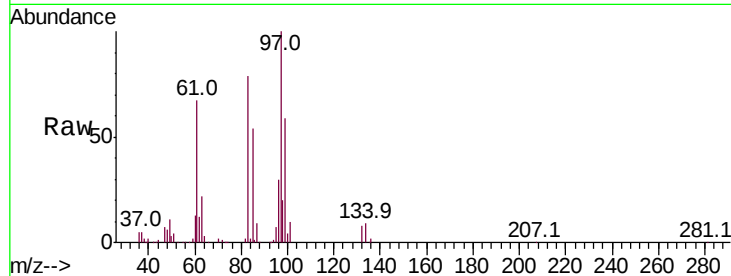
Ion Ratio Lower Upper

97 100

83 79.5 70.1 105.1

85 53.8 44.5 66.7

99 59.1 47.1 70.7

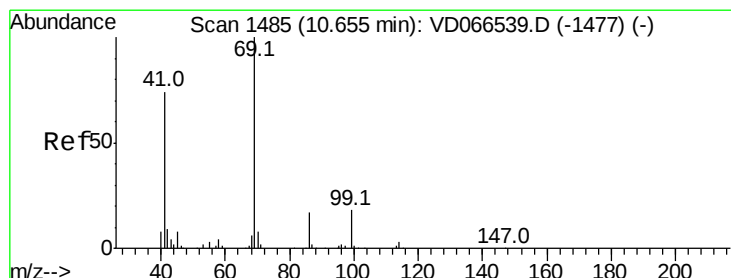
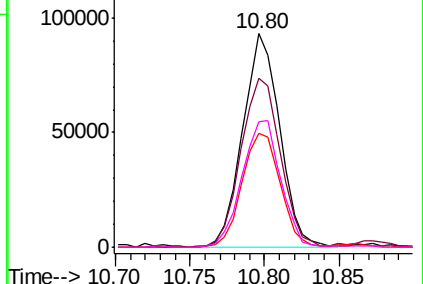
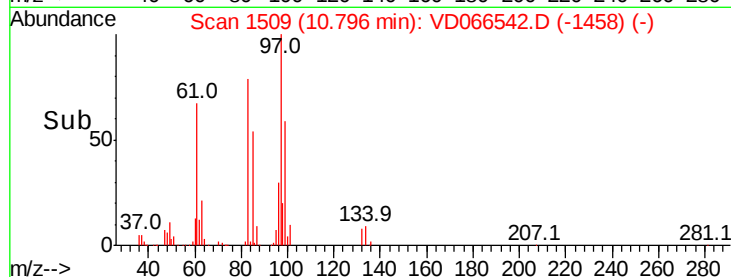


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 55.617 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

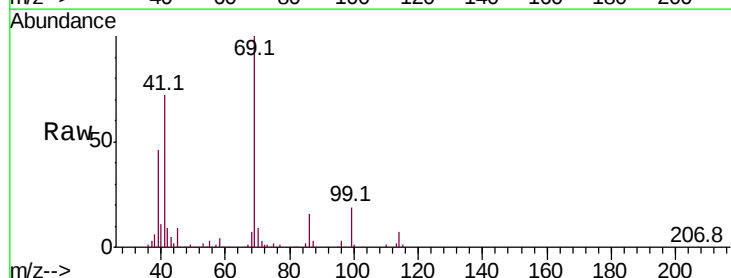
Tgt Ion: 69 Resp: 198248

Ion Ratio Lower Upper

69 100

41 70.5 56.8 85.2

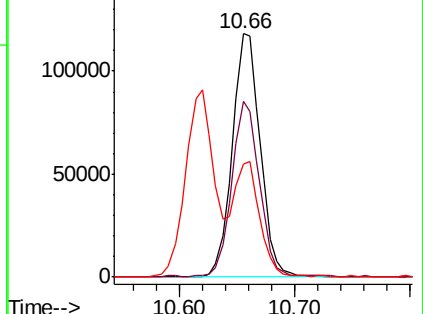
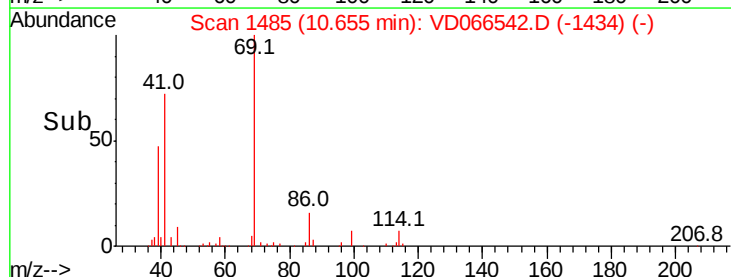
39 45.8 30.6 46.0

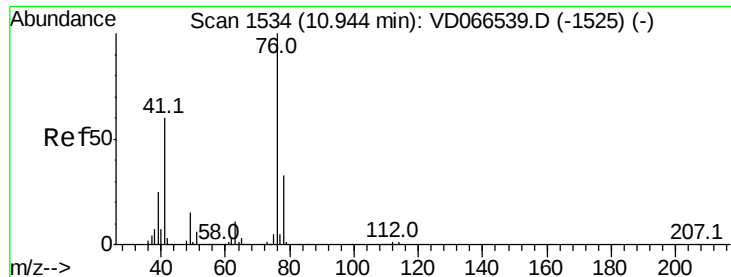


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.517 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

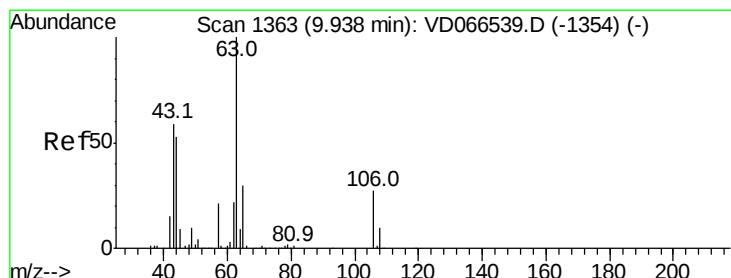
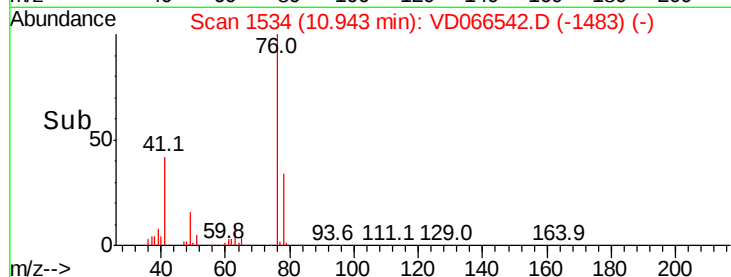
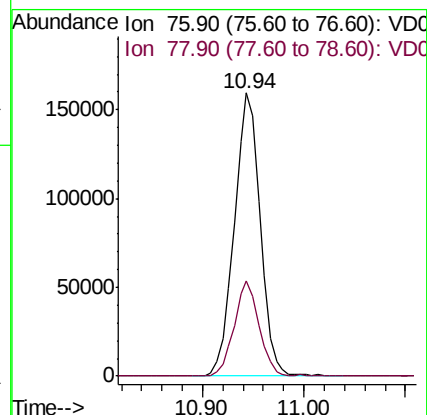
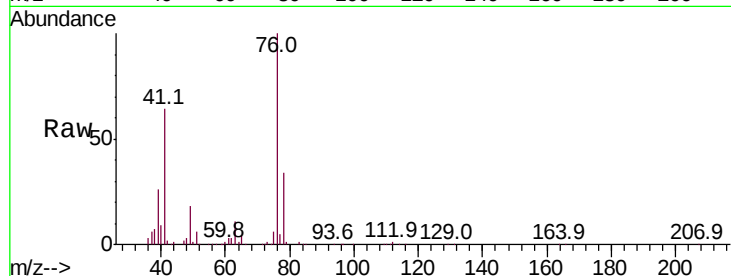
ICVVD090320

Tot Ion: 76 Resp: 281612

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 251.353 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066542.D

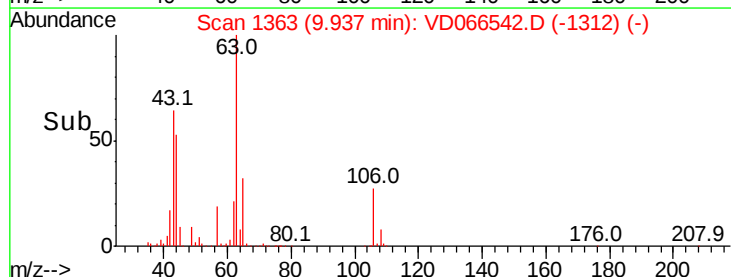
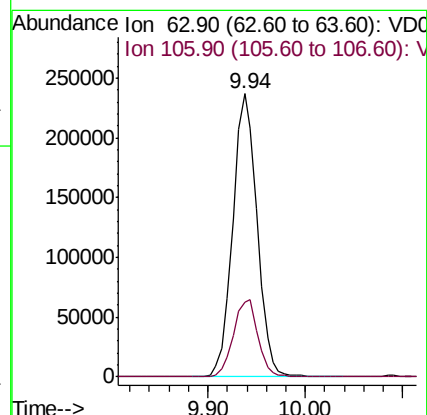
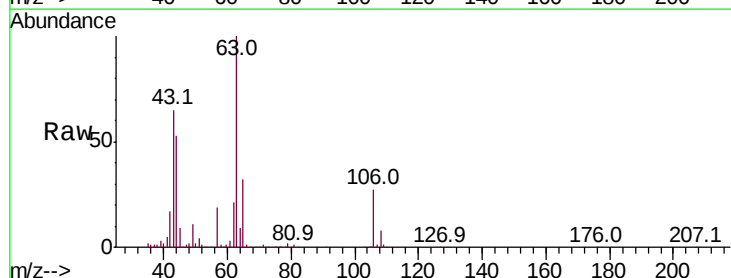
Acq: 03 Sep 2020 18:39

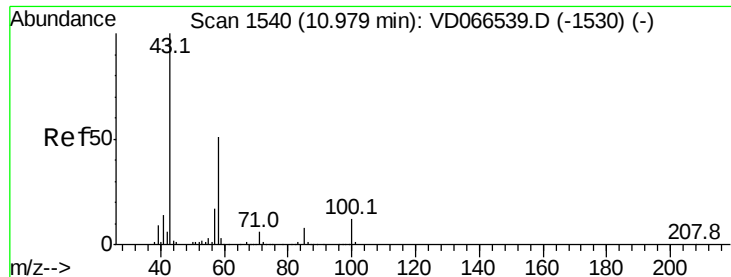
Tgt Ion: 63 Resp: 409803

Ion Ratio Lower Upper

63 100

106 27.7 22.0 33.0

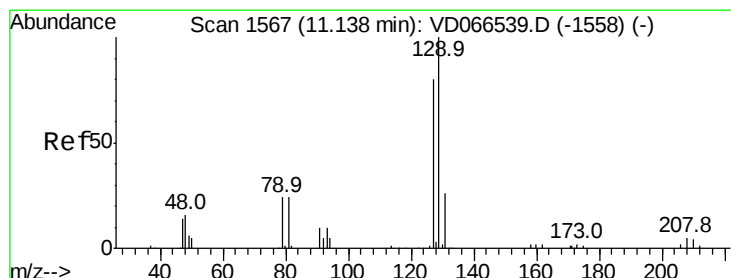
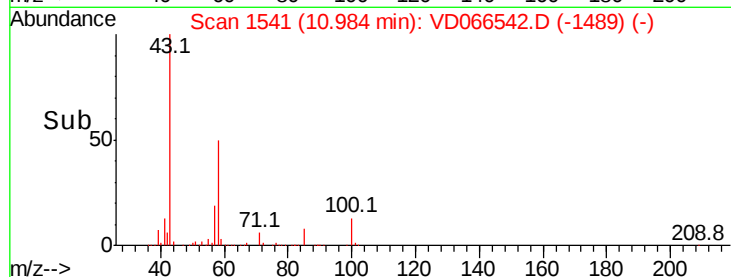
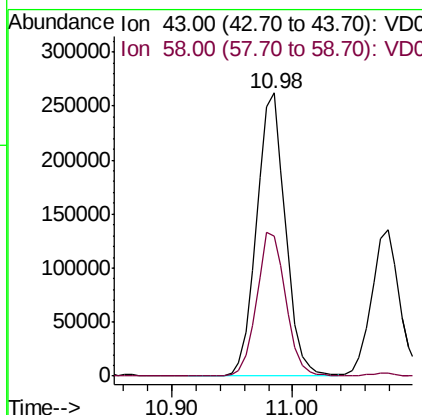
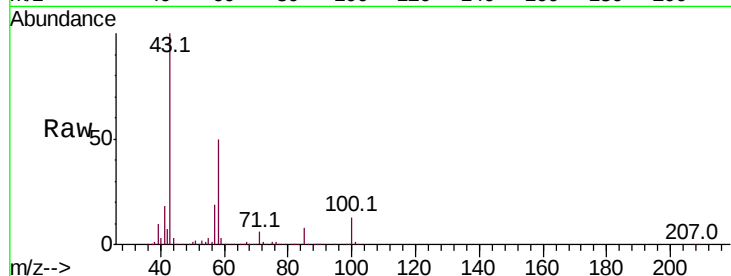




#59
2-Hexanone
Concen: 269.411 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

