

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024535.D
 Acq On : 04 Oct 2021 21:04
 Operator : JC/MD
 Sample : M3993-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STEEL-WELL-GATE-1-GROUTRE

Quant Time: Oct 05 03:23:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

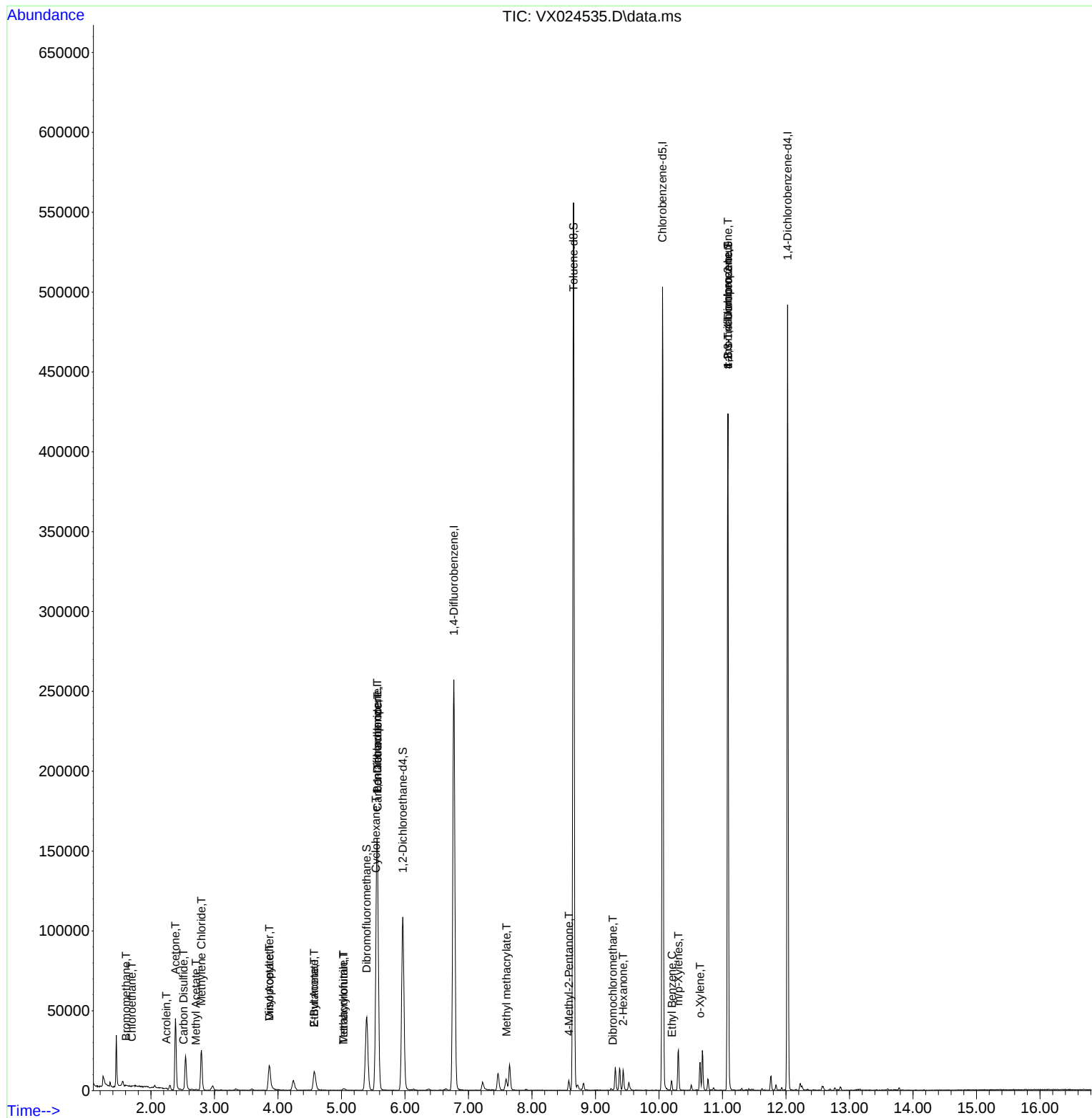
Internal Standards						
1) Pentafluorobenzene	5.562	168	150410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	262243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108470	51.169	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.340%	
35) Dibromofluoromethane	5.397	113	39372	22.600	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 45.200%#	
50) Toluene-d8	8.653	98	321162	50.087	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.180%	
62) 4-Bromofluorobenzene	11.085	95	106677	42.314	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 84.620%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	269	0.268	ug/l #	2
6) Chloroethane	1.697	64	174	0.432	ug/l #	43
11) Tert butyl alcohol	2.971	59	3311	Below Cal		95
13) Acrolein	2.239	56	92	10.828	ug/l #	2
16) Acetone	2.386	43	46197	43.264	ug/l	89
17) Carbon Disulfide	2.514	76	726	0.431	ug/l #	75
18) Methyl Acetate	2.709	43	841	0.265	ug/l #	79
20) Methylene Chloride	2.794	84	11093	5.987	ug/l	95
22) Diisopropyl ether	3.861	45	1105	0.215	ug/l #	1
23) Vinyl Acetate	3.861	43	2365	0.567	ug/l #	68
25) 2-Butanone	4.568	43	20809	14.254	ug/l	95
29) Tetrahydrofuran	5.032	42	815	0.876	ug/l #	38
31) Cyclohexane	5.544	56	1551	0.611	ug/l #	50
36) 1,1-Dichloropropene	5.562	75	11747	4.673	ug/l #	49
37) Ethyl Acetate	4.568	43	20809	6.630	ug/l #	65
38) Carbon Tetrachloride	5.568	117	15503	5.665	ug/l #	16
41) Methacrylonitrile	5.032	41	422	0.260	ug/l #	42
48) Methyl methacrylate	7.598	41	7010	2.967	ug/l #	22
51) 4-Methyl-2-Pentanone	8.580	43	3738	1.187	ug/l #	86
59) 2-Hexanone	9.433	43	6931	2.794	ug/l	87
60) Dibromochloromethane	9.275	129	51	1.210	ug/l #	11
67) Ethyl Benzene	10.201	91	3498	0.429	ug/l	91
68) m/p-Xylenes	10.305	106	5735	1.832	ug/l	92
69) o-Xylene	10.647	106	3684	1.190	ug/l	95
76) 1,2,3-Trichloropropane	11.085	75	57739	26.609	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57739	72.437	ug/l #	12

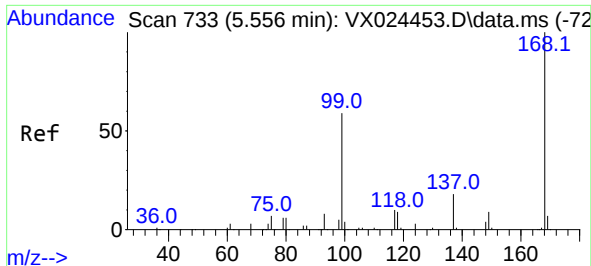
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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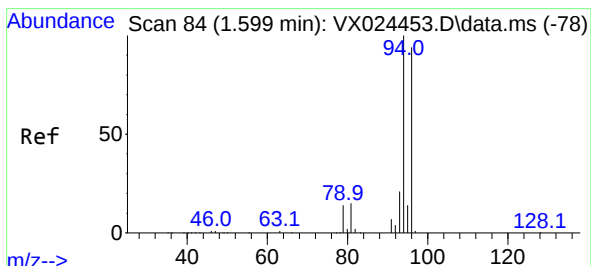
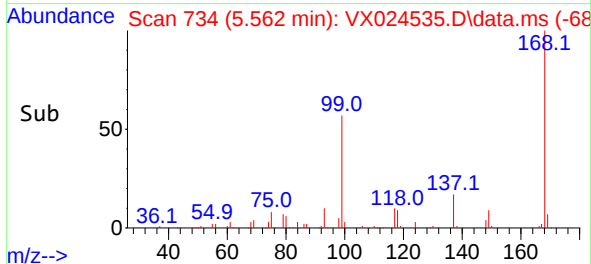
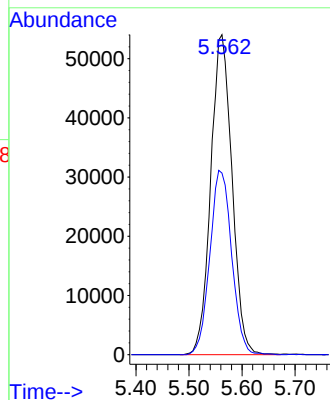
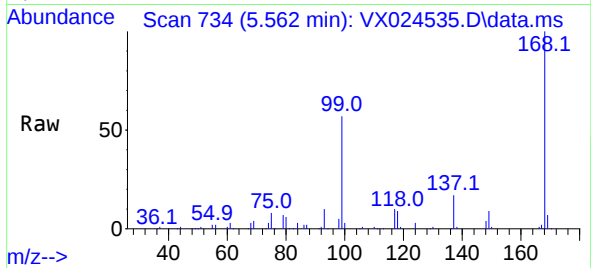




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

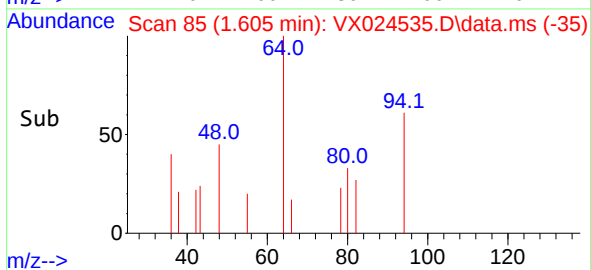
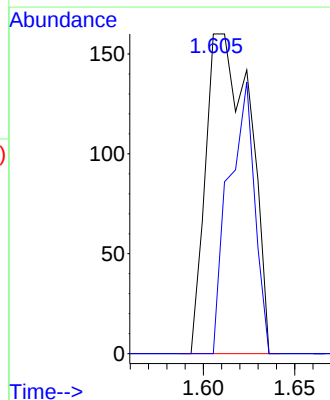
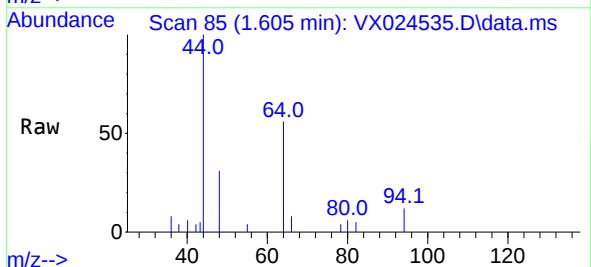
Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

