

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066557.D
 Acq On : 04 Sep 2020 12:32
 Operator : VA/SY
 Sample : VD0904SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Quant Time: Sep 05 03:46:07 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	368413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	608905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	548007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	238032	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
35) Dibromofluoromethane	7.91	113	218136	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.34	98	801238	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.63	95	265954	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75013	22.488	ug/l	89
3) Chloromethane	2.21	50	102178	21.931	ug/l	97
4) Vinyl Chloride	2.35	62	110774	21.437	ug/l	99
5) Bromomethane	2.76	94	72031	19.251	ug/l #	76
6) Chloroethane	2.91	64	67685	20.622	ug/l	95
7) Trichlorofluoromethane	3.27	101	159109	20.843	ug/l	96
8) Diethyl Ether	3.70	74	37999	19.767	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84937	20.558	ug/l	98
10) Methyl Iodide	4.30	142	66569	20.266	ug/l	98
11) Tert butyl alcohol	5.21	59	37885	110.550	ug/l #	81
12) 1,1-Dichloroethene	4.06	96	77833	20.969	ug/l	91
13) Acrolein	3.93	56	18601	102.059	ug/l	85
14) Allyl chloride	4.71	41	123867	20.362	ug/l	98
15) Acrylonitrile	5.41	53	86661	104.945	ug/l #	88
16) Acetone	4.16	43	88035	107.339	ug/l	98
17) Carbon Disulfide	4.41	76	255962	20.977	ug/l	97
18) Methyl Acetate	4.71	43	40055	20.487	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	181993	20.908	ug/l	93
20) Methylene Chloride	4.96	84	104404	19.294	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	88423	20.061	ug/l	97
22) Diisopropyl ether	6.36	45	268291	21.447	ug/l	97
23) Vinyl Acetate	6.30	43	753534	105.851	ug/l	98
24) 1,1-Dichloroethane	6.26	63	164533	20.915	ug/l	98
25) 2-Butanone	7.21	43	115231	104.663	ug/l	99
26) 2,2-Dichloropropane	7.20	77	150218	20.817	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	95535	20.155	ug/l	97
28) Bromochloromethane	7.54	49	56945	18.802	ug/l	99
29) Tetrahydrofuran	7.56	42	72020	105.035	ug/l	99
30) Chloroform	7.70	83	174018	20.909	ug/l	98
31) Cyclohexane	7.99	56	149137	20.509	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	157397	20.115	ug/l	100
36) 1,1-Dichloropropene	8.11	75	130925	20.661	ug/l	98
37) Ethyl Acetate	7.29	43	53110	21.048	ug/l	99
38) Carbon Tetrachloride	8.09	117	140084	20.914	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066557.D
 Acq On : 04 Sep 2020 12:32
 Operator : VA/SY
 Sample : VD0904SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
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Quant Time: Sep 05 03:46:07 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)
39) Methylcyclohexane	9.35	83	143223	20.241	ug/l	99
40) Benzene	8.34	78	352831	20.330	ug/l	96
41) Methacrylonitrile	7.52	41	23858	19.533	ug/l #	60
42) 1,2-Dichloroethane	8.42	62	117029	20.812	ug/l	99
43) Isopropyl Acetate	8.44	43	100056	20.691	ug/l	99
44) Trichloroethene	9.11	130	94160	20.683	ug/l	98
45) 1,2-Dichloropropane	9.38	63	90240	20.676	ug/l	94
46) Dibromomethane	9.47	93	47437	19.700	ug/l	96
47) Bromodichloromethane	9.66	83	132411	20.325	ug/l	96
48) Methyl methacrylate	9.45	41	51135	20.913	ug/l	95
49) 1,4-Dioxane	9.46	88	11410	431.917	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	250905	102.883	ug/l	99
52) Toluene	10.40	92	226167	20.587	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	118493	20.604	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	140864	20.396	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65042	21.008	ug/l	96
56) Ethyl methacrylate	10.66	69	72739	20.178	ug/l	93
57) 1,3-Dichloropropane	10.94	76	114276	21.073	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	190692	115.653	ug/l	98
59) 2-Hexanone	10.98	43	172085	104.929	ug/l	100
60) Dibromochloromethane	11.14	129	87581	21.392	ug/l	97
61) 1,2-Dibromoethane	11.24	107	62632	20.794	ug/l	98
64) Tetrachloroethene	10.87	164	73881	20.023	ug/l	93
65) Chlorobenzene	11.67	112	236229	20.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	89928	20.833	ug/l	97
67) Ethyl Benzene	11.74	91	424950	20.462	ug/l	98
68) m/p-Xylenes	11.85	106	318026	41.242	ug/l	97
69) o-Xylene	12.18	106	140942	20.394	ug/l	99
70) Styrene	12.20	104	250943	20.887	ug/l	99
71) Bromoform	12.36	173	44068	20.257	ug/l #	96
73) Isopropylbenzene	12.48	105	395327	20.811	ug/l	100
74) N-amyl acetate	12.29	43	92564	21.514	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	68441	20.394	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	94722	38.387	ug/l #	100
77) Bromobenzene	12.76	156	86732	20.479	ug/l	99
78) n-propylbenzene	12.82	91	486944	21.145	ug/l	99
79) 2-Chlorotoluene	12.91	91	273557	21.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	338680	21.183	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22459	21.249	ug/l	97
82) 4-Chlorotoluene	13.01	91	292622	21.182	ug/l	100
83) tert-Butylbenzene	13.23	119	271863	20.822	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	335806	21.095	ug/l	98
85) sec-Butylbenzene	13.40	105	387084	20.578	ug/l	99
86) p-Isopropyltoluene	13.52	119	357002	21.086	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	175298	20.849	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	172375	20.426	ug/l	98
89) n-Butylbenzene	13.85	91	338275	20.503	ug/l	99
90) Hexachloroethane	14.11	117	74256	20.355	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	151956	20.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12283	21.546	ug/l	94

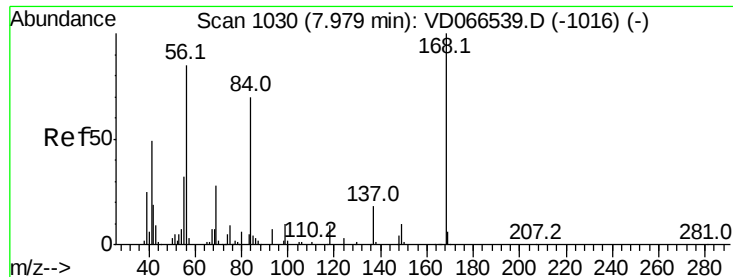
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090420\
Data File : VD066557.D
Acq On : 04 Sep 2020 12:32
Operator : VA/SY
Sample : VD0904SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Sep 05 03:46:07 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	90847	20.598	ug/l	97
94) Hexachlorobutadiene	15.27	225	52374	19.766	ug/l	97
95) Naphthalene	15.41	128	154754	20.080	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	78568	20.895	ug/l	98

(#) = 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: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

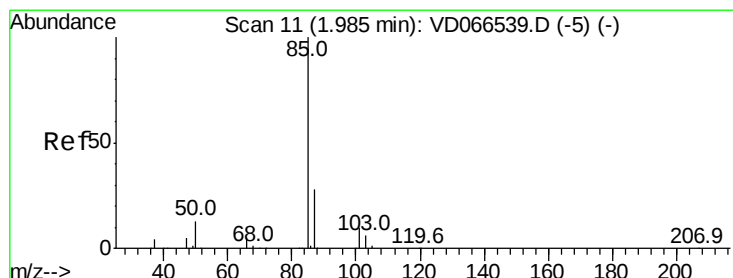
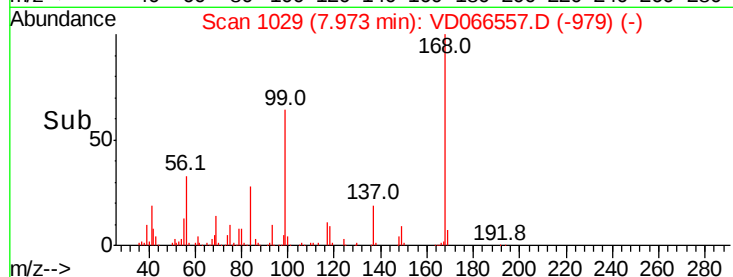
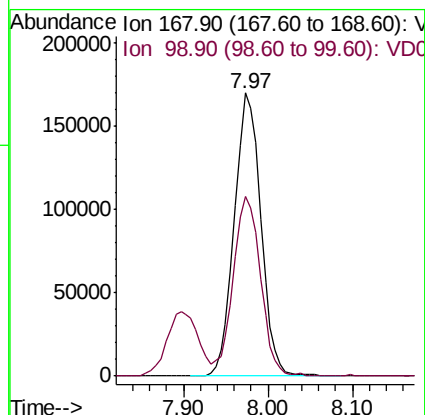
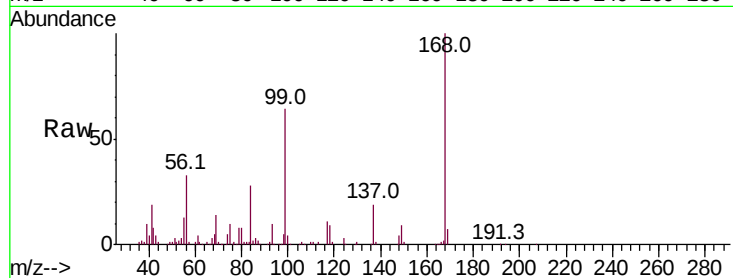
VD0904SBSD01

Tot Ion:168 Resp: 368413

Ion Ratio Lower Upper

168 100

99 63.3 50.5 75.7



#2

Dichlorodifluoromethane

Concen: 22.488 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066557.D

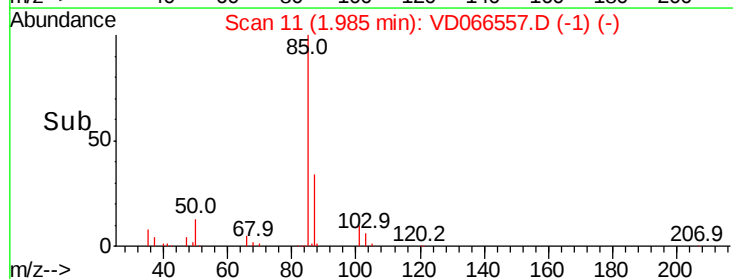
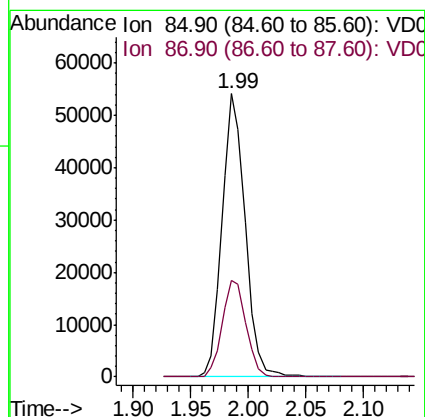
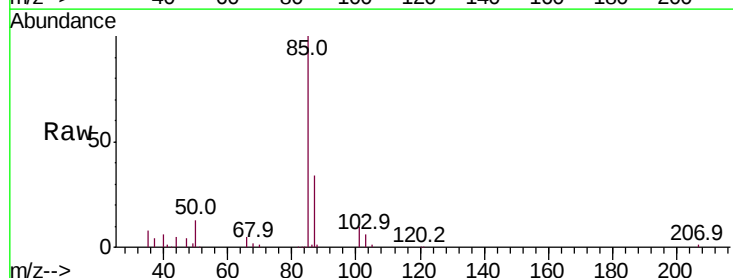
Acq: 04 Sep 2020 12:32

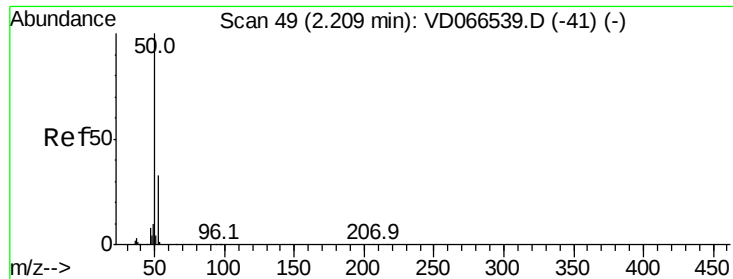
Tgt Ion: 85 Resp: 75013

Ion Ratio Lower Upper

85 100

87 34.2 14.2 42.6

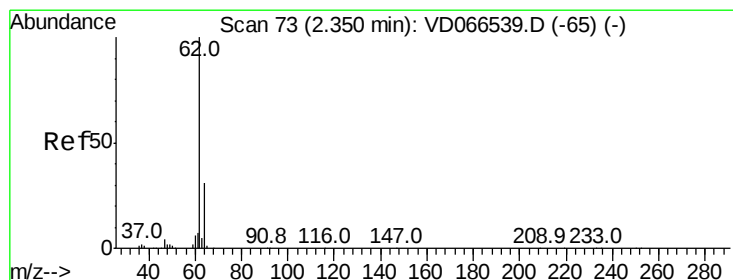
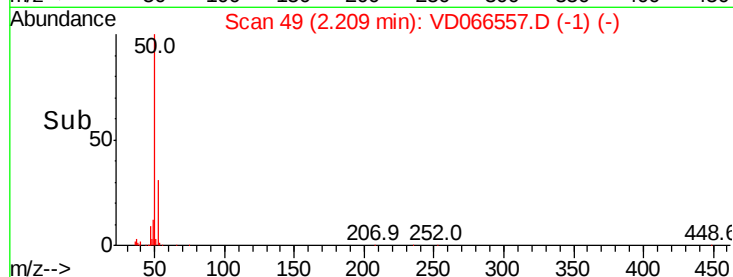
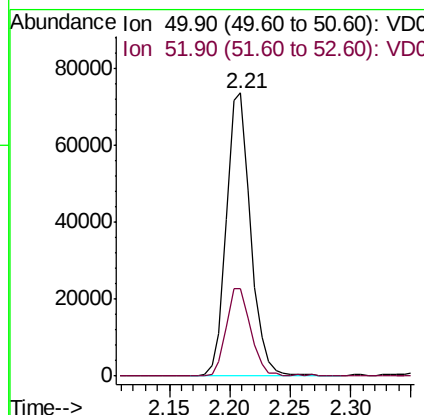
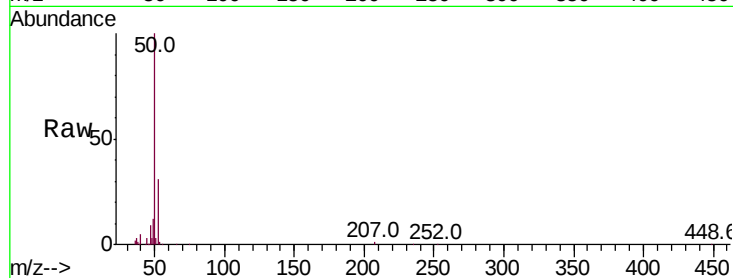




#3
Chloromethane
Concen: 21.931 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

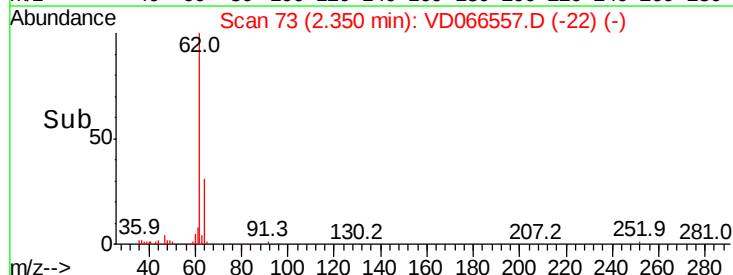
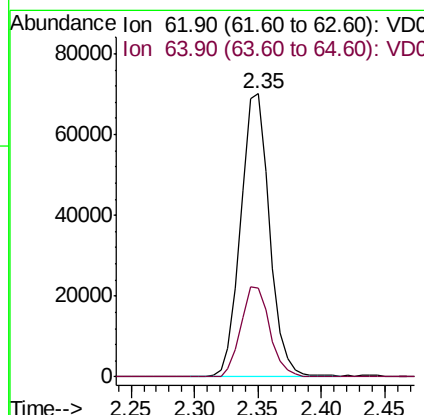
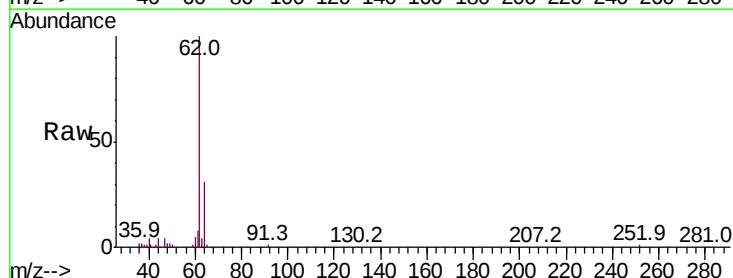
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

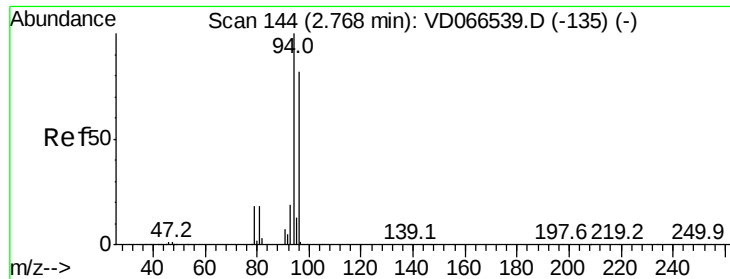
Tot Ion: 50 Resp: 102178
Ion Ratio Lower Upper
50 100
52 30.9 26.2 39.2



#4
Vinyl Chloride
Concen: 21.437 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 62 Resp: 110774
Ion Ratio Lower Upper
62 100
64 31.3 25.3 37.9





#5

Bromomethane

Concen: 19.251 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

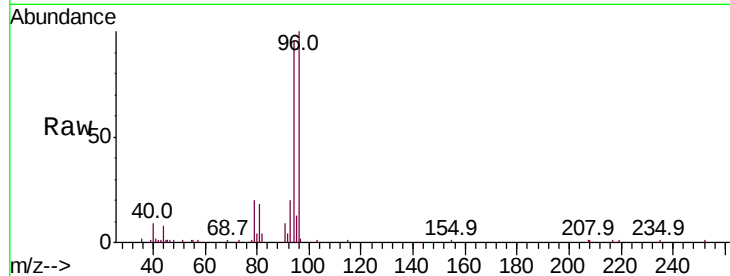
VD0904SBSD01

Tot Ion: 94 Resp: 72031

Ion Ratio Lower Upper

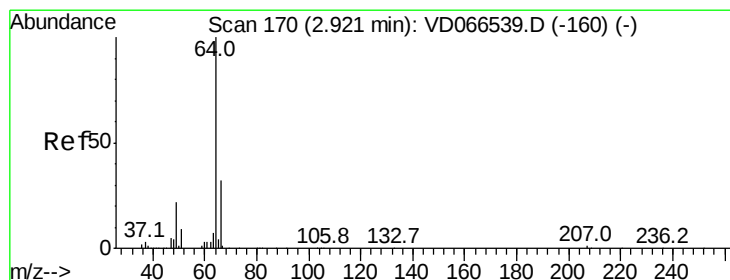
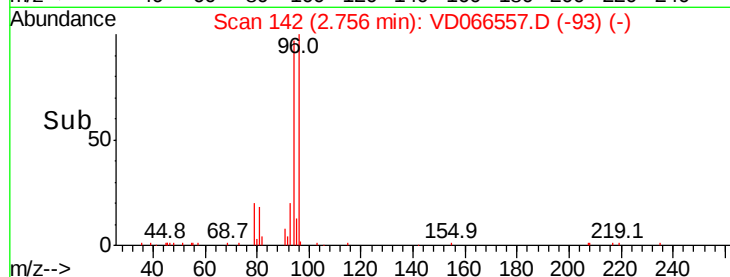
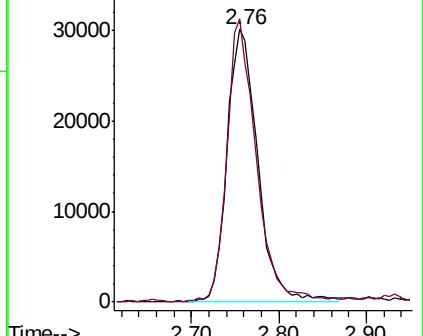
94 100

96 103.3 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.622 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066557.D

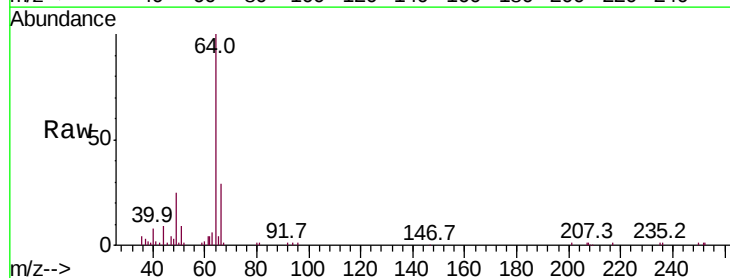
Acq: 04 Sep 2020 12:32

Tgt Ion: 64 Resp: 67685

Ion Ratio Lower Upper

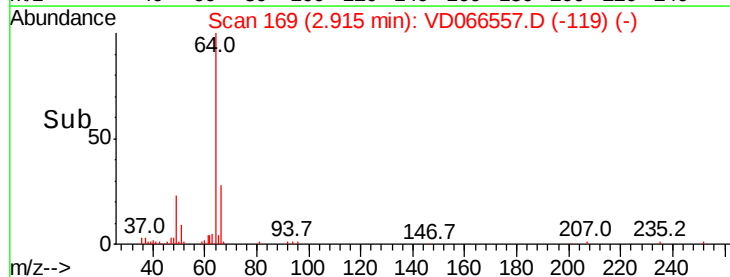
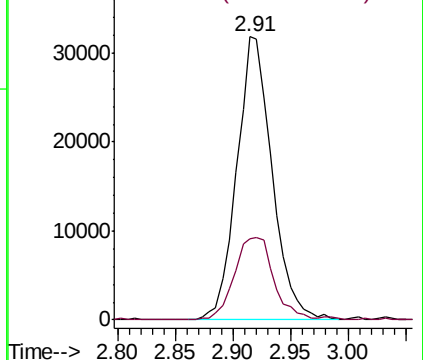
64 100

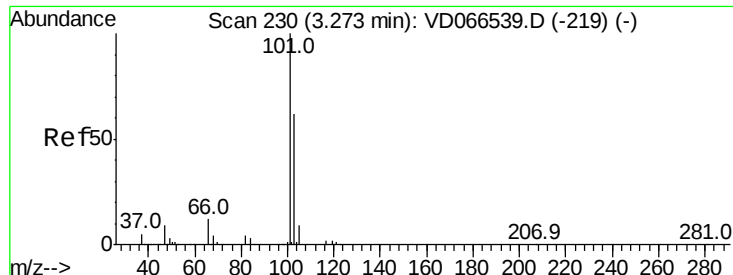
66 28.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



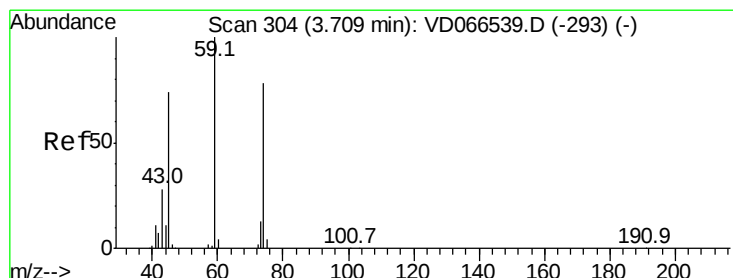
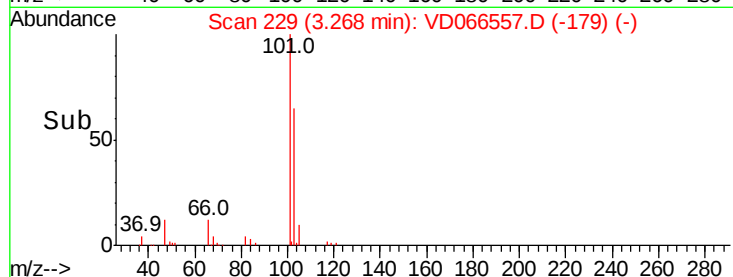
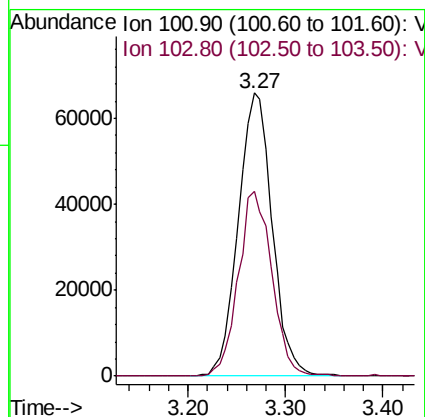
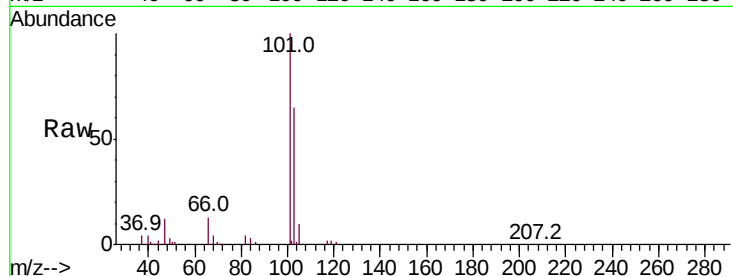


#7

Trichlorofluoromethane
 Concen: 20.843 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

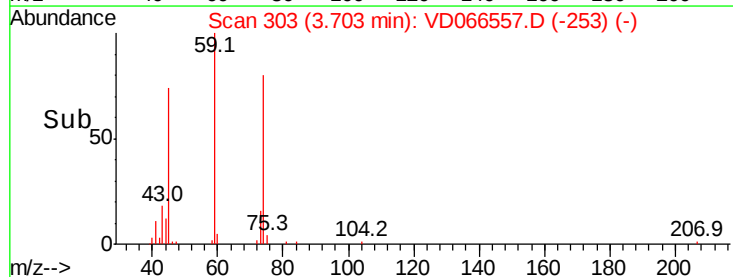
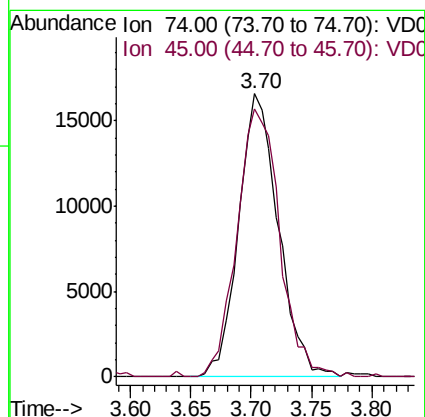
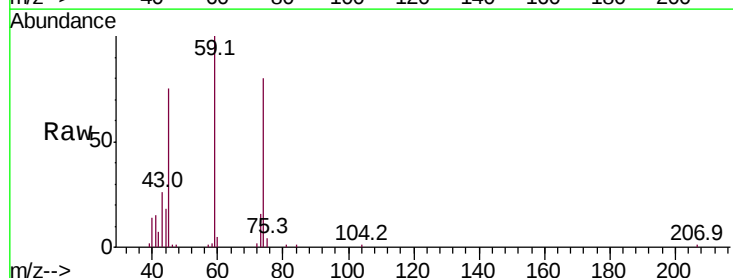
Tot Ion:101 Resp: 159109
 Ion Ratio Lower Upper
 101 100
 103 65.1 49.7 74.5

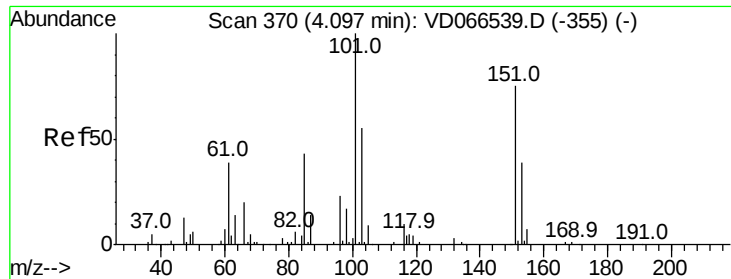


#8

Diethyl Ether
 Concen: 19.767 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion: 74 Resp: 37999
 Ion Ratio Lower Upper
 74 100
 45 101.8 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.558 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

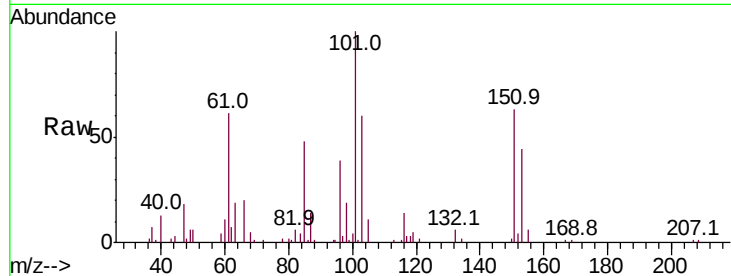
Tot Ion:101 Resp: 84937

Ion Ratio Lower Upper

101 100

85 49.0 37.0 55.6

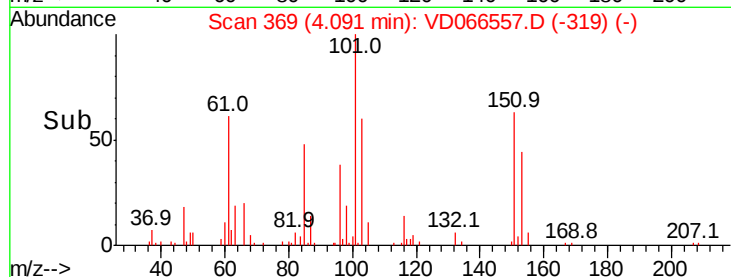
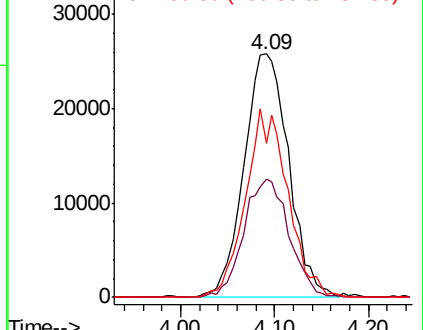
151 73.3 59.4 89.2



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: 20.266 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

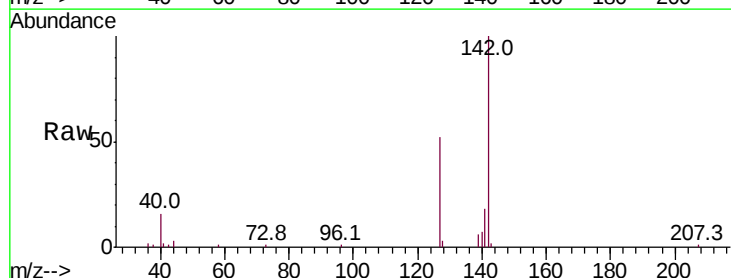
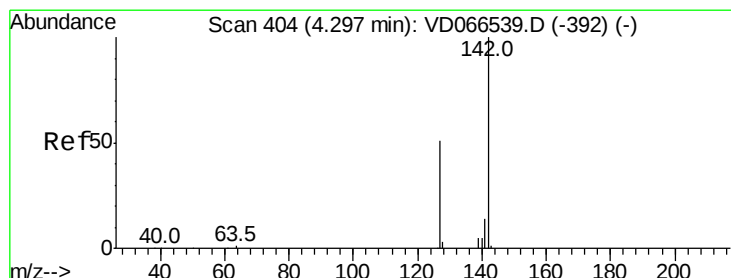
Tgt Ion:142 Resp: 66569

Ion Ratio Lower Upper

142 100

127 52.5 40.6 61.0

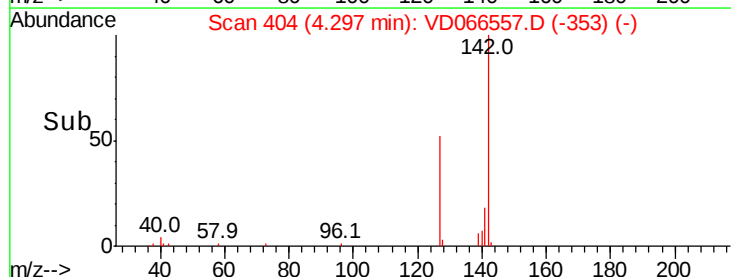
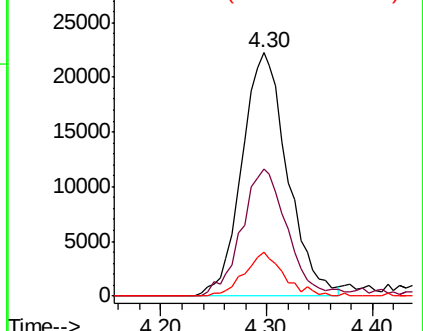
141 15.5 12.2 18.4

