

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066644.D
 Acq On : 11 Sep 2020 13:17
 Operator : VA/SY
 Sample : VD0911SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 00:39:04 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	347044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	578999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	538709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224446	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
35) Dibromofluoromethane	7.91	113	205884	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
50) Toluene-d8	10.34	98	751649	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.63	95	254967	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72972	23.363	ug/l	86
3) Chloromethane	2.21	50	93217	21.239	ug/l	98
4) Vinyl Chloride	2.35	62	98980	20.334	ug/l	96
5) Bromomethane	2.76	94	65673	18.472	ug/l	89
6) Chloroethane	2.92	64	59183	19.142	ug/l	99
7) Trichlorofluoromethane	3.27	101	151776	21.106	ug/l	95
8) Diethyl Ether	3.71	74	37375	20.640	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	85087	21.863	ug/l	100
10) Methyl Iodide	4.30	142	71233	22.475	ug/l	99
11) Tert butyl alcohol	5.20	59	42023	140.028	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	74699	21.364	ug/l	95
13) Acrolein	3.91	56	14491	84.404	ug/l	89
14) Allyl chloride	4.71	41	121407	21.187	ug/l	97
15) Acrylonitrile	5.42	53	84861	109.093	ug/l	99
16) Acetone	4.16	43	91979	119.053	ug/l	97
17) Carbon Disulfide	4.41	76	246455	21.441	ug/l	97
18) Methyl Acetate	4.72	43	39581	21.492	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	168979	20.609	ug/l	95
20) Methylene Chloride	4.96	84	108079	21.957	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	89218	21.488	ug/l	97
22) Diisopropyl ether	6.36	45	259108	21.988	ug/l	97
23) Vinyl Acetate	6.30	43	712978	106.321	ug/l	97
24) 1,1-Dichloroethane	6.26	63	159223	21.486	ug/l	97
25) 2-Butanone	7.21	43	116975	112.789	ug/l	96
26) 2,2-Dichloropropane	7.20	77	149212	21.951	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	92942	20.816	ug/l	96
28) Bromochloromethane	7.54	49	59118	20.722	ug/l #	97
29) Tetrahydrofuran	7.56	42	66668	103.217	ug/l	98
30) Chloroform	7.71	83	167765	21.399	ug/l	95
31) Cyclohexane	7.98	56	145880	21.296	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	156965	21.295	ug/l	98
36) 1,1-Dichloropropene	8.11	75	131241	21.781	ug/l	99
37) Ethyl Acetate	7.28	43	48875	20.370	ug/l	96
38) Carbon Tetrachloride	8.10	117	140472	22.056	ug/l	93

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 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)
39) Methylcyclohexane	9.35	83	142601	21.194	ug/l	98
40) Benzene	8.34	78	353562	21.424	ug/l	99
41) Methacrylonitrile	7.52	41	28413	24.464	ug/l	95
42) 1,2-Dichloroethane	8.42	62	113017	21.137	ug/l	98
43) Isopropyl Acetate	8.45	43	95395	20.746	ug/l	99
44) Trichloroethene	9.10	130	95823	22.136	ug/l	94
45) 1,2-Dichloropropane	9.38	63	87822	21.161	ug/l	89
46) Dibromomethane	9.47	93	47312	20.663	ug/l	97
47) Bromodichloromethane	9.66	83	133361	21.528	ug/l	99
48) Methyl methacrylate	9.45	41	53042	22.813	ug/l	92
49) 1,4-Dioxane	9.46	88	10636	423.413	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	239678	103.355	ug/l	100
52) Toluene	10.40	92	222515	21.301	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	113608	20.775	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	137858	20.992	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	63877	21.698	ug/l	98
56) Ethyl methacrylate	10.66	69	72697	21.208	ug/l	99
57) 1,3-Dichloropropane	10.94	76	107929	20.930	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	187924	119.861	ug/l	97
59) 2-Hexanone	10.98	43	166704	106.898	ug/l	99
60) Dibromochloromethane	11.14	129	85814	22.043	ug/l	98
61) 1,2-Dibromoethane	11.24	107	60163	21.006	ug/l	98
64) Tetrachloroethene	10.87	164	74748	20.608	ug/l	97
65) Chlorobenzene	11.67	112	225101	20.246	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	87549	20.632	ug/l	99
67) Ethyl Benzene	11.74	91	420975	20.620	ug/l	97
68) m/p-Xylenes	11.85	106	318446	42.009	ug/l	97
69) o-Xylene	12.18	106	139202	20.490	ug/l	98
70) Styrene	12.19	104	249916	21.160	ug/l	99
71) Bromoform	12.36	173	43767	20.466	ug/l #	99
73) Isopropylbenzene	12.48	105	389485	20.524	ug/l	99
74) N-amyl acetate	12.28	43	84888	19.751	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	66991	19.982	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	92384	37.478	ug/l #	100
77) Bromobenzene	12.76	156	86639	20.479	ug/l	99
78) n-propylbenzene	12.82	91	487526	21.193	ug/l	99
79) 2-Chlorotoluene	12.91	91	268607	20.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	336255	21.053	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21461	20.326	ug/l	93
82) 4-Chlorotoluene	13.01	91	291009	21.087	ug/l	99
83) tert-Butylbenzene	13.23	119	268688	20.600	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	336299	21.148	ug/l	99
85) sec-Butylbenzene	13.40	105	395086	21.025	ug/l	99
86) p-Isopropyltoluene	13.52	119	359506	21.255	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	175897	20.942	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	175634	20.834	ug/l	99
89) n-Butylbenzene	13.85	91	341535	20.722	ug/l	98
90) Hexachloroethane	14.11	117	74698	20.497	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	147753	20.126	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11225	19.710	ug/l	94

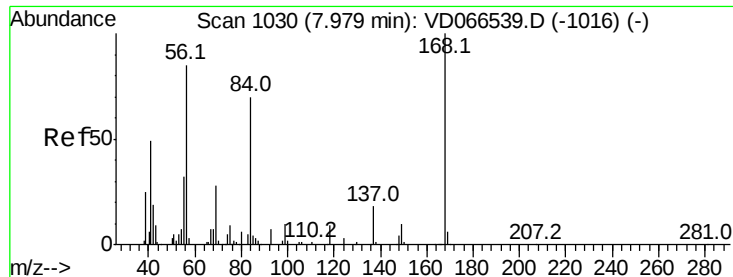
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87882	19.946	ug/l	100
94) Hexachlorobutadiene	15.27	225	54222	20.485	ug/l	98
95) Naphthalene	15.41	128	150450	19.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75670	20.145	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

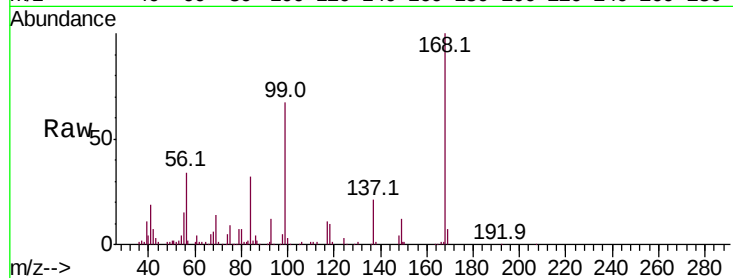
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 347044

Ion Ratio Lower Upper

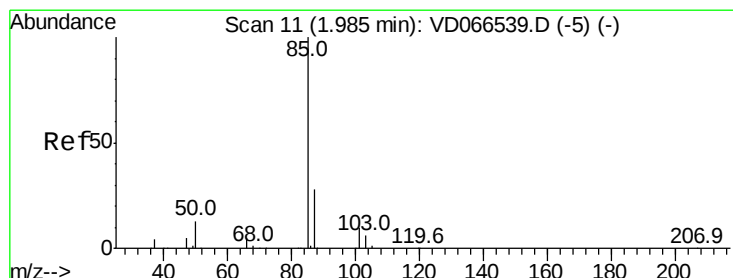
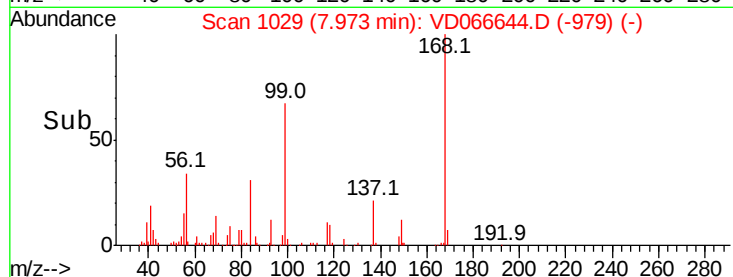
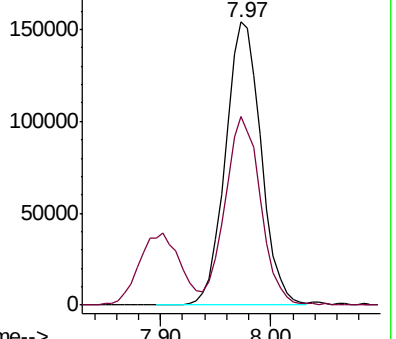
168 100

99 66.1 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.363 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066644.D

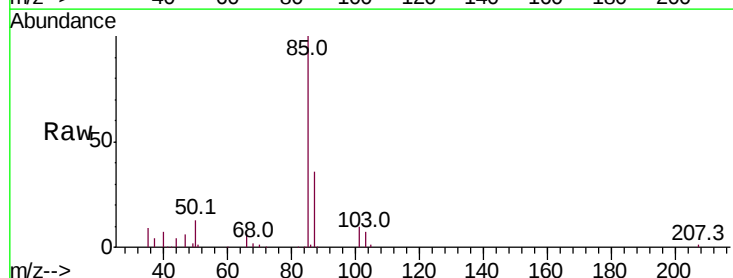
Acq: 11 Sep 2020 13:17

Tgt Ion: 85 Resp: 72972

Ion Ratio Lower Upper

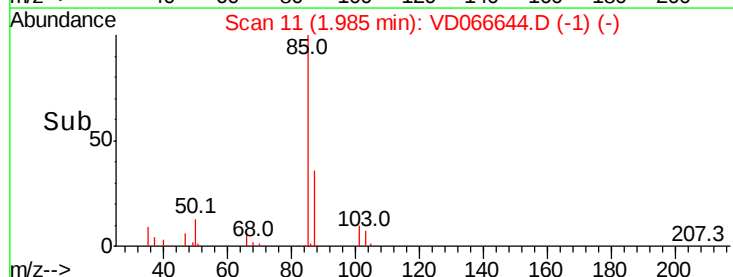
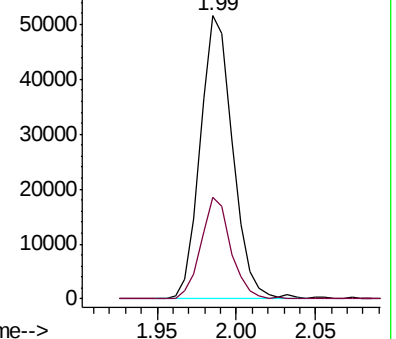
85 100

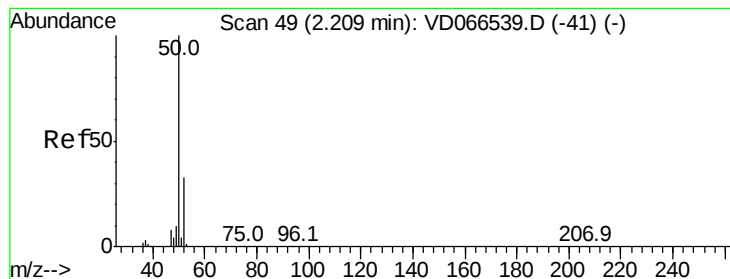
87 35.9 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.239 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

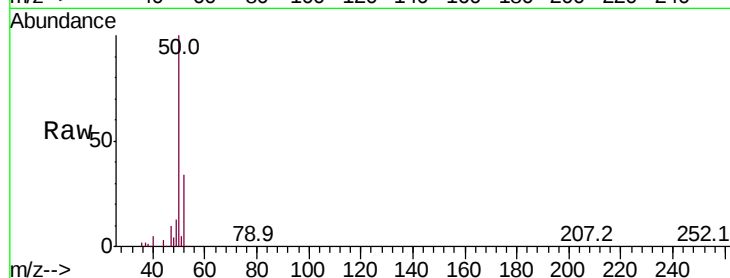
ClientSampleId :

Tot Ion: 50 Resp: 93217

Ion Ratio Lower Upper

50 100

52 33.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

60000

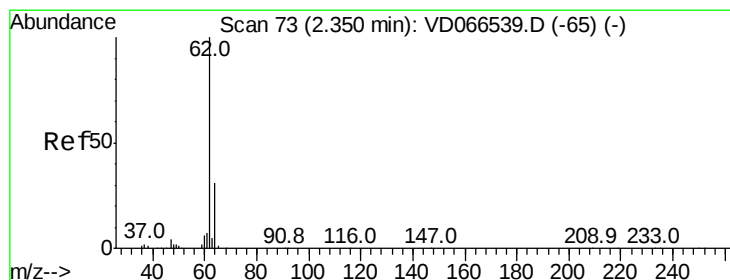
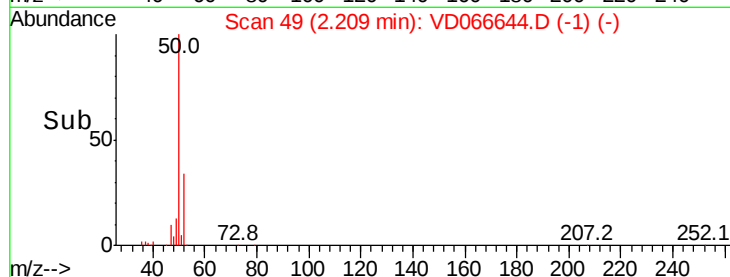
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 20.334 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066644.D

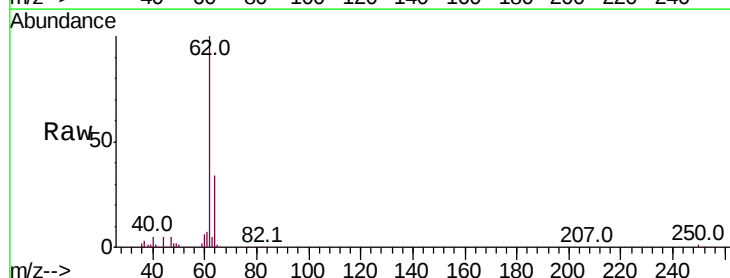
Acq: 11 Sep 2020 13:17

Tgt Ion: 62 Resp: 98980

Ion Ratio Lower Upper

62 100

64 34.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

60000

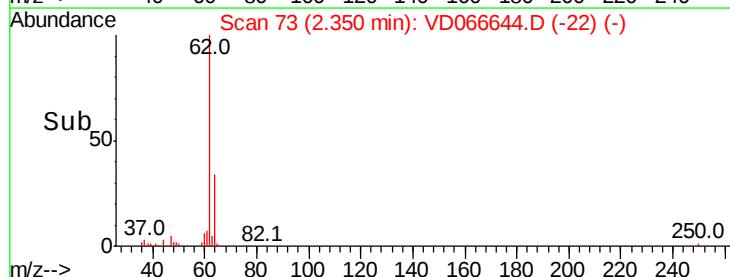
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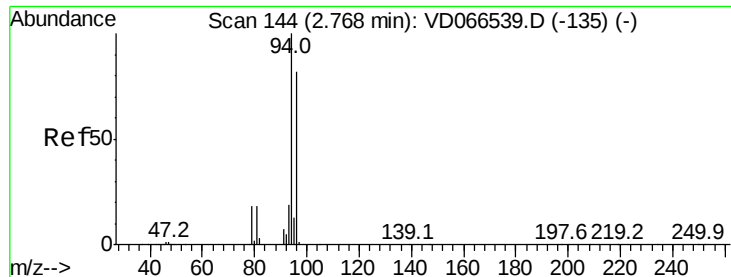
20000

0

Time-->

2.30 2.40





#5

Bromomethane

Concen: 18.472 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

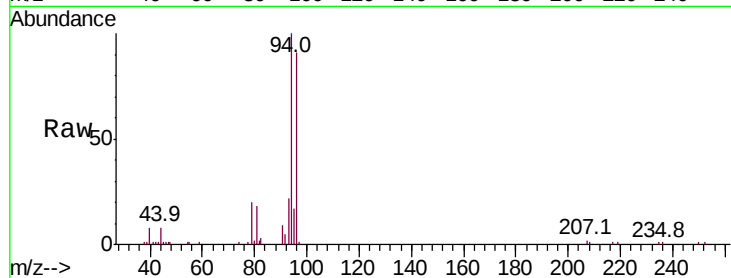
ClientSampleId :

Tot Ion: 94 Resp: 65673

Ion Ratio Lower Upper

94 100

96 91.2 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

20000

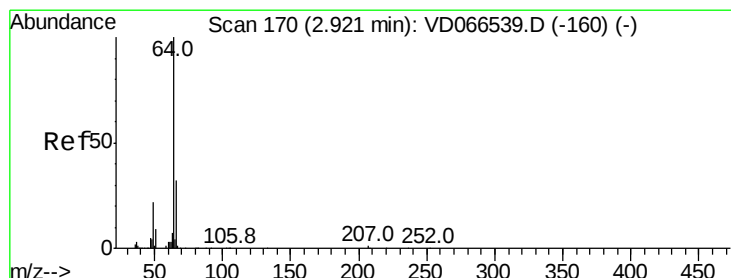
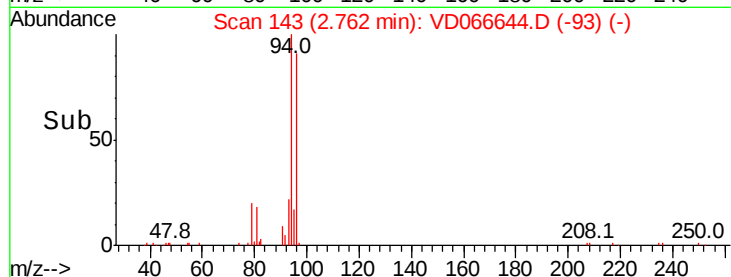
10000

0

Time-->

2.70

2.80



#6

Chloroethane

Concen: 19.142 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066644.D

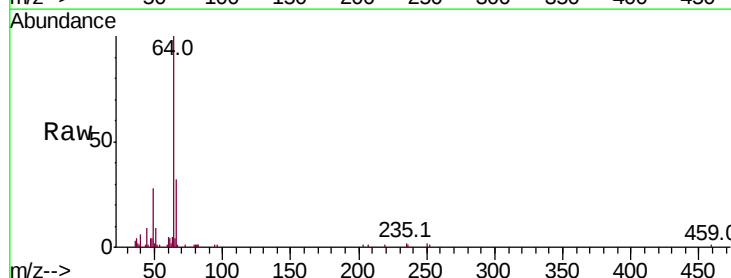
Acq: 11 Sep 2020 13:17

Tgt Ion: 64 Resp: 59183

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

25000

20000

15000

10000

5000

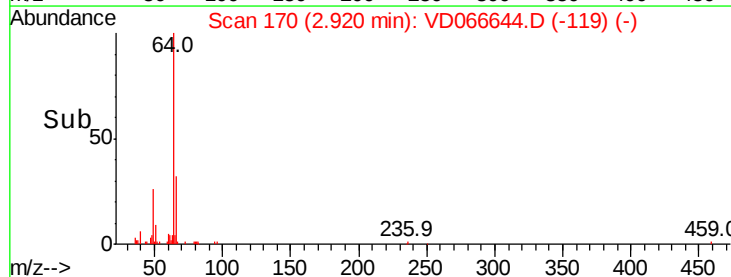
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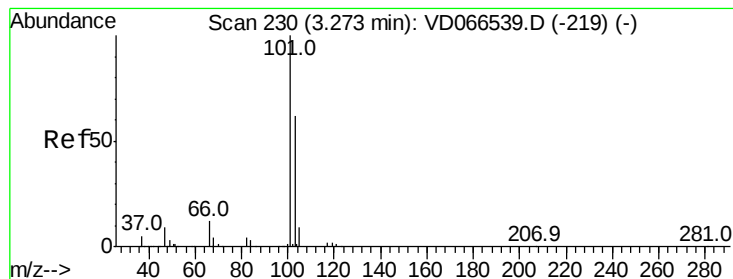
Time-->

2.80

2.90

3.00



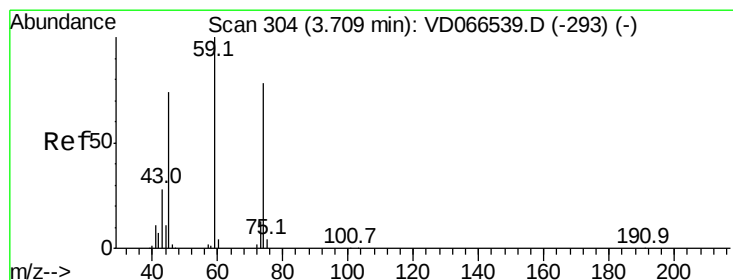
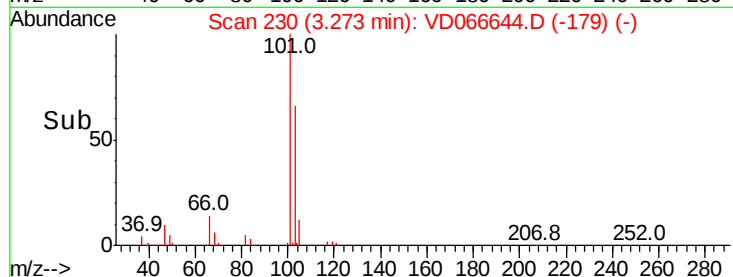
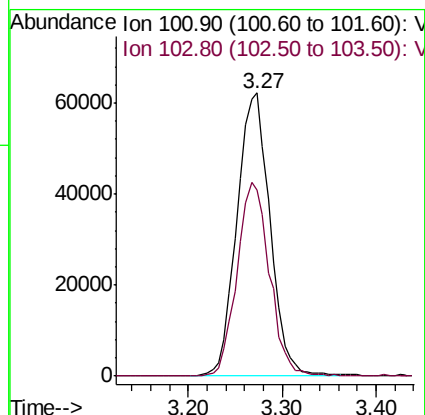
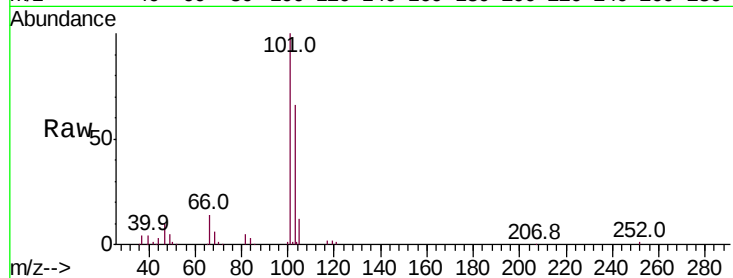


#7

Trichlorofluoromethane
 Concen: 21.106 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :

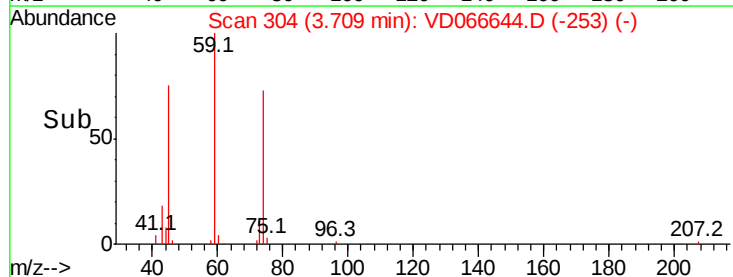
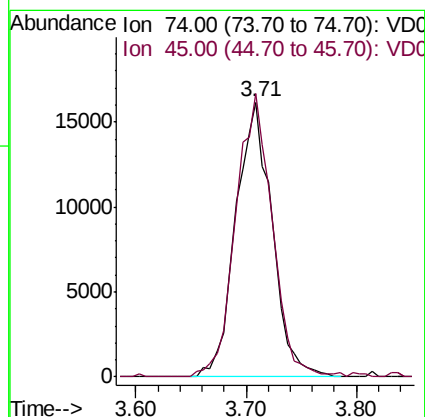
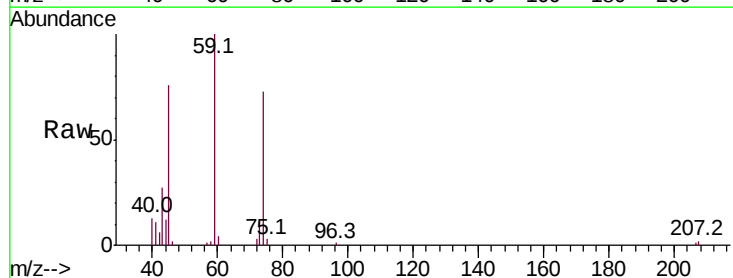
Tot Ion:101 Resp: 151776
 Ion Ratio Lower Upper
 101 100
 103 65.9 49.7 74.5

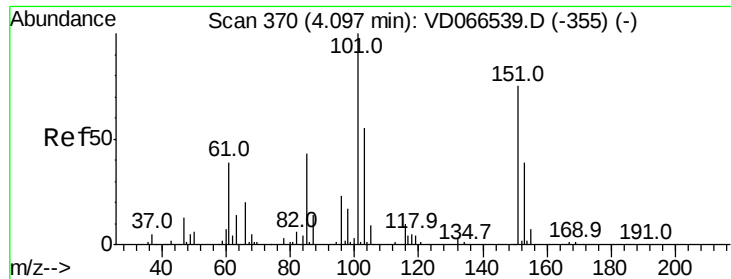


#8

Diethyl Ether
 Concen: 20.640 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Tgt Ion: 74 Resp: 37375
 Ion Ratio Lower Upper
 74 100
 45 103.5 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.863 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

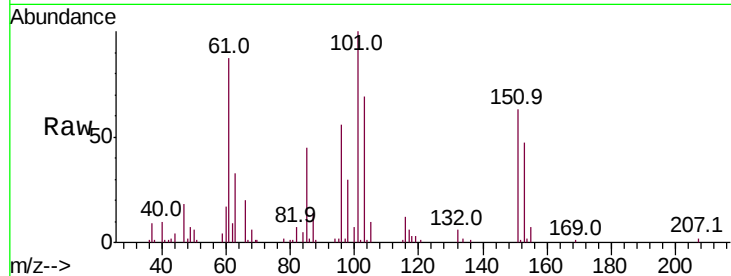
Tot Ion:101 Resp: 85087

Ion Ratio Lower Upper

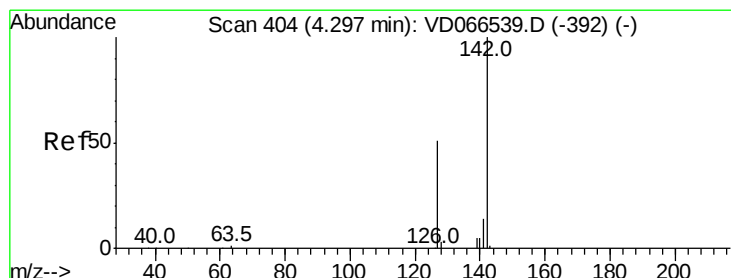
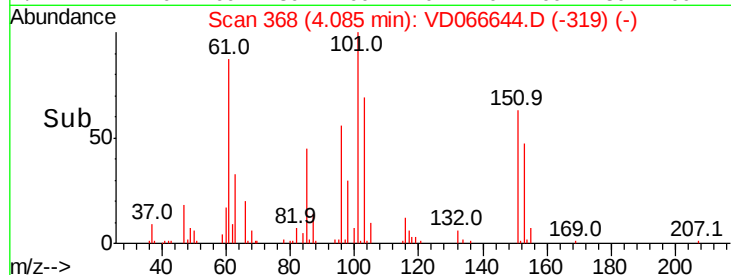
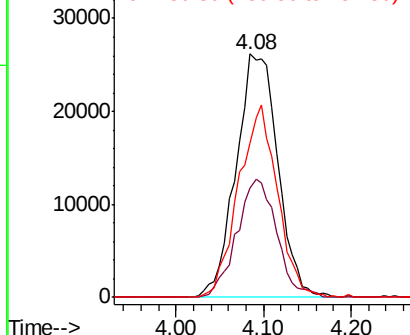
101 100

85 46.2 37.0 55.6

151 73.7 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: 22.475 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

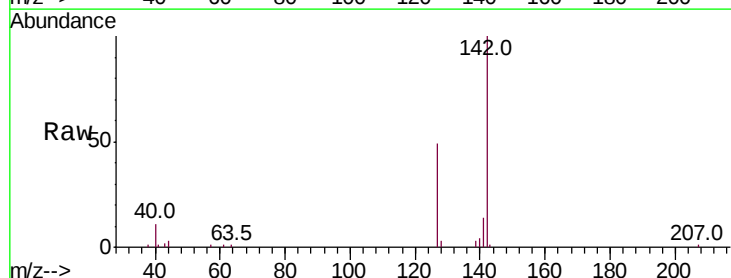
Tgt Ion:142 Resp: 71233

Ion Ratio Lower Upper

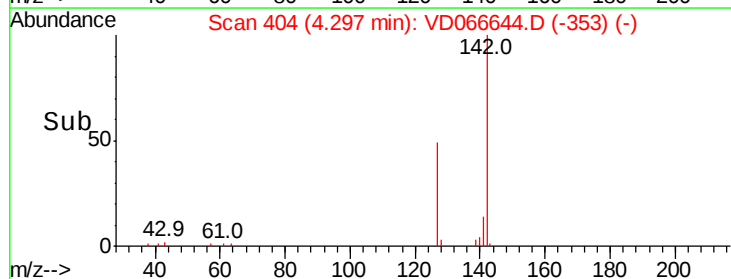
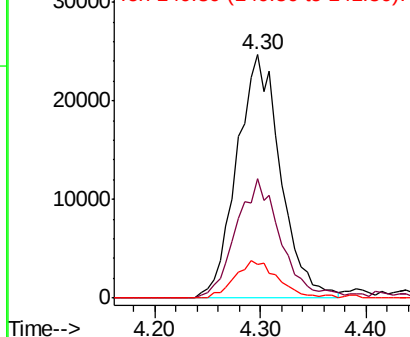
142 100

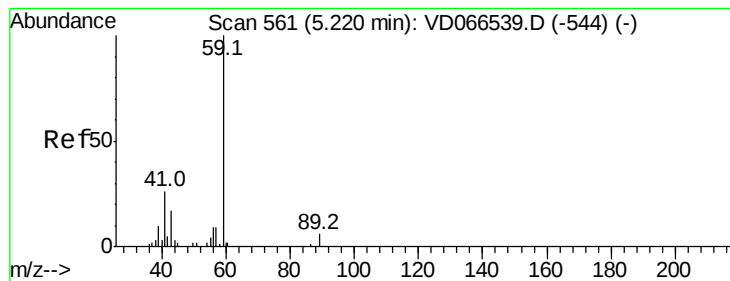
127 49.6 40.6 61.0

141 15.3 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



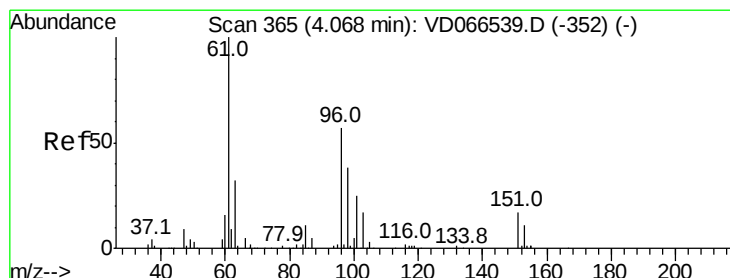
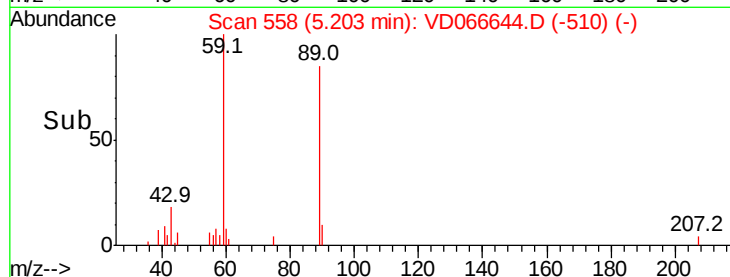
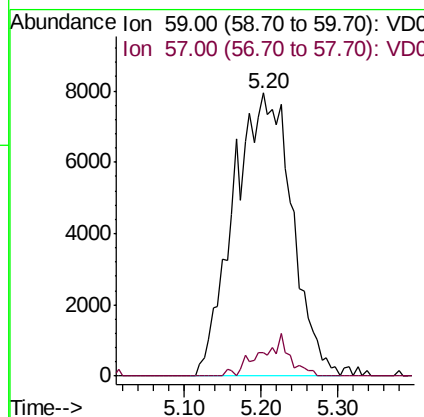
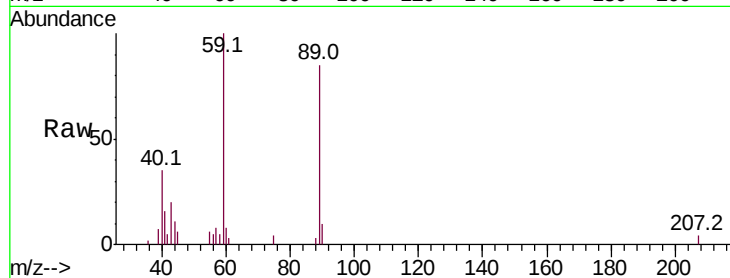