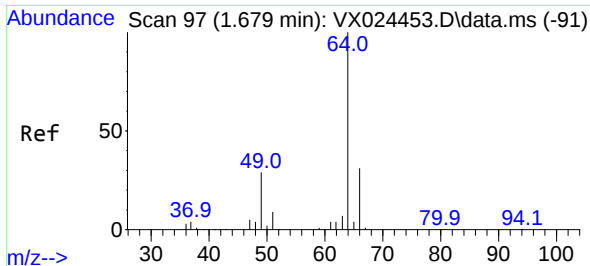
Tgt Ion:168 Resp: 150410
Ion Ratio Lower Upper
168 100
99 56.8 45.8 68.6



#5
Bromomethane
Concen: 0.268 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

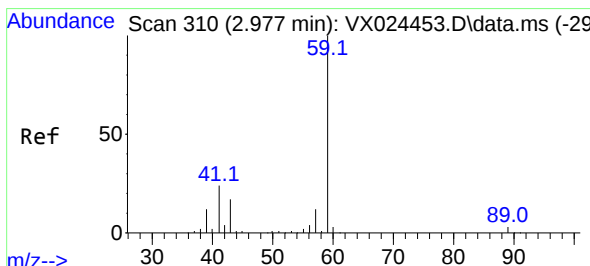
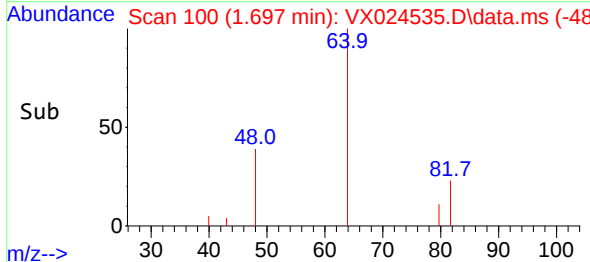
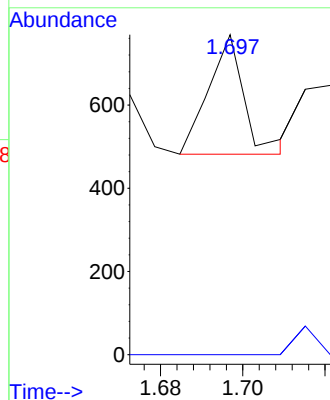
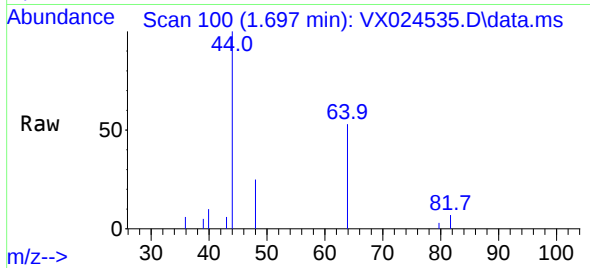




#6
Chloroethane
Concen: 0.432 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

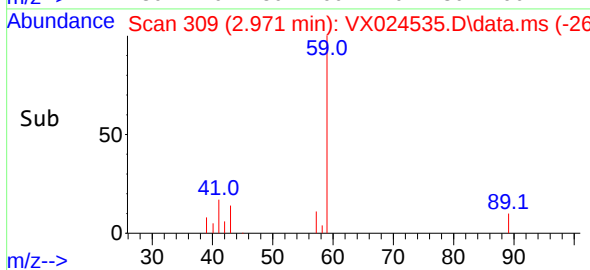
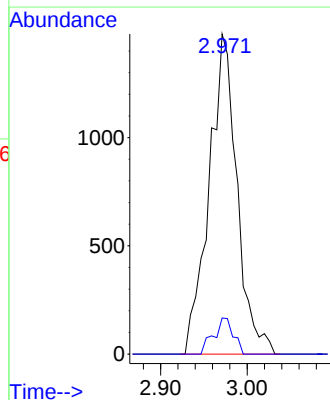
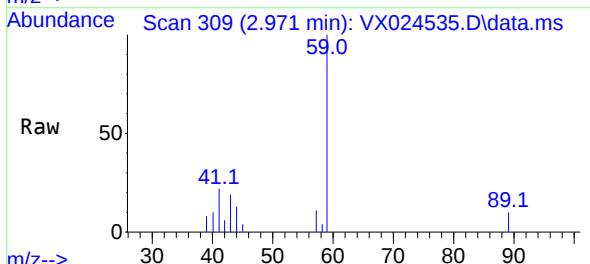
Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

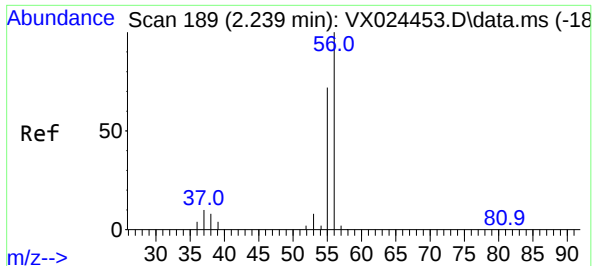
Tgt Ion: 64 Resp: 174
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 59 Resp: 3311
Ion Ratio Lower Upper
59 100
57 7.9 7.8 11.8

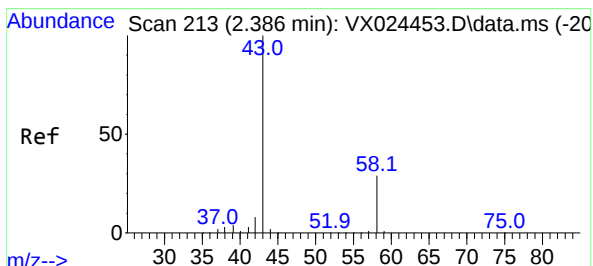
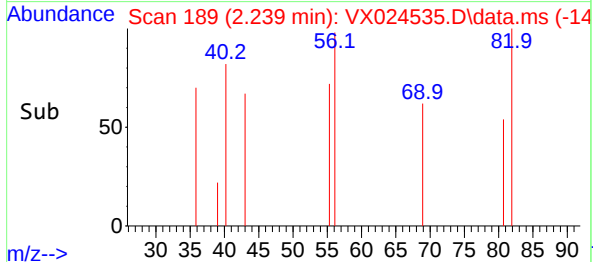
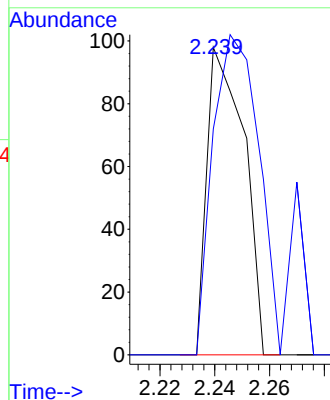
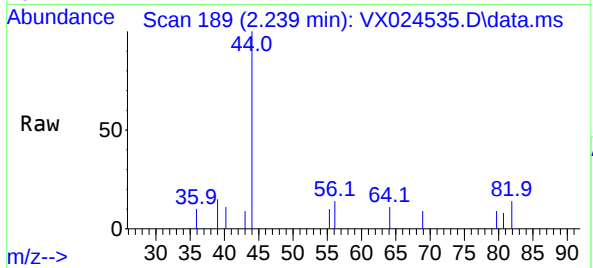




#13
Acrolein
Concen: 10.828 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

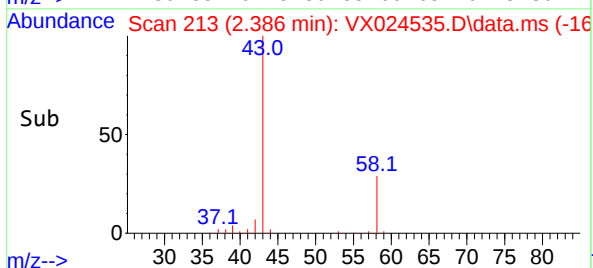
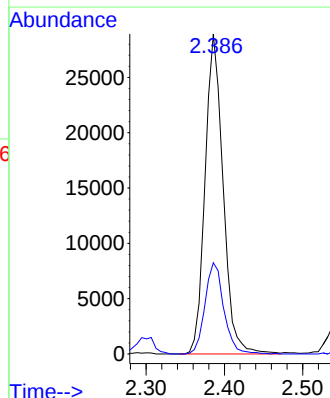
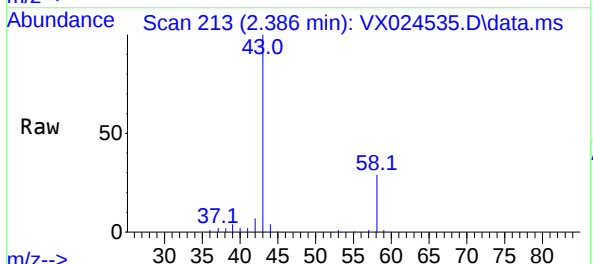
Instrument :
MSVOA_X
ClientSampleId :
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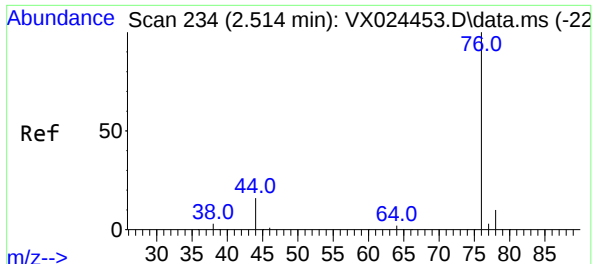
Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 151.1 56.4 84.6#



#16
Acetone
Concen: 43.264 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 43 Resp: 46197
Ion Ratio Lower Upper
43 100
58 28.5 27.8 41.8