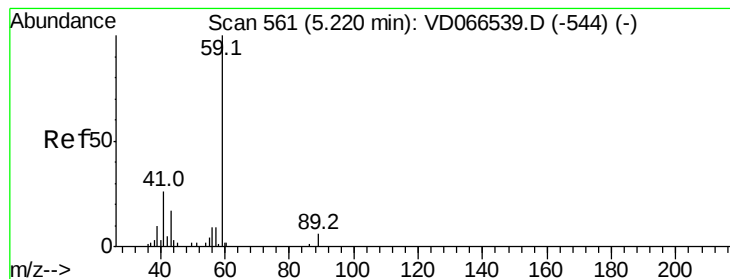


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.550 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

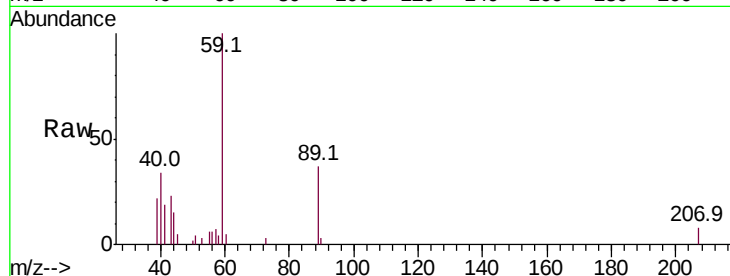
VD0904SBS01

Tot Ion: 59 Resp: 37885

Ion Ratio Lower Upper

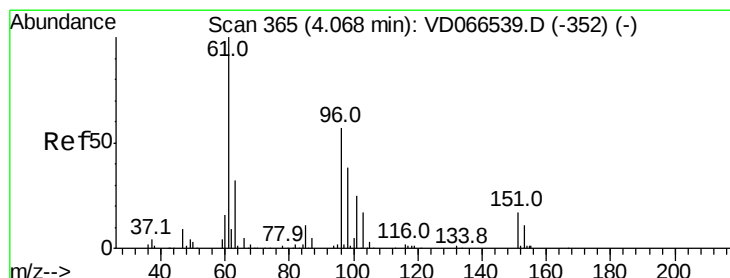
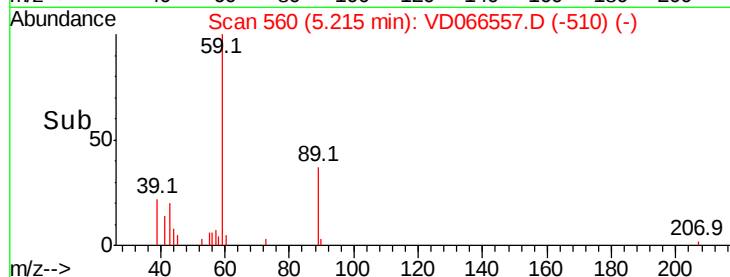
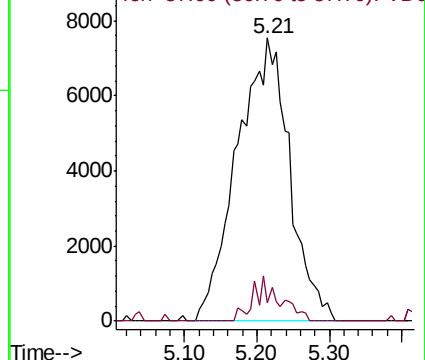
59 100

57 2.4 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.969 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

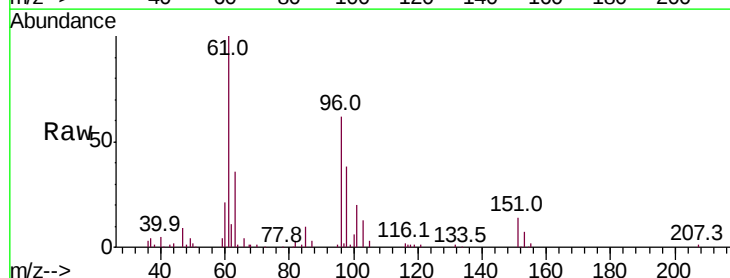
Tgt Ion: 96 Resp: 77833

Ion Ratio Lower Upper

96 100

61 161.1 140.9 211.3

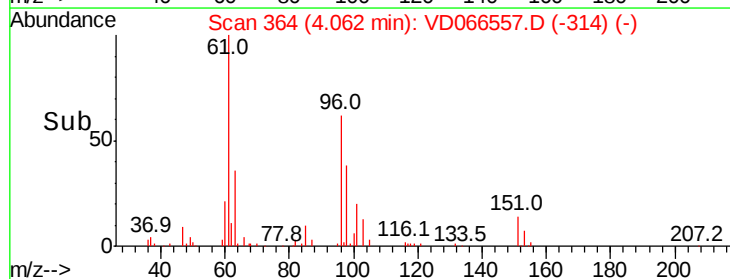
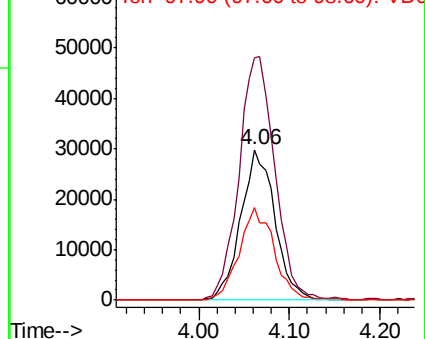
98 61.7 53.2 79.8

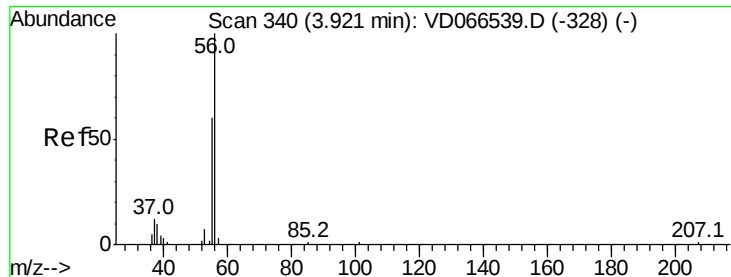


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

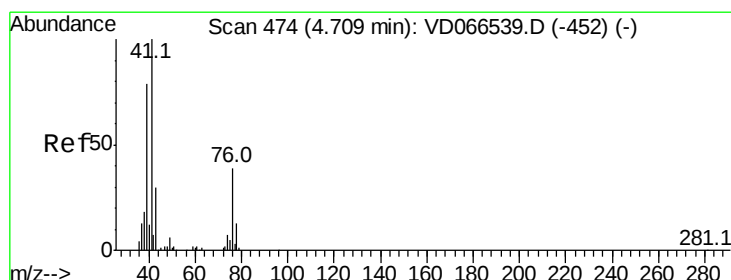
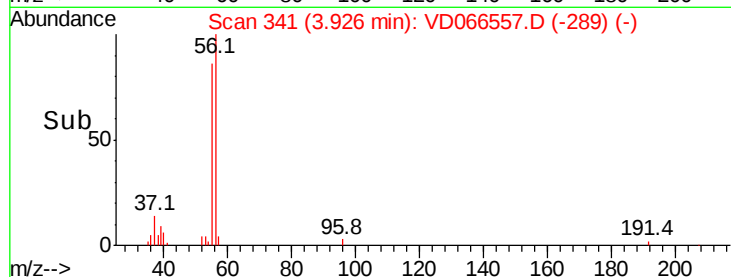
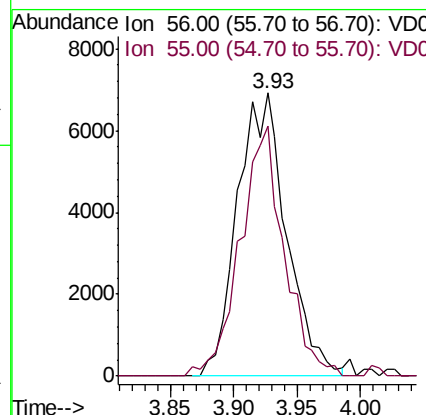
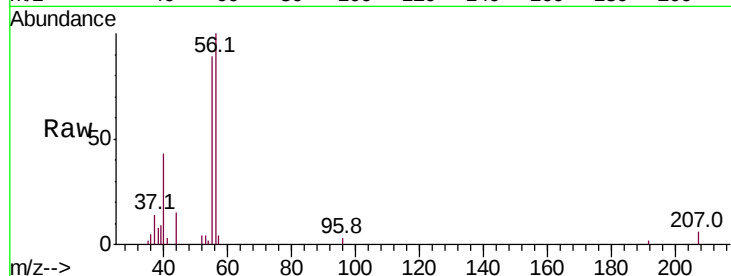




#13
Acrolein
Concen: 102.059 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

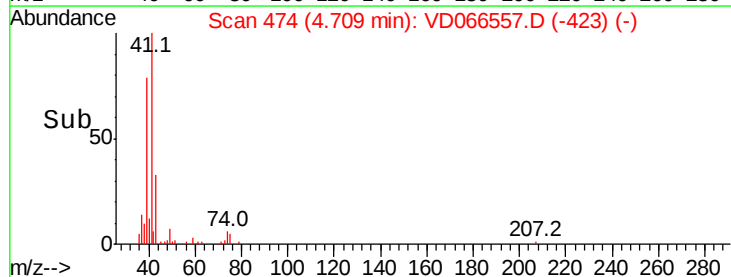
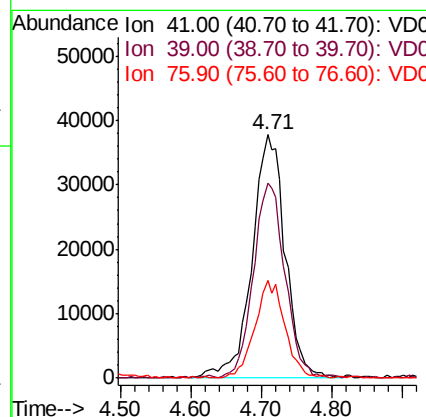
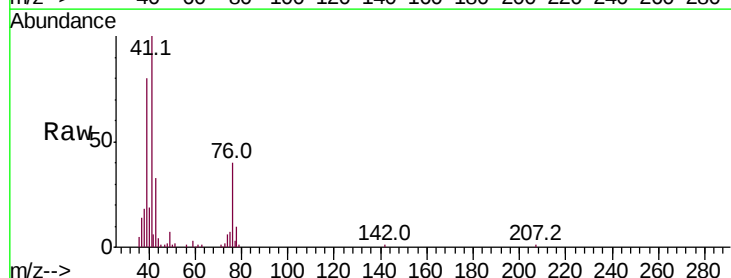
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

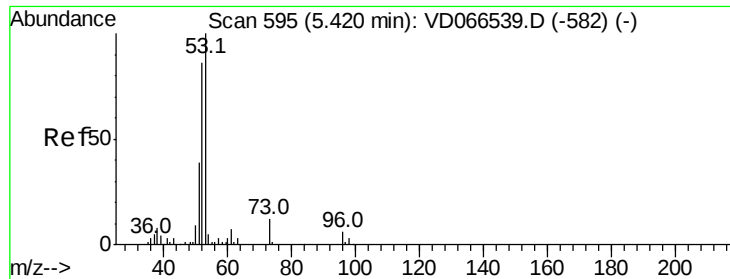
Tot Ion: 56 Resp: 18601
Ion Ratio Lower Upper
56 100
55 79.0 53.6 80.4



#14
Allyl chloride
Concen: 20.362 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 41 Resp: 123867
Ion Ratio Lower Upper
41 100
39 75.0 61.9 92.9
76 36.3 29.0 43.6





#15

Acrylonitrile

Concen: 104.945 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

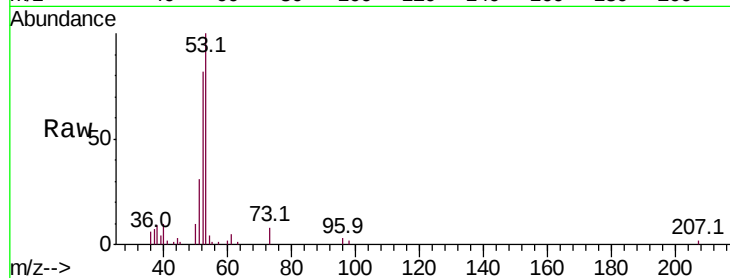
Tot Ion: 53 Resp: 86661

Ion Ratio Lower Upper

53 100

52 80.7 65.4 98.2

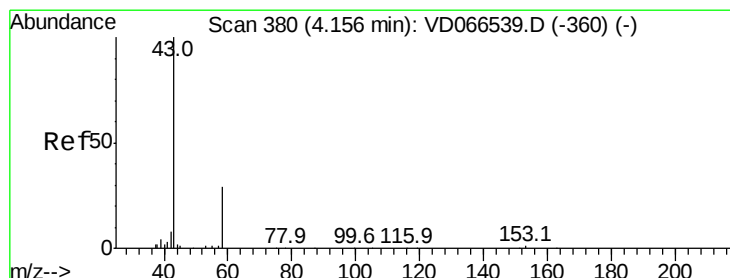
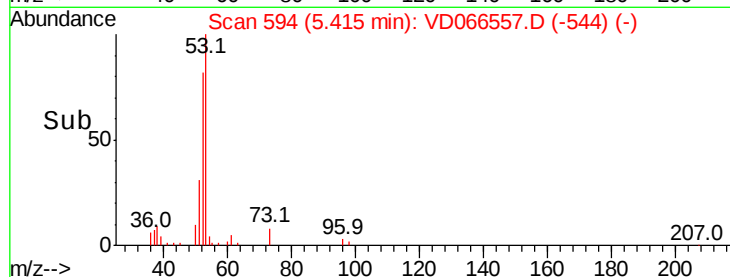
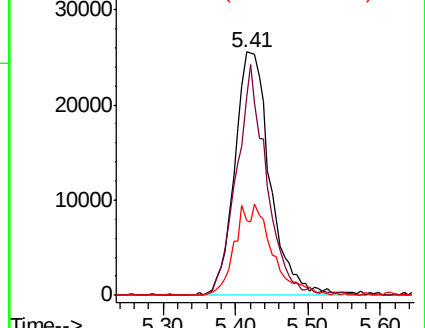
51 17.6 31.2 46.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 107.339 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066557.D

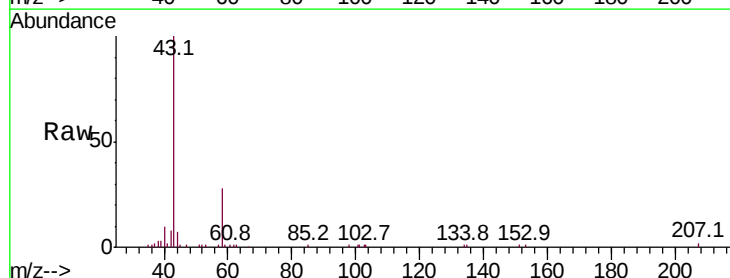
Acq: 04 Sep 2020 12:32

Tgt Ion: 43 Resp: 88035

Ion Ratio Lower Upper

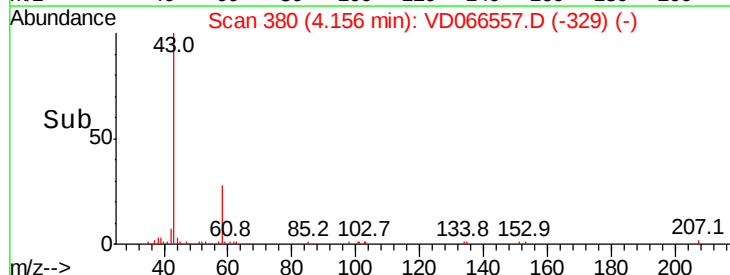
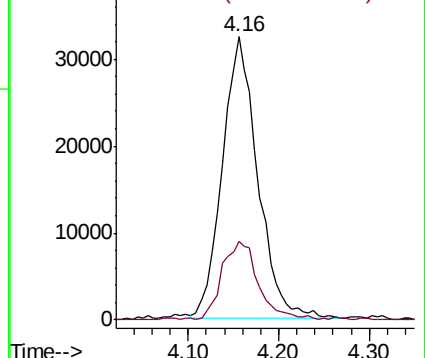
43 100

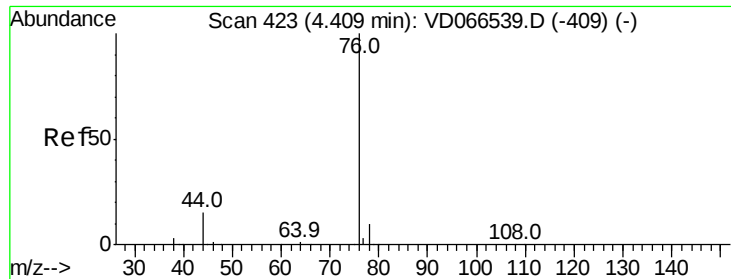
58 27.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

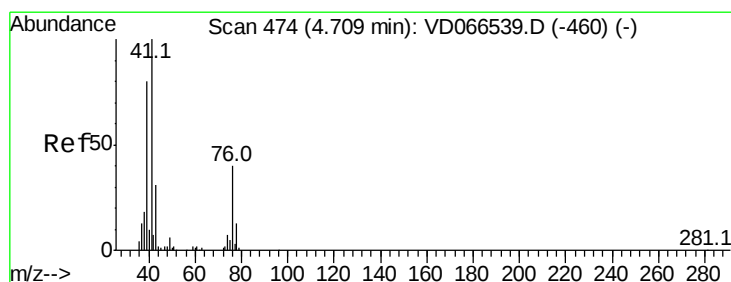
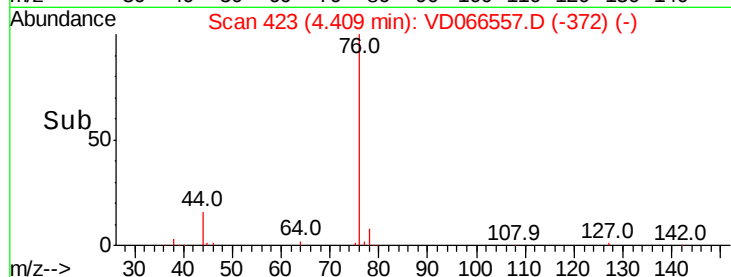
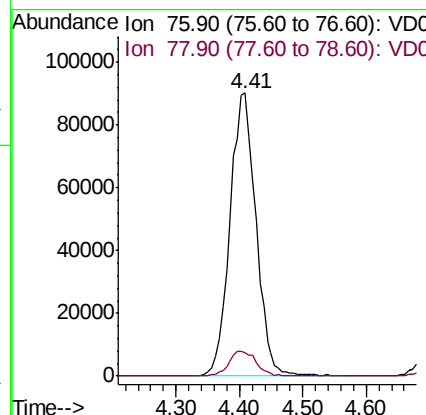
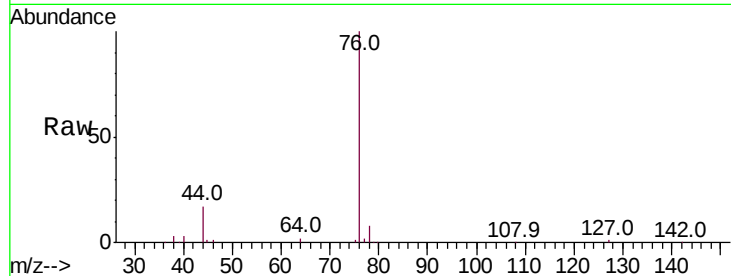




#17
Carbon Disulfide
Concen: 20.977 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

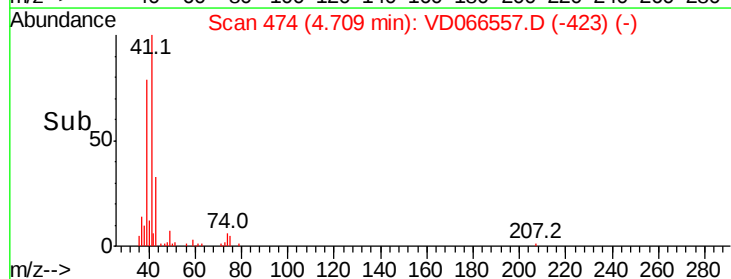
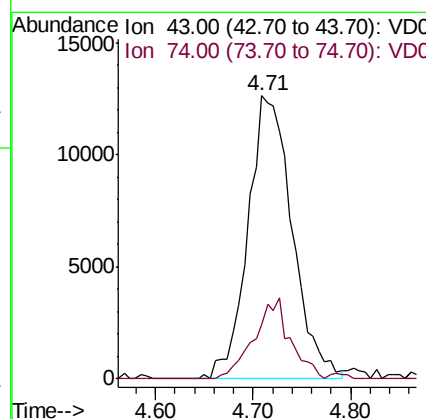
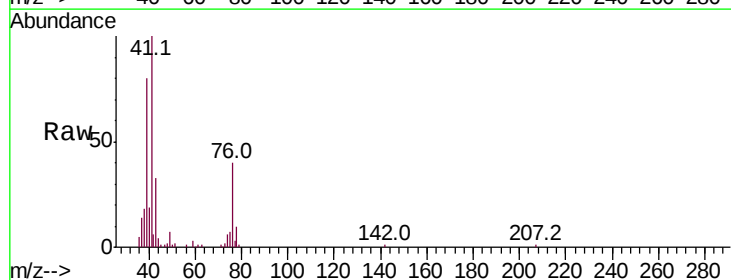
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

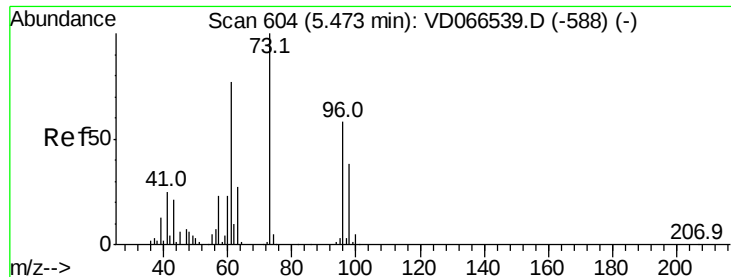
Tot Ion: 76 Resp: 255962
Ion Ratio Lower Upper
76 100
78 8.5 7.6 11.4



#18
Methyl Acetate
Concen: 20.487 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 43 Resp: 40055
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0

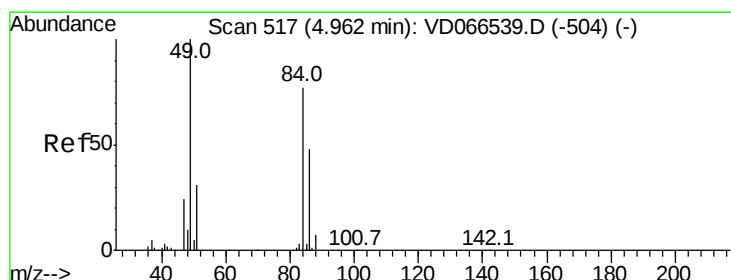
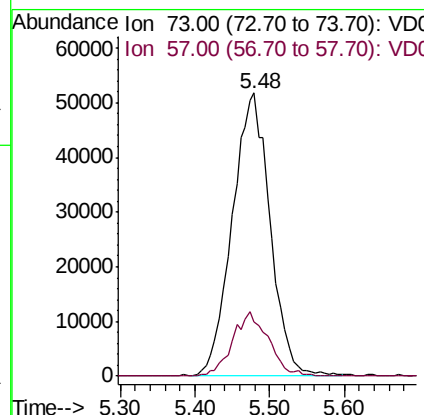
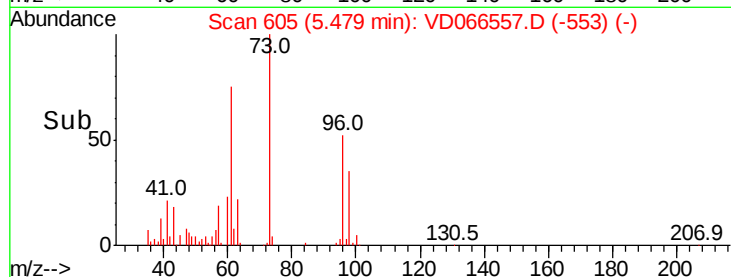
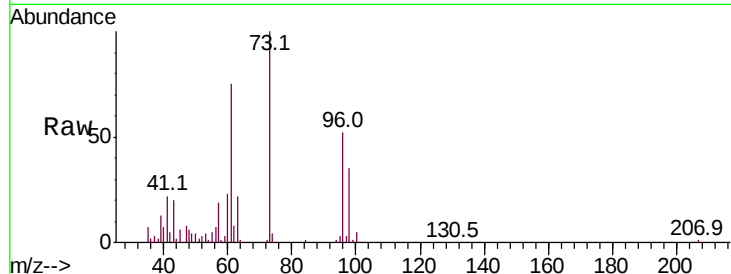




#19
Methyl tert-butyl Ether
Concen: 20.908 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

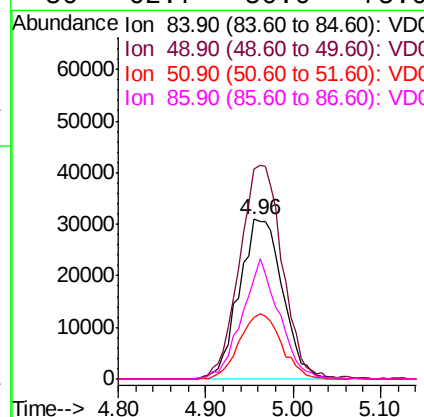
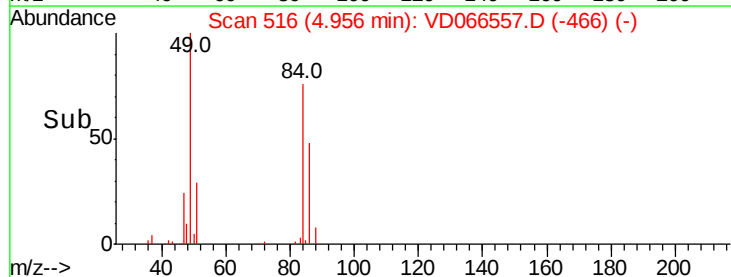
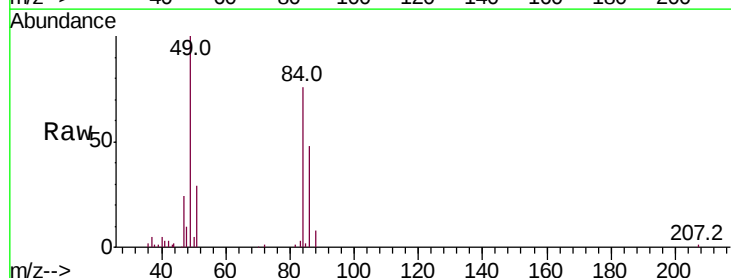
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

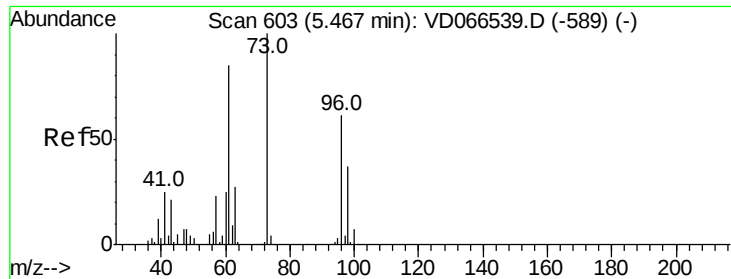
Tot Ion: 73 Resp: 181993
Ion Ratio Lower Upper
73 100
57 19.3 18.3 27.5



#20
Methylene Chloride
Concen: 19.294 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 84 Resp: 104404
Ion Ratio Lower Upper
84 100
49 131.4 104.3 156.5
51 38.4 32.2 48.4
86 62.7 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 20.061 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

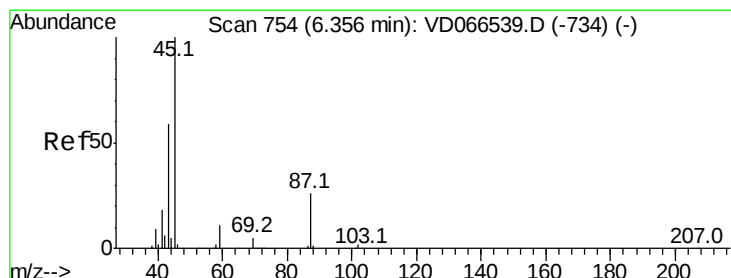
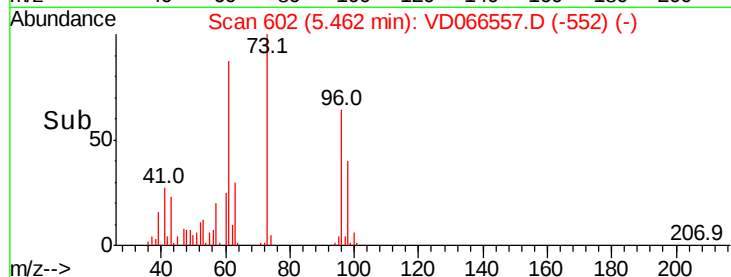
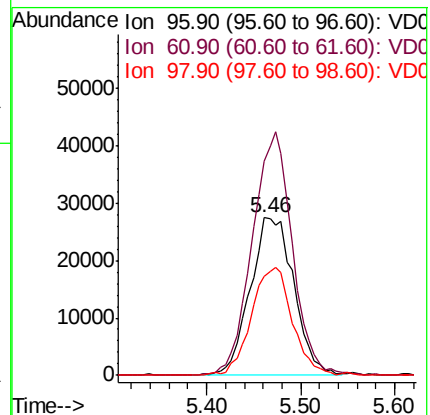
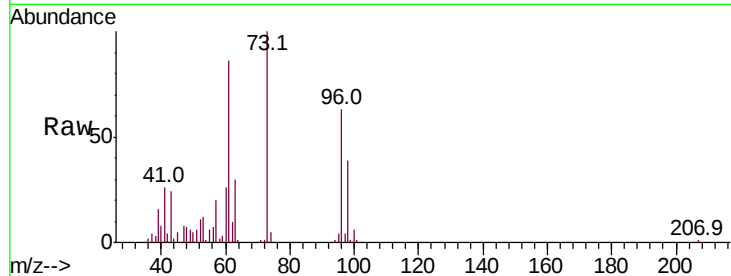
Tot Ion: 96 Resp: 88423

Ion Ratio Lower Upper

96 100

61 135.8 112.1 168.1

98 62.6 48.6 72.8



#22

Diisopropyl ether

Concen: 21.447 ug/l

RT: 6.36 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion: 45 Resp: 268291

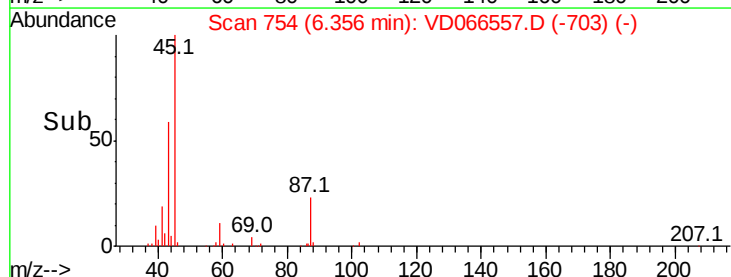
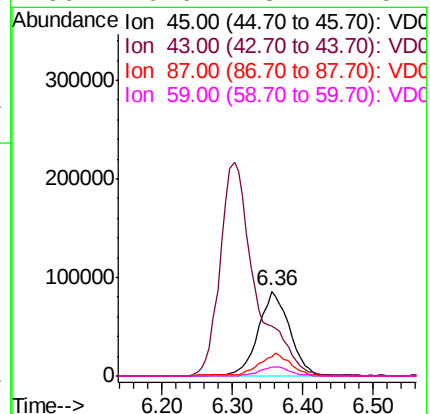
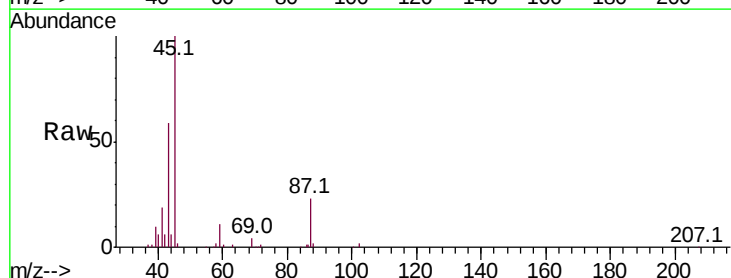
Ion Ratio Lower Upper