#11

Tert butyl alcohol
Concen: 140.028 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :

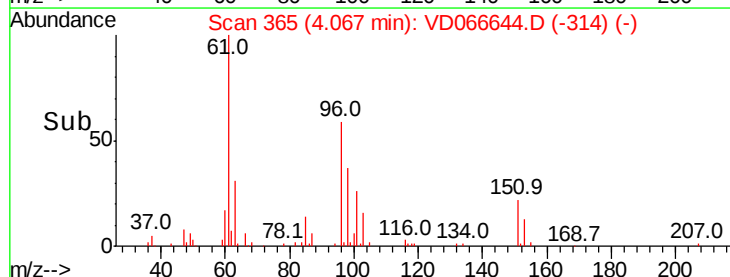
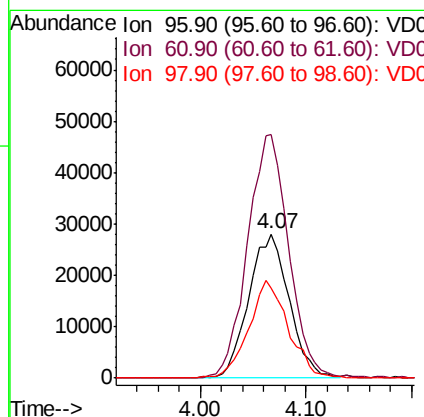
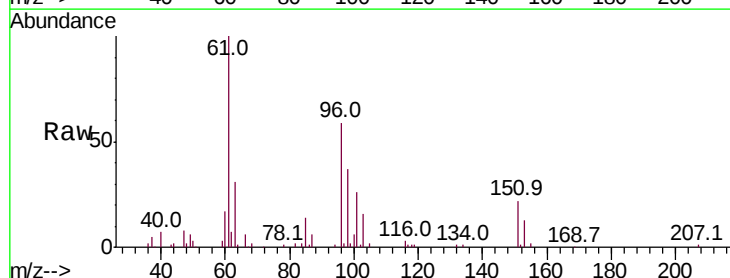
Tot Ion: 59 Resp: 42023
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

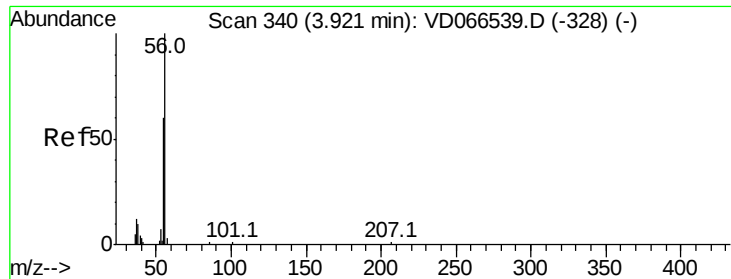


#12

1,1-Dichloroethene
Concen: 21.364 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion: 96 Resp: 74699
Ion Ratio Lower Upper
96 100
61 169.3 140.9 211.3
98 62.2 53.2 79.8





#13

Acrolein

Concen: 84.404 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

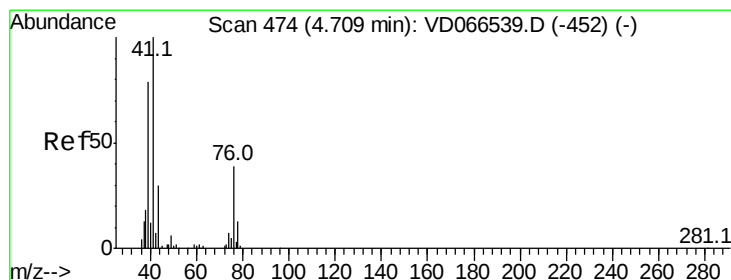
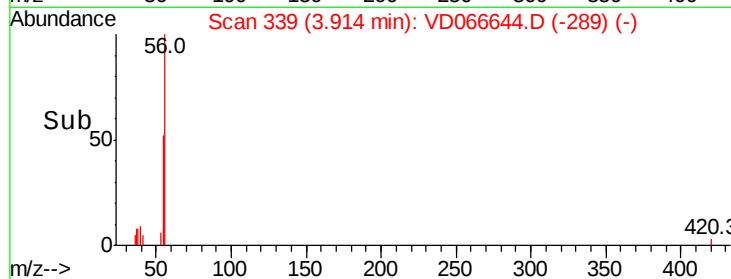
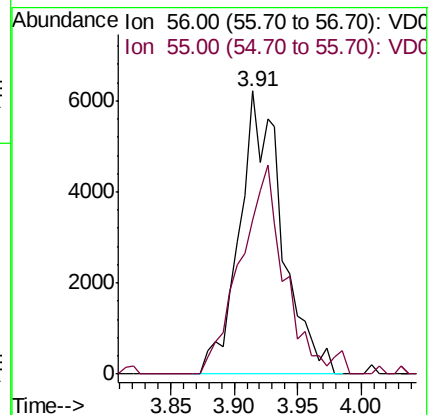
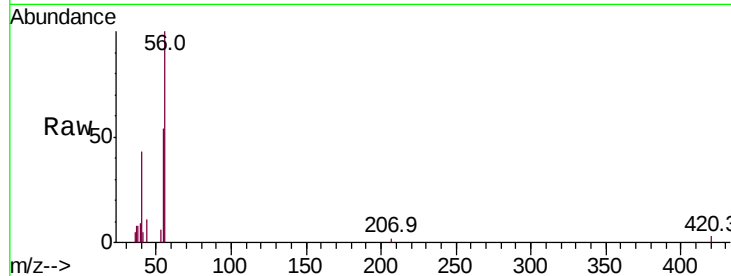
ClientSampleId :

Tot Ion: 56 Resp: 14491

Ion Ratio Lower Upper

56 100

55 75.5 53.6 80.4



#14

Allyl chloride

Concen: 21.187 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

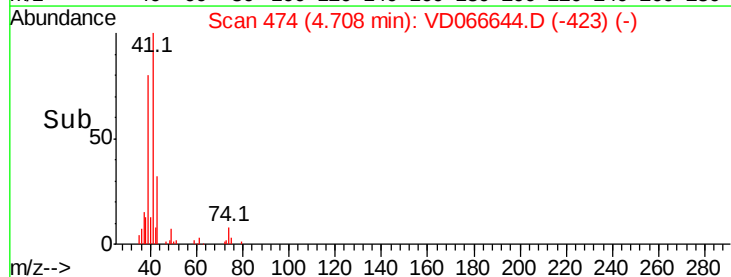
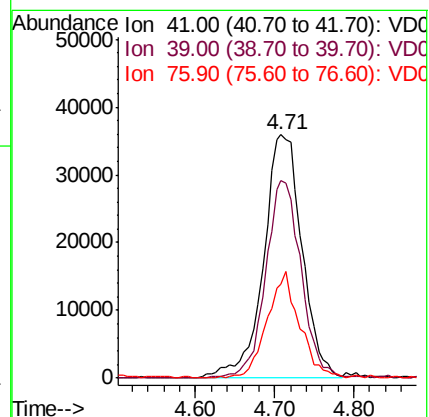
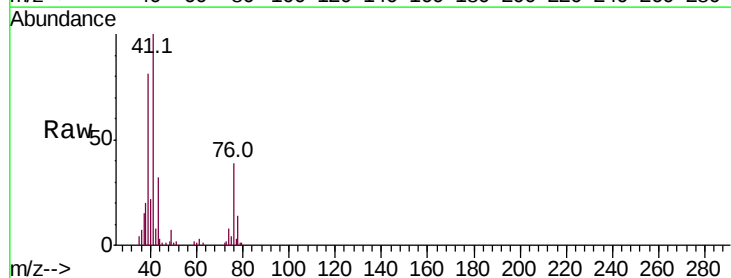
Tgt Ion: 41 Resp: 121407

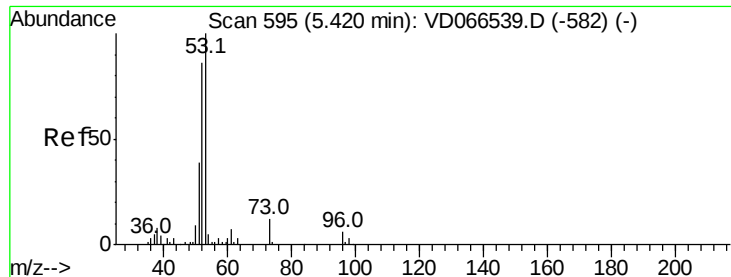
Ion Ratio Lower Upper

41 100

39 74.6 61.9 92.9

76 37.0 29.0 43.6





#15

Acrylonitrile

Concen: 109.093 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

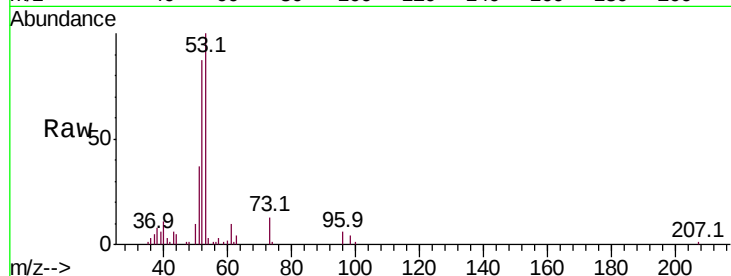
Tot Ion: 53 Resp: 84861

Ion Ratio Lower Upper

53 100

52 82.9 65.4 98.2

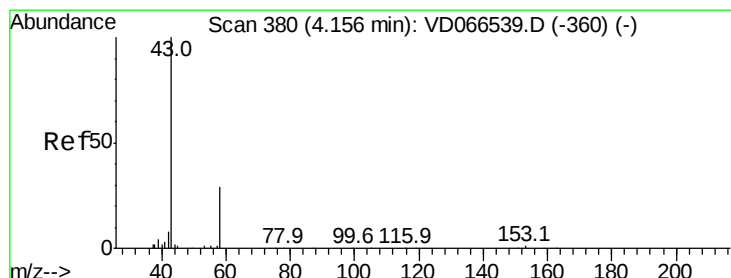
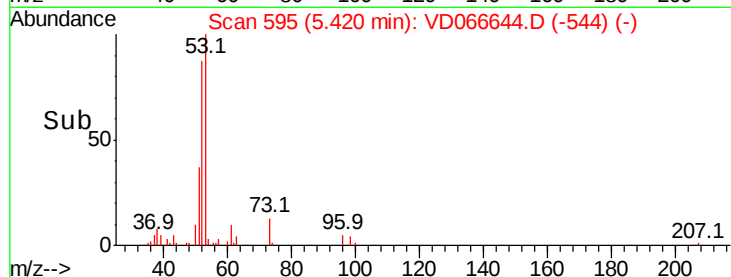
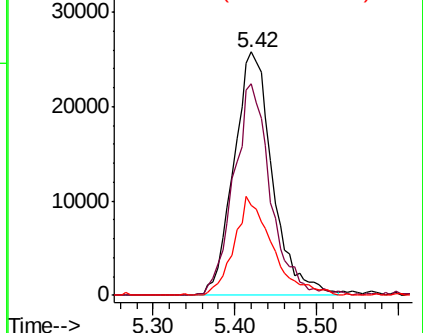
51 39.8 31.2 46.8



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: 119.053 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066644.D

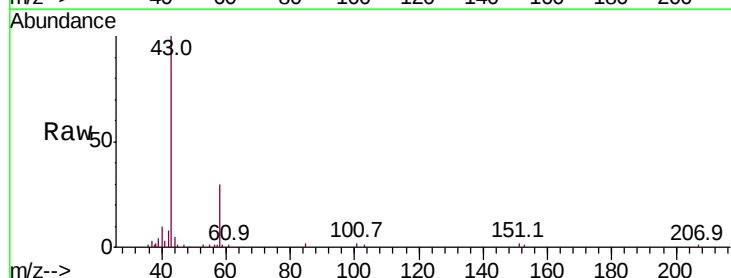
Acq: 11 Sep 2020 13:17

Tgt Ion: 43 Resp: 91979

Ion Ratio Lower Upper

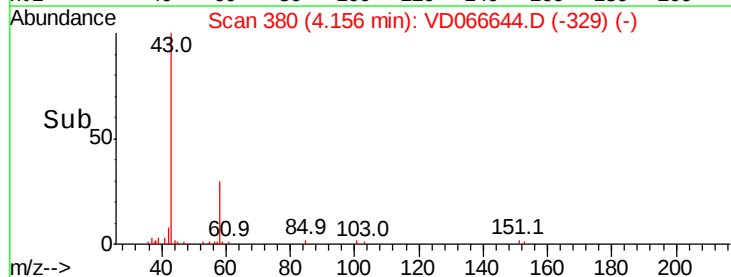
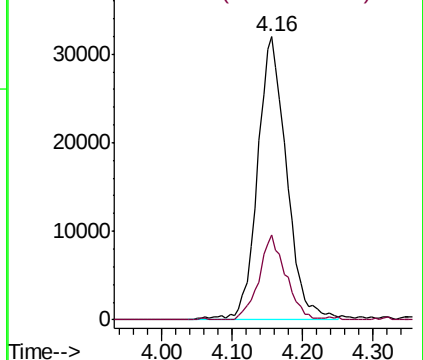
43 100

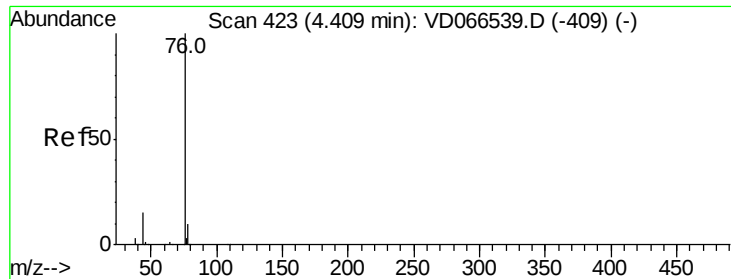
58 30.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 21.441 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

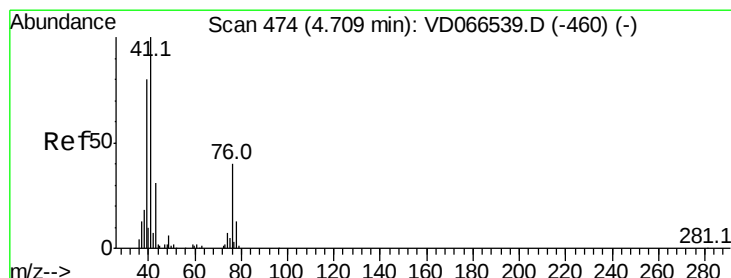
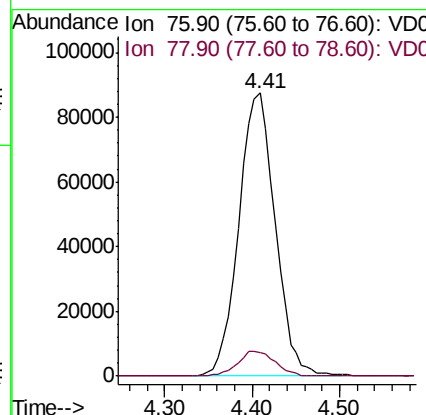
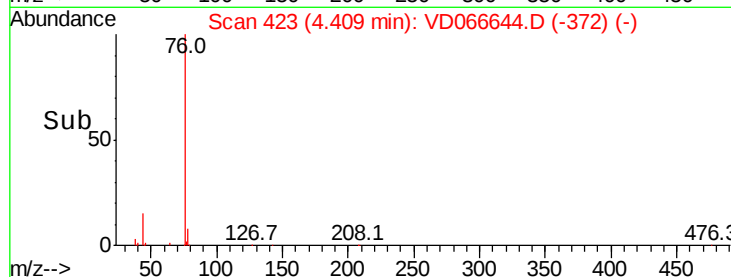
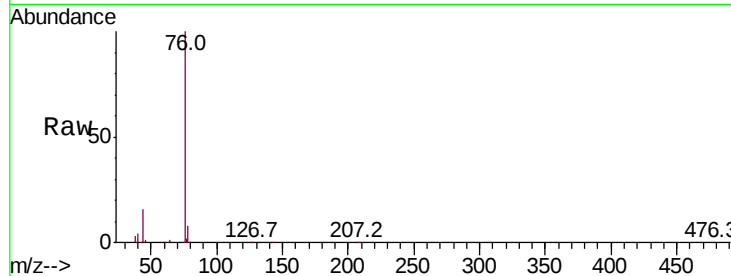
ClientSampleId :

Tot Ion: 76 Resp: 246455

Ion Ratio Lower Upper

76 100

78 8.4 7.6 11.4



#18

Methyl Acetate

Concen: 21.492 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066644.D

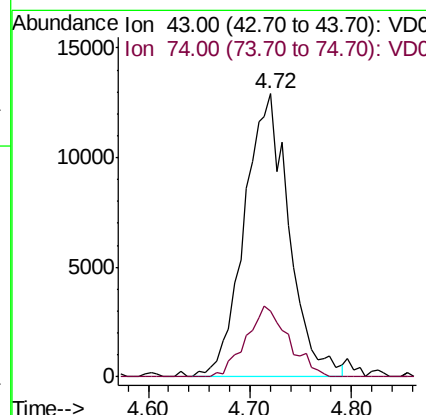
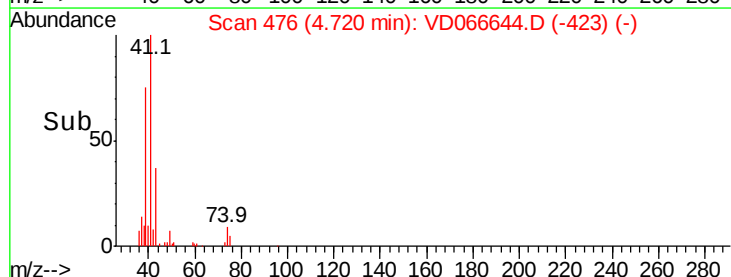
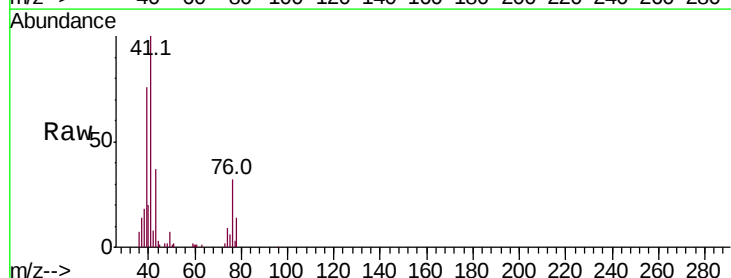
Acq: 11 Sep 2020 13:17

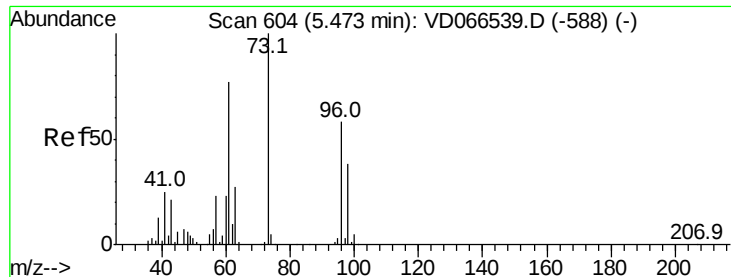
Tgt Ion: 43 Resp: 39581

Ion Ratio Lower Upper

43 100

74 23.8 18.0 27.0

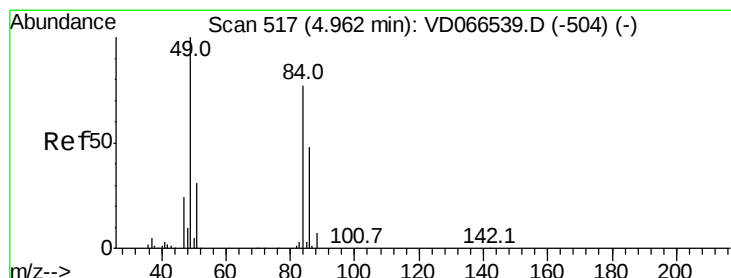
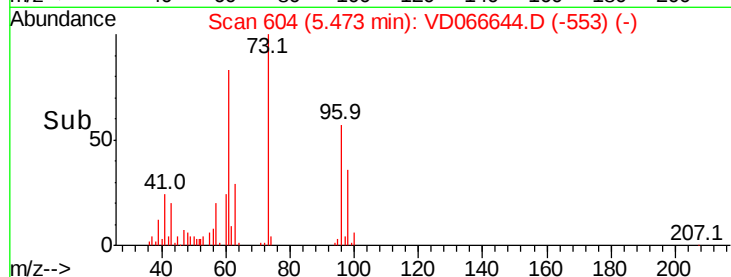
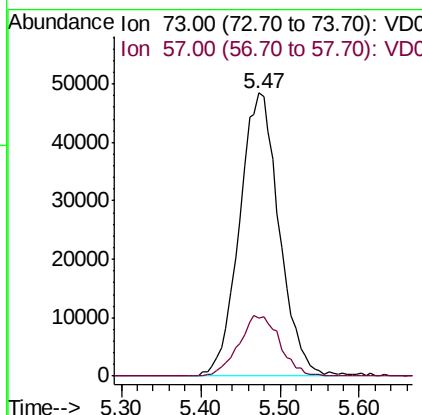
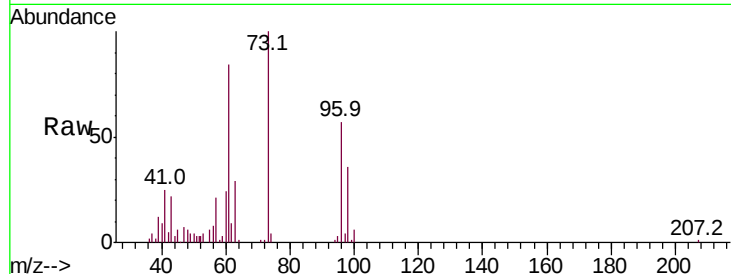




#19
Methvl tert-butvl Ether
Concen: 20.609 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

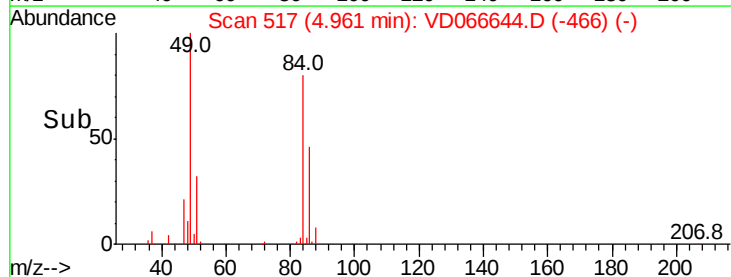
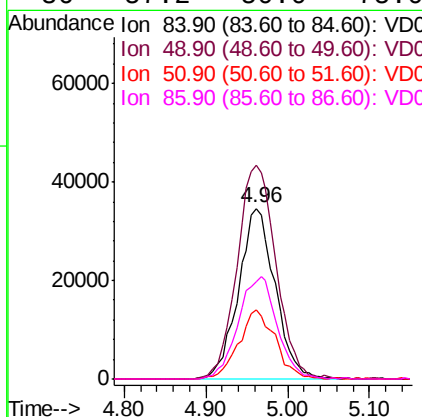
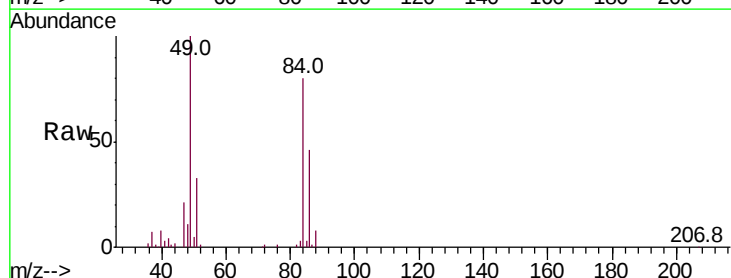
Instrument :
MSVOA_D
ClientSampleId :

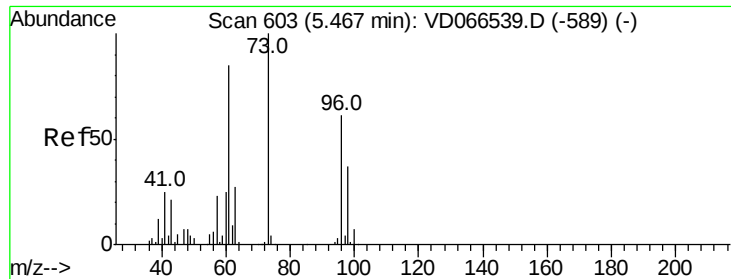
Tot Ion: 73 Resp: 168979
Ion Ratio Lower Upper
73 100
57 20.6 18.3 27.5



#20
Methylene Chloride
Concen: 21.957 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion: 84 Resp: 108079
Ion Ratio Lower Upper
84 100
49 125.2 104.3 156.5
51 40.8 32.2 48.4
86 57.2 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 21.488 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

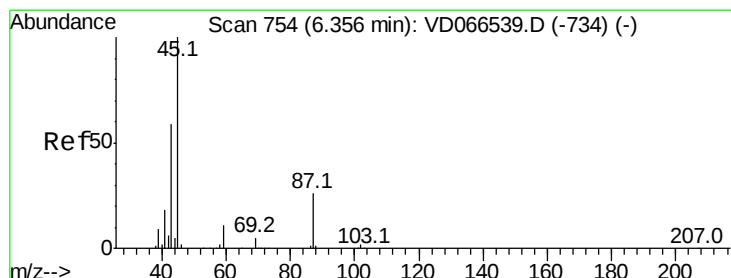
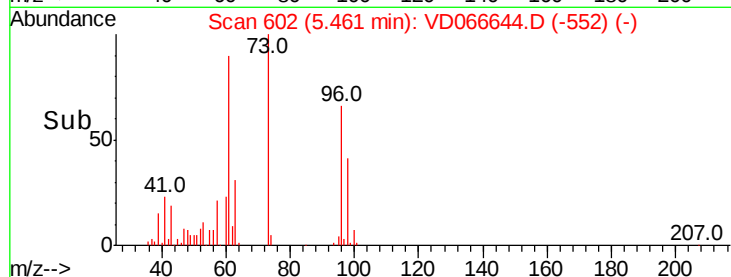
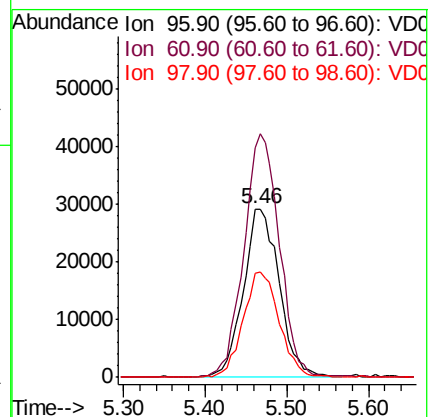
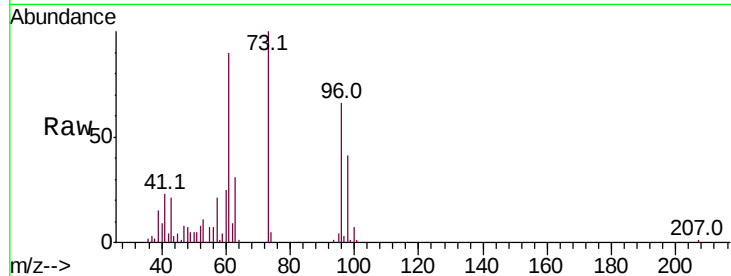
Tot Ion: 96 Resp: 89218

Ion Ratio Lower Upper

96 100

61 136.4 112.1 168.1

98 62.1 48.6 72.8



#22

Diisopropyl ether

Concen: 21.988 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Tgt Ion: 45 Resp: 259108

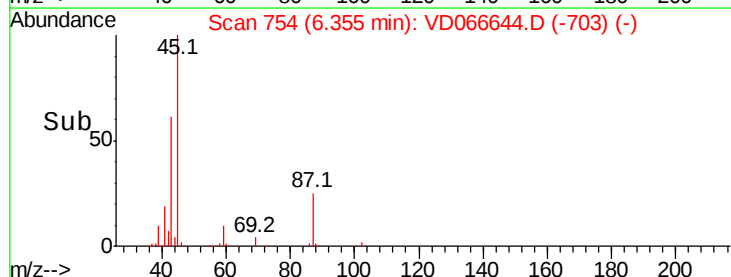
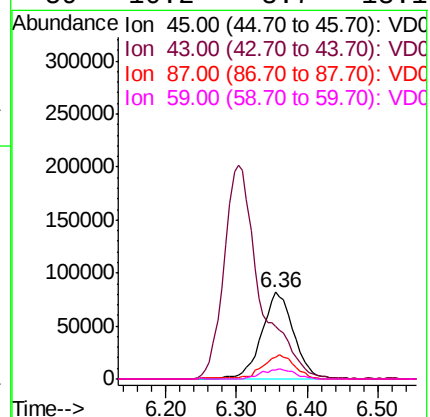
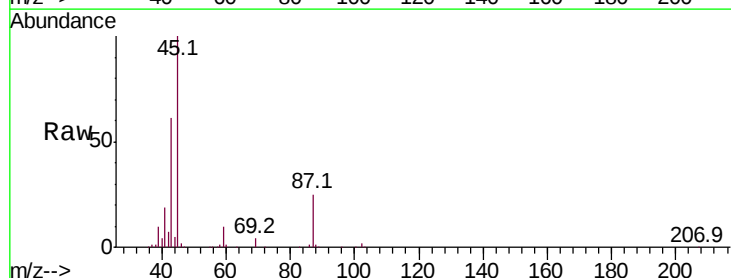
Ion Ratio Lower Upper

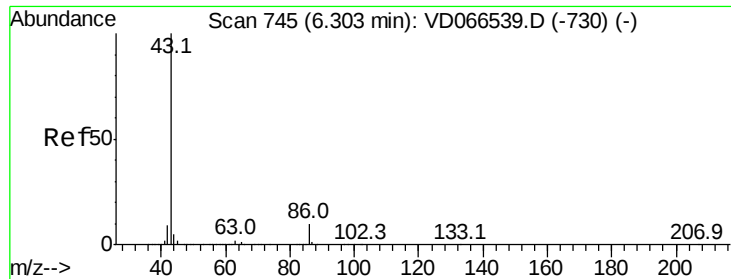
45 100

43 60.9 47.0 70.4

87 24.6 21.3 31.9

59 10.2 8.7 13.1

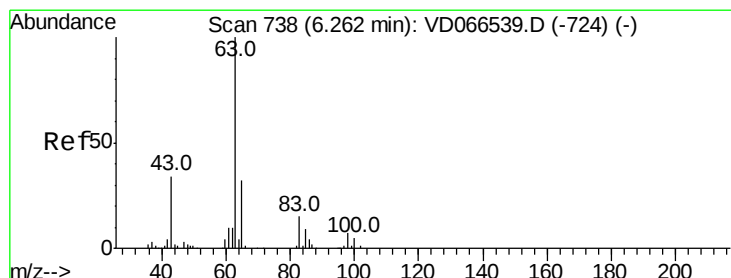
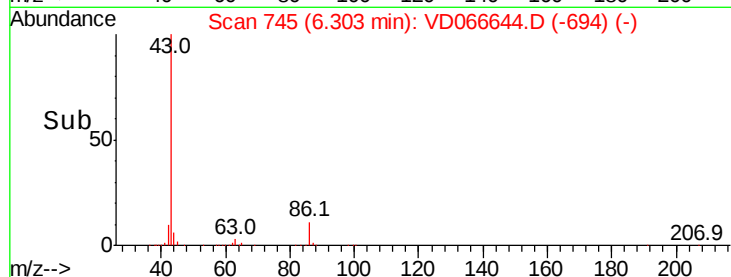
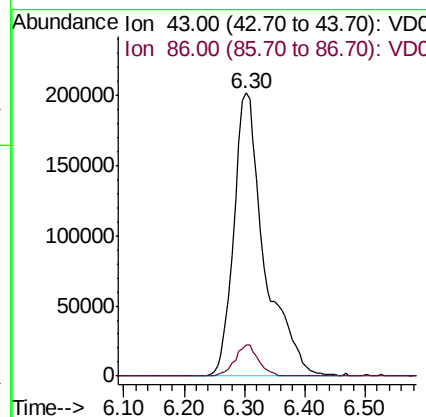
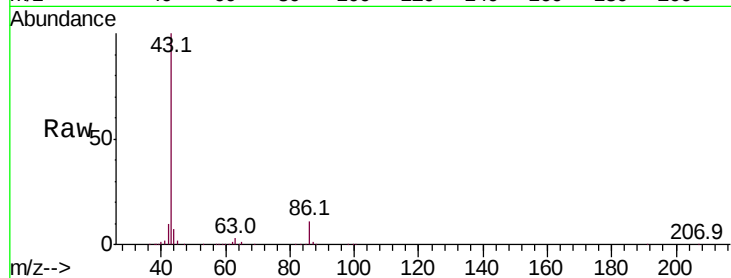




