

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026836.D
 Acq On : 08 Feb 2022 20:38
 Operator : JC/MD
 Sample : N1342-25DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31540DL

Quant Time: Feb 09 03:07:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

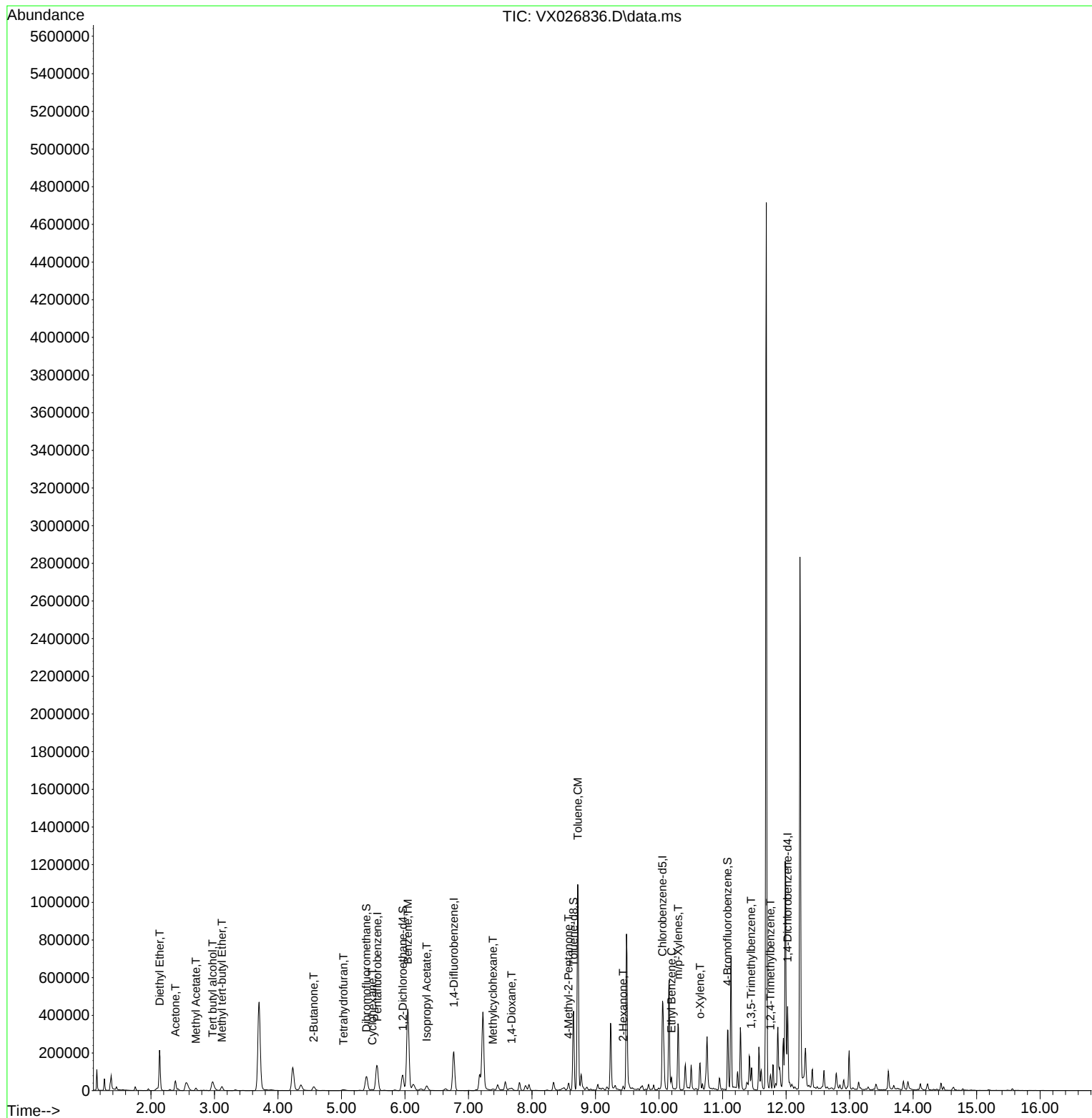
Internal Standards						
1) Pentafluorobenzene	5.562	168	128282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	213508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	81129	52.685	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.360%
35) Dibromofluoromethane	5.391	113	66189	52.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.060%
50) Toluene-d8	8.652	98	248248	53.166	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.340%
62) 4-Bromofluorobenzene	11.079	95	91155	55.450	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.900%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.135	74	71514	96.577	ug/l	74
11) Tert butyl alcohol	2.971	59	67279	241.848	ug/l	96
16) Acetone	2.385	43	56367	83.342	ug/l	96
18) Methyl Acetate	2.708	43	15448	7.939	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	20689	4.452	ug/l	92
25) 2-Butanone	4.562	43	34494	31.655	ug/l	98
29) Tetrahydrofuran	5.031	42	1700	2.295	ug/l #	93
31) Cyclohexane	5.482	56	3907	1.597	ug/l	95
39) Methylcyclohexane	7.384	83	2751	1.118	ug/l #	88
40) Benzene	6.043	78	521146	89.108	ug/l	100
43) Isopropyl Acetate	6.342	43	18001	5.130	ug/l #	92
49) 1,4-Dioxane	7.677	88	8281	276.401	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	24514	11.529	ug/l	99
52) Toluene	8.720	92	406163	109.689	ug/l	99
59) 2-Hexanone	9.433	43	11275	7.249	ug/l	97
67) Ethyl Benzene	10.195	91	31710	4.525	ug/l	100
68) m/p-Xylenes	10.299	106	82178	30.479	ug/l	99
69) o-Xylene	10.646	106	29513	11.171	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	16994	3.267	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	29926	5.704	ug/l	97