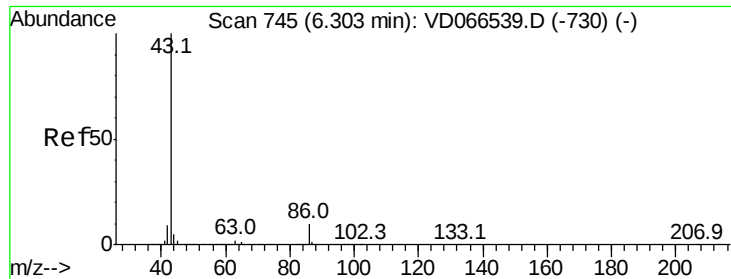
45 100

43 57.6 47.0 70.4

87 22.7 21.3 31.9

59 10.6 8.7 13.1

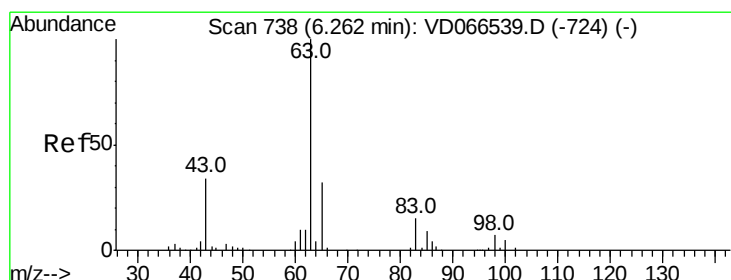
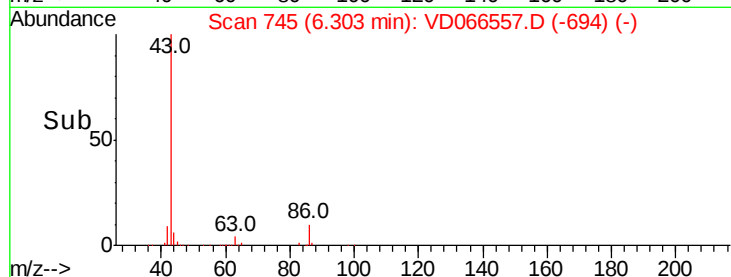
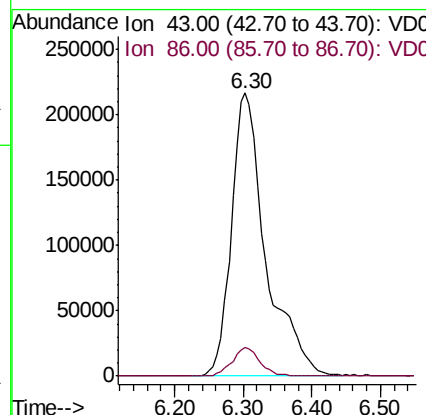
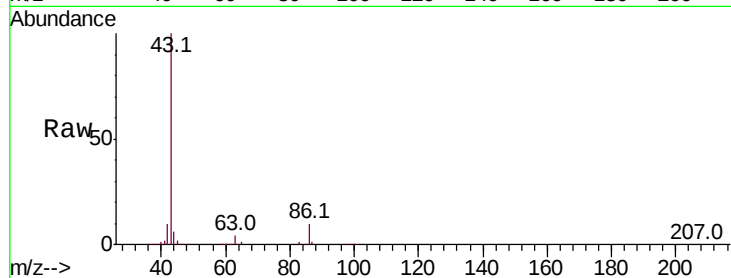




#23
 Vinyl Acetate
 Concen: 105.851 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

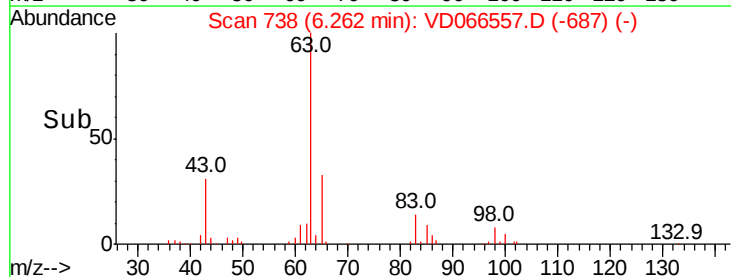
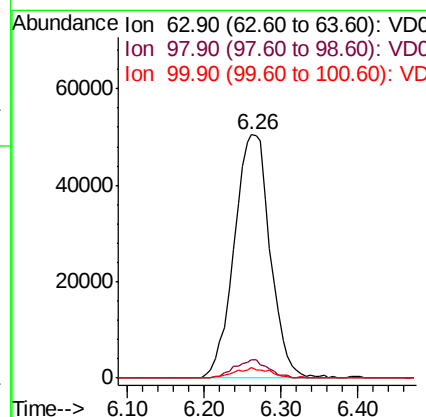
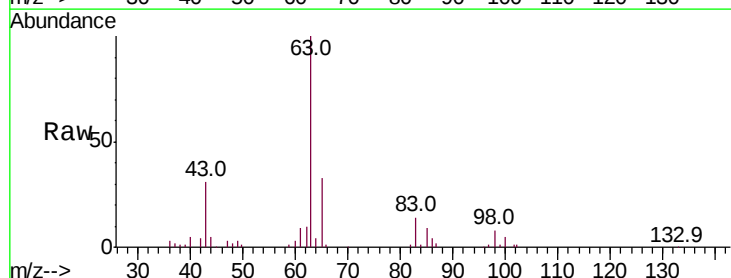
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

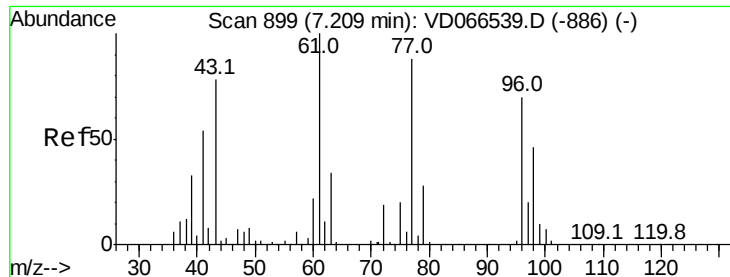
Tot Ion: 43 Resp: 753534
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 20.915 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion: 63 Resp: 164533
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.4 10.1
 100 4.5 2.5 7.4





#25

2-Butanone

Concen: 104.663 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

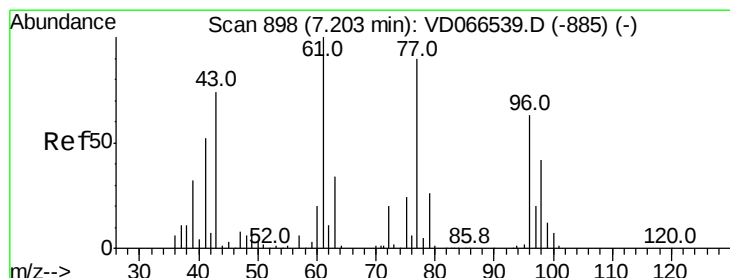
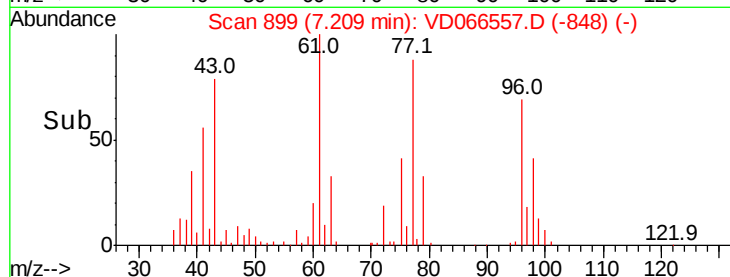
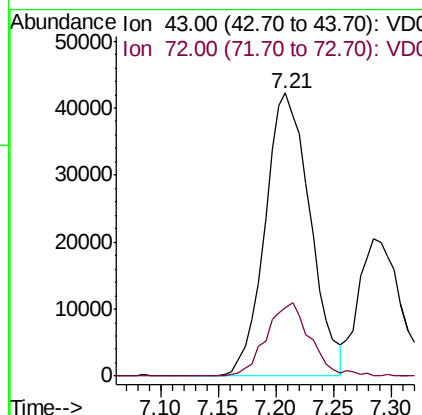
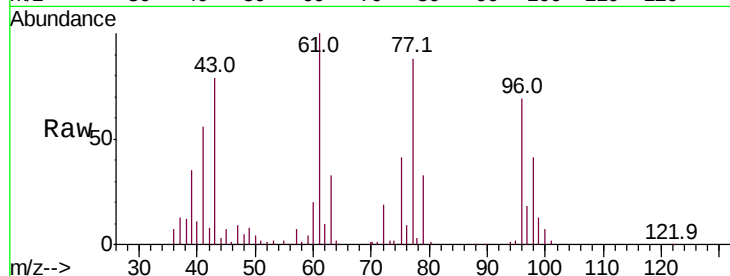
VD0904SBSD01

Tot Ion: 43 Resp: 115231

Ion Ratio Lower Upper

43 100

72 24.3 19.8 29.6



#26

2,2-Dichloropropane

Concen: 20.817 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.00 min

Lab File: VD066557.D

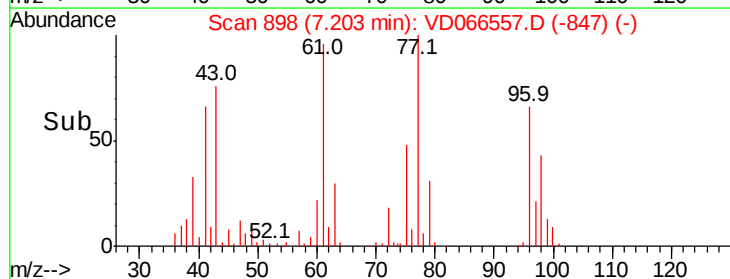
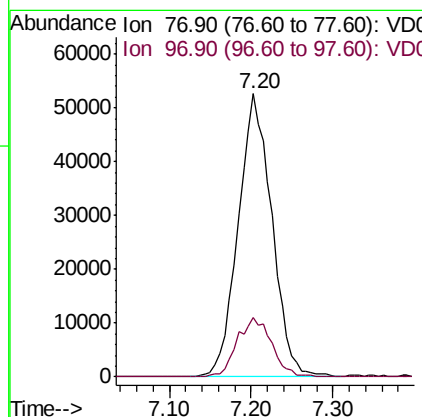
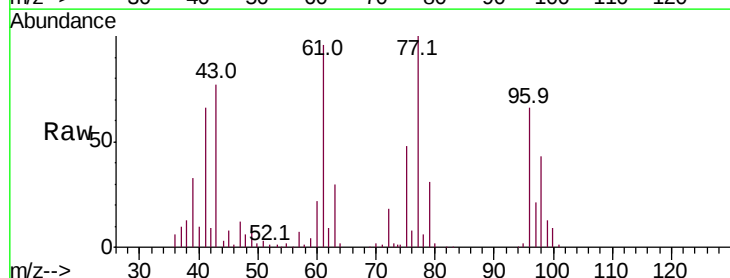
Acq: 04 Sep 2020 12:32

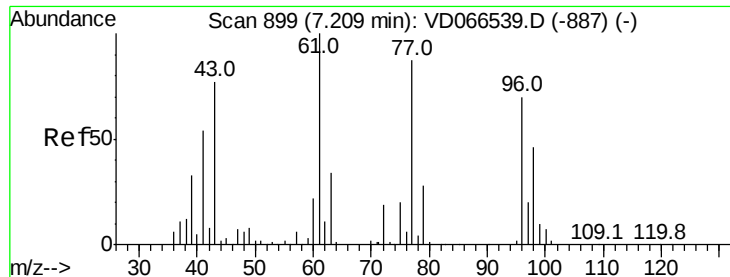
Tgt Ion: 77 Resp: 150218

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.3

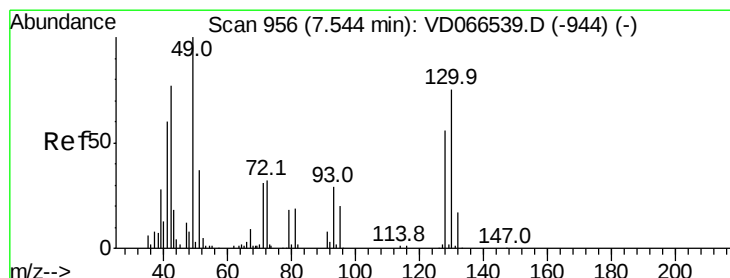
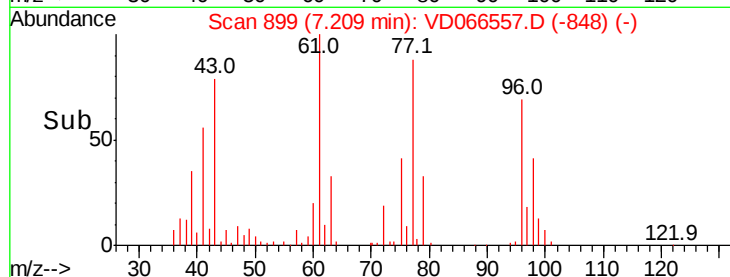
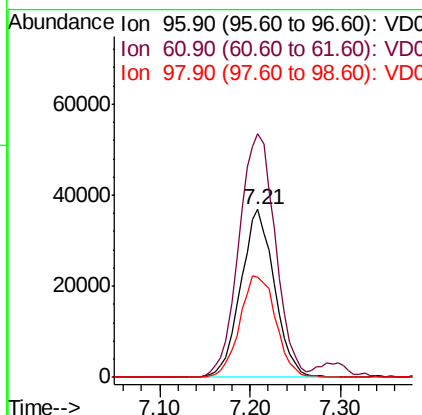
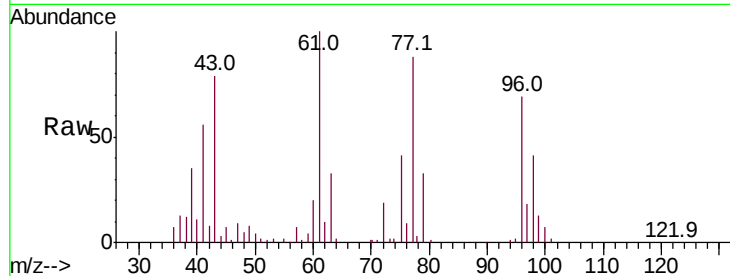




#27
 cis-1,2-Dichloroethene
 Concen: 20.155 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

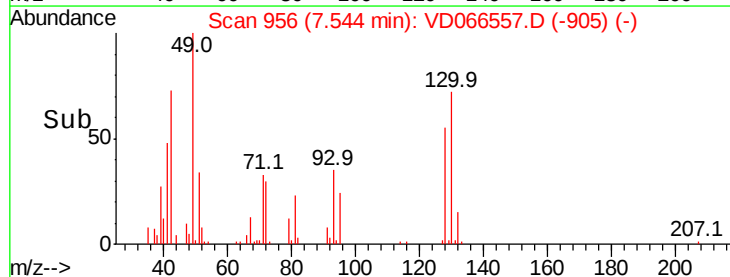
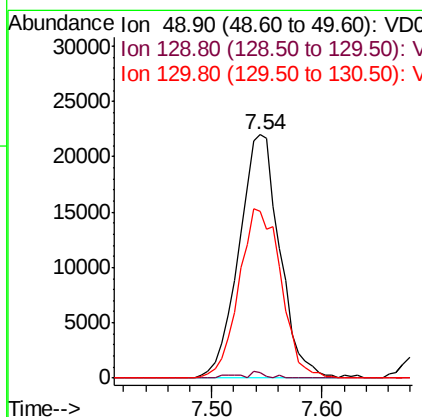
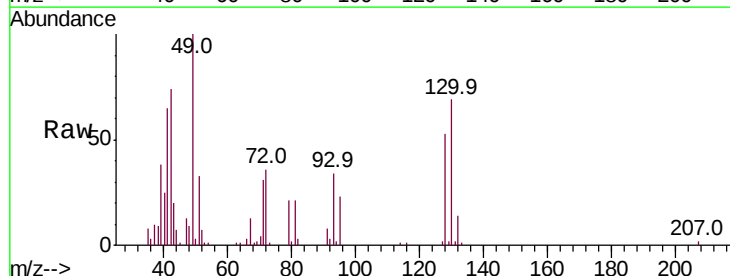
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0904SBS01

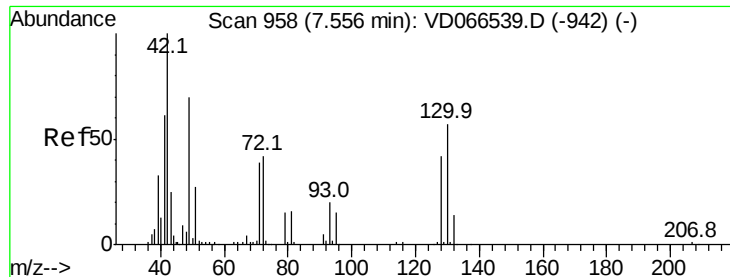
Tot Ion: 96 Resp: 95535
 Ion Ratio Lower Upper
 96 100
 61 156.2 0.0 301.0
 98 64.5 0.0 129.8



#28
 Bromochloromethane
 Concen: 18.802 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion: 49 Resp: 56945
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 2.6
 130 72.2 58.2 87.2

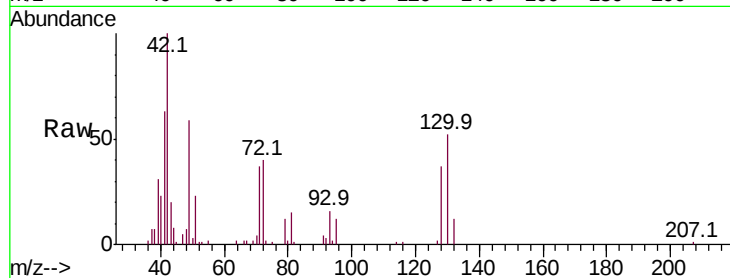




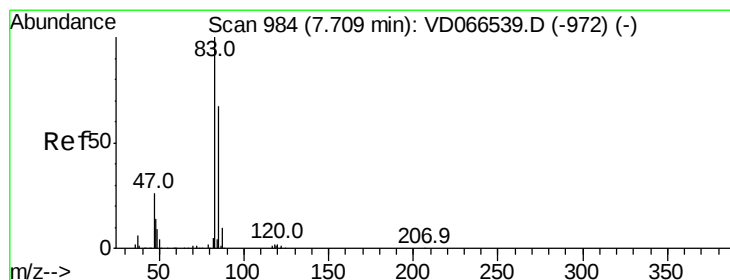
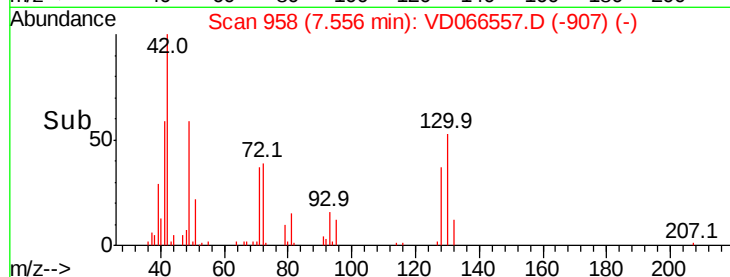
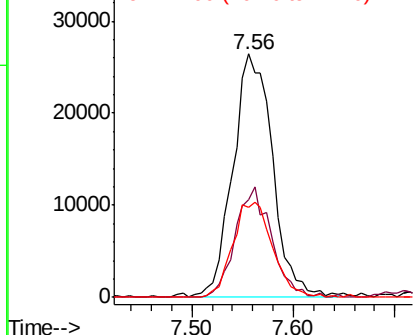
#29
Tetrahydrofuran
Concen: 105.035 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion: 42 Resp: 72020
Ion Ratio Lower Upper
42 100
72 41.2 33.4 50.0
71 39.1 31.9 47.9

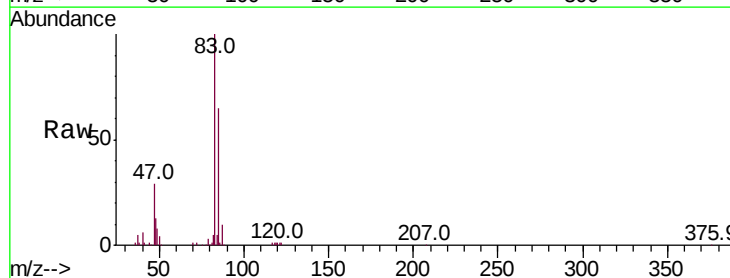


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

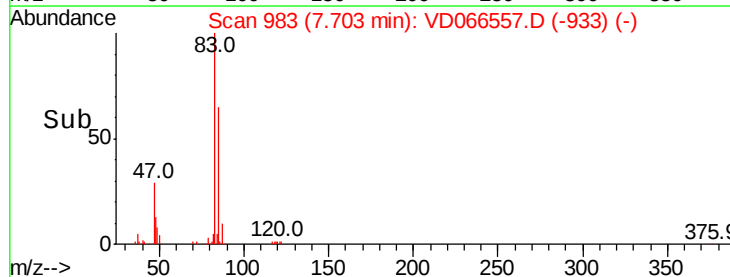
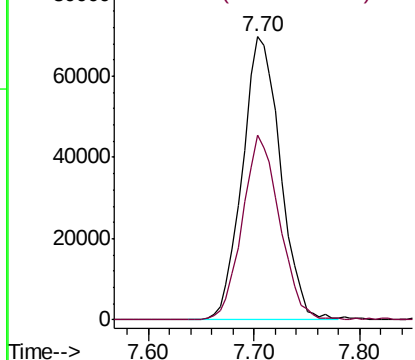


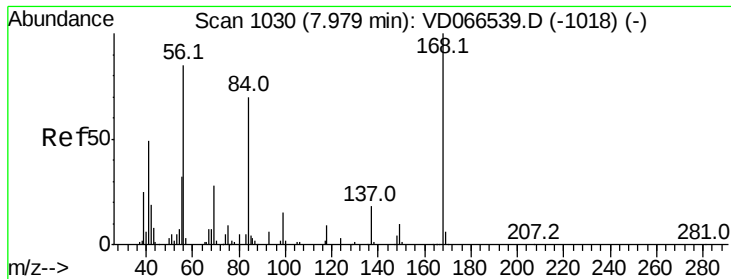
#30
Chloroform
Concen: 20.909 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 83 Resp: 174018
Ion Ratio Lower Upper
83 100
85 65.2 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: 20.509 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

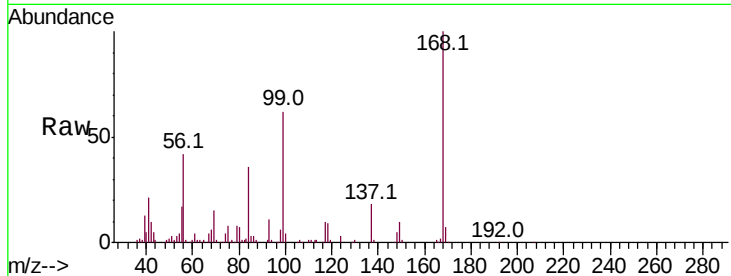
Tot Ion: 56 Resp: 149137

Ion Ratio Lower Upper

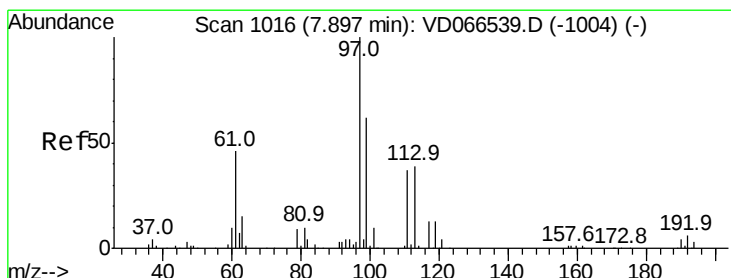
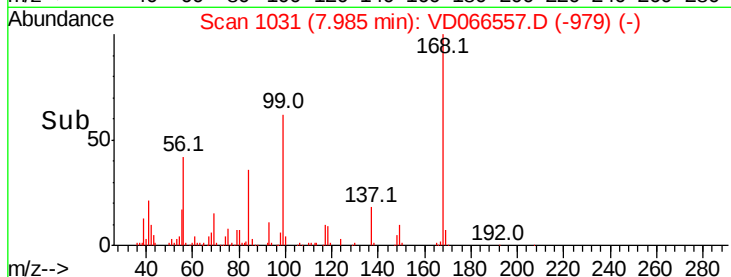
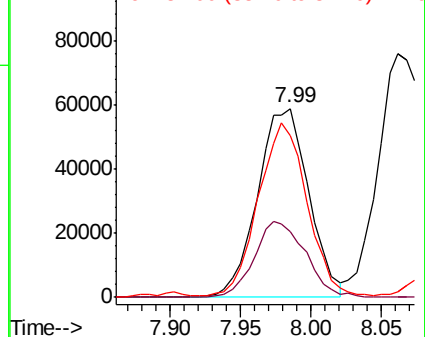
56 100

69 35.0 26.3 39.5

84 84.6 66.1 99.1



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



#32

1,1,1-Trichloroethane

Concen: 20.115 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

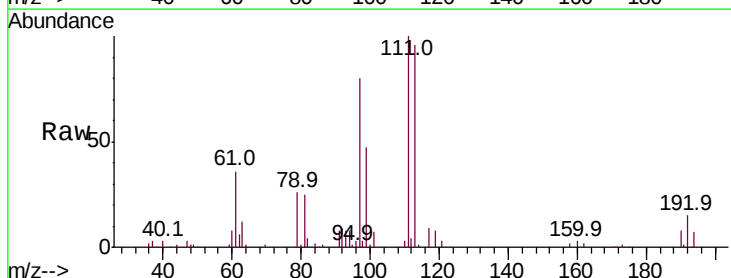
Tgt Ion: 97 Resp: 157397

Ion Ratio Lower Upper

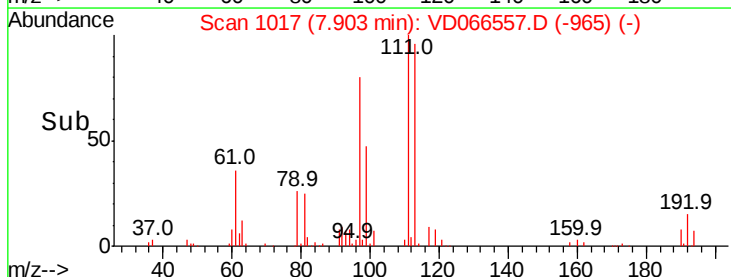
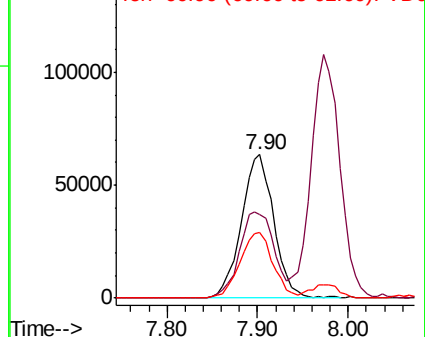
97 100

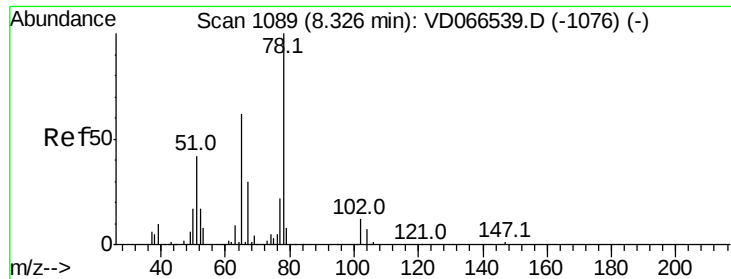
99 64.2 51.4 77.0

61 46.5 37.4 56.0



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

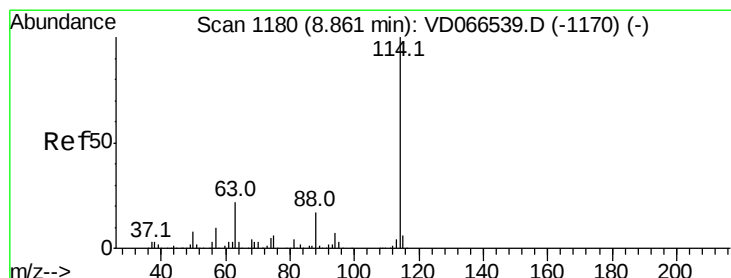
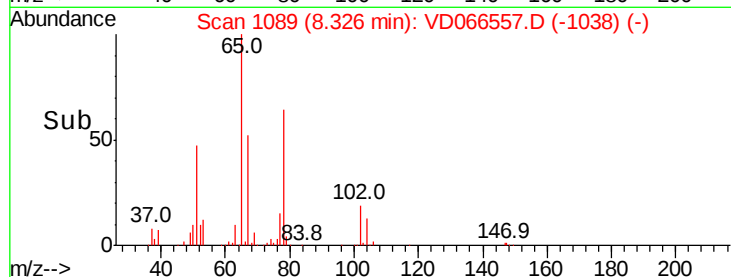
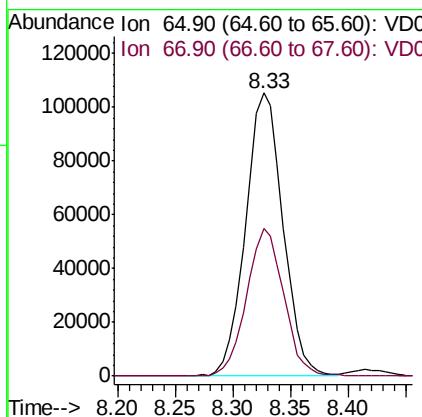
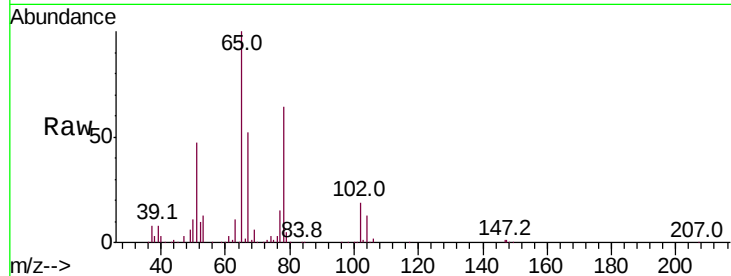




#33
 1,2-Dichloroethane-d4
 Concen: 53.401 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

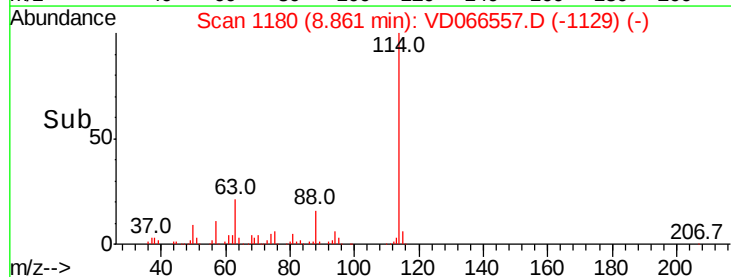
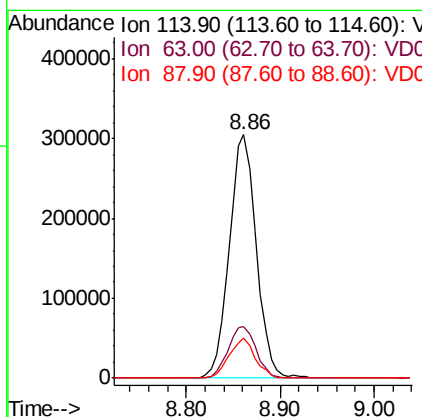
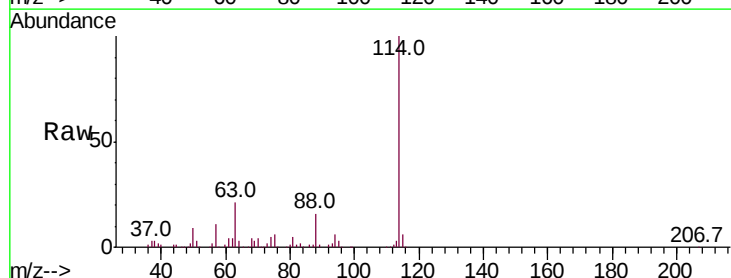
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