#23
 Vinyl Acetate
 Concen: 106.321 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

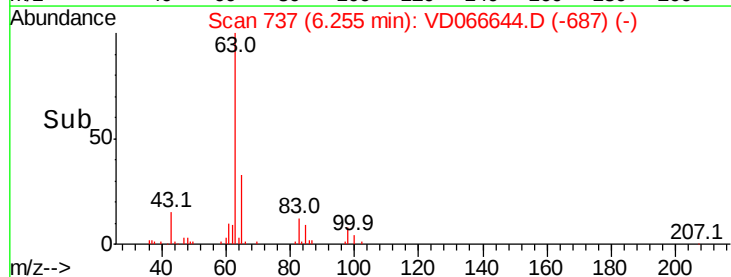
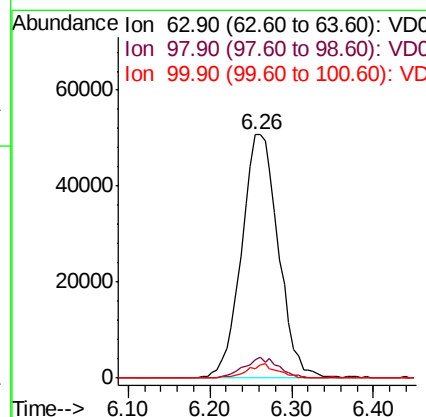
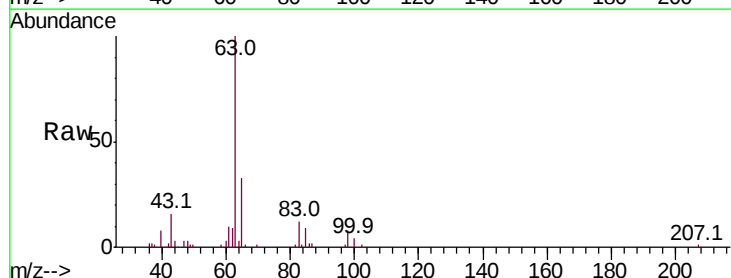
Instrument :
 MSVOA_D
 ClientSampleId :

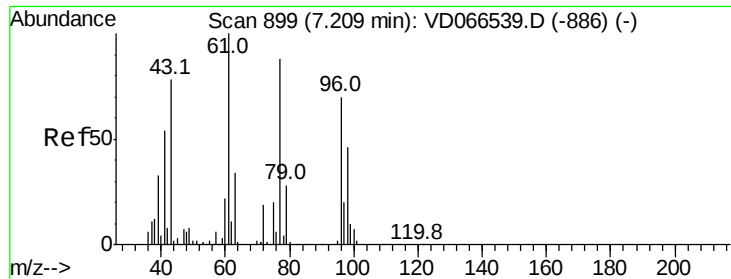
Tot Ion: 43 Resp: 712978
 Ion Ratio Lower Upper
 43 100
 86 10.9 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 21.486 ug/l
 RT: 6.26 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Tgt Ion: 63 Resp: 159223
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.4 10.1
 100 4.0 2.5 7.4





#25

2-Butanone

Concen: 112.789 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

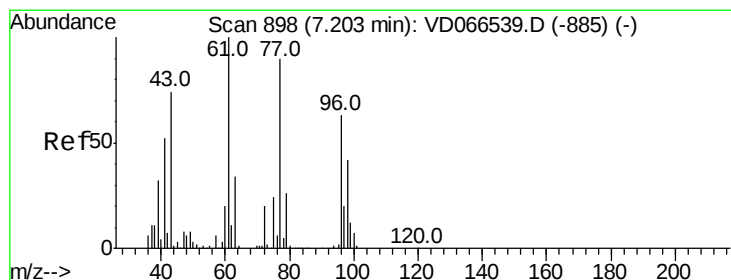
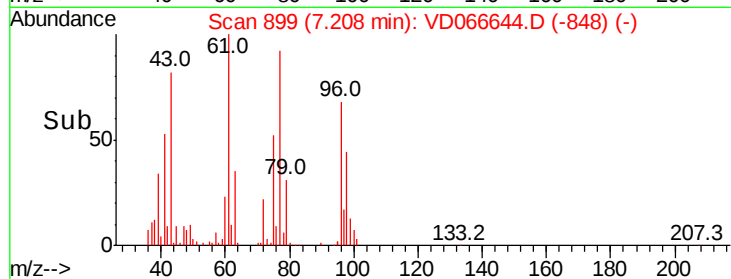
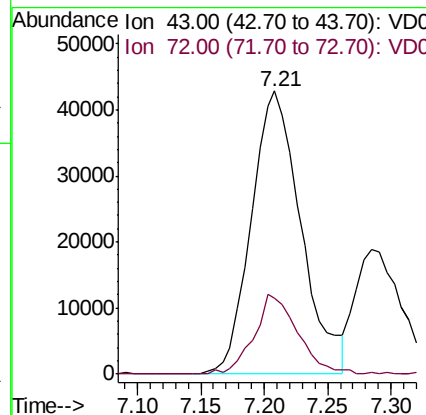
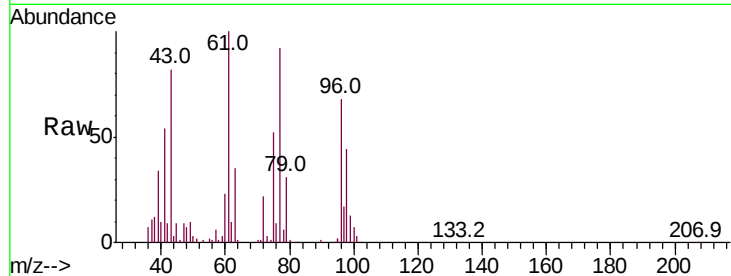
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 116975

Ion Ratio Lower Upper

43 100

72 26.7 19.8 29.6



#26

2,2-Dichloropropane

Concen: 21.951 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066644.D

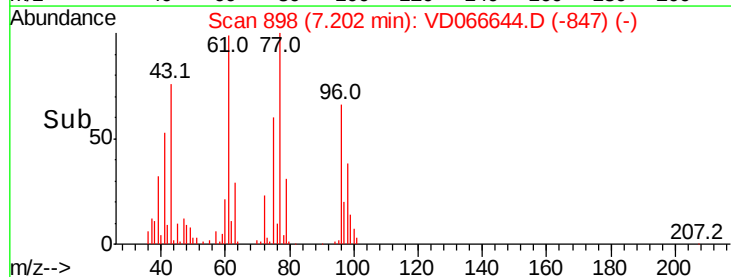
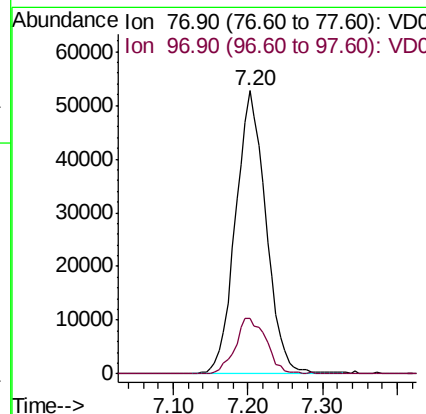
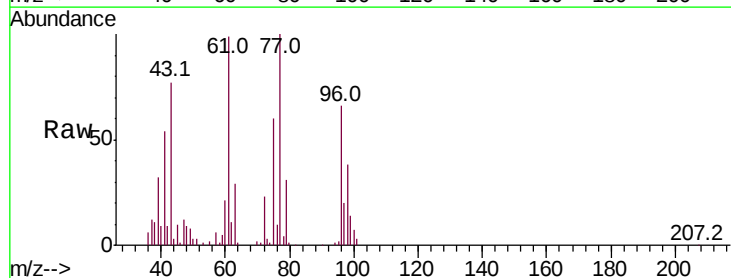
Acq: 11 Sep 2020 13:17

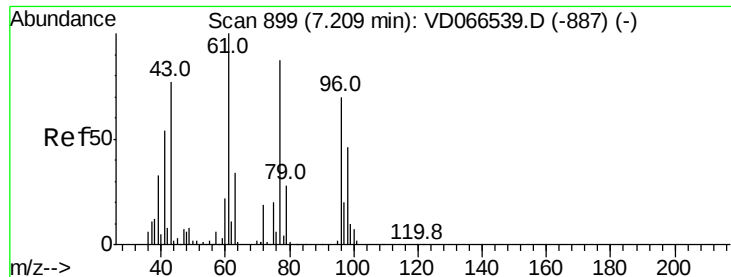
Tgt Ion: 77 Resp: 149212

Ion Ratio Lower Upper

77 100

97 20.0 10.8 32.3



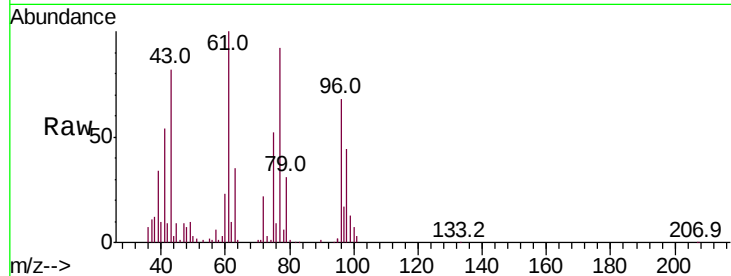


#27

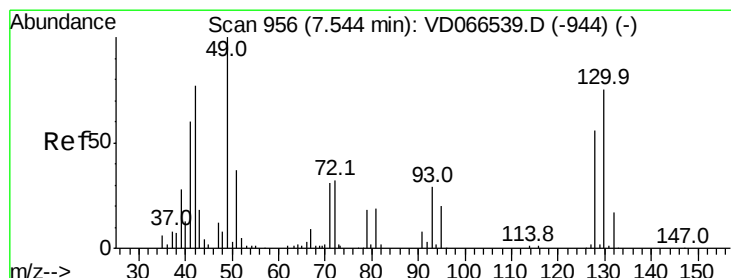
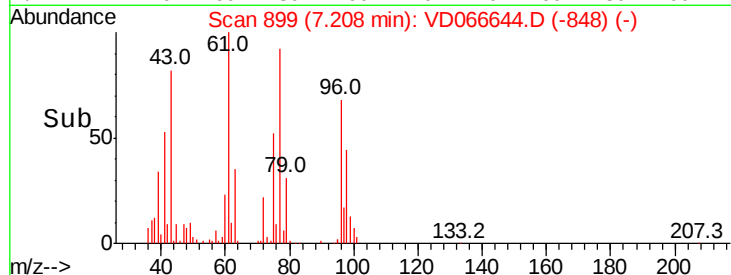
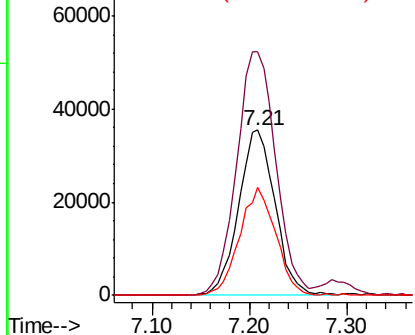
cis-1,2-Dichloroethene
 Concen: 20.816 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 92942
 Ion Ratio Lower Upper
 96 100
 61 158.1 0.0 301.0
 98 64.8 0.0 129.8



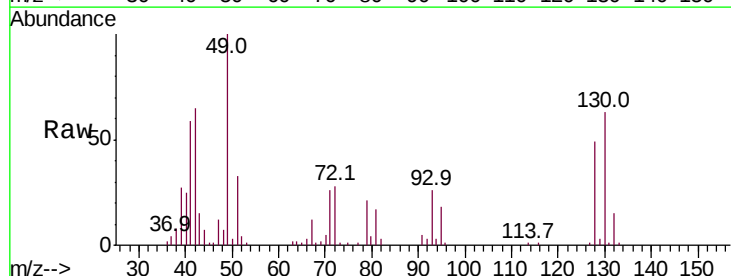
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



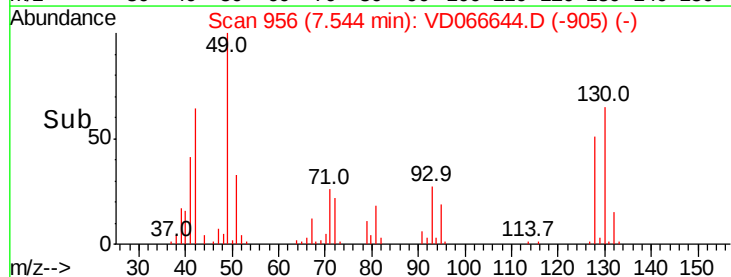
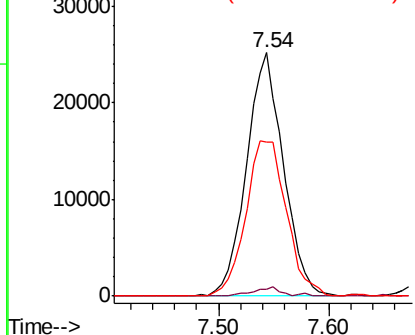
#28

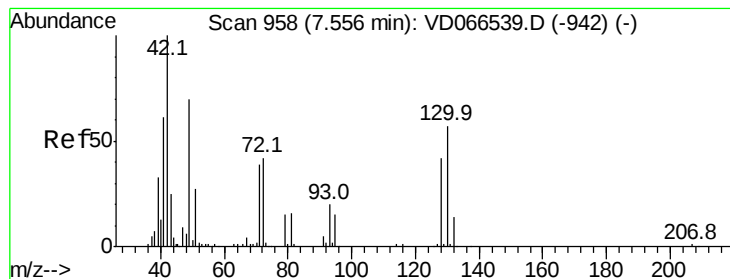
Bromochloromethane
 Concen: 20.722 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Tgt Ion: 49 Resp: 59118
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 2.6#
 130 70.1 58.2 87.2



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





#29

Tetrahydrofuran

Concen: 103.217 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

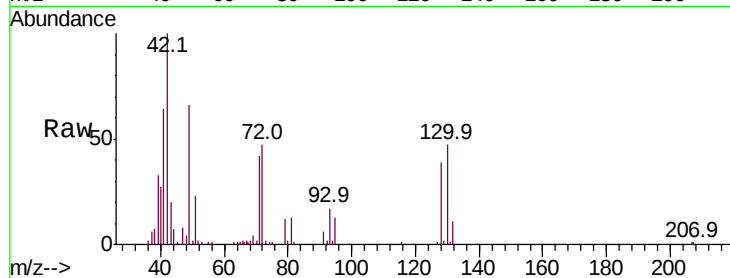
Tot Ion: 42 Resp: 66668

Ion Ratio Lower Upper

42 100

72 44.3 33.4 50.0

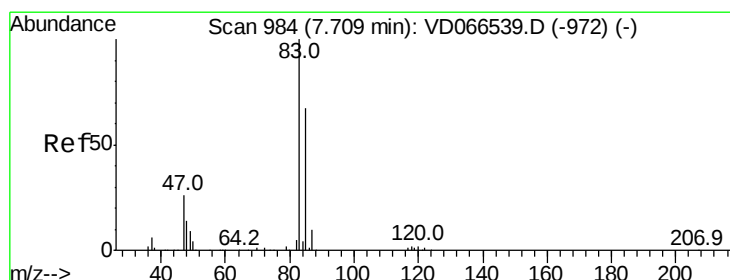
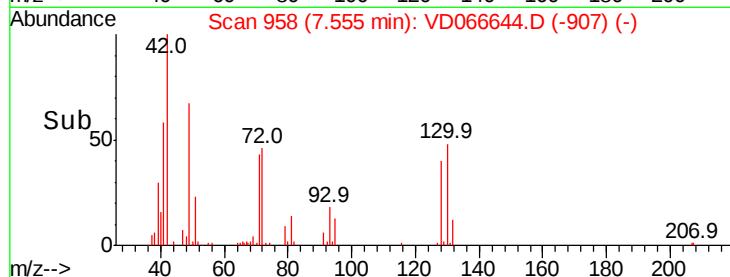
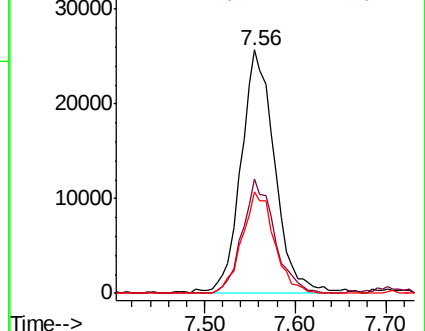
71 39.5 31.9 47.9



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: 21.399 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD066644.D

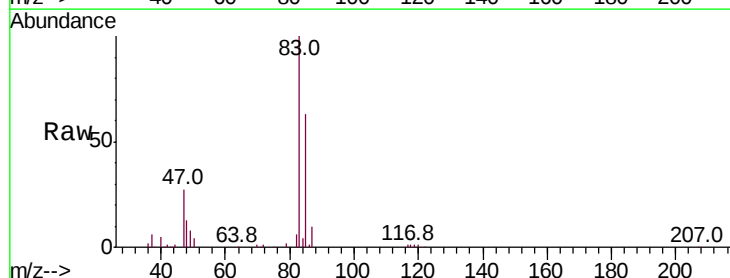
Acq: 11 Sep 2020 13:17

Tgt Ion: 83 Resp: 167765

Ion Ratio Lower Upper

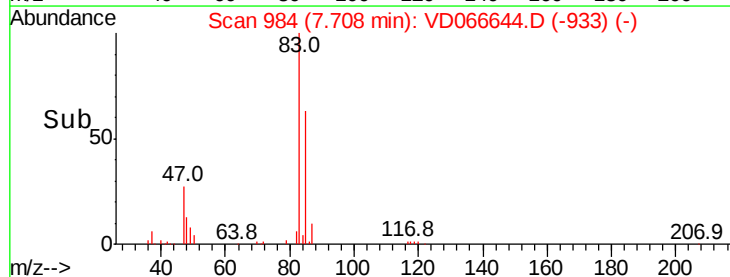
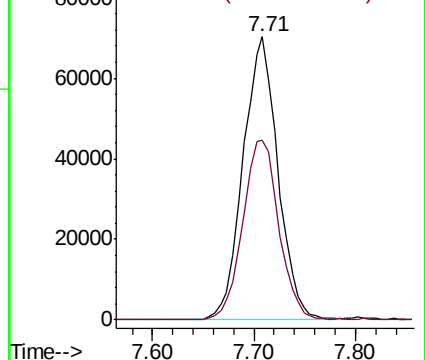
83 100

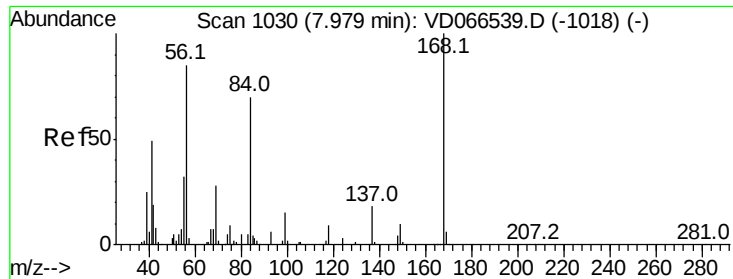
85 63.4 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

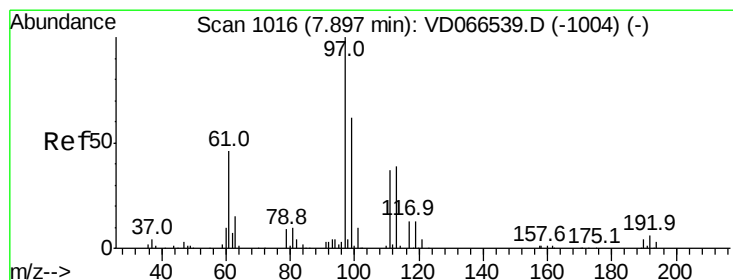
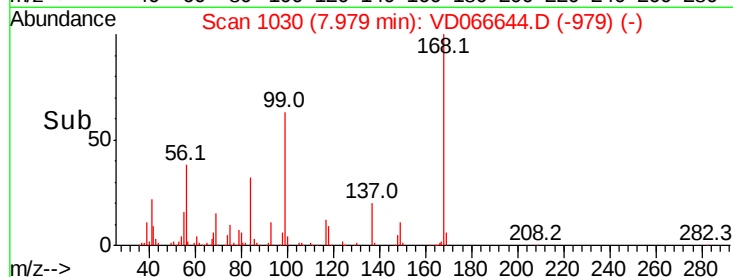
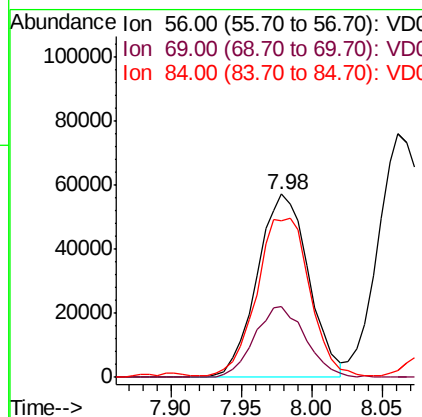
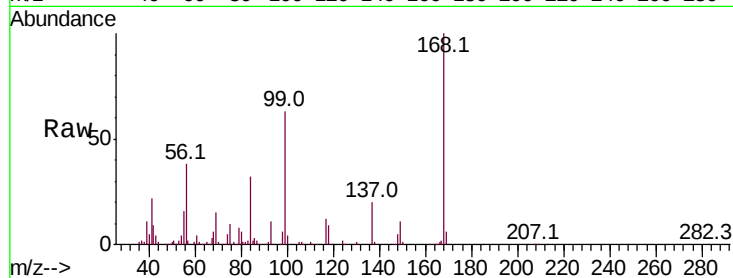




#31
Cyclohexane
Concen: 21.296 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

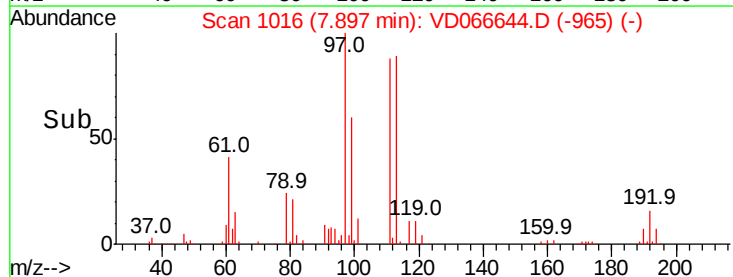
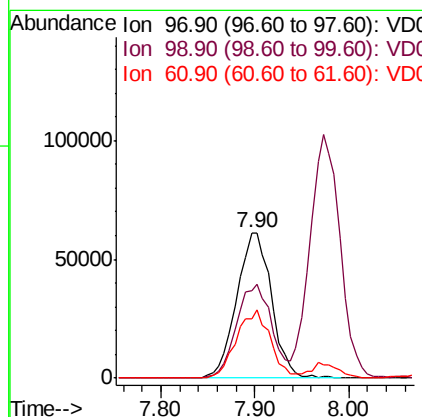
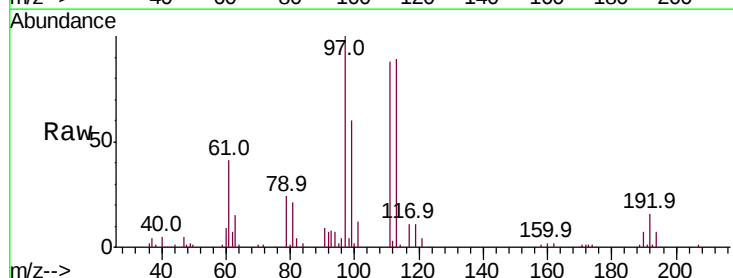
Instrument :
MSVOA_D
ClientSampleId :

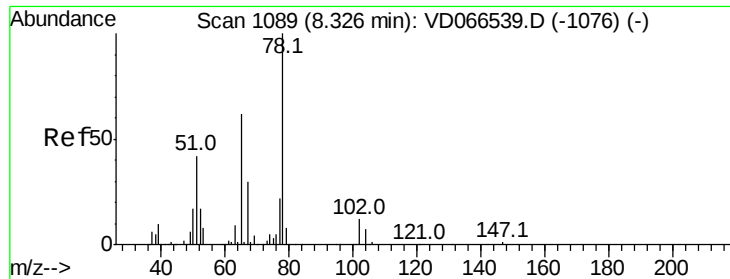
Tot Ion: 56 Resp: 145880
Ion Ratio Lower Upper
56 100
69 38.7 26.3 39.5
84 84.1 66.1 99.1



#32
1,1,1-Trichloroethane
Concen: 21.295 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion: 97 Resp: 156965
Ion Ratio Lower Upper
97 100
99 65.8 51.4 77.0
61 46.2 37.4 56.0





#33

1,2-Dichloroethane-d4

Concen: 53.453 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

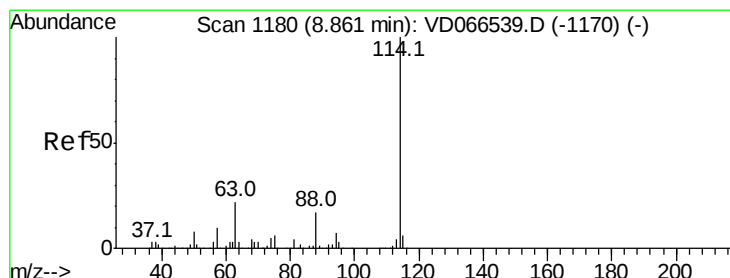
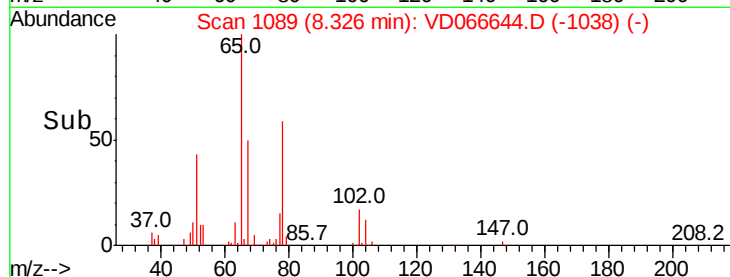
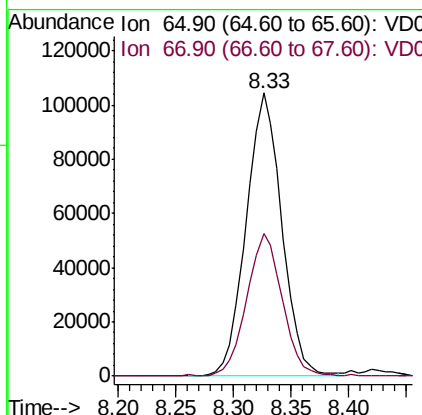
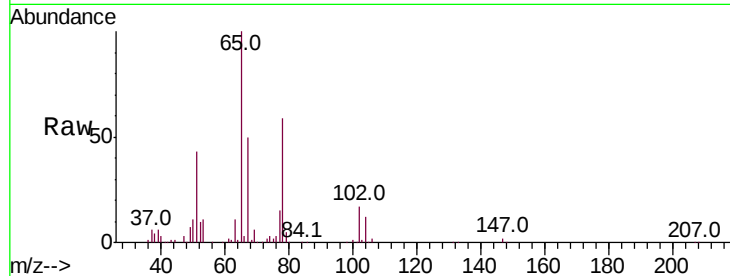
Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 224446

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

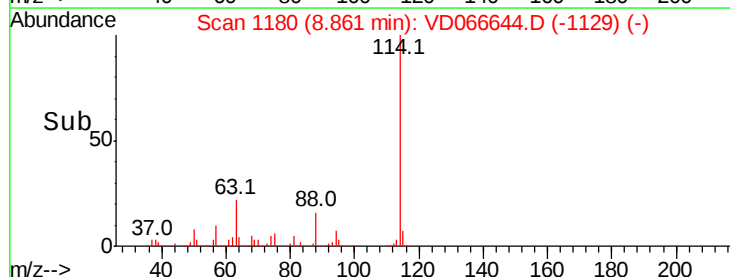
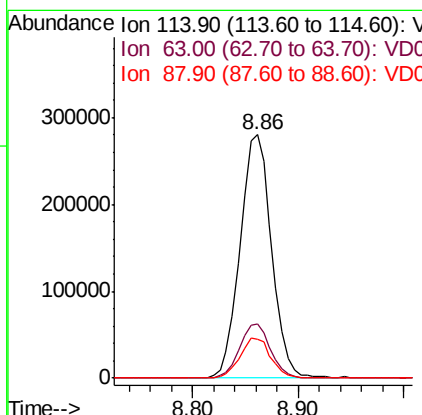
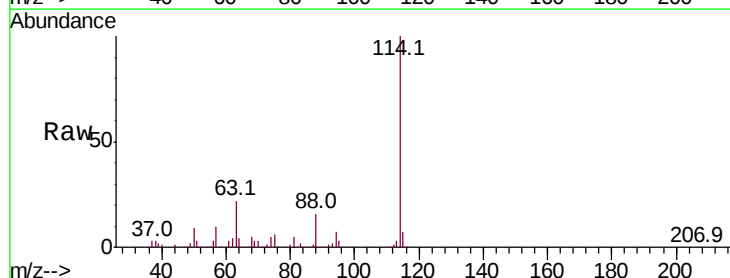
Delta R.T. -0.00 min

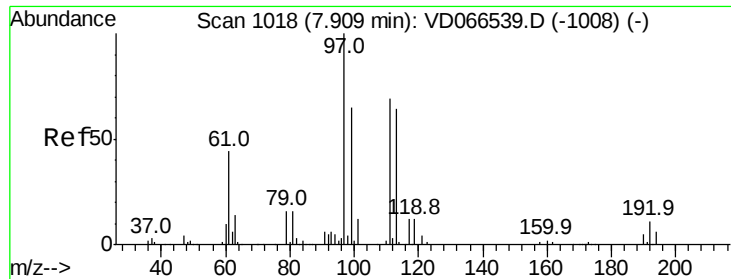
Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Tgt Ion: 114 Resp: 578999