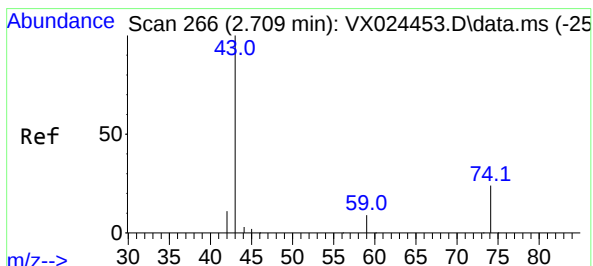
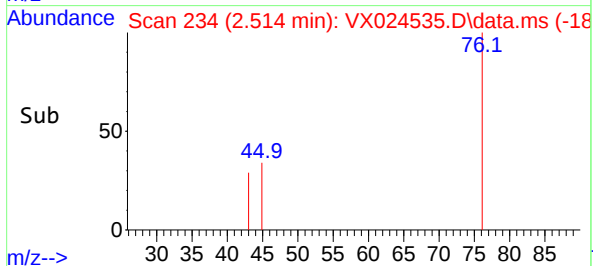
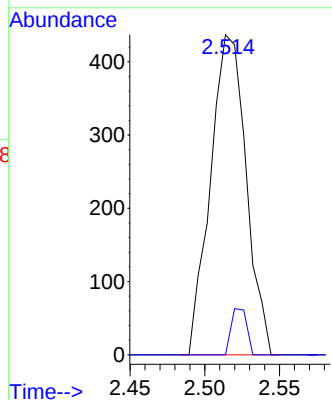
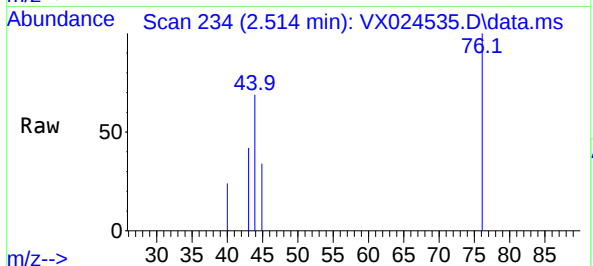




#17
Carbon Disulfide
Concen: 0.431 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

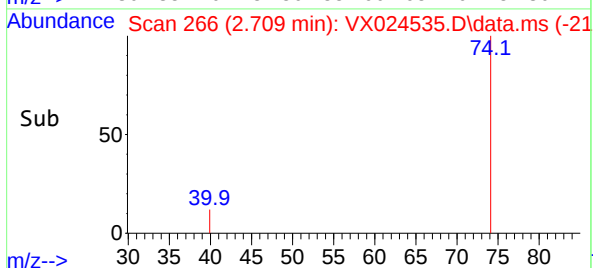
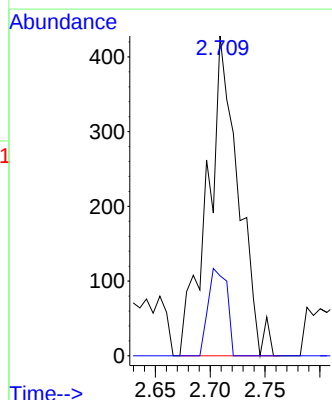
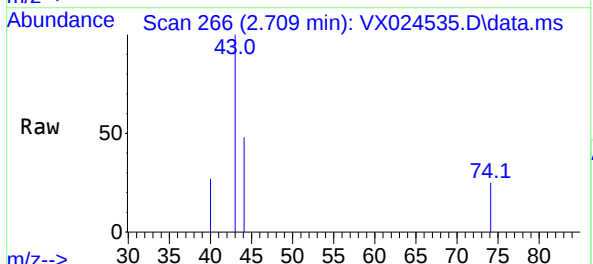
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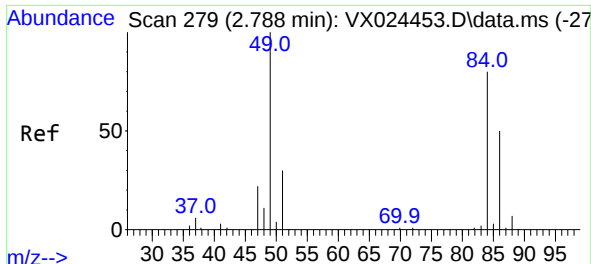
Tgt Ion: 76 Resp: 726
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.265 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
74 16.5 21.9 32.9#



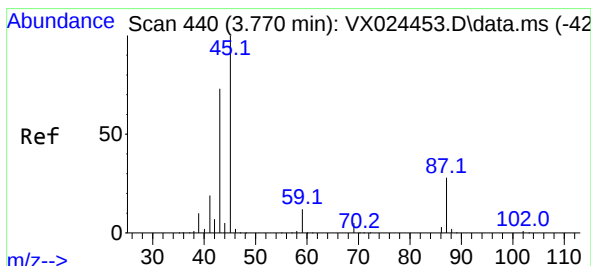
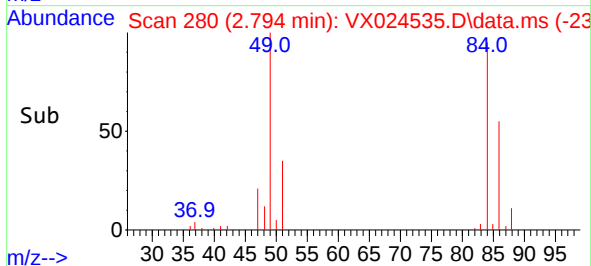
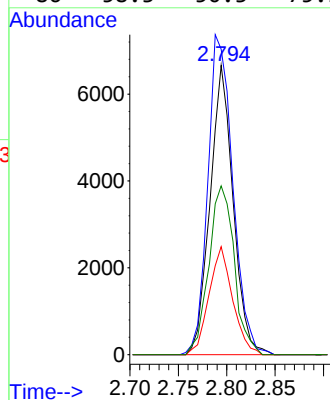
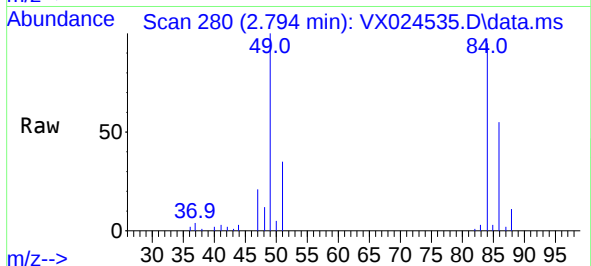


#20
Methylene Chloride
Concen: 5.987 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

Tgt Ion: 84 Resp: 11093

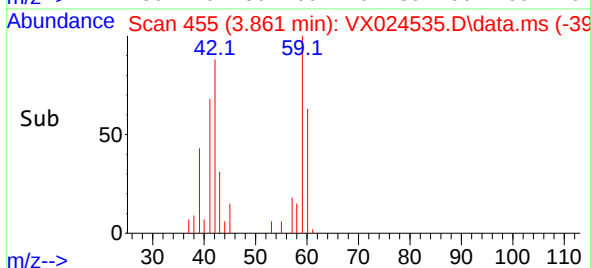
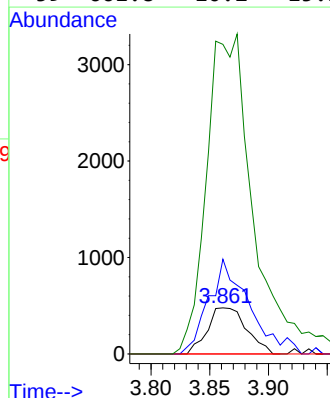
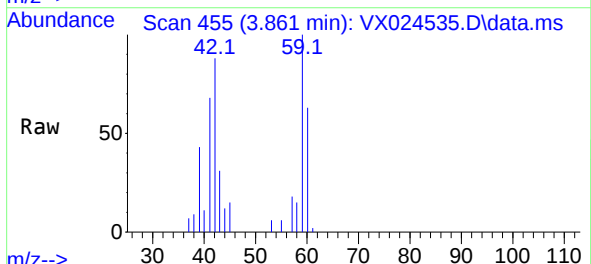
Ion	Ratio	Lower	Upper
84	100		
49	105.6	88.6	132.8
51	37.3	27.0	40.6
86	58.3	50.3	75.5

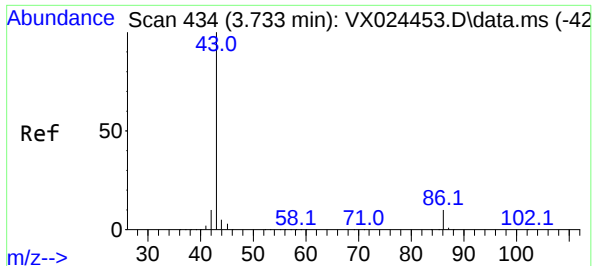


#22
Diisopropyl ether
Concen: 0.215 ug/l
RT: 3.861 min Scan# 455
Delta R.T. 0.091 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 45 Resp: 1105

Ion	Ratio	Lower	Upper
45	100		
43	205.9	58.0	87.0#
87	0.0	25.4	38.0#
59	661.8	10.2	15.2#

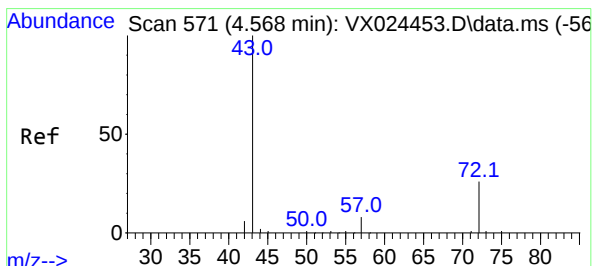
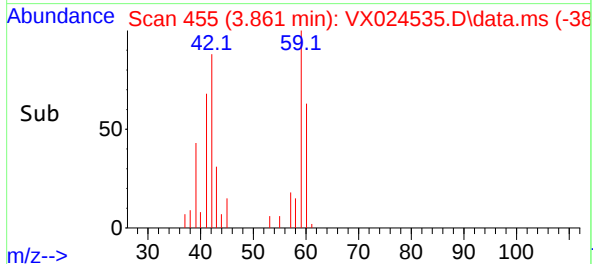
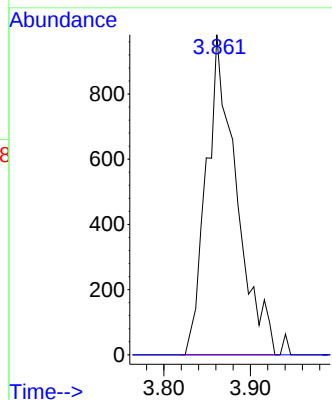
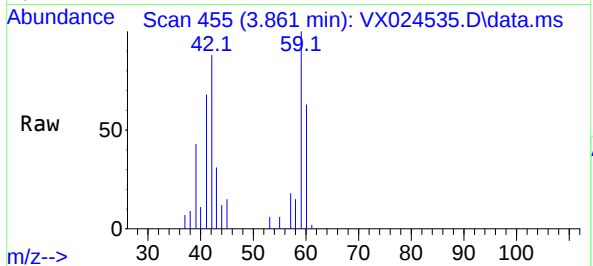