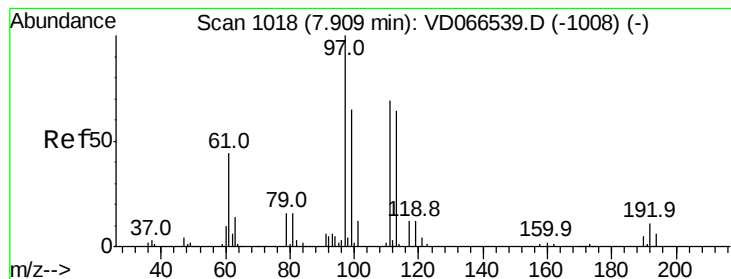
Tot Ion: 65 Resp: 238032
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion: 114 Resp: 608905
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.104 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

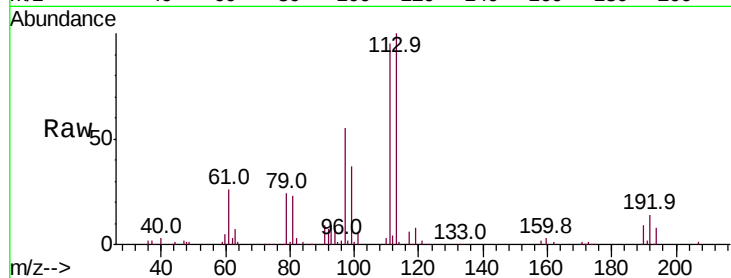
Tot Ion:113 Resp: 218136

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

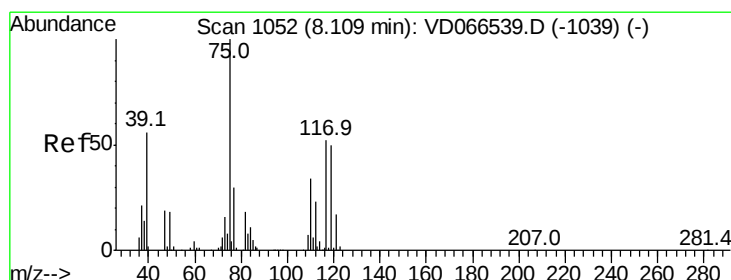
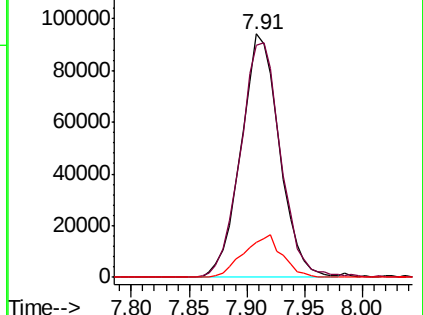
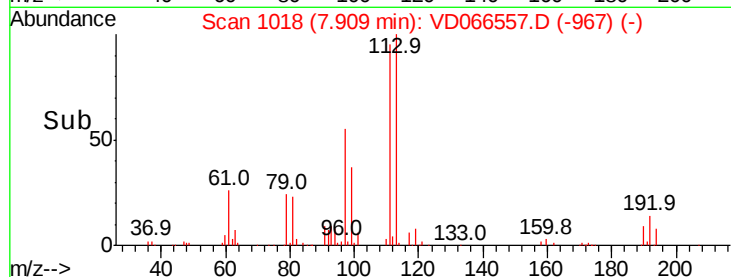
192 17.4 13.7 20.5



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: 20.661 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

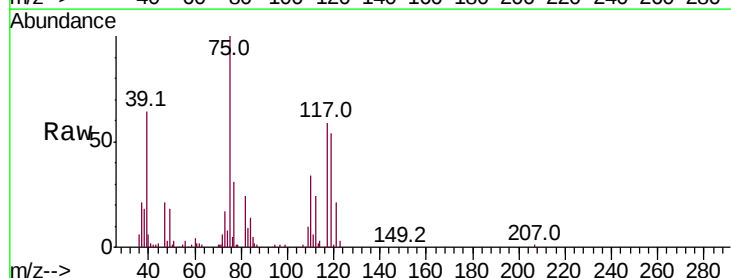
Tgt Ion: 75 Resp: 130925

Ion Ratio Lower Upper

75 100

110 33.8 17.3 52.0

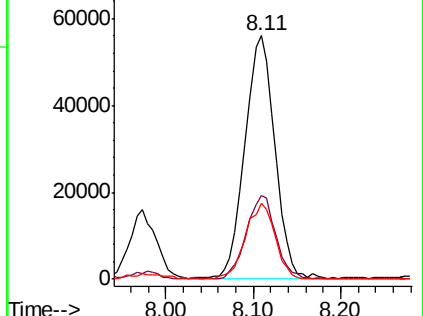
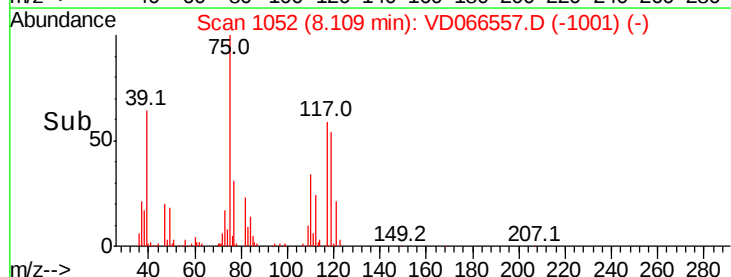
77 30.5 25.1 37.7

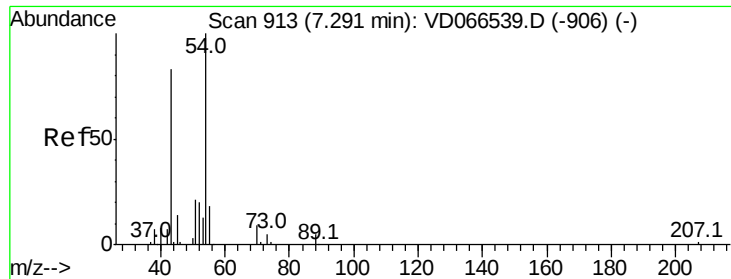


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

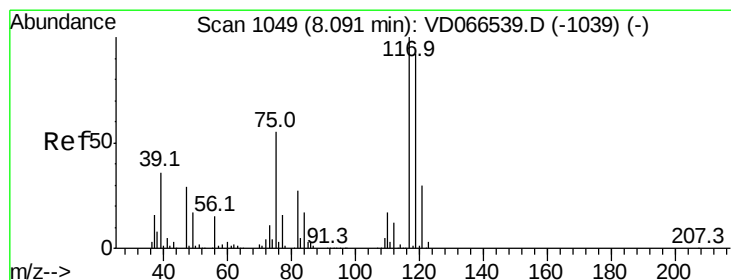
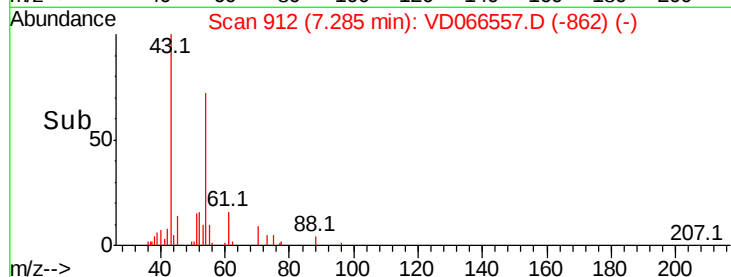
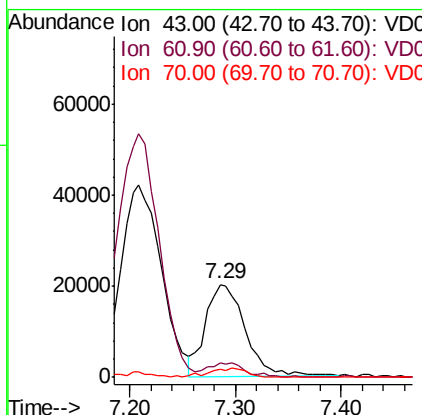
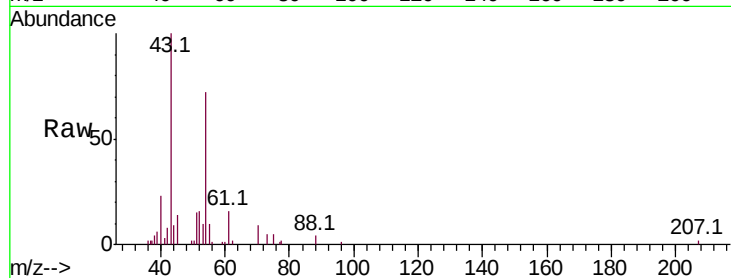




#37
Ethyl Acetate
Concen: 21.048 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

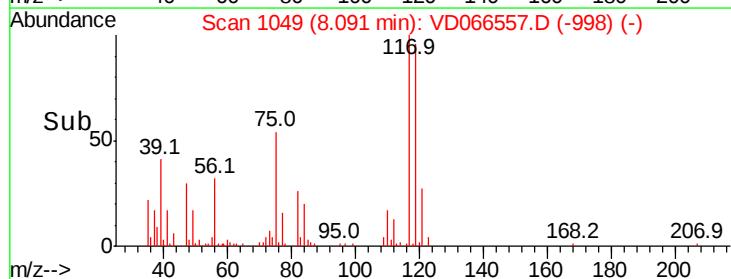
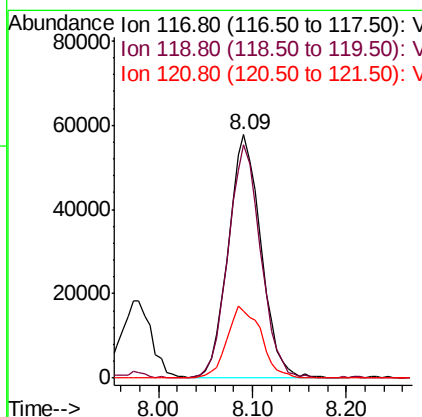
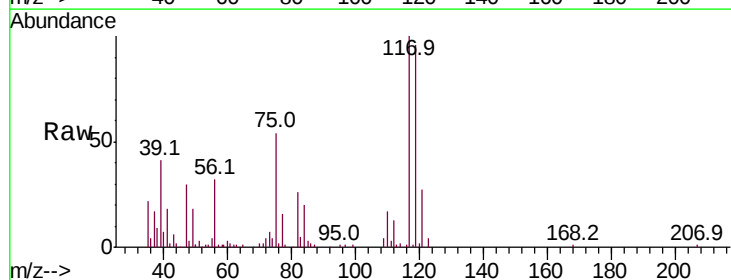
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

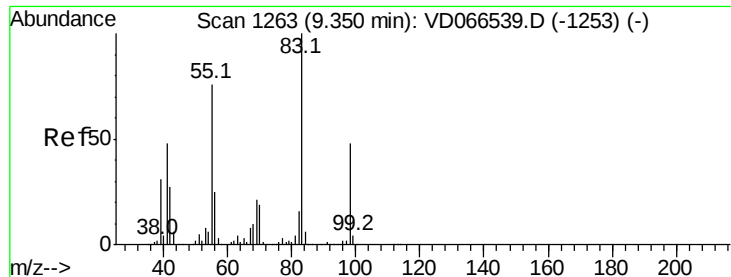
Tot Ion: 43 Resp: 53110
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.8
70 9.5 7.9 11.9



#38
Carbon Tetrachloride
Concen: 20.914 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 117 Resp: 140084
Ion Ratio Lower Upper
117 100
119 96.0 73.9 110.9
121 27.3 24.1 36.1

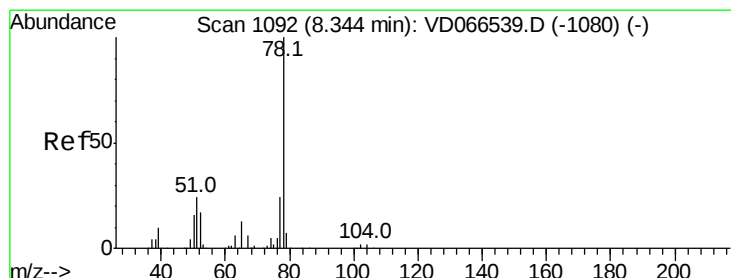
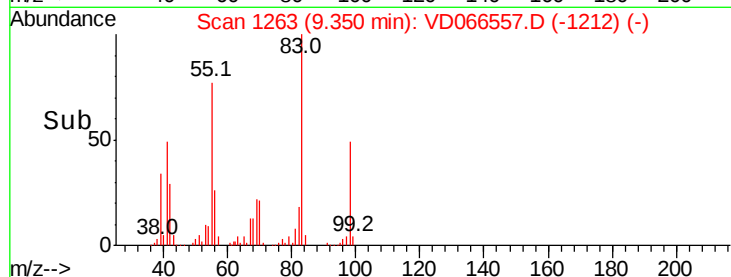
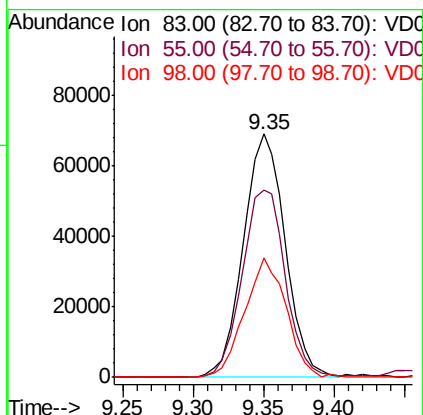
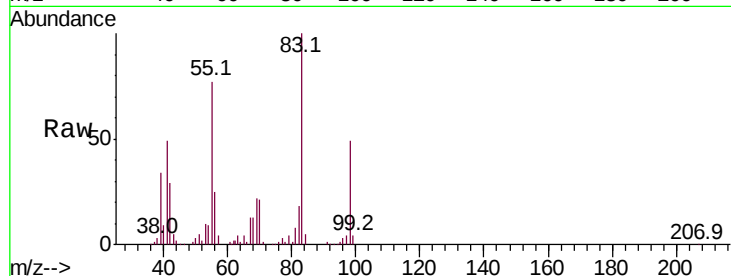




#39
Methvlcvclohexane
Concen: 20.241 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

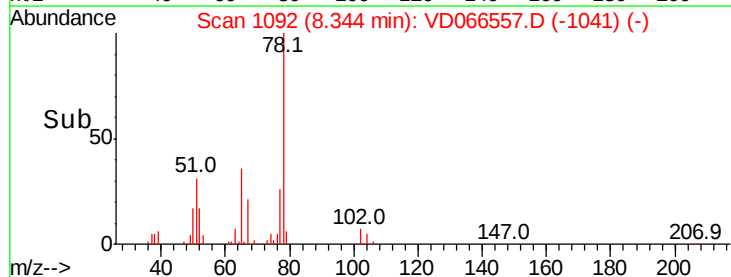
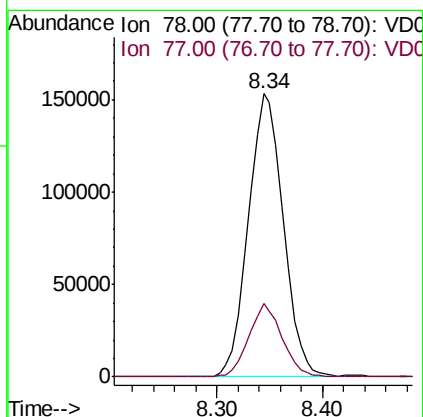
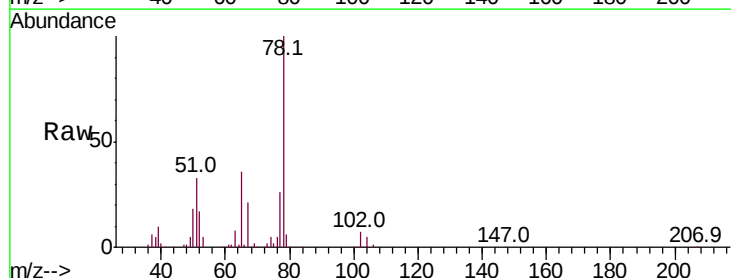
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

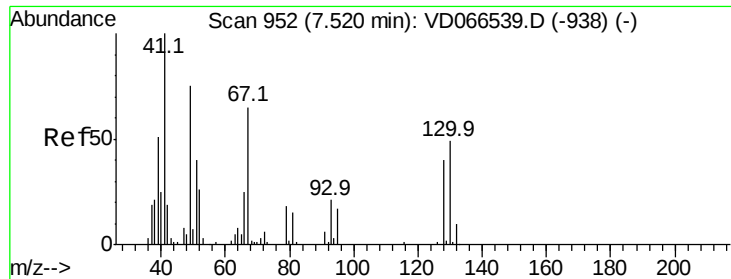
Tot Ion: 83 Resp: 143223
Ion Ratio Lower Upper
83 100
55 76.7 60.8 91.2
98 49.3 38.6 58.0



#40
Benzene
Concen: 20.330 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 78 Resp: 352831
Ion Ratio Lower Upper
78 100
77 26.1 19.1 28.7





#41

Methacrylonitrile

Concen: 19.533 ug/l

RT: 7.52 min Scan# 952

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion: 41 Resp: 23858

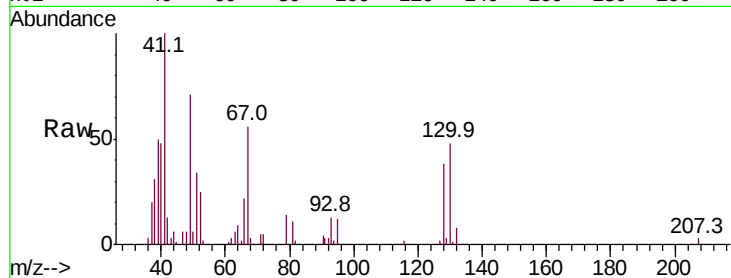
Ion Ratio Lower Upper

41 100

39 0.0 53.6 80.4#

67 85.2 59.2 88.8

52 40.6 26.8 40.2#

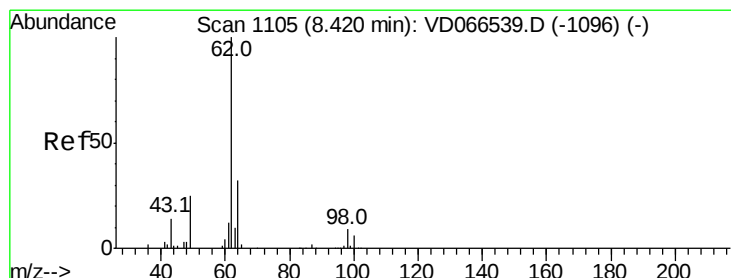
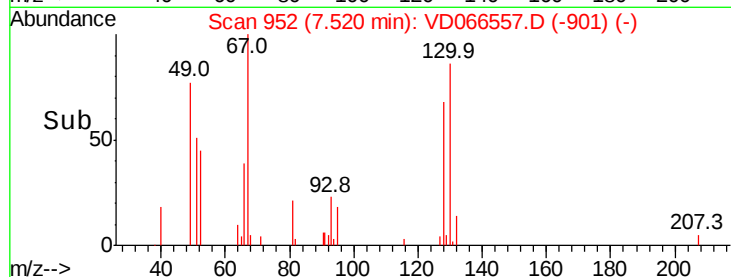
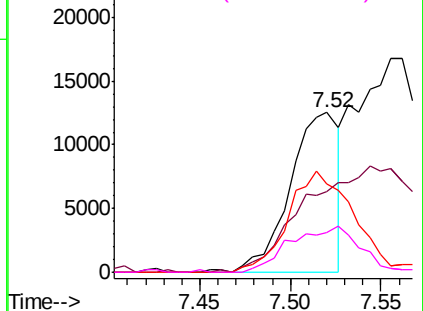


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 20.812 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066557.D

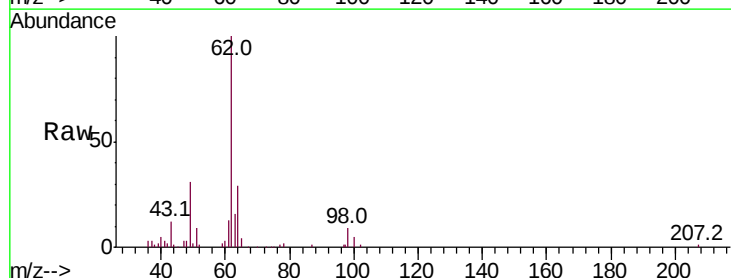
Acq: 04 Sep 2020 12:32

Tgt Ion: 62 Resp: 117029

Ion Ratio Lower Upper

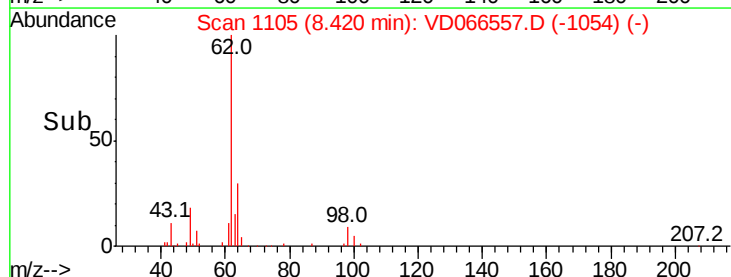
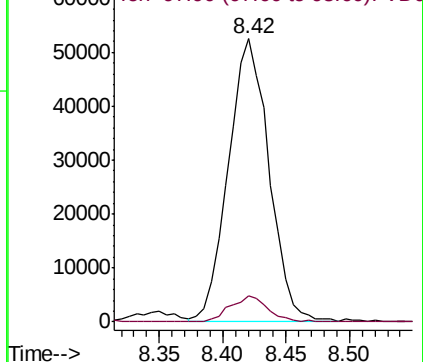
62 100

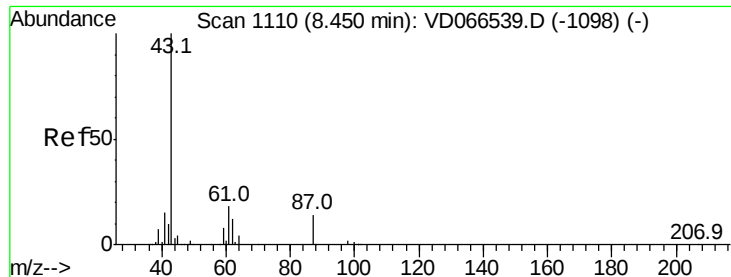
98 8.4 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.691 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

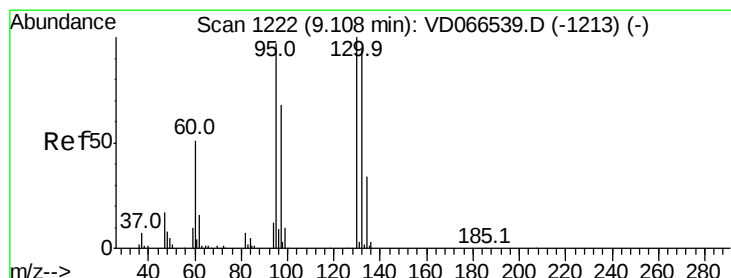
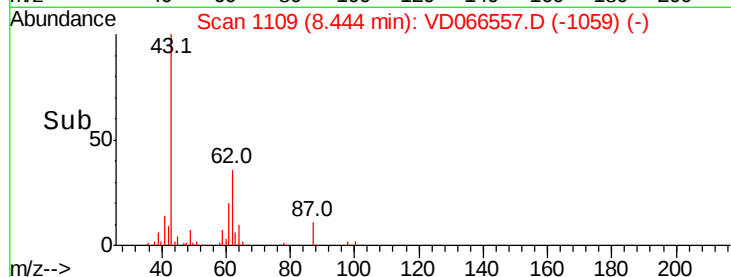
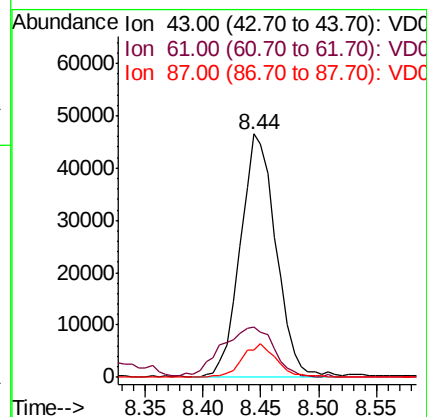
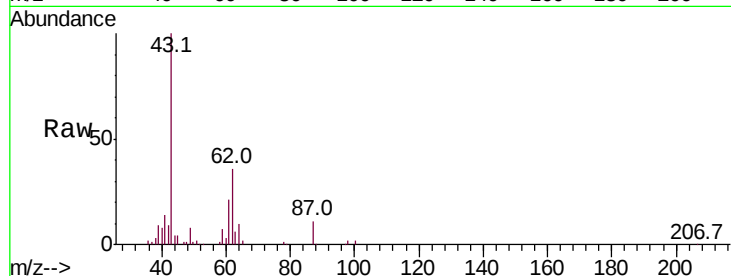
Tot Ion: 43 Resp: 100056

Ion Ratio Lower Upper

43 100

61 30.2 23.8 35.8

87 13.2 10.7 16.1



#44

Trichloroethene

Concen: 20.683 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066557.D

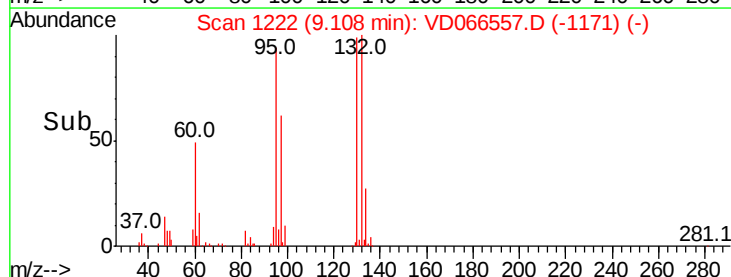
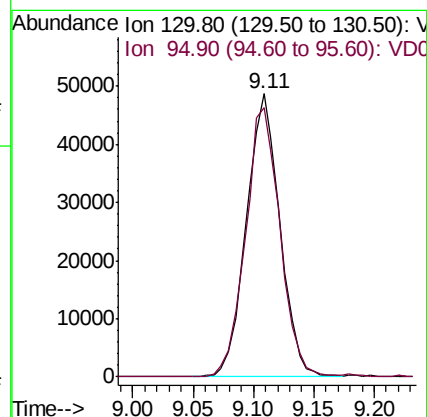
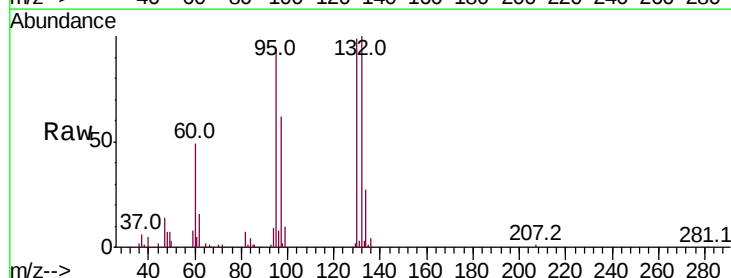
Acq: 04 Sep 2020 12:32

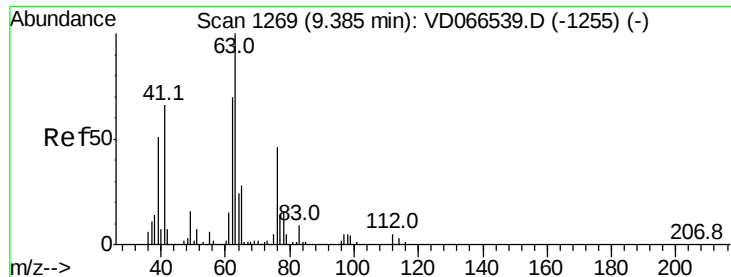
Tgt Ion:130 Resp: 94160

Ion Ratio Lower Upper

130 100

95 95.0 0.0 194.4





#45

1,2-Dichloropropane

Concen: 20.676 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

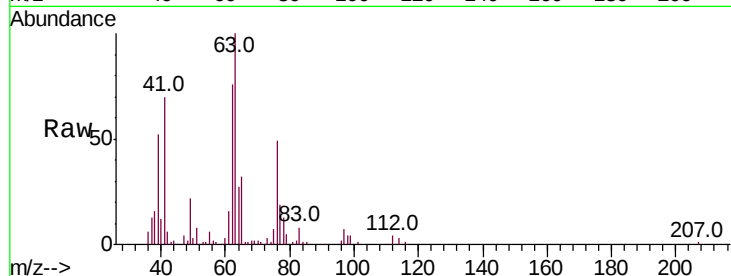
VD0904SBSD01

Tot Ion: 63 Resp: 90240

Ion Ratio Lower Upper

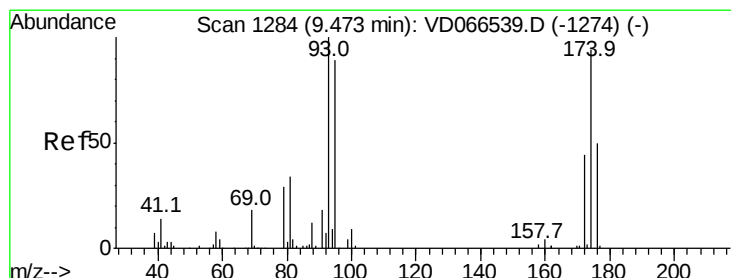
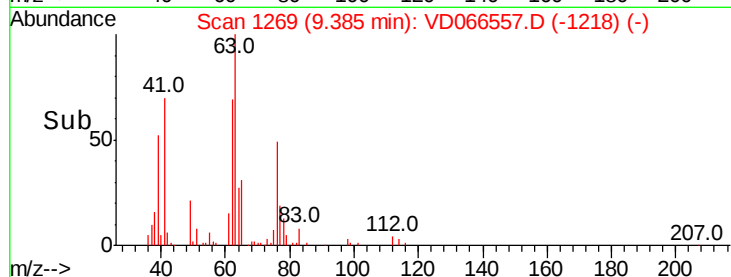
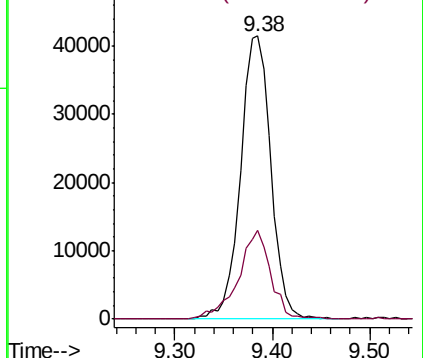
63 100

65 31.5 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.700 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

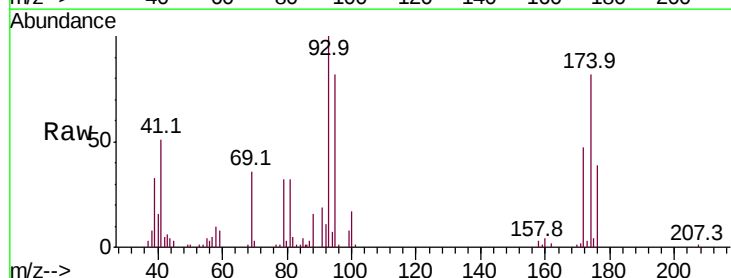
Tgt Ion: 93 Resp: 47437

Ion Ratio Lower Upper

93 100

95 84.7 68.7 103.1

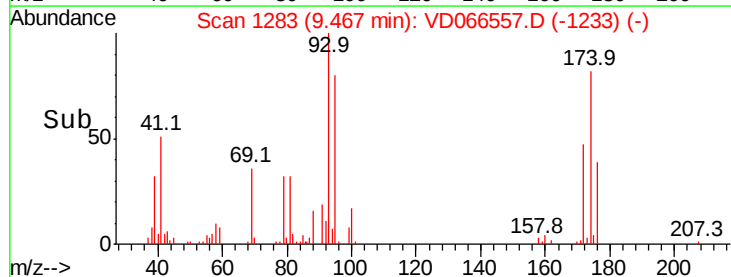
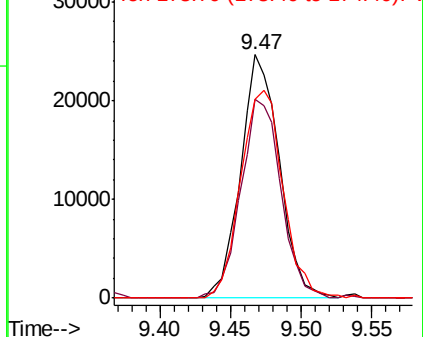
174 92.8 70.0 105.0