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	15.7	0.0	33.2

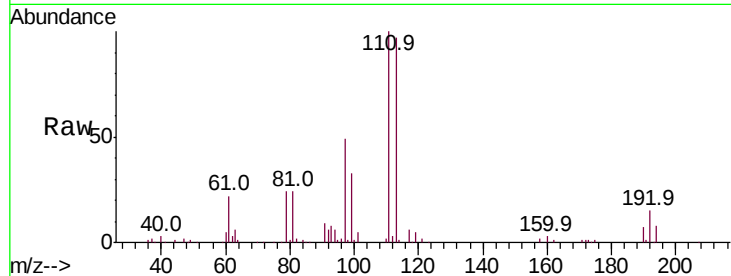




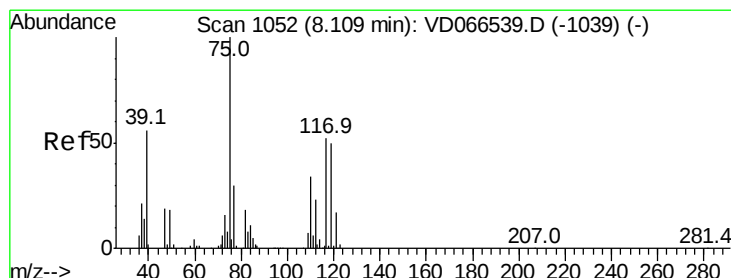
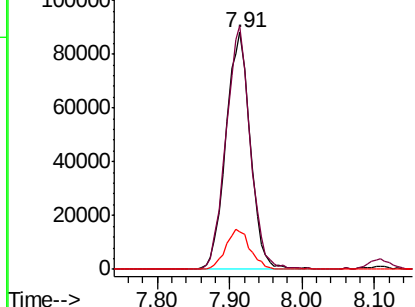
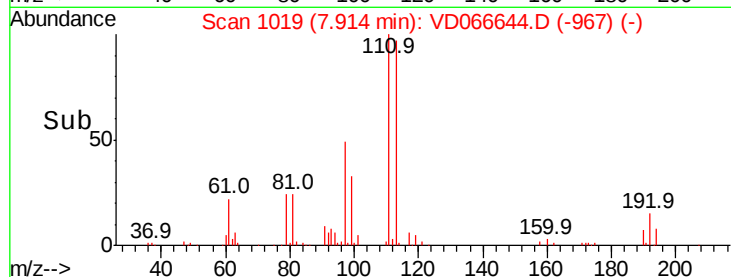
#35
 Dibromofluoromethane
 Concen: 52.710 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 205884
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.2 124.8
 192 16.9 13.7 20.5

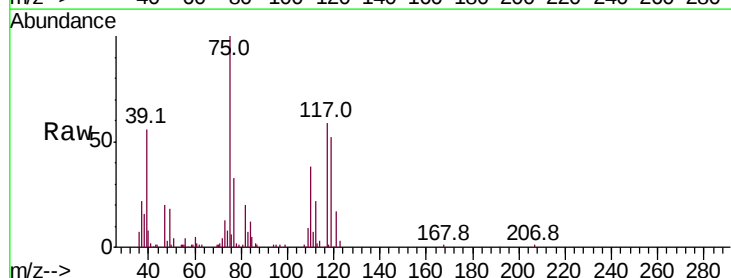


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

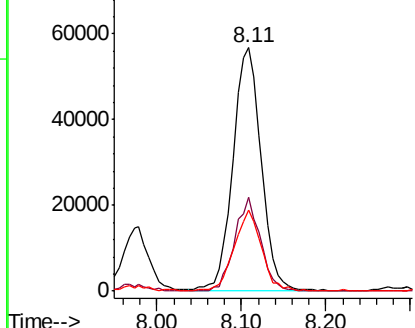
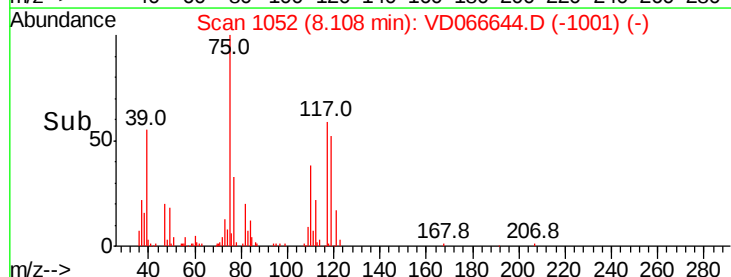


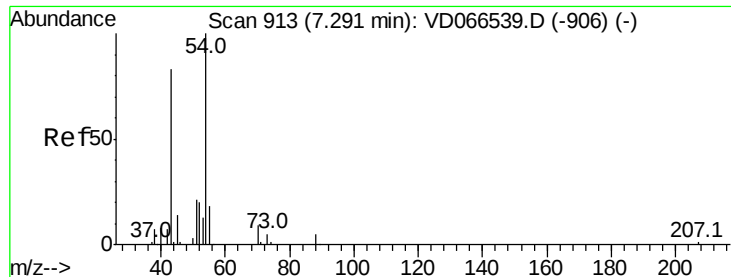
#36
 1,1-Dichloropropene
 Concen: 21.781 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Tgt Ion: 75 Resp: 131241
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.3 52.0
 77 32.1 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

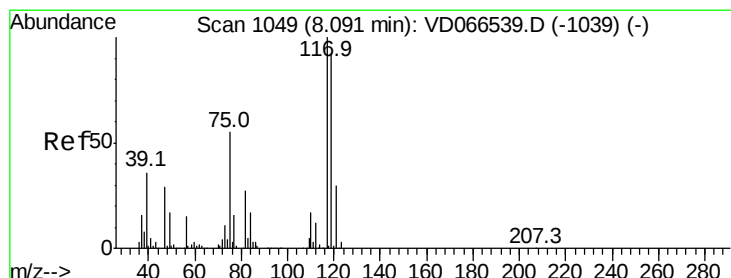
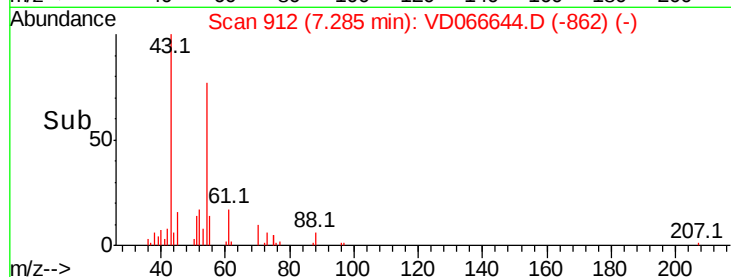
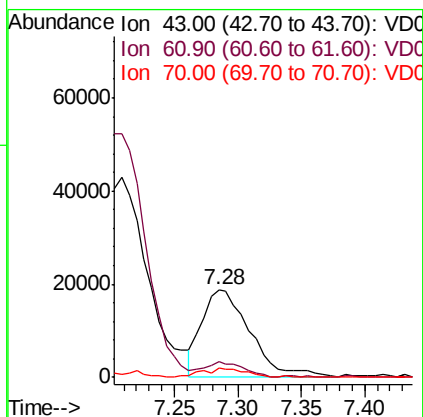
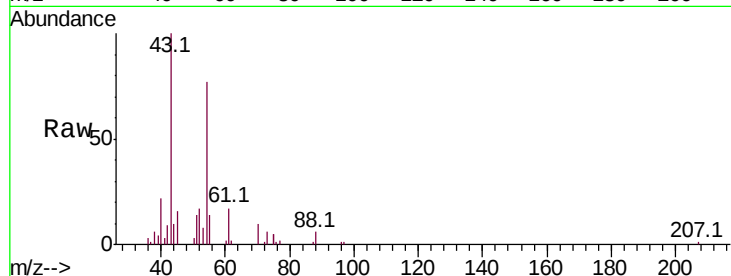




#37
Ethyl Acetate
Concen: 20.370 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

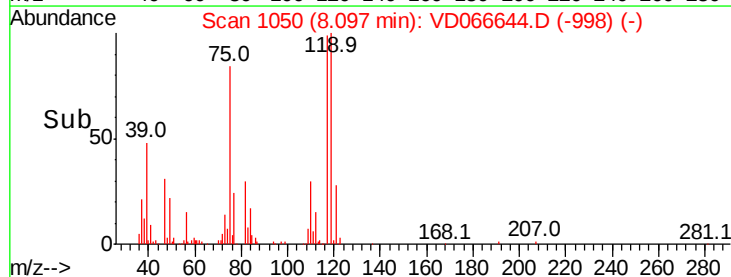
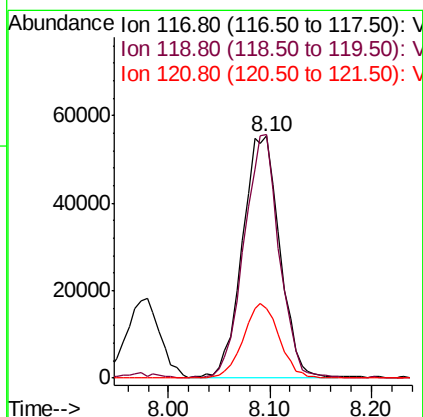
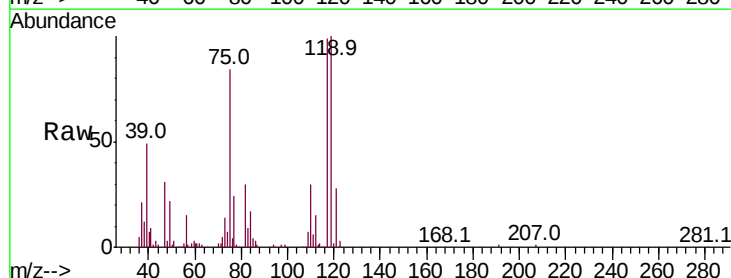
Instrument :
MSVOA_D
ClientSampleId :

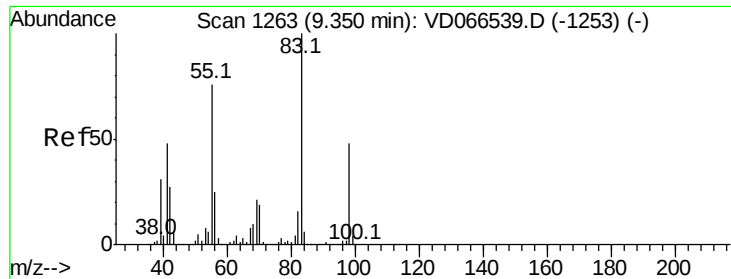
Tot Ion: 43 Resp: 48875
Ion Ratio Lower Upper
43 100
61 12.4 11.8 17.8
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 22.056 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion: 117 Resp: 140472
Ion Ratio Lower Upper
117 100
119 101.0 73.9 110.9
121 28.8 24.1 36.1

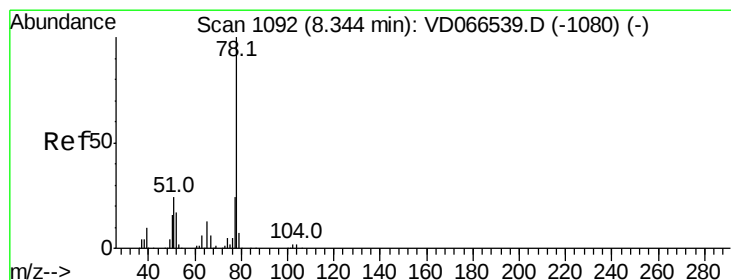
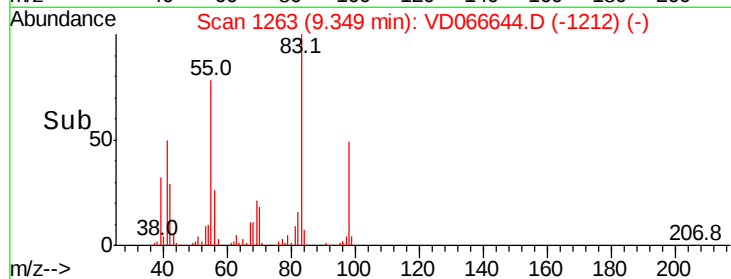
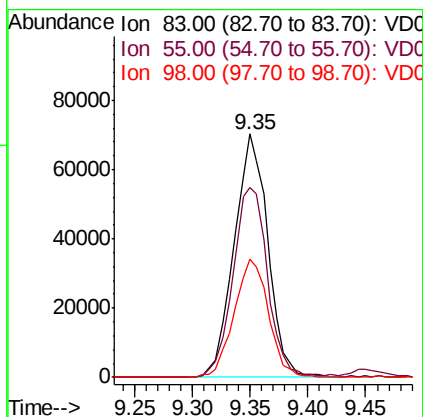
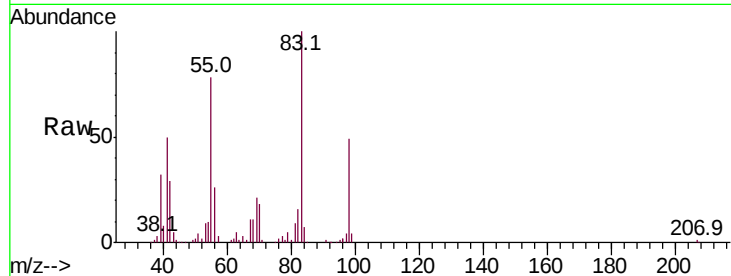




#39
Methvlcvclohexane
Concen: 21.194 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

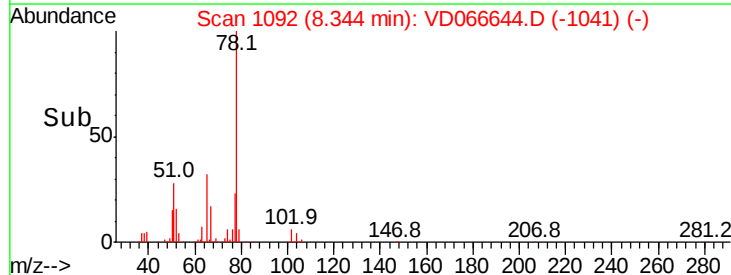
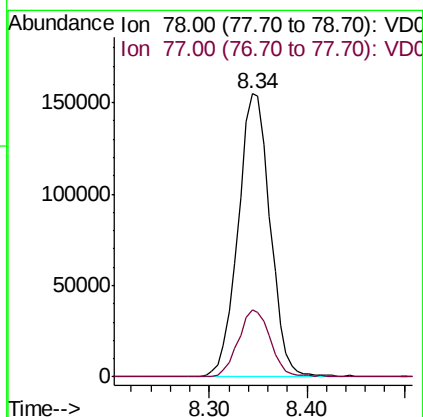
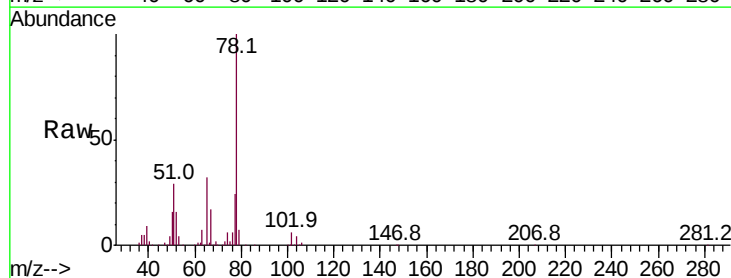
Instrument :
MSVOA_D
ClientSampleId :

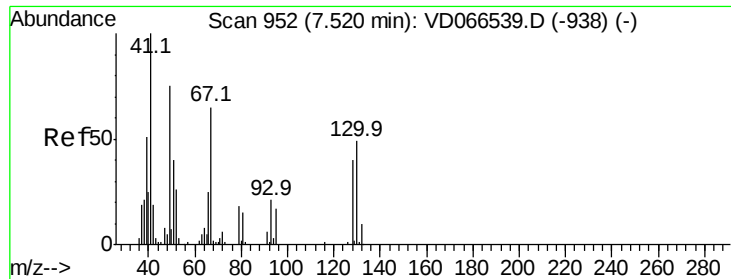
Tot Ion: 83 Resp: 142601
Ion Ratio Lower Upper
83 100
55 77.9 60.8 91.2
98 48.6 38.6 58.0



#40
Benzene
Concen: 21.424 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion: 78 Resp: 353562
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

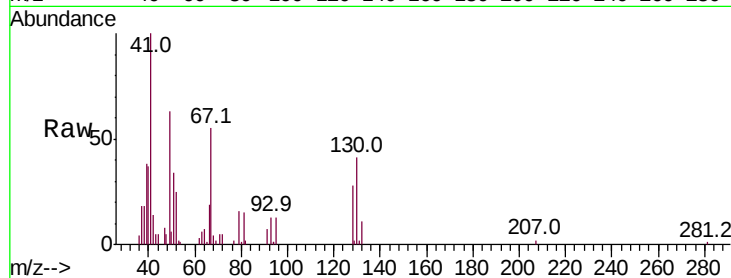




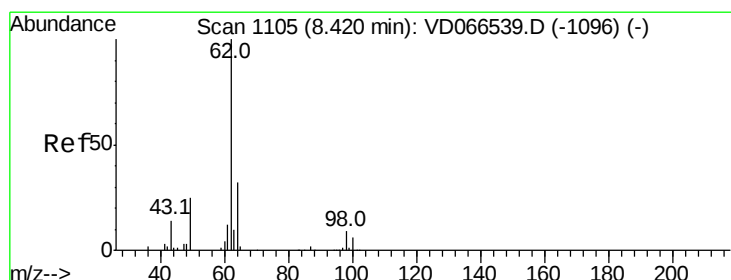
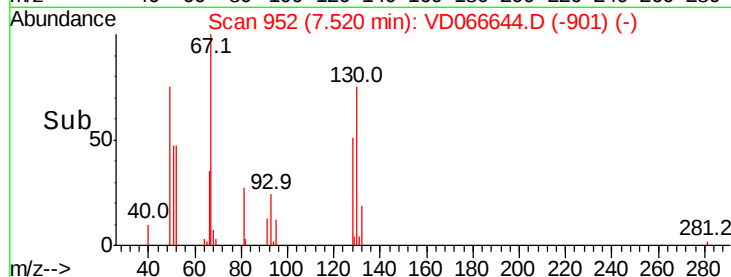
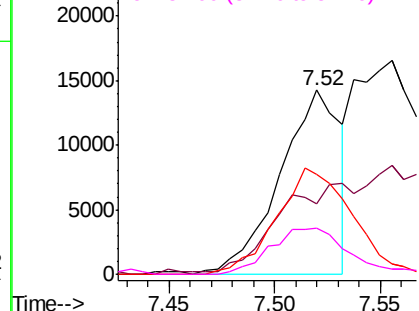
#41
Methacrylonitrile
Concen: 24.464 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	28413
Ion	Ratio	Lower	Upper
41	100		
39	59.7	53.6	80.4
67	72.2	59.2	88.8
52	32.0	26.8	40.2

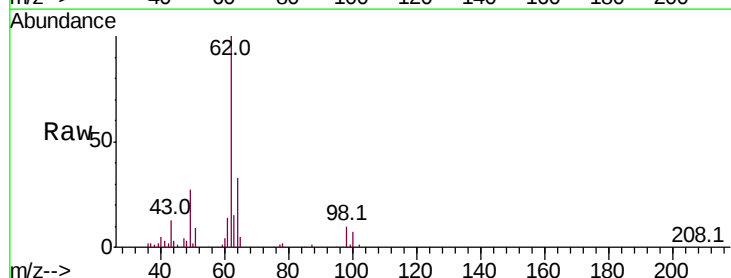


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

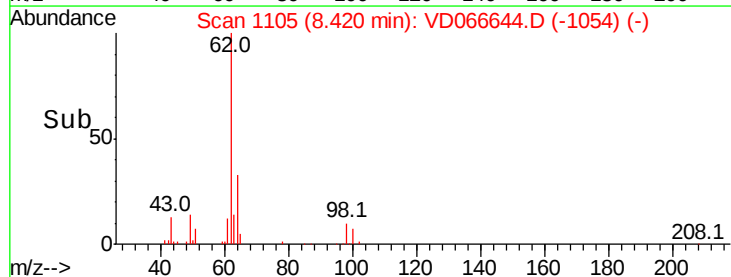
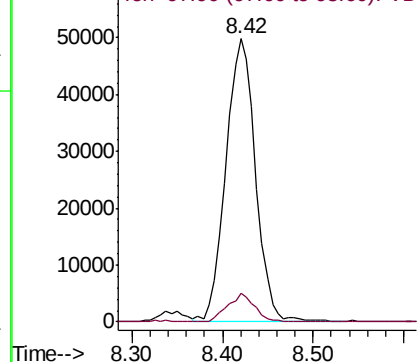


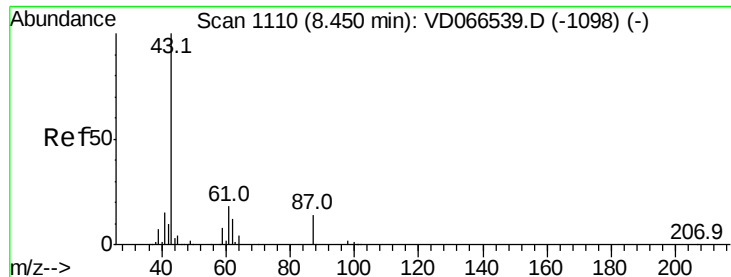
#42
1,2-Dichloroethane
Concen: 21.137 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion:	62	Resp:	113017
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 20.746 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

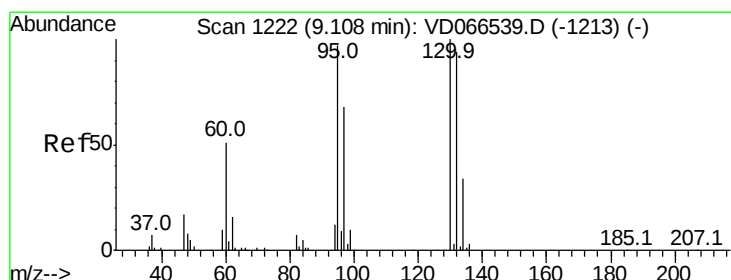
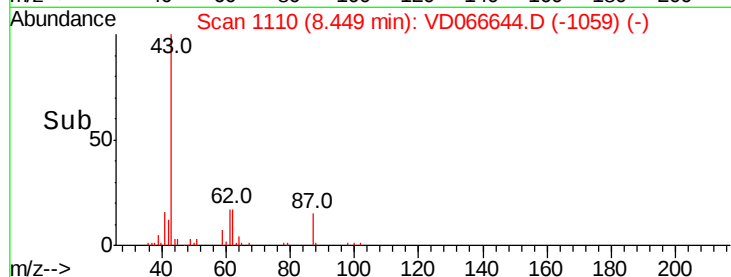
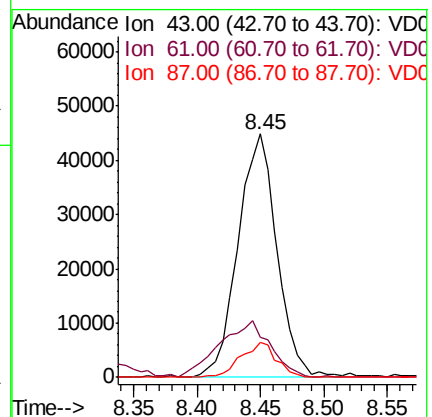
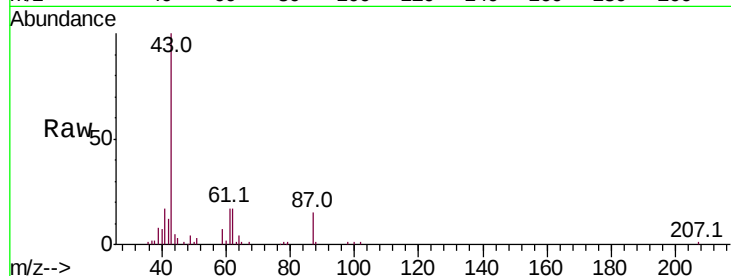
Tot Ion: 43 Resp: 95395

Ion Ratio Lower Upper

43 100

61 30.6 23.8 35.8

87 13.1 10.7 16.1



#44

Trichloroethene

Concen: 22.136 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066644.D

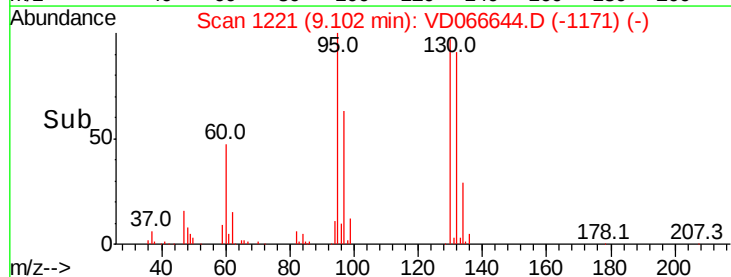
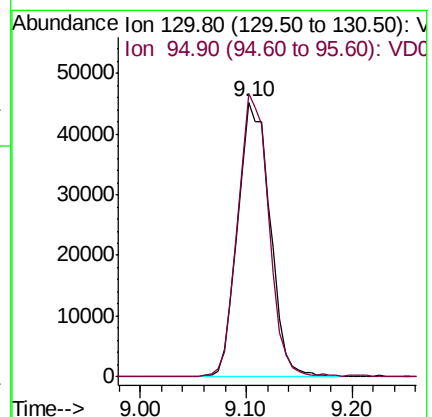
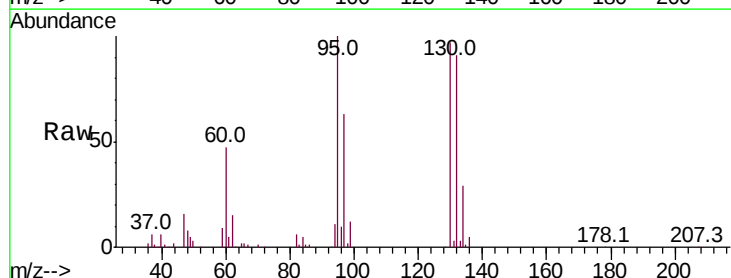
Acq: 11 Sep 2020 13:17

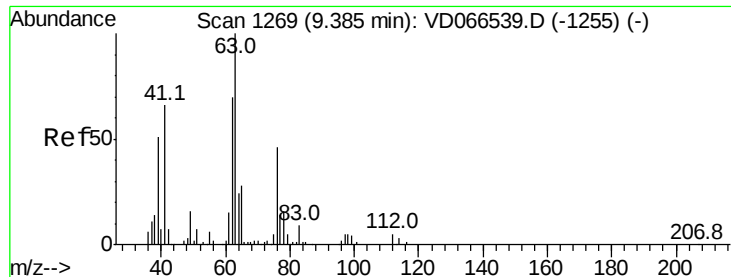
Tgt Ion: 130 Resp: 95823

Ion Ratio Lower Upper

130 100

95 103.1 0.0 194.4





#45

1,2-Dichloropropane

Concen: 21.161 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

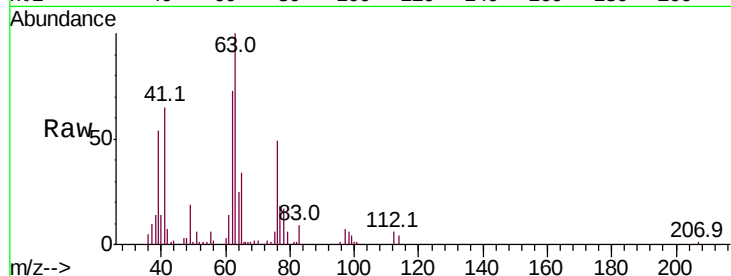
ClientSampleId :

Tot Ion: 63 Resp: 87822

Ion Ratio Lower Upper

63 100

65 33.9 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

40000

30000

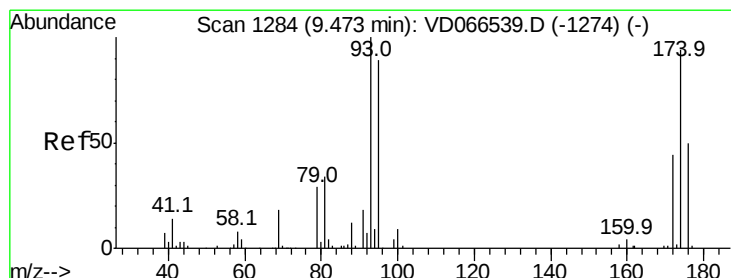
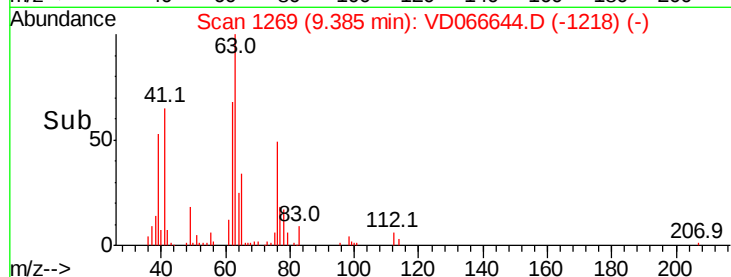
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 20.663 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

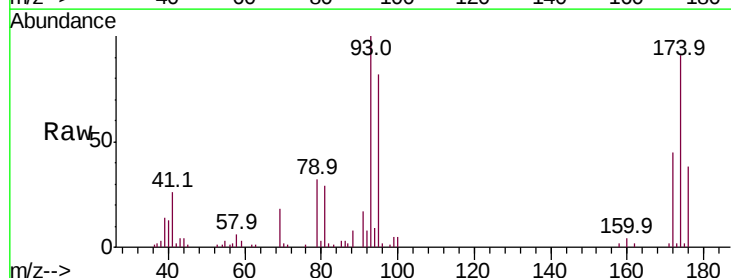
Tgt Ion: 93 Resp: 47312

Ion Ratio Lower Upper

93 100

95 87.8 68.7 103.1

174 92.0 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

9.47

30000

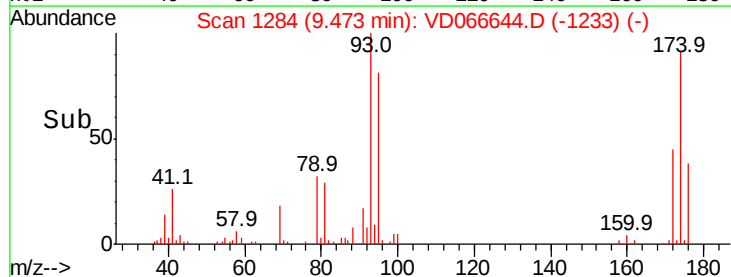
20000

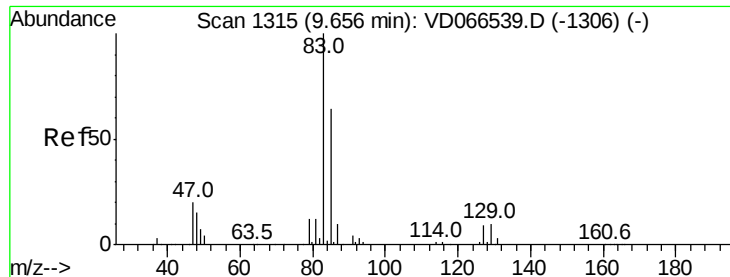
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 21.528 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

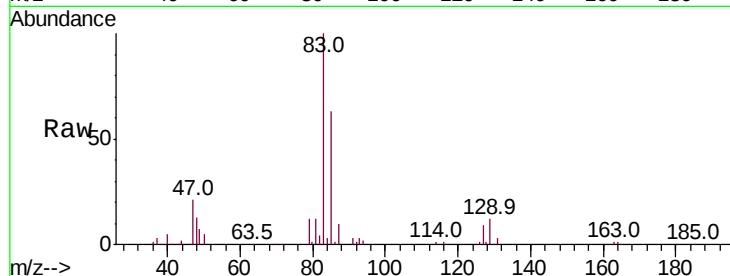
Tot Ion: 83 Resp: 133361

Ion Ratio Lower Upper

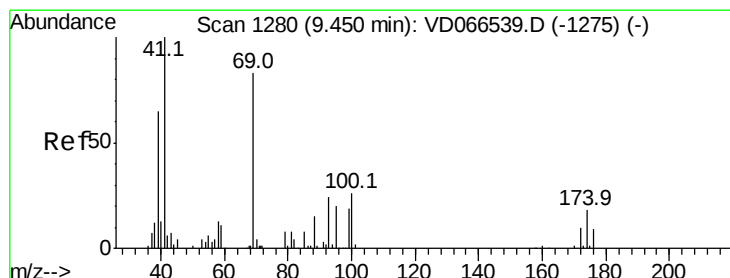
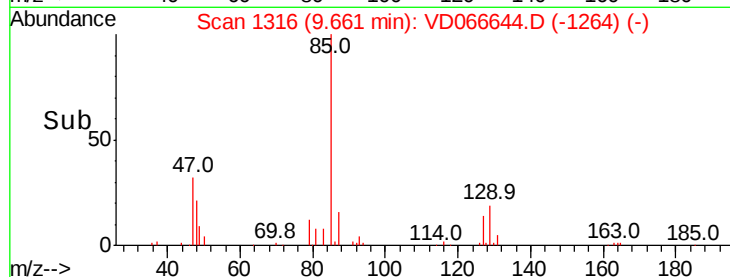
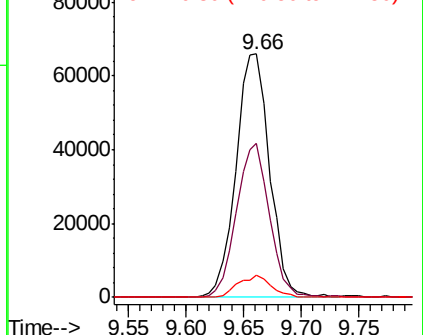
83 100

