

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031921\
 Data File : VN066286.D
 Acq On : 19 Mar 2021 17:25
 Operator : JC/MD
 Sample : M1712-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RED-BRICK-COMP

Quant Time: Mar 20 05:00:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

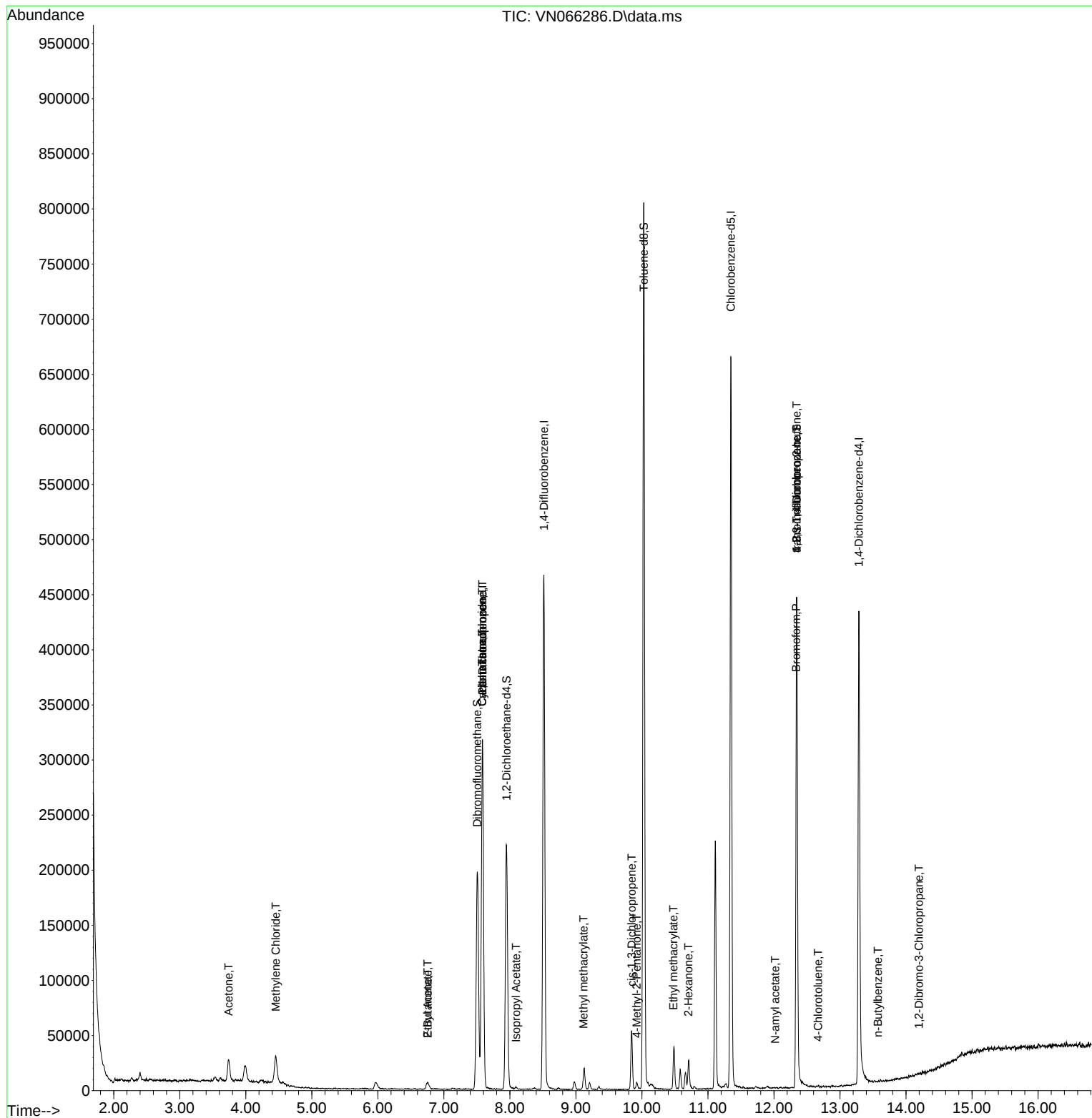
Internal Standards						
1) Pentafluorobenzene	7.584	168	279183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	417989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	380879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	140145	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	191150	47.52	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.04%		
35) Dibromofluoromethane	7.507	113	153932	57.73	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	115.46%		
50) Toluene-d8	10.028	98	552112	53.55	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	107.10%		
62) 4-Bromofluorobenzene	12.345	95	152396	41.01	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.02%#		
Target Compounds						Qvalue
13) Acrolein	3.535	56	3248	Below Cal	#	79
16) Acetone	3.739	43	30892	15.99	ug/l	97
20) Methylene Chloride	4.455	84	14877	4.92	ug/l	89
25) 2-Butanone	6.753	43	8567	2.85	ug/l #	82
31) Cyclohexane	7.582	56	4168	0.69	ug/l #	1
36) 1,1-Dichloropropene	7.584	75	17572	4.15	ug/l #	45
37) Ethyl Acetate	6.753	43	8567	1.42	ug/l #	73
38) Carbon Tetrachloride	7.582	117	23280	6.14	ug/l #	20
43) Isopropyl Acetate	8.094	43	2113	0.23	ug/l #	86
48) Methyl methacrylate	9.116	41	1995	0.45	ug/l #	47
51) 4-Methyl-2-Pentanone	9.920	43	3955	0.70	ug/l	90
54) cis-1,3-Dichloropropene	9.845	75	8787	1.60	ug/l #	62
56) Ethyl methacrylate	10.478	69	186	2.19	ug/l #	1
59) 2-Hexanone	10.706	43	4129	2.26	ug/l	74
71) Bromoform	12.337	173	559	0.25	ug/l #	29
74) N-amyl acetate	12.018	43	165	2.19	ug/l #	49
76) 1,2,3-Trichloropropane	12.345	75	76260	21.07	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	76260	63.05	ug/l #	11
82) 4-Chlorotoluene	12.669	91	25	0.47	ug/l #	43
89) n-Butylbenzene	13.573	91	55	2.24	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.196	75	102	0.97	ug/l #	8

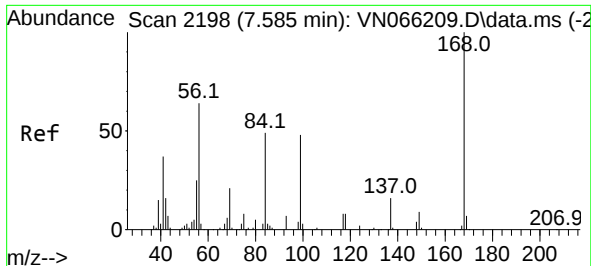
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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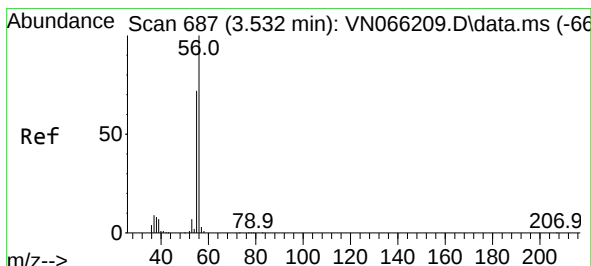
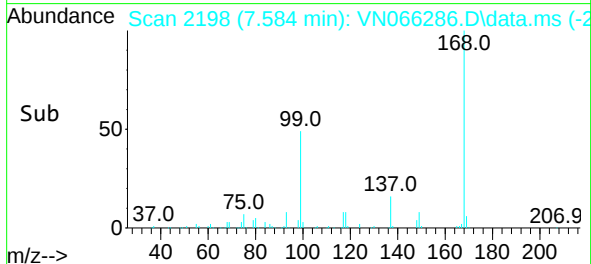
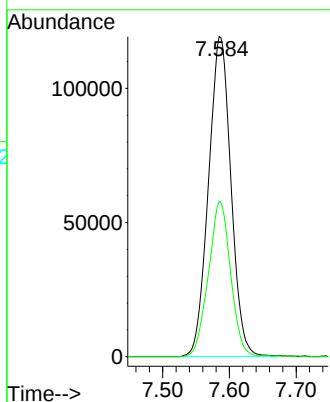
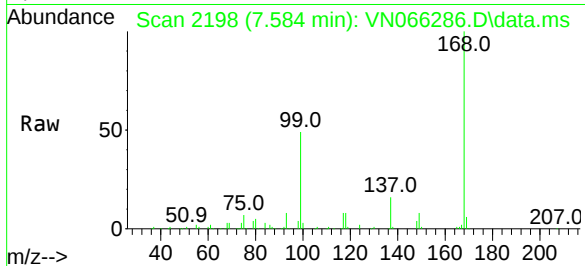




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.001 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

