

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052921\
 Data File : VX022280.D
 Acq On : 29 May 2021 03:04
 Operator : JC/MD
 Sample : M2529-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41815

Quant Time: May 29 05:00:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

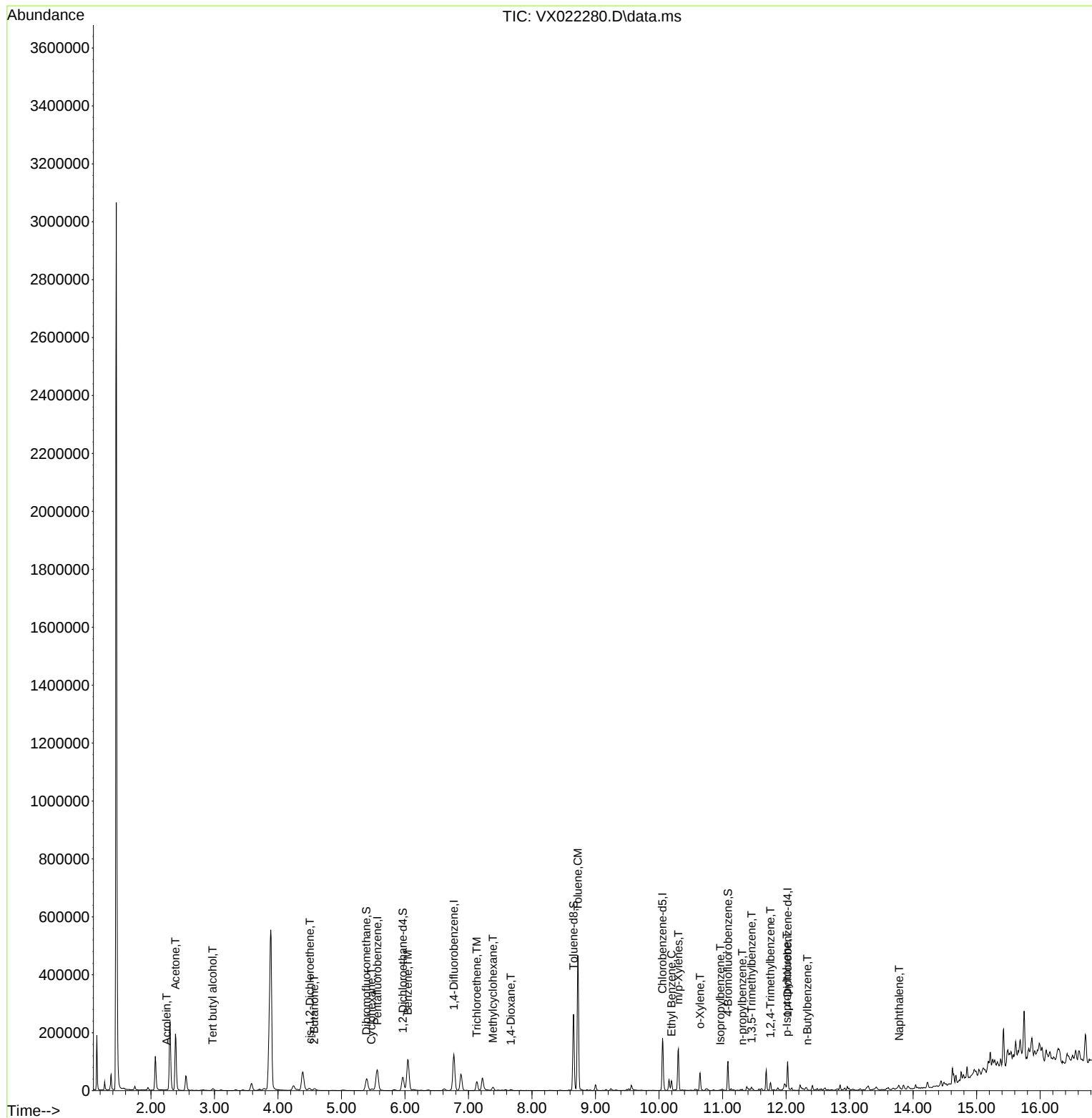
Internal Standards						
1) Pentafluorobenzene	5.562	168	62484	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	124023	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	77563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	17566	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	42513	44.11	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.22%
35) Dibromofluoromethane	5.391	113	35227	44.79	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.58%
50) Toluene-d8	8.653	98	149835	49.46	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.92%
62) 4-Bromofluorobenzene	11.085	95	27047	24.15	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	48.30%#
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.971	59	5775	26.20	ug/l	100
13) Acrolein	2.245	56	1518	10.38	ug/l	93
16) Acetone	2.386	43	195283	465.30	ug/l	96
25) 2-Butanone	4.568	43	11221	16.53	ug/l	95
27) cis-1,2-Dichloroethene	4.501	96	4105	4.33	ug/l	93
31) Cyclohexane	5.470	56	3865	3.19	ug/l	# 76
39) Methylcyclohexane	7.385	83	4805	3.69	ug/l	# 80
40) Benzene	6.044	78	128524	36.42	ug/l	99
44) Trichloroethene	7.129	130	10673	12.17	ug/l	99
49) 1,4-Dioxane	7.665	88	1285	62.28	ug/l	# 41
52) Toluene	8.720	92	180338	80.70	ug/l	98
67) Ethyl Benzene	10.195	91	16749	5.64	ug/l	99
68) m/p-Xylenes	10.305	106	31962	28.47	ug/l	98
69) o-Xylene	10.646	106	11837	10.84	ug/l	91
73) Isopropylbenzene	10.963	105	1362	0.92	ug/l	88
78) n-propylbenzene	11.311	91	2542	1.46	ug/l	93
80) 1,3,5-Trimethylbenzene	11.457	105	4506	3.66	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	11518	9.29	ug/l	99
86) p-Isopropyltoluene	12.012	119	852	0.67	ug/l	84
89) n-Butylbenzene	12.335	91	1369	1.17	ug/l	# 48
95) Naphthalene	13.780	128	7754	5.64	ug/l	# 93

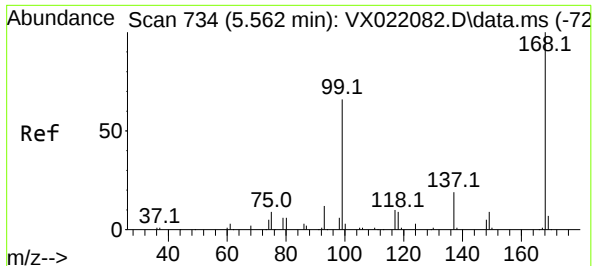
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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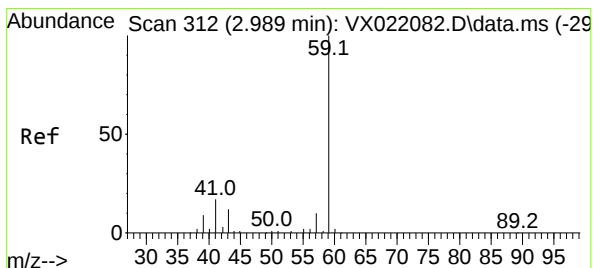
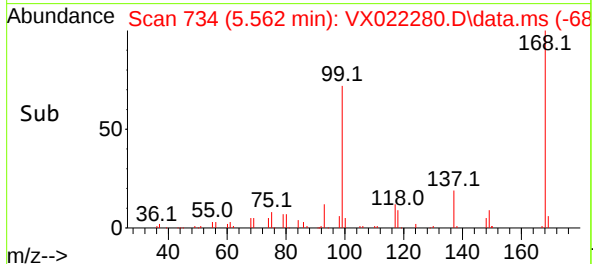
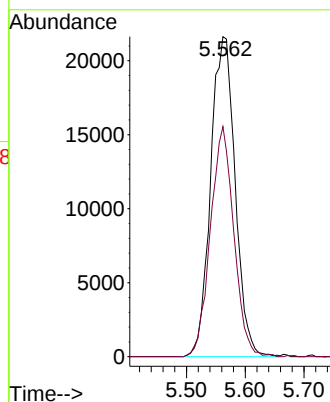
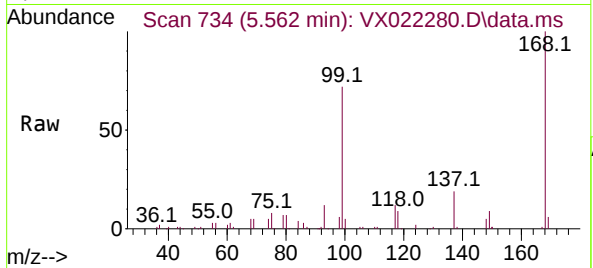