85 63.2 51.1 76.7

127 8.9 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: 22.813 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

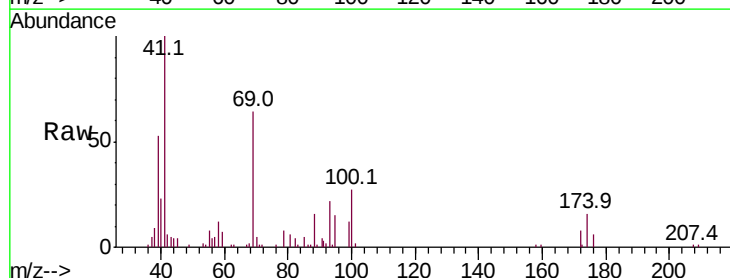
Tgt Ion: 41 Resp: 53042

Ion Ratio Lower Upper

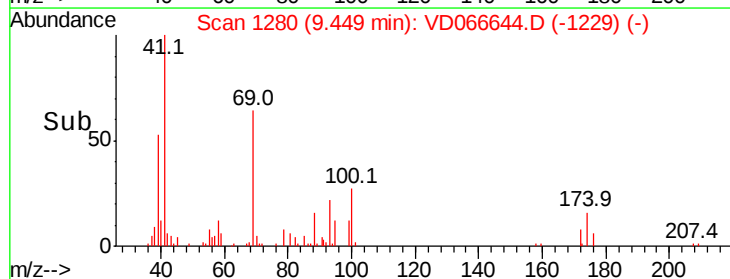
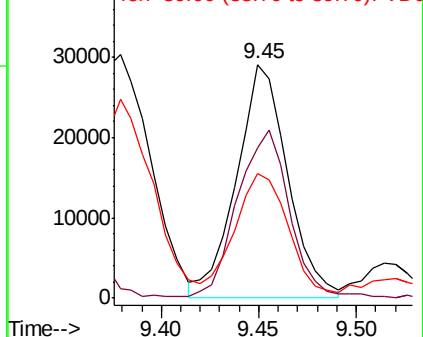
41 100

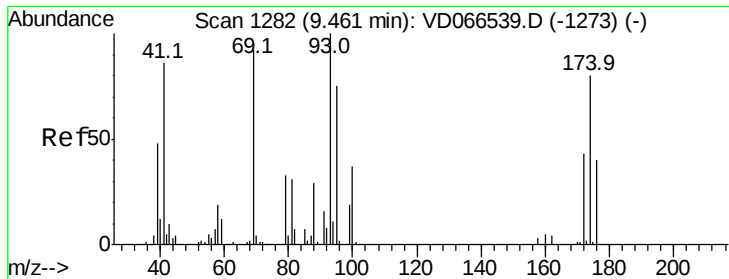
69 73.6 64.5 96.7

39 51.8 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

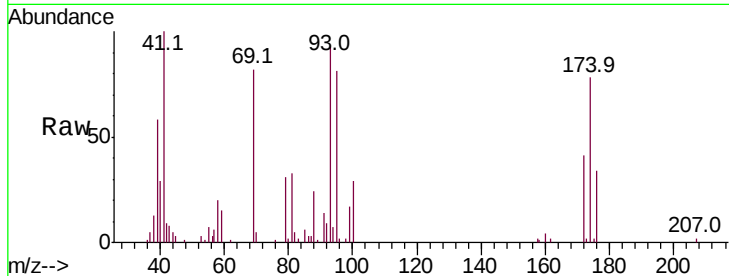




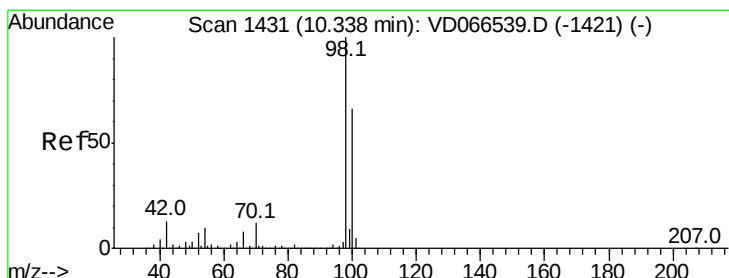
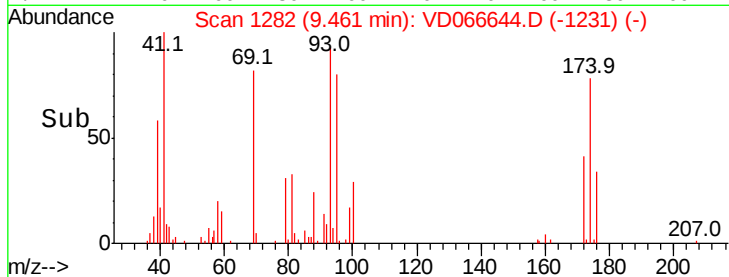
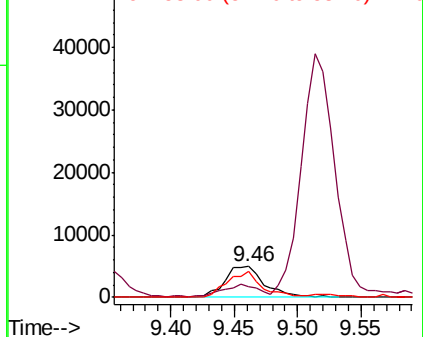
#49
1,4-Dioxane
Concen: 423.413 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 10636
Ion Ratio Lower Upper
88 100
43 38.0 28.3 42.5
58 73.9 56.1 84.1

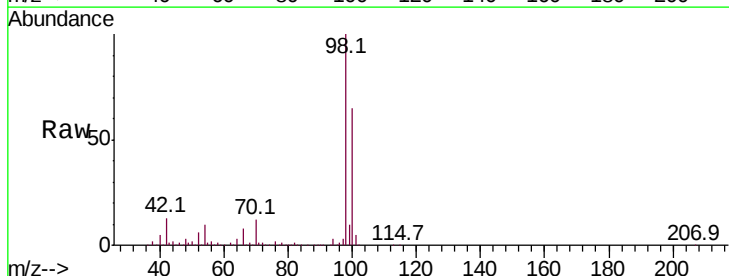


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

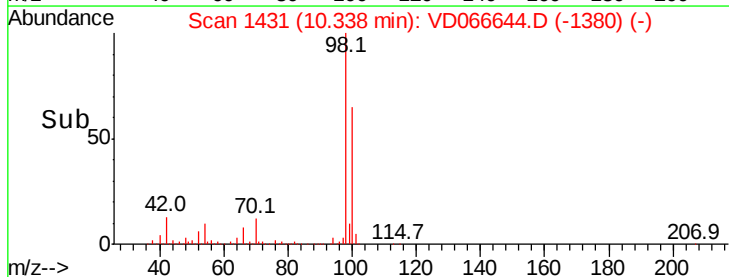
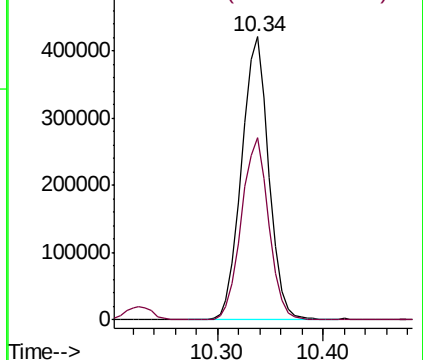


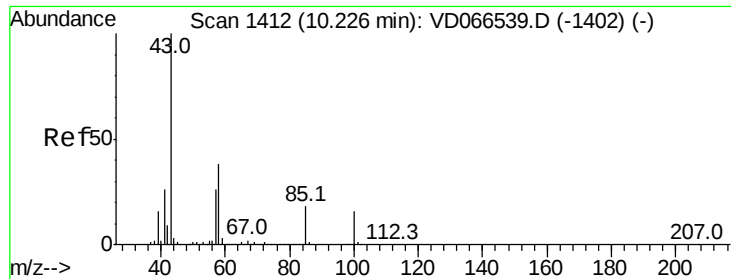
#50
Toluene-d8
Concen: 53.841 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion: 98 Resp: 751649
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

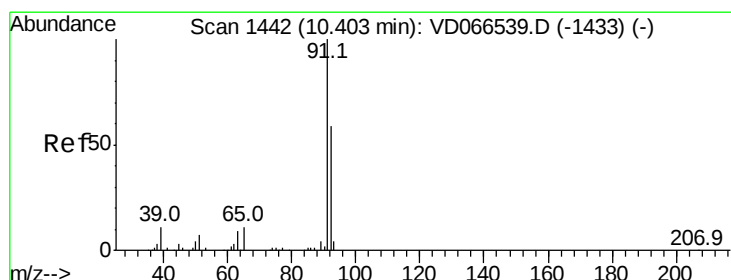
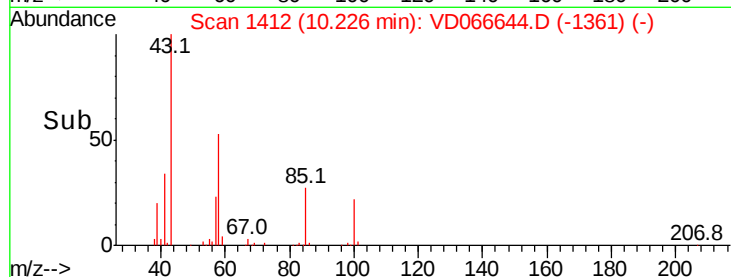
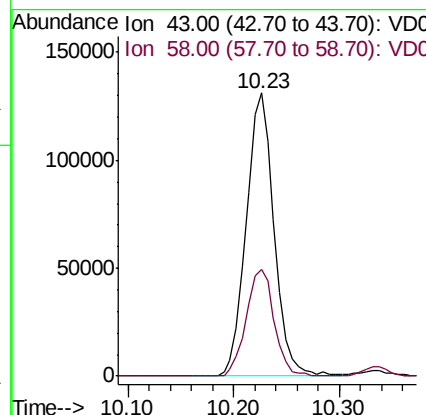
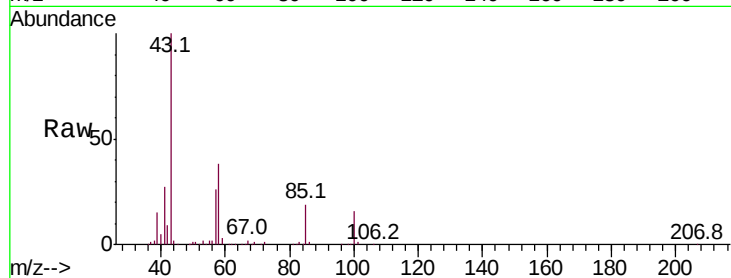




#51
 4-Methyl-2-Pentanone
 Concen: 103.355 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

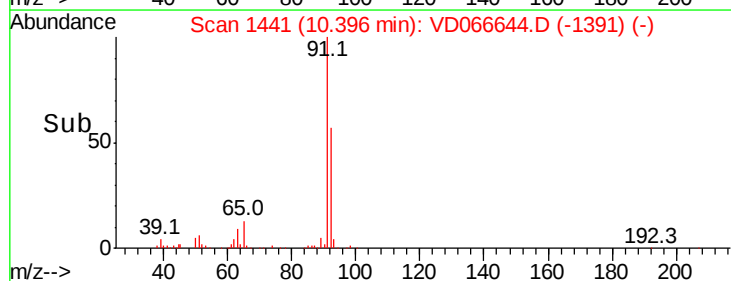
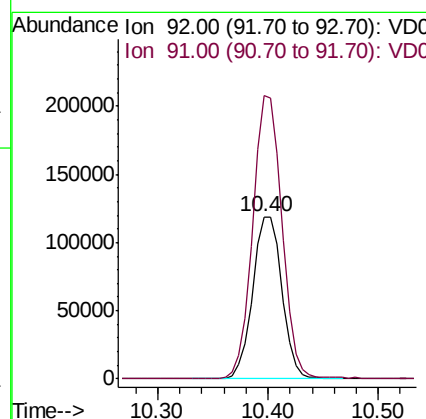
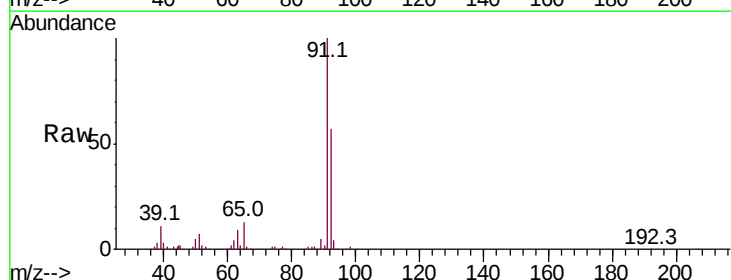
Instrument :
 MSVOA_D
 ClientSampleID :

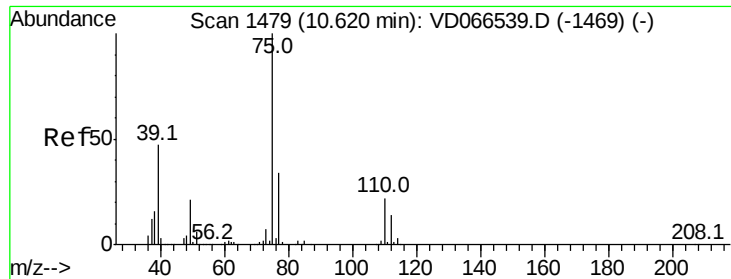
Tot Ion: 43 Resp: 239678
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.5 45.7



#52
 Toluene
 Concen: 21.301 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Tgt Ion: 92 Resp: 222515
 Ion Ratio Lower Upper
 92 100
 91 175.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.775 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

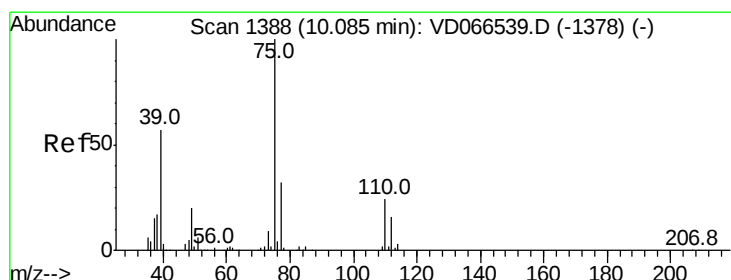
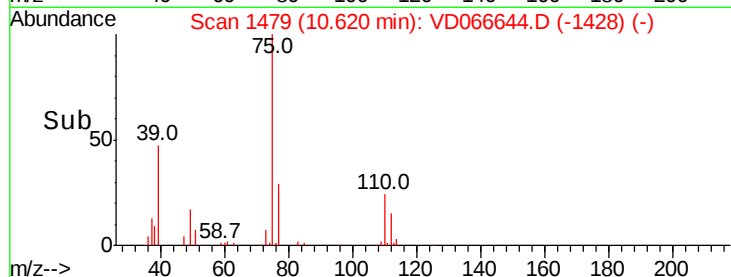
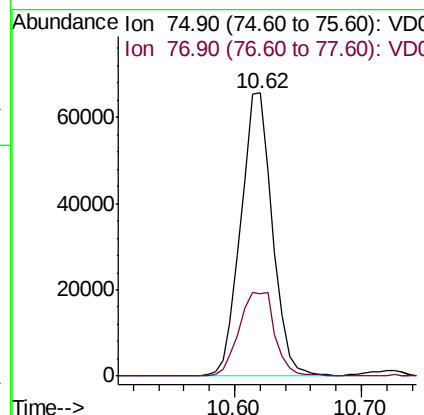
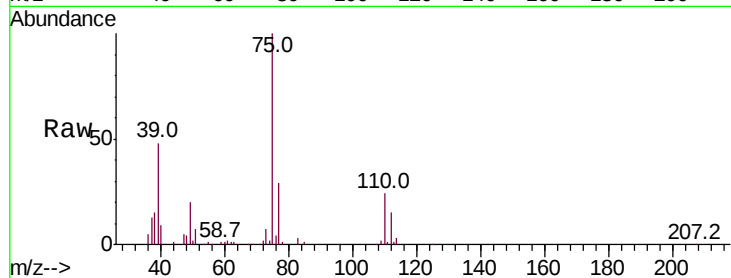
Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 113608

Ion	Ratio	Lower	Upper
75	100		
77	29.1	27.4	41.2



#54

cis-1,3-Dichloropropene

Concen: 20.992 ug/l

RT: 10.08 min Scan# 1388

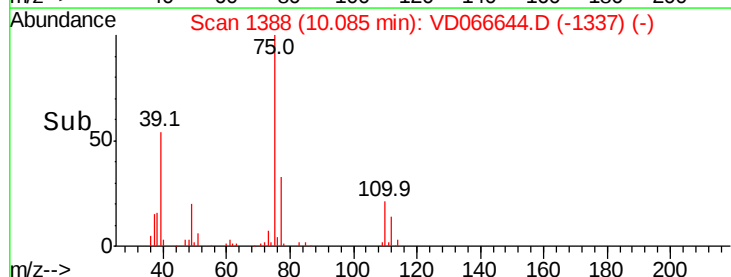
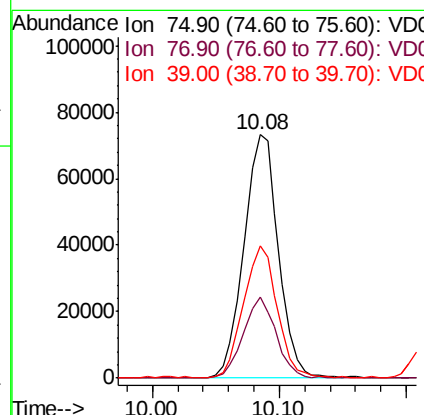
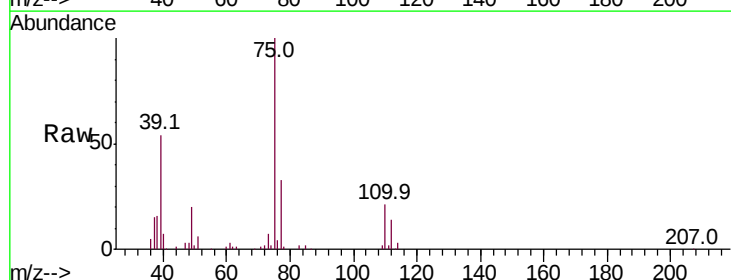
Delta R.T. -0.00 min

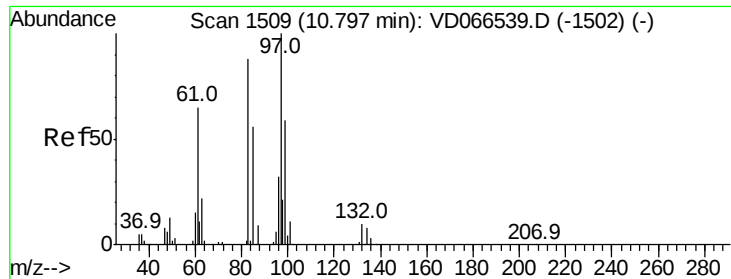
Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Tgt Ion: 75 Resp: 137858

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.4	38.0
39	54.1	45.4	68.0





#55

1,1,2-Trichloroethane

Concen: 21.698 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 63877

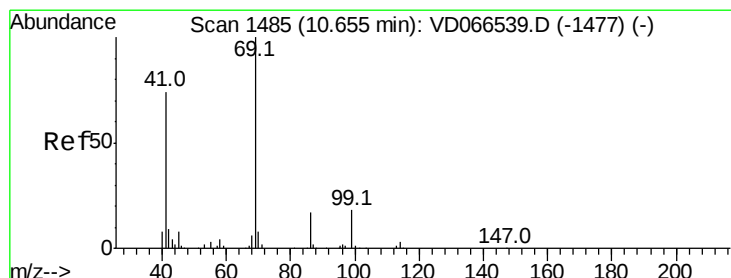
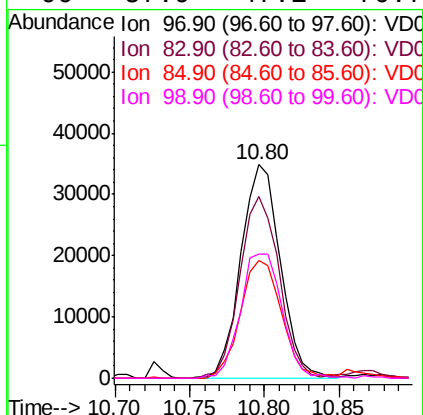
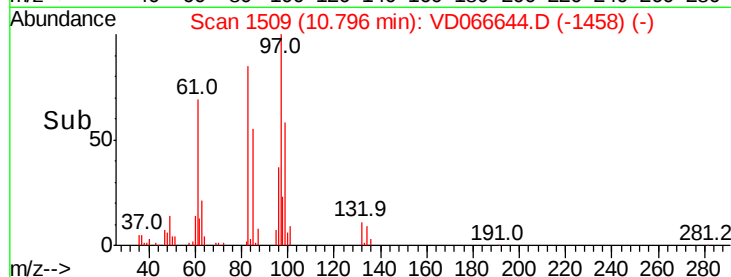
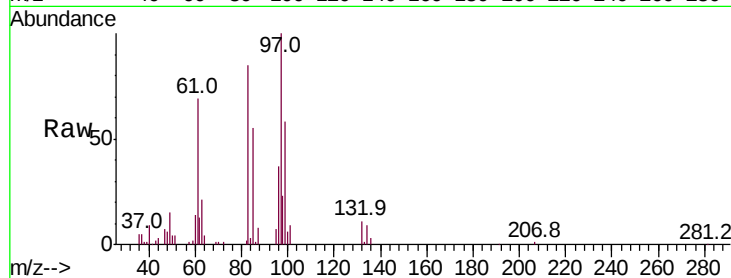
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.1	105.1
85	54.9	44.5	66.7
99	57.9	47.1	70.7

97 100

83 85.0 70.1 105.1

85 54.9 44.5 66.7

99 57.9 47.1 70.7



#56

Ethyl methacrylate

Concen: 21.208 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.01 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

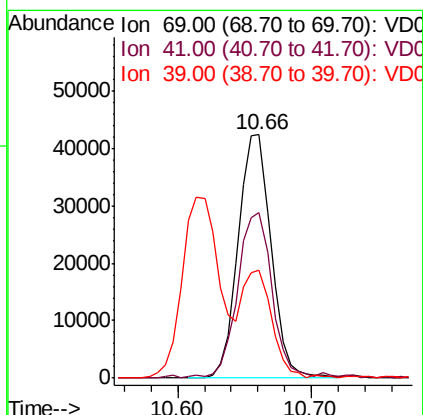
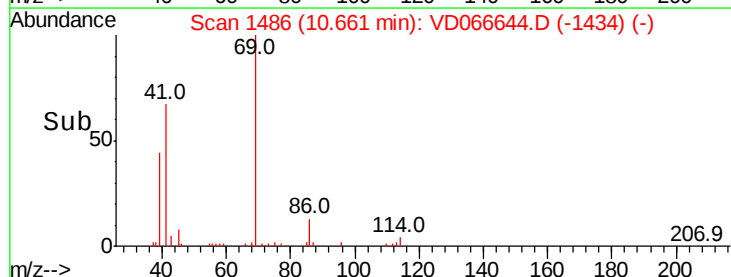
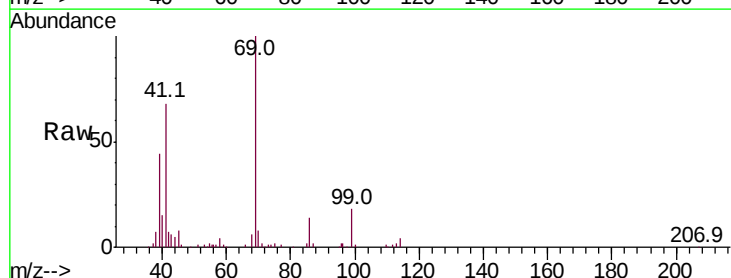
Tgt Ion: 69 Resp: 72697

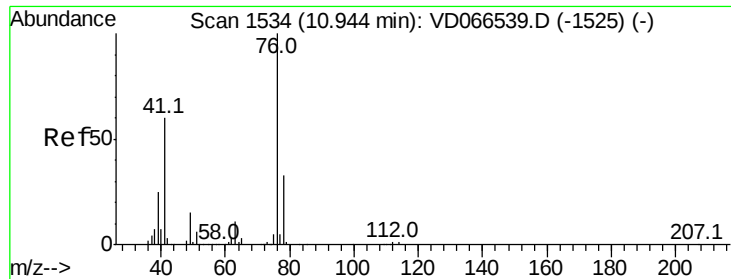
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.8	85.2
39	39.0	30.6	46.0

69 100

41 70.5 56.8 85.2

39 39.0 30.6 46.0

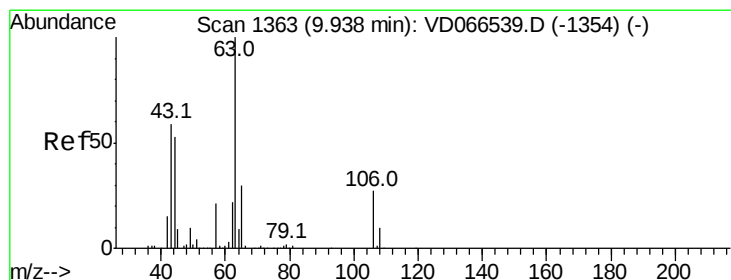
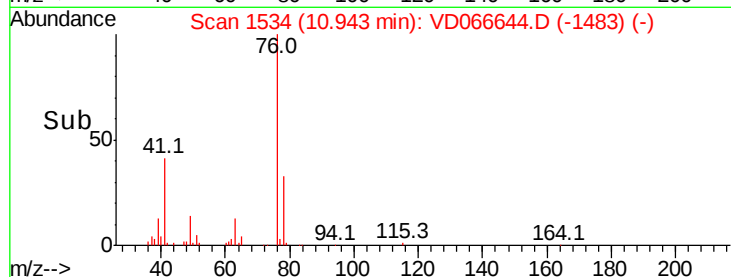
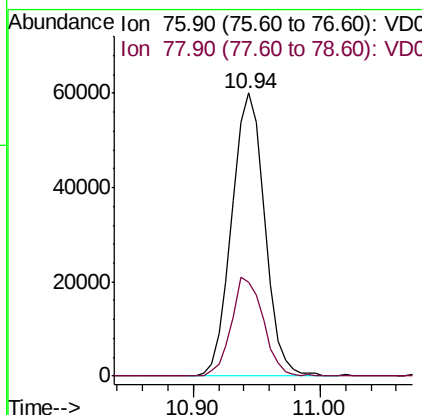
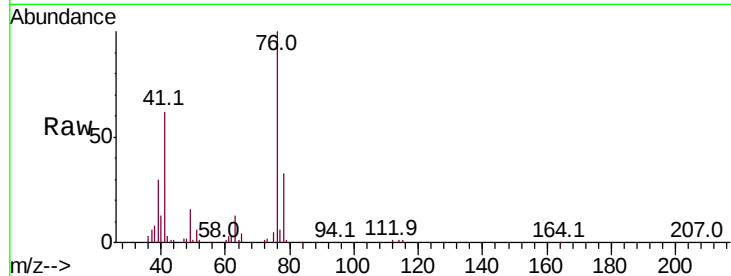




#57
 1,3-Dichloropropane
 Concen: 20.930 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

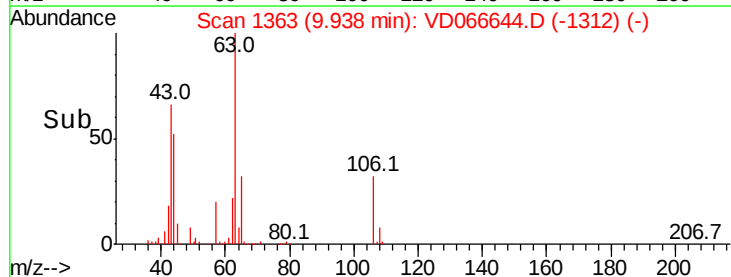
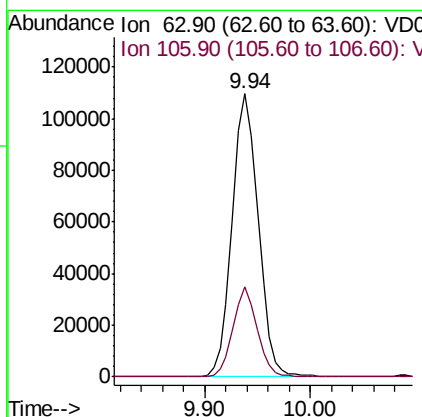
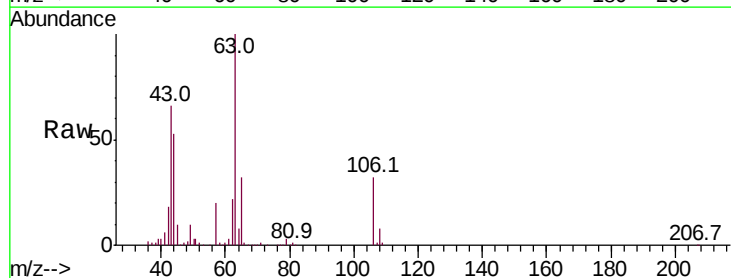
Instrument :
 MSVOA_D
 ClientSampleId :

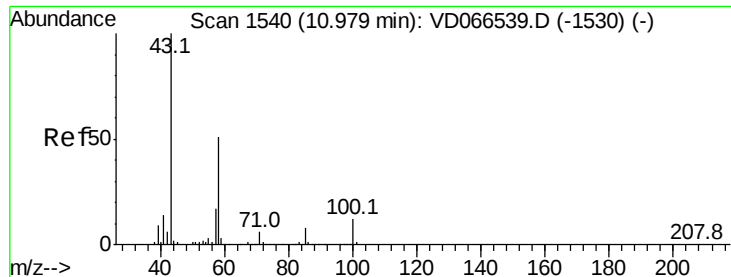
Tot Ion: 76 Resp: 107929
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.861 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Tgt Ion: 63 Resp: 187924
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.0 33.0

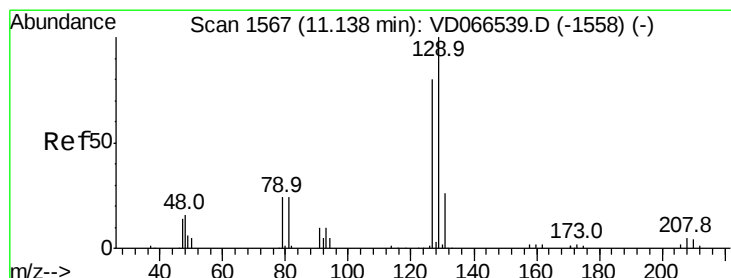
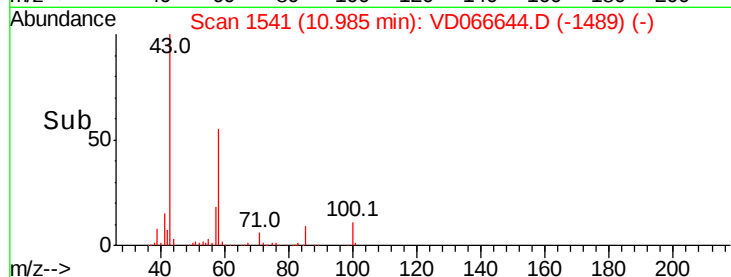
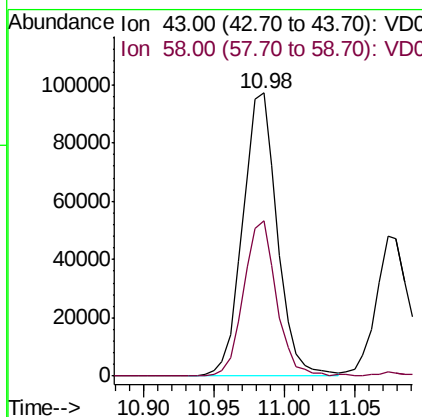
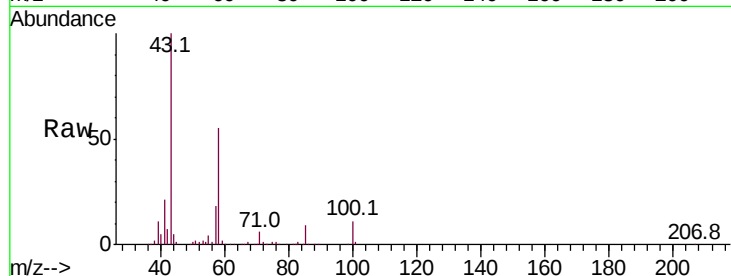