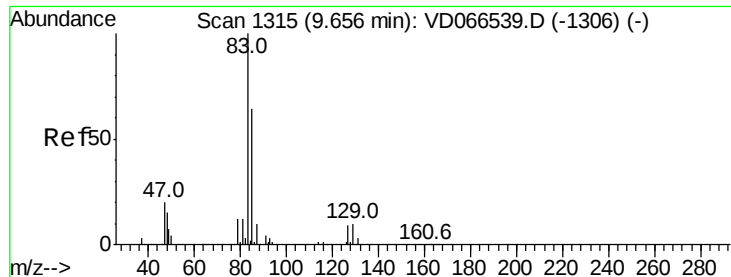


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.325 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

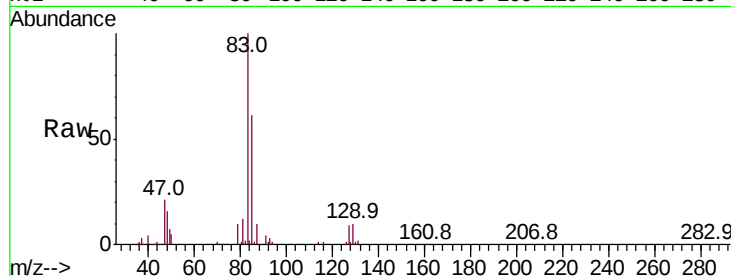
Tot Ion: 83 Resp: 132411

Ion Ratio Lower Upper

83 100

85 60.9 51.1 76.7

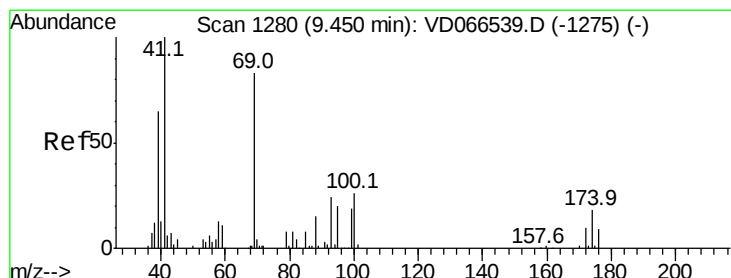
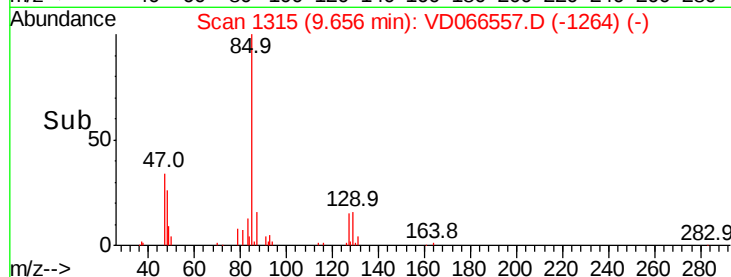
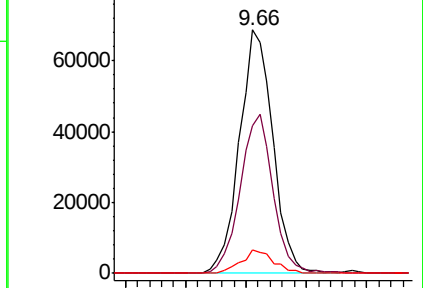
127 9.4 6.9 10.3



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: 20.913 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

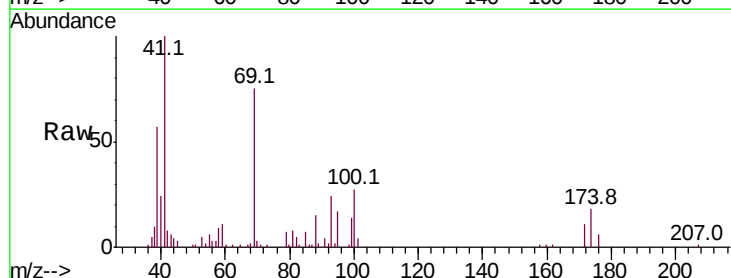
Tgt Ion: 41 Resp: 51135

Ion Ratio Lower Upper

41 100

69 75.0 64.5 96.7

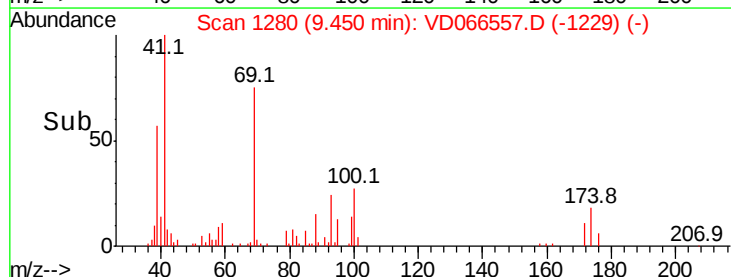
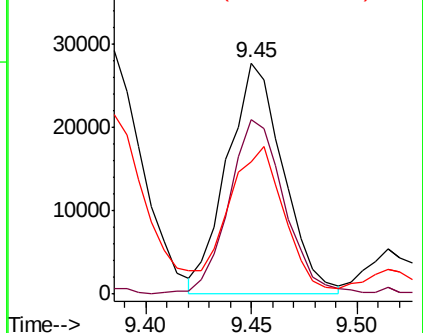
39 59.9 46.6 69.8

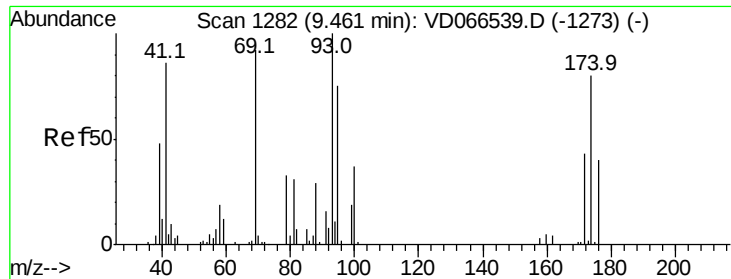


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 431.917 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

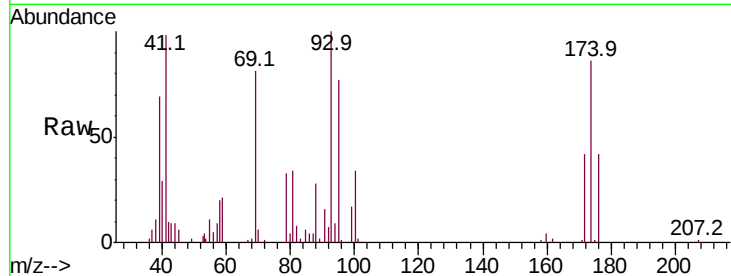
Tot Ion: 88 Resp: 11410

Ion Ratio Lower Upper

88 100

43 36.2 28.3 42.5

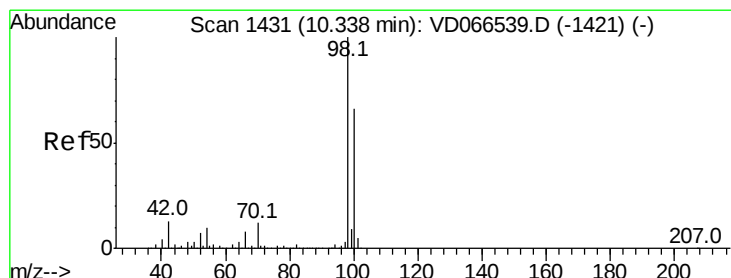
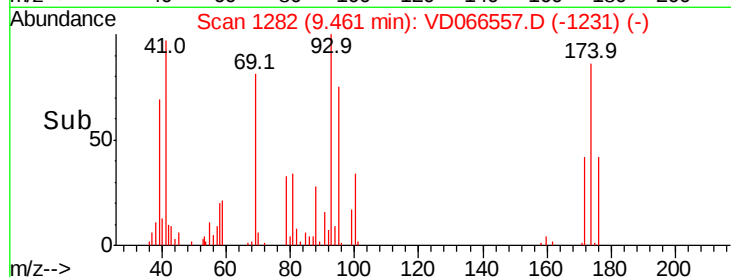
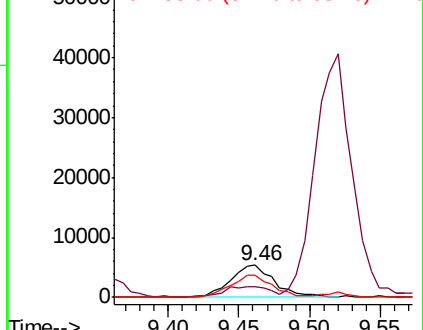
58 66.1 56.1 84.1



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: 54.574 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066557.D

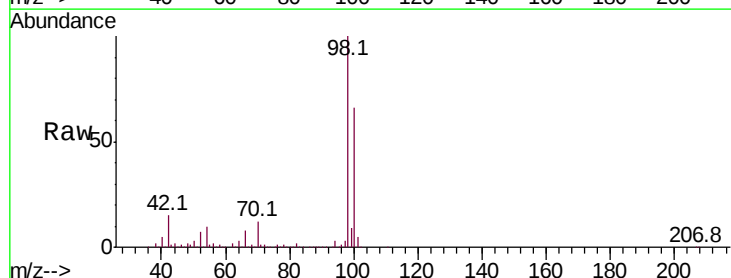
Acq: 04 Sep 2020 12:32

Tgt Ion: 98 Resp: 801238

Ion Ratio Lower Upper

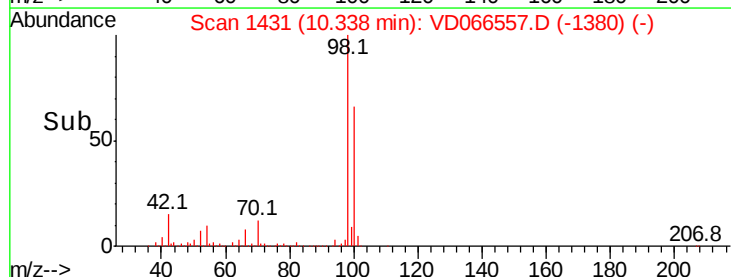
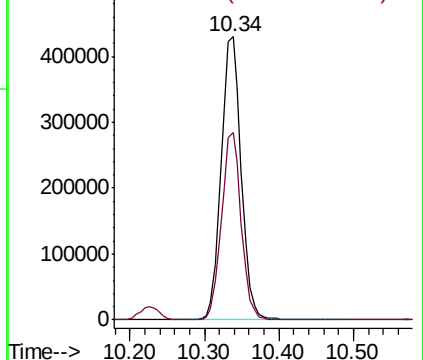
98 100

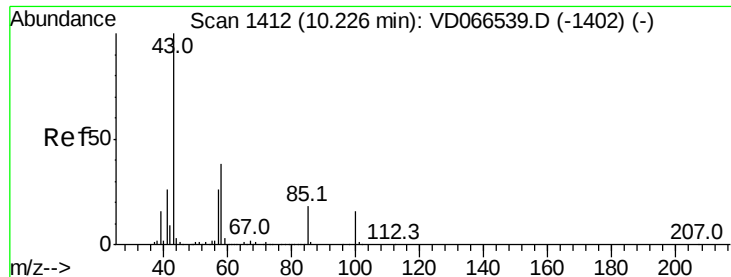
100 65.3 52.9 79.3



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: 102.883 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

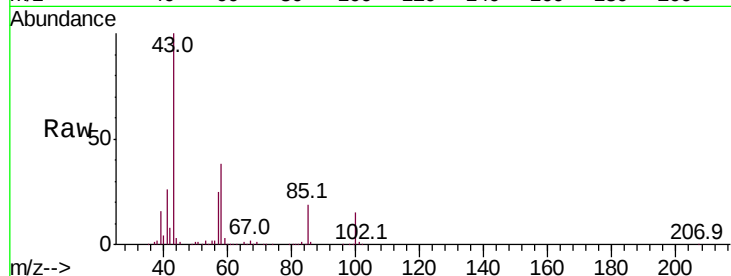
VD0904SBS01

Tot Ion: 43 Resp: 250905

Ion Ratio Lower Upper

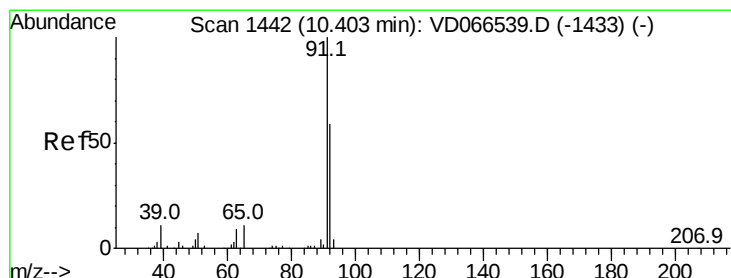
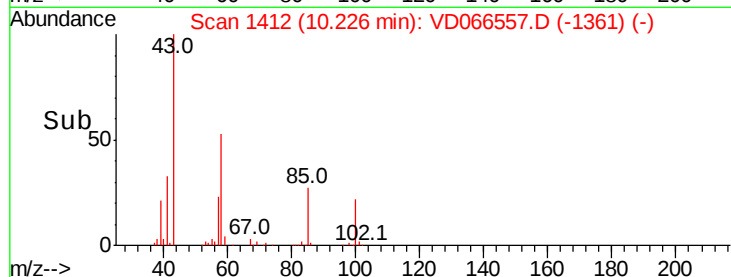
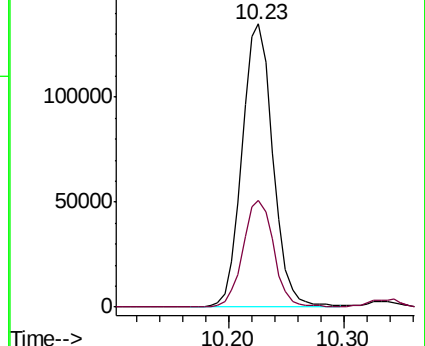
43 100

58 37.7 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.587 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066557.D

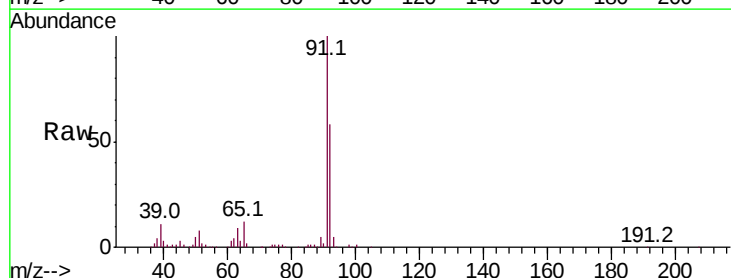
Acq: 04 Sep 2020 12:32

Tgt Ion: 92 Resp: 226167

Ion Ratio Lower Upper

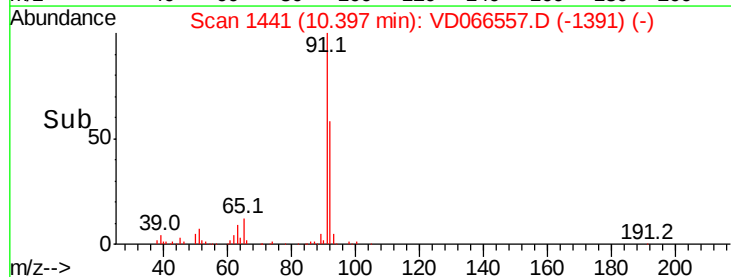
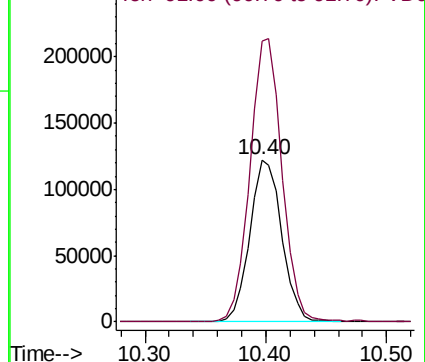
92 100

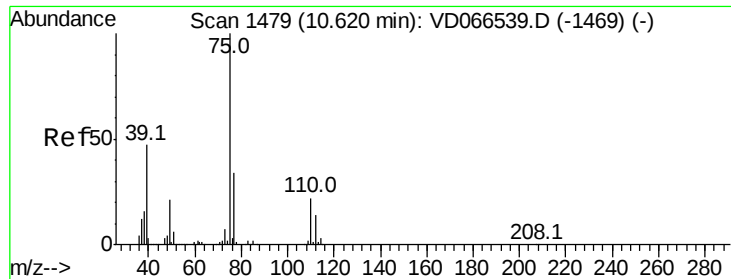
91 174.5 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.604 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

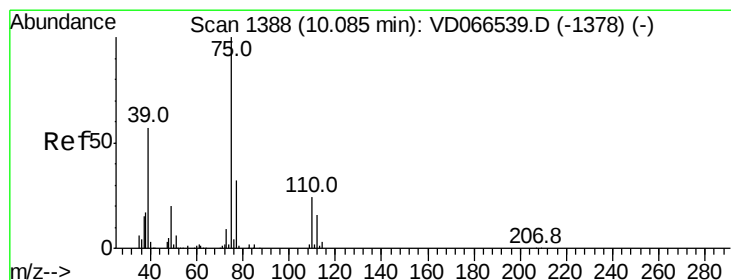
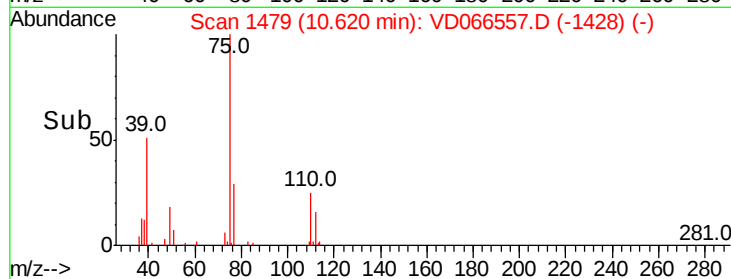
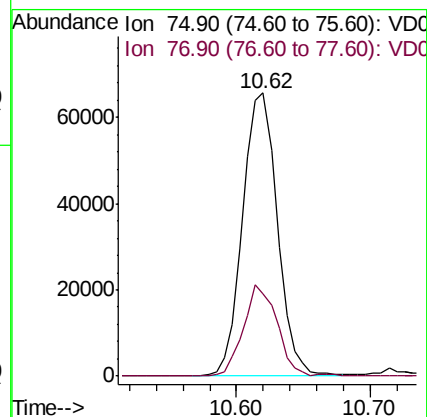
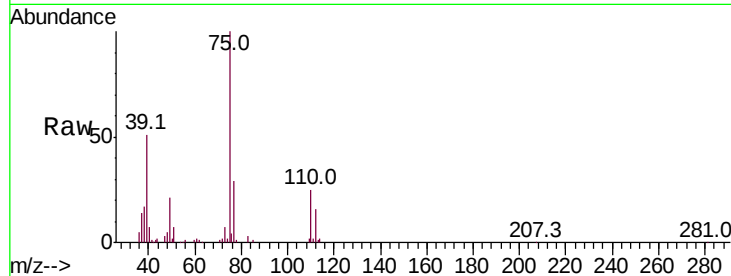
VD0904SBSD01

Tot Ion: 75 Resp: 118493

Ion Ratio Lower Upper

75 100

77 29.1 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 20.396 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

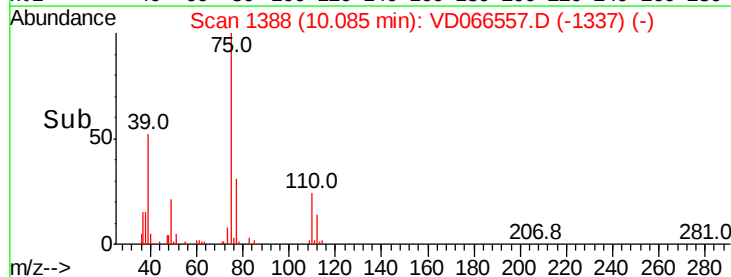
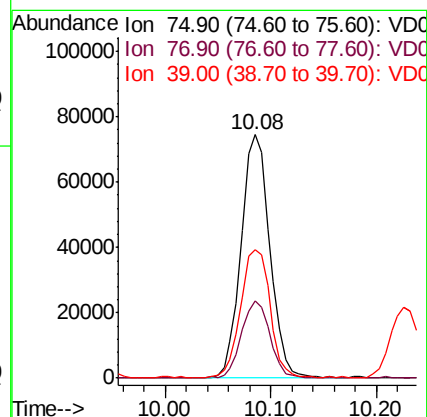
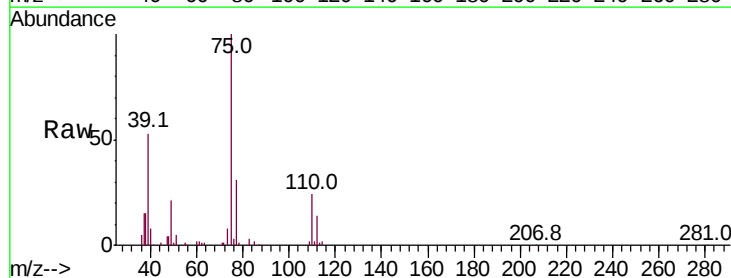
Tgt Ion: 75 Resp: 140864

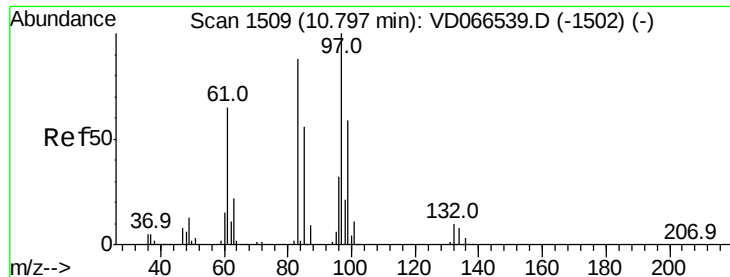
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 52.3 45.4 68.0

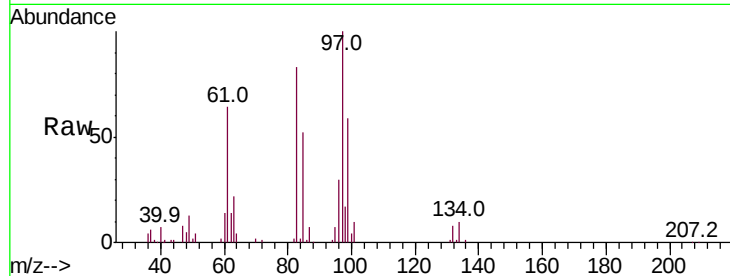




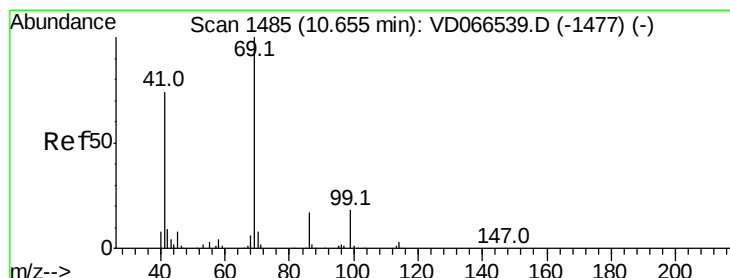
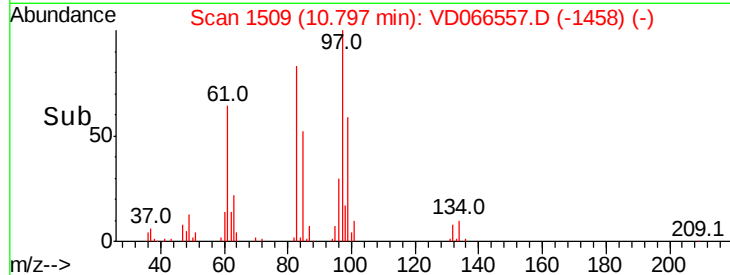
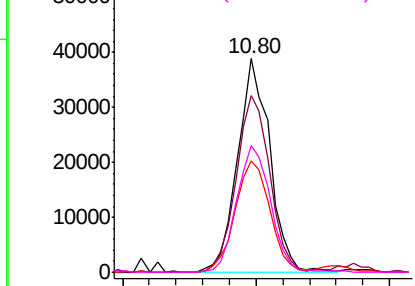
#55
 1,1,2-Trichloroethane
 Concen: 21.008 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion: 97 Resp: 65042
 Ion Ratio Lower Upper
 97 100
 83 82.6 70.1 105.1
 85 52.0 44.5 66.7
 99 59.1 47.1 70.7

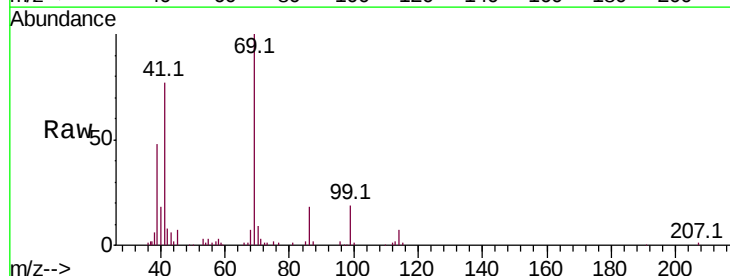


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

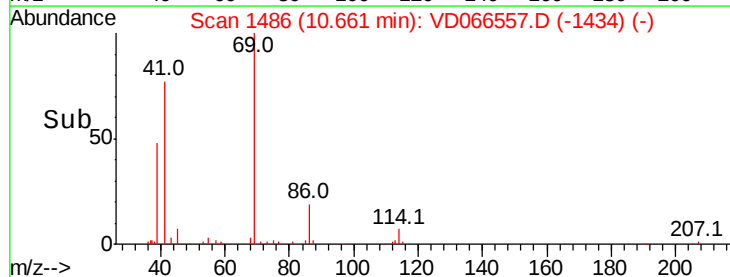
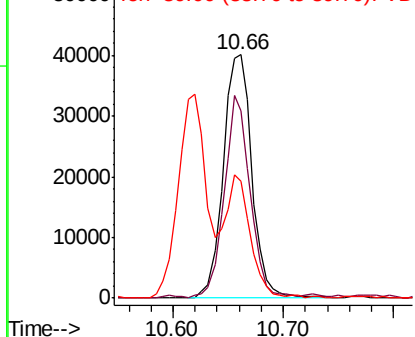


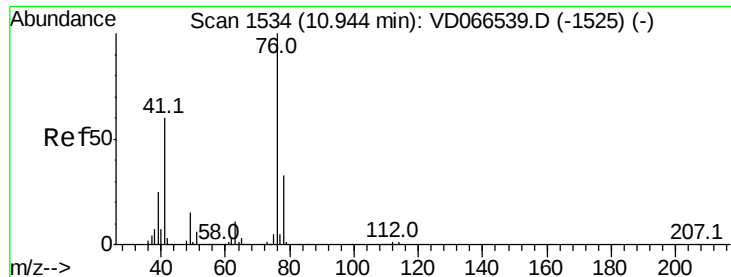
#56
 Ethyl methacrylate
 Concen: 20.178 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion: 69 Resp: 72739
 Ion Ratio Lower Upper
 69 100
 41 75.0 56.8 85.2
 39 45.7 30.6 46.0



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





#57

1,3-Dichloropropane

Concen: 21.073 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

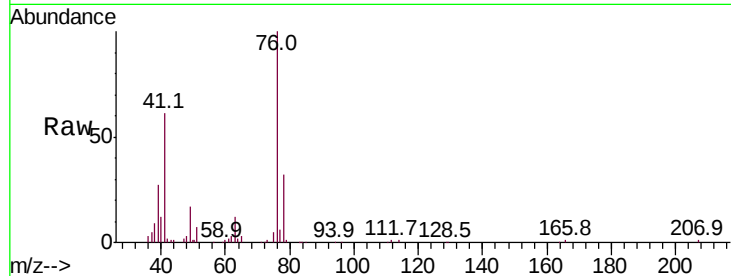
VD0904SBSD01

Tot Ion: 76 Resp: 114276

Ion Ratio Lower Upper

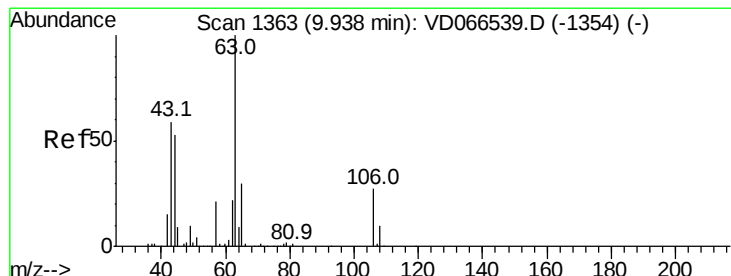
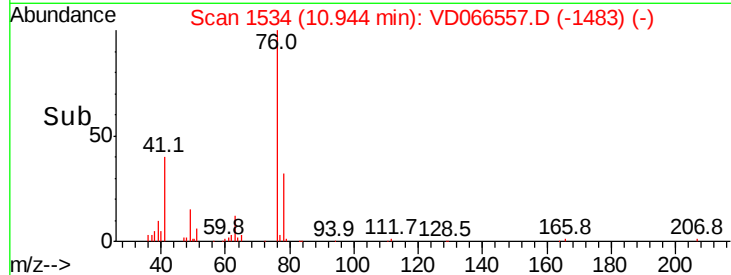
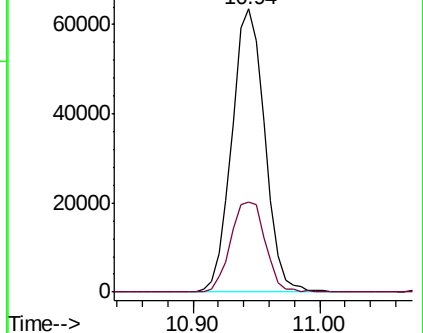
76 100

78 33.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 115.653 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066557.D

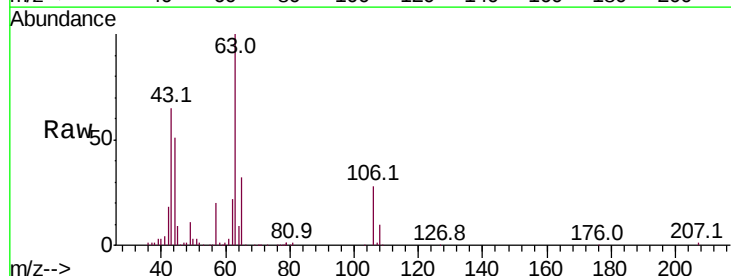
Acq: 04 Sep 2020 12:32

Tgt Ion: 63 Resp: 190692

Ion Ratio Lower Upper

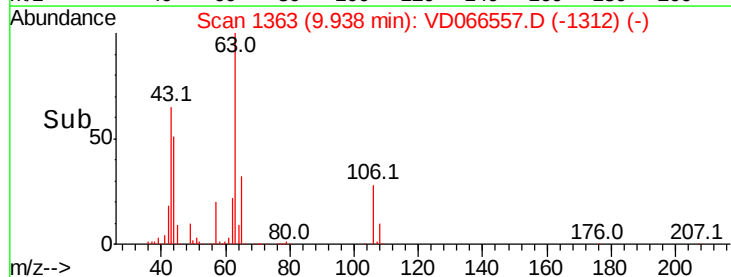
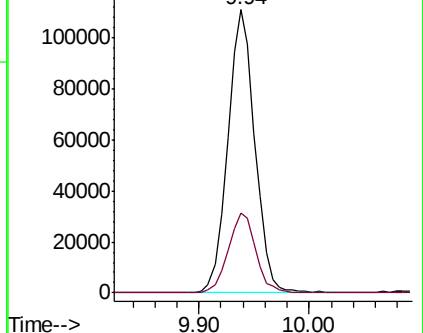
63 100

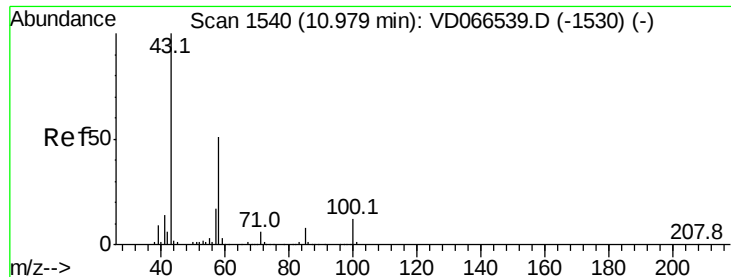
106 28.7 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