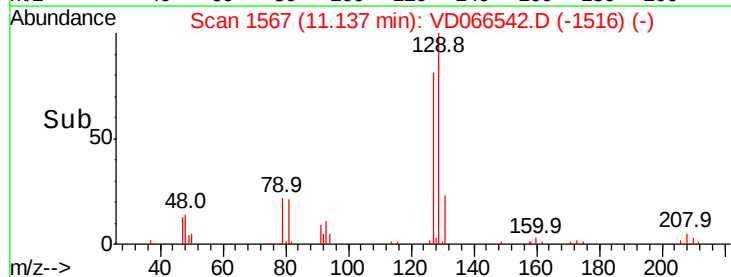
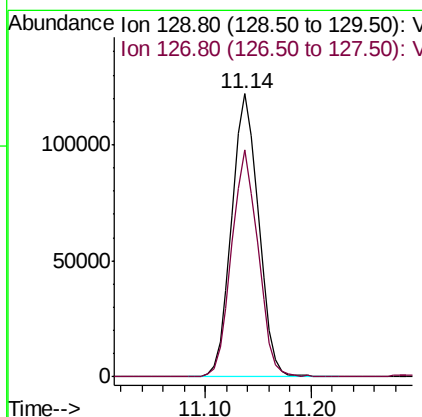
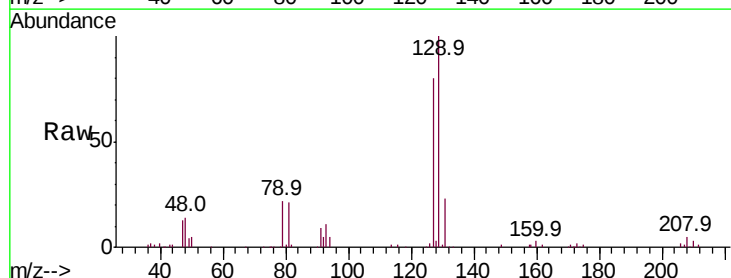
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

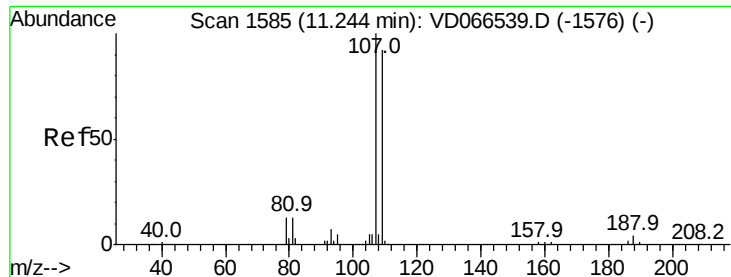
Tot Ion: 43 Resp: 436895
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8



#60
Dibromochloromethane
Concen: 53.085 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 129 Resp: 214901
Ion Ratio Lower Upper
129 100
127 79.1 39.5 118.3

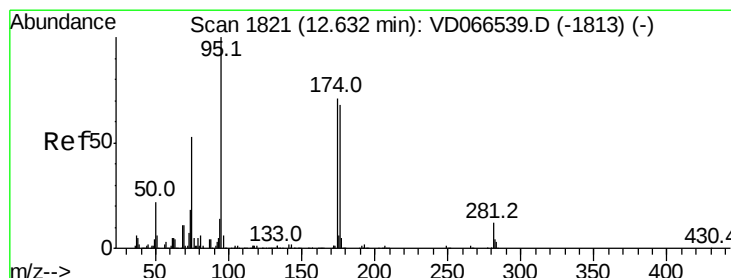
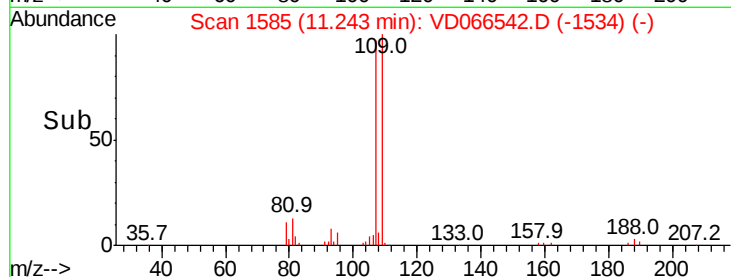
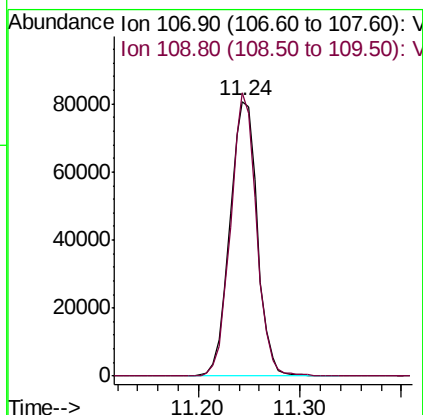
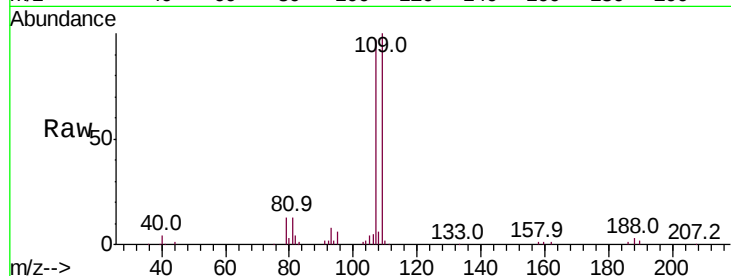




#61
 1,2-Dibromoethane
 Concen: 50.733 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

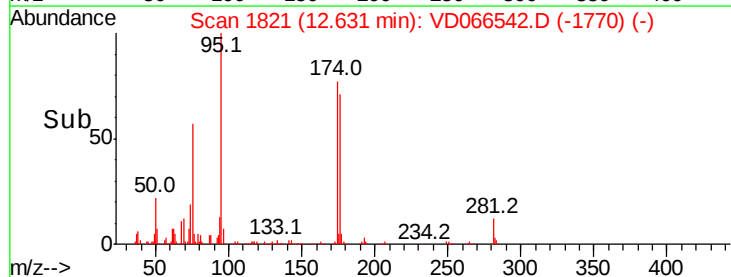
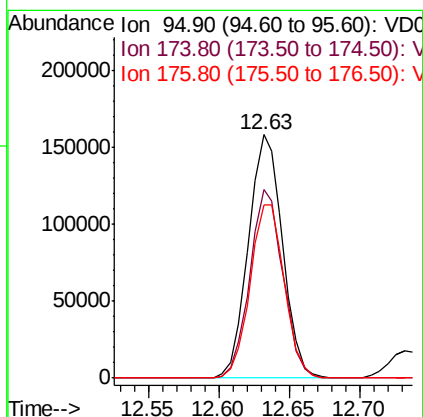
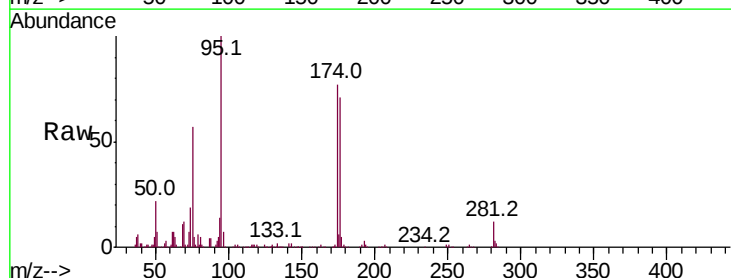
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

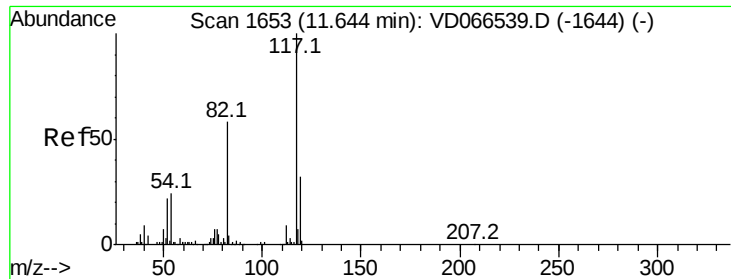
Tot Ion:107 Resp: 151102
 Ion Ratio Lower Upper
 107 100
 109 97.0 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 55.736 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Tgt Ion: 95 Resp: 268303
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 155.8
 176 71.6 0.0 148.6

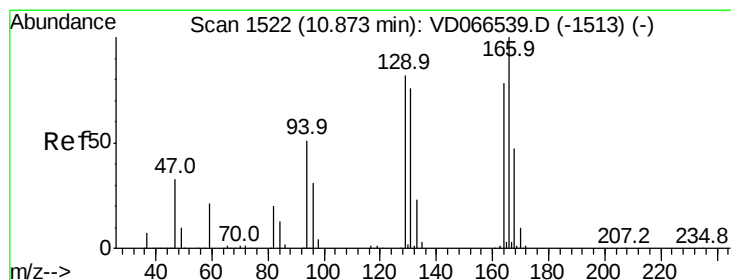
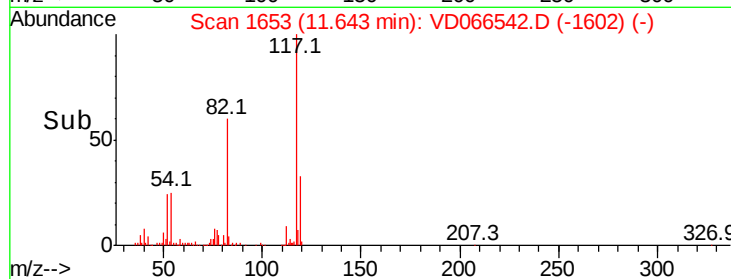
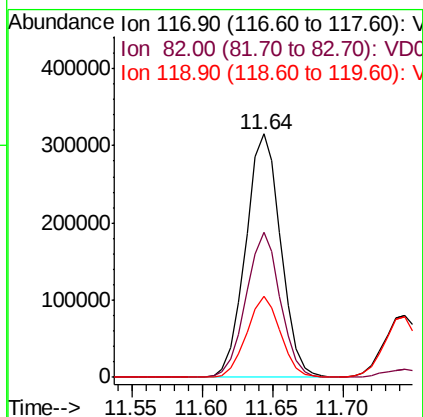
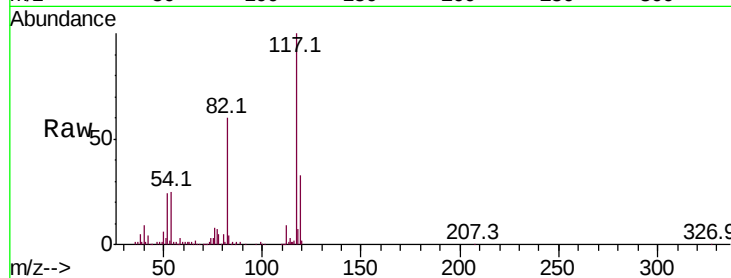




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

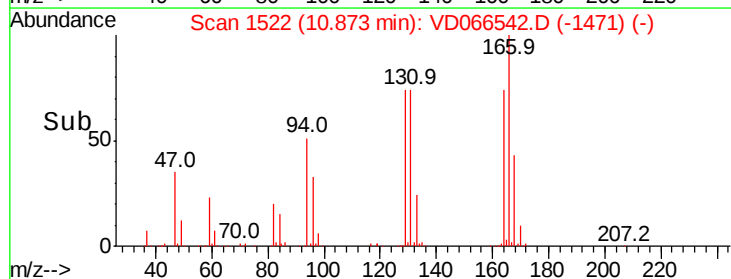
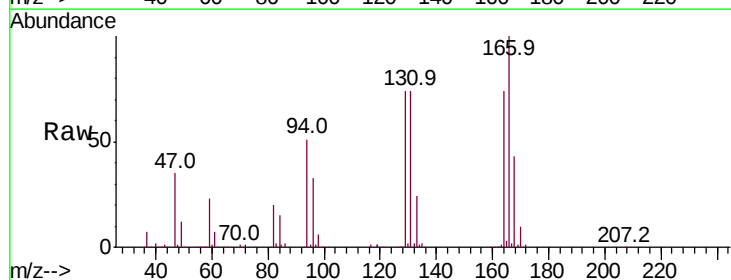
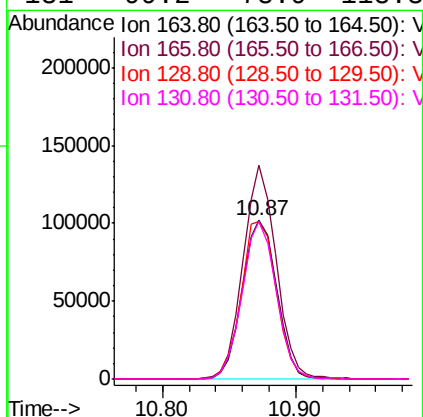
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

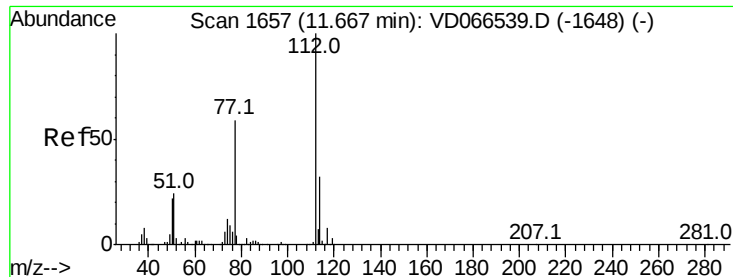
Tot Ion:117 Resp: 549128
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.2
119 33.2 25.8 38.8



#64
Tetrachloroethene
Concen: 49.502 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion:164 Resp: 183024
Ion Ratio Lower Upper
164 100
166 134.8 103.2 154.8
129 99.4 84.5 126.7
131 99.2 78.9 118.3