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

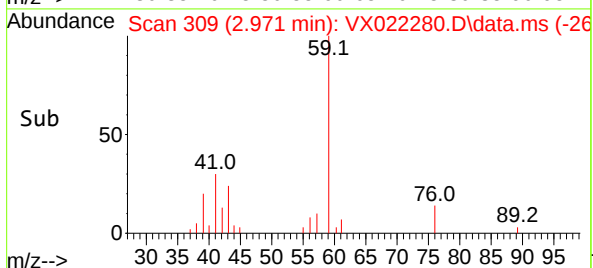
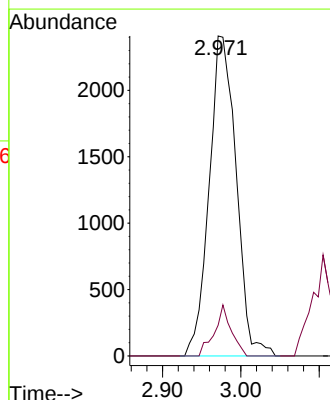
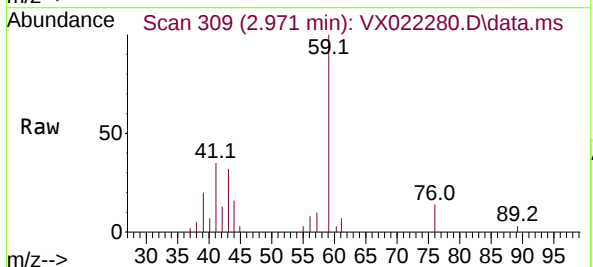
Instrument :
MSVOA_X
ClientSampleId :
41815

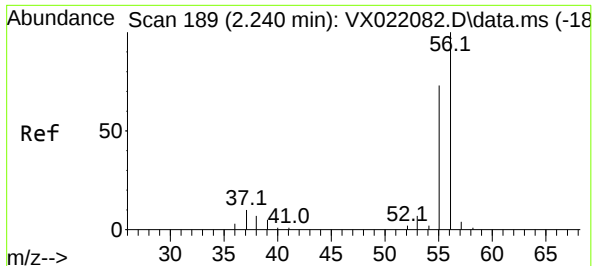
Tgt Ion:168 Resp: 62484
Ion Ratio Lower Upper
168 100
99 71.9 45.8 68.6#



#11
Tert butyl alcohol
Concen: 26.20 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion: 59 Resp: 5775
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.8

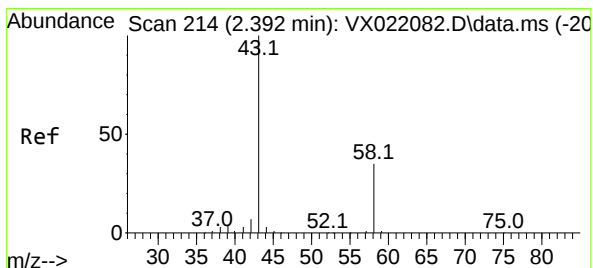
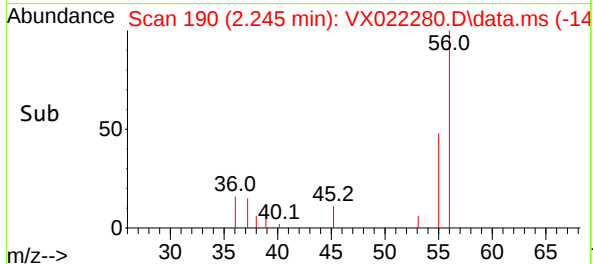
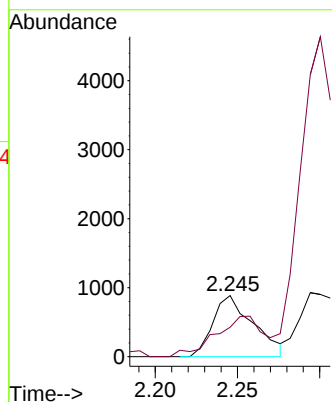
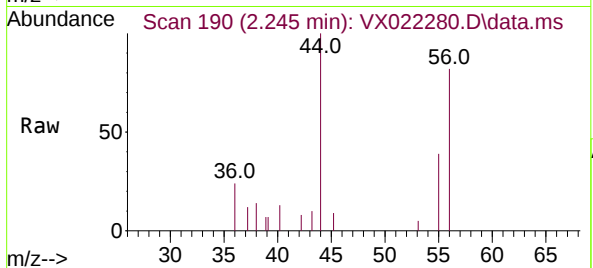




#13
Acrolein
Concen: 10.38 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.005 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

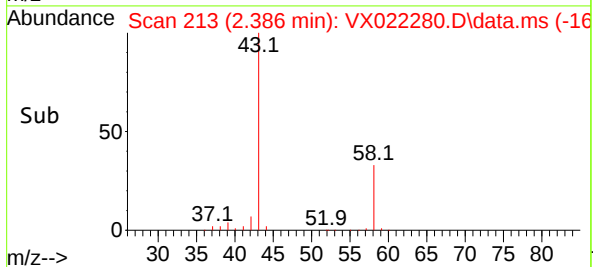
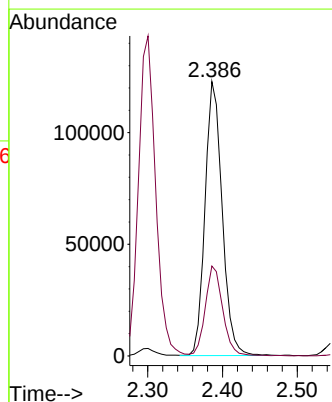
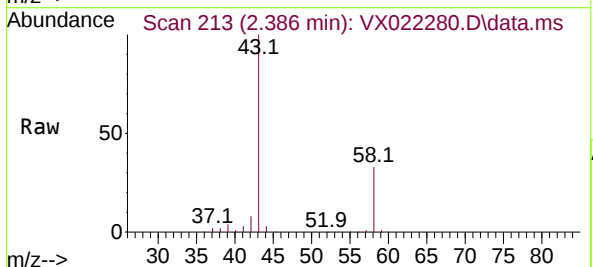
Instrument :
MSVOA_X
ClientSampleId :
41815

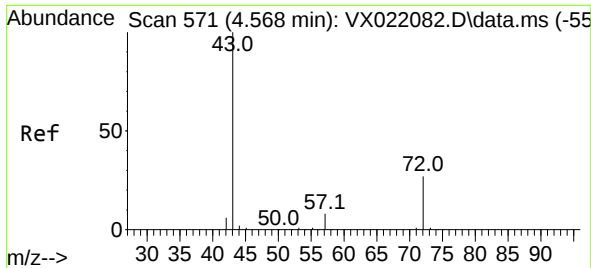
Tgt Ion: 56 Resp: 1518
Ion Ratio Lower Upper
56 100
55 76.2 56.4 84.6



#16
Acetone
Concen: 465.30 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion: 43 Resp: 195283
Ion Ratio Lower Upper
43 100
58 32.6 27.8 41.8

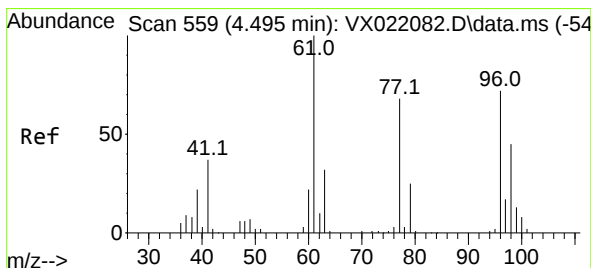
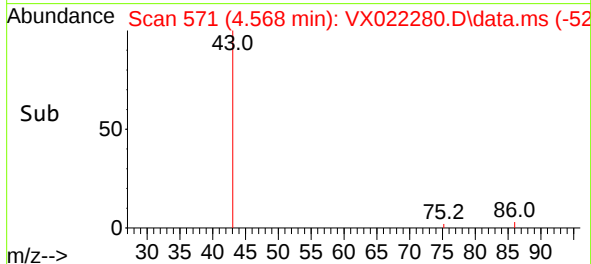
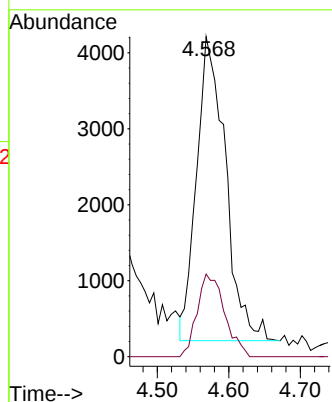
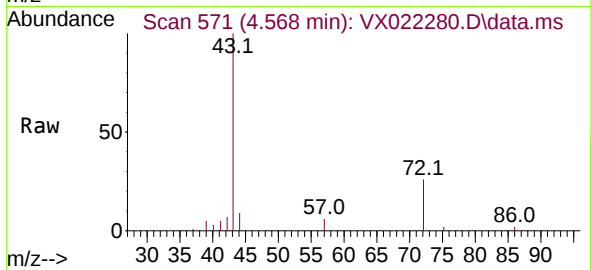