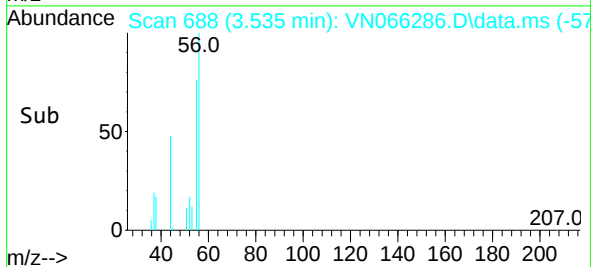
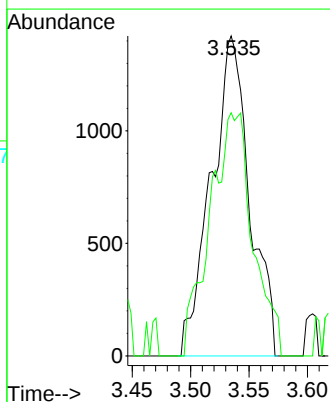
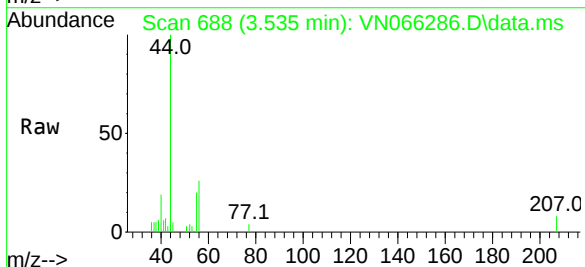
Instrument :
MSVOA_N
ClientSampleId :
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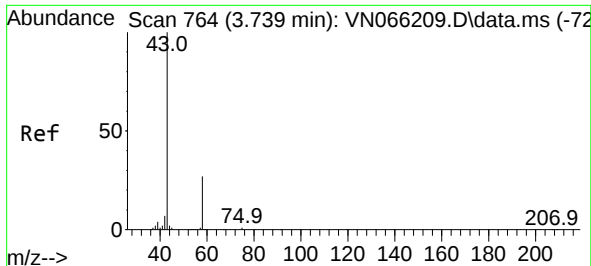
Tgt Ion:168 Resp: 279183
Ion Ratio Lower Upper
168 100
99 48.5 45.4 68.0



#13
Acrolein
Concen: Below Cal
RT: 3.535 min Scan# 688
Delta R.T. 0.003 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 56 Resp: 3248
Ion Ratio Lower Upper
56 100
55 55.1 58.0 87.0#

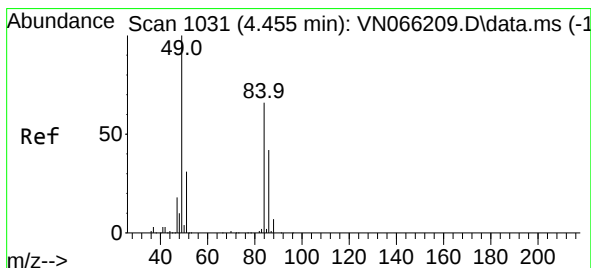
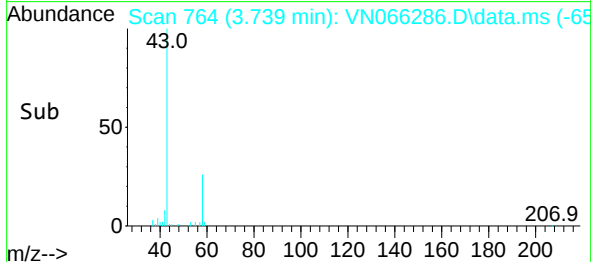
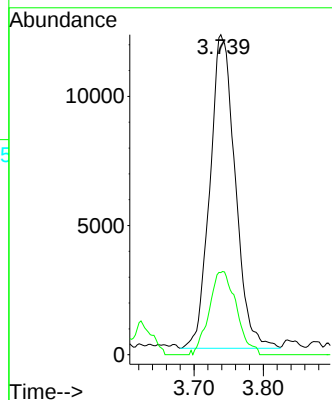
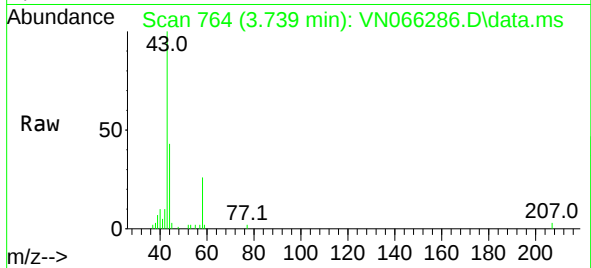




#16
Acetone
Concen: 15.99 ug/l
RT: 3.739 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

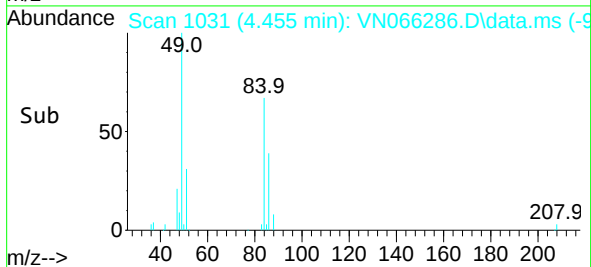
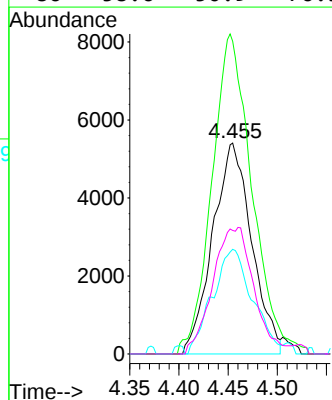
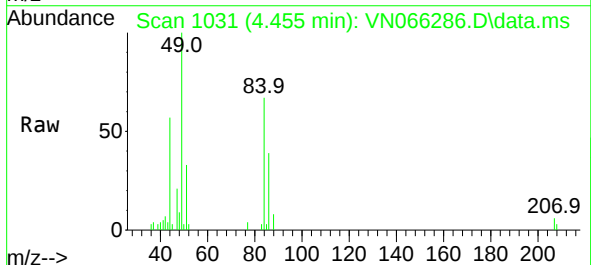
Instrument :
MSVOA_N
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RED-BRICK-COMP

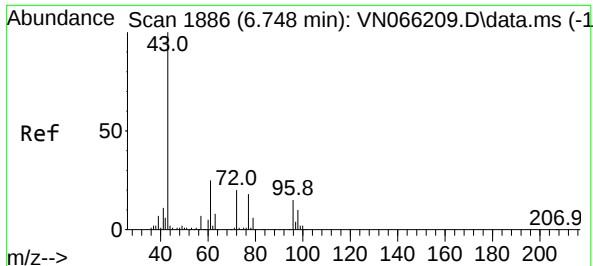
Tgt Ion: 43 Resp: 30892
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5



#20
Methylene Chloride
Concen: 4.92 ug/l
RT: 4.455 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 84 Resp: 14877
Ion Ratio Lower Upper
84 100
49 143.3 130.0 195.0
51 45.7 39.1 58.7
86 58.6 50.9 76.3

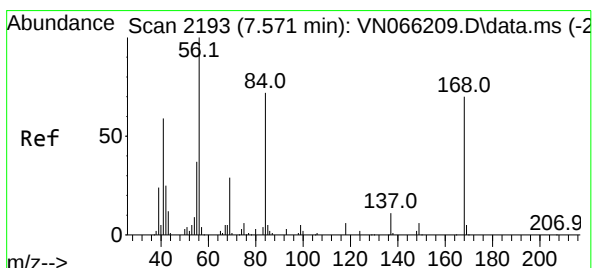
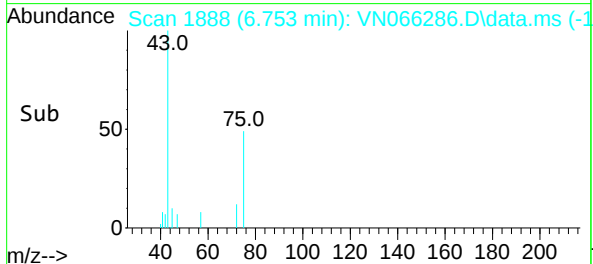
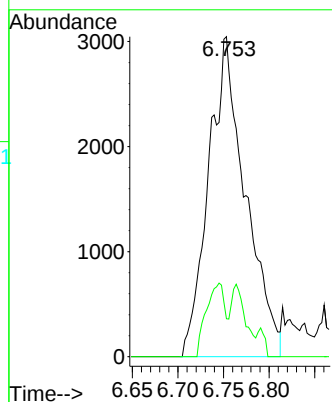
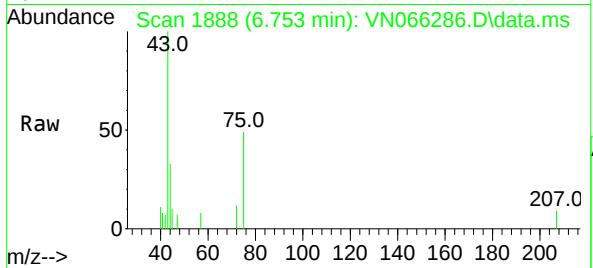