#23
 Vinyl Acetate
 Concen: 0.567 ug/l
 RT: 3.861 min Scan# 455
 Delta R.T. 0.128 min
 Lab File: VX024535.D
 Acq: 04 Oct 2021 21:04

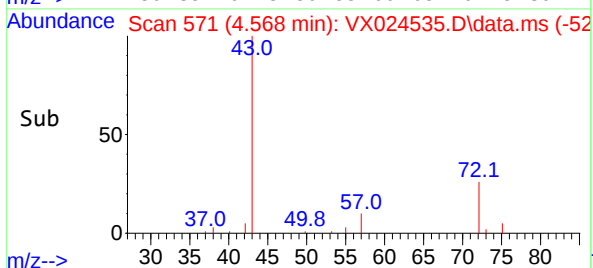
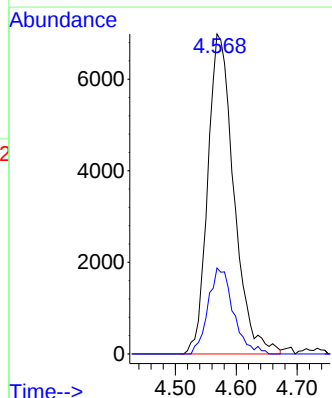
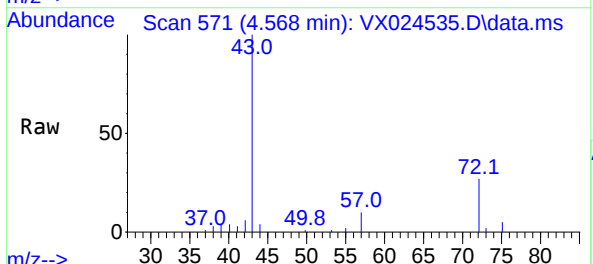
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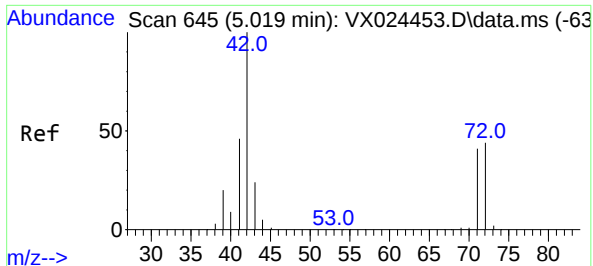
Tgt Ion: 43 Resp: 2365
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 14.254 ug/l
 RT: 4.568 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: VX024535.D
 Acq: 04 Oct 2021 21:04

Tgt Ion: 43 Resp: 20809
 Ion Ratio Lower Upper
 43 100
 72 26.8 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.876 ug/l

RT: 5.032 min Scan# 647

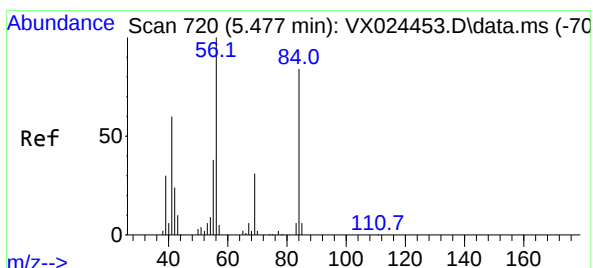
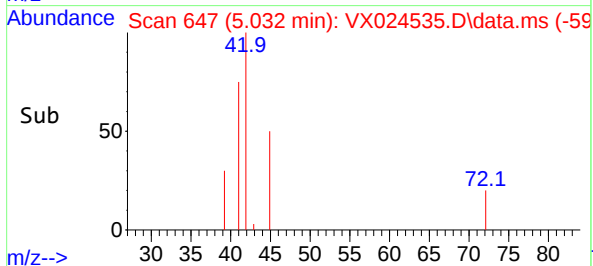
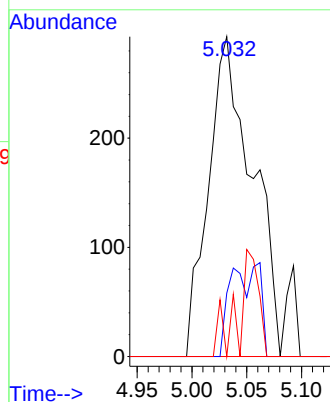
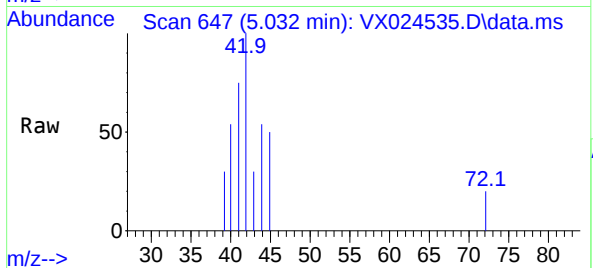
Delta R.T. 0.013 min

Lab File: VX024535.D

Acq: 04 Oct 2021 21:04

Tgt Ion:	42	Resp:	815
Ion	Ratio	Lower	Upper
42	100		
72	12.0	41.7	62.5#
71	2.3	38.4	57.6#

Instrument :
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ClientSampleId :
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#31

Cyclohexane

Concen: 0.611 ug/l

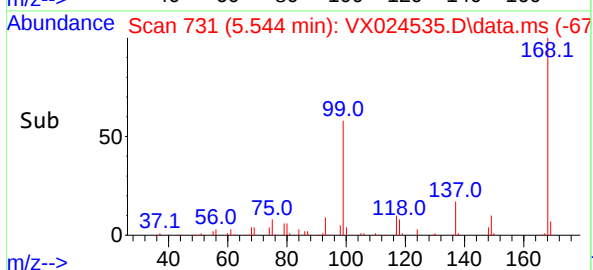
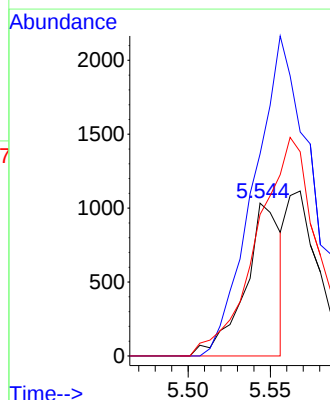
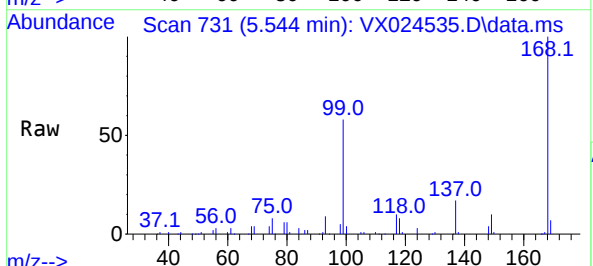
RT: 5.544 min Scan# 731

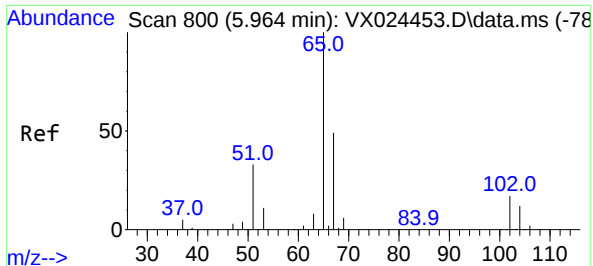
Delta R.T. 0.067 min

Lab File: VX024535.D

Acq: 04 Oct 2021 21:04

Tgt Ion:	56	Resp:	1551
Ion	Ratio	Lower	Upper
56	100		
69	132.1	25.3	37.9#
84	92.6	71.4	107.0



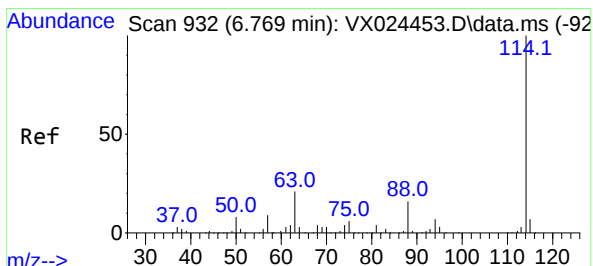
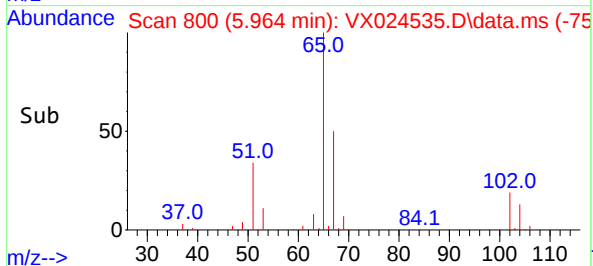
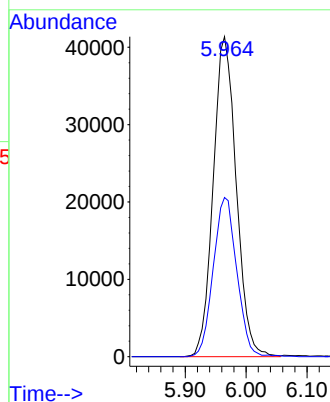
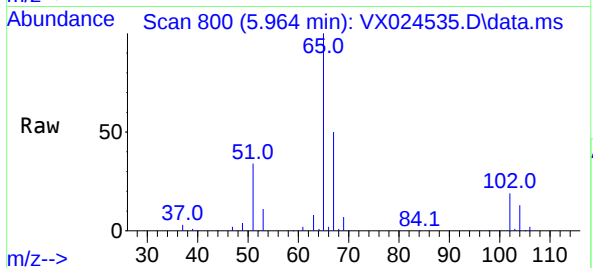