#25
2-Butanone
Concen: 16.53 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

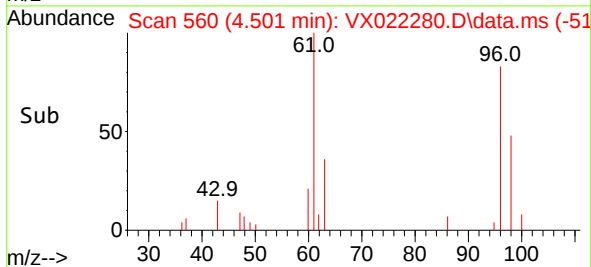
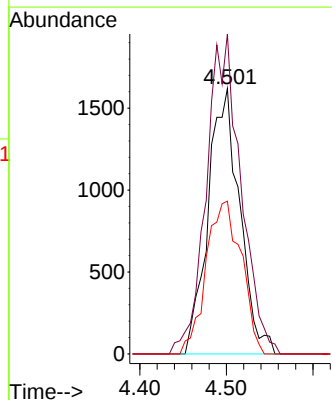
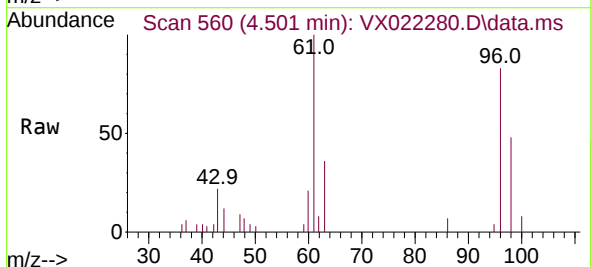
Instrument :
MSVOA_X
ClientSampled :
41815

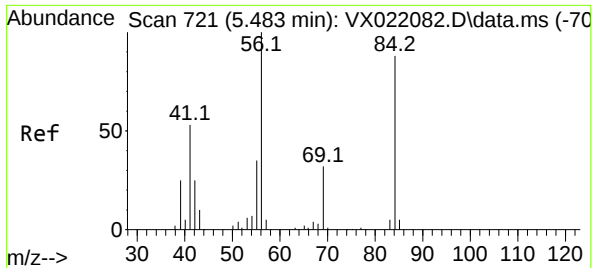
Tgt Ion: 43 Resp: 11221
Ion Ratio Lower Upper
43 100
72 27.2 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 4.33 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion: 96 Resp: 4105
Ion Ratio Lower Upper
96 100
61 131.5 0.0 285.6
98 64.0 0.0 129.6

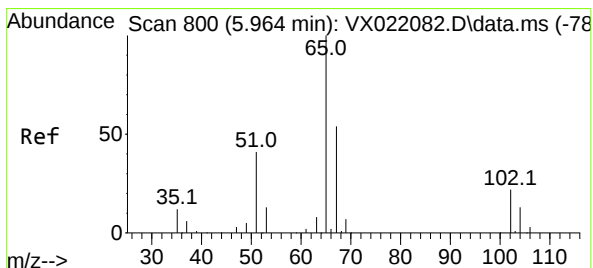
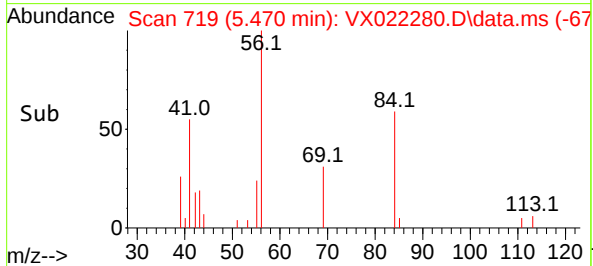
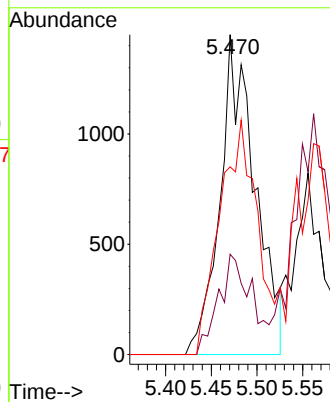
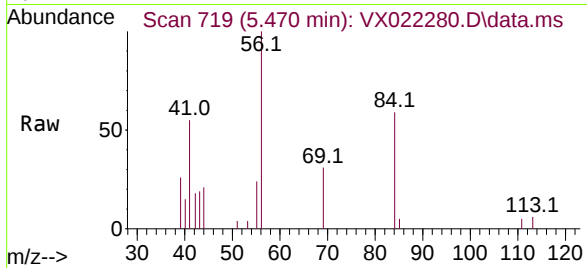




#31
Cyclohexane
Concen: 3.19 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.013 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

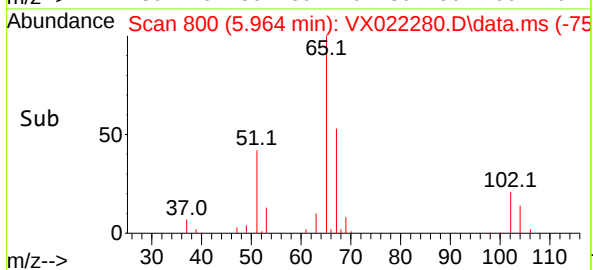
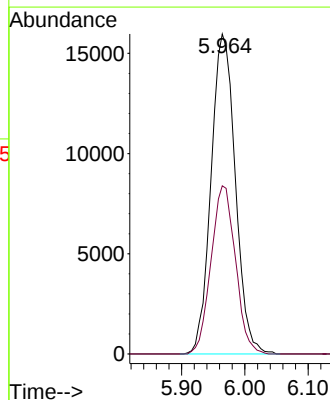
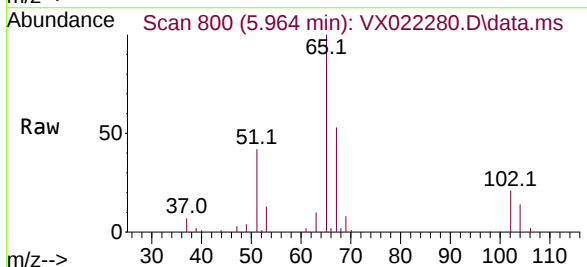
Instrument :
MSVOA_X
ClientSampleId :
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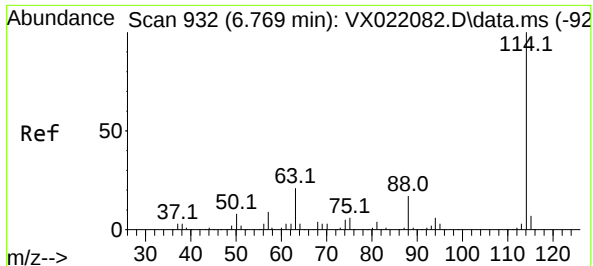
Tgt Ion: 56 Resp: 3865
Ion Ratio Lower Upper
56 100
69 31.4 25.3 37.9
84 58.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 44.11 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion: 65 Resp: 42513
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

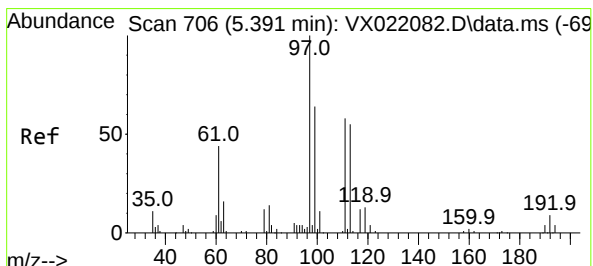
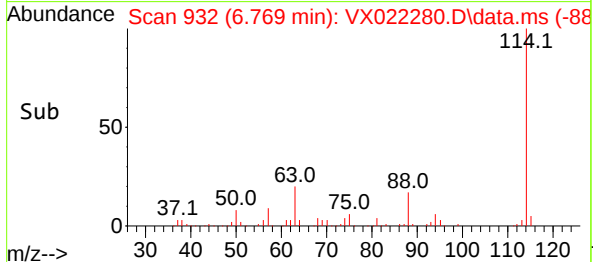
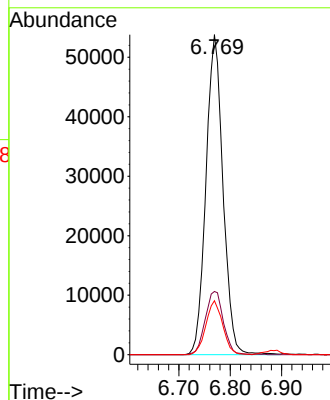
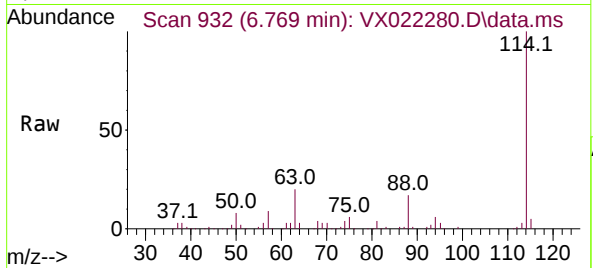