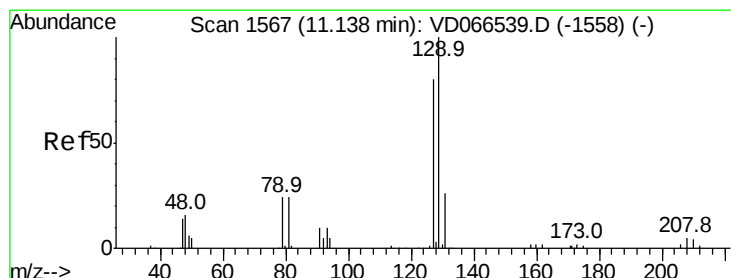
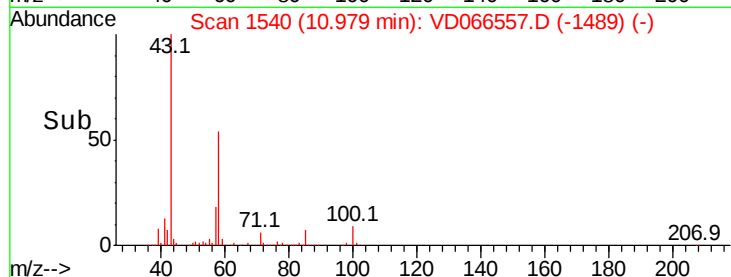
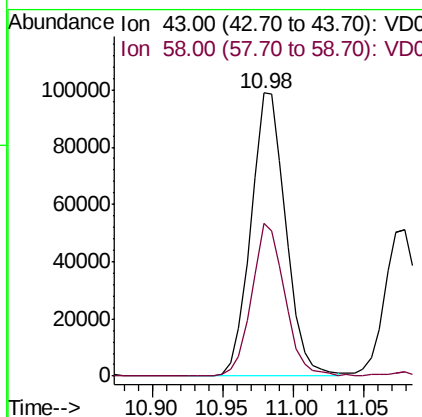
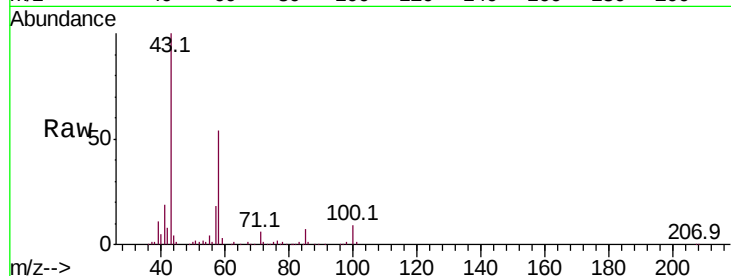




#59
2-Hexanone
Concen: 104.929 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

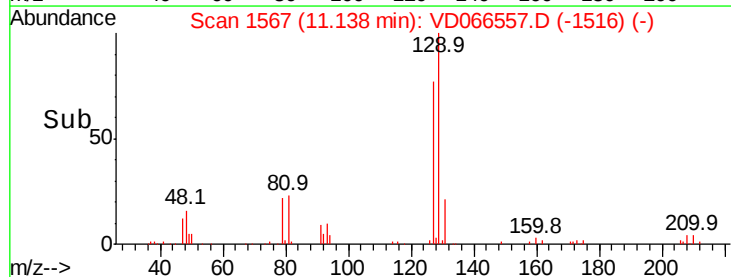
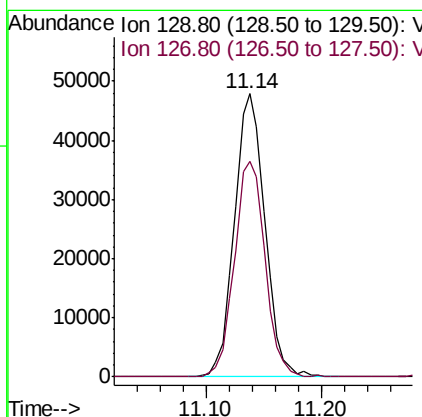
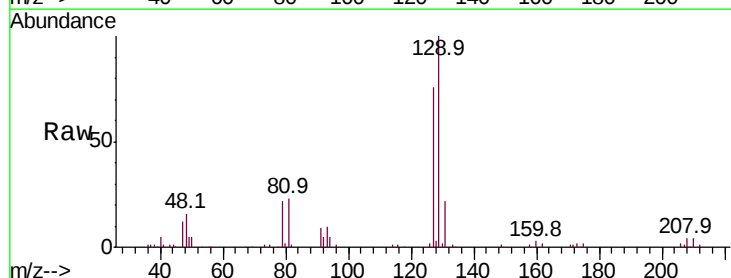
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

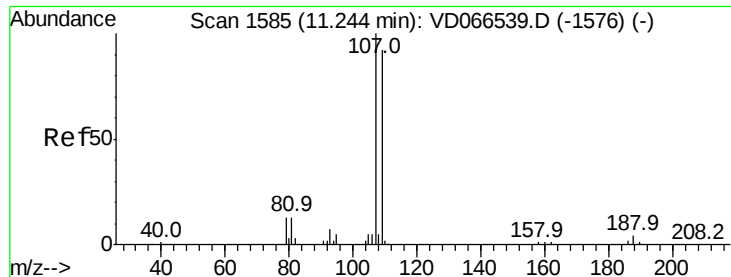
Tot Ion: 43 Resp: 172085
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8



#60
Dibromochloromethane
Concen: 21.392 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 129 Resp: 87581
Ion Ratio Lower Upper
129 100
127 76.2 39.5 118.3

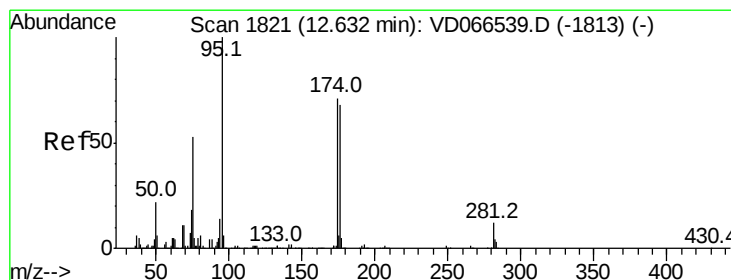
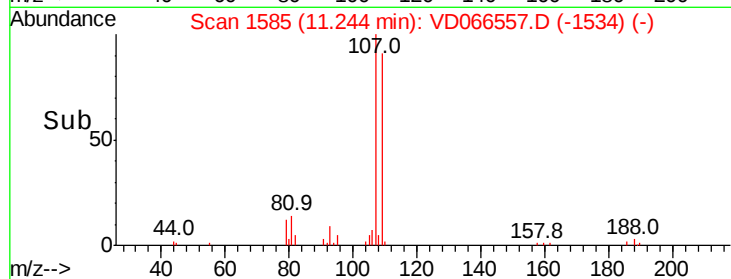
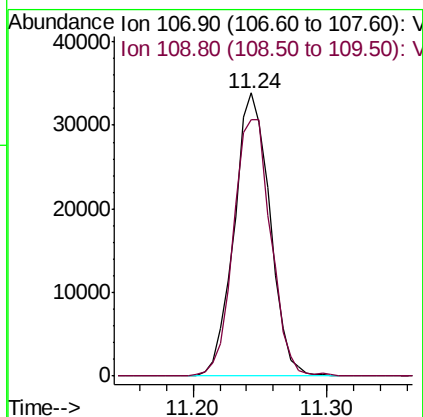
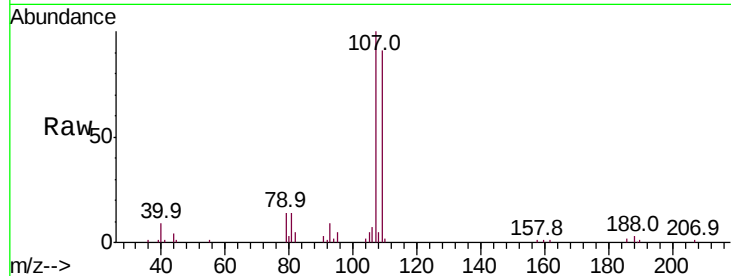




#61
 1,2-Dibromoethane
 Concen: 20.794 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

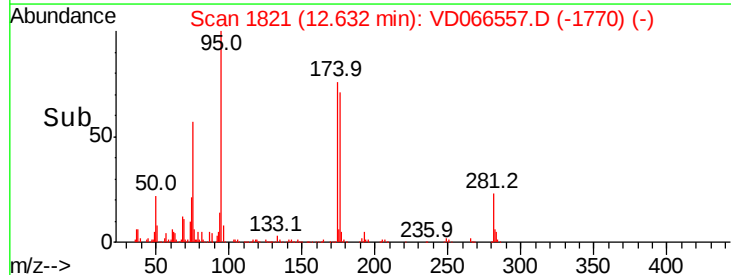
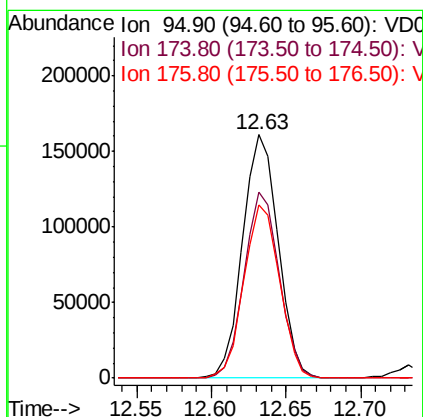
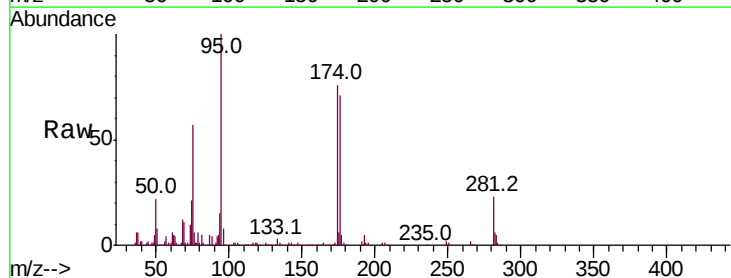
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

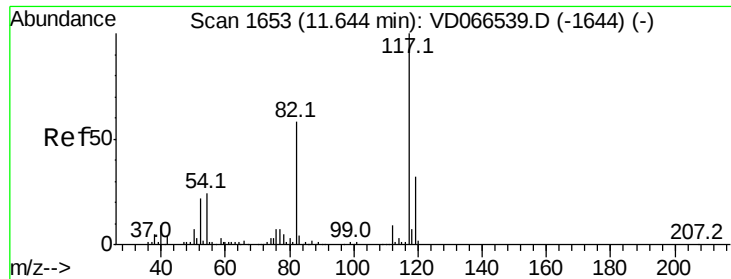
Tot Ion:107 Resp: 62632
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 54.630 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion: 95 Resp: 265954
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 155.8
 176 71.4 0.0 148.6

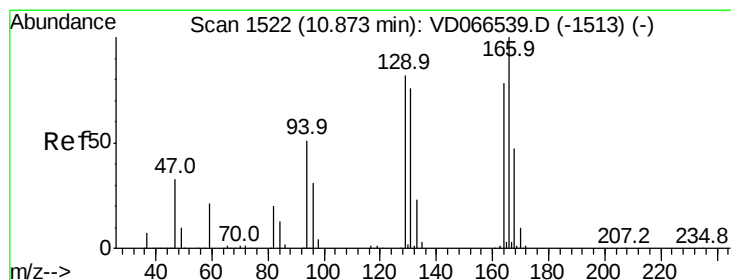
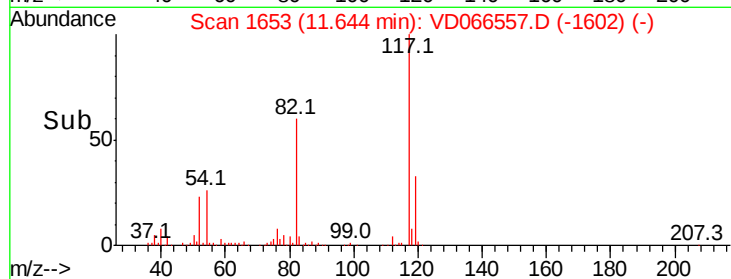
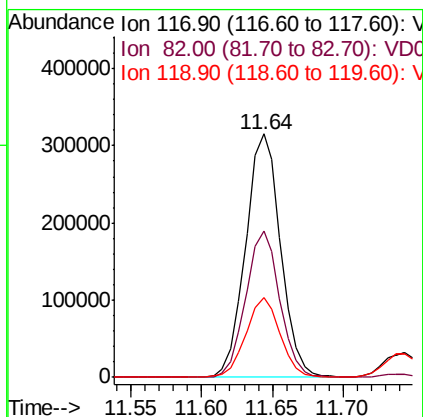
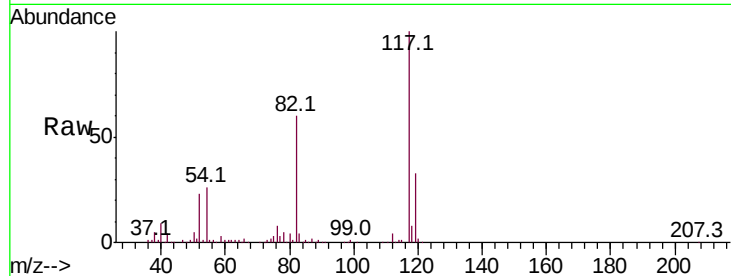




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

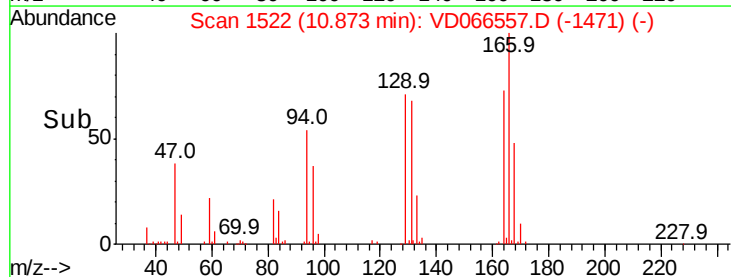
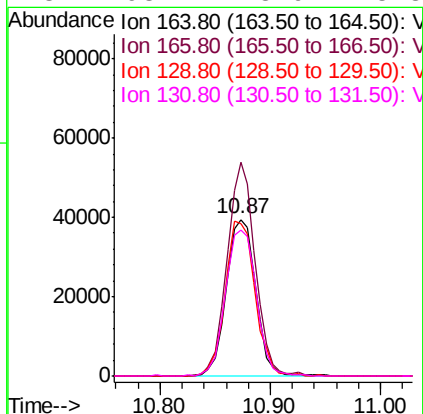
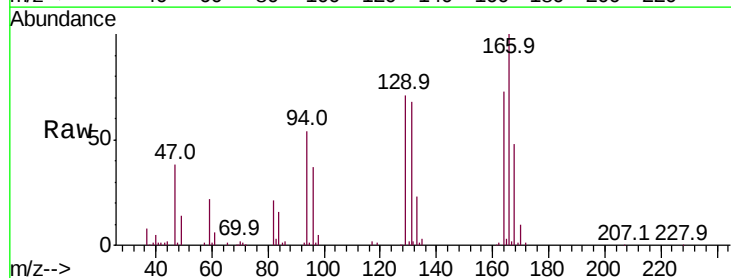
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

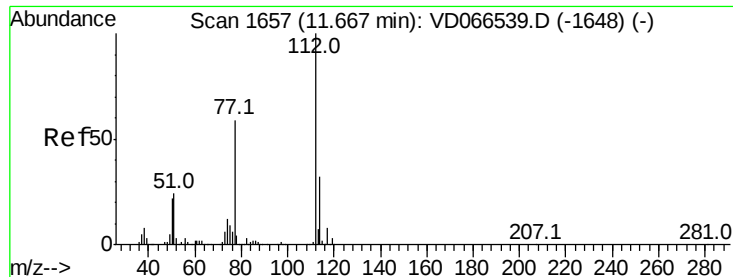
Tot Ion:117 Resp: 548007
Ion Ratio Lower Upper
117 100
82 60.0 46.2 69.2
119 32.9 25.8 38.8



#64
Tetrachloroethene
Concen: 20.023 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion:164 Resp: 73881
Ion Ratio Lower Upper
164 100
166 136.2 103.2 154.8
129 97.3 84.5 126.7
131 93.2 78.9 118.3





#65

Chlorobenzene

Concen: 20.886 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

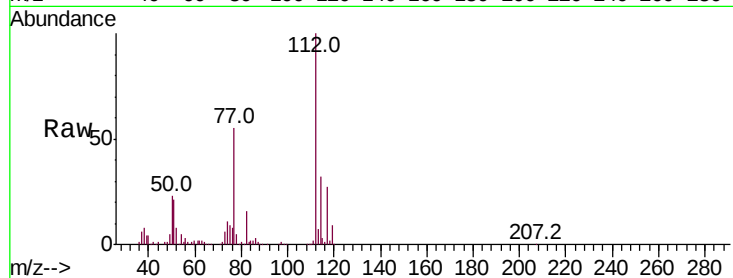
VD0904SBSD01

Tot Ion:112 Resp: 236229

Ion Ratio Lower Upper

112 100

114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

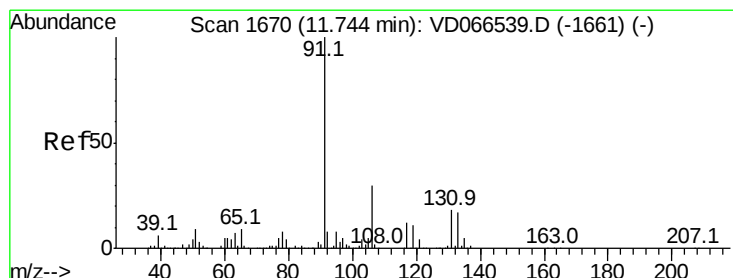
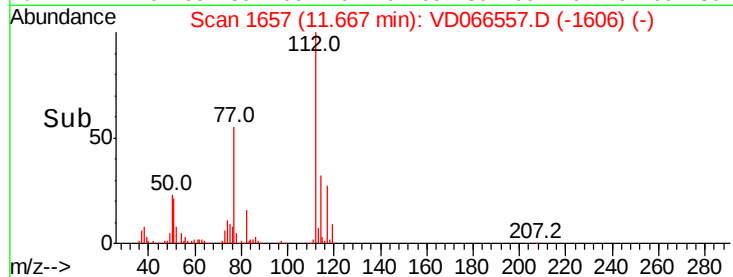
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.833 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

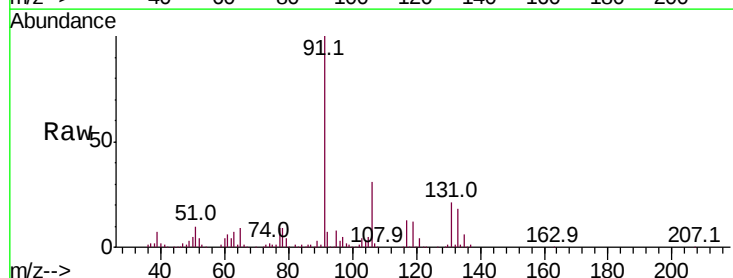
Tgt Ion:131 Resp: 89928

Ion Ratio Lower Upper

131 100

133 95.2 46.7 140.0

119 60.8 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

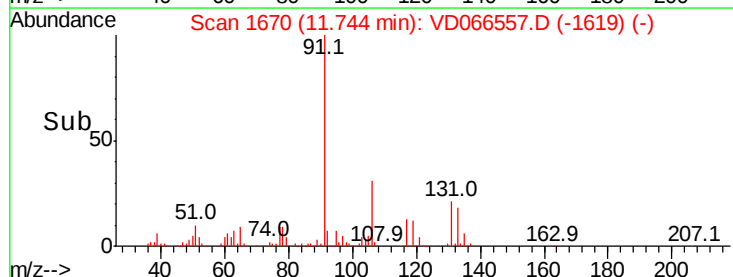
11.74

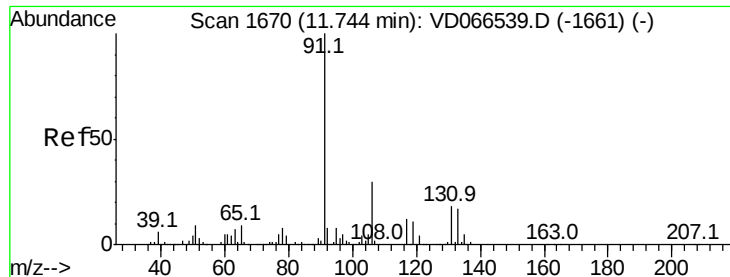
100000

50000

0

Time-->

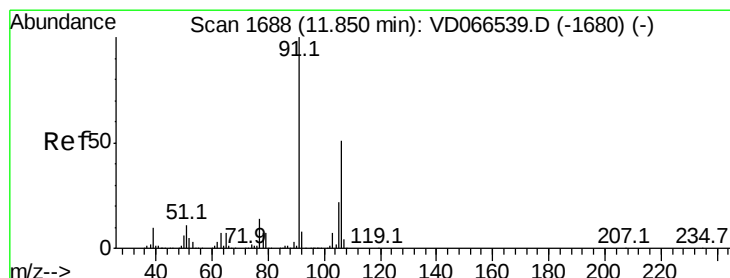
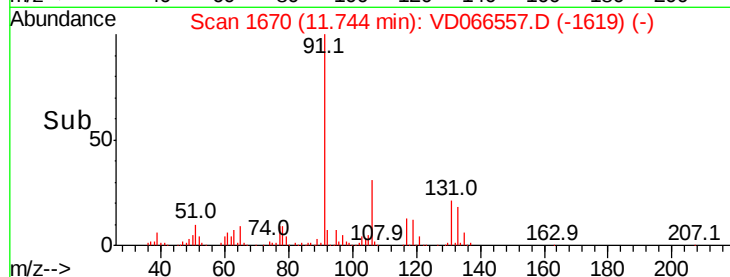
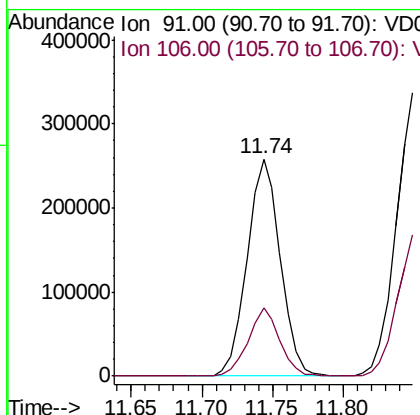
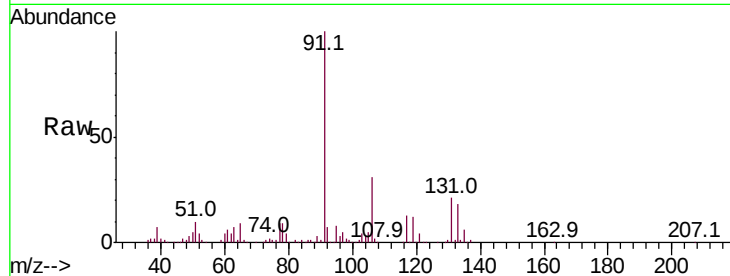




#67
Ethyl Benzene
Concen: 20.462 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

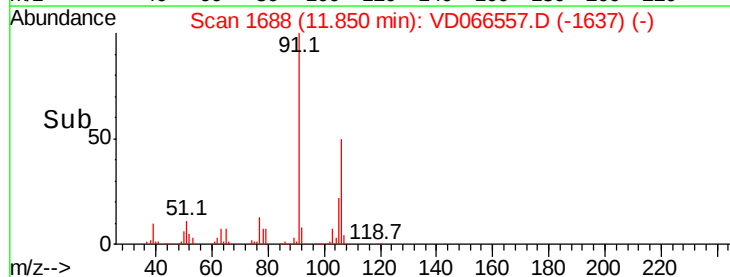
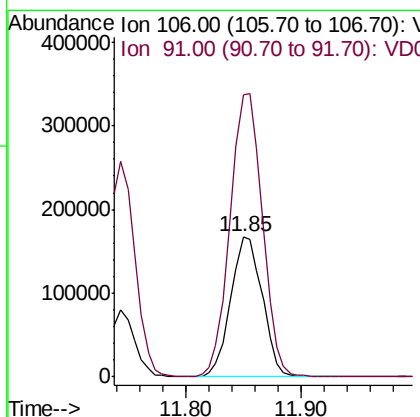
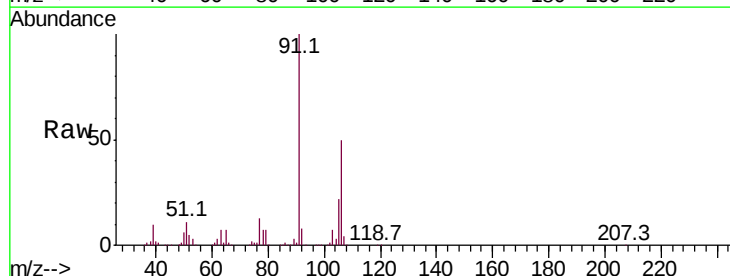
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

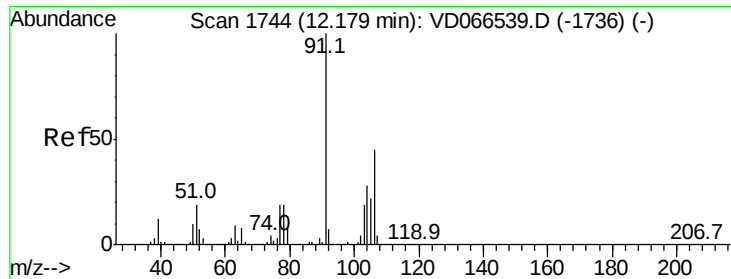
Tot Ion: 91 Resp: 424950
Ion Ratio Lower Upper
91 100
106 31.2 24.3 36.5



#68
m/p-Xylenes
Concen: 41.242 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 106 Resp: 318026
Ion Ratio Lower Upper
106 100
91 207.1 162.4 243.6

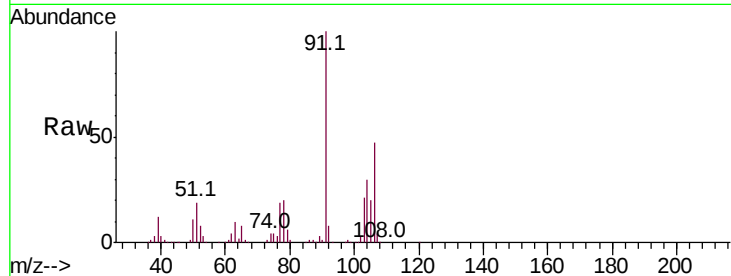




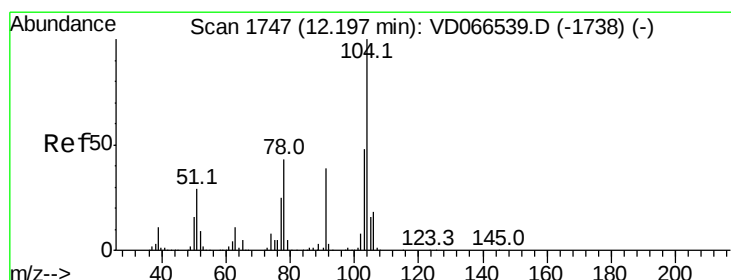
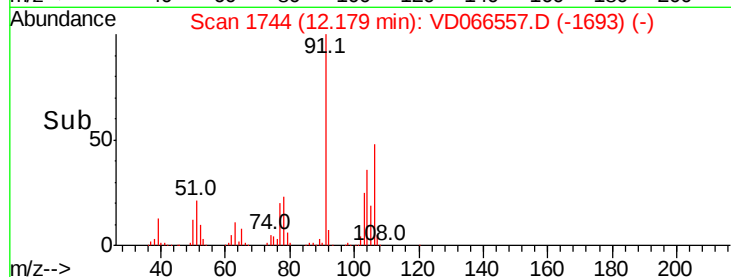
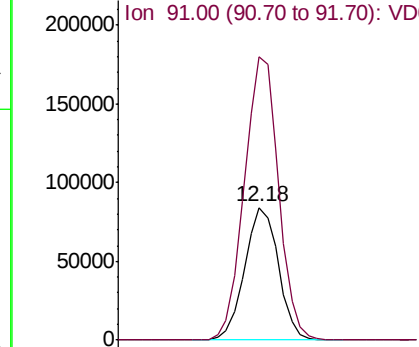
#69
o-Xylene
Concen: 20.394 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion:106 Resp: 140942
Ion Ratio Lower Upper
106 100
91 217.1 107.9 323.8

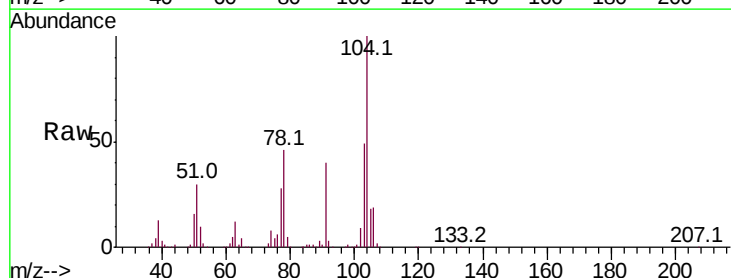


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

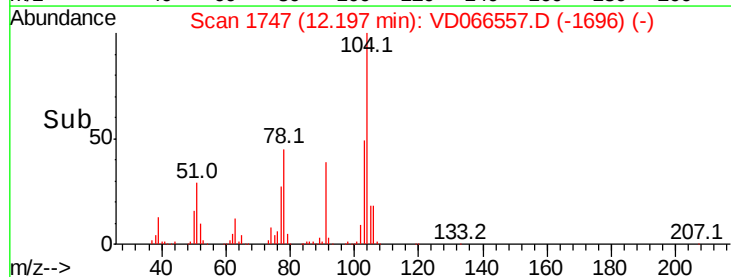
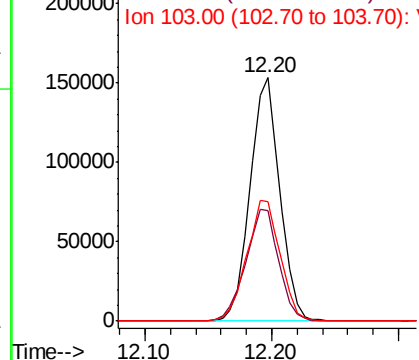


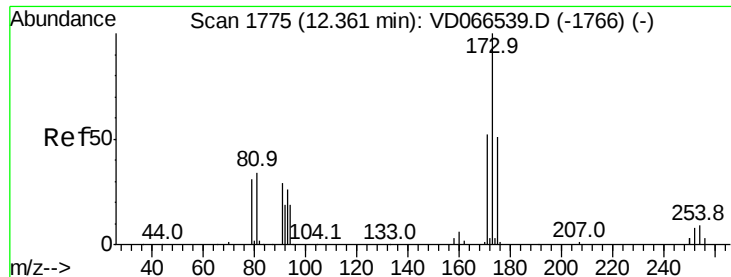
#70
Styrene
Concen: 20.887 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion:104 Resp: 250943
Ion Ratio Lower Upper
104 100
78 50.9 40.7 61.1
103 55.6 42.9 64.3