#59
2-Hexanone
Concen: 106.898 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

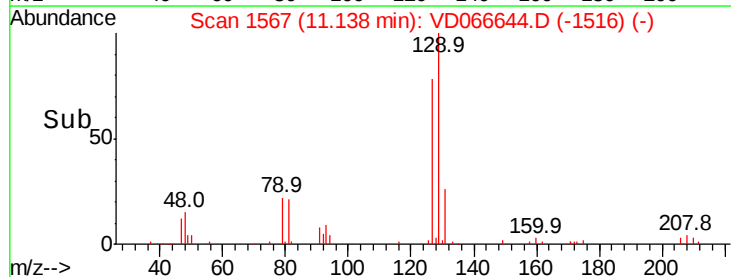
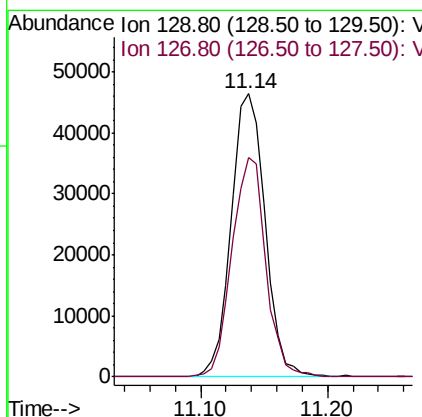
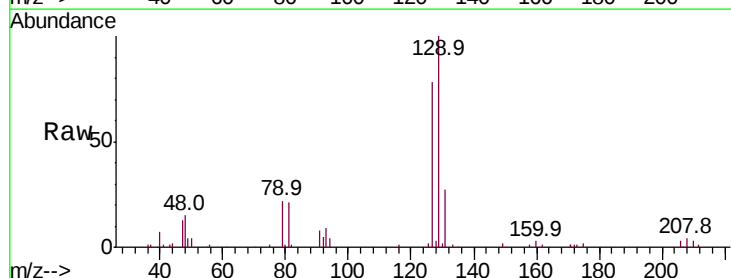
Instrument :
MSVOA_D
ClientSampleId :

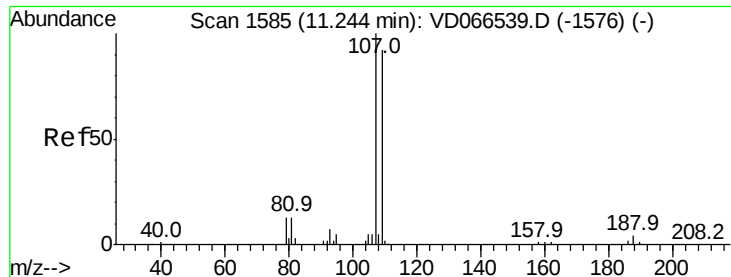
Tot Ion: 43 Resp: 166704
Ion Ratio Lower Upper
43 100
58 52.1 25.6 76.8



#60
Dibromochloromethane
Concen: 22.043 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion:129 Resp: 85814
Ion Ratio Lower Upper
129 100
127 76.9 39.5 118.3





#61

1,2-Dibromoethane

Concen: 21.006 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

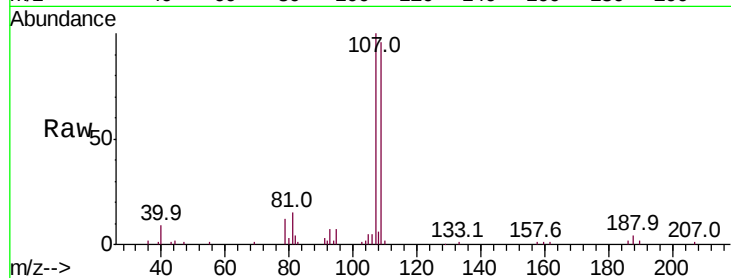
ClientSampleId :

Tot Ion:107 Resp: 60163

Ion Ratio Lower Upper

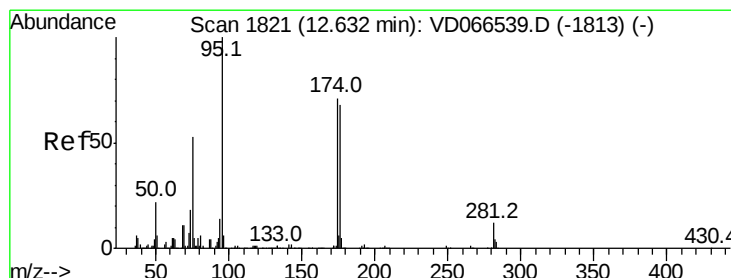
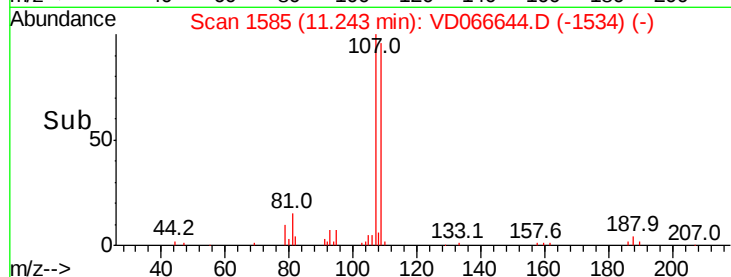
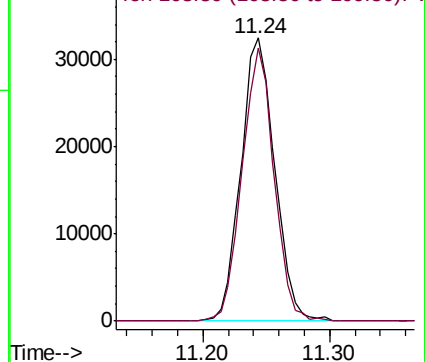
107 100

109 90.7 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.078 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

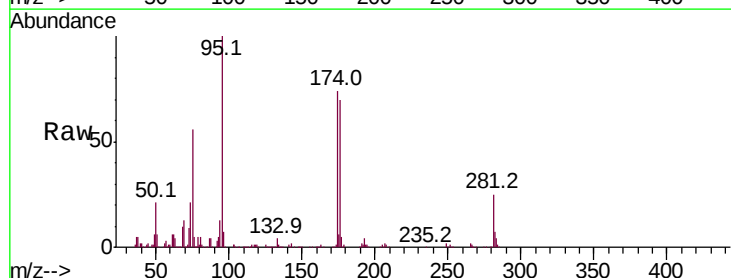
Tgt Ion: 95 Resp: 254967

Ion Ratio Lower Upper

95 100

174 76.2 0.0 155.8

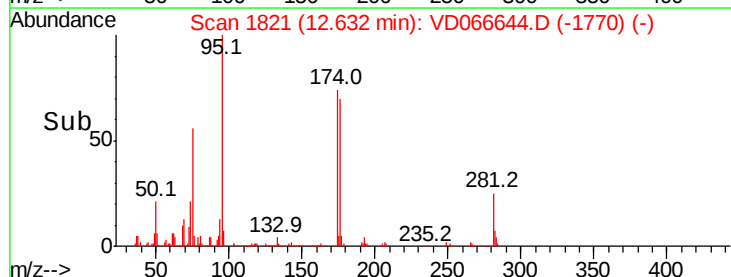
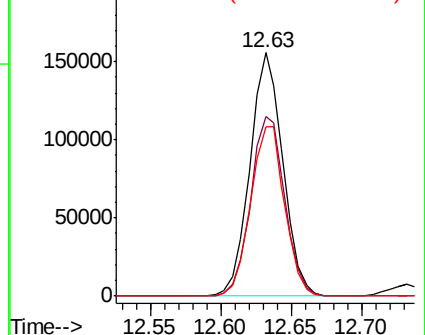
176 72.0 0.0 148.6

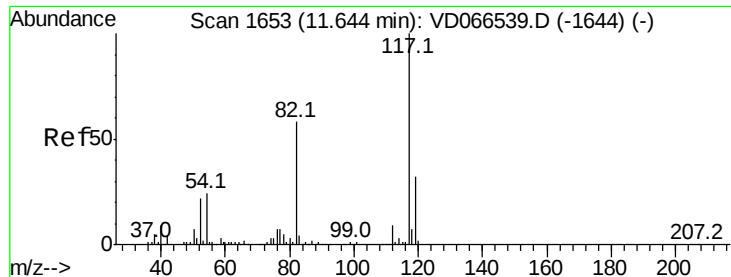


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

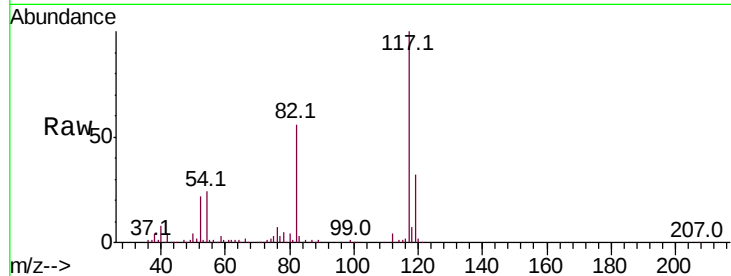




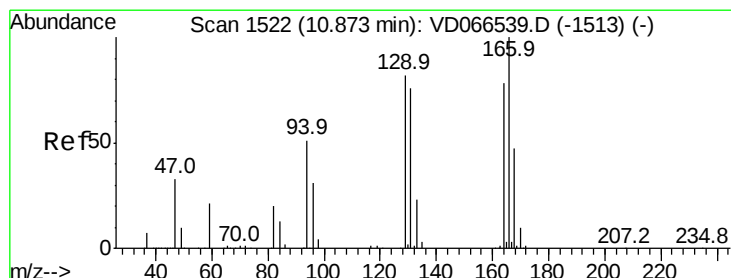
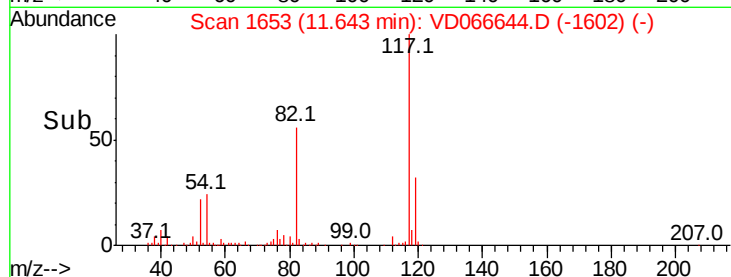
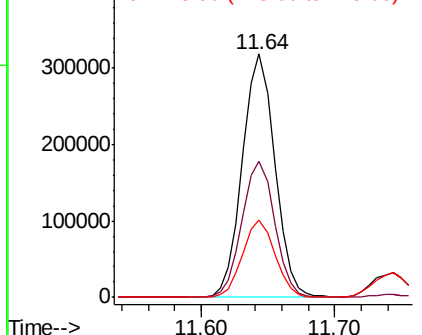
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 538709
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.2
119 31.9 25.8 38.8

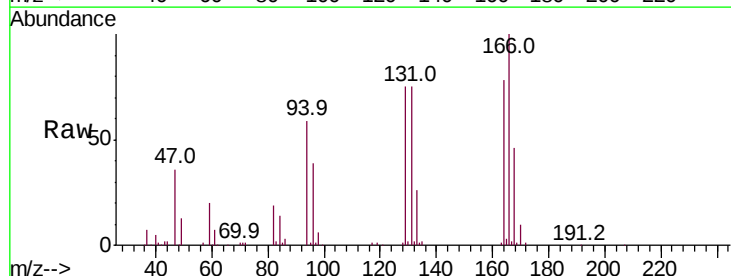


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

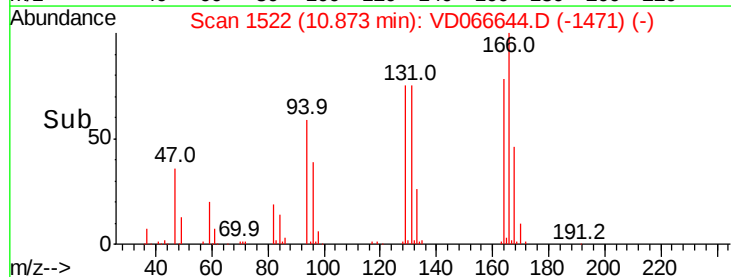
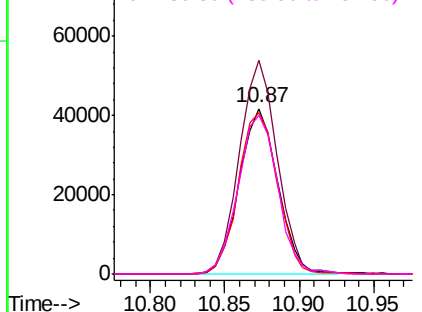


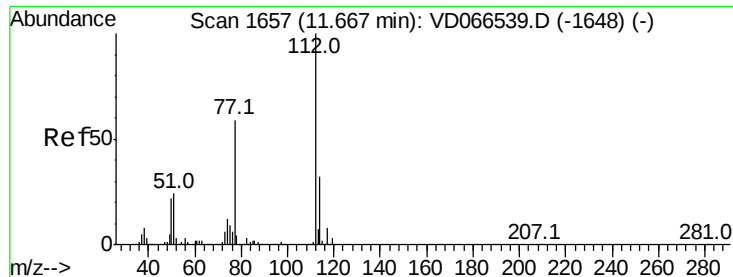
#64
Tetrachloroethene
Concen: 20.608 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion:164 Resp: 74748
Ion Ratio Lower Upper
164 100
166 129.0 103.2 154.8
129 97.2 84.5 126.7
131 96.2 78.9 118.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.246 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

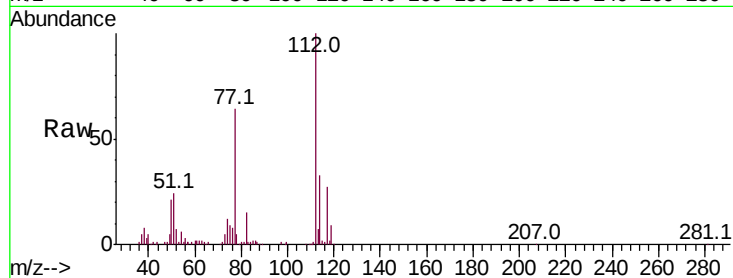
ClientSampled :

Tot Ion:112 Resp: 225101

Ion Ratio Lower Upper

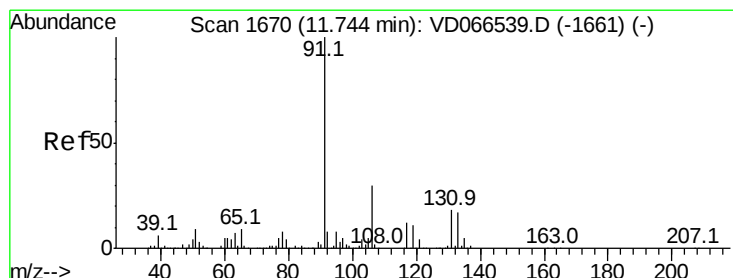
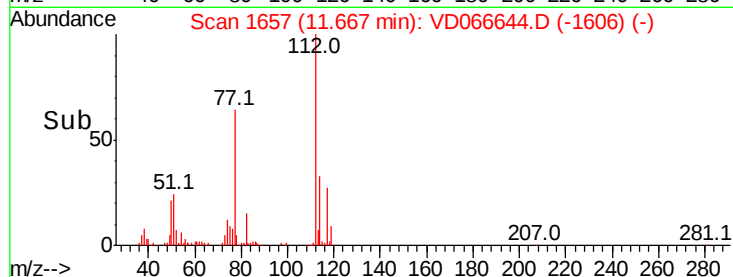
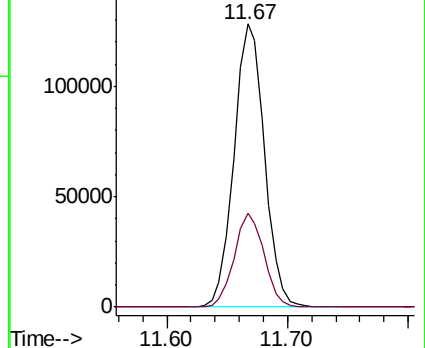
112 100

114 33.0 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.632 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

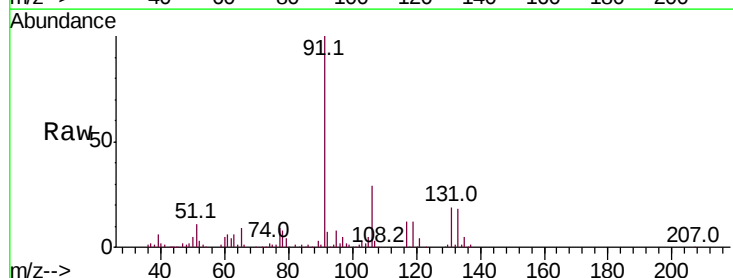
Tgt Ion:131 Resp: 87549

Ion Ratio Lower Upper

131 100

133 94.6 46.7 140.0

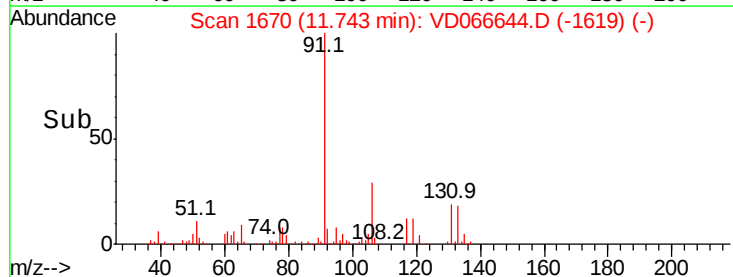
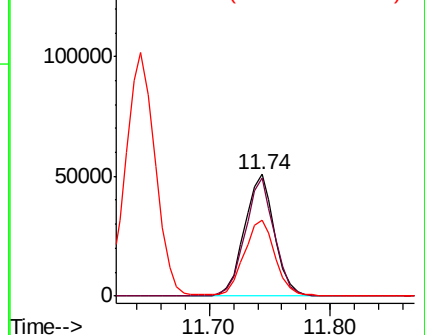
119 65.1 31.9 95.7

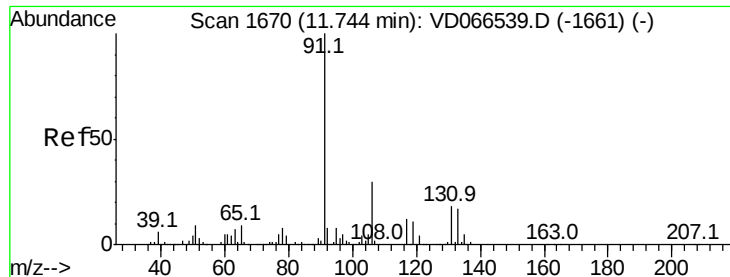


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

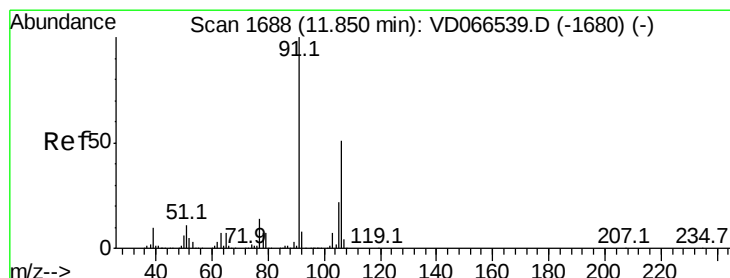
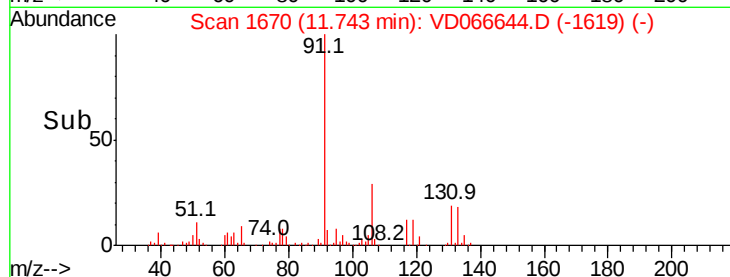
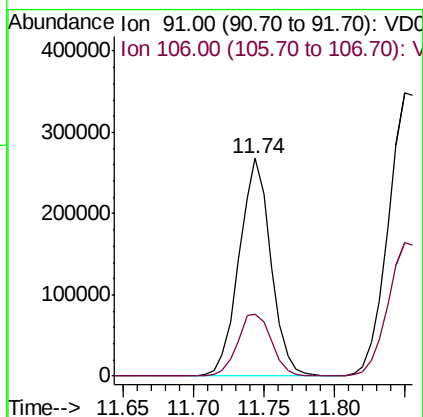
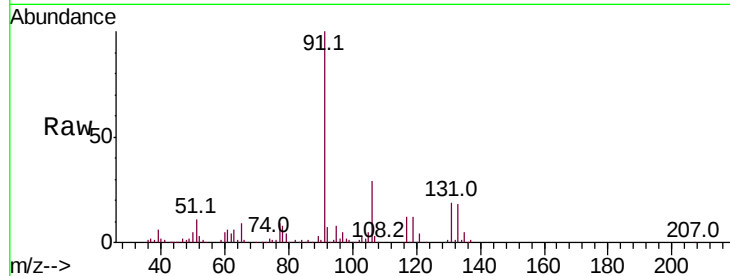




#67
Ethyl Benzene
Concen: 20.620 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

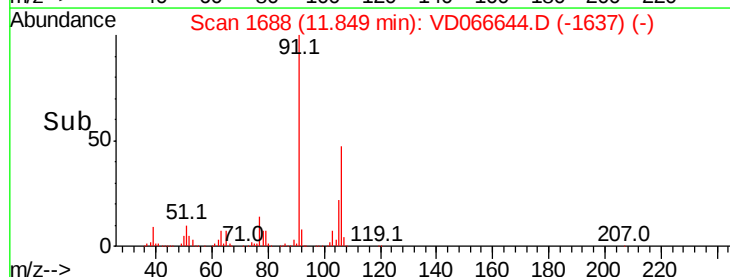
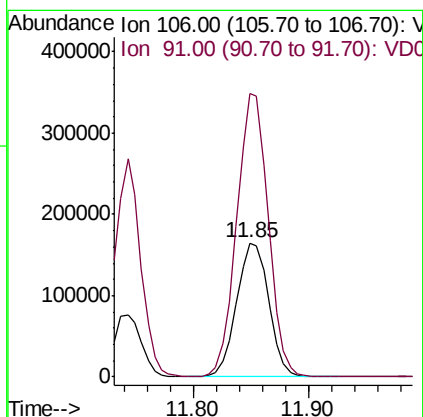
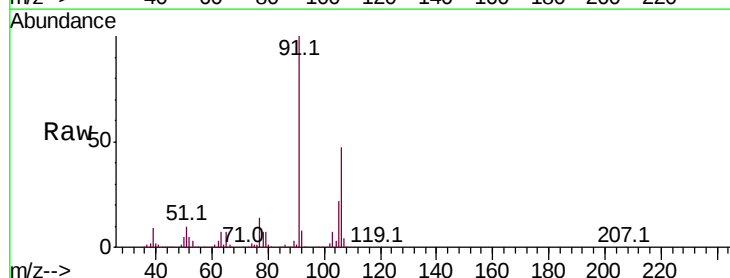
Instrument :
MSVOA_D
ClientSampleId :

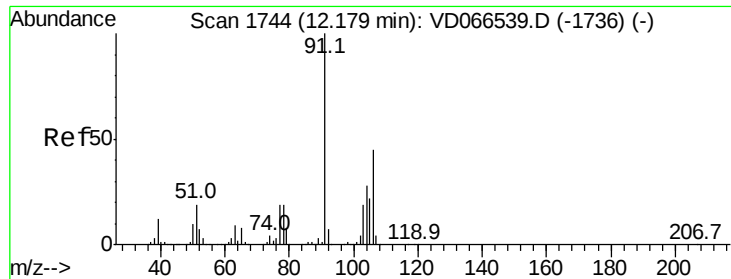
Tot Ion: 91 Resp: 420975
Ion Ratio Lower Upper
91 100
106 28.6 24.3 36.5



#68
m/p-Xylenes
Concen: 42.009 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion:106 Resp: 318446
Ion Ratio Lower Upper
106 100
91 207.4 162.4 243.6

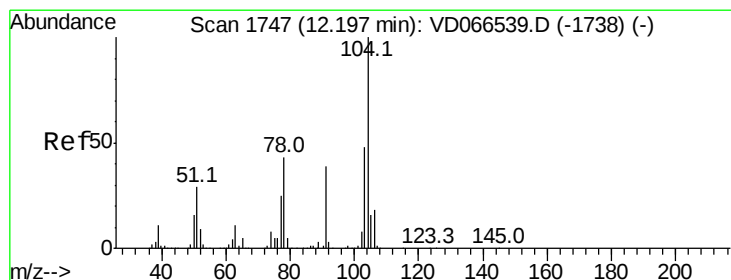
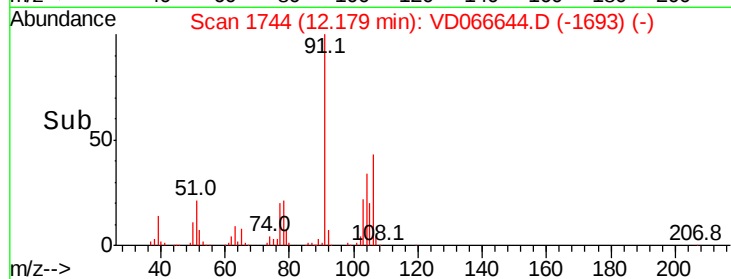
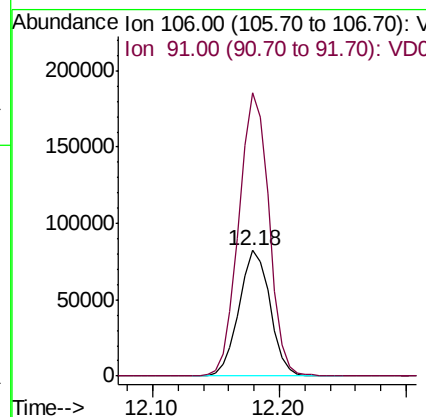
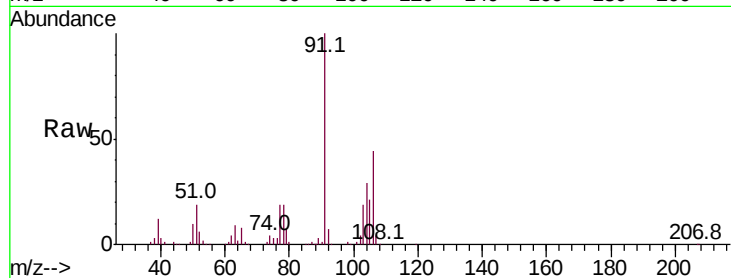




#69
o-Xylene
Concen: 20.490 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

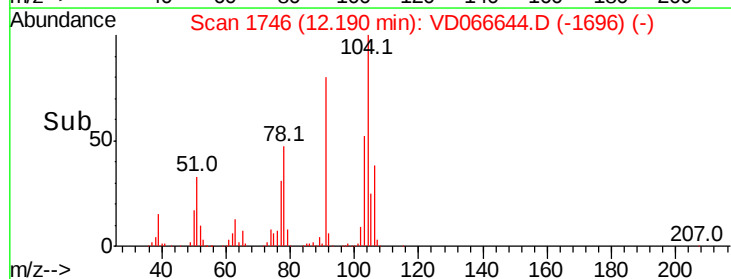
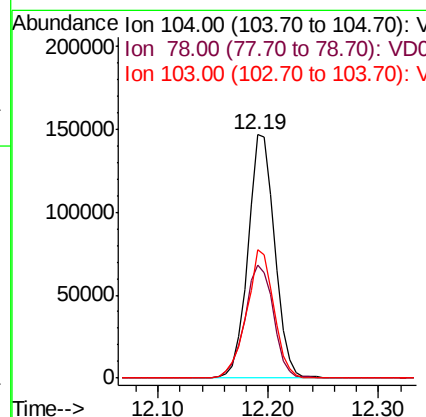
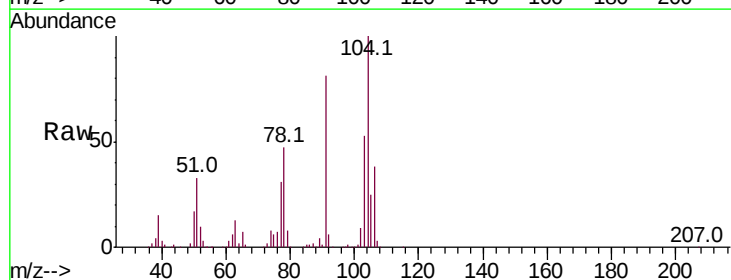
Instrument :
MSVOA_D
ClientSampleId :

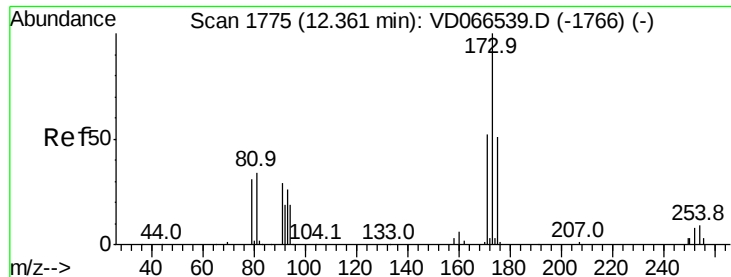
Tot Ion:106 Resp: 139202
Ion Ratio Lower Upper
106 100
91 219.0 107.9 323.8



#70
Styrene
Concen: 21.160 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion:104 Resp: 249916
Ion Ratio Lower Upper
104 100
78 50.0 40.7 61.1
103 53.8 42.9 64.3





#71

Bromoform

Concen: 20.466 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

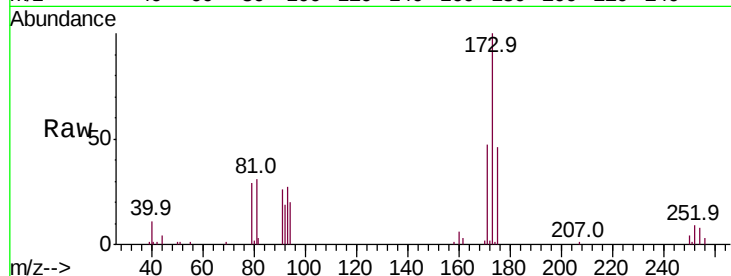
Tot Ion:173 Resp: 43767

Ion Ratio Lower Upper

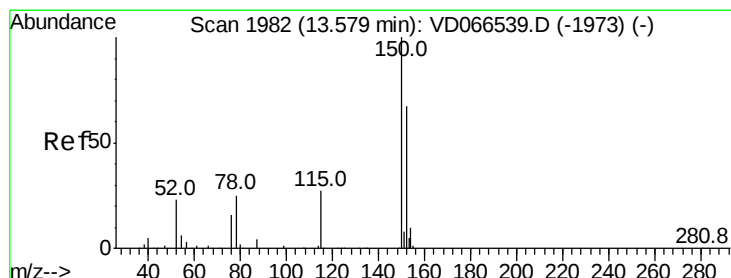
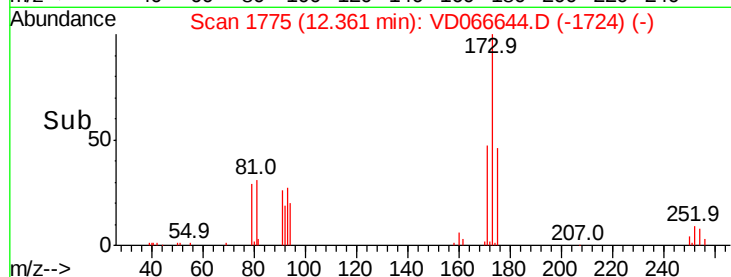
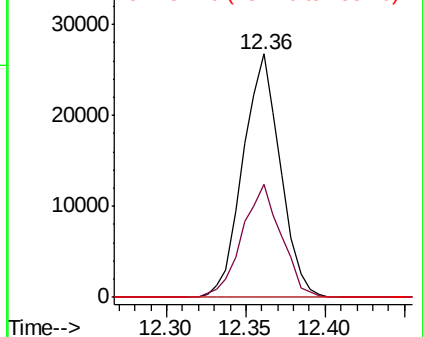
173 100