#65

Chlorobenzene

Concen: 51.548 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

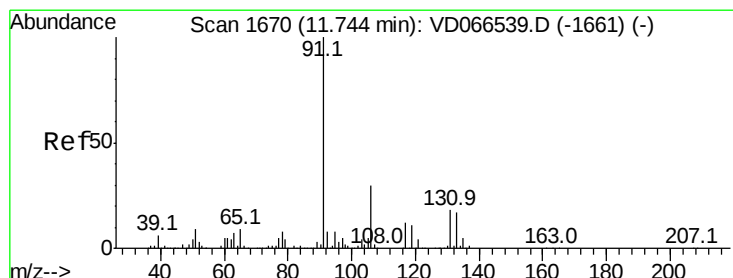
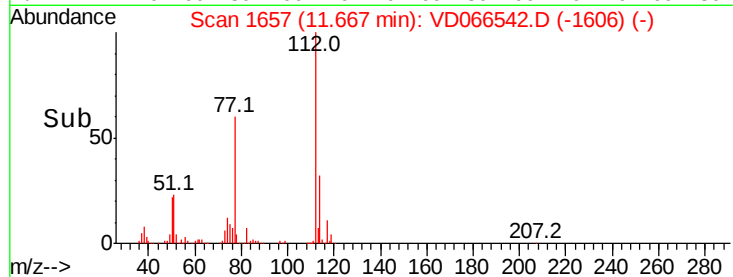
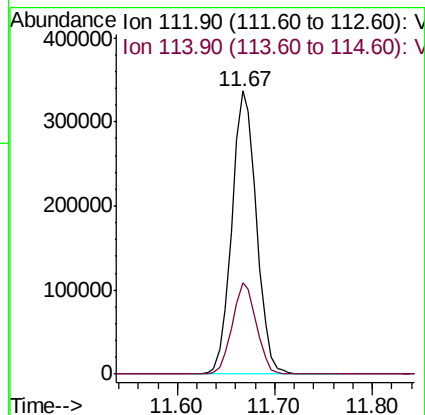
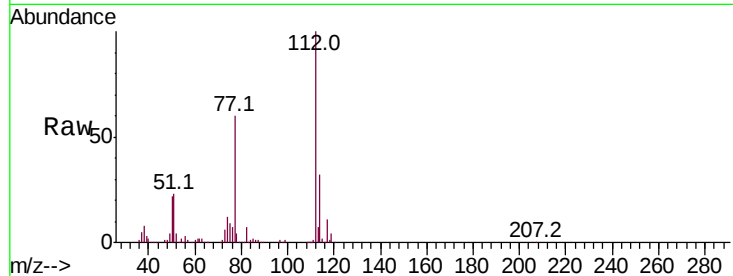
ICVVD090320

Tot Ion:112 Resp: 584219

Ion Ratio Lower Upper

112 100

114 32.3 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 51.426 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

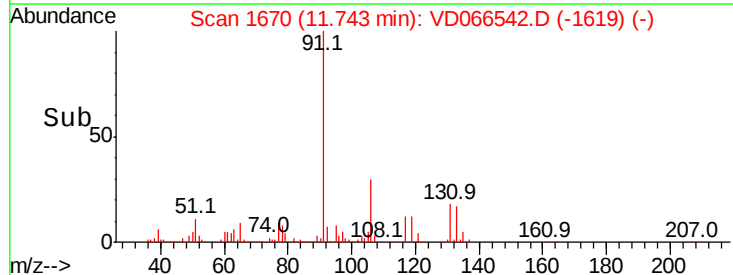
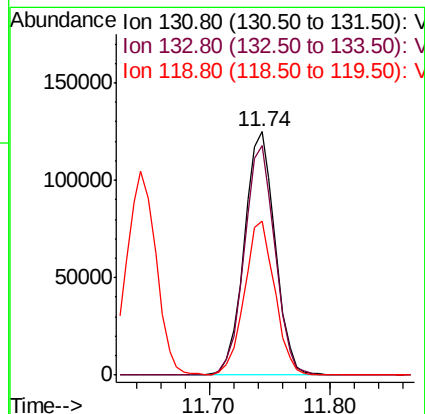
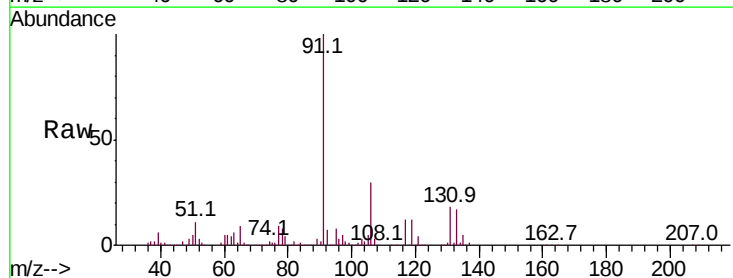
Tgt Ion:131 Resp: 222442

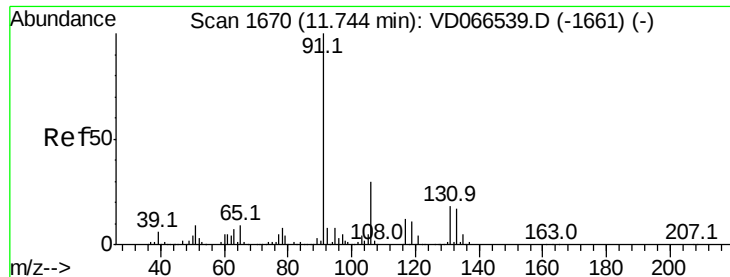
Ion Ratio Lower Upper

131 100

133 94.0 46.7 140.0

119 62.8 31.9 95.7





#67

Ethyl Benzene

Concen: 52.660 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

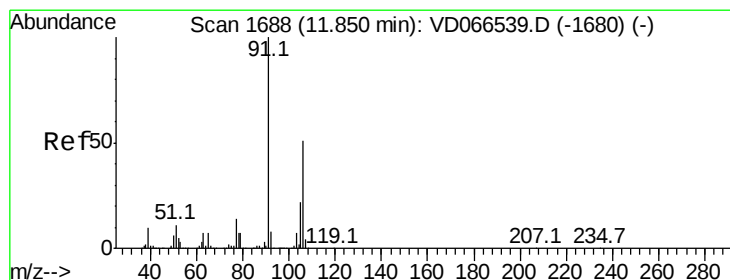
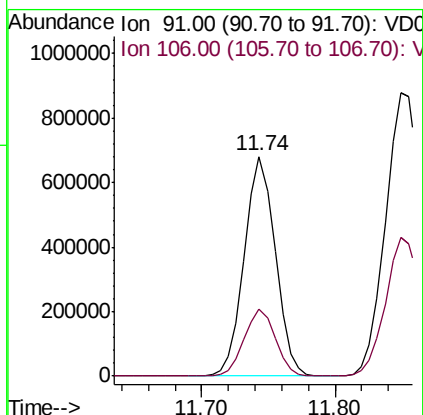
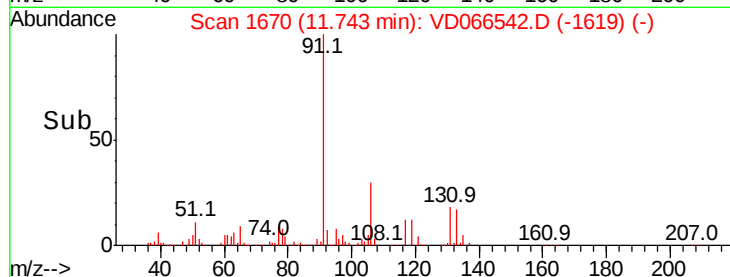
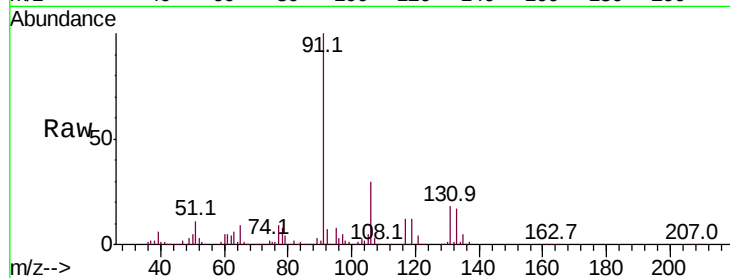
ICVVD090320

Tot Ion: 91 Resp: 1095892

Ion Ratio Lower Upper

91 100

106 30.3 24.3 36.5



#68

m/p-Xylenes

Concen: 106.440 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066542.D

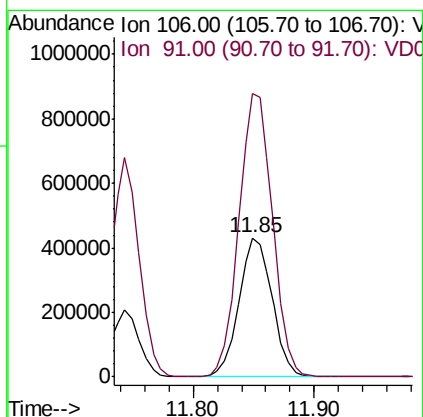
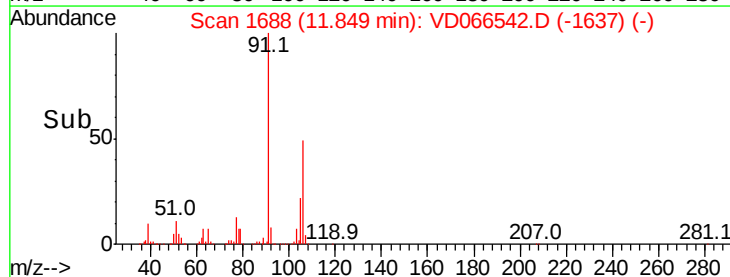
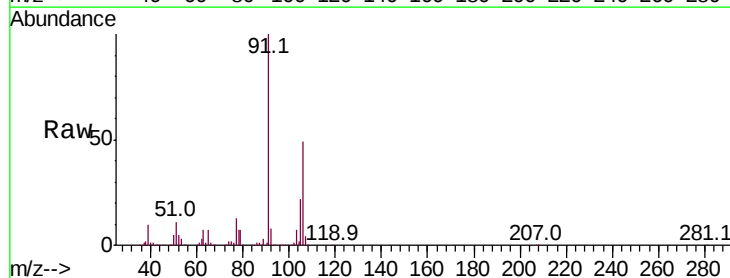
Acq: 03 Sep 2020 18:39

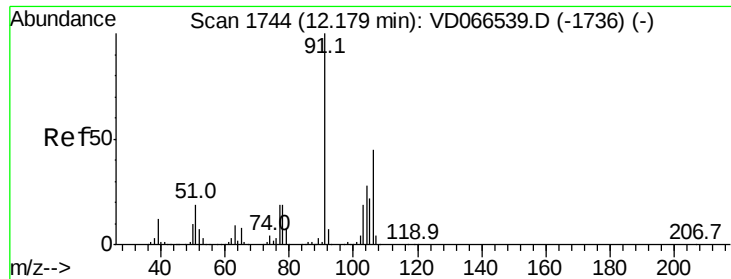
Tgt Ion:106 Resp: 822468

Ion Ratio Lower Upper

106 100

91 206.8 162.4 243.6

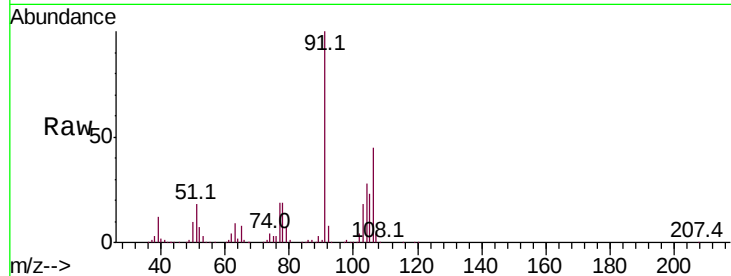




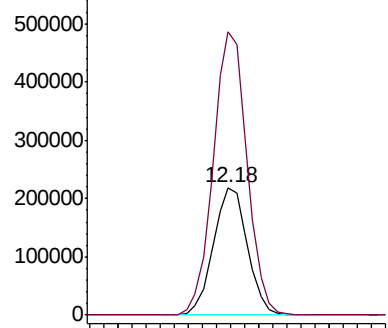
#69
o-Xylene
Concen: 53.169 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

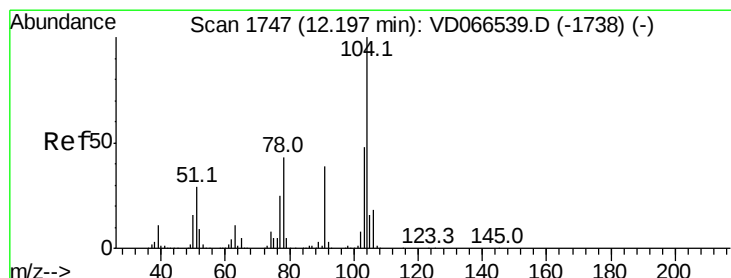
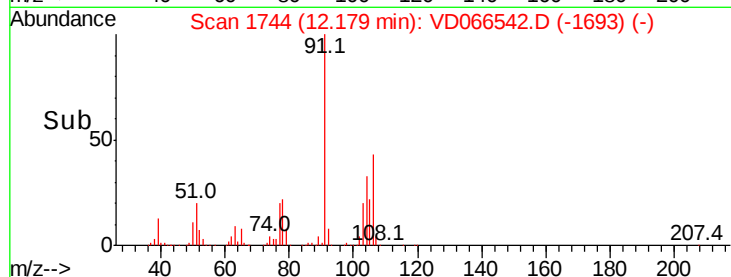
Tot Ion:106 Resp: 368189
Ion Ratio Lower Upper
106 100
91 220.5 107.9 323.8