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





#71

Bromoform

Concen: 20.257 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

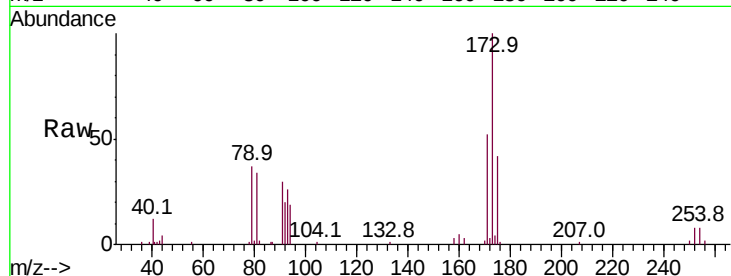
Tot Ion:173 Resp: 44068

Ion Ratio Lower Upper

173 100

175 46.0 24.2 72.6

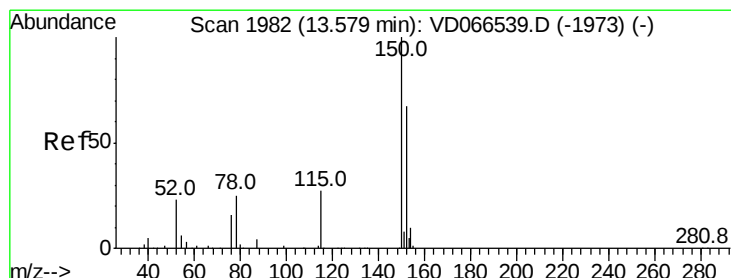
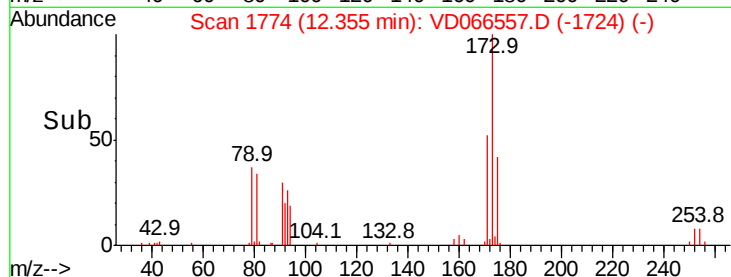
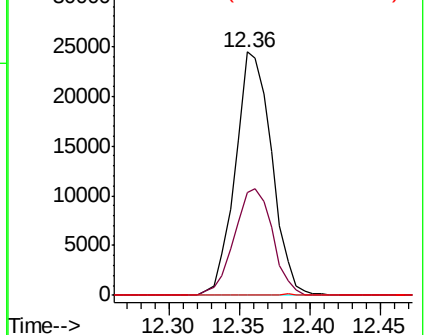
254 0.0 0.0 0.0



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: VD066557.D

Acq: 04 Sep 2020 12:32

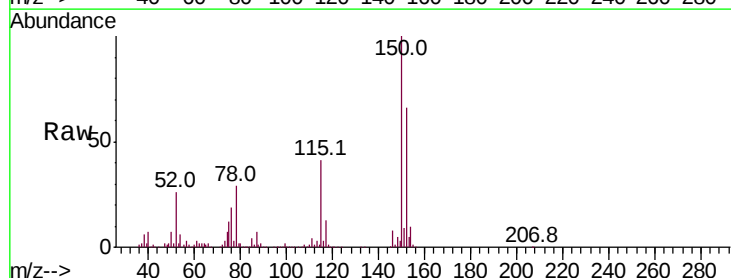
Tgt Ion:152 Resp: 256572

Ion Ratio Lower Upper

152 100

115 62.7 30.4 91.2

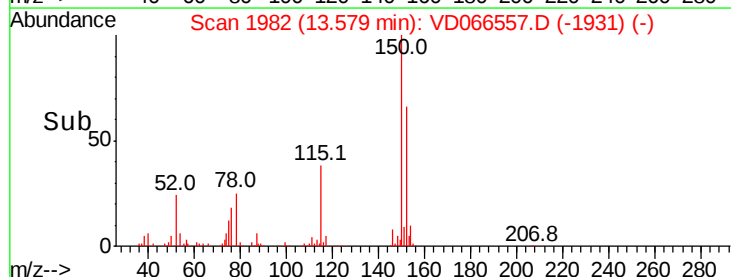
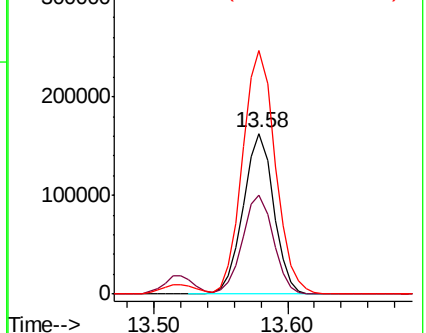
150 163.1 0.0 345.8

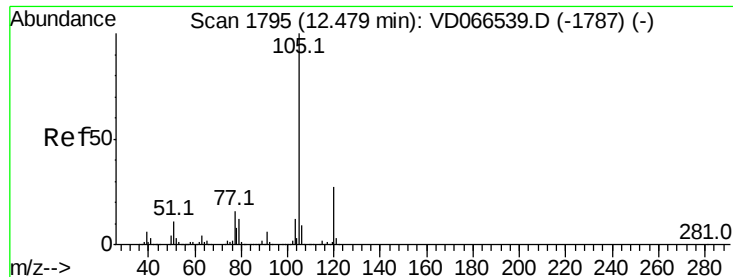


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.811 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

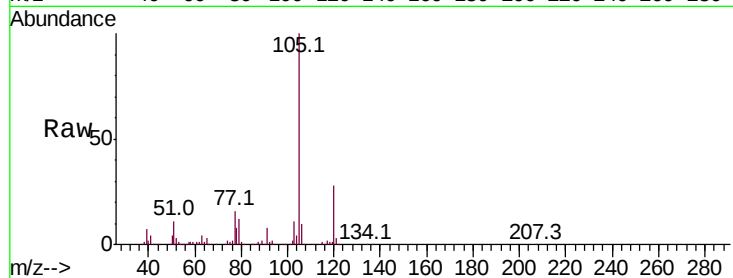
VD0904SBSD01

Tot Ion:105 Resp: 395327

Ion Ratio Lower Upper

105 100

120 26.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

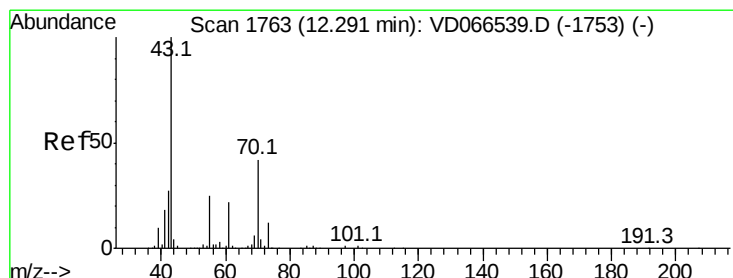
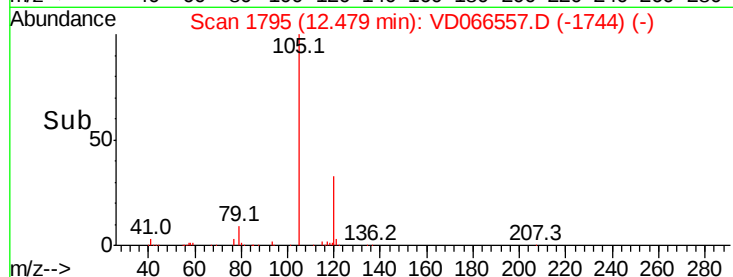
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.514 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion: 43 Resp: 92564

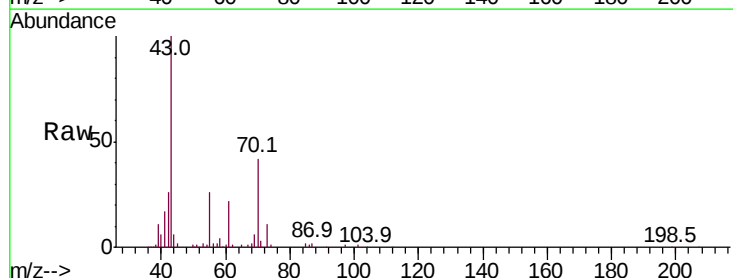
Ion Ratio Lower Upper

43 100

70 38.0 33.4 50.2

55 24.8 20.1 30.1

61 20.9 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

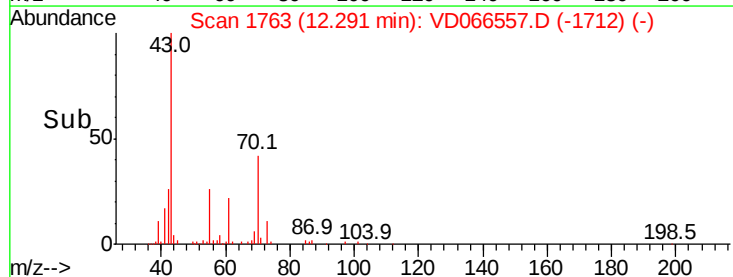
20000

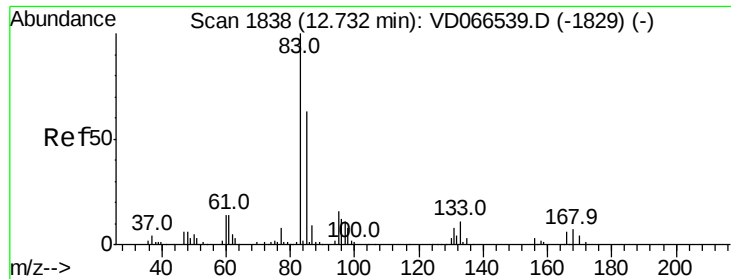
0

12.20

12.30

Time-->

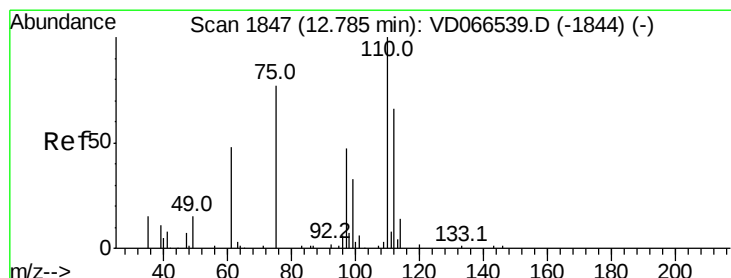
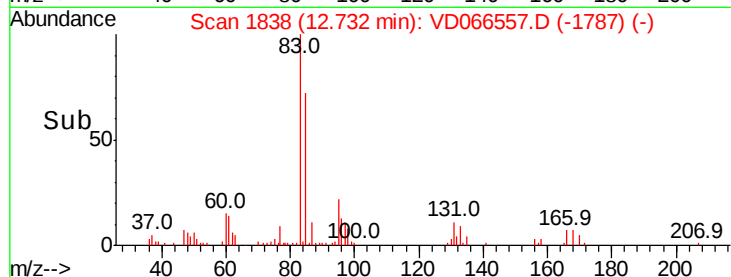
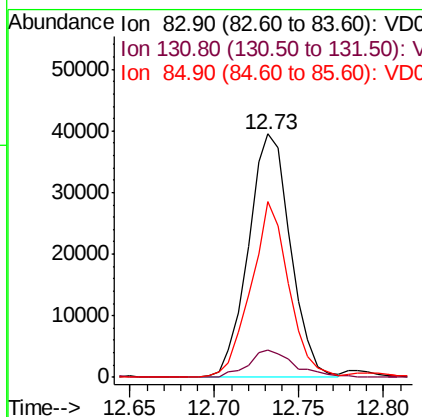
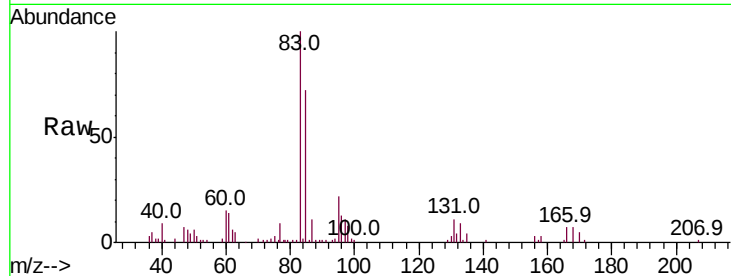




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.394 ug/l
 RT: 12.73 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

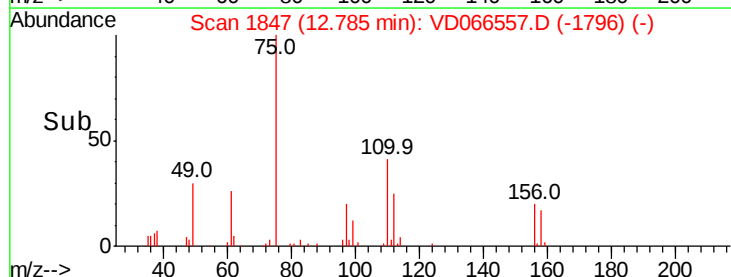
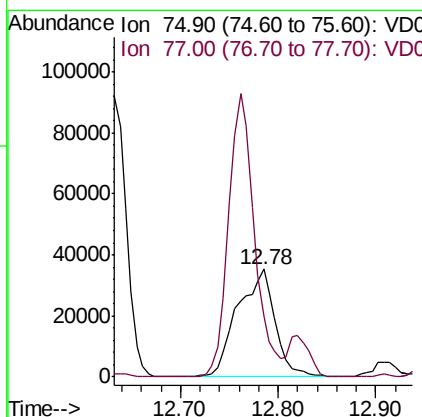
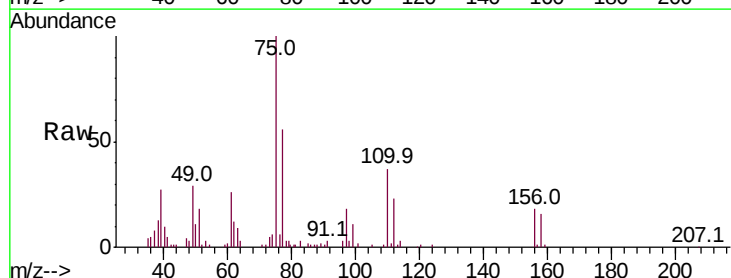
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

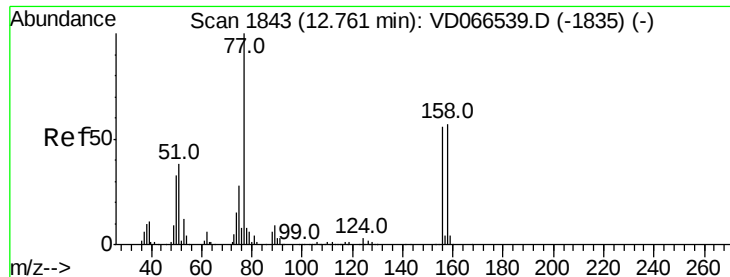
Tot Ion: 83 Resp: 68441
 Ion Ratio Lower Upper
 83 100
 131 12.2 5.0 15.0
 85 65.2 32.1 96.3



#76
 1,2,3-Trichloropropane
 Concen: 38.387 ug/l
 RT: 12.78 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion: 75 Resp: 94722
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.479 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

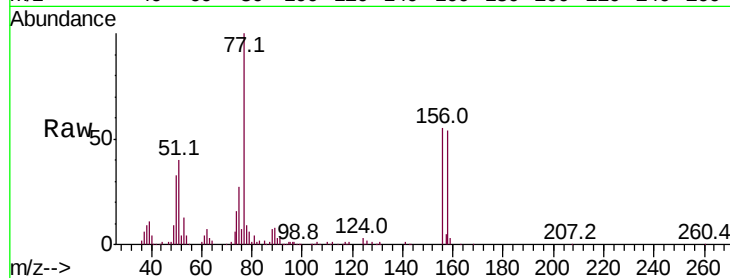
Tot Ion:156 Resp: 86732

Ion Ratio Lower Upper

156 100

77 198.1 98.0 294.1

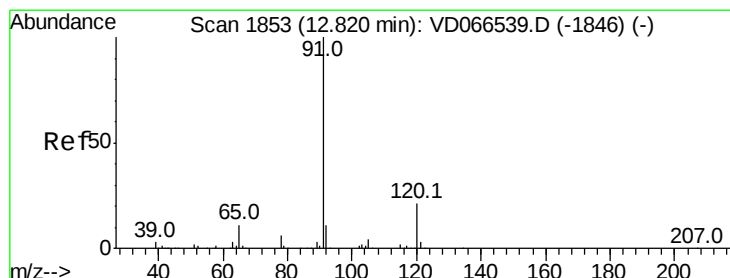
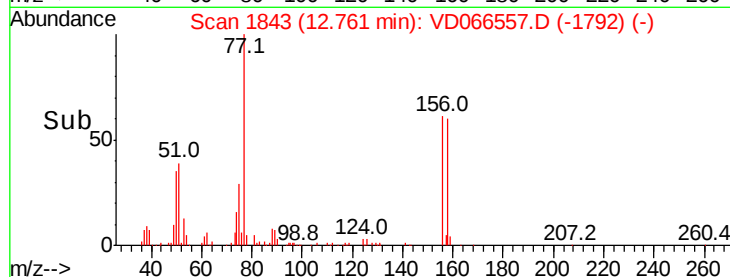
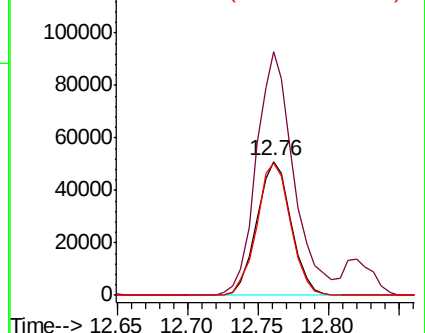
158 97.5 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.145 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066557.D

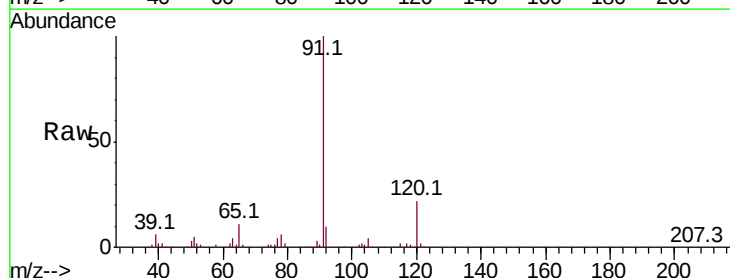
Acq: 04 Sep 2020 12:32

Tgt Ion: 91 Resp: 486944

Ion Ratio Lower Upper

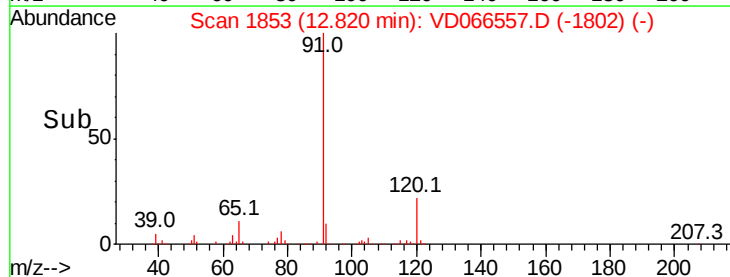
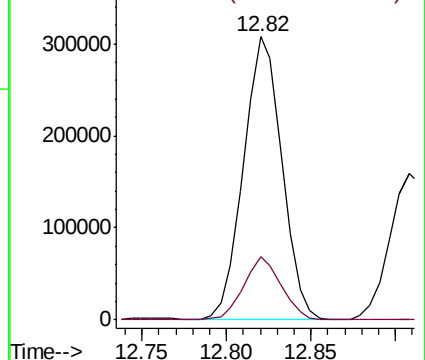
91 100

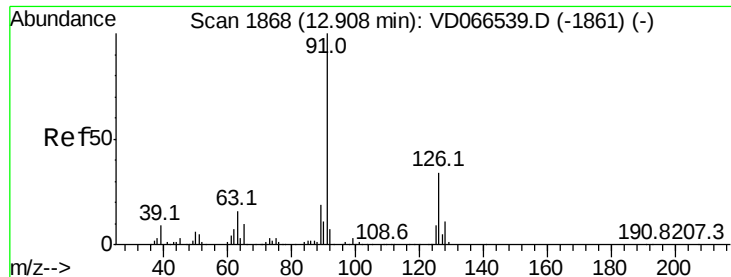
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.175 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

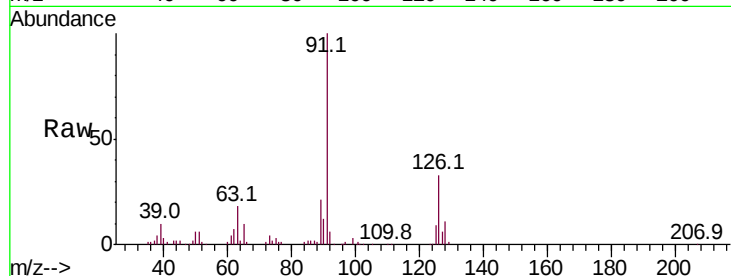
VD0904SBS01

Tot Ion: 91 Resp: 273557

Ion Ratio Lower Upper

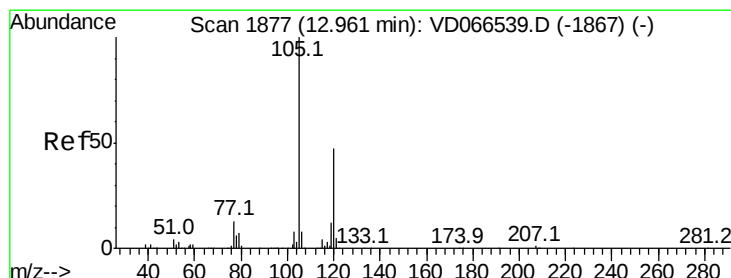
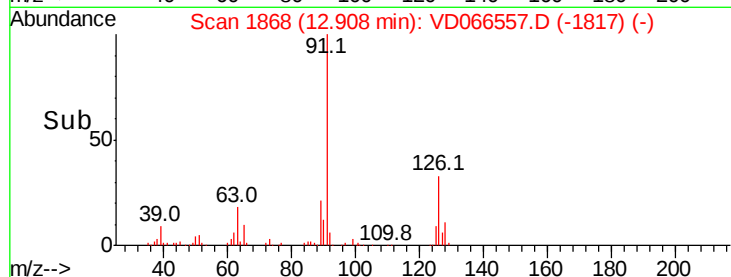
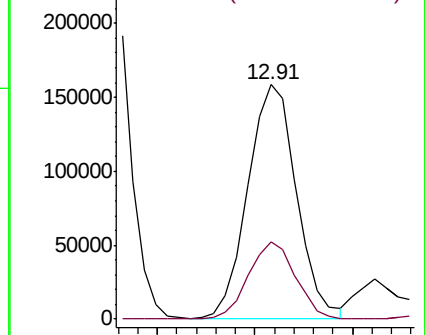
91 100

126 32.1 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: 21.183 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066557.D

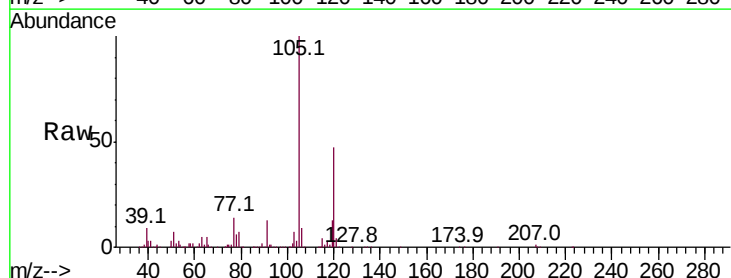
Acq: 04 Sep 2020 12:32

Tgt Ion:105 Resp: 338680

Ion Ratio Lower Upper

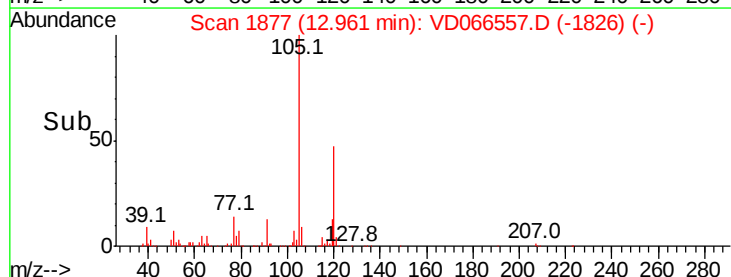
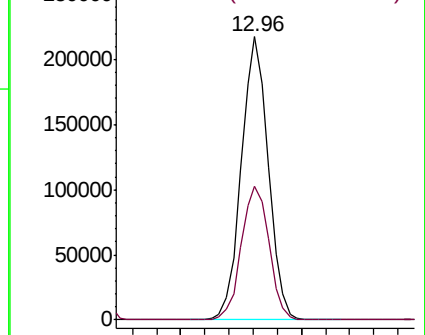
105 100

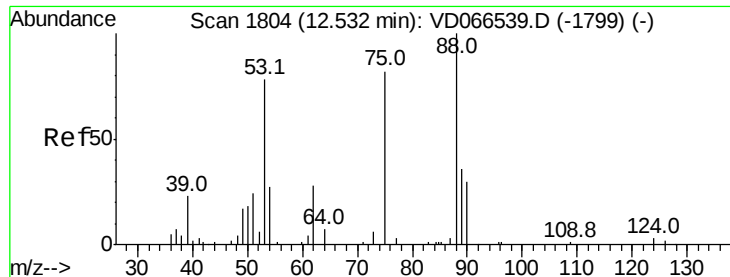
120 48.7 23.9 71.8



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: 21.249 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

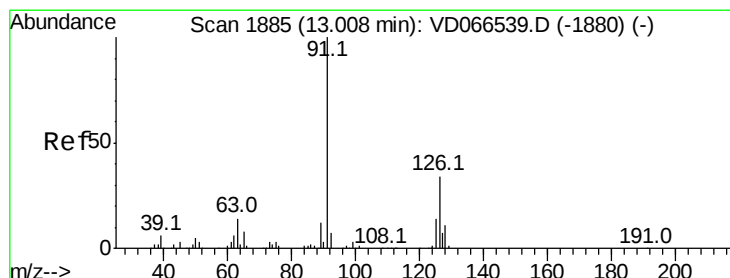
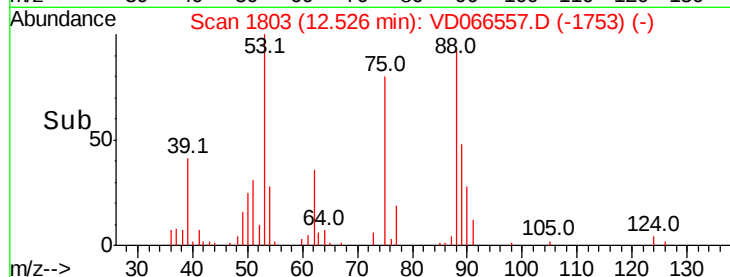
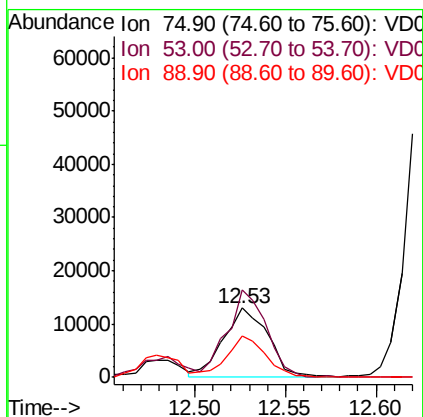
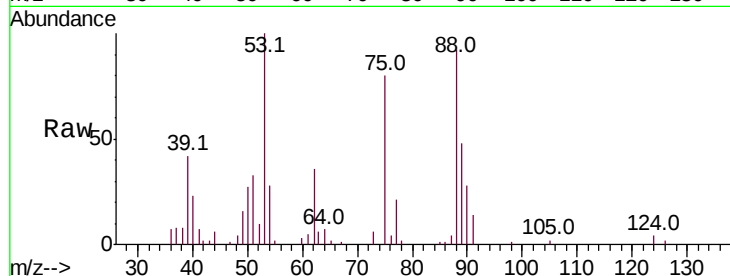
Tot Ion: 75 Resp: 22459

Ion Ratio Lower Upper

75 100

53 107.9 87.0 130.4

89 50.9 37.1 55.7



#82

4-Chlorotoluene

Concen: 21.182 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066557.D

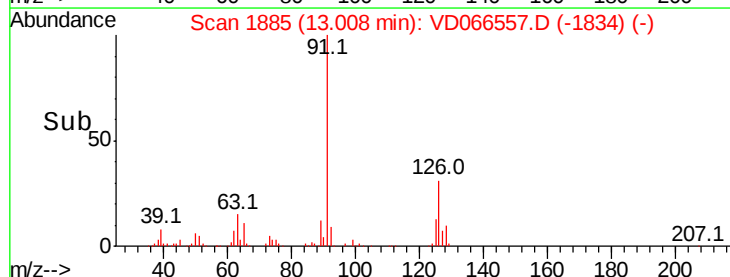
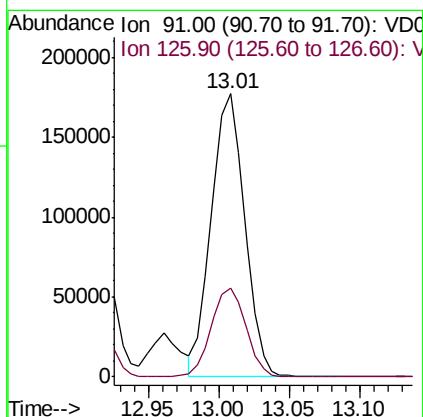
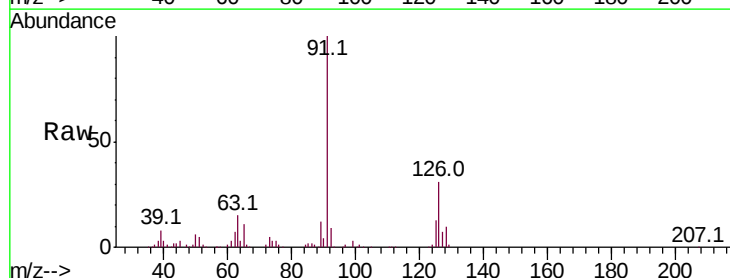
Acq: 04 Sep 2020 12:32

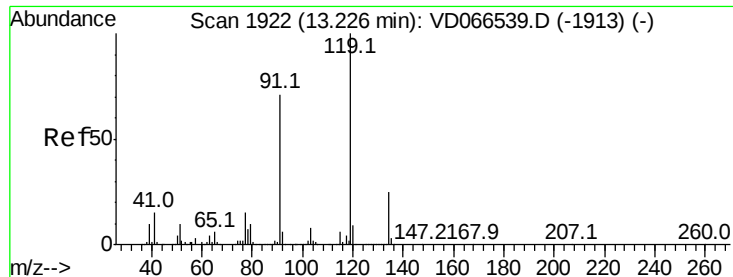
Tgt Ion: 91 Resp: 292622

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.1





#83

tert-Butylbenzene

Concen: 20.822 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

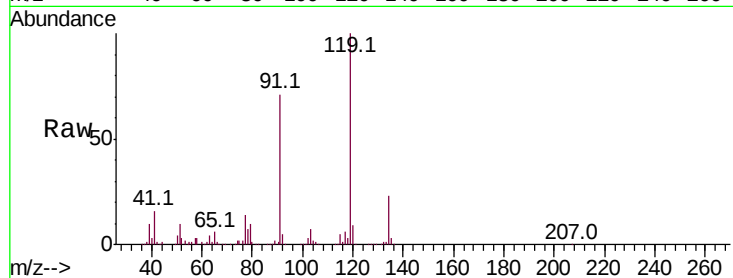
Tot Ion:119 Resp: 271863

Ion Ratio Lower Upper

119 100

91 70.1 35.2 105.6

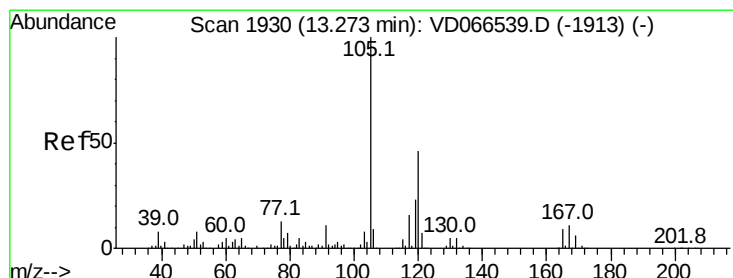
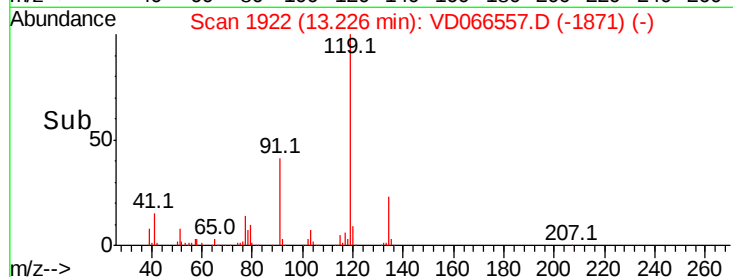
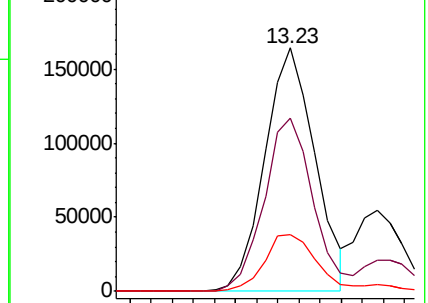
134 26.1 13.5 40.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.095 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066557.D