175 48.8 24.2 72.6

254 0.0 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: VD066644.D

Acq: 11 Sep 2020 13:17

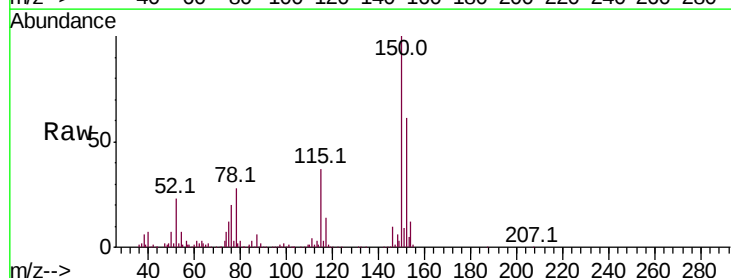
Tgt Ion:152 Resp: 256307

Ion Ratio Lower Upper

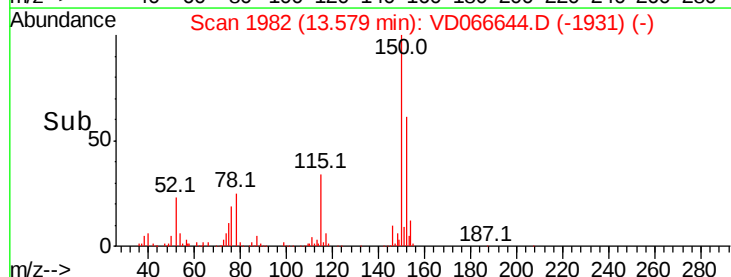
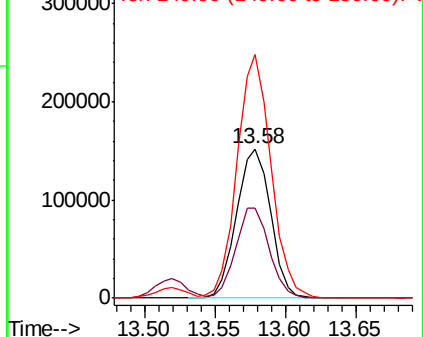
152 100

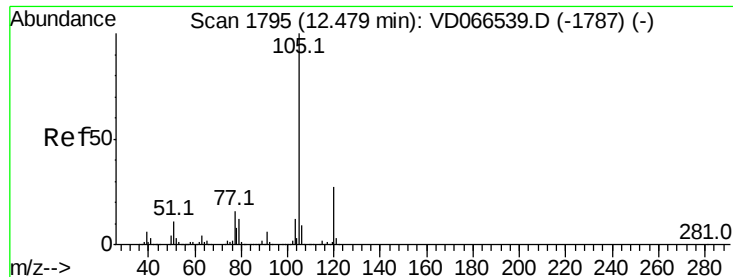
115 59.7 30.4 91.2

150 162.6 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: 20.524 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

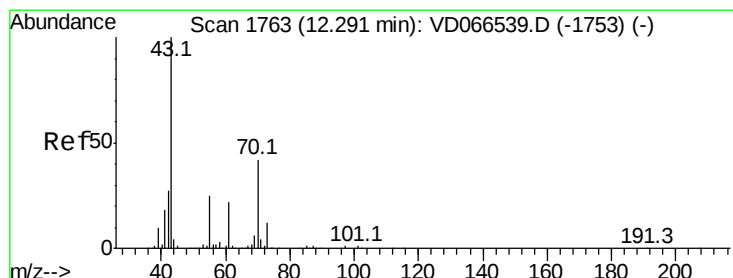
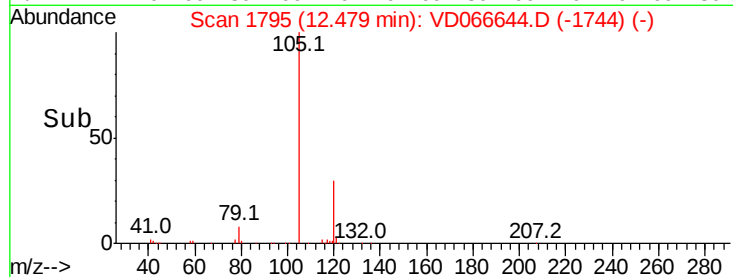
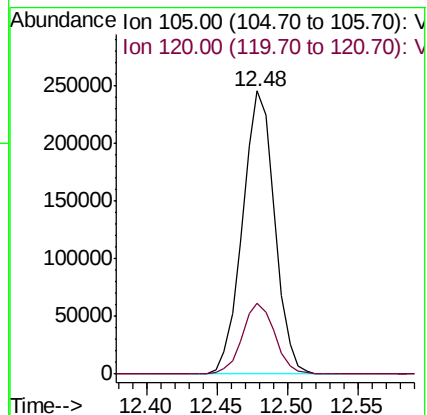
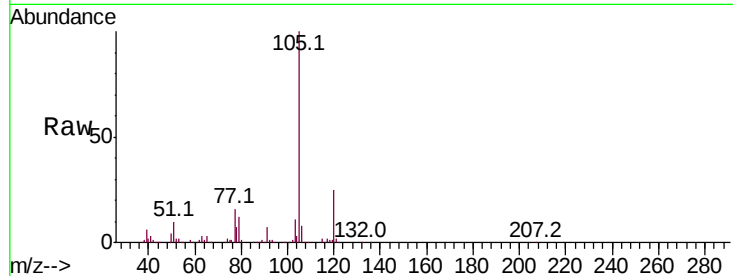
ClientSampleId :

Tot Ion:105 Resp: 389485

Ion Ratio Lower Upper

105 100

120 25.5 13.0 39.0



#74

N-ethyl acetate

Concen: 19.751 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Tgt Ion: 43 Resp: 84888

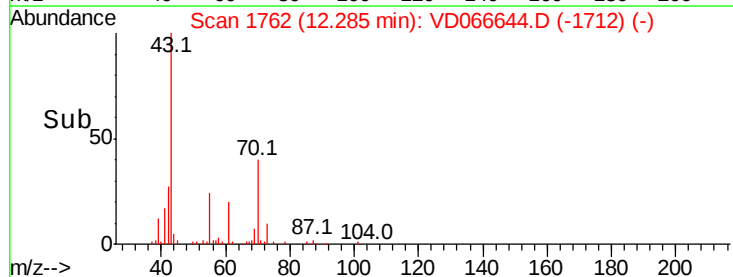
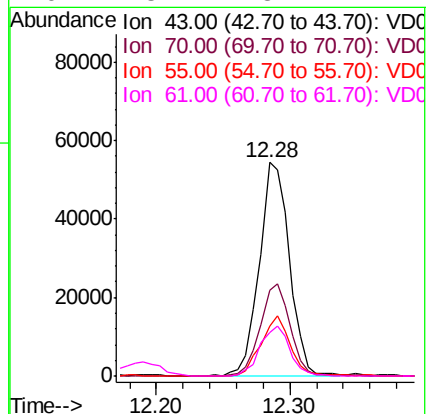
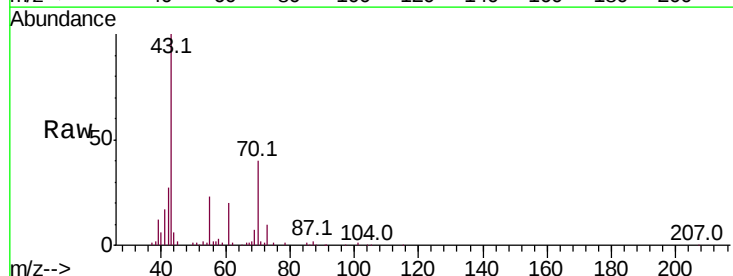
Ion Ratio Lower Upper

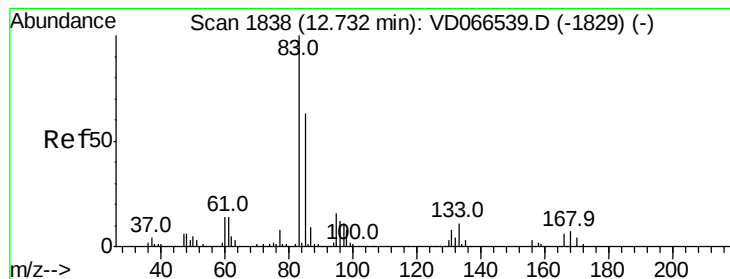
43 100

70 42.8 33.4 50.2

55 27.7 20.1 30.1

61 23.2 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.982 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampled :

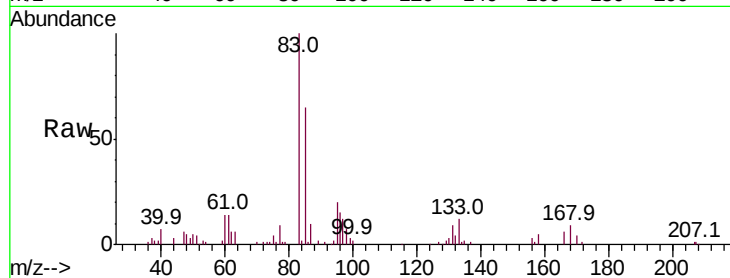
Tot Ion: 83 Resp: 66991

Ion Ratio Lower Upper

83 100

131 11.0 5.0 15.0

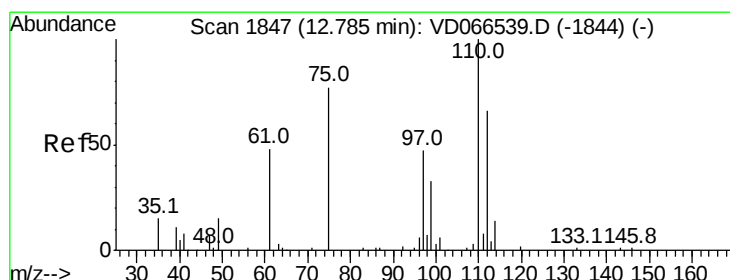
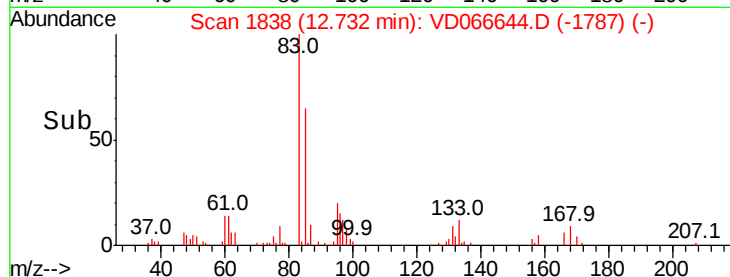
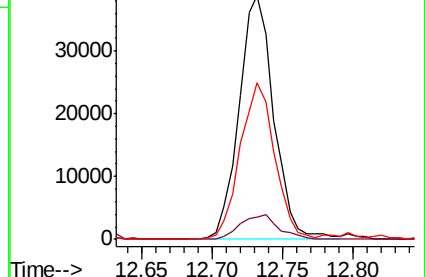
85 64.1 32.1 96.3



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: 37.478 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066644.D

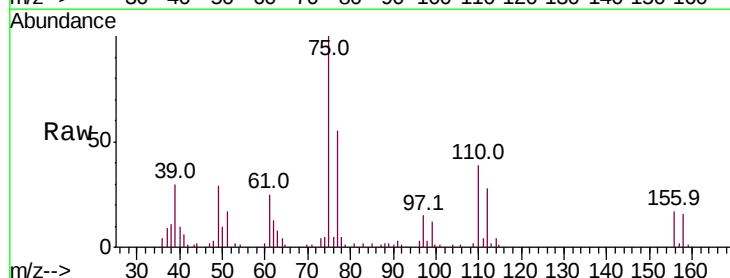
Acq: 11 Sep 2020 13:17

Tgt Ion: 75 Resp: 92384

Ion Ratio Lower Upper

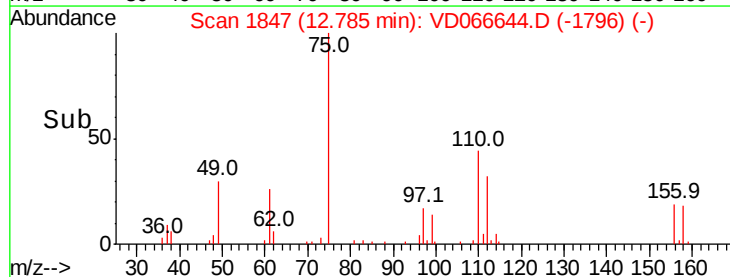
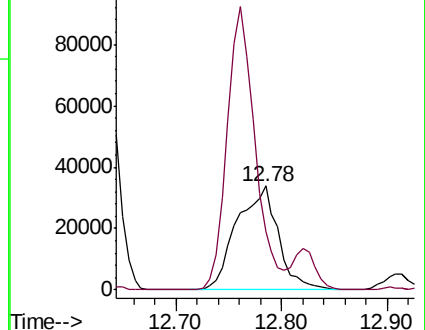
75 100

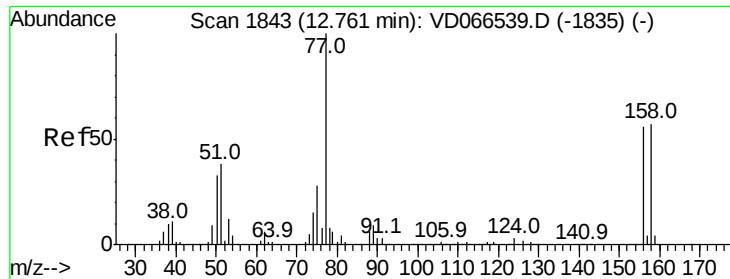
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.479 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleID :

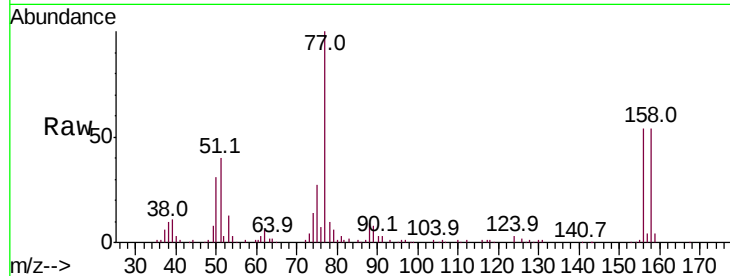
Tot Ion:156 Resp: 86639

Ion Ratio Lower Upper

156 100

77 196.4 98.0 294.1

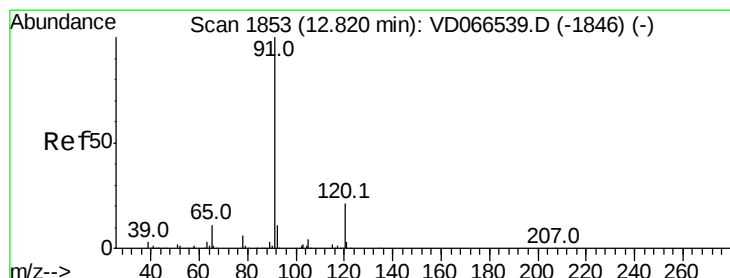
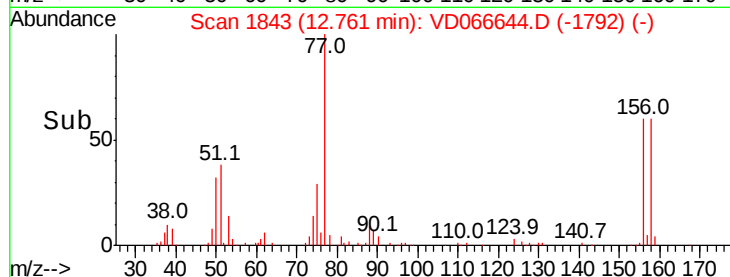
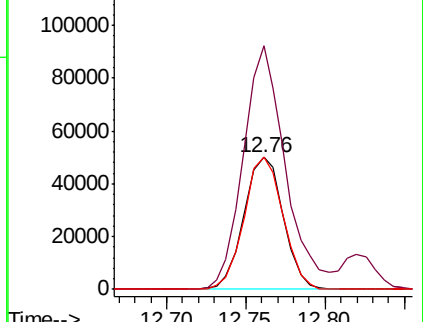
158 98.9 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.193 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066644.D

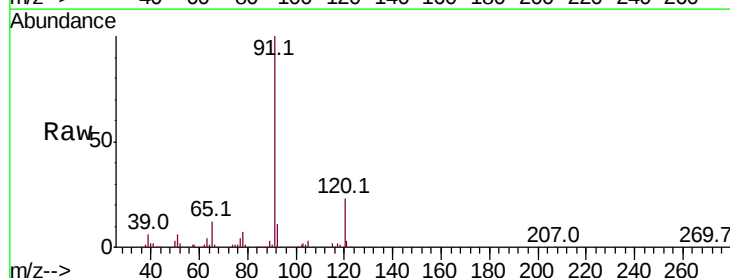
Acq: 11 Sep 2020 13:17

Tgt Ion: 91 Resp: 487526

Ion Ratio Lower Upper

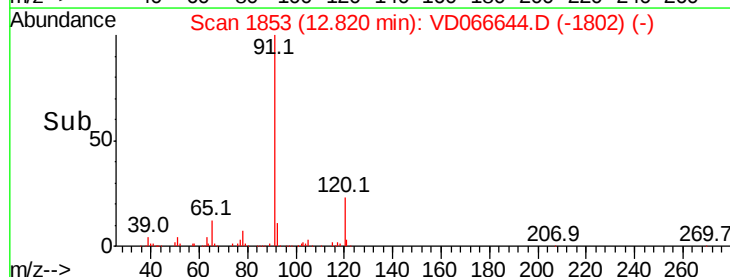
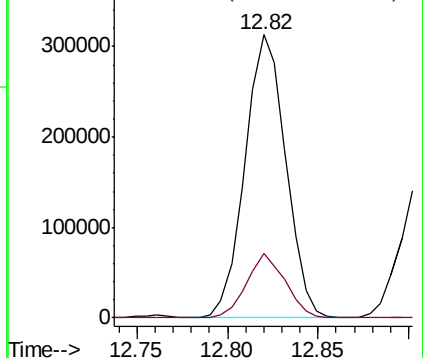
91 100

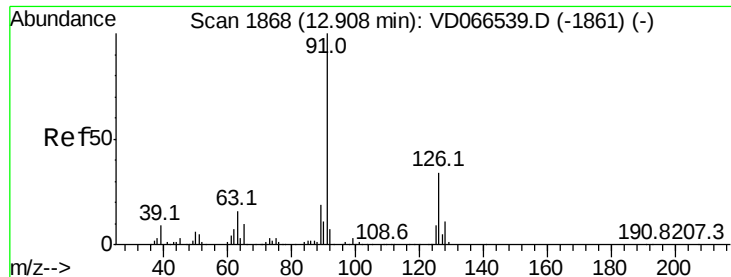
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.813 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

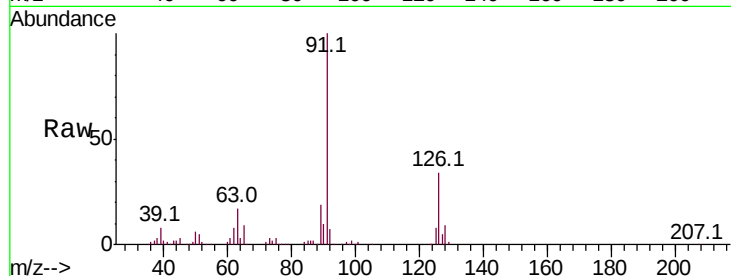
ClientSampleId :

Tot Ion: 91 Resp: 268607

Ion Ratio Lower Upper

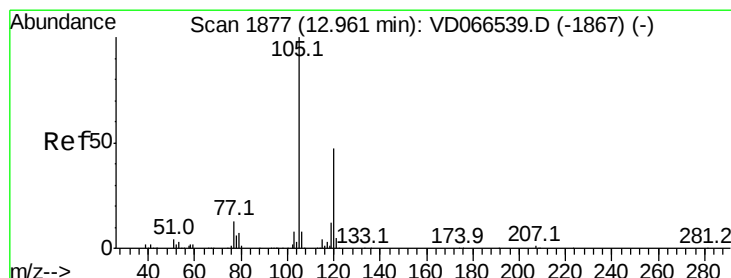
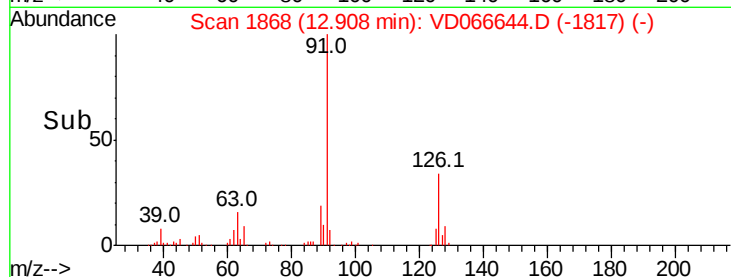
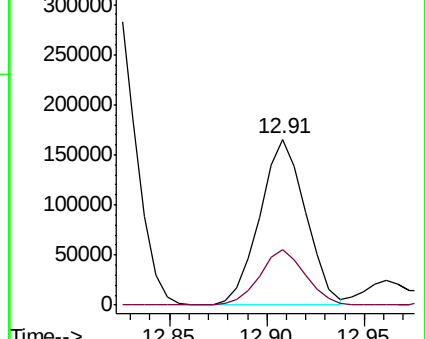
91 100

126 33.6 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: 21.053 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066644.D

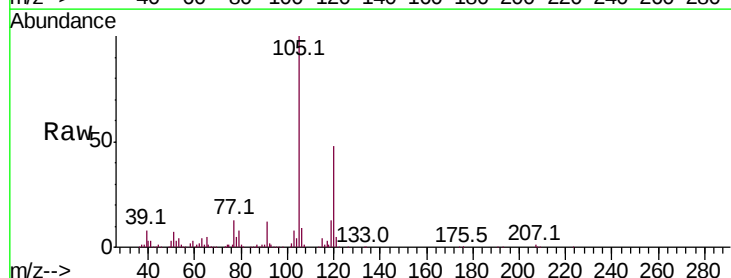
Acq: 11 Sep 2020 13:17

Tgt Ion:105 Resp: 336255

Ion Ratio Lower Upper

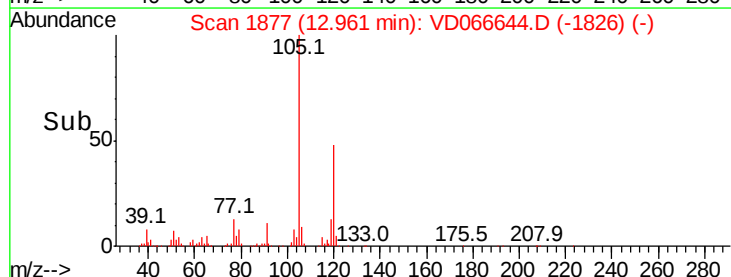
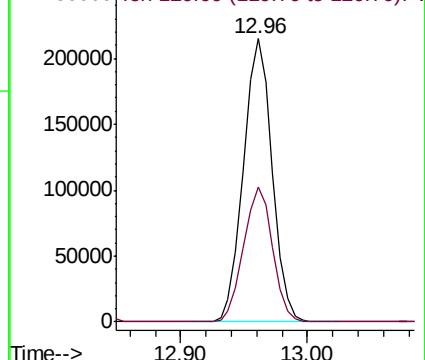
105 100

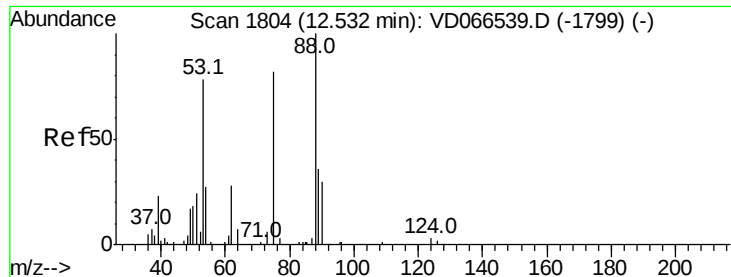
120 48.3 23.9 71.8



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: 20.326 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

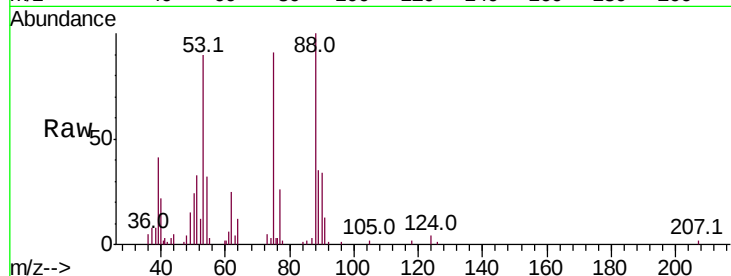
Tot Ion: 75 Resp: 21461

Ion Ratio Lower Upper

75 100

53 99.3 87.0 130.4

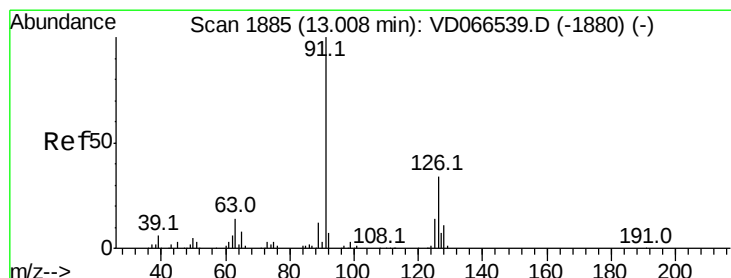
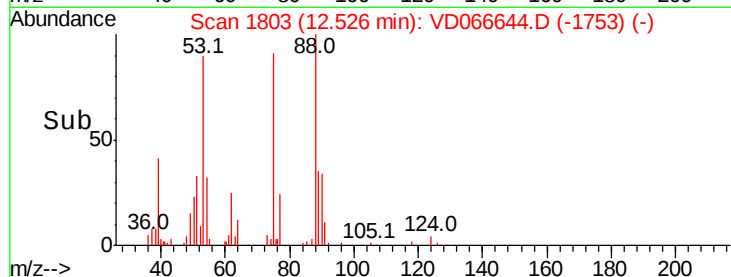
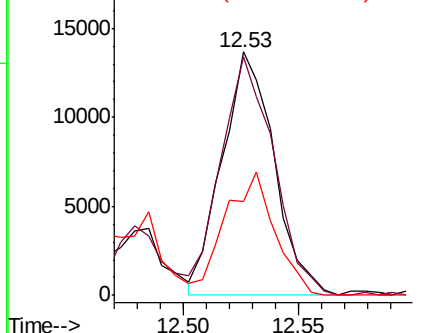
89 48.2 37.1 55.7



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: 21.087 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066644.D

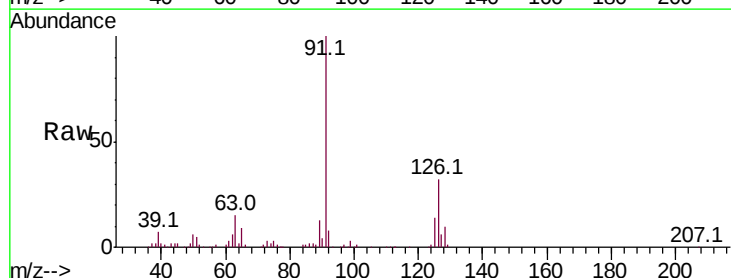
Acq: 11 Sep 2020 13:17

Tgt Ion: 91 Resp: 291009

Ion Ratio Lower Upper

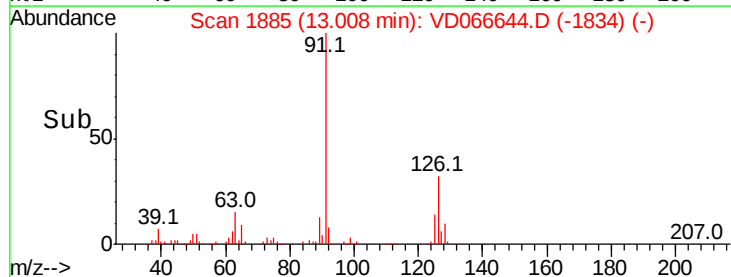
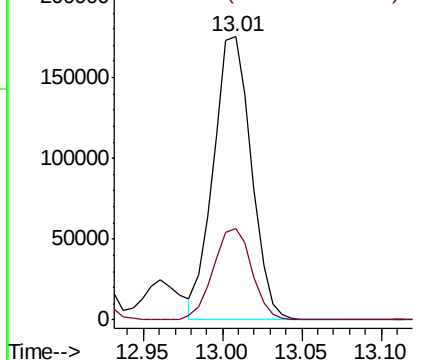
91 100

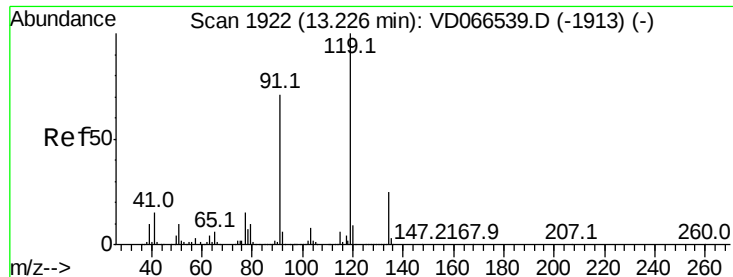
126 33.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

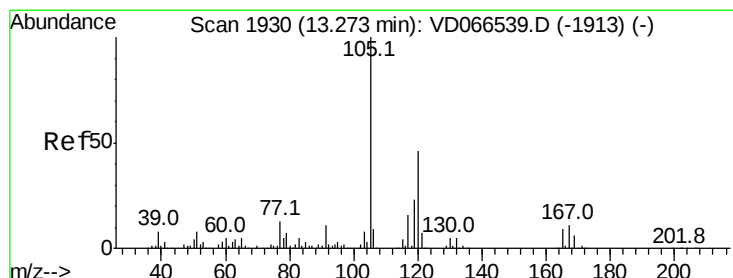
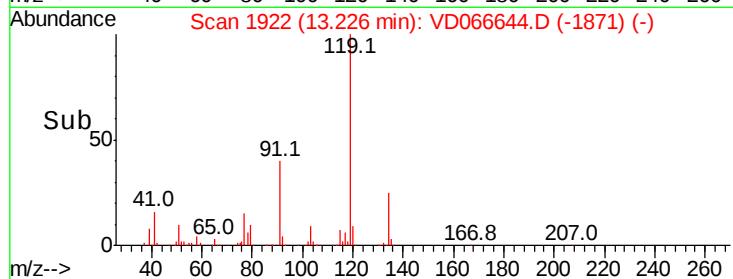
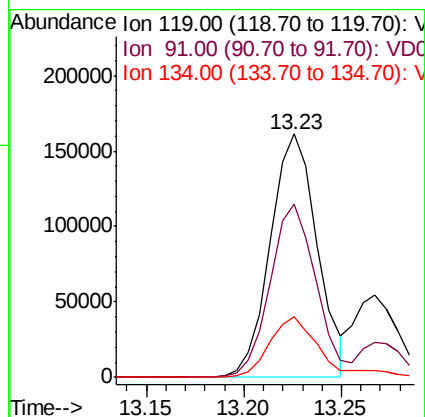
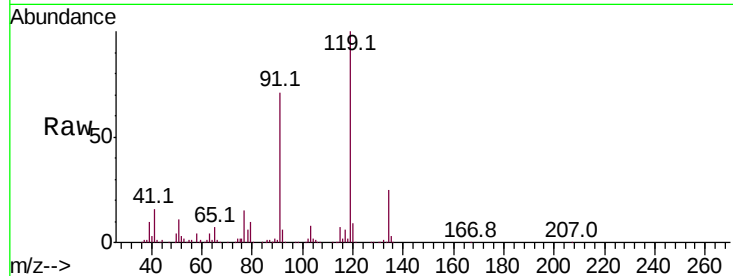




#83
tert-Butylbenzene
Concen: 20.600 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