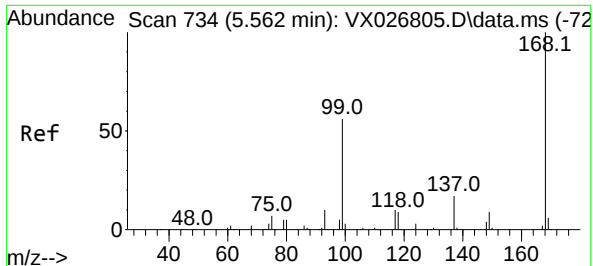
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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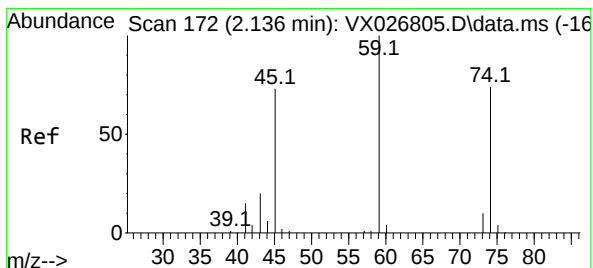
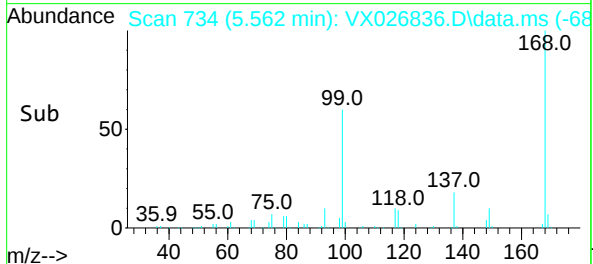
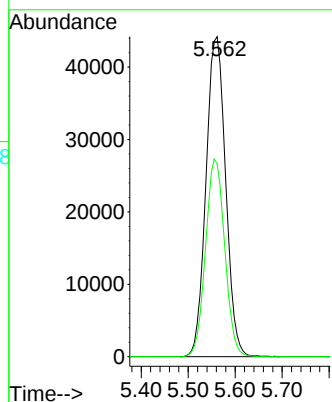
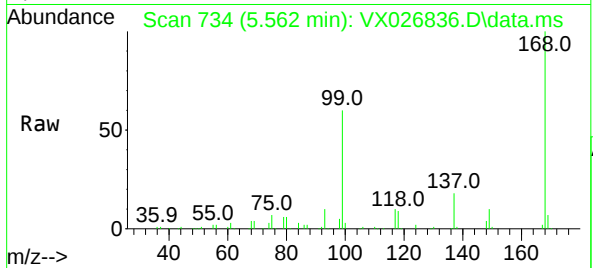