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

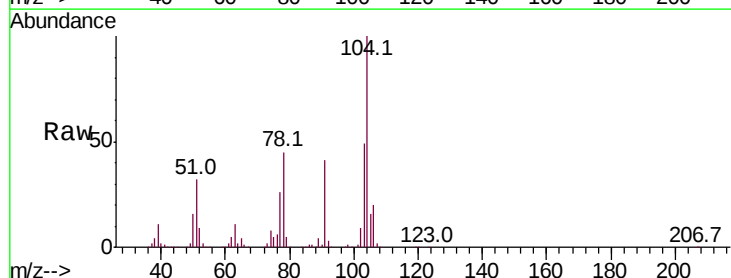


Time--> 12.10 12.15 12.20 12.25

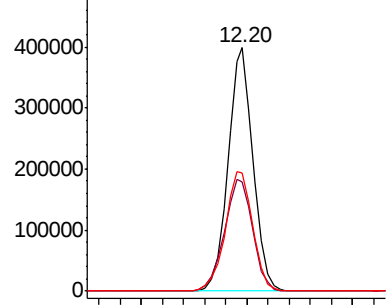


#70
Styrene
Concen: 54.431 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

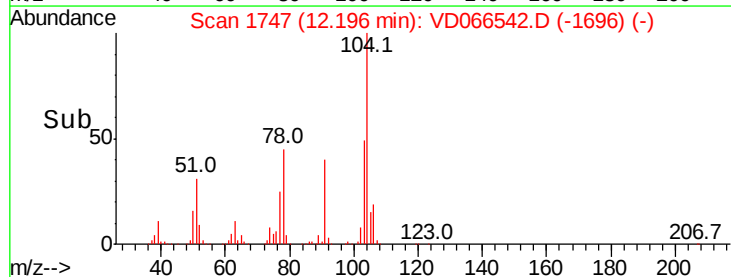
Tgt Ion:104 Resp: 655305
Ion Ratio Lower Upper
104 100
78 51.9 40.7 61.1
103 54.0 42.9 64.3

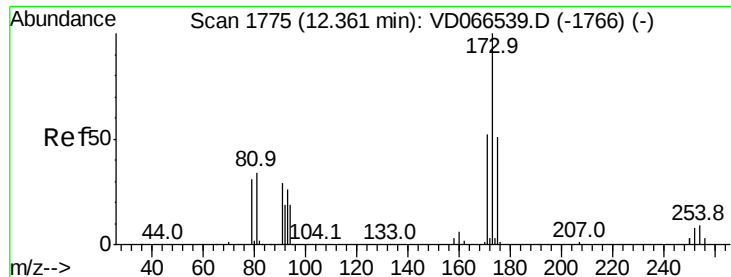


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20 12.30





#71

Bromoform

Concen: 52.007 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

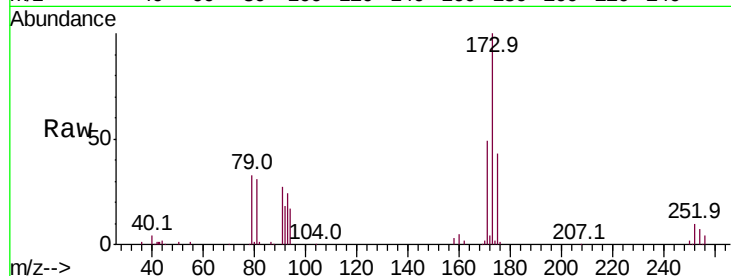
Tot Ion:173 Resp: 113370

Ion Ratio Lower Upper

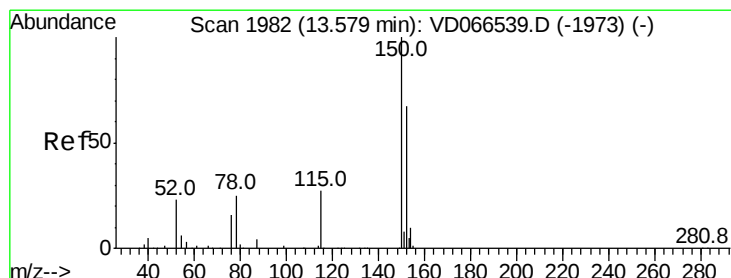
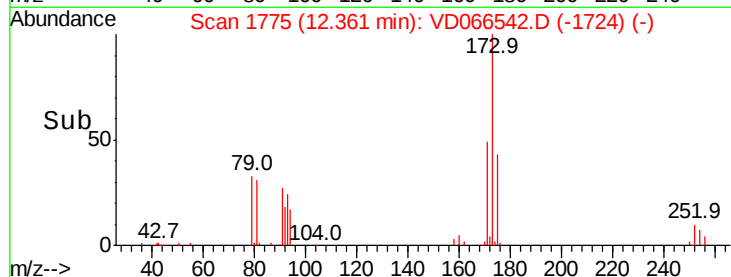
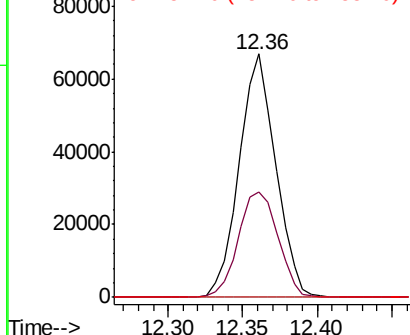
173 100

175 47.1 24.2 72.6

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

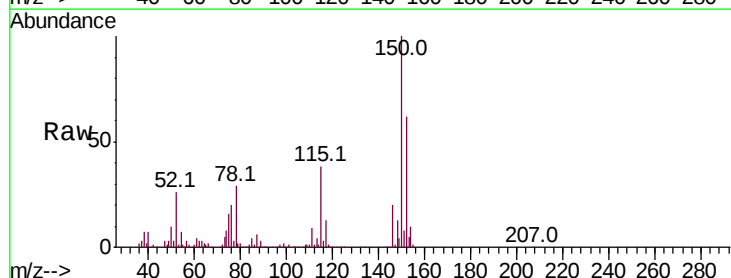
Tgt Ion:152 Resp: 255848

Ion Ratio Lower Upper

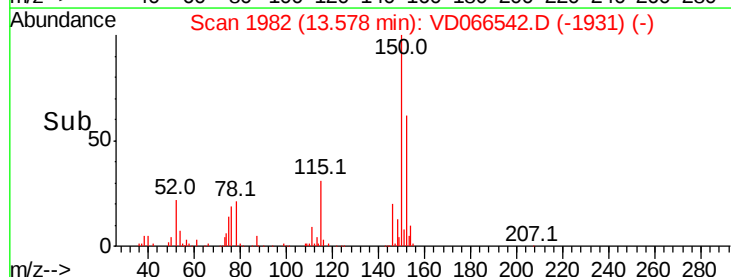
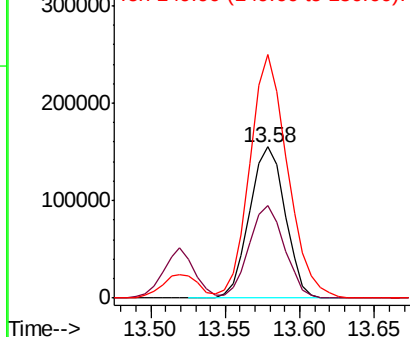
152 100

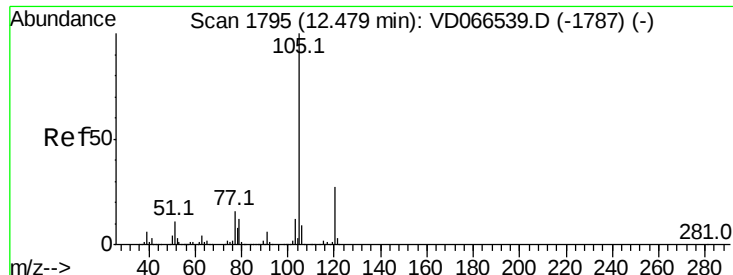
115 60.4 30.4 91.2

150 170.1 0.0 345.8



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





#73

Isopropylbenzene

Concen: 54.237 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

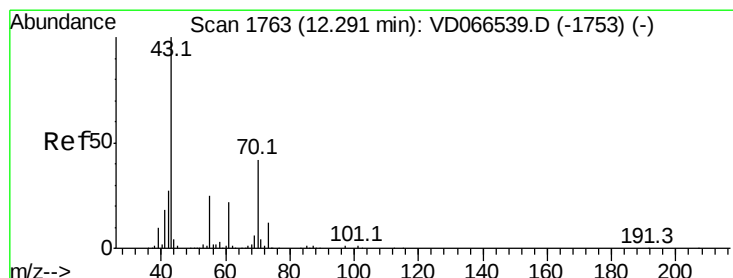
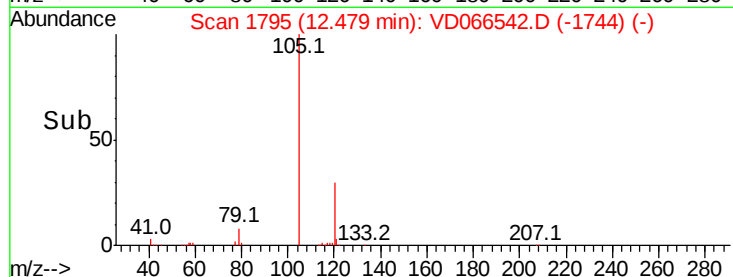
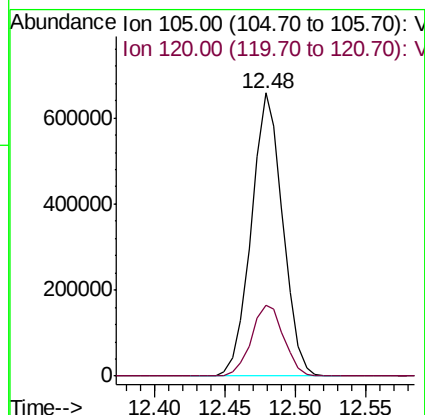
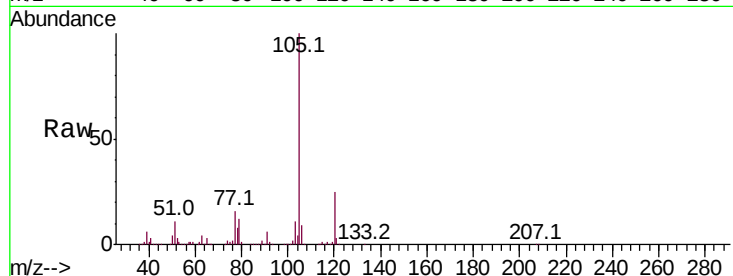
ICVVD090320

Tot Ion:105 Resp: 1027403

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#74

N-ethyl acetate

Concen: 53.178 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion: 43 Resp: 228148

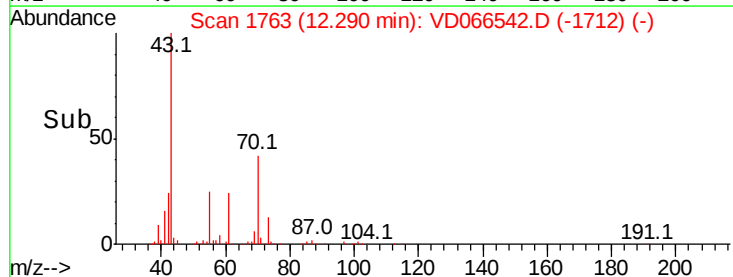
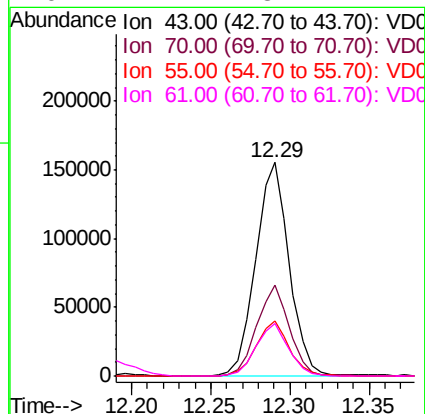
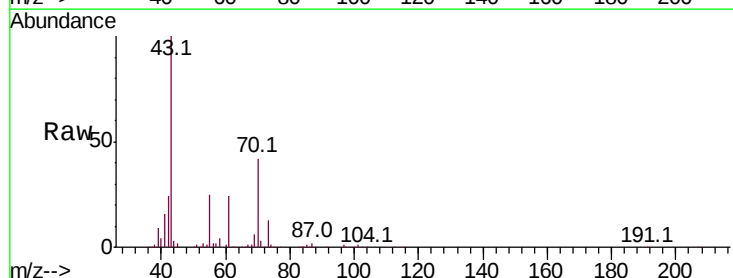
Ion Ratio Lower Upper

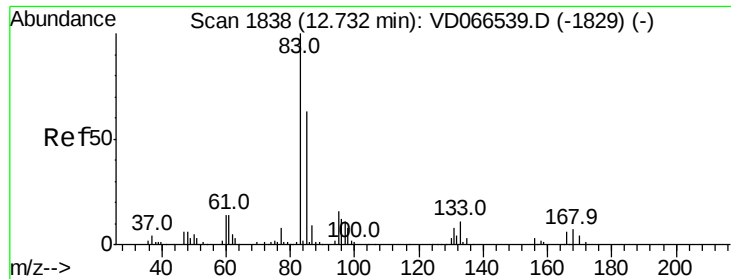
43 100

70 42.0 33.4 50.2

55 25.5 20.1 30.1

61 24.1 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.631 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