#25
2-Butanone
Concen: 2.85 ug/l
RT: 6.753 min Scan# 1888
Delta R.T. 0.005 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

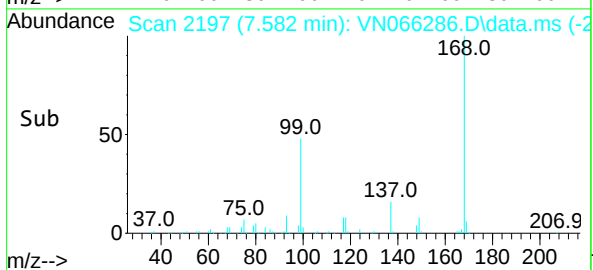
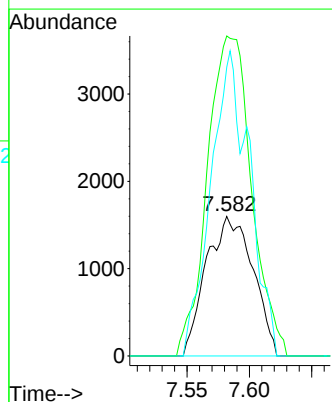
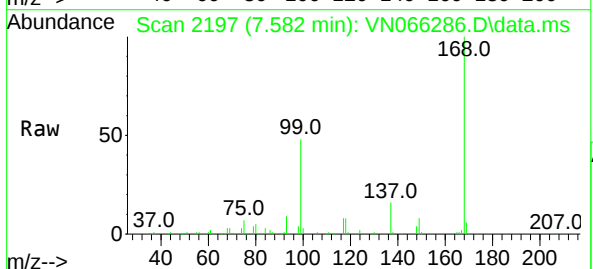
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-COMP

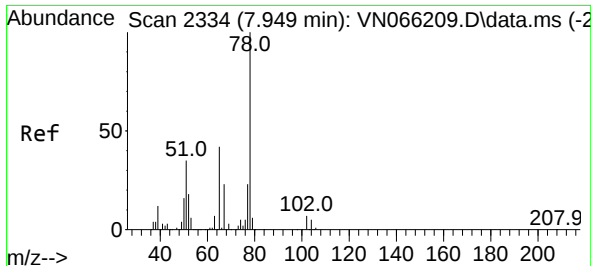
Tgt Ion: 43 Resp: 8567
Ion Ratio Lower Upper
43 100
72 11.9 16.2 24.2#



#31
Cyclohexane
Concen: 0.69 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.011 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 56 Resp: 4168
Ion Ratio Lower Upper
56 100
69 218.5 23.4 35.0#
84 206.9 57.8 86.6#

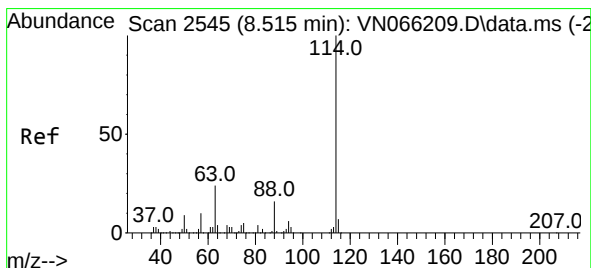
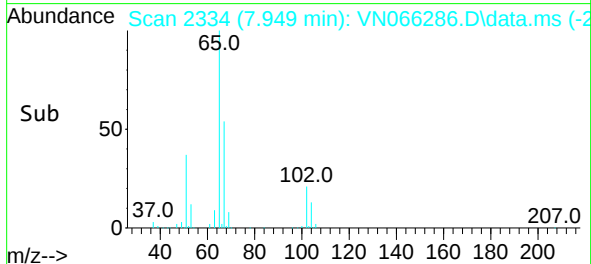
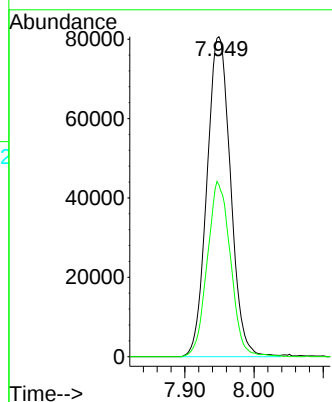
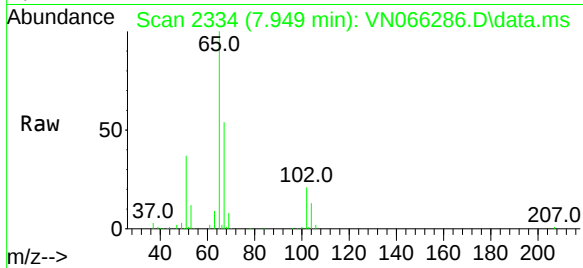




#33
1,2-Dichloroethane-d4
Concen: 47.52 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

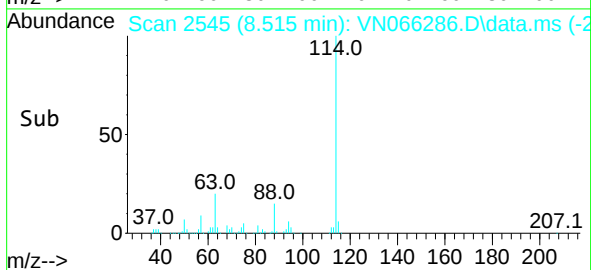
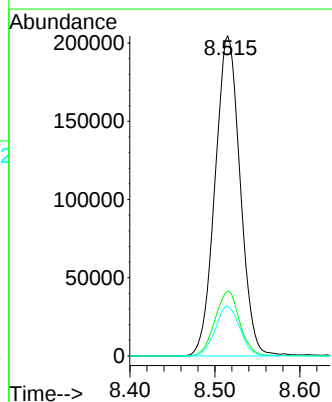
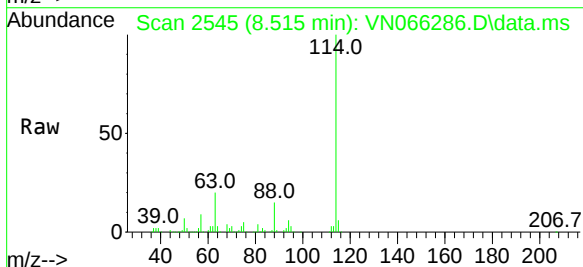
Instrument :
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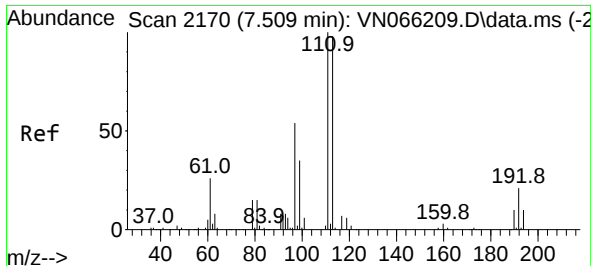
Tgt Ion: 65 Resp: 191150
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 114 Resp: 417989
Ion Ratio Lower Upper
114 100
63 20.3 0.0 49.2
88 15.4 0.0 33.8

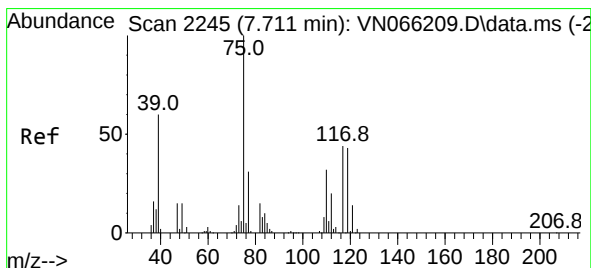
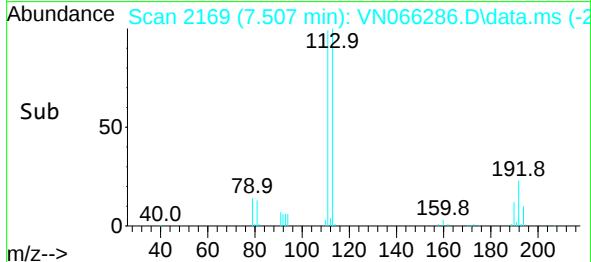
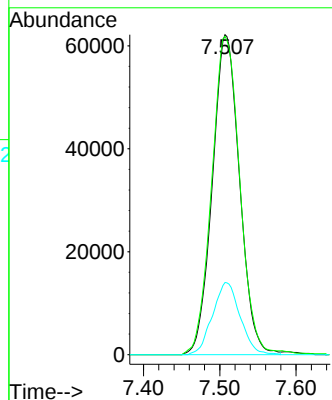
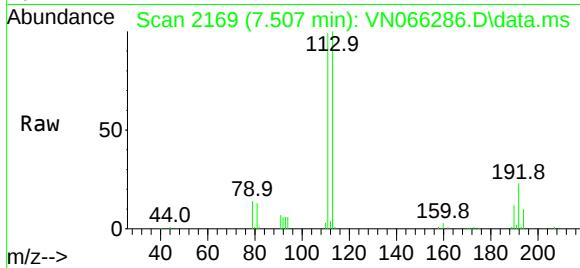