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

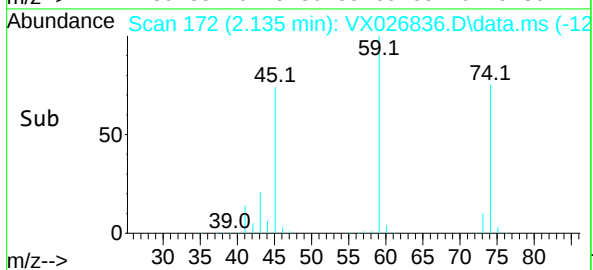
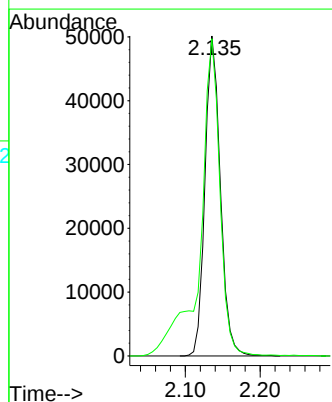
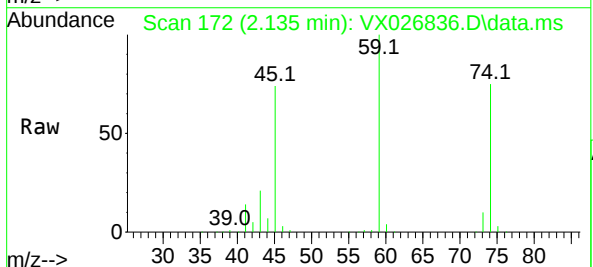
Instrument :
MSVOA_X
ClientSampleId :
31540DL

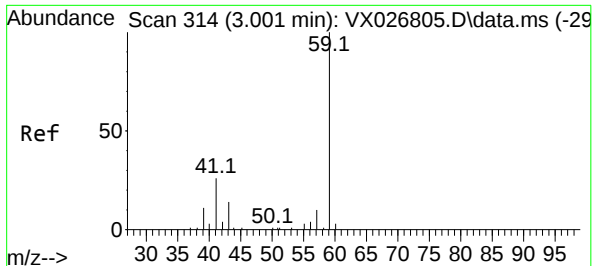
Tgt Ion:168 Resp: 128282
Ion Ratio Lower Upper
168 100
99 60.2 50.3 75.5



#8
Diethyl Ether
Concen: 96.577 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 74 Resp: 71514
Ion Ratio Lower Upper
74 100
45 127.7 50.7 152.1

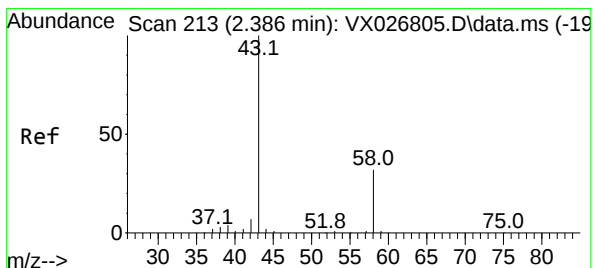
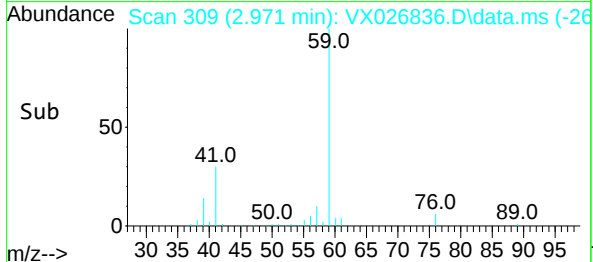
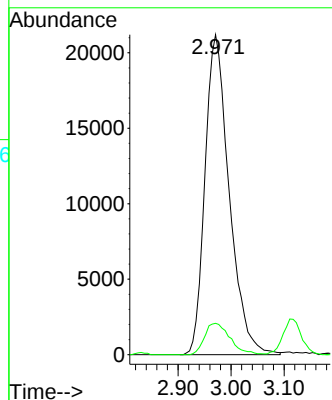
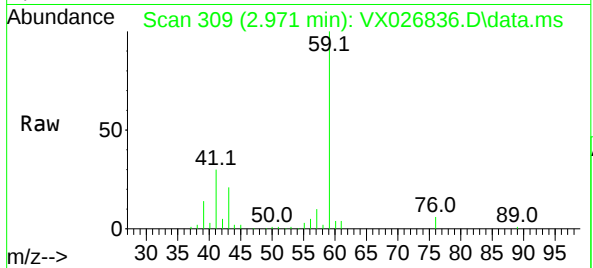




#11
Tert butyl alcohol
Concen: 241.848 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.030 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