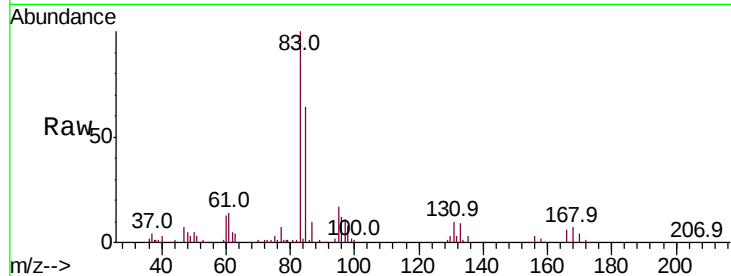
Tot Ion: 83 Resp: 172785

Ion Ratio Lower Upper

83 100

131 10.8 5.0 15.0

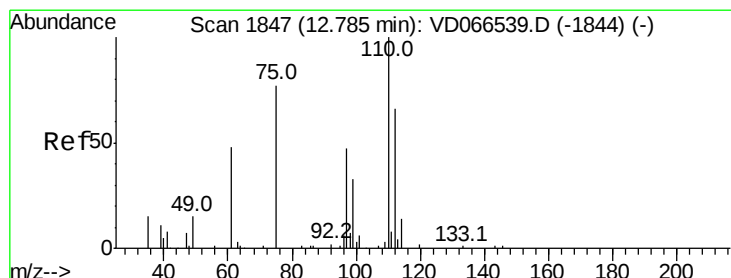
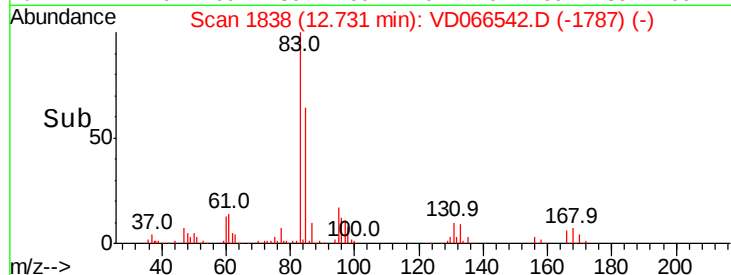
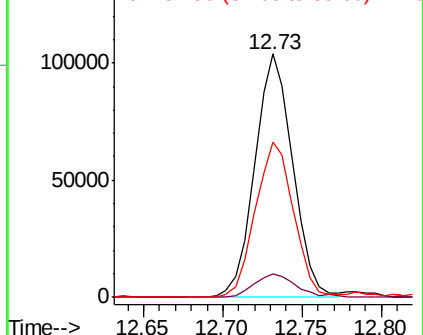
85 64.5 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 95.748 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066542.D

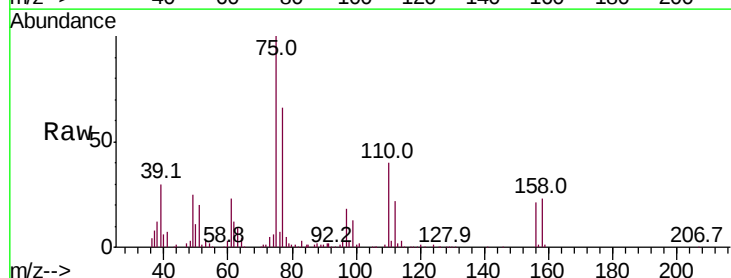
Acq: 03 Sep 2020 18:39

Tgt Ion: 75 Resp: 235595

Ion Ratio Lower Upper

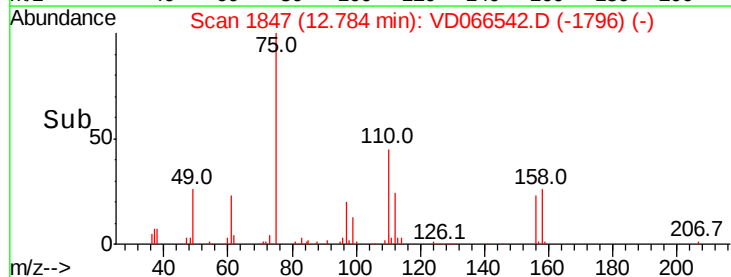
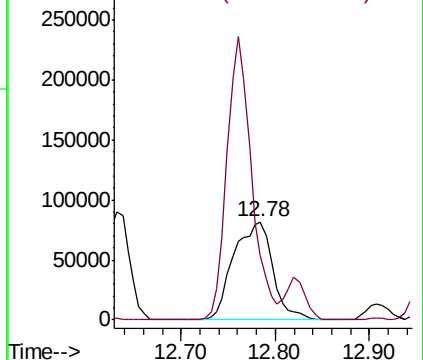
75 100

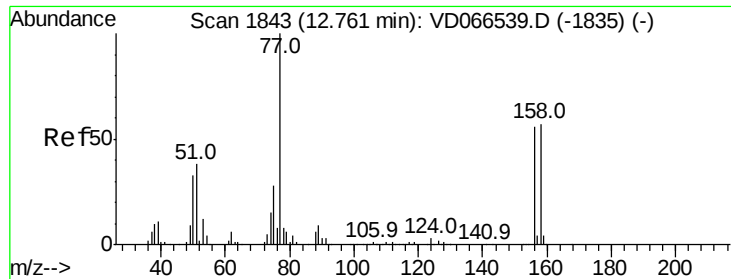
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

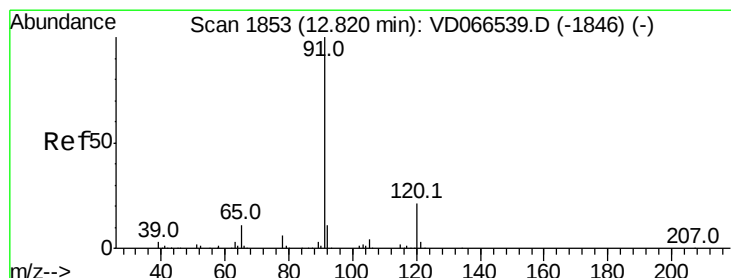
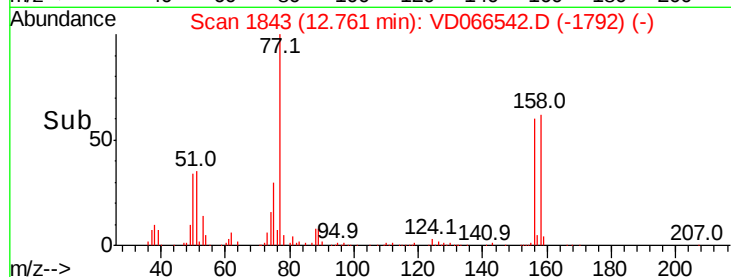
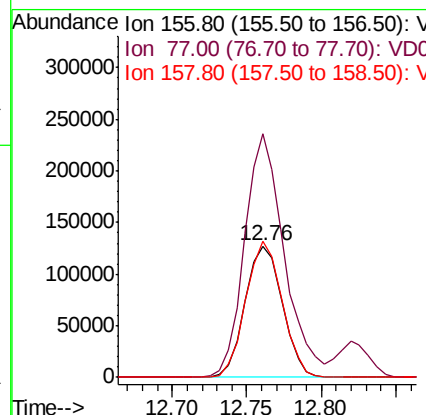
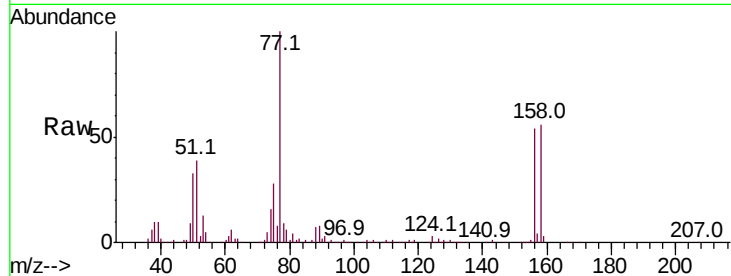




#77
Bromobenzene
Concen: 52.086 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

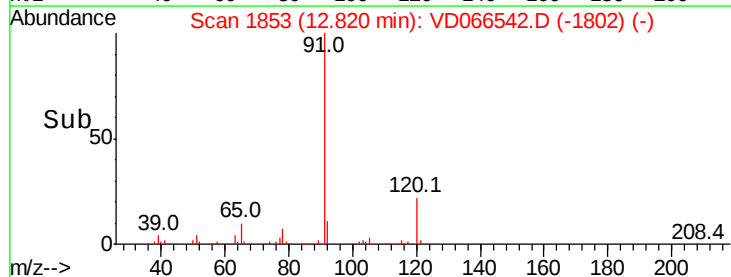
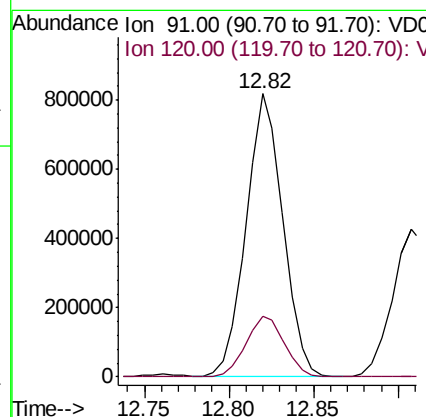
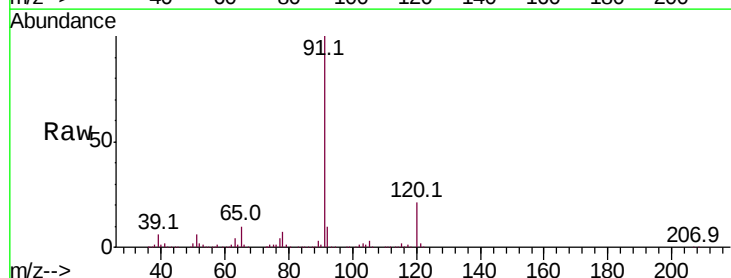
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

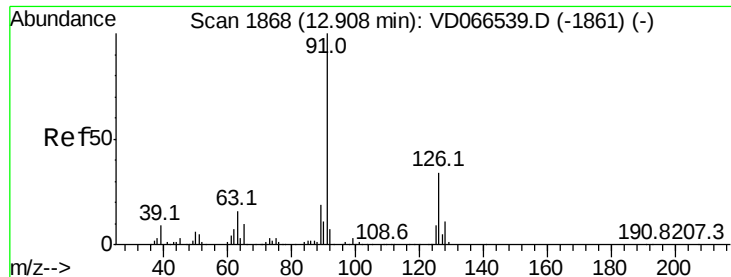
Tot Ion:156 Resp: 219965
Ion Ratio Lower Upper
156 100
77 196.8 98.0 294.1
158 100.8 48.1 144.3



#78
n-propylbenzene
Concen: 53.927 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 91 Resp: 1238350
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.1





#79

2-Chlorotoluene

Concen: 54.859 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

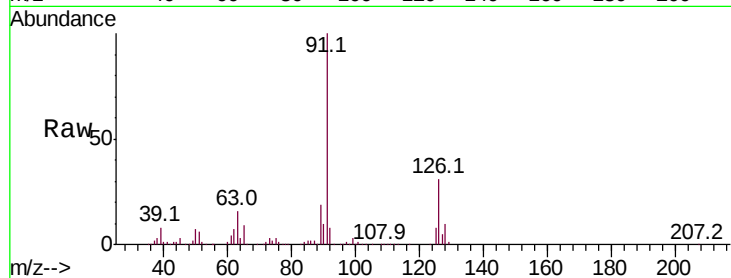
ICVVD090320

Tot Ion: 91 Resp: 706711

Ion Ratio Lower Upper

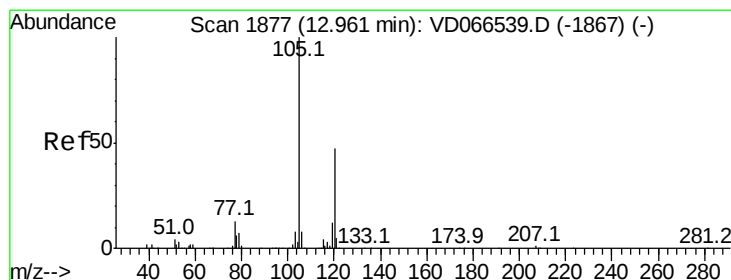
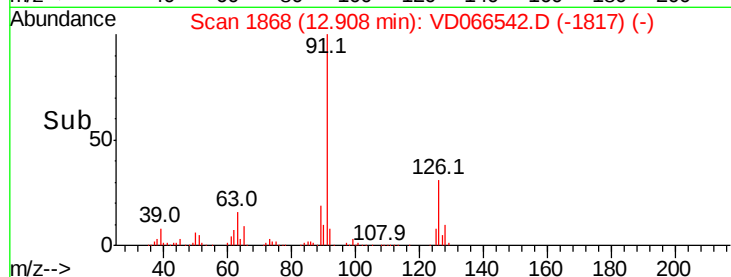
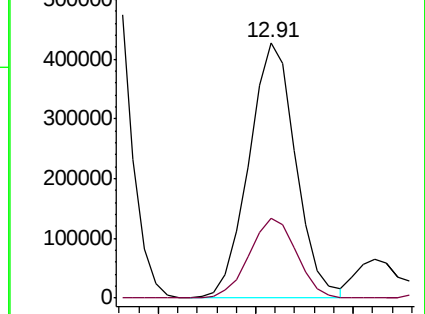
91 100

126 31.7 16.4 49.4



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: 54.453 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066542.D

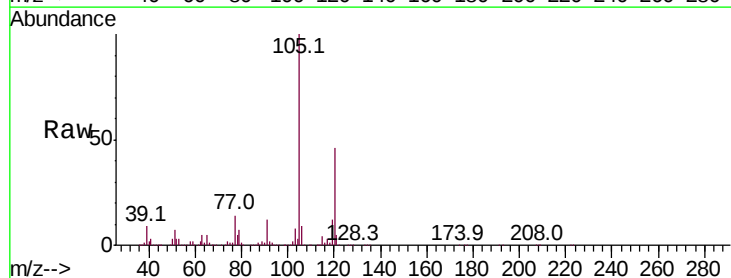
Acq: 03 Sep 2020 18:39

Tgt Ion:105 Resp: 868169

Ion Ratio Lower Upper

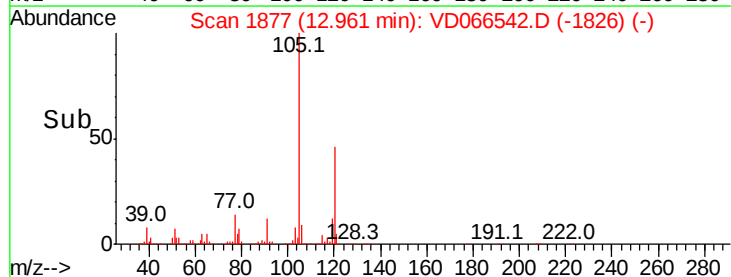
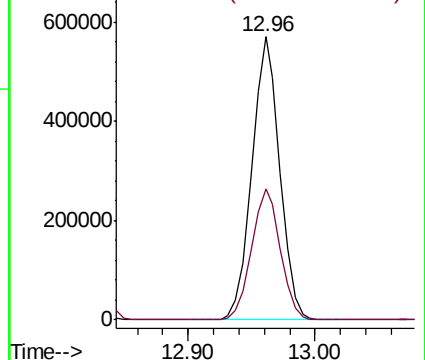
105 100