#33

1,2-Dichloroethane-d4
Concen: 51.169 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

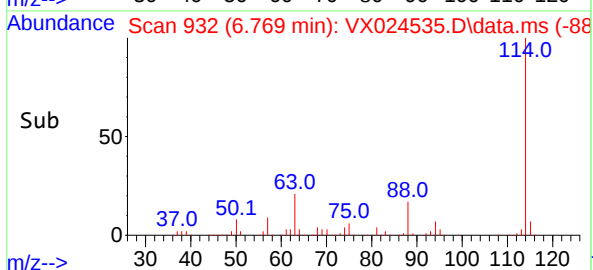
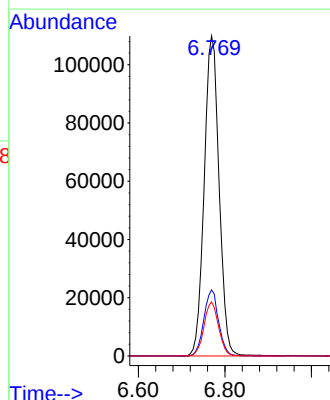
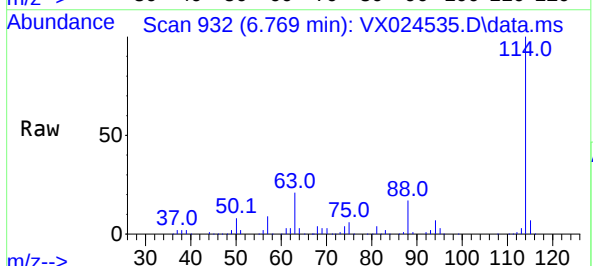
Tgt Ion: 65 Resp: 108470
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.4

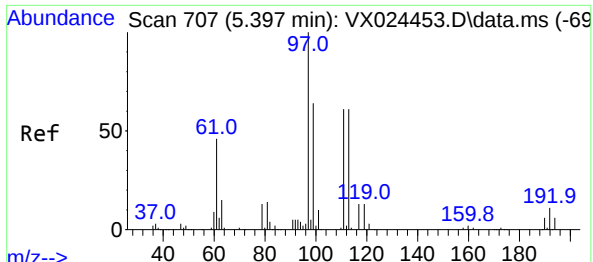


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 114 Resp: 262243
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.9 0.0 32.8

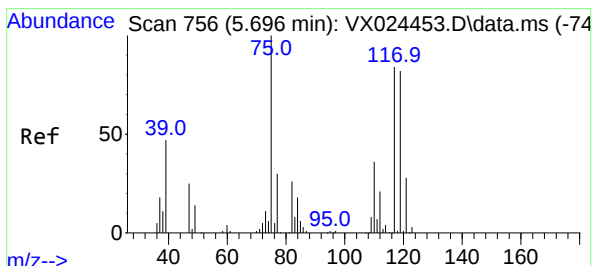
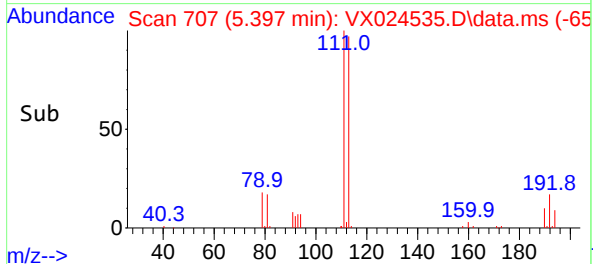
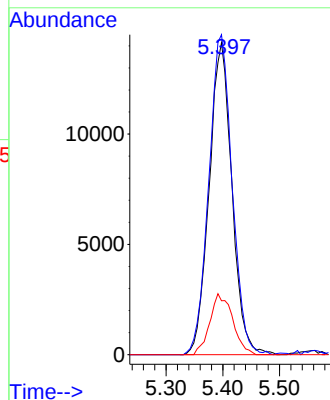
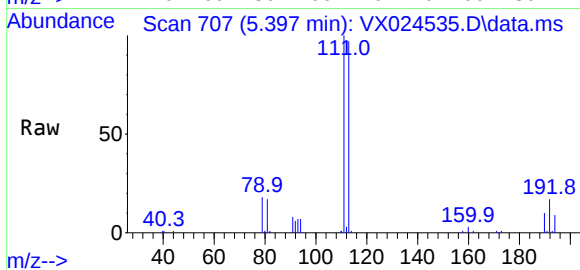




#35
Dibromofluoromethane
Concen: 22.600 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

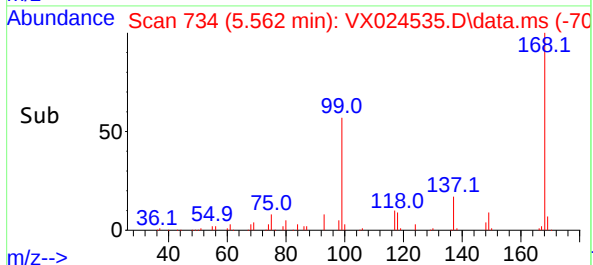
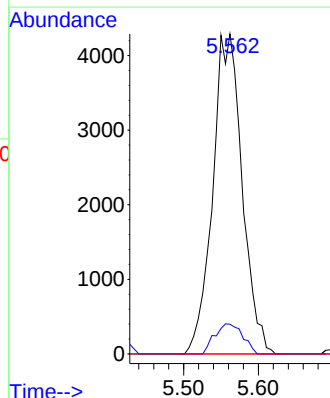
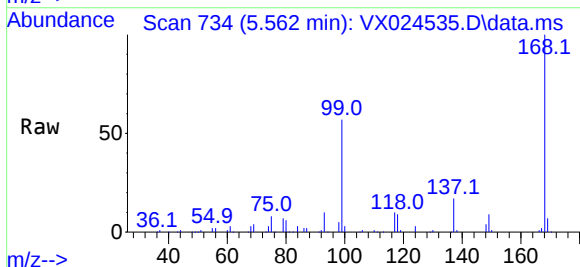
Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

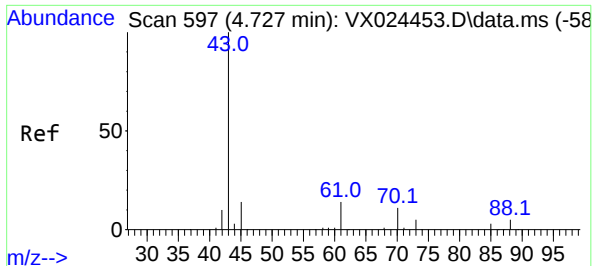
Tgt Ion:	113	Resp:	39372
Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.9	122.9
192	19.6	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.673 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion:	75	Resp:	11747
Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 6.630 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.159 min

Lab File: VX024535.D

Acq: 04 Oct 2021 21:04

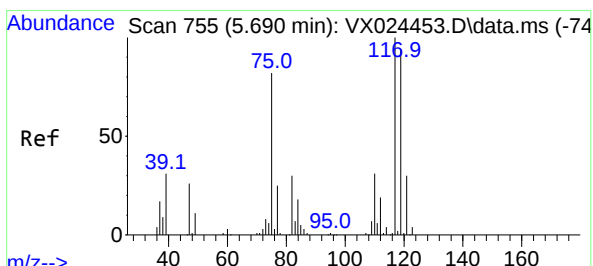
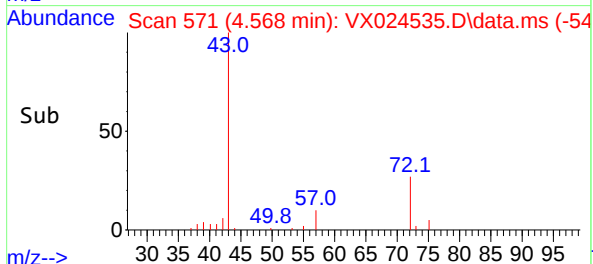
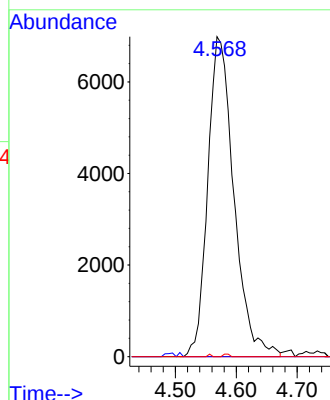
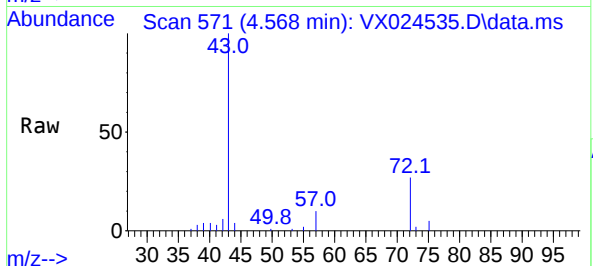
Instrument :

MSVOA_X

ClientSampleId :

STEEL-WELL-GATE-1-GROUTRE

Tgt Ion:	43	Resp:	20809
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.1	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.665 ug/l

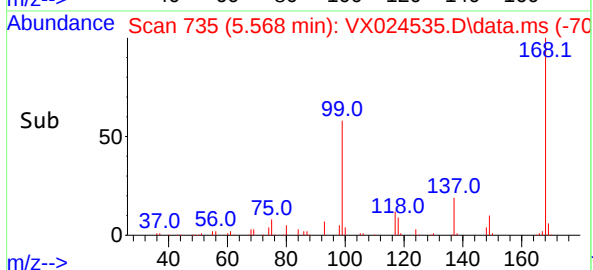
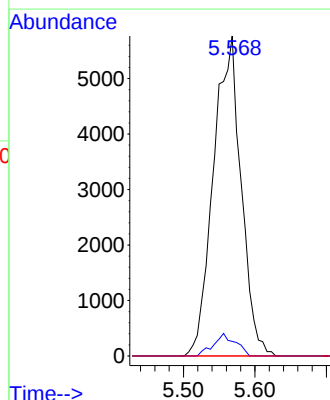
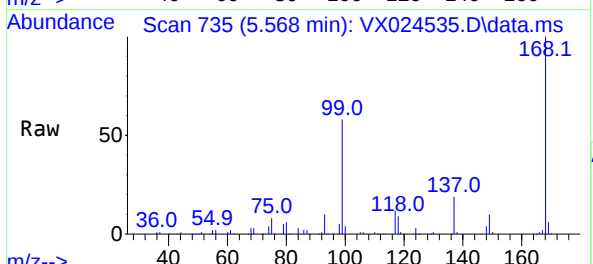
RT: 5.568 min Scan# 735