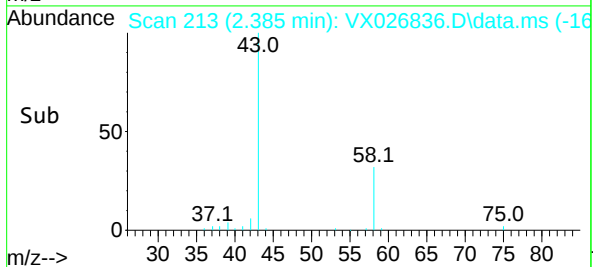
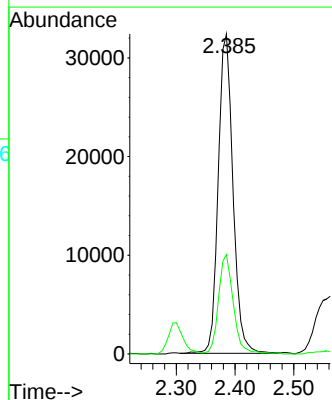
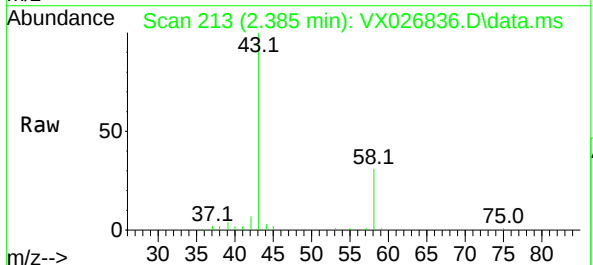
Instrument :
MSVOA_X
ClientSampleId :
31540DL

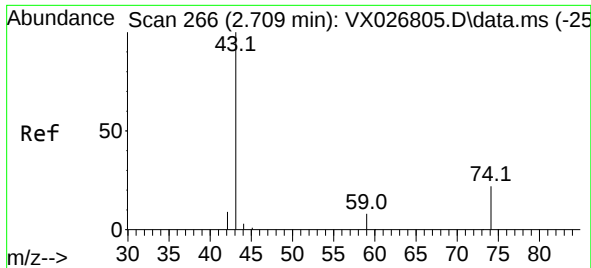
Tgt Ion: 59 Resp: 67279
Ion Ratio Lower Upper
59 100
57 10.3 7.2 10.8



#16
Acetone
Concen: 83.342 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 43 Resp: 56367
Ion Ratio Lower Upper
43 100
58 31.0 23.0 34.6

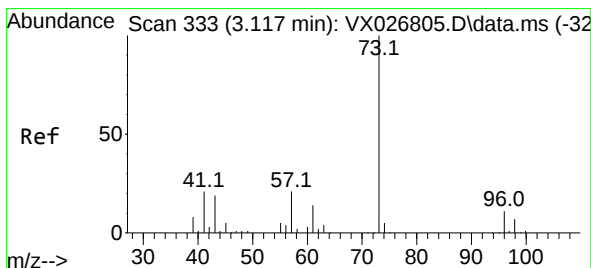
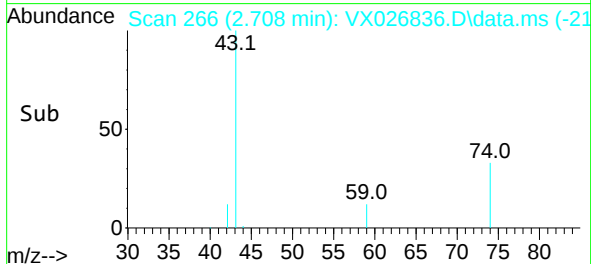
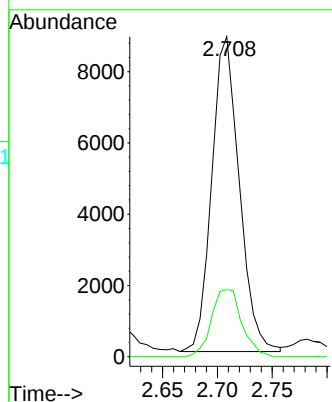
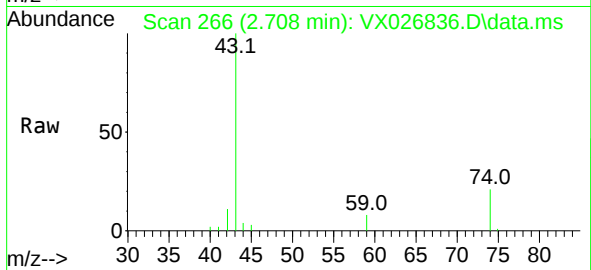




#18
Methyl Acetate
Concen: 7.939 ug/l
RT: 2.708 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