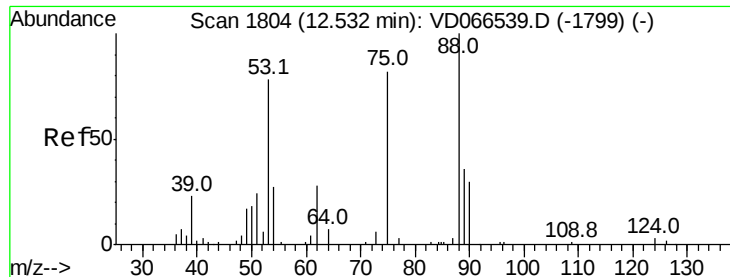
120 48.0 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.469 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

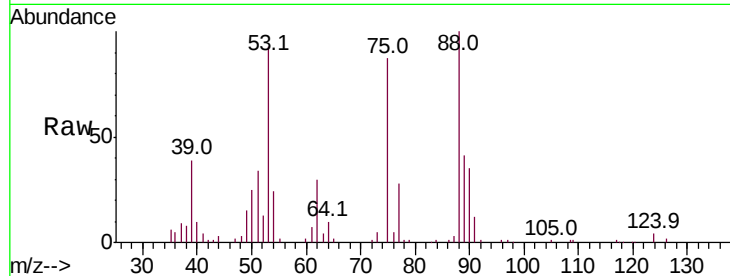
Tot Ion: 75 Resp: 55299

Ion Ratio Lower Upper

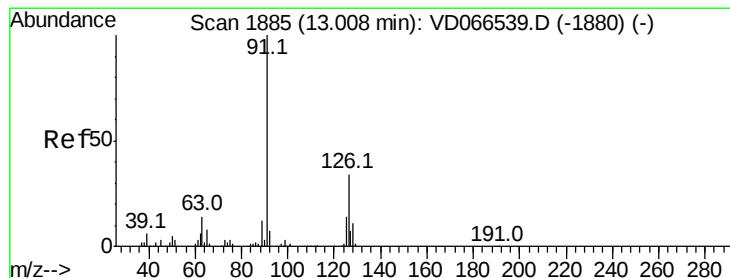
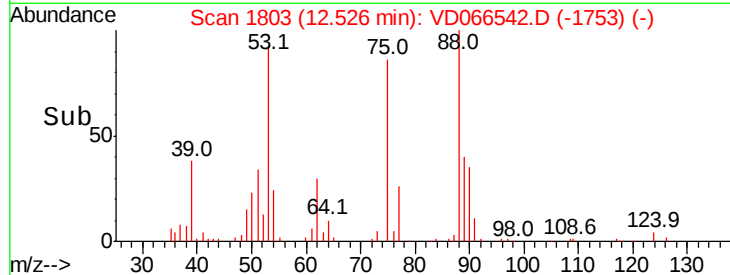
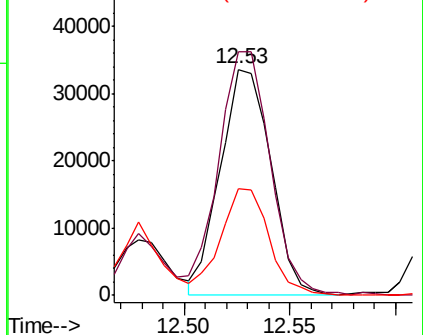
75 100

53 112.0 87.0 130.4

89 46.0 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 53.002 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066542.D

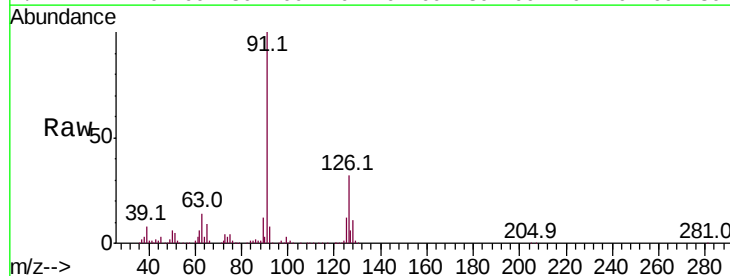
Acq: 03 Sep 2020 18:39

Tgt Ion: 91 Resp: 730150

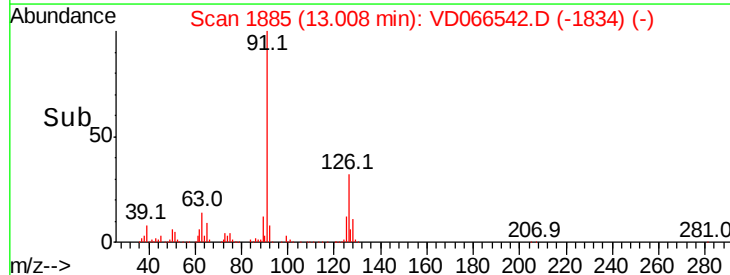
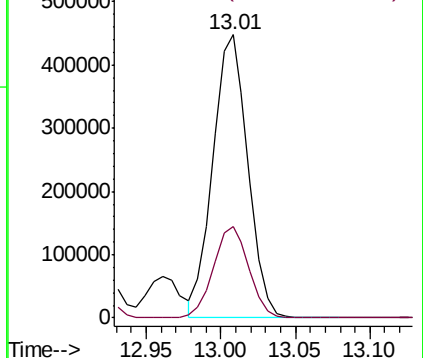
Ion Ratio Lower Upper

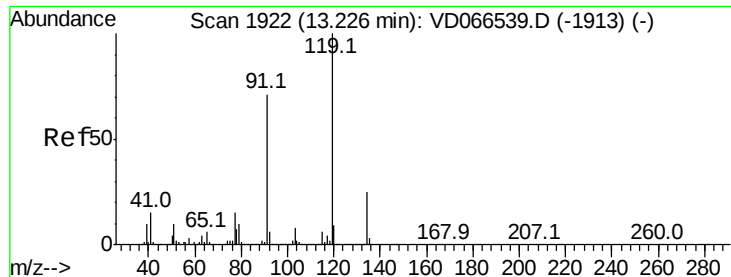
91 100

126 33.0 16.4 49.1



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





#83

tert-Butylbenzene

Concen: 54.960 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

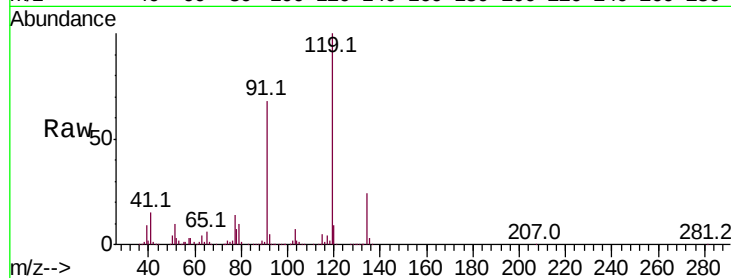
Tot Ion:119 Resp: 715559

Ion Ratio Lower Upper

119 100

91 69.3 35.2 105.6

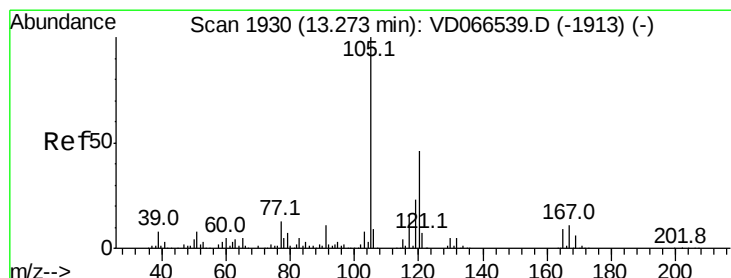
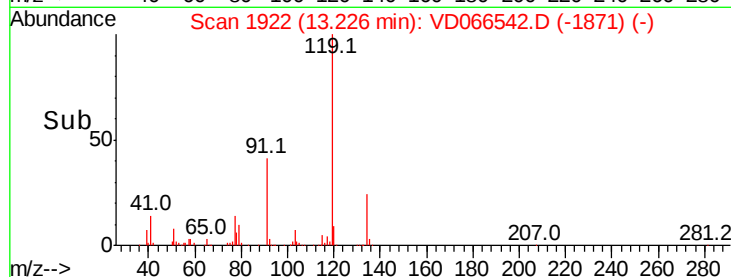
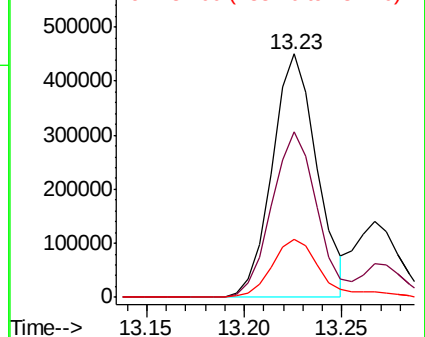
134 26.4 13.5 40.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.939 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066542.D

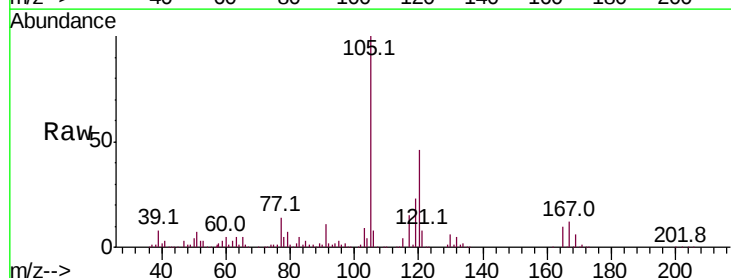
Acq: 03 Sep 2020 18:39

Tgt Ion:105 Resp: 872079

Ion Ratio Lower Upper

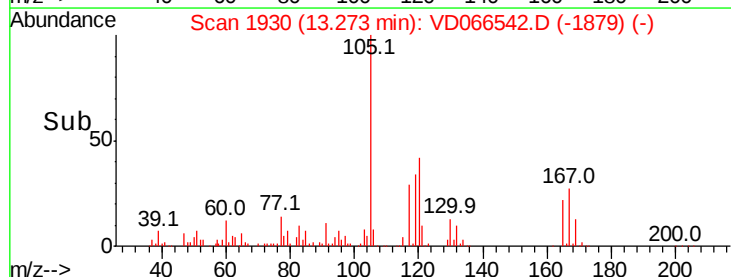
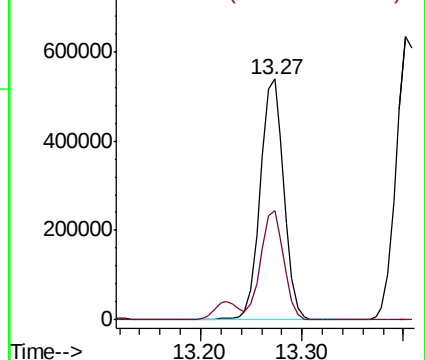
105 100

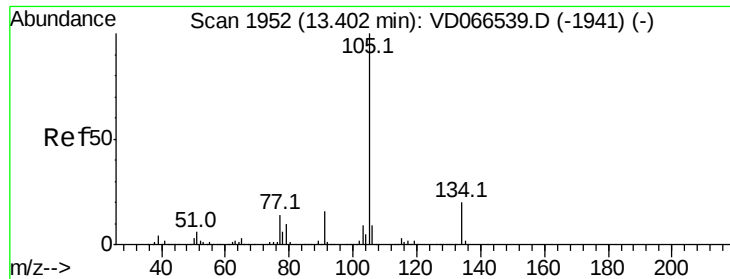
120 44.2 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.448 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

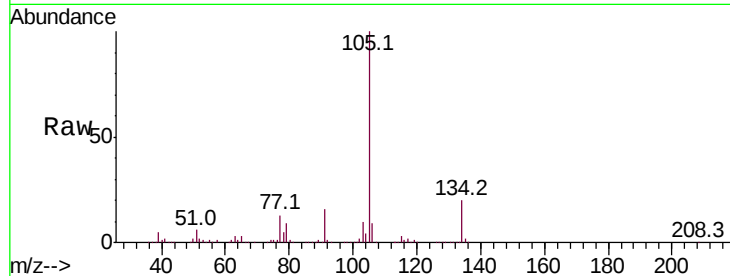
ICVVD090320

Tot Ion:105 Resp: 1021322

Ion Ratio Lower Upper

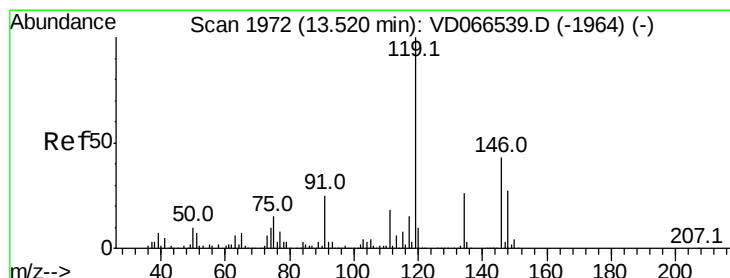
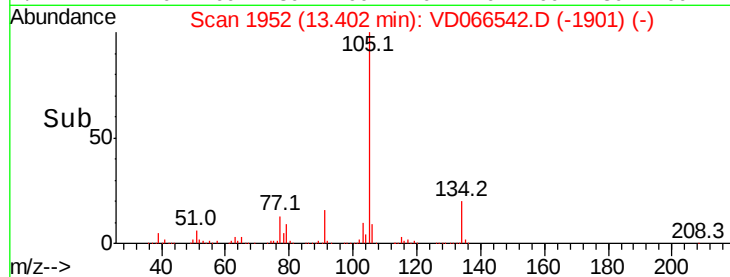
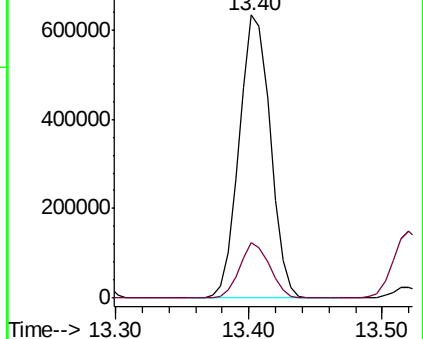
105 100