#35
Dibromofluoromethane
Concen: 57.73 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.002 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

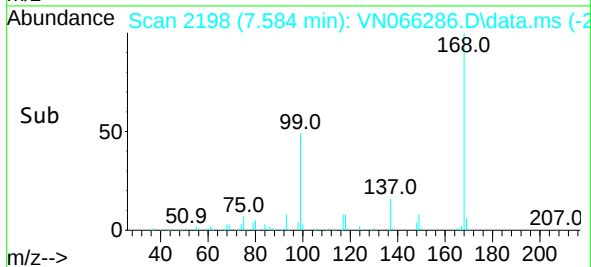
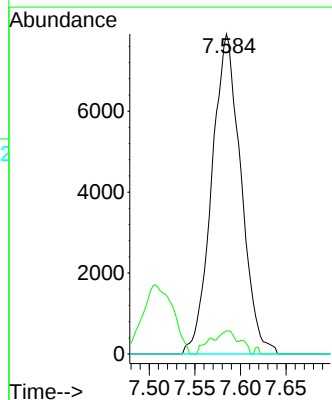
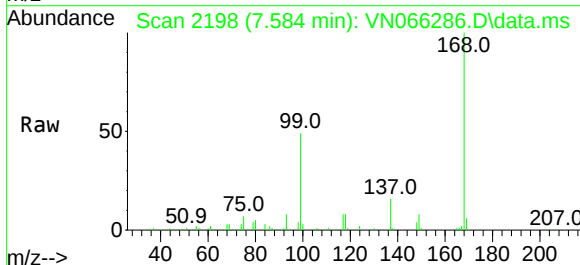
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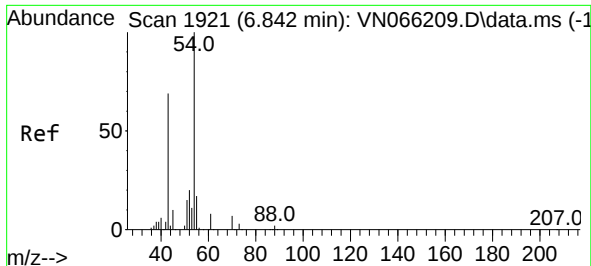
Tgt Ion:	113	Resp:	153932
Ion	Ratio	Lower	Upper
113	100		
111	103.4	84.0	126.0
192	22.9	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.15 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.127 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion:	75	Resp:	17572
Ion	Ratio	Lower	Upper
75	100		
110	1.6	16.0	48.0#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.42 ug/l

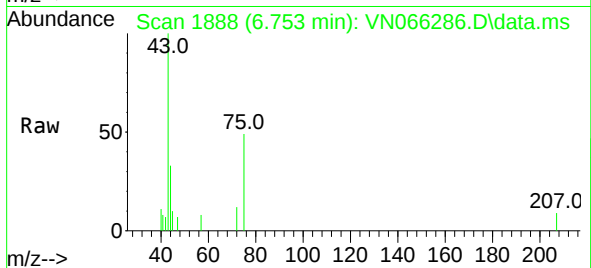
RT: 6.753 min Scan# 1888

Delta R.T. -0.089 min

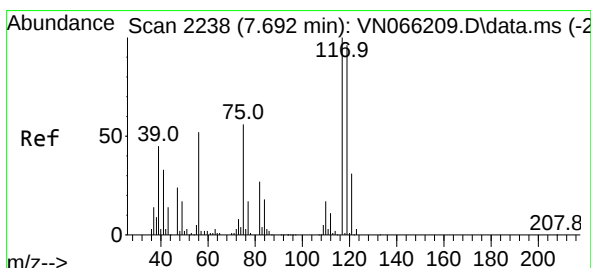
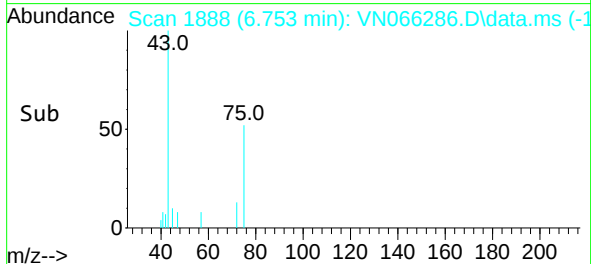
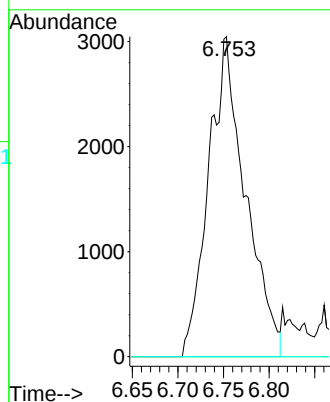
Lab File: VN066286.D

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ClientSampleId :
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Tgt Ion: 43	Resp: 8567
Ion Ratio	Lower Upper
43	100
61	0.0 9.2 13.8#
70	0.0 6.1 9.1#



#38

Carbon Tetrachloride

Concen: 6.14 ug/l

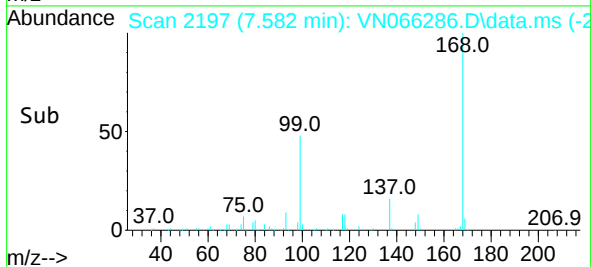
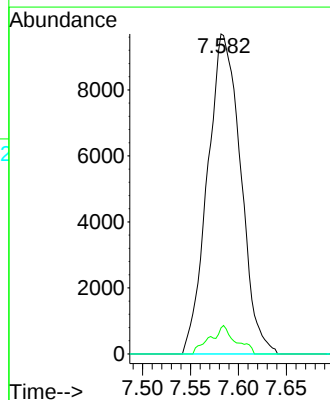
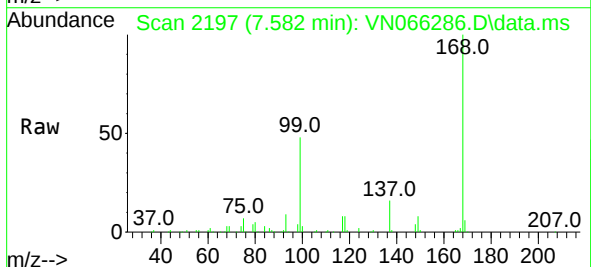
RT: 7.582 min Scan# 2197

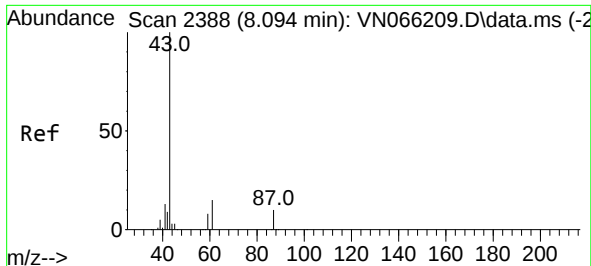
Delta R.T. -0.110 min

Lab File: VN066286.D

Acq: 19 Mar 2021 17:25

Tgt Ion: 117	Resp: 23280
Ion Ratio	Lower Upper
117	100
119	8.2 74.6 111.8#
121	0.0 23.9 35.9#

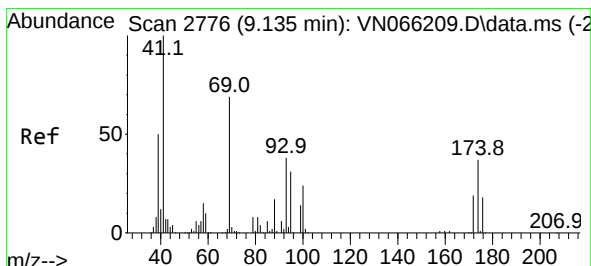
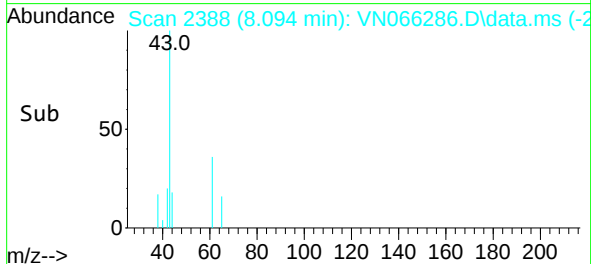
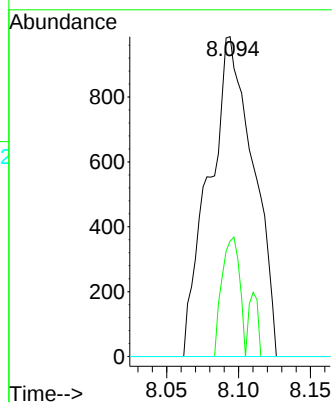
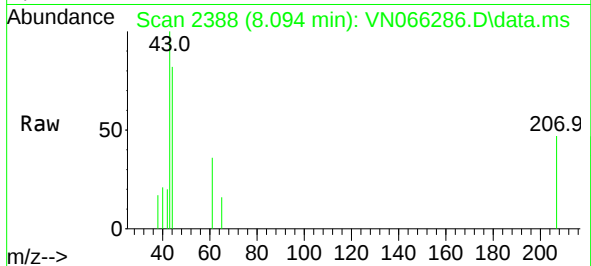