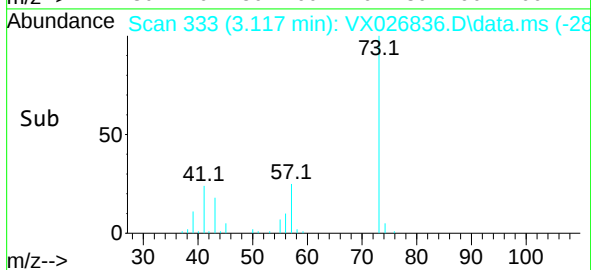
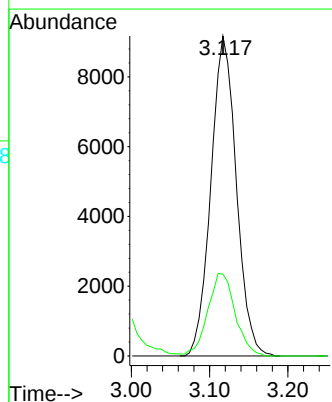
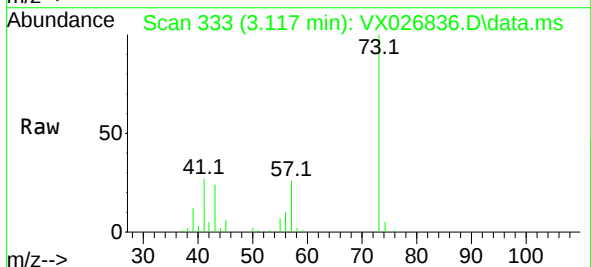
Instrument :
MSVOA_X
ClientSampleId :
31540DL

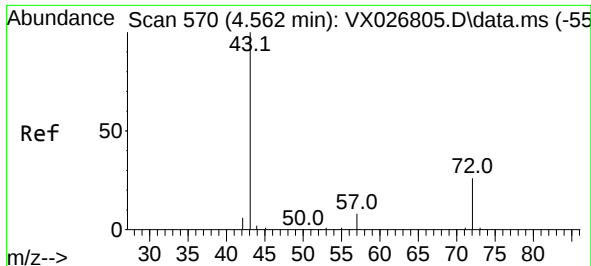
Tgt Ion: 43 Resp: 15448
Ion Ratio Lower Upper
43 100
74 23.5 18.3 27.5



#19
Methyl tert-butyl Ether
Concen: 4.452 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 73 Resp: 20689
Ion Ratio Lower Upper
73 100
57 25.6 17.4 26.2

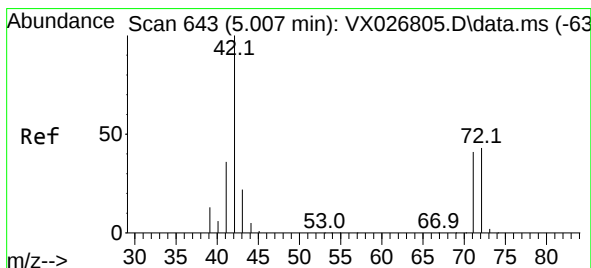
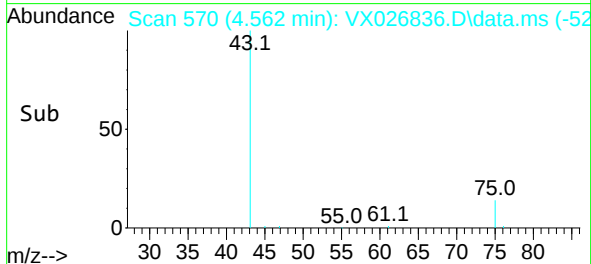
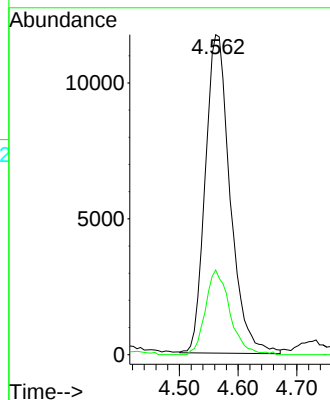
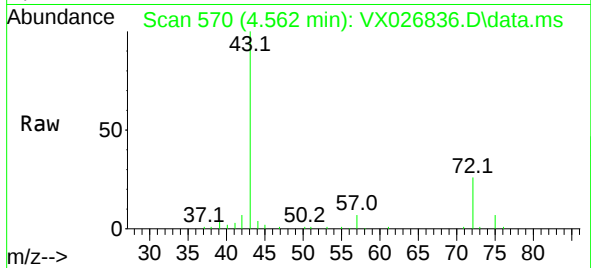




#25
2-Butanone
Concen: 31.655 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