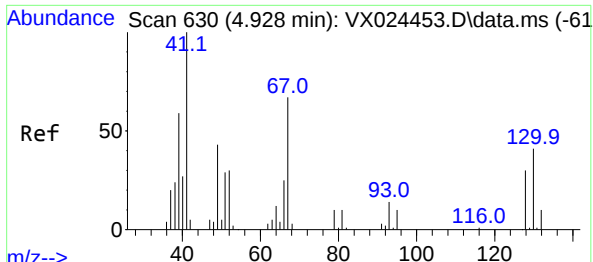
Delta R.T. -0.122 min

Lab File: VX024535.D

Acq: 04 Oct 2021 21:04

Tgt Ion:	117	Resp:	15503
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.2	114.2#
121	0.0	24.8	37.2#



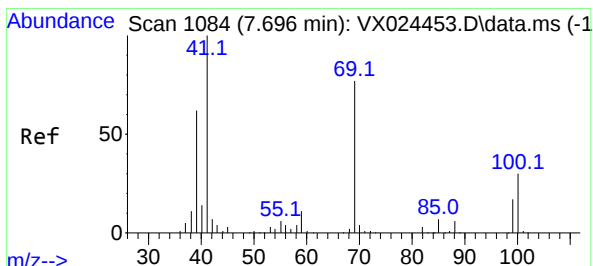
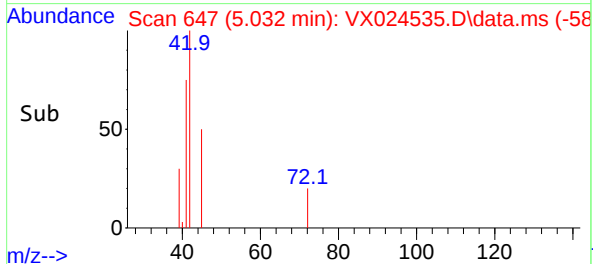
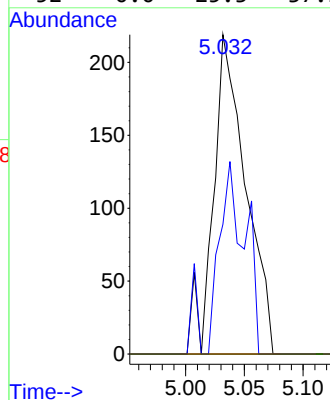
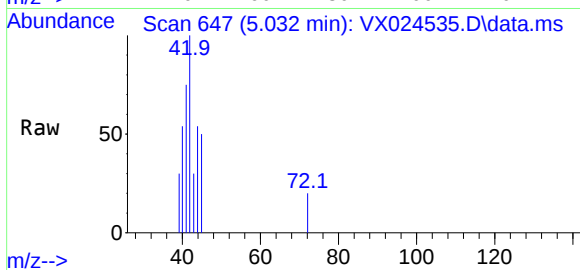


#41
Methacrylonitrile
Concen: 0.260 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

Tgt Ion: 41 Resp: 422

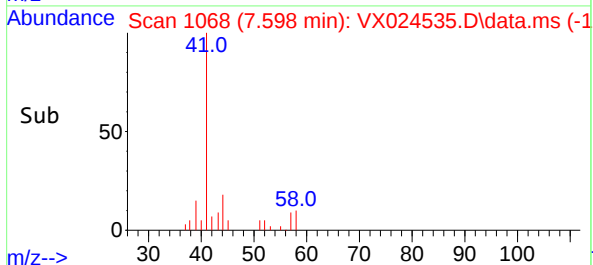
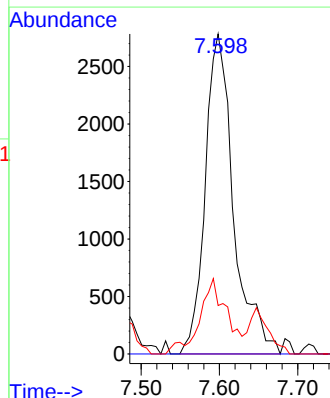
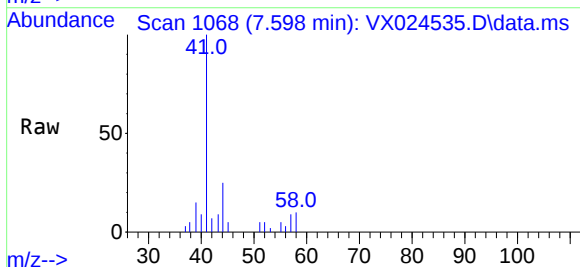
Ion	Ratio	Lower	Upper
41	100		
39	46.9	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

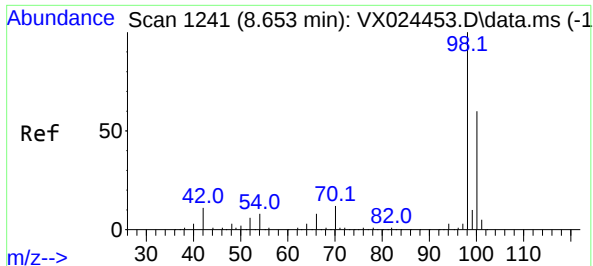


#48
Methyl methacrylate
Concen: 2.967 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 41 Resp: 7010

Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	22.6	44.6	67.0#

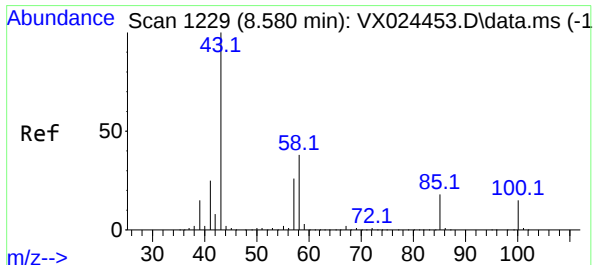
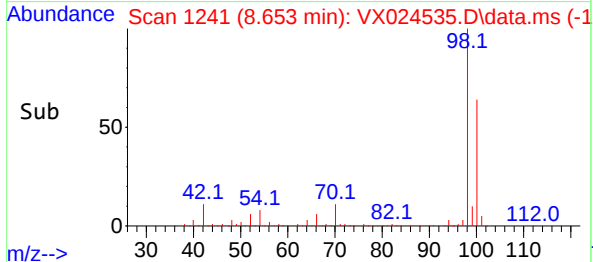
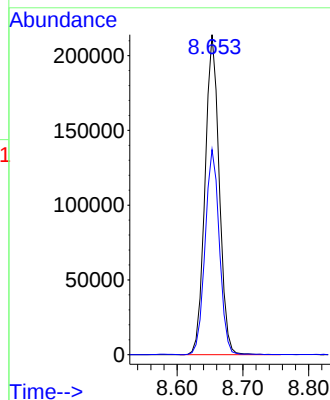
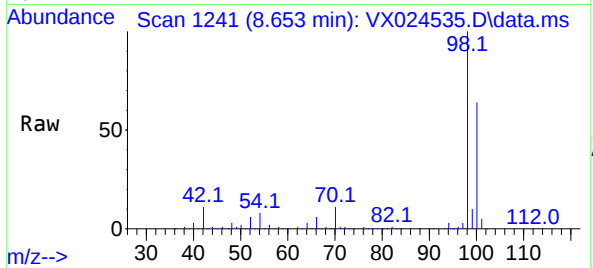




#50
Toluene-d8
Concen: 50.087 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

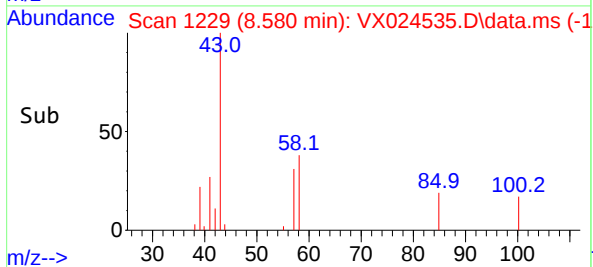
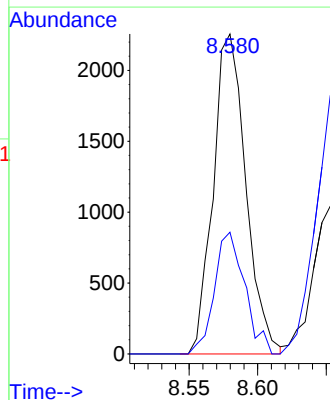
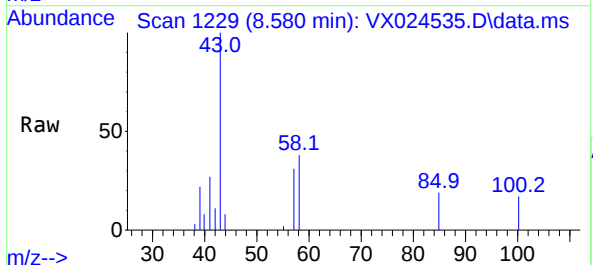
Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

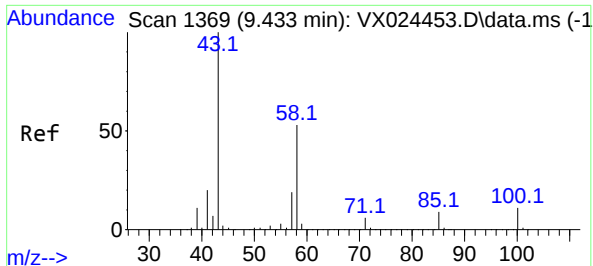
Tgt Ion: 98 Resp: 321162
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.187 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 43 Resp: 3738
Ion Ratio Lower Upper
43 100
58 35.3 35.4 53.0#