#43
Isopropyl Acetate
Concen: 0.23 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. 0.000 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

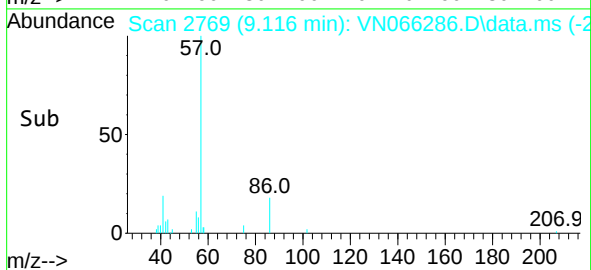
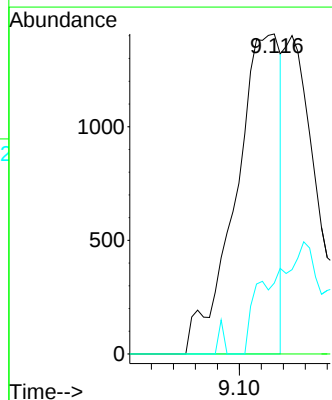
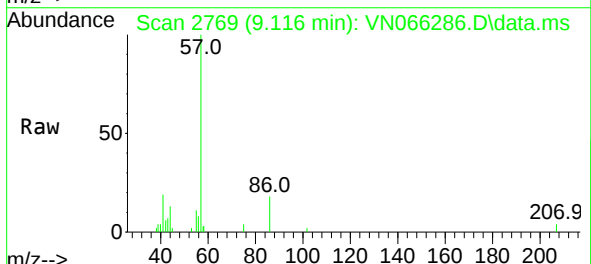
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-COMP

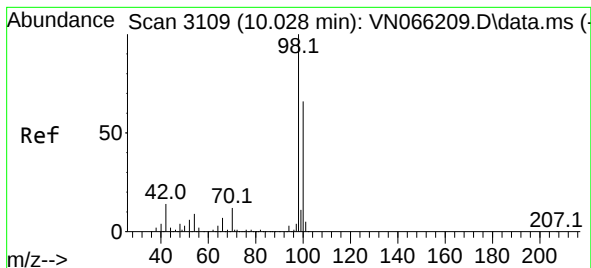
Tgt Ion:	43	Resp:	2113
Ion	Ratio	Lower	Upper
43	100		
61	14.8	14.0	21.0
87	0.0	7.9	11.9#



#48
Methyl methacrylate
Concen: 0.45 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.019 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion:	41	Resp:	1995
Ion	Ratio	Lower	Upper
41	100		
69	0.0	54.7	82.1#
39	42.9	40.2	60.2

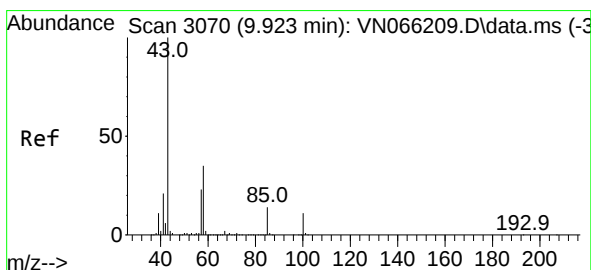
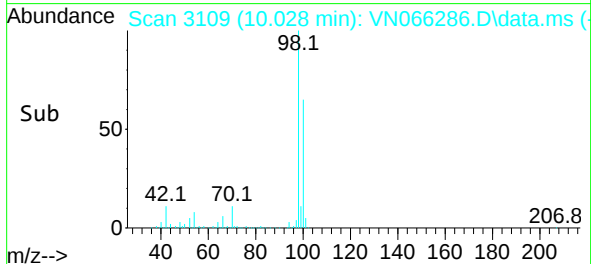
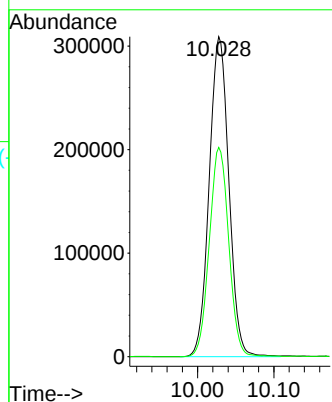
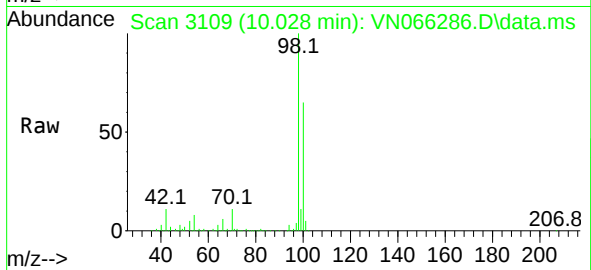




#50
Toluene-d8
Concen: 53.55 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

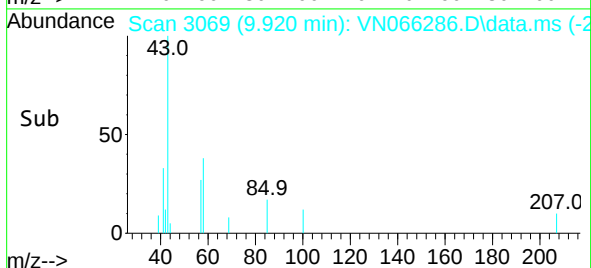
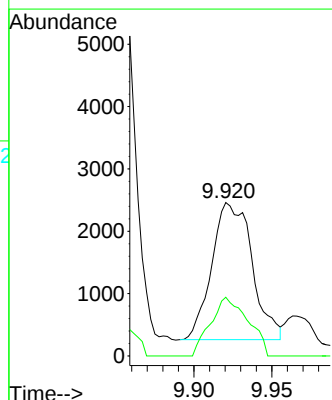
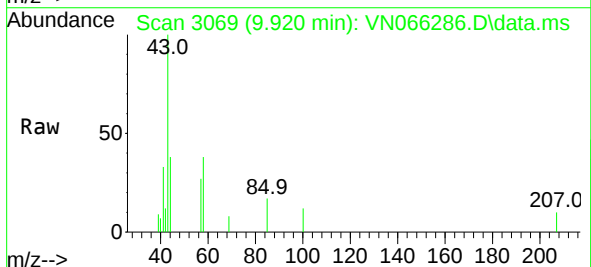
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-COMP

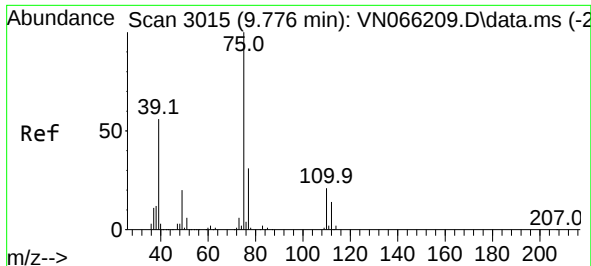
Tgt Ion: 98 Resp: 552112
Ion Ratio Lower Upper
98 100
100 64.6 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.70 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. -0.003 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 43 Resp: 3955
Ion Ratio Lower Upper
43 100
58 39.9 27.5 41.3