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

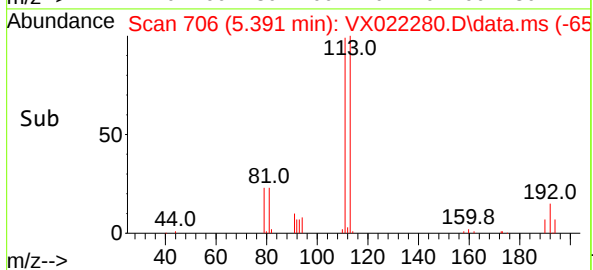
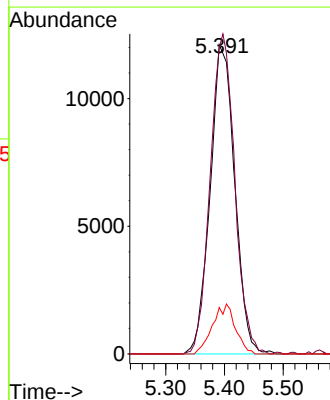
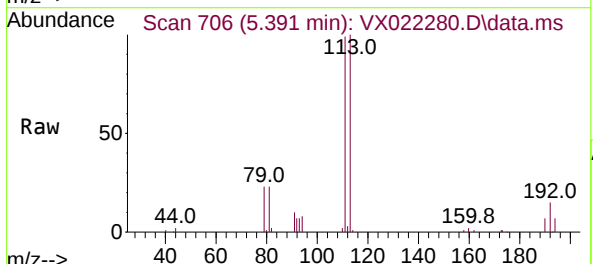
Instrument :
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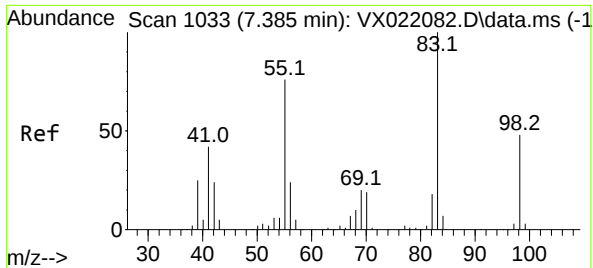
Tgt Ion:114 Resp: 124023
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 44.79 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion:113 Resp: 35227
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 15.0 16.7 25.1#





#39

Methylcyclohexane

Concen: 3.69 ug/l

RT: 7.385 min Scan# 1033

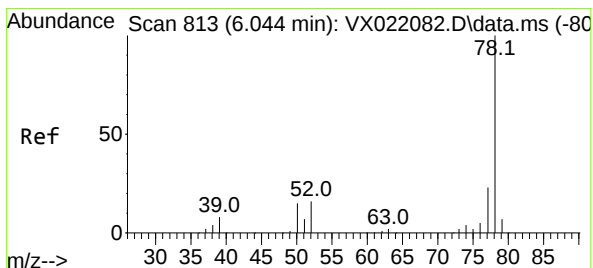
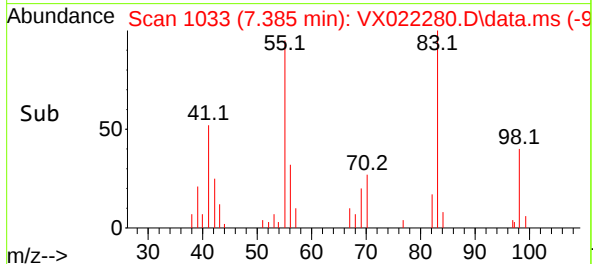
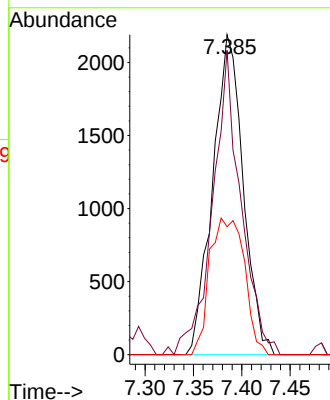
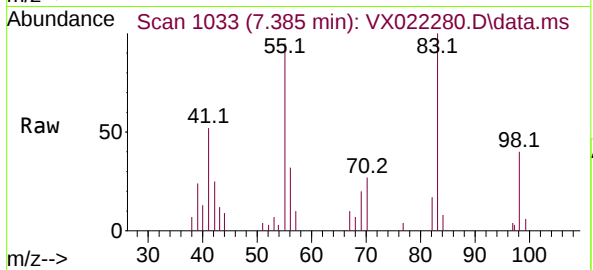
Delta R.T. -0.000 min

Lab File: VX022280.D

Acq: 29 May 2021 03:04

Tgt Ion:	83	Resp:	4805
Ion	Ratio	Lower	Upper
83	100		
55	95.1	58.9	88.3#
98	40.0	38.1	57.1

Instrument :
MSVOA_X
ClientSampled :
41815



#40

Benzene

Concen: 36.42 ug/l

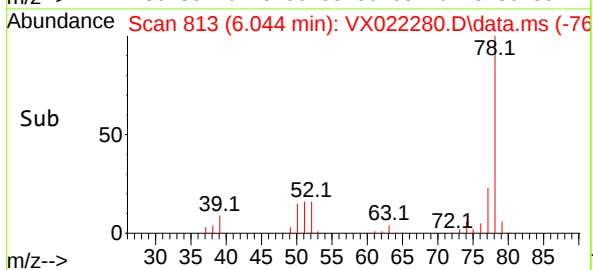
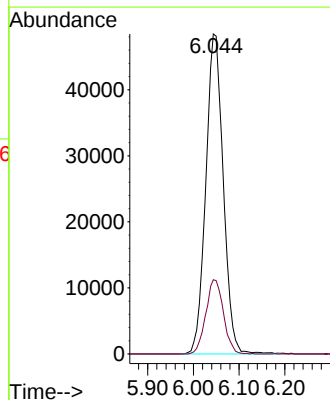
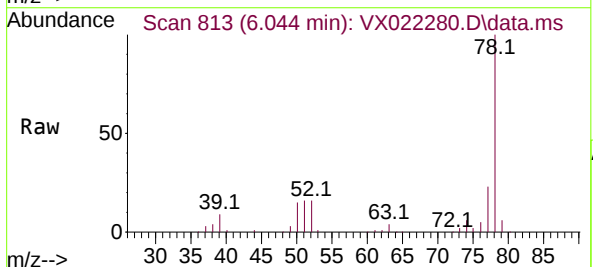
RT: 6.044 min Scan# 813

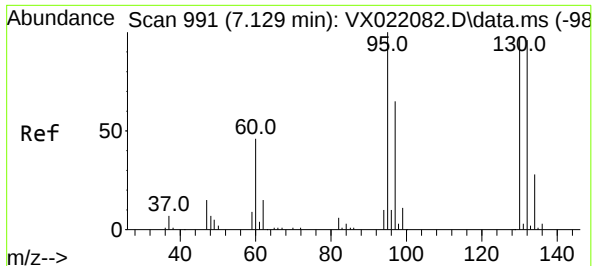
Delta R.T. -0.000 min

Lab File: VX022280.D

Acq: 29 May 2021 03:04

Tgt Ion:	78	Resp:	128524
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3

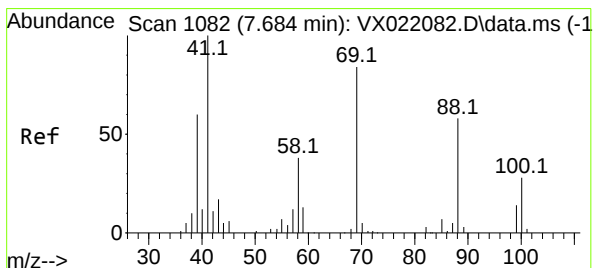
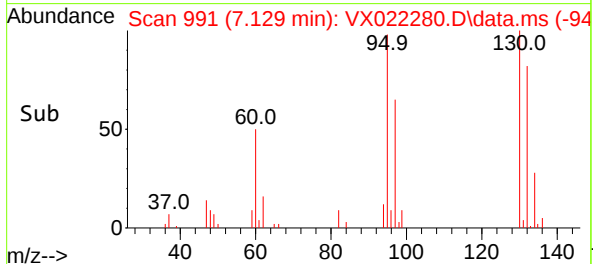
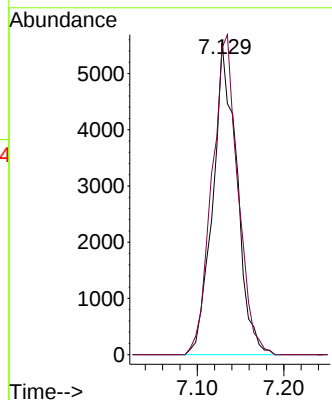
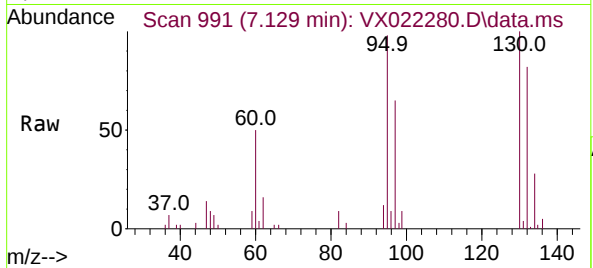