134 19.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.146 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

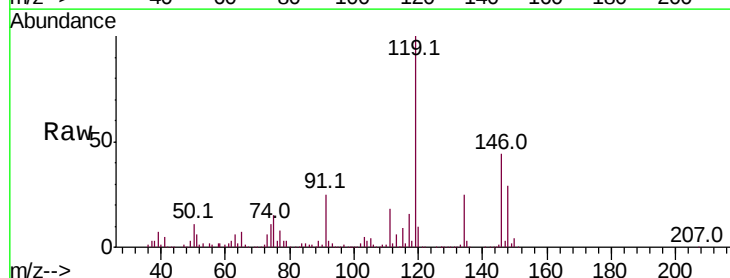
Tgt Ion:119 Resp: 914158

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.0

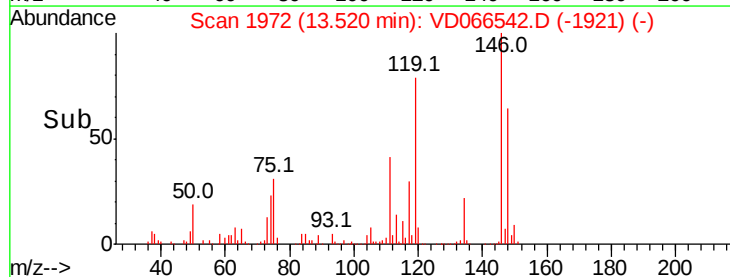
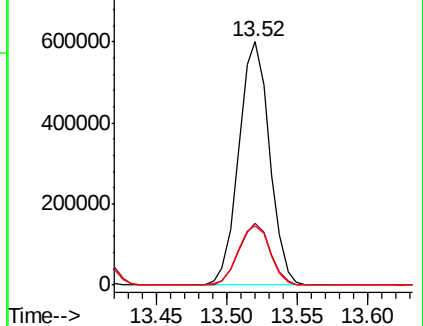
91 25.4 12.5 37.5

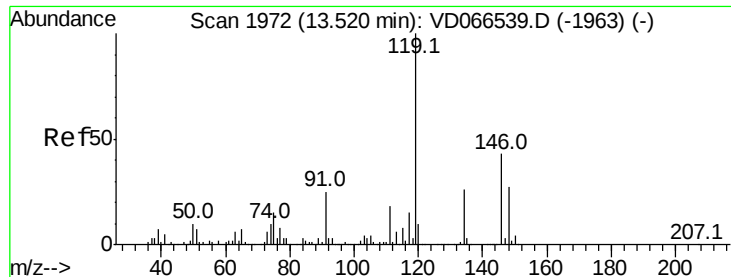


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.516 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

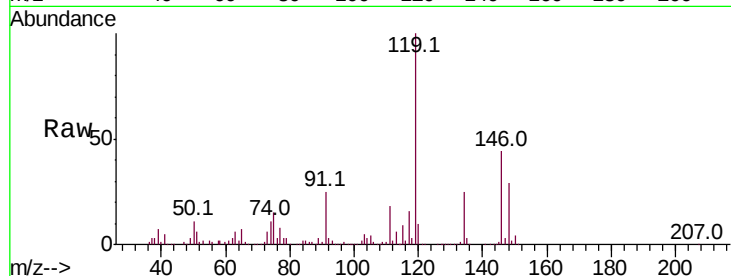
Tot Ion:146 Resp: 440295

Ion Ratio Lower Upper

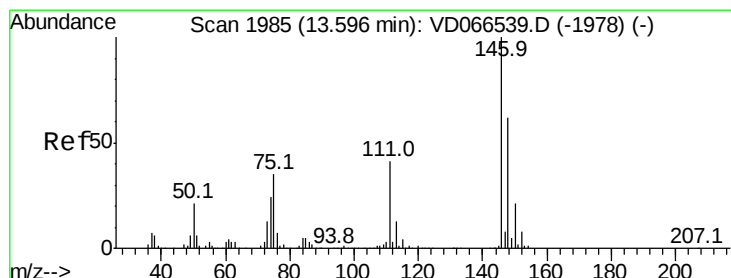
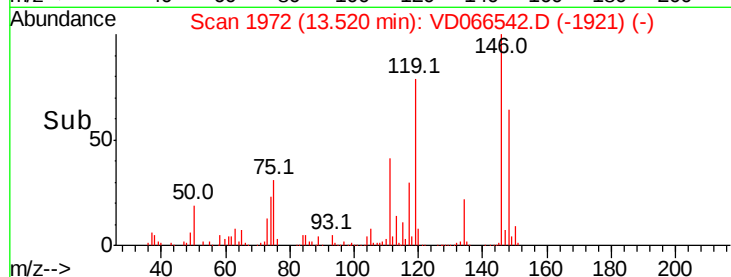
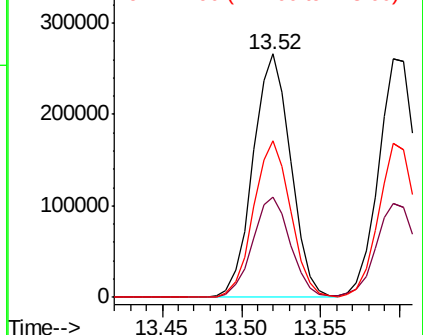
146 100

111 41.3 20.6 61.9

148 63.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.243 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

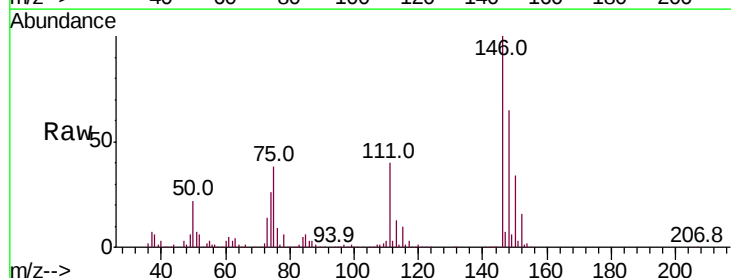
Tgt Ion:146 Resp: 431212

Ion Ratio Lower Upper

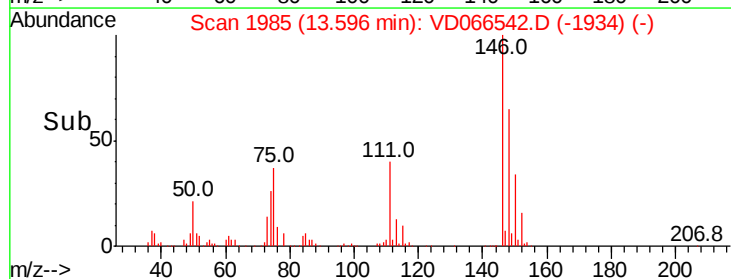
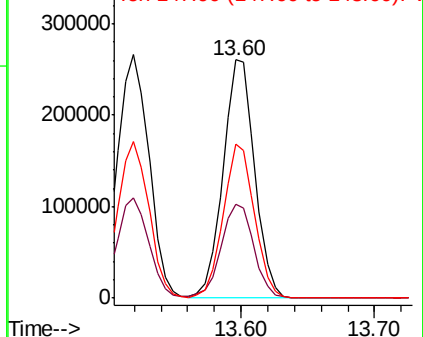
146 100

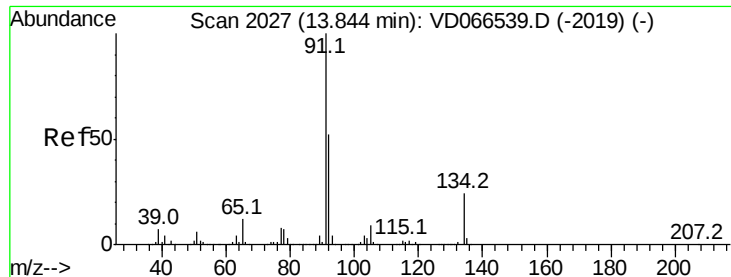
111 40.9 20.1 60.2

148 64.0 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

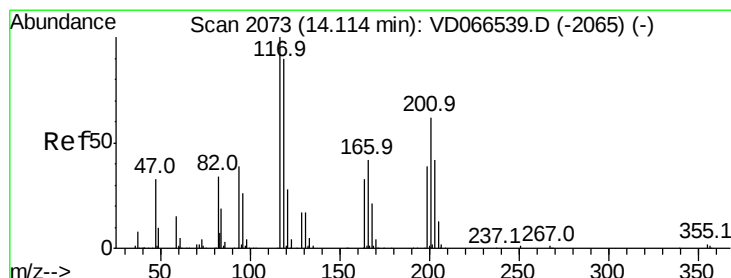
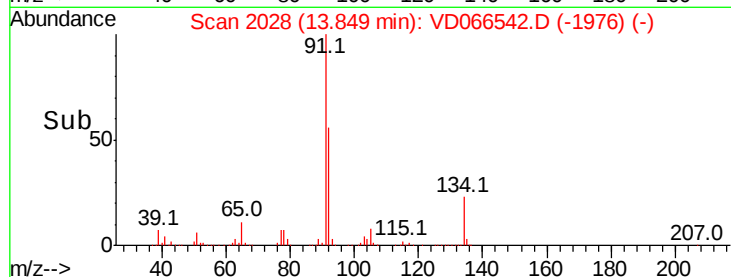
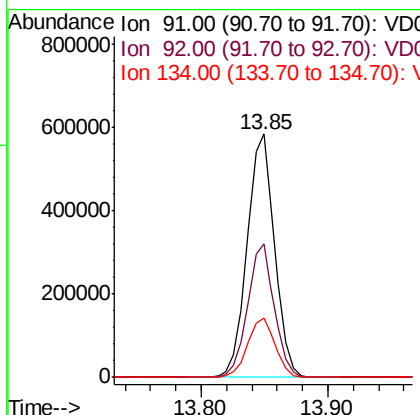
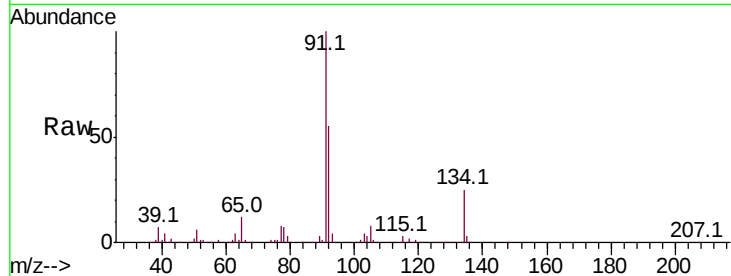




#89
n-Butylbenzene
Concen: 53.285 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

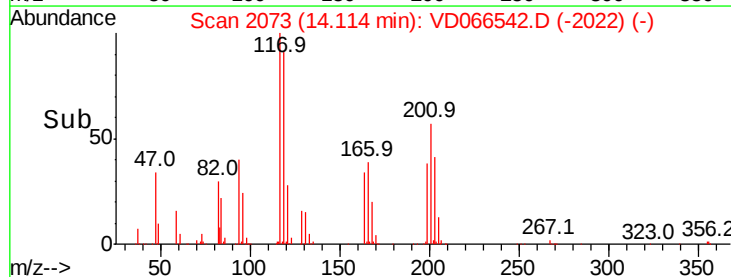
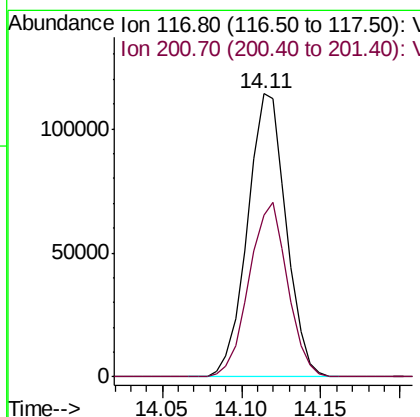
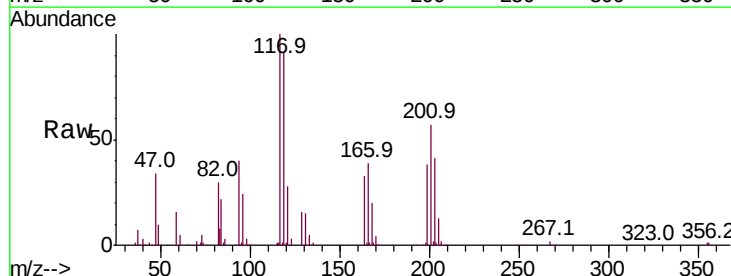
Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

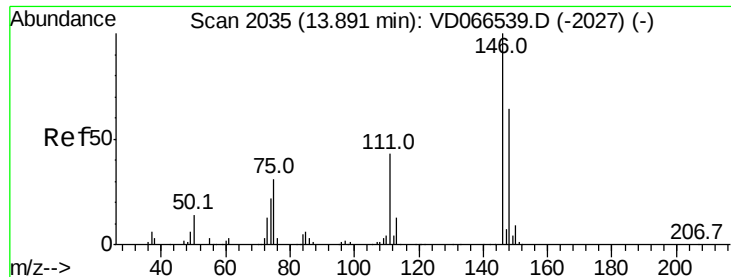
Tot Ion: 91 Resp: 876667
Ion Ratio Lower Upper
91 100
92 53.3 26.5 79.5
134 24.6 12.1 36.3