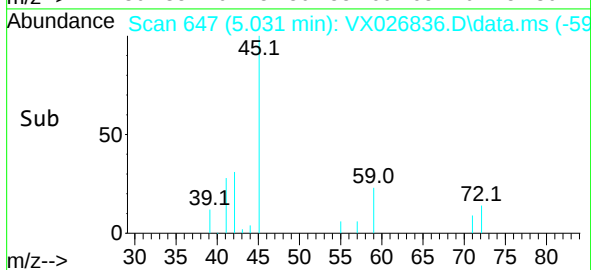
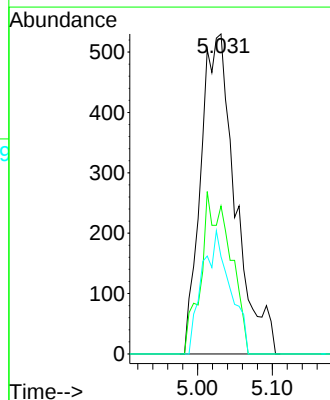
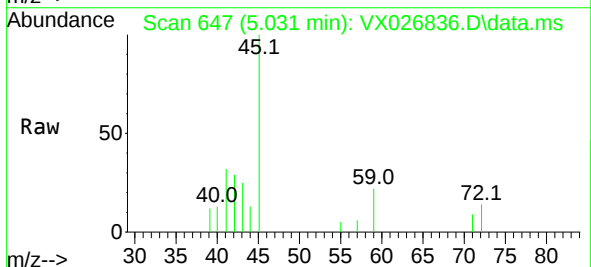
Instrument :
MSVOA_X
ClientSampleId :
31540DL

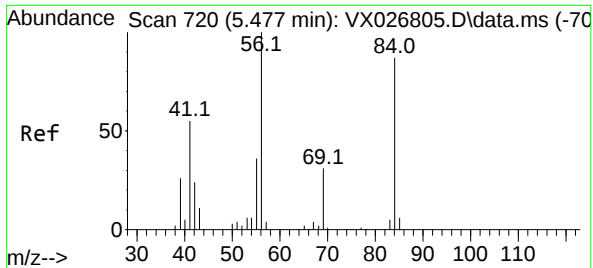
Tgt Ion: 43 Resp: 34494
Ion Ratio Lower Upper
43 100
72 26.7 20.4 30.6



#29
Tetrahydrofuran
Concen: 2.295 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 42 Resp: 1700
Ion Ratio Lower Upper
42 100
72 42.7 34.6 52.0
71 31.1 31.8 47.8#

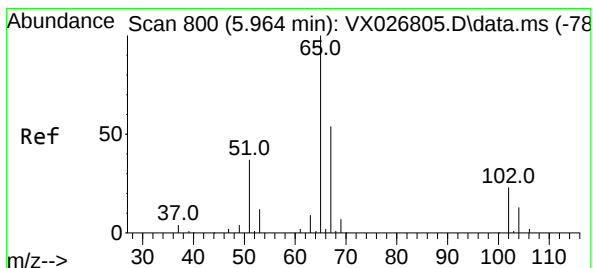
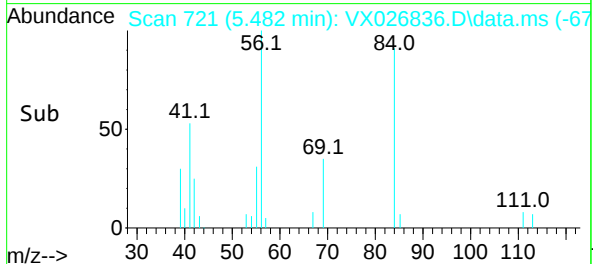
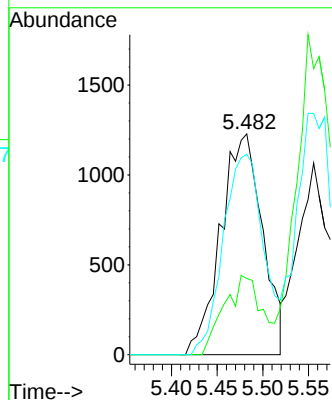
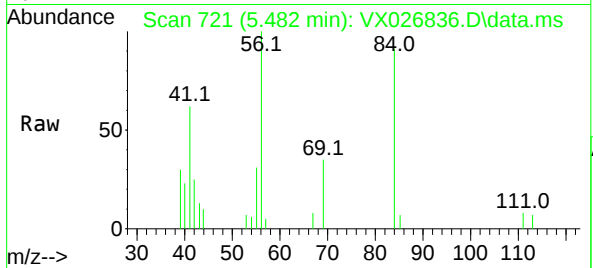




#31
Cyclohexane
Concen: 1.597 ug/l
RT: 5.482 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