#44
Trichloroethene
Concen: 12.17 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

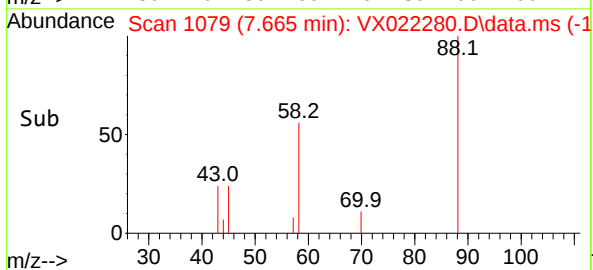
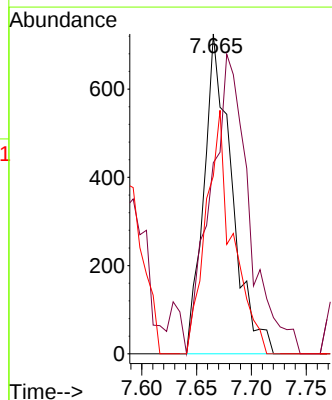
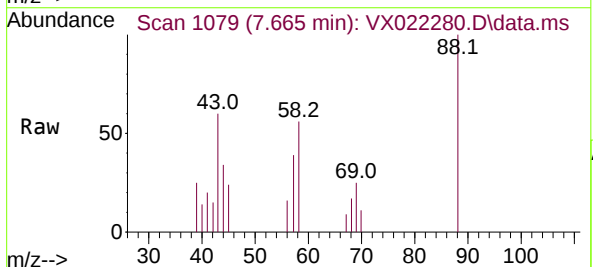
Instrument :
MSVOA_X
ClientSampleId :
41815

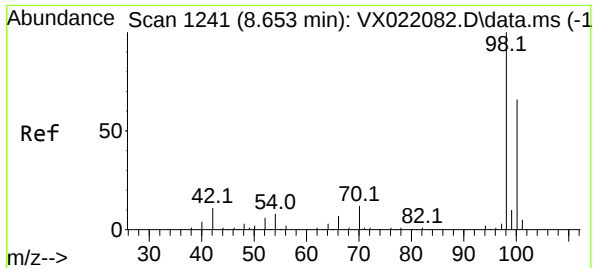
Tgt Ion:130 Resp: 10673
Ion Ratio Lower Upper
130 100
95 98.5 0.0 198.0



#49
1,4-Dioxane
Concen: 62.28 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. -0.019 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion: 88 Resp: 1285
Ion Ratio Lower Upper
88 100
43 128.7 23.2 34.8#
58 72.6 55.0 82.4

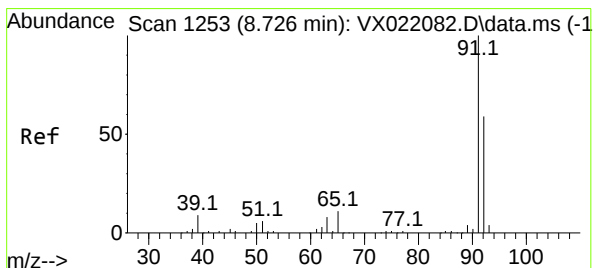
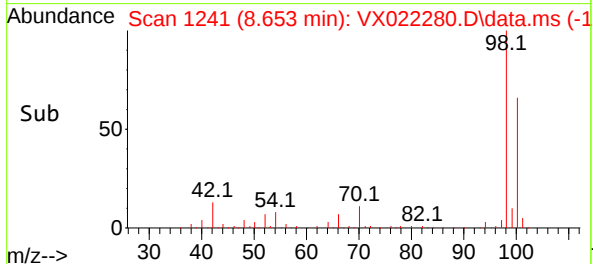
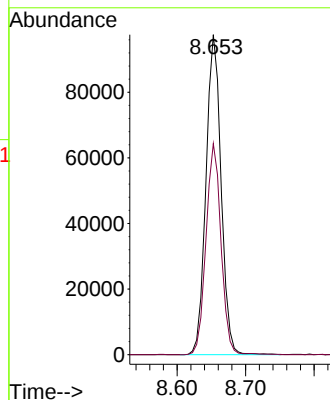
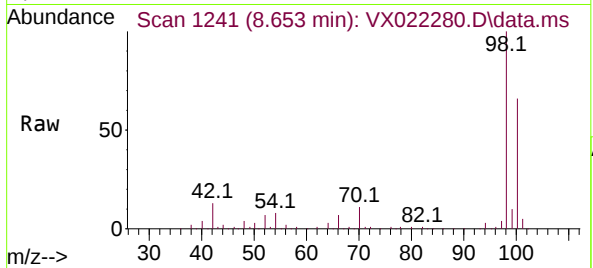




#50
Toluene-d8
Concen: 49.46 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

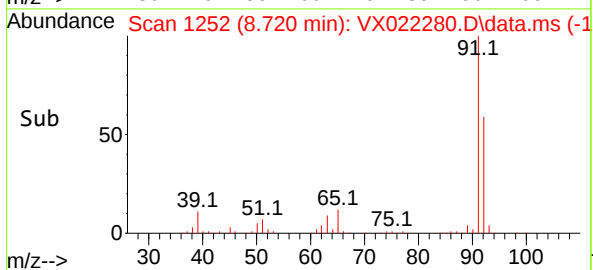
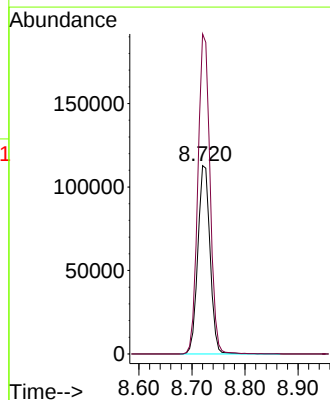
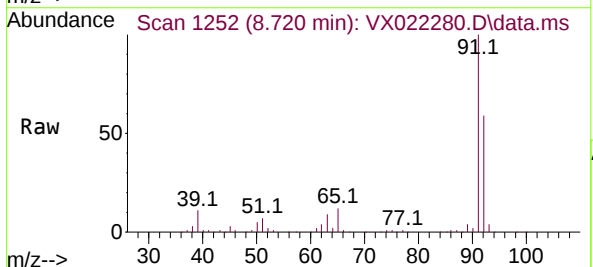
Instrument :
MSVOA_X
ClientSampleId :
41815

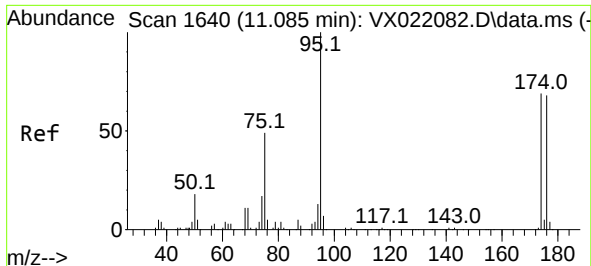
Tgt Ion: 98 Resp: 149835
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#52
Toluene
Concen: 80.70 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion: 92 Resp: 180338
Ion Ratio Lower Upper
92 100
91 168.9 137.1 205.7

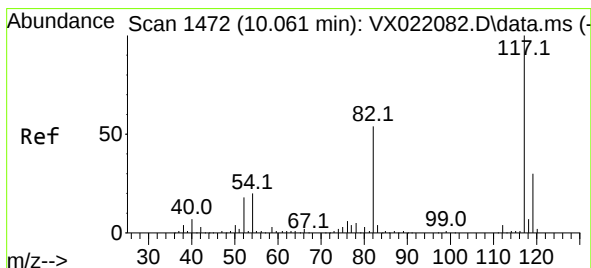
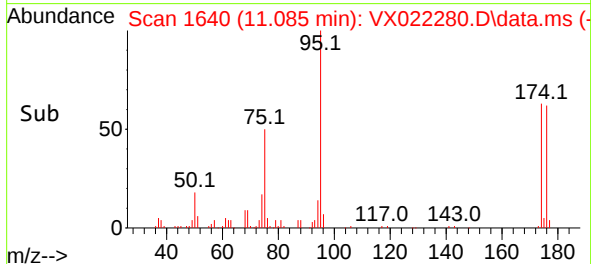
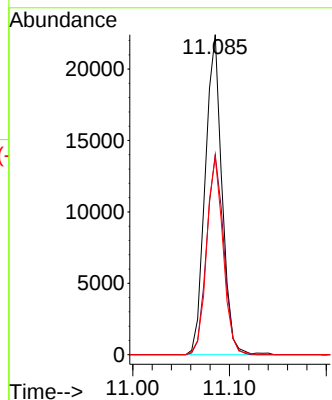
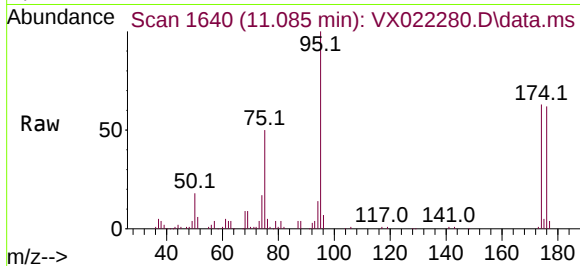