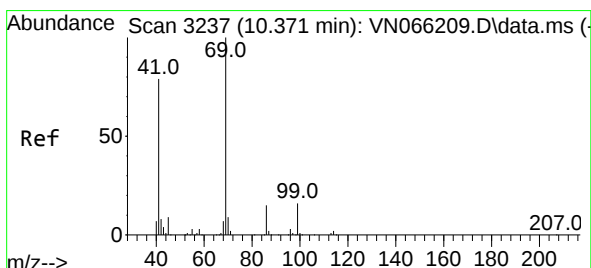
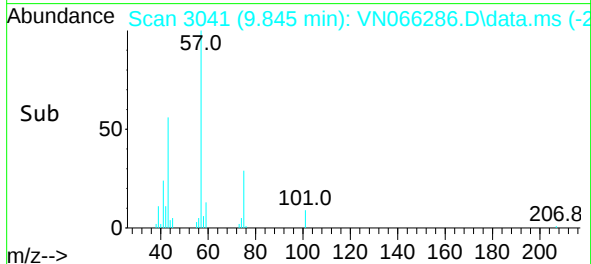
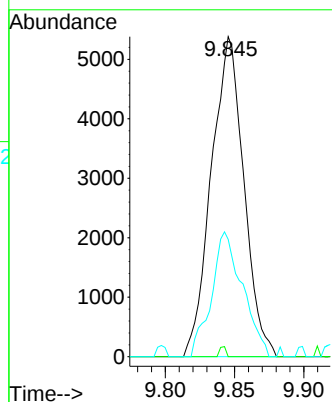
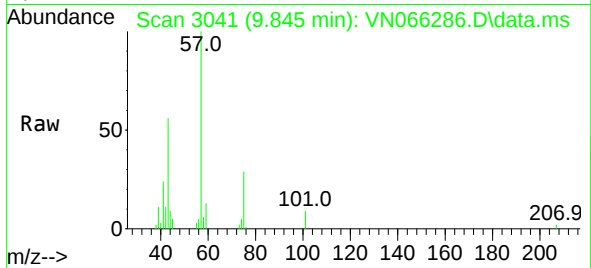




#54
cis-1,3-Dichloropropene
Concen: 1.60 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.069 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

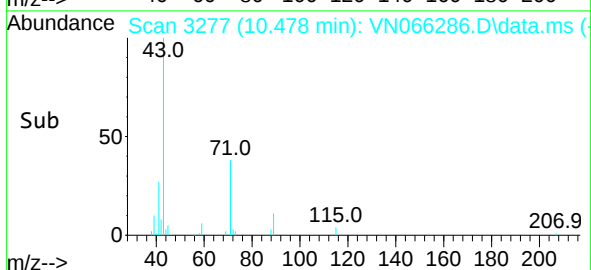
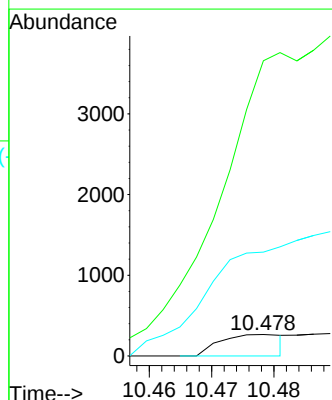
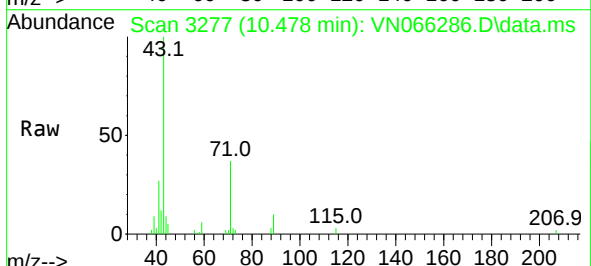
Instrument :
MSVOA_N
ClientSampleId :
RED-BRICK-COMP

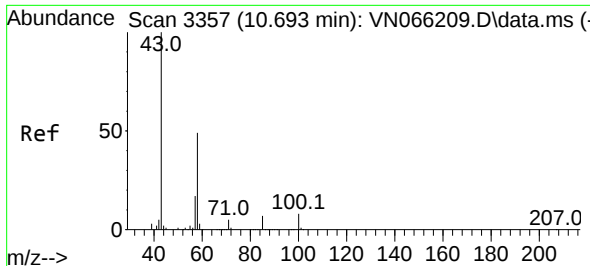
Tgt Ion: 75 Resp: 8787
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 36.6 46.2 69.2#



#56
Ethyl methacrylate
Concen: 2.19 ug/l
RT: 10.478 min Scan# 3277
Delta R.T. 0.107 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 69 Resp: 186
Ion Ratio Lower Upper
69 100
41 3965.6 66.2 99.4#
39 1710.8 31.5 47.3#

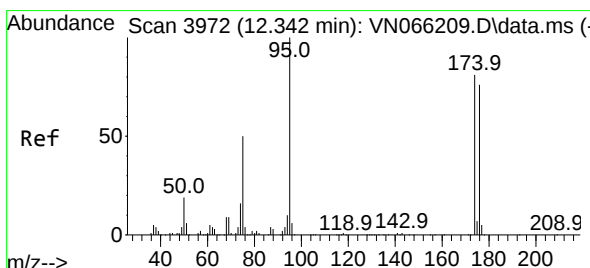
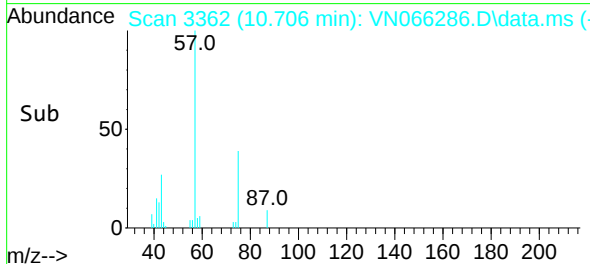
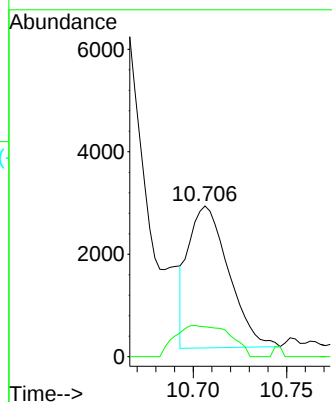
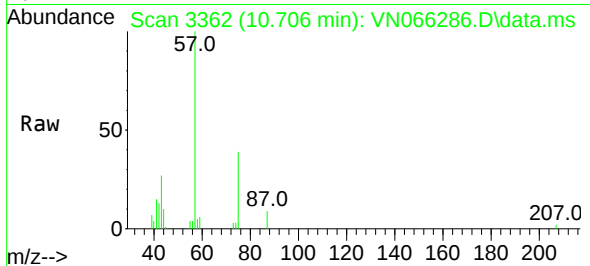




#59
2-Hexanone
Concen: 2.26 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

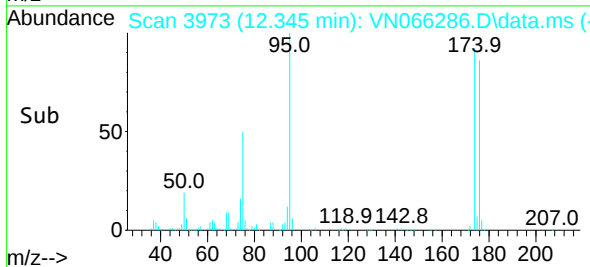
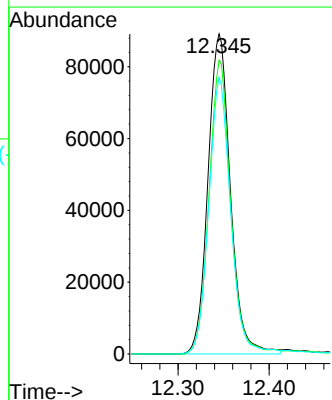
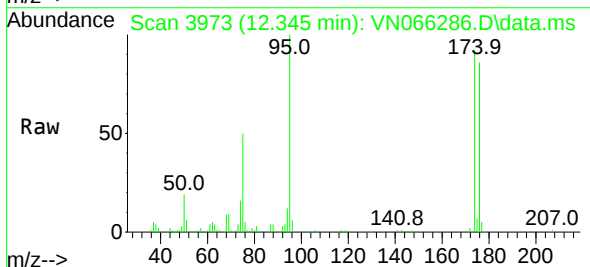
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ClientSampleId :
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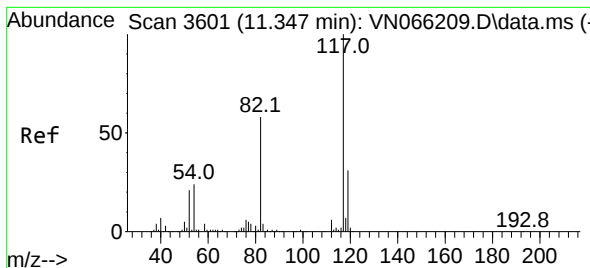
Tgt Ion: 43 Resp: 4129
Ion Ratio Lower Upper
43 100
58 30.2 23.8 71.5



#62
4-Bromofluorobenzene
Concen: 41.01 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 95 Resp: 152396
Ion Ratio Lower Upper
95 100
174 88.0 0.0 162.4
176 84.2 0.0 156.2