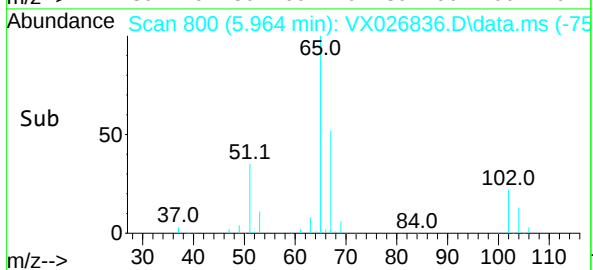
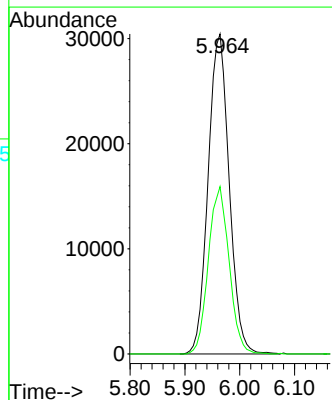
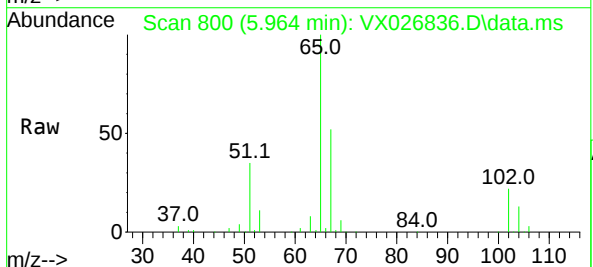
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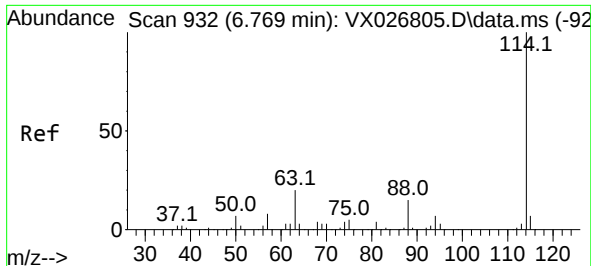
Tgt Ion: 56	Resp: 3907
Ion Ratio	Lower Upper
56 100	
69 34.5	25.8 38.6
84 90.8	68.9 103.3



#33
1,2-Dichloroethane-d4
Concen: 52.685 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 65	Resp: 81129
Ion Ratio	Lower Upper
65 100	
67 51.5	0.0 100.8

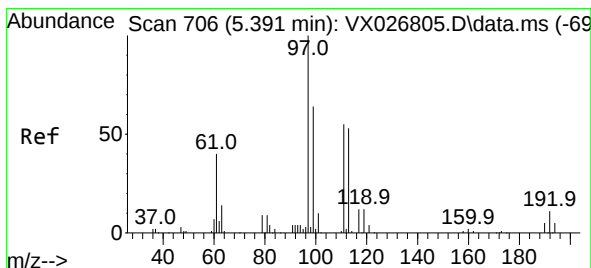
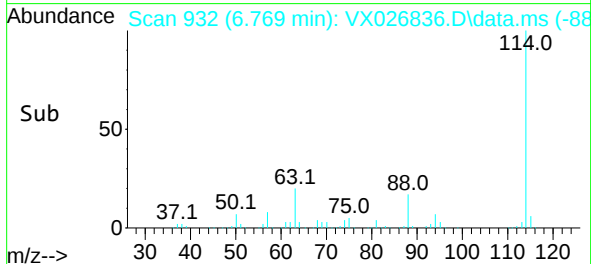
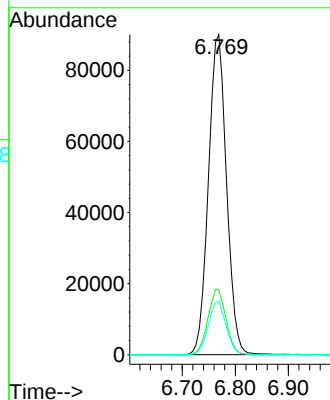
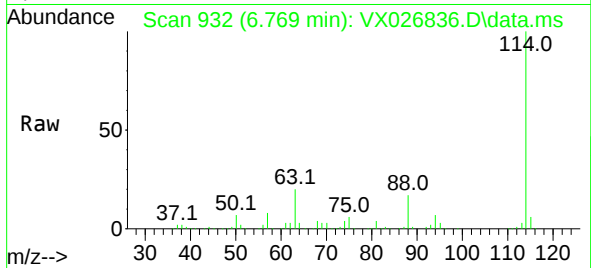