#62
4-Bromofluorobenzene
Concen: 24.15 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

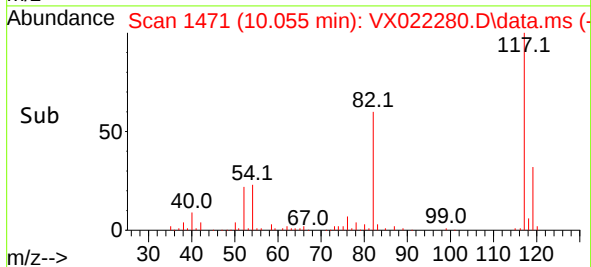
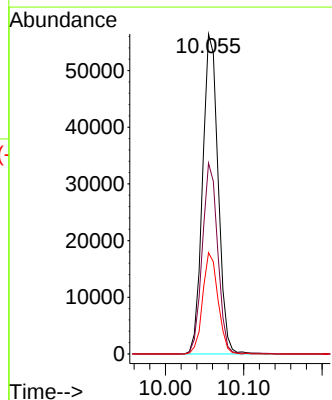
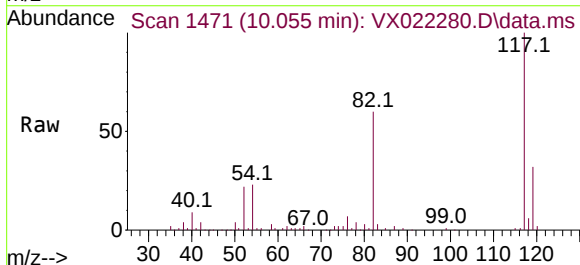
Instrument :
MSVOA_X
ClientSampleId :
41815

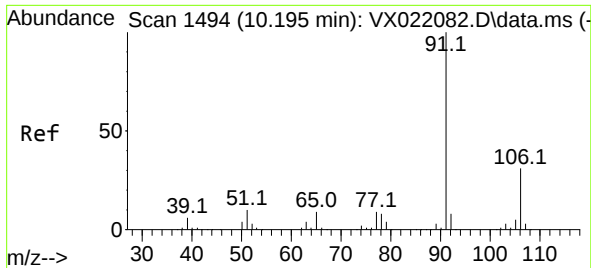
Tgt Ion: 95 Resp: 27047
Ion Ratio Lower Upper
95 100
174 63.3 0.0 154.6
176 60.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion: 117 Resp: 77563
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 31.7 26.6 39.8

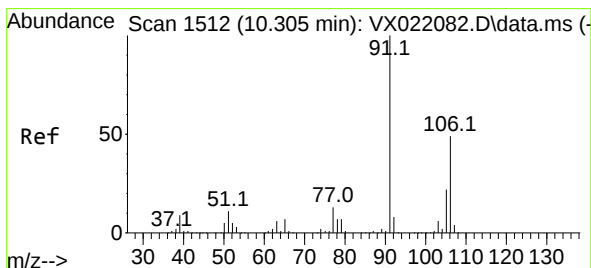
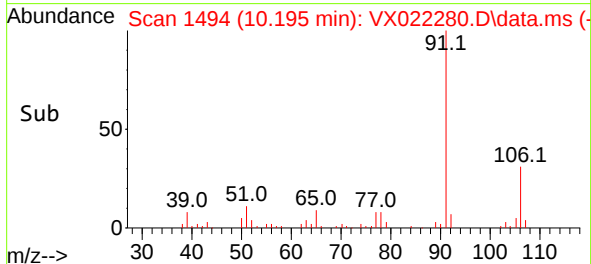
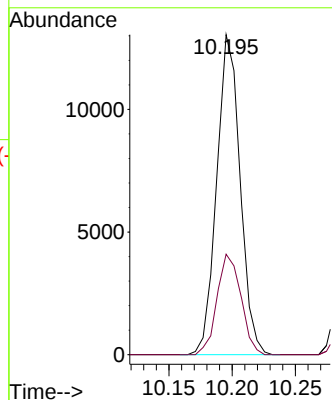
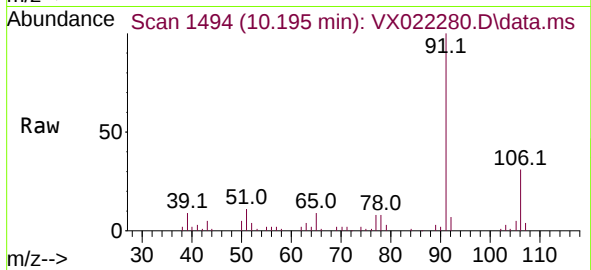




#67
Ethyl Benzene
Concen: 5.64 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

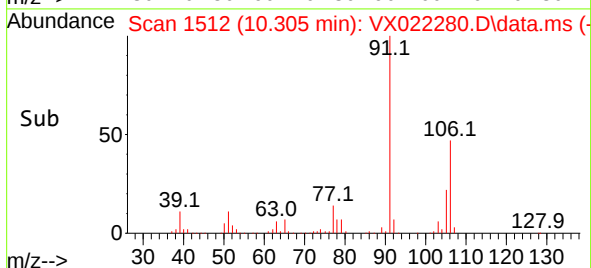
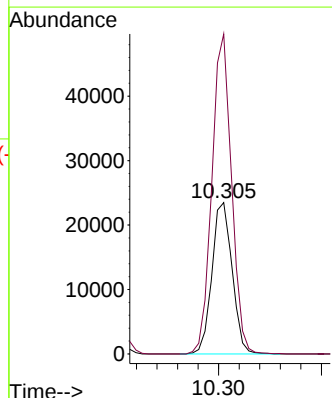
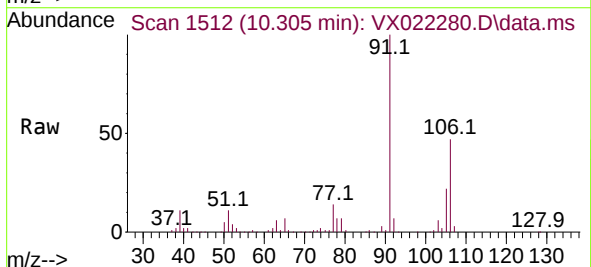
Instrument :
MSVOA_X
ClientSampleId :
41815

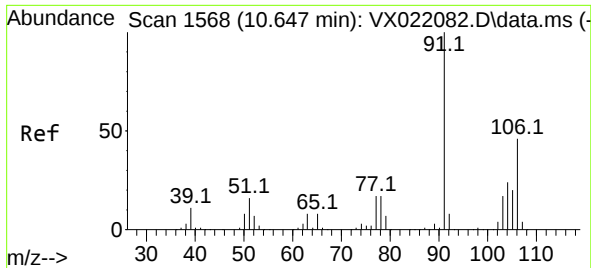
Tgt Ion: 91 Resp: 16749
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#68
m/p-Xylenes
Concen: 28.47 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion: 106 Resp: 31962
Ion Ratio Lower Upper
106 100
91 205.8 162.8 244.2