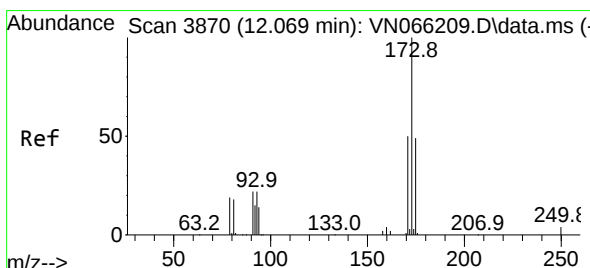
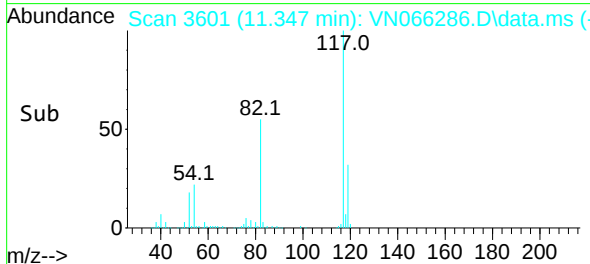
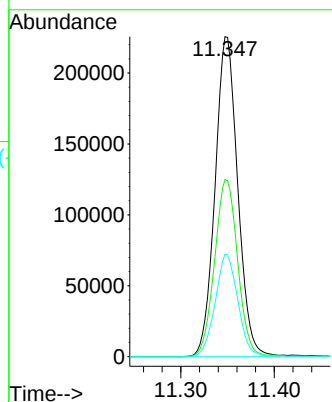
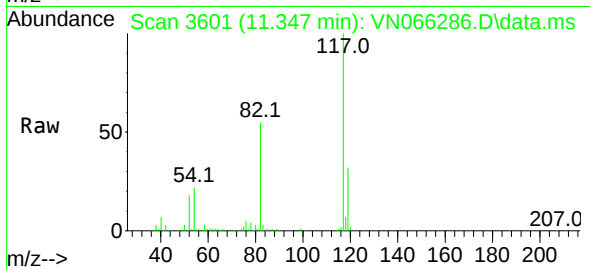




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

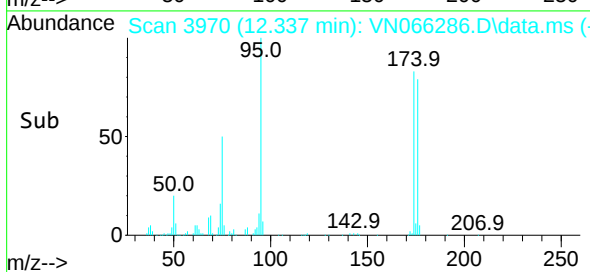
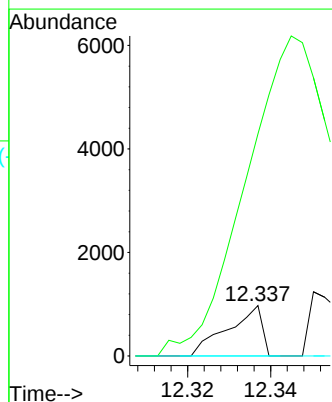
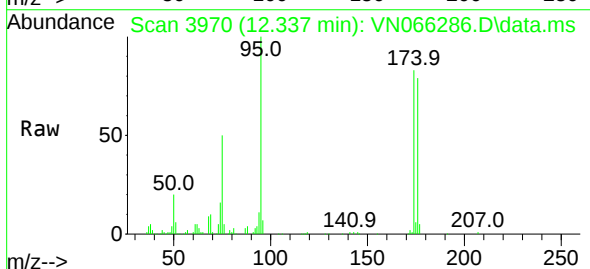
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MSVOA_N
ClientSampleId :
RED-BRICK-COMP

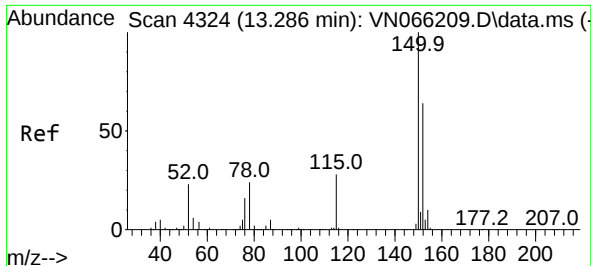
Tgt Ion:117 Resp: 380879
Ion Ratio Lower Upper
117 100
82 55.4 49.0 73.6
119 32.0 25.7 38.5



#71
Bromoform
Concen: 0.25 ug/l
RT: 12.337 min Scan# 3970
Delta R.T. 0.268 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion:173 Resp: 559
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

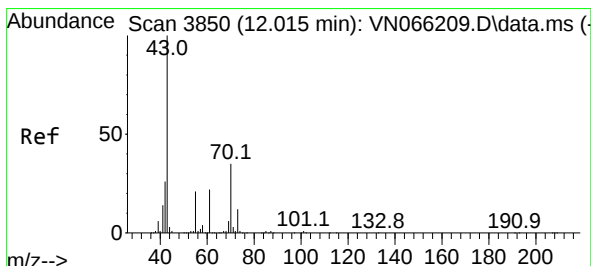
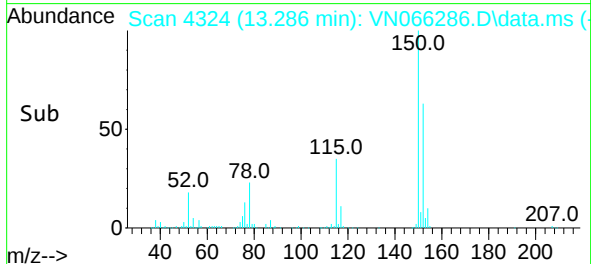
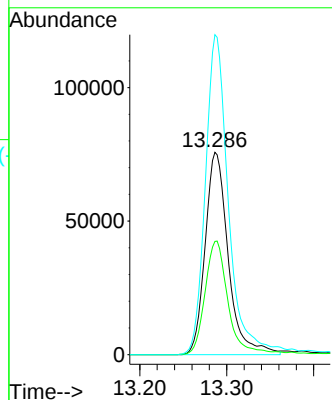
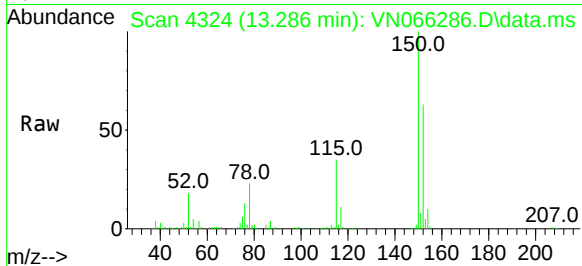




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

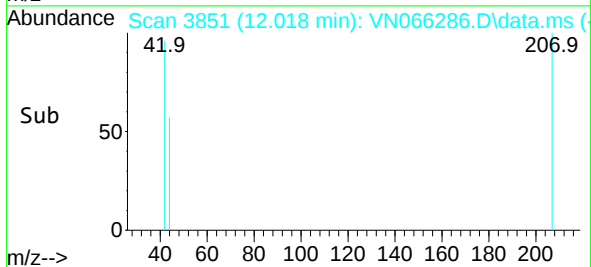
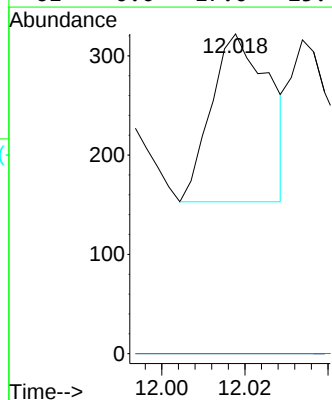
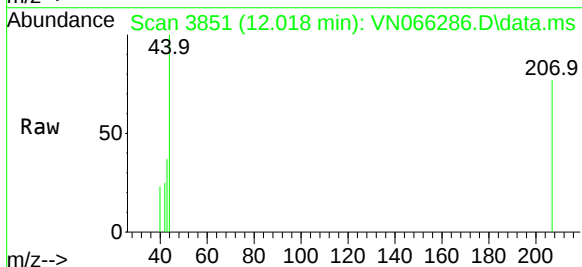
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ClientSampleId :
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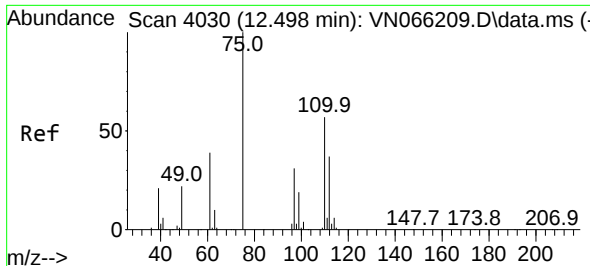
Tgt Ion:152 Resp: 140145
Ion Ratio Lower Upper
152 100
115 56.0 29.4 88.3
150 156.3 0.0 352.2



#74
N-ethyl acetate
Concen: 2.19 ug/l
RT: 12.018 min Scan# 3851
Delta R.T. 0.003 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
70 0.0 26.2 39.4#
55 0.0 17.2 25.8#
61 0.0 17.0 25.4#