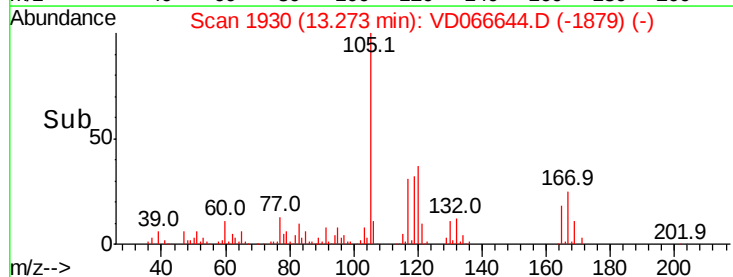
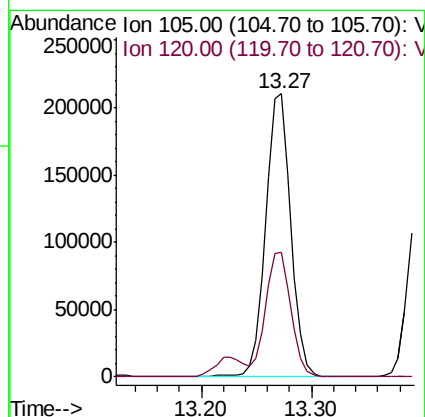
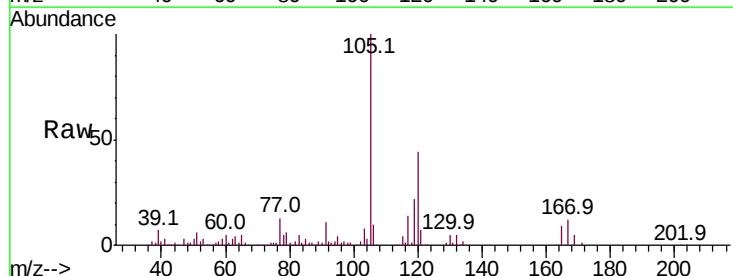
Instrument :
MSVOA_D
ClientSampled :

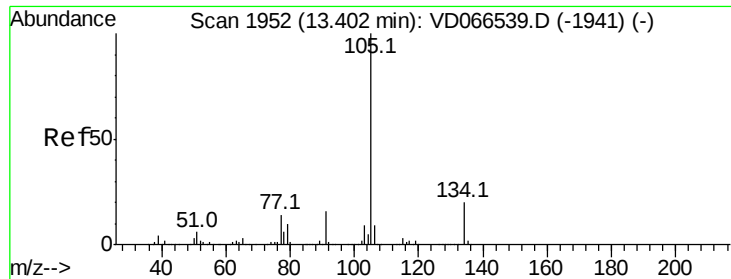
Tot Ion:119 Resp: 268688
Ion Ratio Lower Upper
119 100
91 70.0 35.2 105.6
134 27.0 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 21.148 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion:105 Resp: 336299
Ion Ratio Lower Upper
105 100
120 44.3 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.025 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

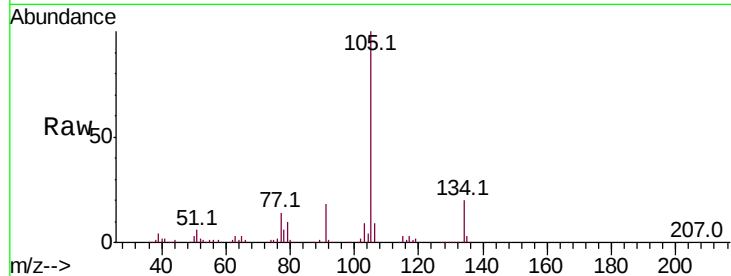
ClientSampled :

Tot Ion:105 Resp: 395086

Ion Ratio Lower Upper

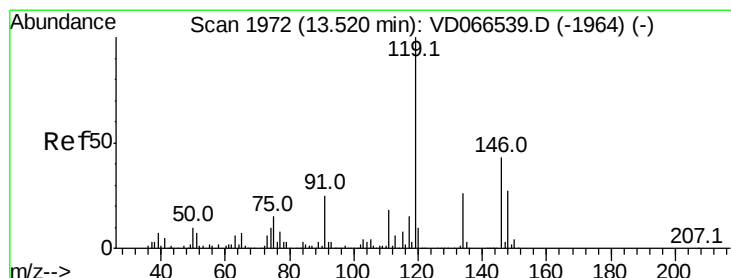
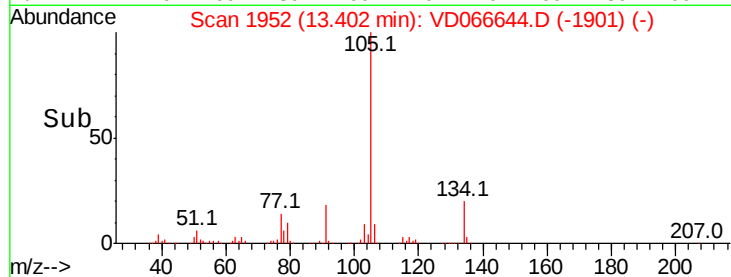
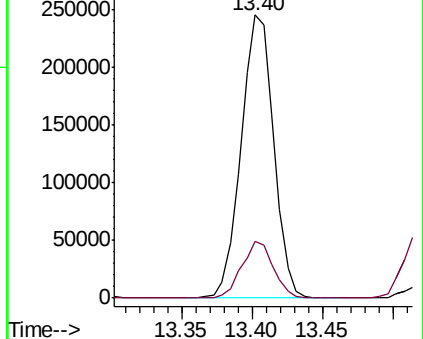
105 100

134 19.4 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: 21.255 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

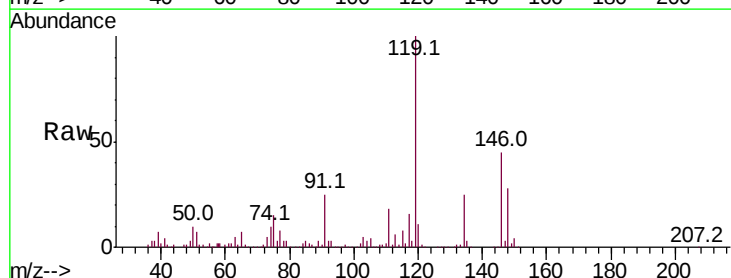
Tgt Ion:119 Resp: 359506

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

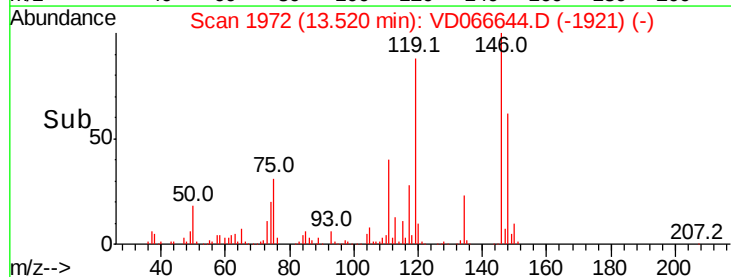
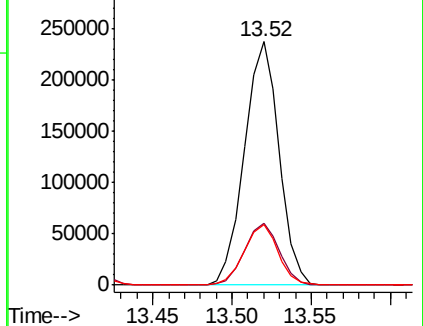
91 25.1 12.5 37.5

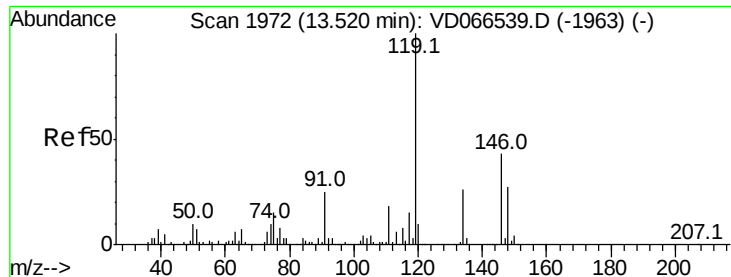


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.942 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066644.D

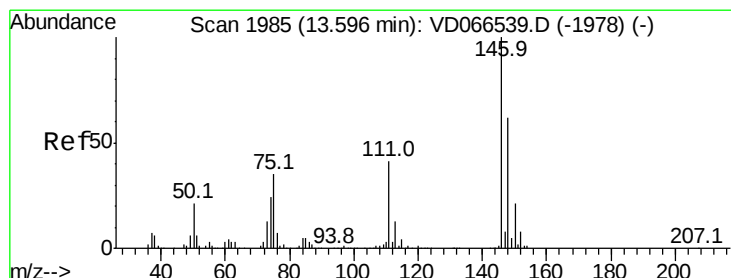
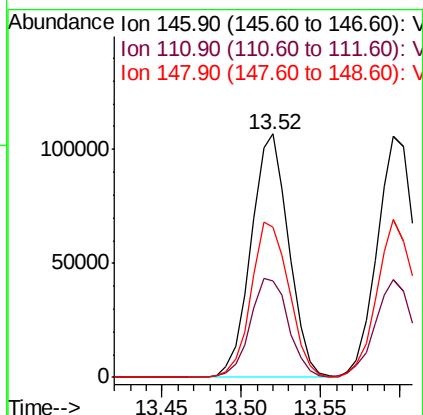
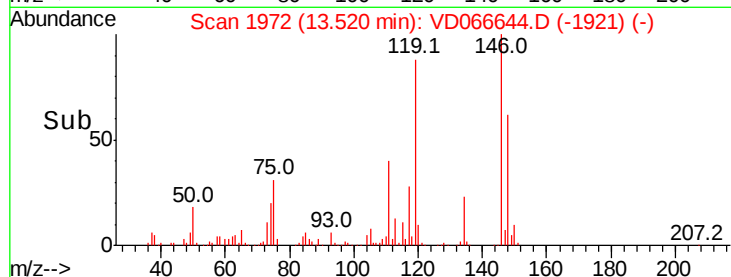
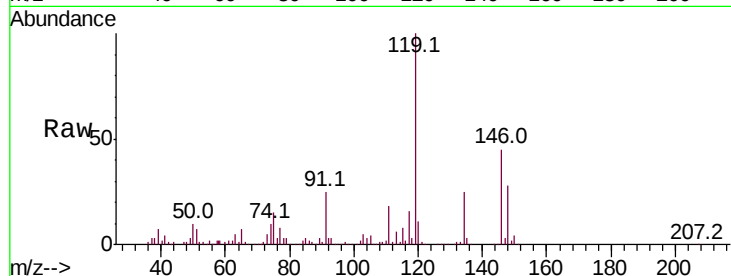
Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146	Resp:	175897
Ion	Ratio	Lower Upper
146	100	
111	41.4	20.6 61.9
148	64.3	32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 20.834 ug/l

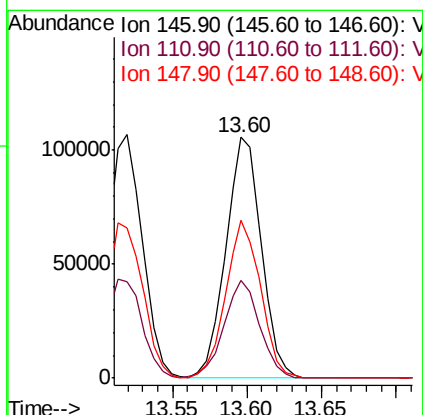
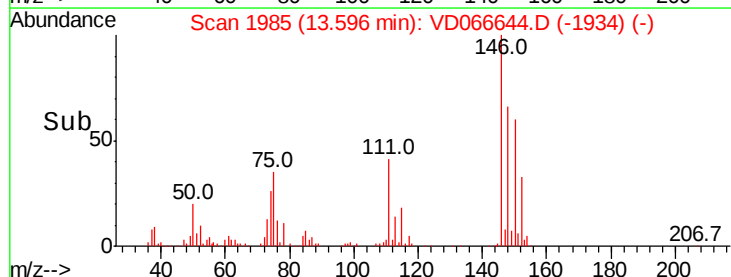
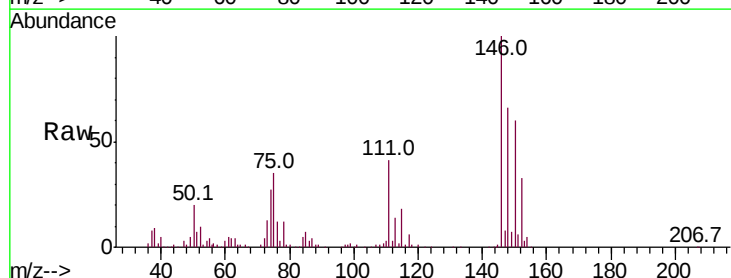
RT: 13.60 min Scan# 1985

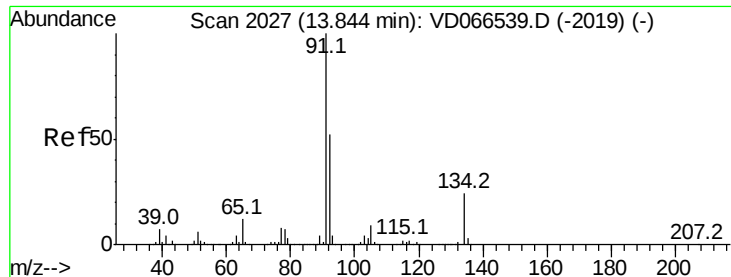
Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Tgt Ion:146	Resp:	175634
Ion	Ratio	Lower Upper
146	100	
111	41.0	20.1 60.2
148	64.2	31.6 94.8

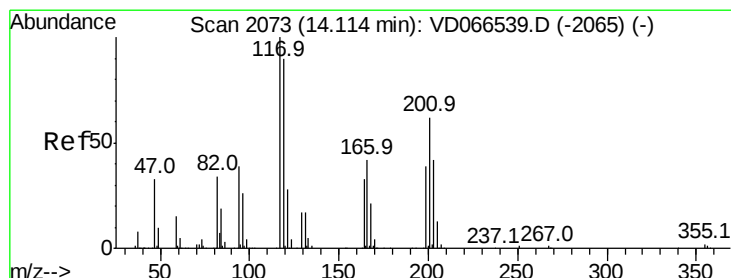
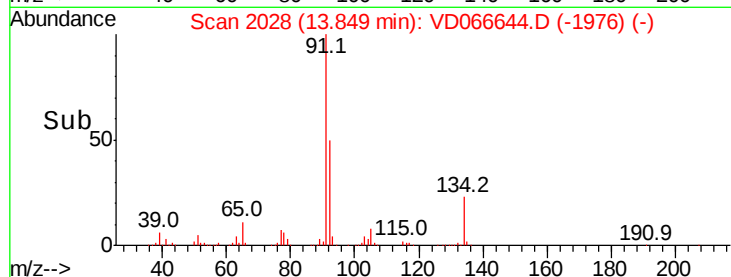
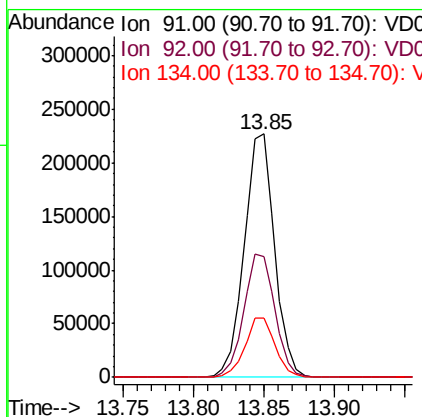
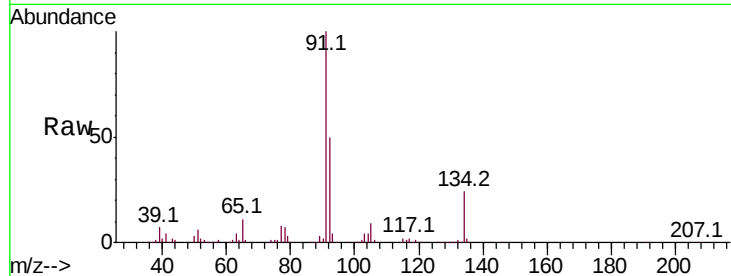




#89
n-Butylbenzene
Concen: 20.722 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

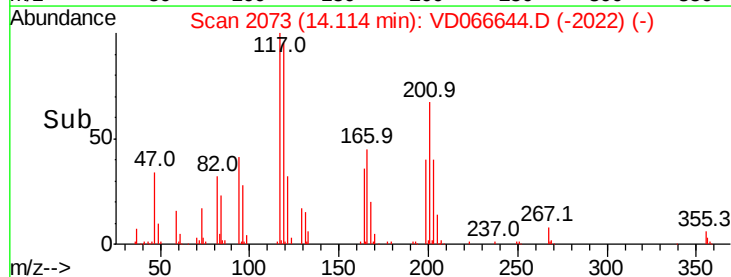
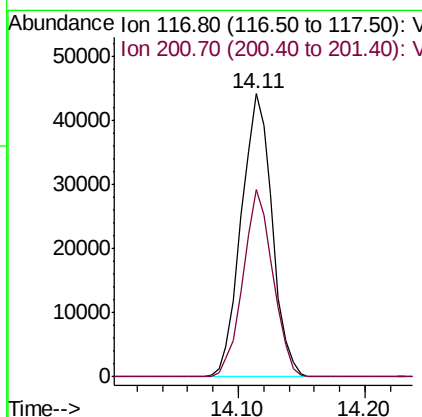
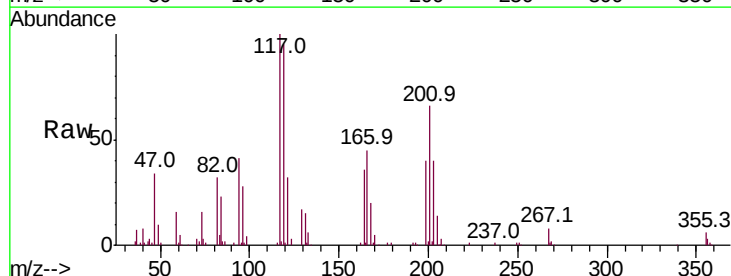
Instrument :
MSVOA_D
ClientSampleID :

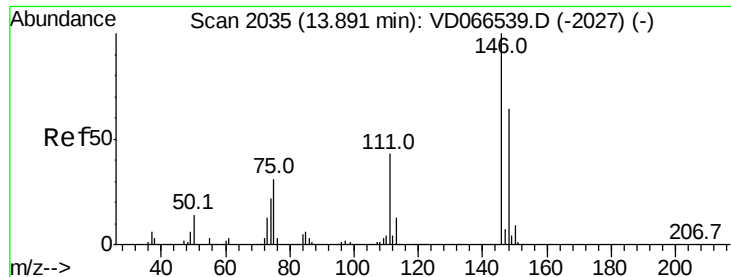
Tot Ion: 91 Resp: 341535
Ion Ratio Lower Upper
91 100
92 51.5 26.5 79.5
134 24.4 12.1 36.3



#90
Hexachloroethane
Concen: 20.497 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion: 117 Resp: 74698
Ion Ratio Lower Upper
117 100
201 64.1 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 20.126 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

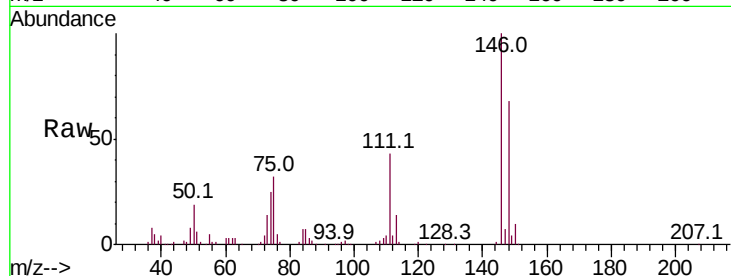
Tot Ion:146 Resp: 147753

Ion Ratio Lower Upper

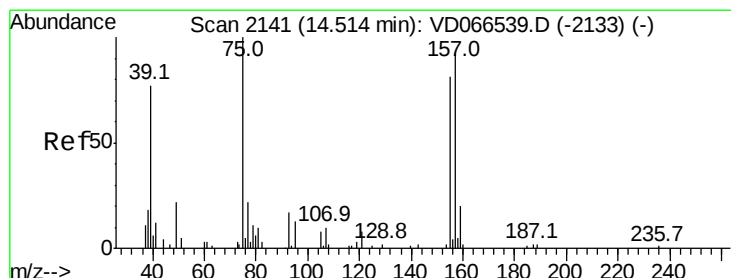
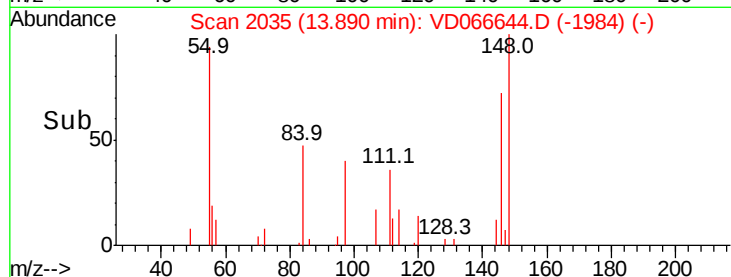
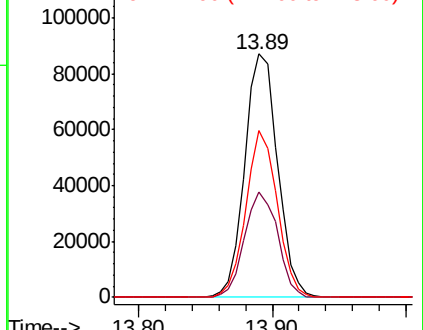
146 100

111 43.9 21.1 63.4

148 65.5 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.710 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD066644.D

Acq: 11 Sep 2020 13:17

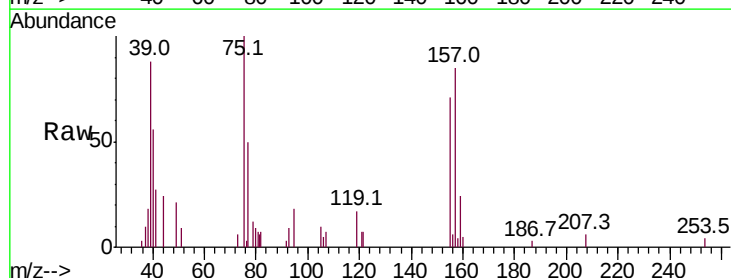
Tgt Ion: 75 Resp: 11225

Ion Ratio Lower Upper

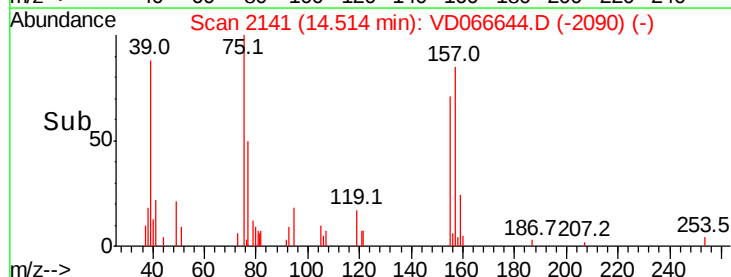
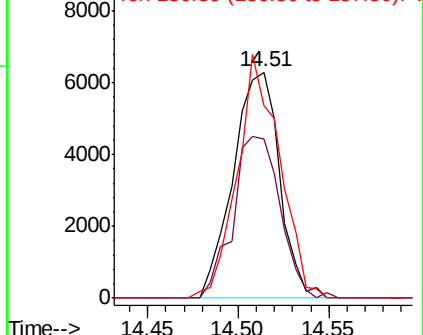
75 100

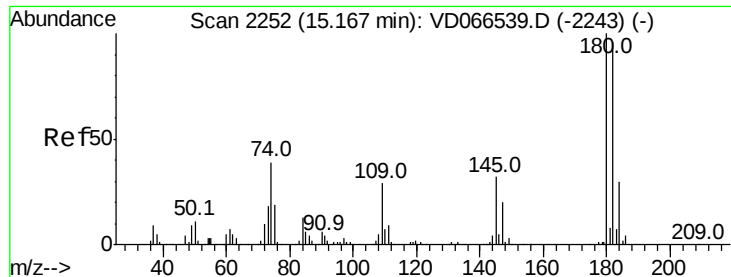
155 72.8 39.3 117.8

157 97.7 46.0 137.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

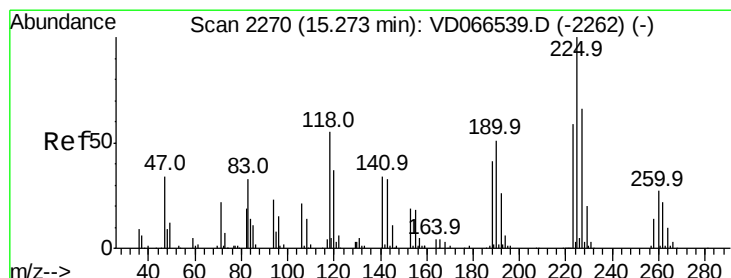
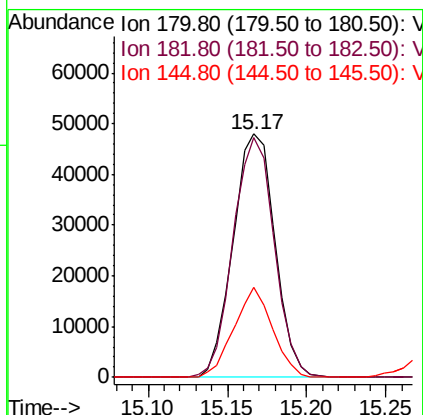
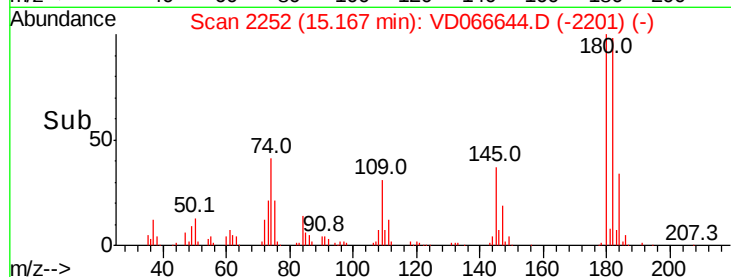
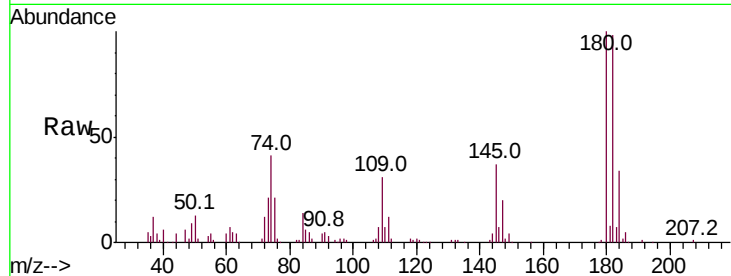




#93
 1,2,4-Trichlorobenzene
 Concen: 19.946 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

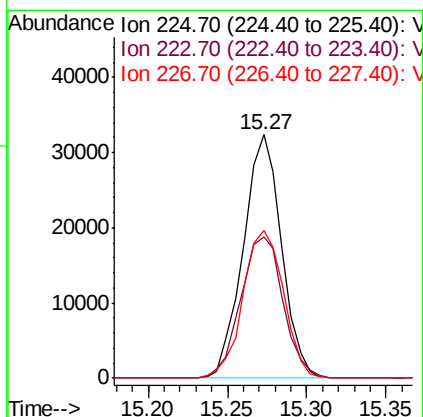
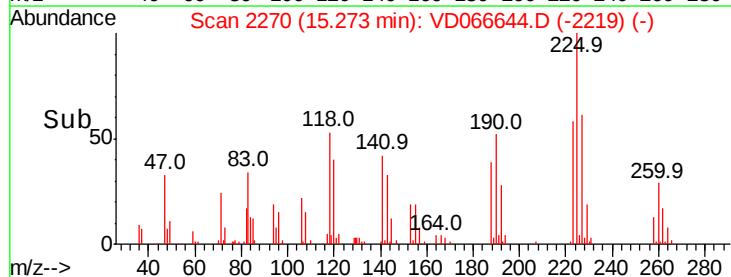
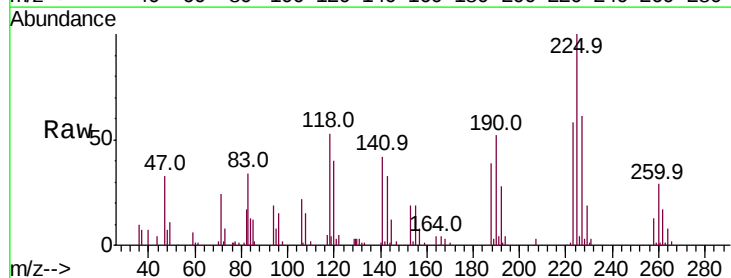
Instrument :
 MSVOA_D
 ClientSampleId :

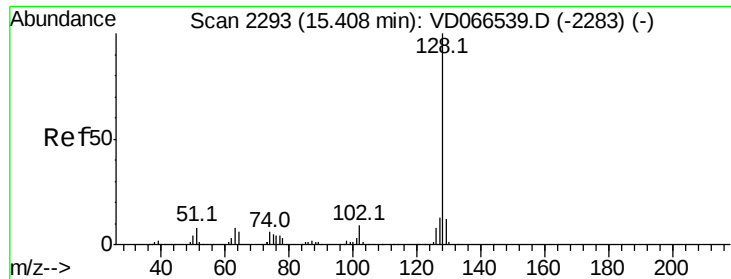
Tot Ion:180 Resp: 87882
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.4 145.0
 145 34.0 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 20.485 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066644.D
 Acq: 11 Sep 2020 13:17

Tgt Ion:225 Resp: 54222
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.5 91.5
 227 64.7 32.4 97.2

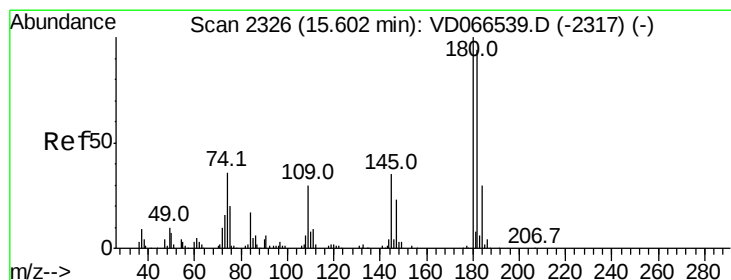
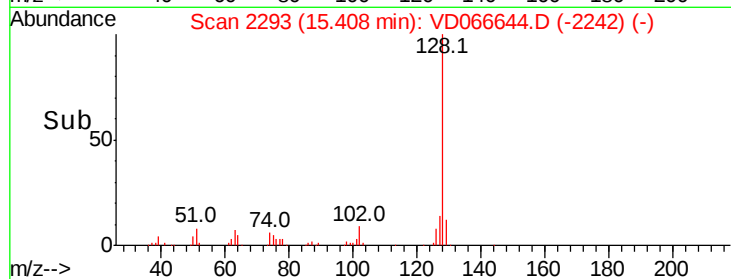
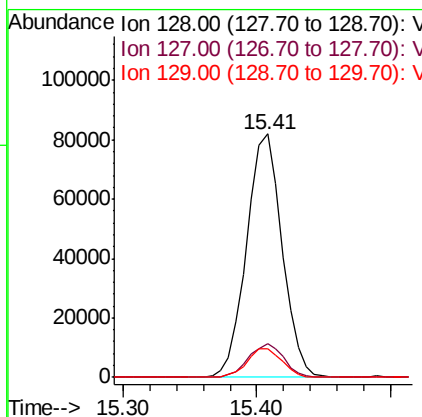
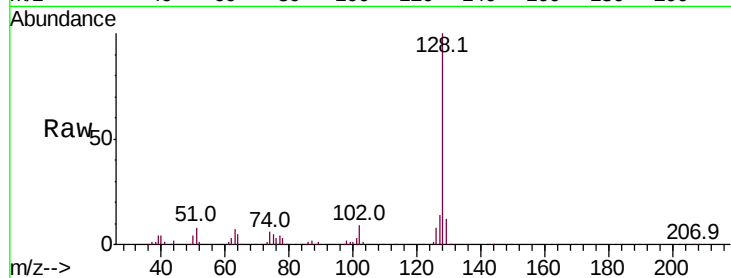




#95
Naphthalene
Concen: 19.541 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 150450
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.8 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 20.145 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066644.D
Acq: 11 Sep 2020 13:17

Tgt Ion:180 Resp: 75670
Ion Ratio Lower Upper
180 100
182 98.8 47.9 143.6
145 36.5 17.3 51.7