#90
Hexachloroethane
Concen: 53.012 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 117 Resp: 192849
Ion Ratio Lower Upper
117 100
201 61.5 31.9 95.5

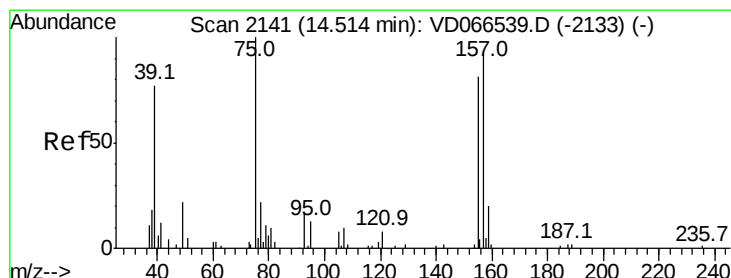
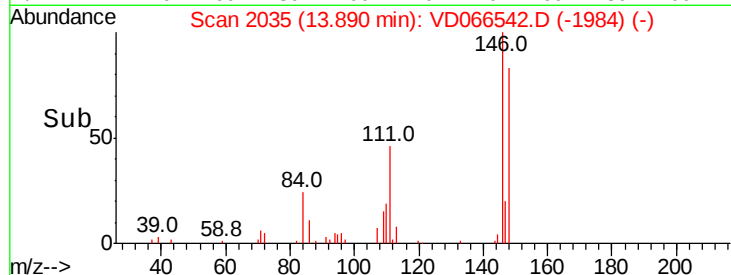
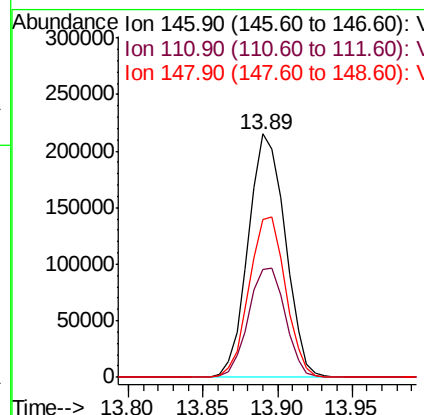
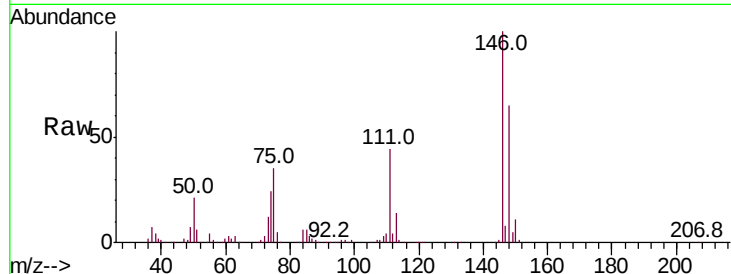




#91
 1,2-Dichlorobenzene
 Concen: 50.301 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

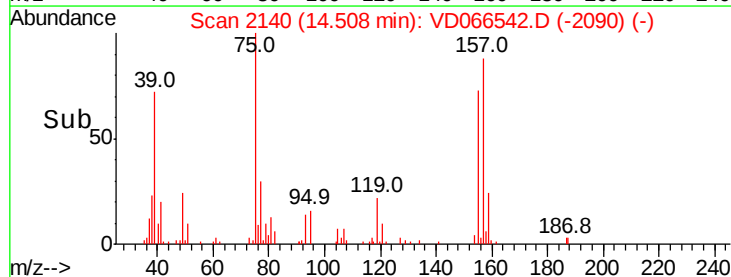
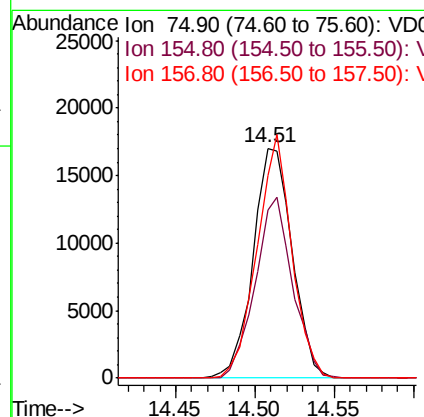
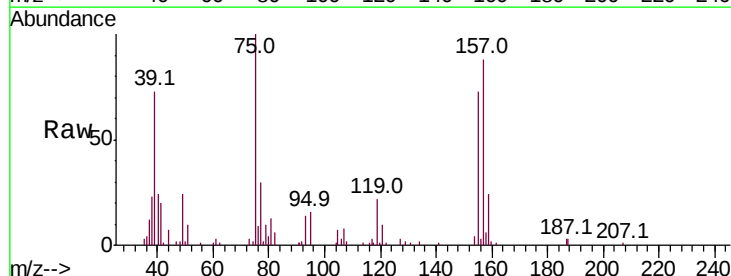
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

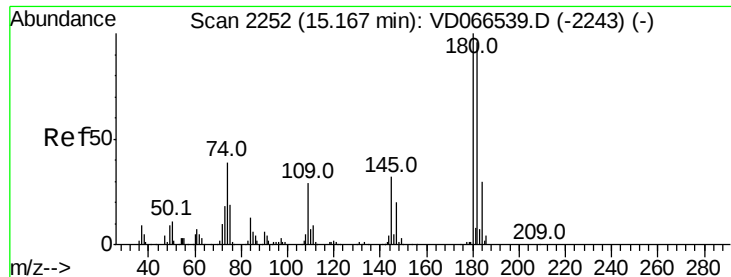
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.1	63.4
148	64.9	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.254 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.4	39.3	117.8
157	94.5	46.0	137.8





#93

1,2,4-Trichlorobenzene

Concen: 53.551 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

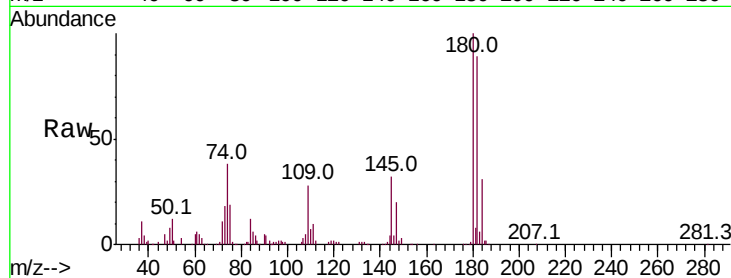
Tot Ion:180 Resp: 235517

Ion Ratio Lower Upper

180 100

182 95.0 48.4 145.0

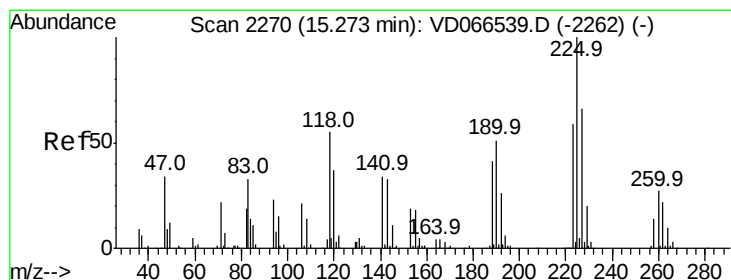
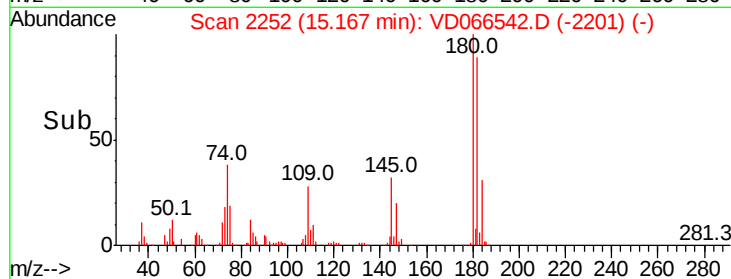
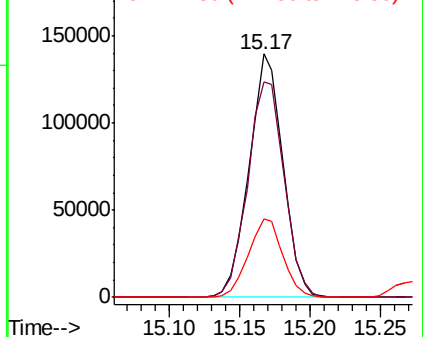
145 32.8 16.7 50.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 50.646 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

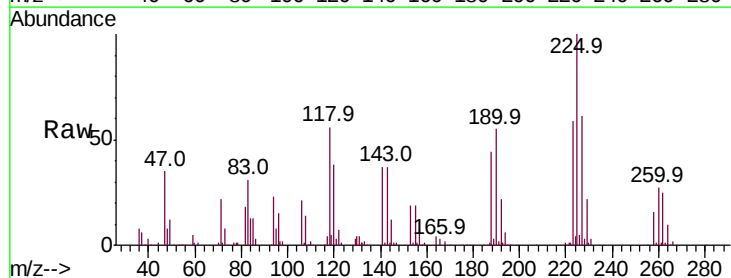
Tgt Ion:225 Resp: 133817

Ion Ratio Lower Upper

225 100

223 64.4 30.5 91.5

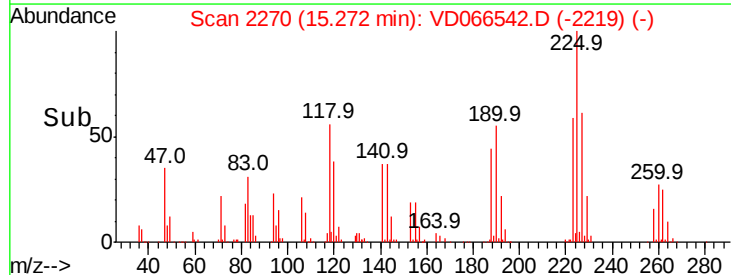
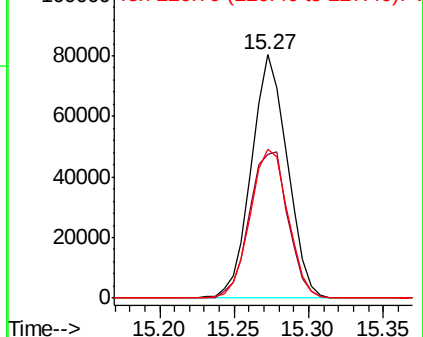
227 64.4 32.4 97.2

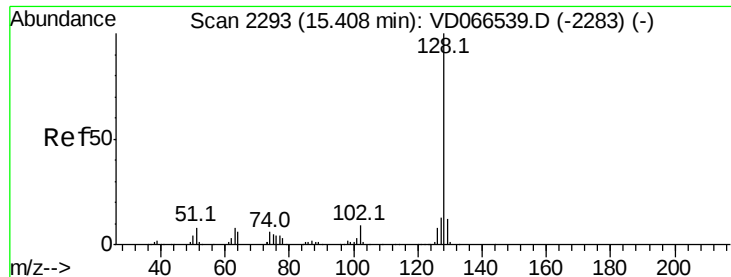


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

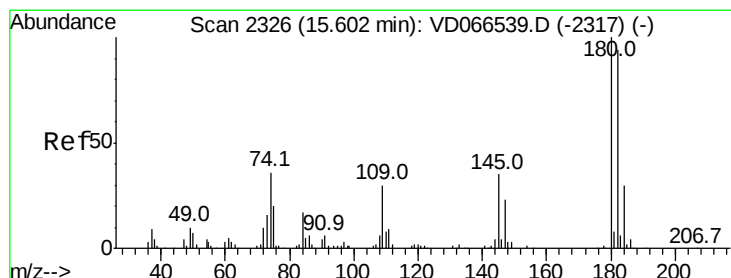
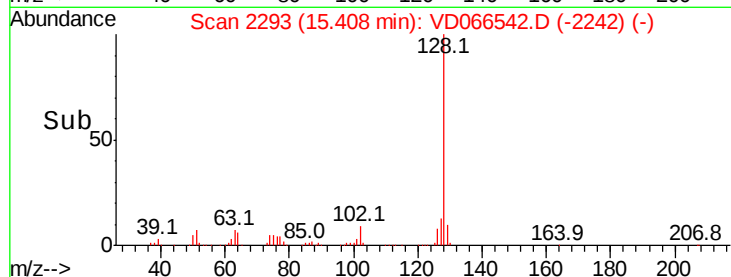
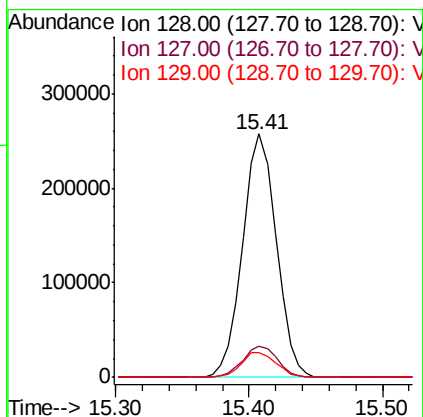
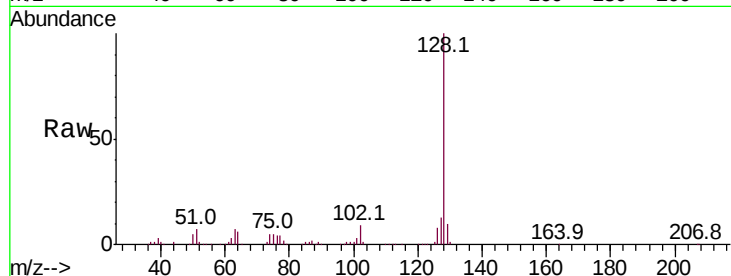




#95
Naphthalene
Concen: 58.605 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion:128 Resp: 450396
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.8 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 55.123 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion:180 Resp: 206687
Ion Ratio Lower Upper
180 100
182 93.7 47.9 143.6
145 34.6 17.3 51.7