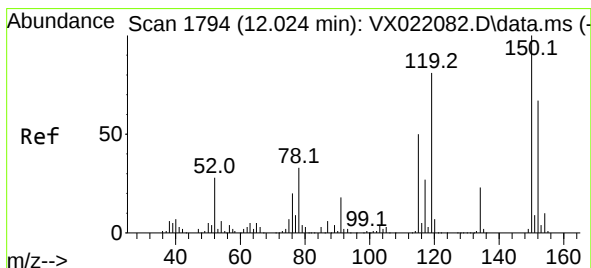
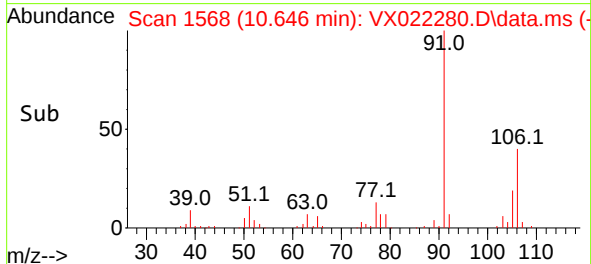
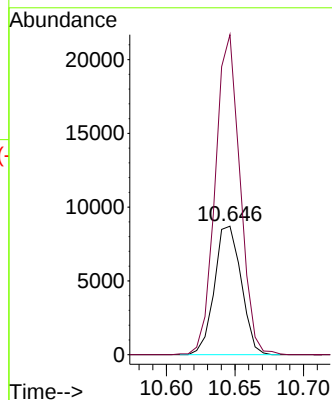
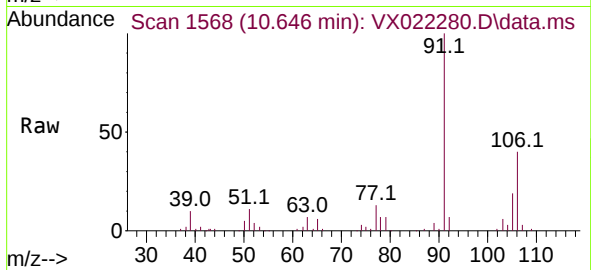




#69
o-Xylene
Concen: 10.84 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

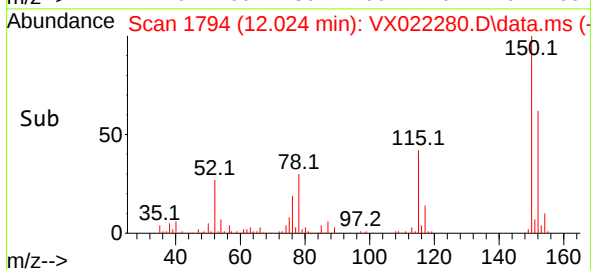
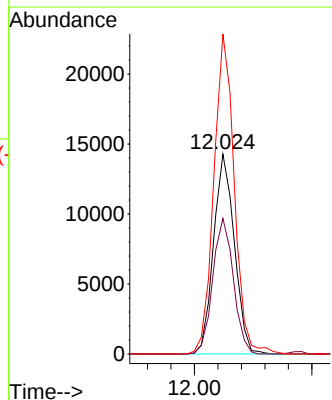
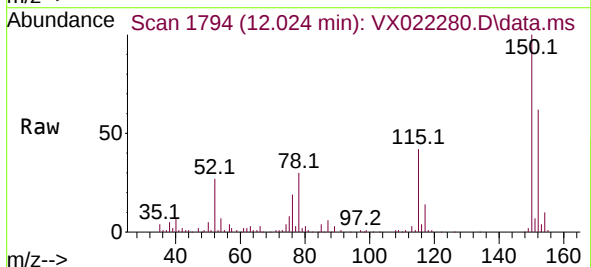
Instrument :
MSVOA_X
ClientSampled :
41815

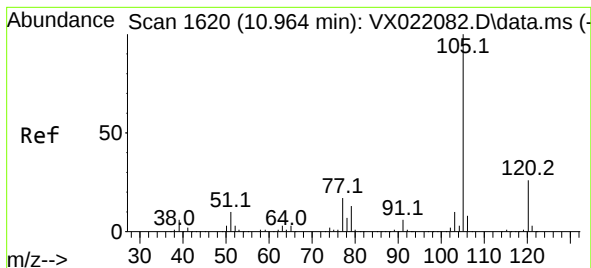
Tgt Ion:106 Resp: 11837
Ion Ratio Lower Upper
106 100
91 230.7 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion:152 Resp: 17566
Ion Ratio Lower Upper
152 100
115 67.2 41.1 123.3
150 157.3 0.0 349.0





#73

Isopropylbenzene

Concen: 0.92 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.001 min

Lab File: VX022280.D

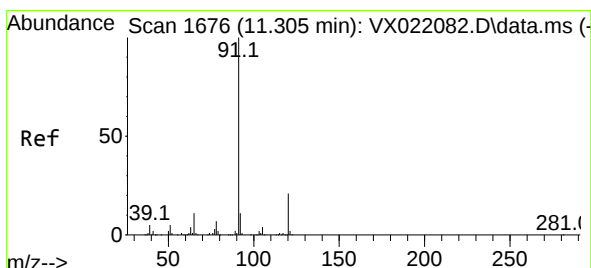
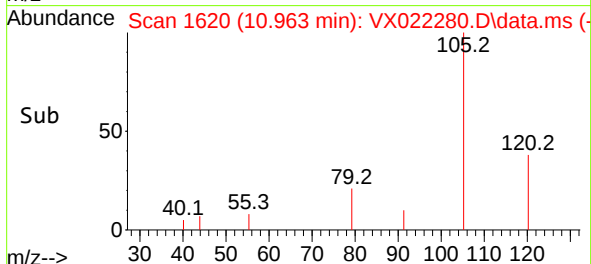
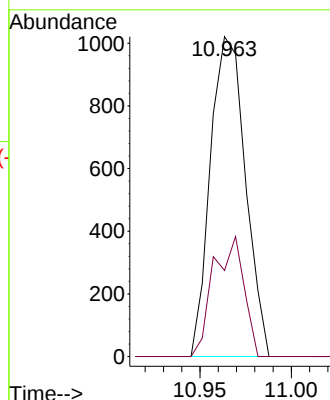
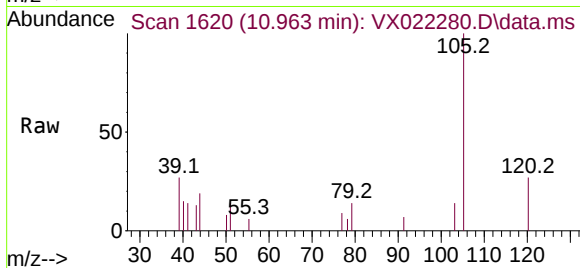
Acq: 29 May 2021 03:04

Tgt Ion: 105 Resp: 1362

Ion Ratio Lower Upper

105 100

120 32.6 13.2 39.6



#78

n-propylbenzene

Concen: 1.46 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX022280.D

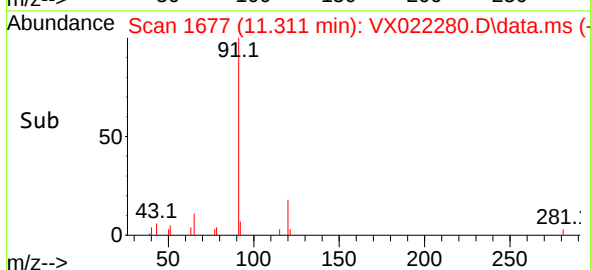
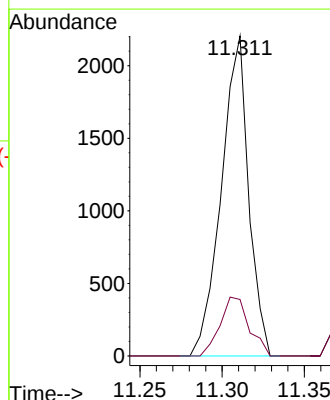
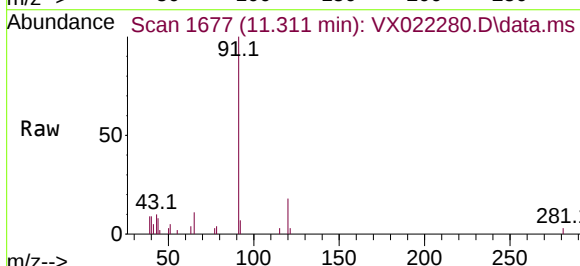
Acq: 29 May 2021 03:04