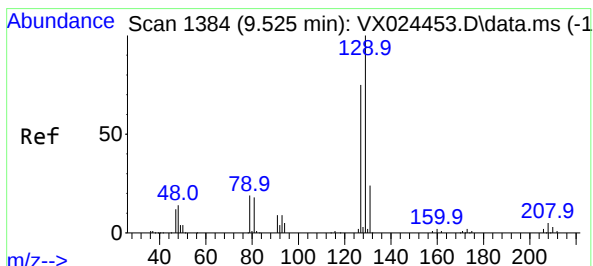
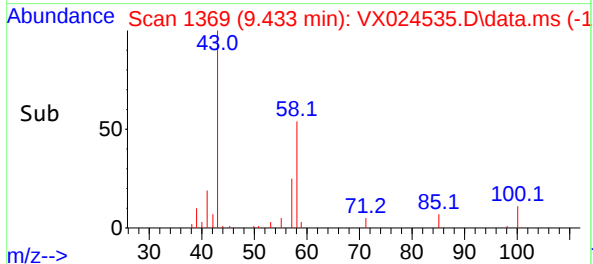
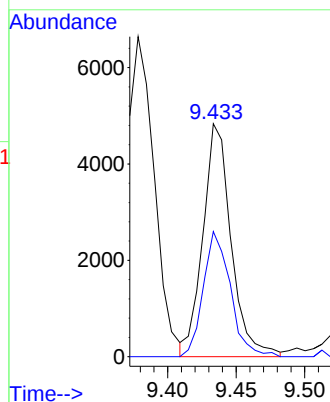
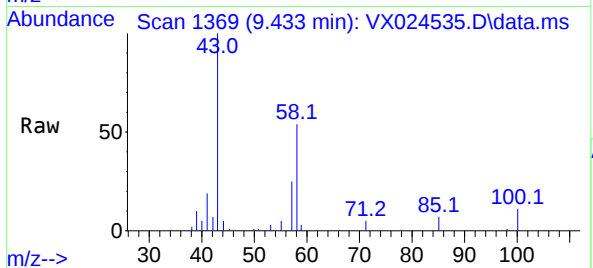




#59
2-Hexanone
Concen: 2.794 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

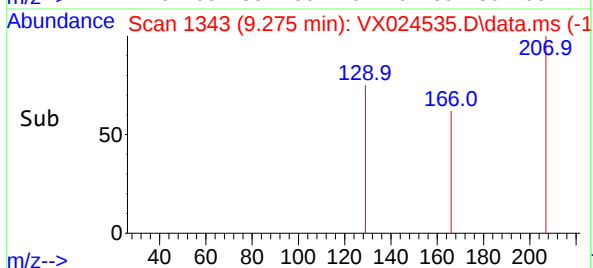
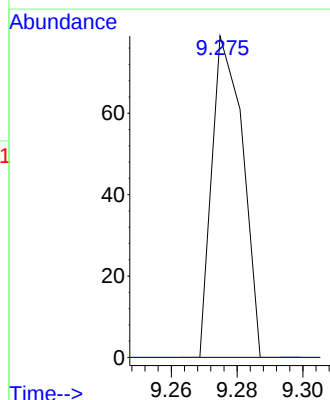
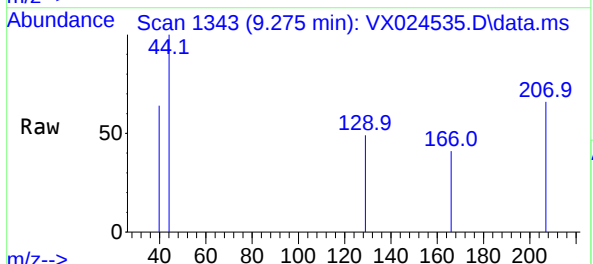
Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

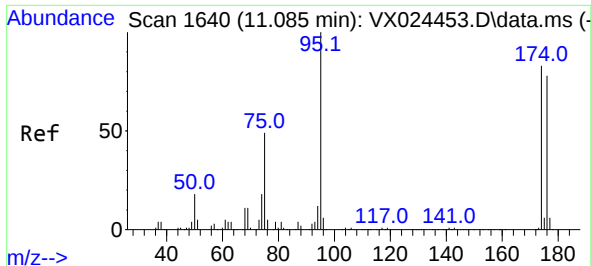
Tgt Ion: 43 Resp: 6931
Ion Ratio Lower Upper
43 100
58 51.6 30.9 92.8



#60
Dibromochloromethane
Concen: 1.210 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 129 Resp: 51
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

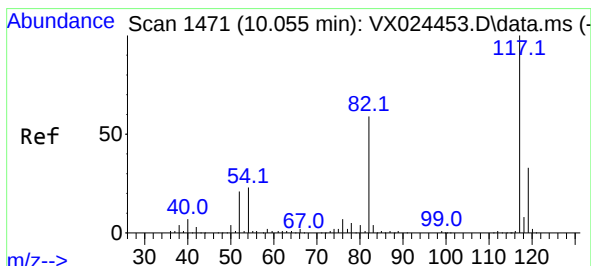
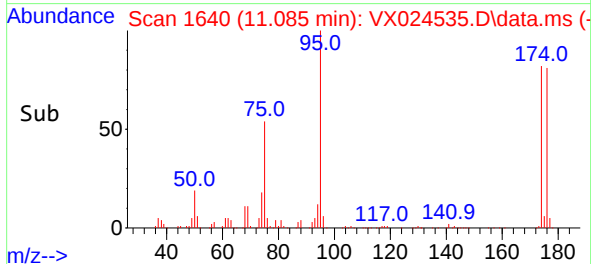
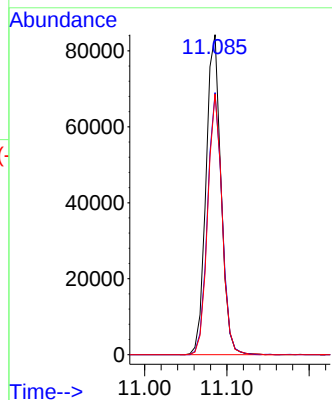
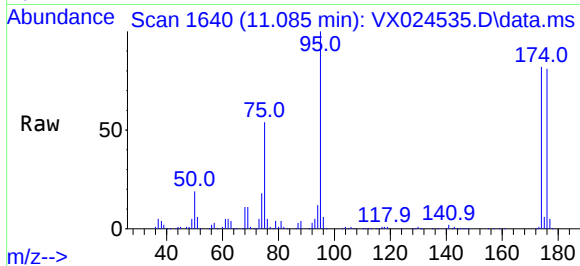




#62
4-Bromofluorobenzene
Concen: 42.314 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

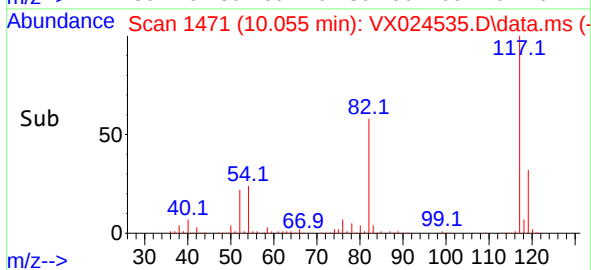
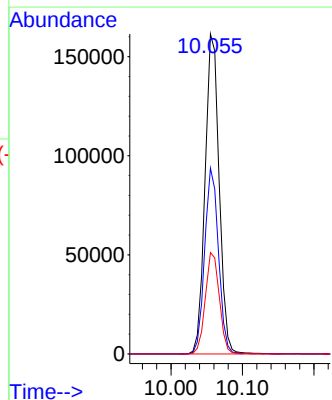
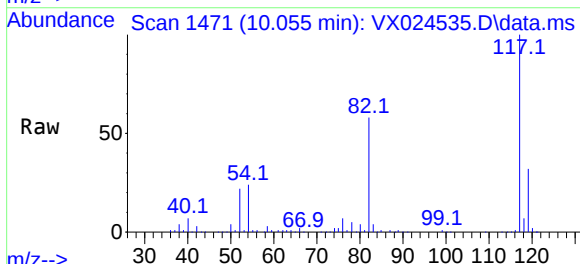
Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

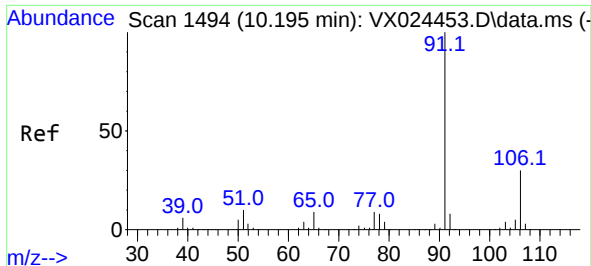
Tgt Ion: 95 Resp: 106677
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 78.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 117 Resp: 221346
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 31.7 26.6 39.8

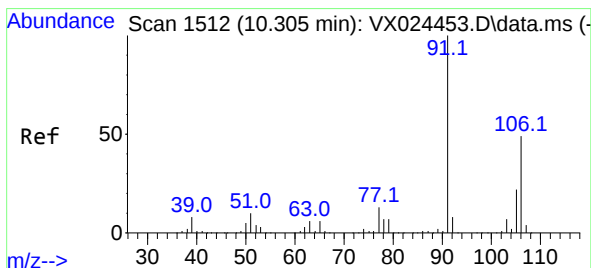
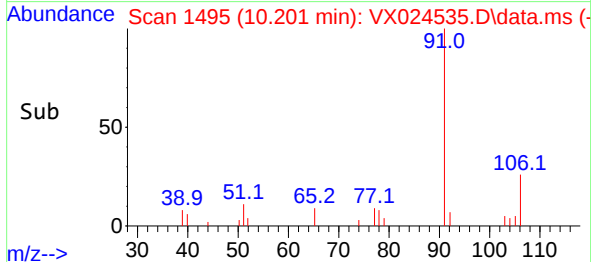
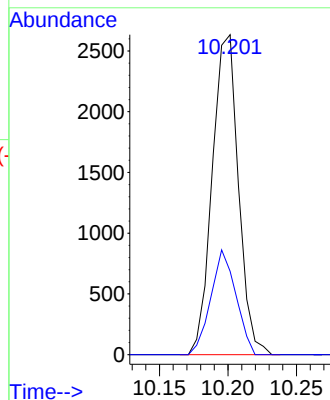
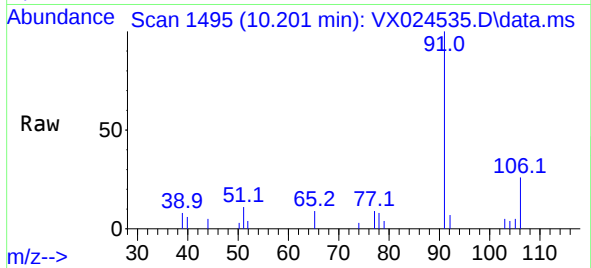