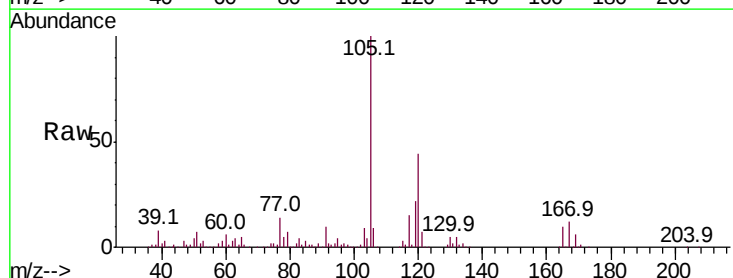
Acq: 04 Sep 2020 12:32

Tgt Ion:105 Resp: 335806

Ion Ratio Lower Upper

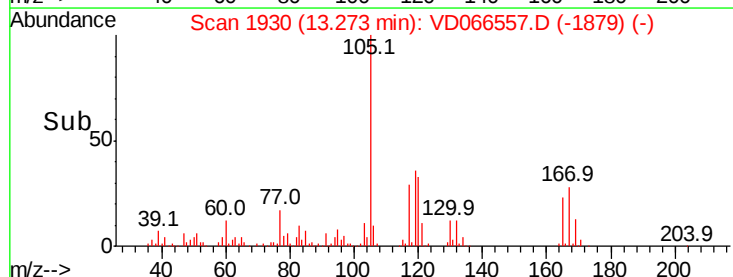
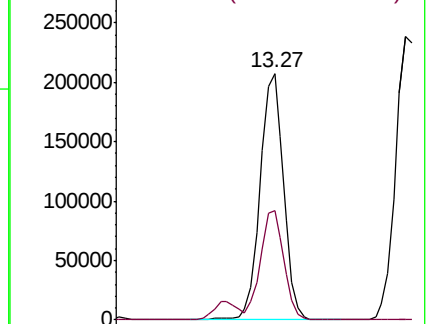
105 100

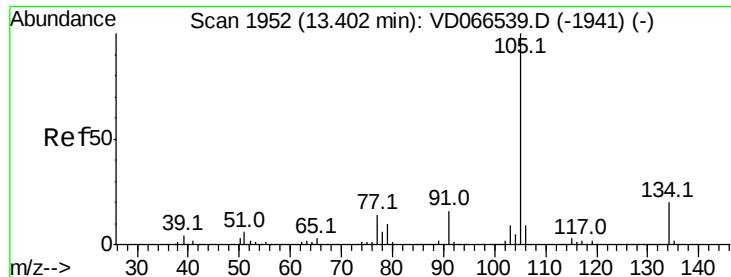
120 44.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.578 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleID :

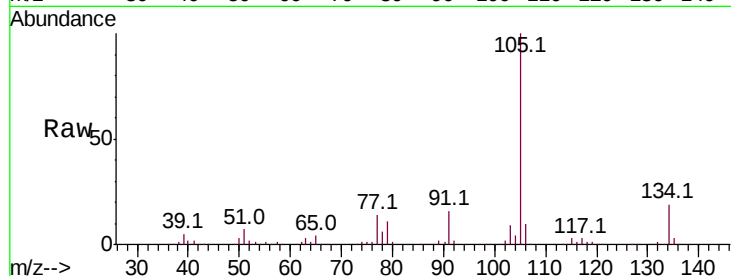
VD0904SBS01

Tot Ion:105 Resp: 387084

Ion Ratio Lower Upper

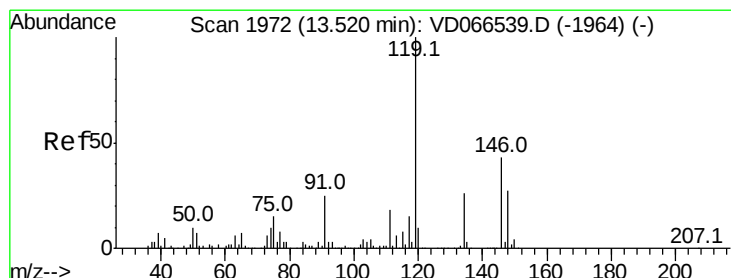
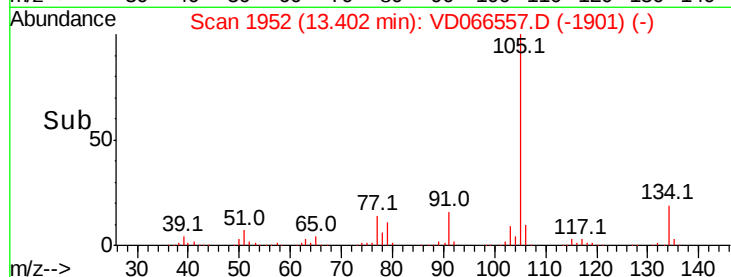
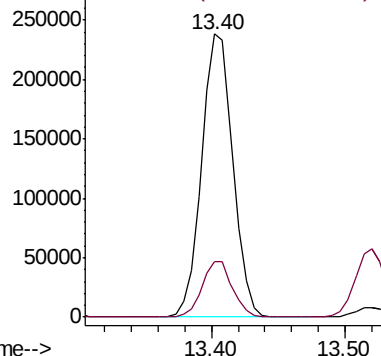
105 100

134 19.2 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: 21.086 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

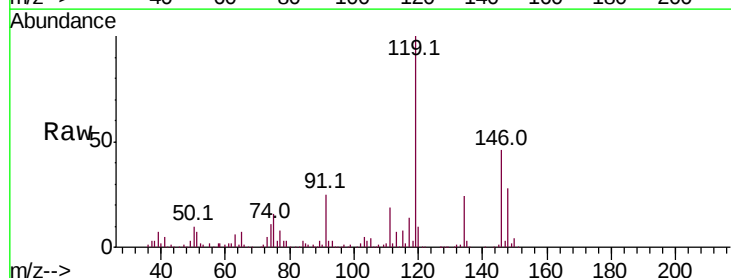
Tgt Ion:119 Resp: 357002

Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.0

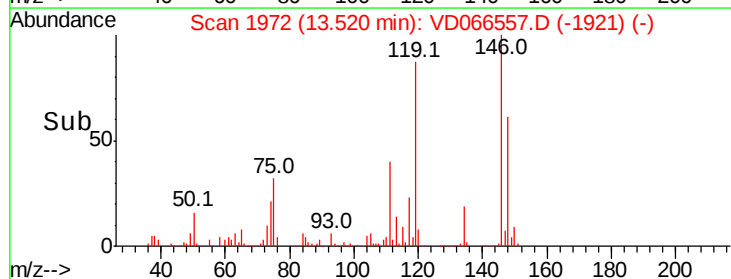
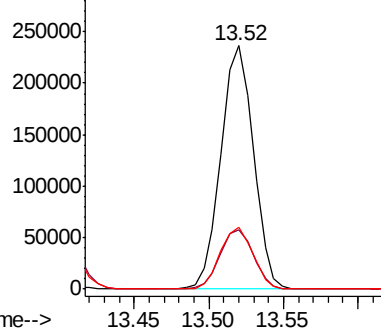
91 25.2 12.5 37.5

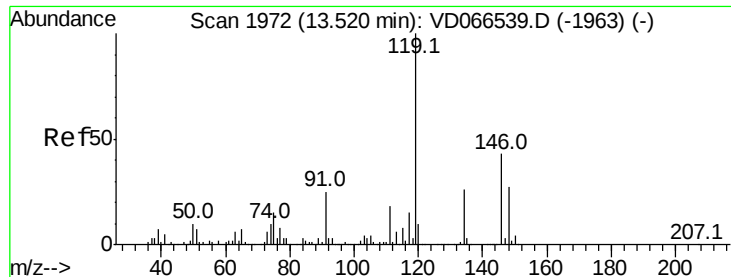


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.849 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

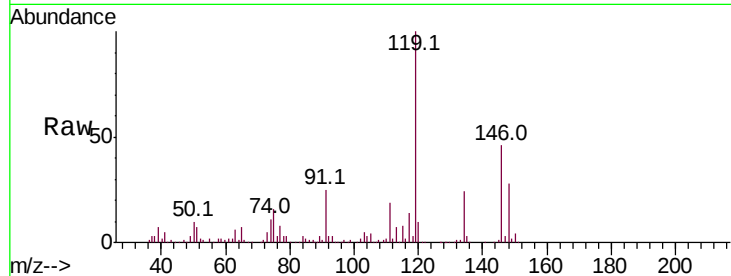
Tot Ion:146 Resp: 175298

Ion Ratio Lower Upper

146 100

111 40.7 20.6 61.9

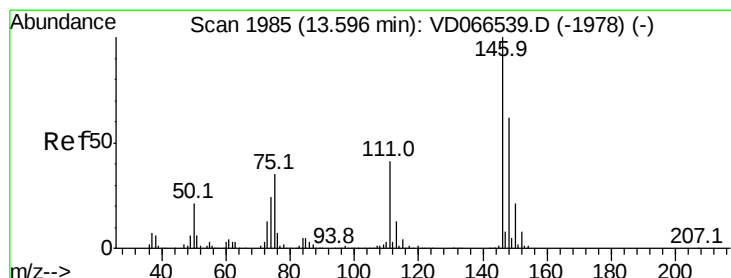
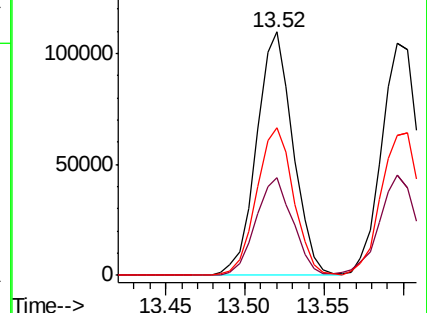
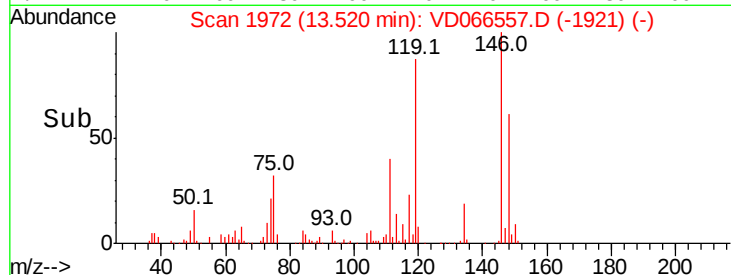
148 61.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

150000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.426 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

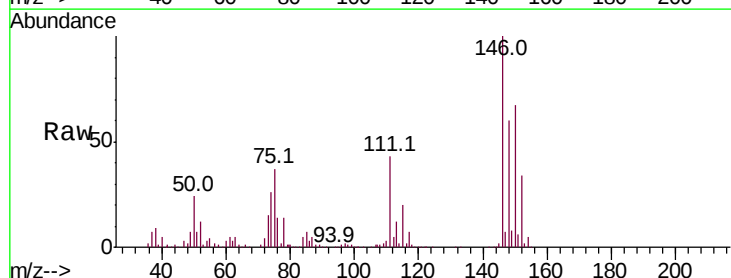
Tgt Ion:146 Resp: 172375

Ion Ratio Lower Upper

146 100

111 43.3 20.1 60.2

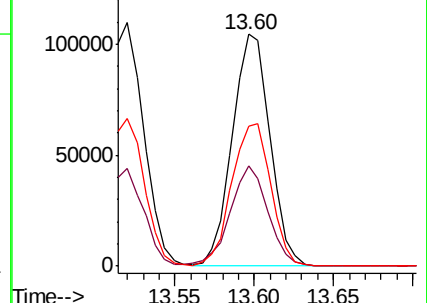
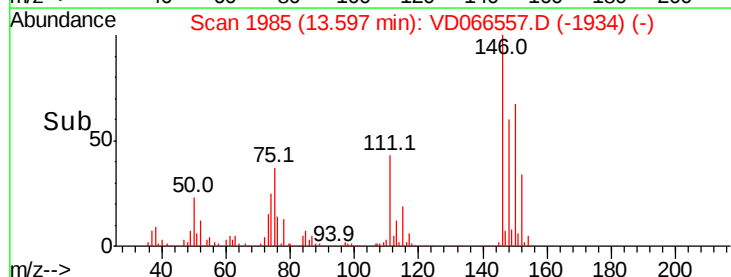
148 63.7 31.6 94.8

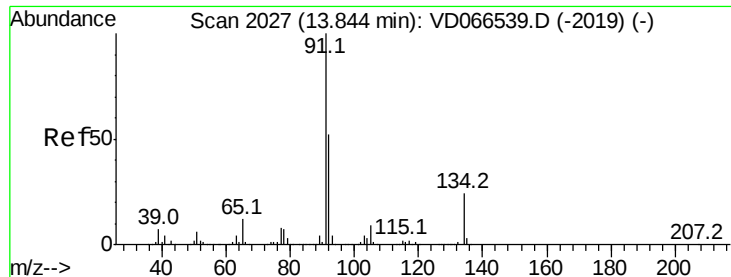


Abundance Ion 145.90 (145.60 to 146.60): V

150000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

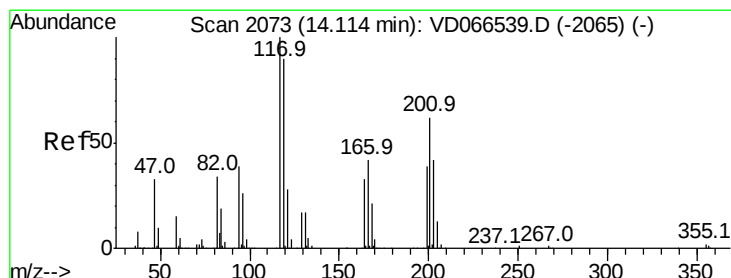
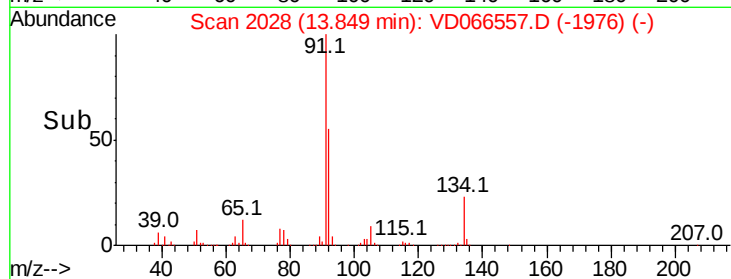
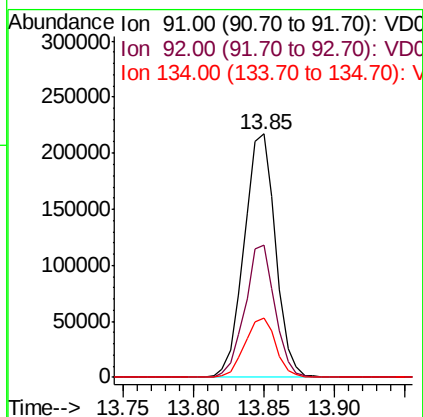
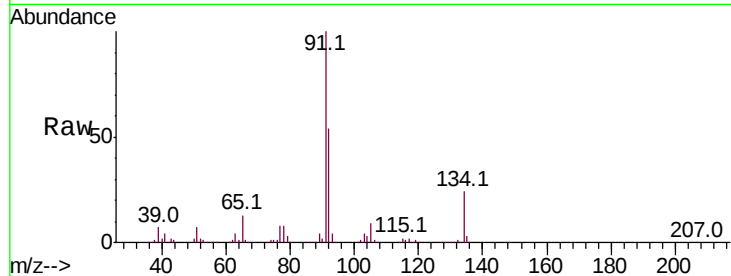




#89
n-Butylbenzene
Concen: 20.503 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

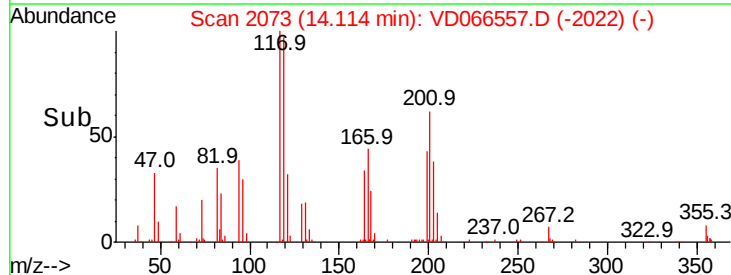
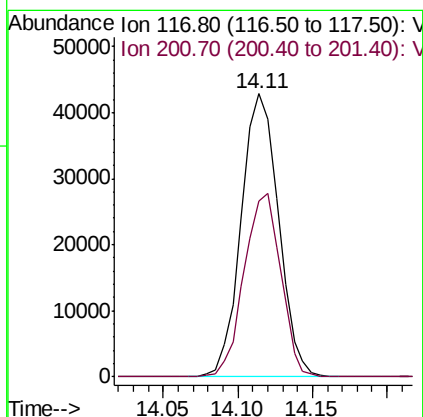
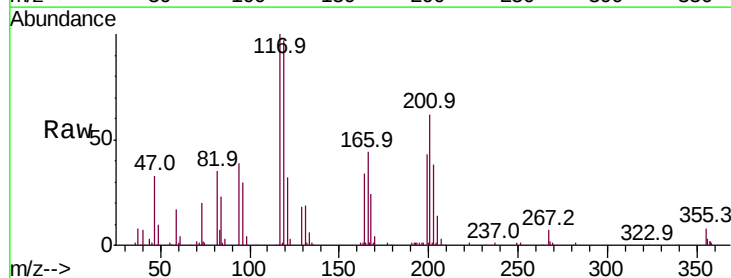
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

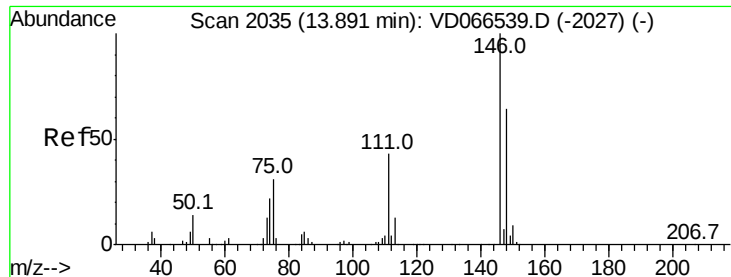
Tot Ion: 91 Resp: 338275
Ion Ratio Lower Upper
91 100
92 51.8 26.5 79.5
134 24.2 12.1 36.3



#90
Hexachloroethane
Concen: 20.355 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 117 Resp: 74256
Ion Ratio Lower Upper
117 100
201 63.4 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 20.677 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

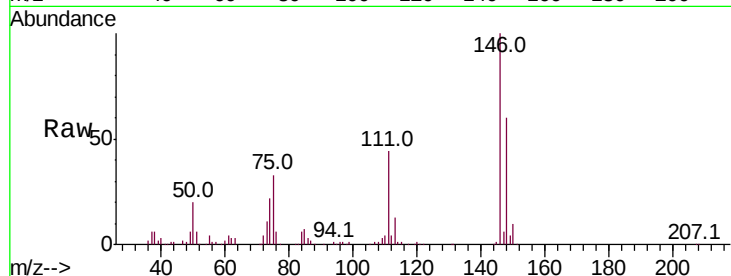
Tot Ion:146 Resp: 151956

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.4

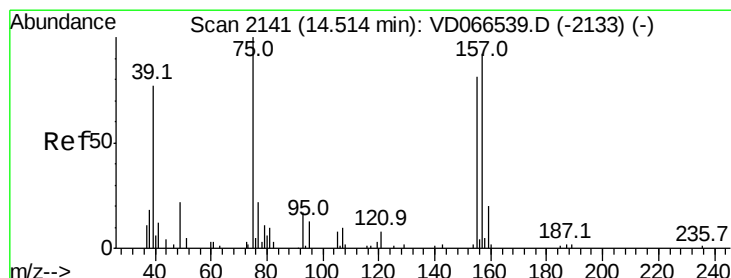
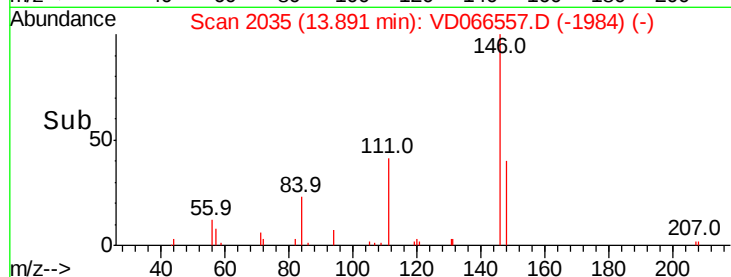
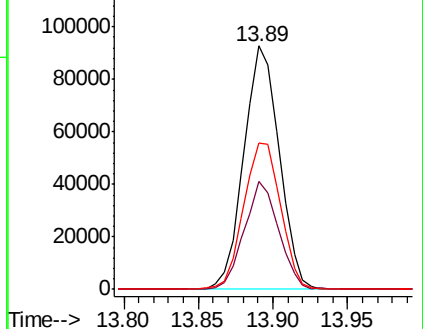
148 63.0 31.8 95.3



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: 21.546 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

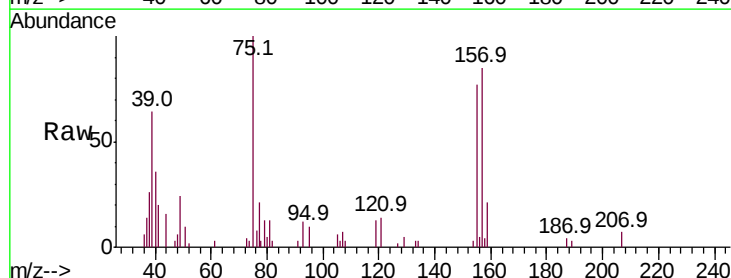
Tgt Ion: 75 Resp: 12283

Ion Ratio Lower Upper

75 100

155 72.9 39.3 117.8

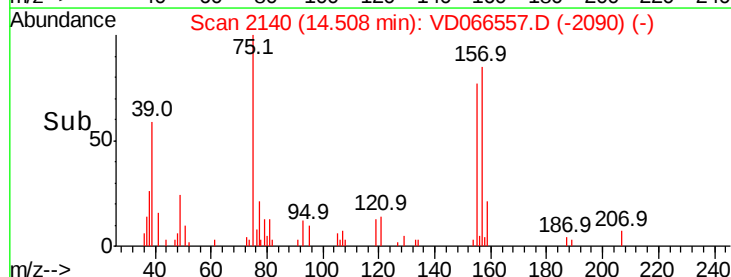
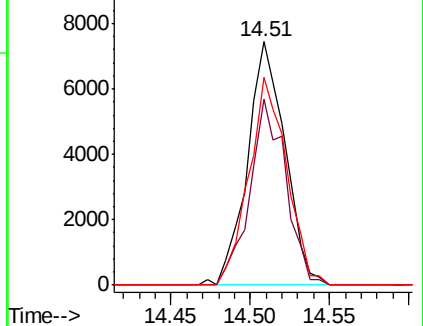
157 85.9 46.0 137.8

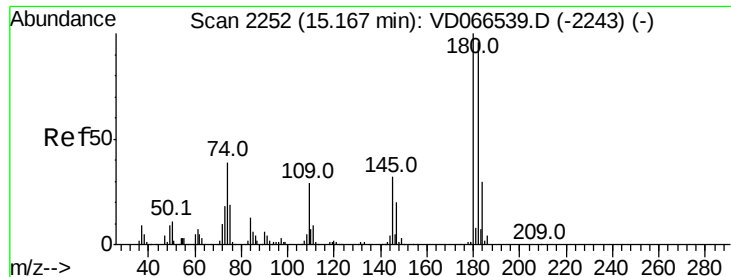


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

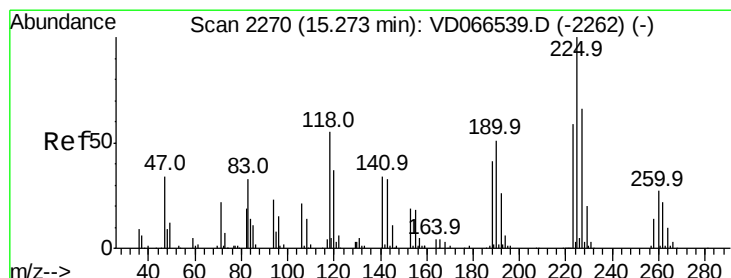
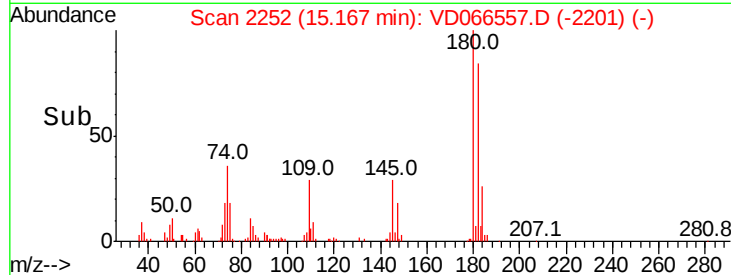
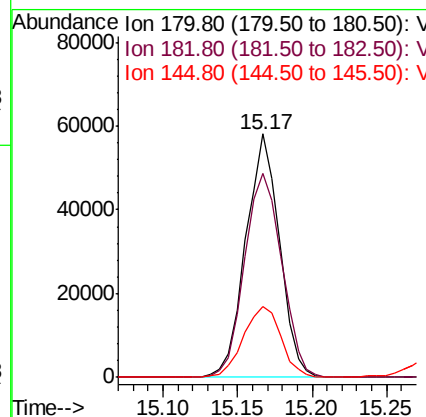
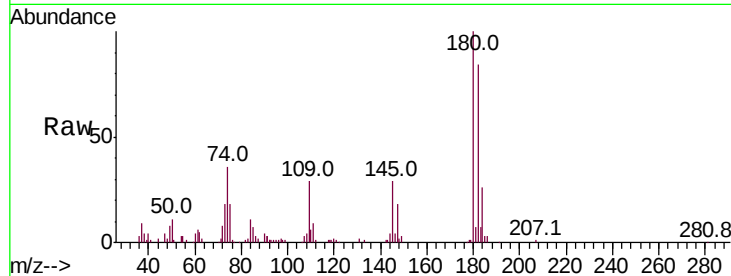




#93
 1,2,4-Trichlorobenzene
 Concen: 20.598 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

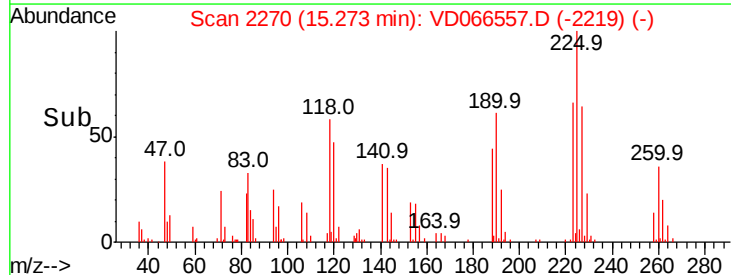
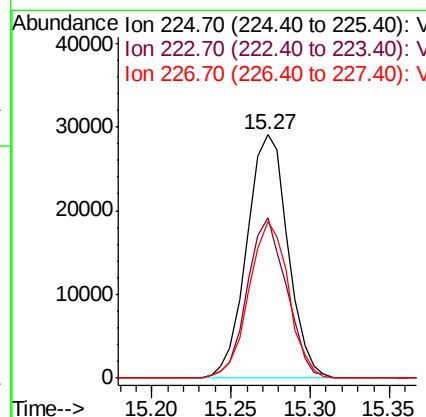
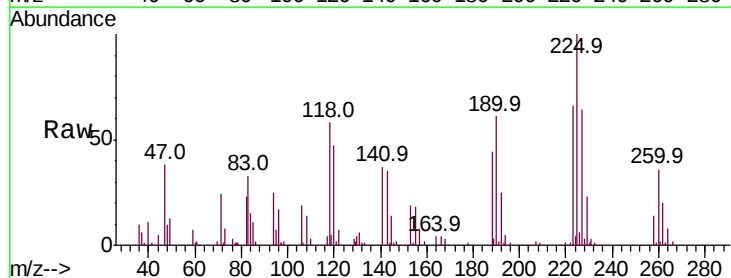
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

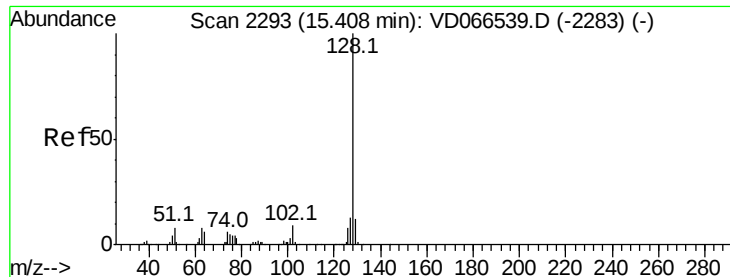
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.4	145.0
145	32.6	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 19.766 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.5	91.5
227	62.2	32.4	97.2





#95

Naphthalene

Concen: 20.080 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

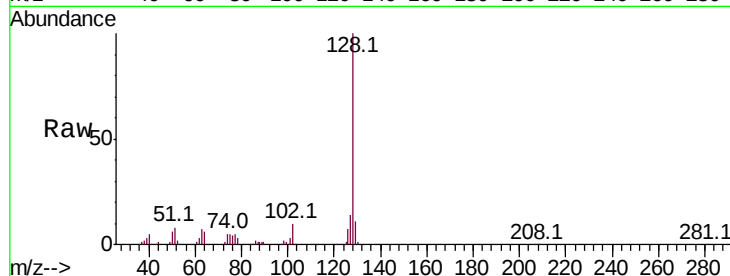
Tot Ion:128 Resp: 154754

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

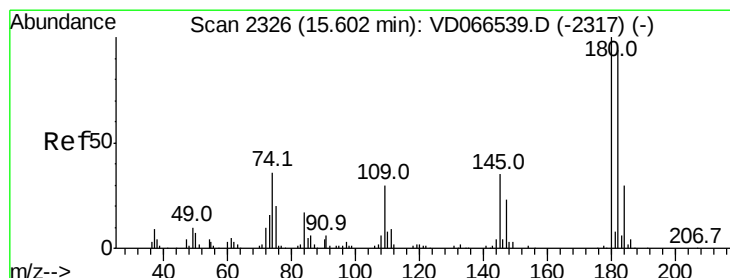
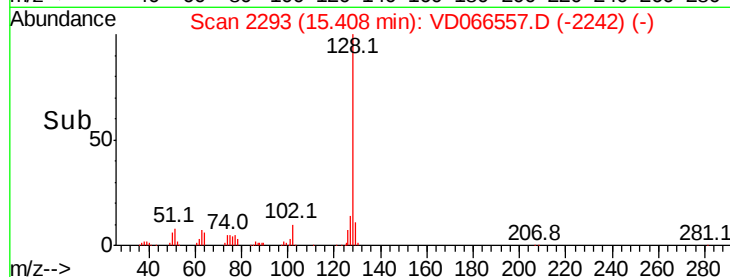
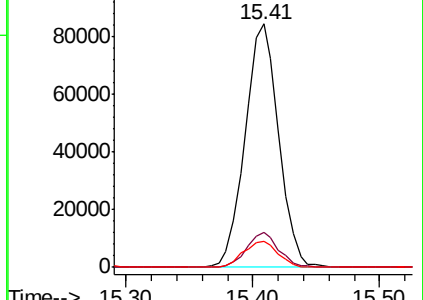
129 11.1 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.895 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

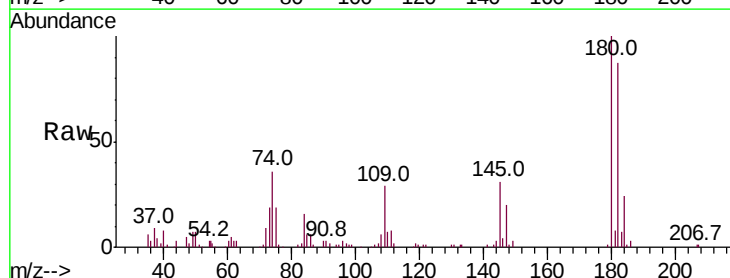
Tgt Ion:180 Resp: 78568

Ion Ratio Lower Upper

180 100

182 97.4 47.9 143.6

145 35.4 17.3 51.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