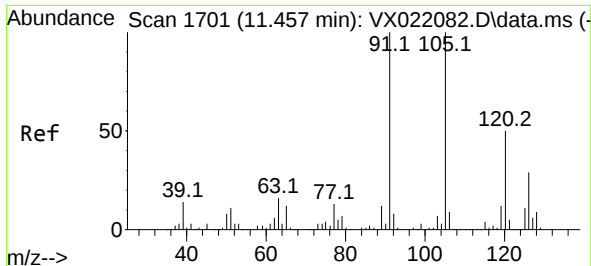
Tgt Ion: 91 Resp: 2542

Ion Ratio Lower Upper

91 100

120 19.6 11.5 34.5

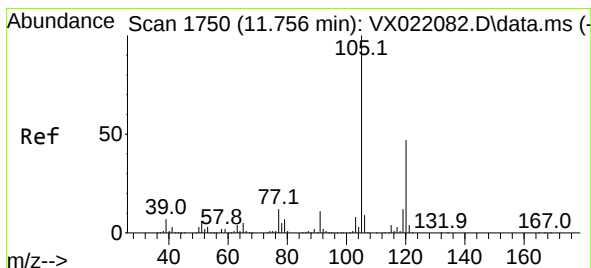
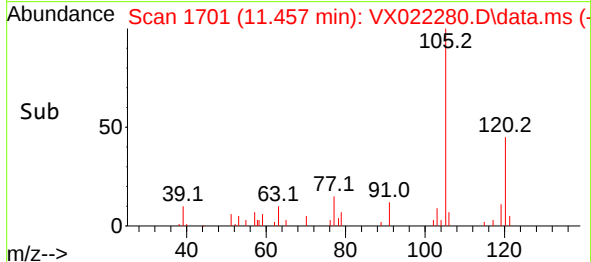
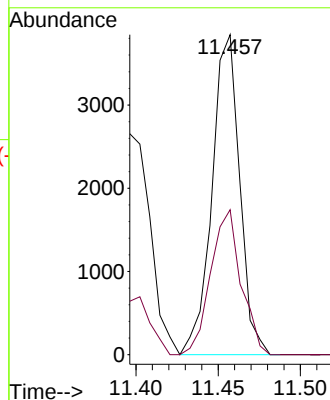
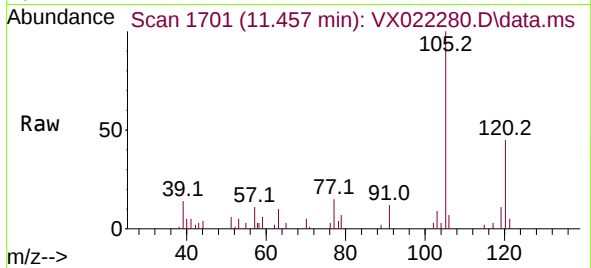




#80
1,3,5-Trimethylbenzene
Concen: 3.66 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

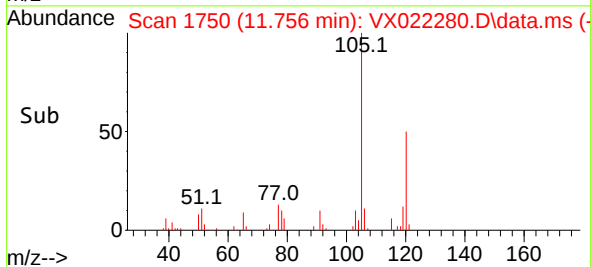
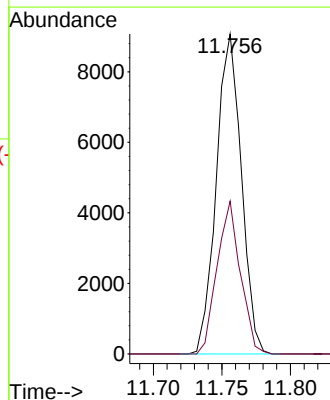
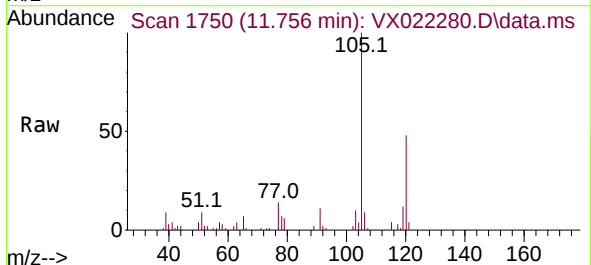
Instrument :
MSVOA_X
ClientSampled :
41815

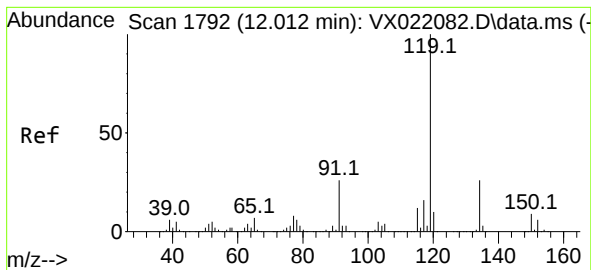
Tgt Ion:105 Resp: 4506
Ion Ratio Lower Upper
105 100
120 49.7 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 9.29 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion:105 Resp: 11518
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.3

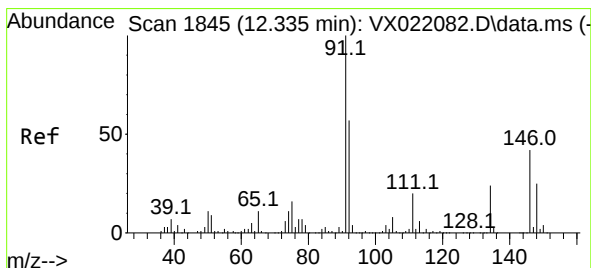
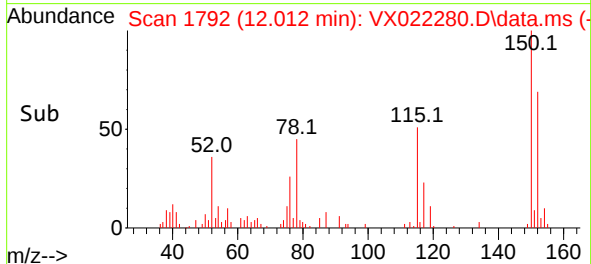
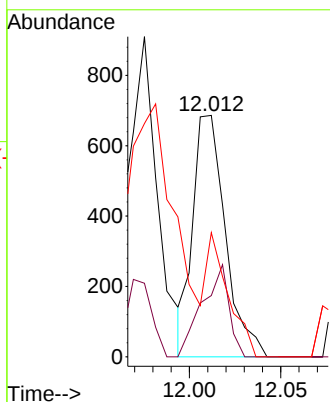
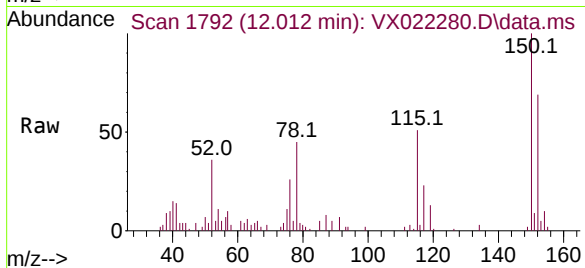




#86
p-Isopropyltoluene
Concen: 0.67 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

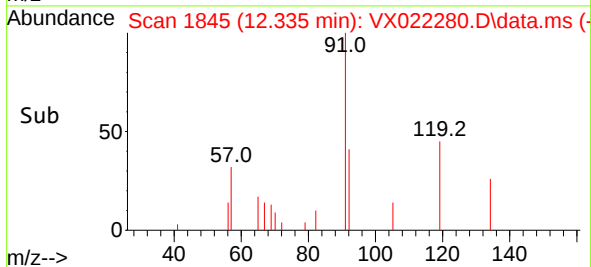
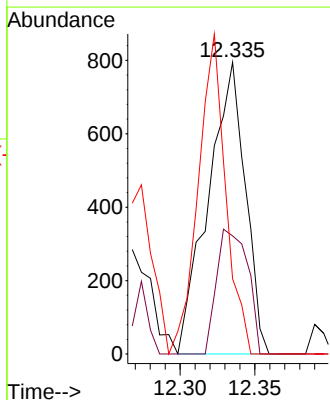
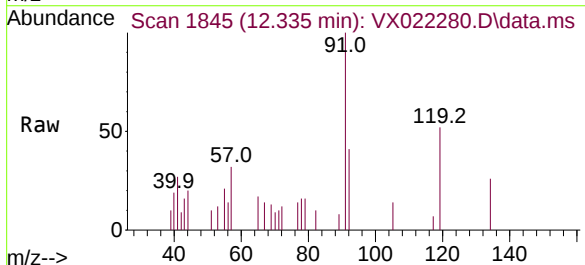
Instrument :
MSVOA_X
ClientSampled :
41815

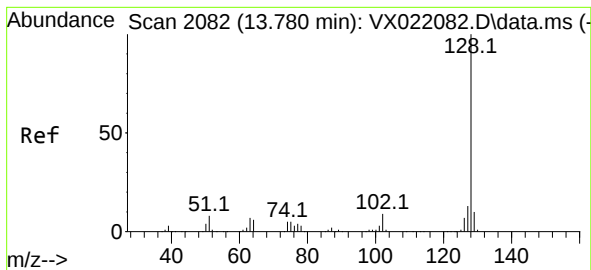
Tgt Ion:119 Resp: 852
Ion Ratio Lower Upper
119 100
134 31.2 12.9 38.7
91 34.3 11.7 35.0



#89
n-Butylbenzene
Concen: 1.17 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Tgt Ion: 91 Resp: 1369
Ion Ratio Lower Upper
91 100
92 35.8 27.4 82.0
134 81.0 13.2 39.5#





#95
Naphthalene
Concen: 5.64 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022280.D
Acq: 29 May 2021 03:04

Instrument :
MSVOA_X
ClientSampleId :
41815

Tgt Ion:128 Resp: 7754
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 16.3 8.8 13.2#