#67
Ethyl Benzene
Concen: 0.429 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

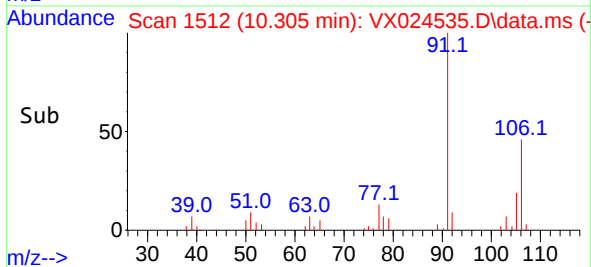
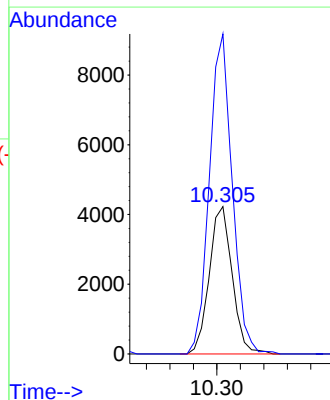
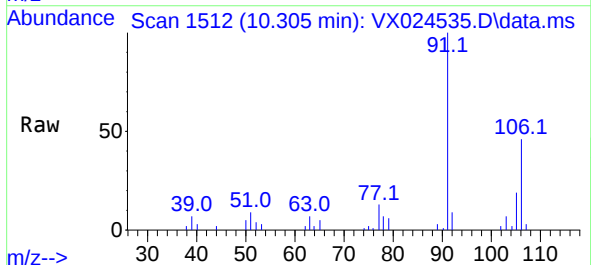
Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

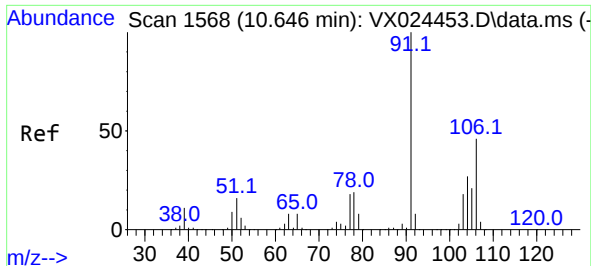
Tgt Ion: 91 Resp: 3498
Ion Ratio Lower Upper
91 100
106 26.0 24.6 37.0



#68
m/p-Xylenes
Concen: 1.832 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 106 Resp: 5735
Ion Ratio Lower Upper
106 100
91 216.3 162.8 244.2

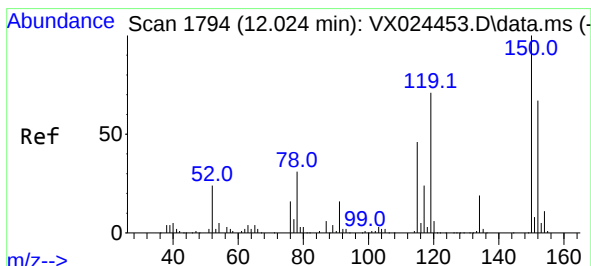
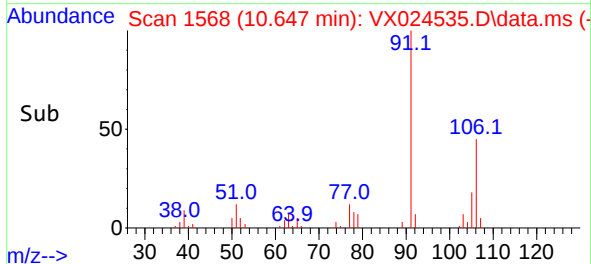
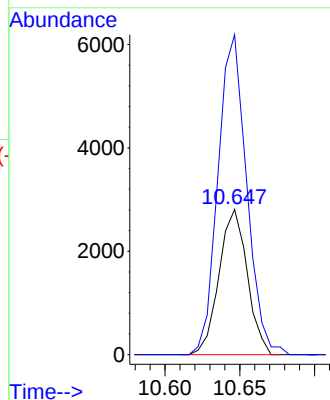
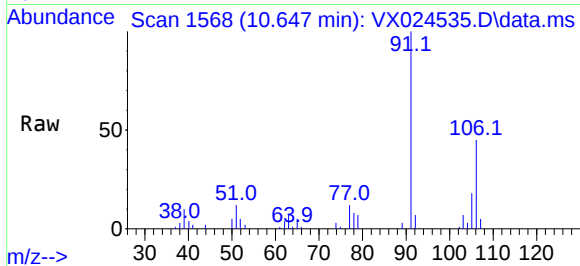




#69
o-Xylene
Concen: 1.190 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

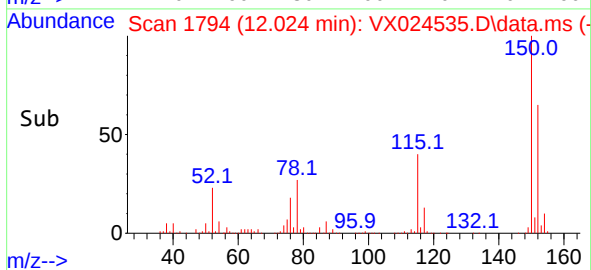
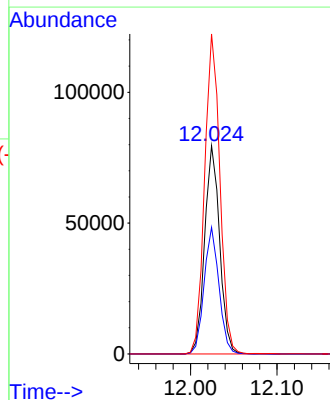
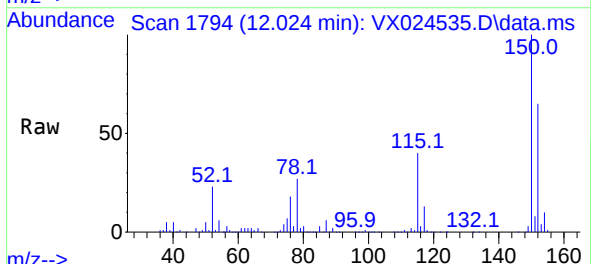
Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

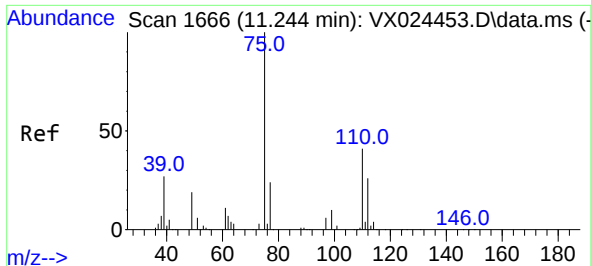
Tgt Ion:106 Resp: 3684
Ion Ratio Lower Upper
106 100
91 223.9 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion:152 Resp: 95551
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 156.7 0.0 349.0

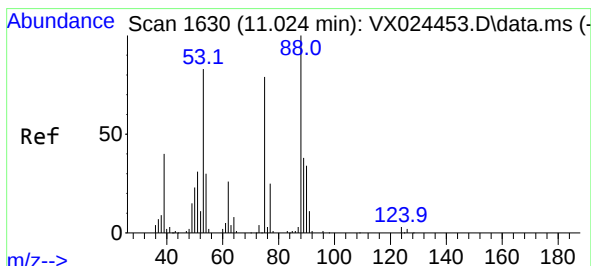
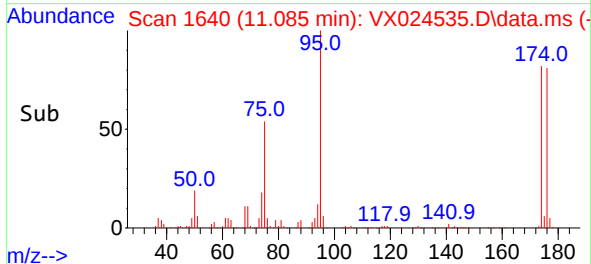
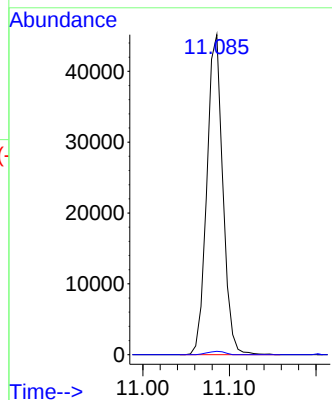
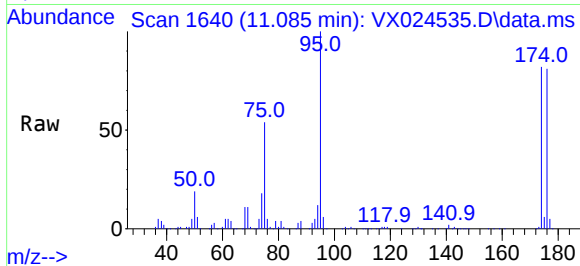




#76
1,2,3-Trichloropropane
Concen: 26.609 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Instrument :
MSVOA_X
ClientSampleId :
STEEL-WELL-GATE-1-GROUTRE

Tgt Ion: 75 Resp: 57739
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.437 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024535.D
Acq: 04 Oct 2021 21:04

Tgt Ion: 75 Resp: 57739
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