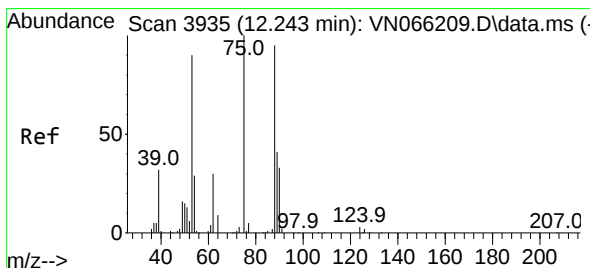
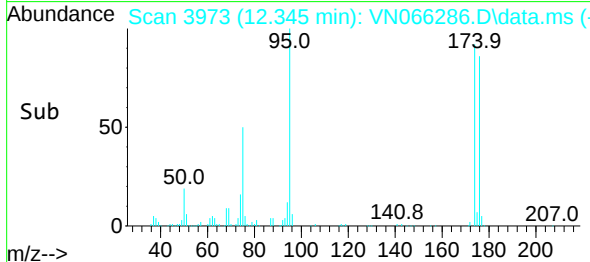
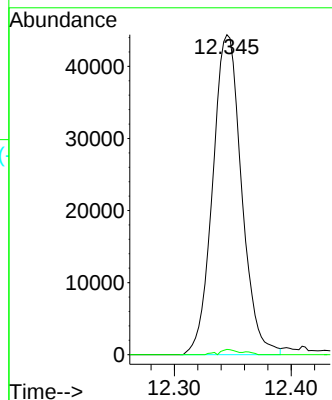
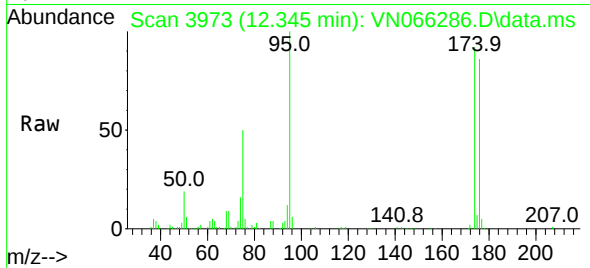




#76
1,2,3-Trichloropropane
Concen: 21.07 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

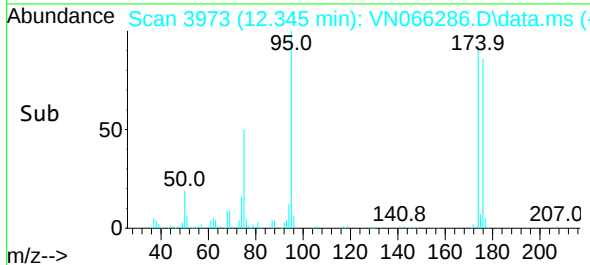
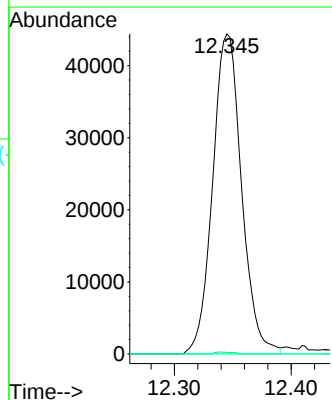
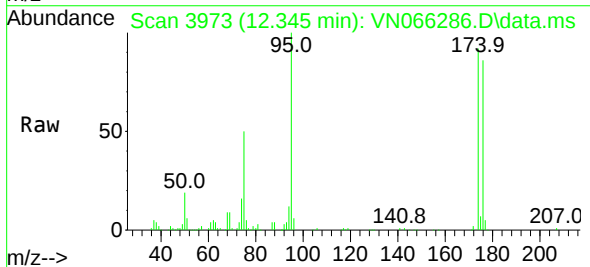
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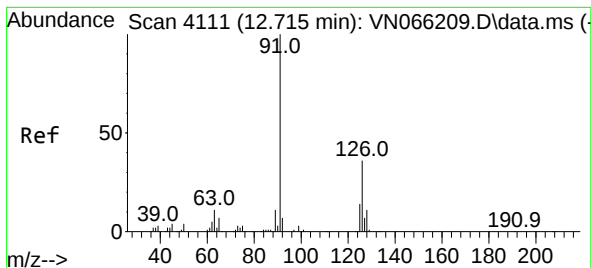
Tgt Ion: 75 Resp: 76260
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.05 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 75 Resp: 76260
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.6#
89 0.0 33.7 50.5#

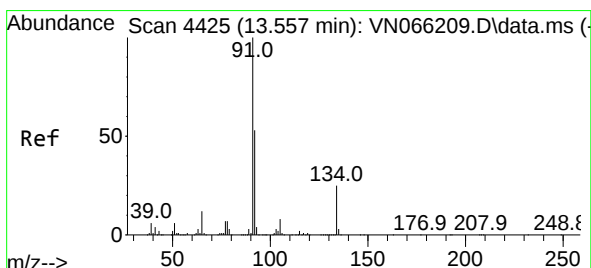
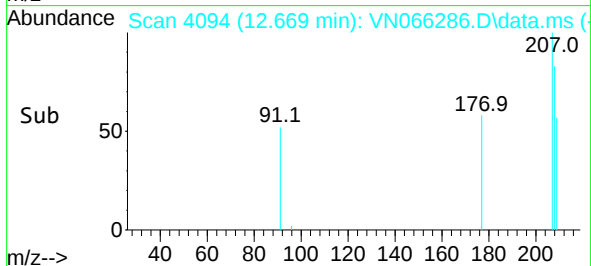
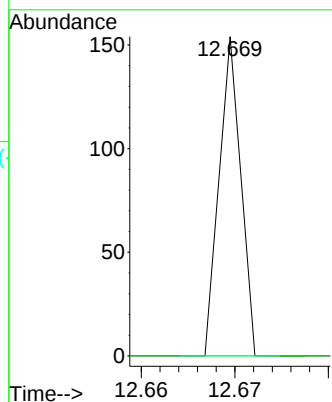
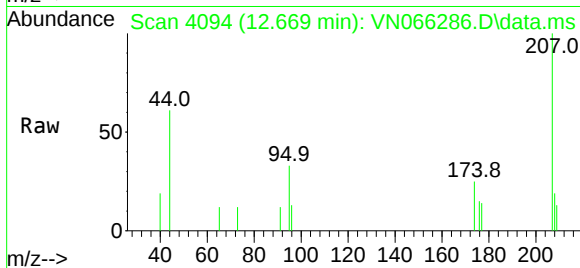




#82
4-Chlorotoluene
Concen: 0.47 ug/l
RT: 12.669 min Scan# 4094
Delta R.T. -0.046 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

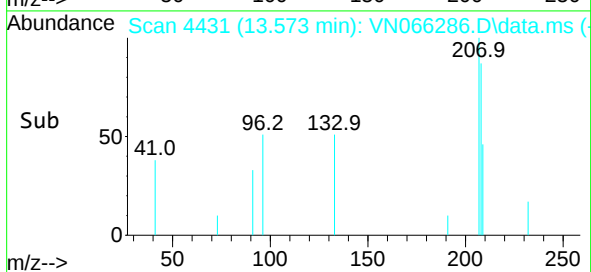
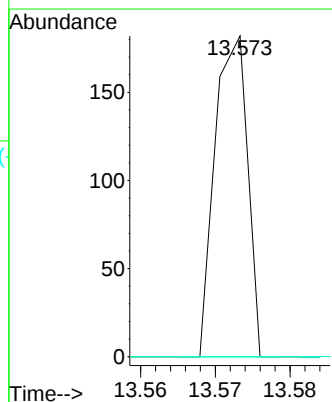
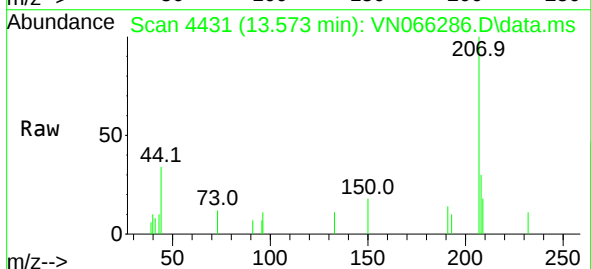
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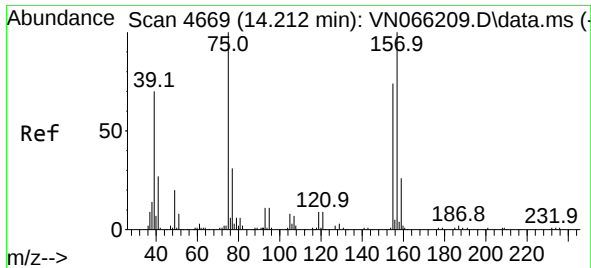
Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#89
n-Butylbenzene
Concen: 2.24 ug/l
RT: 13.573 min Scan# 4431
Delta R.T. 0.016 min
Lab File: VN066286.D
Acq: 19 Mar 2021 17:25

Tgt Ion: 91 Resp: 55
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.97 ug/l
 RT: 14.196 min Scan# 4663
 Delta R.T. -0.016 min
 Lab File: VN066286.D
 Acq: 19 Mar 2021 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 RED-BRICK-COMP

Tgt Ion: 75 Resp: 102
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 0.0 46.3 138.8#