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

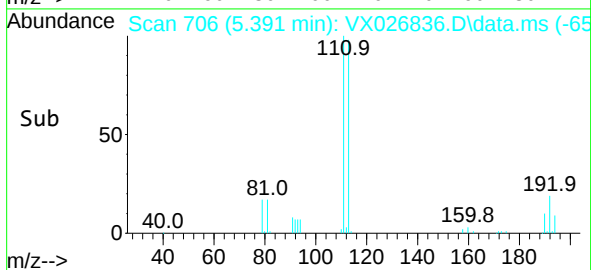
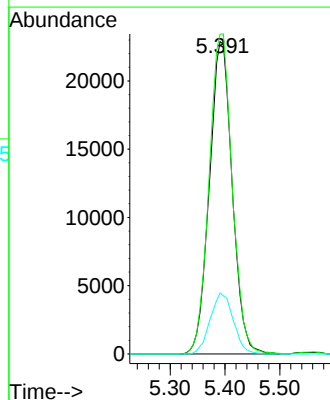
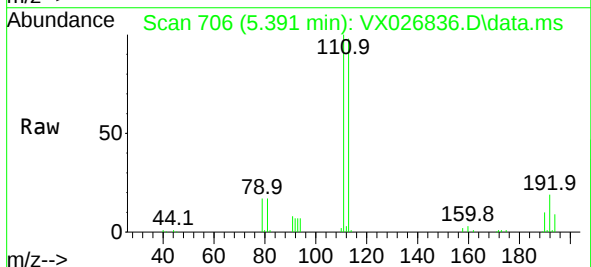
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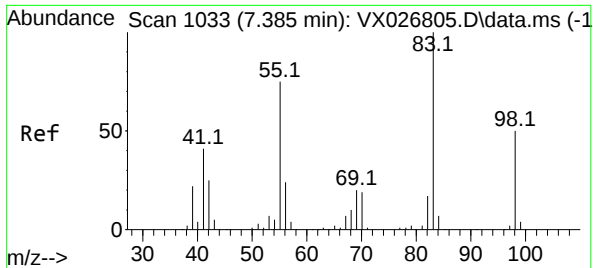
Tgt Ion:114 Resp: 213508
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.8
88 16.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 52.034 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion:113 Resp: 66189
Ion Ratio Lower Upper
113 100
111 103.6 81.2 121.8
192 19.7 15.0 22.4

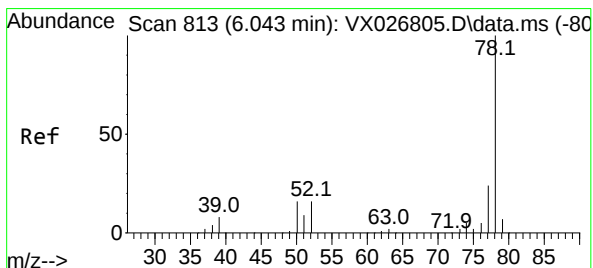
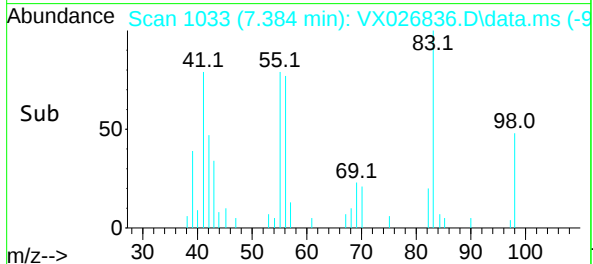
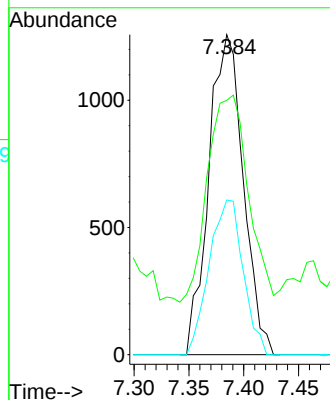
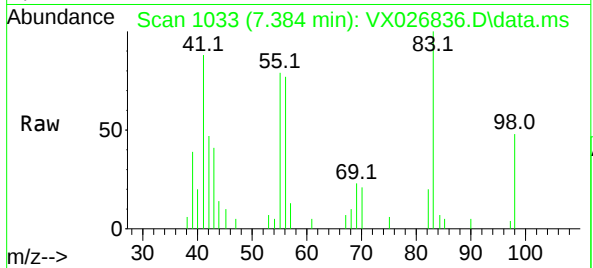




#39
Methylcyclohexane
Concen: 1.118 ug/l
RT: 7.384 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

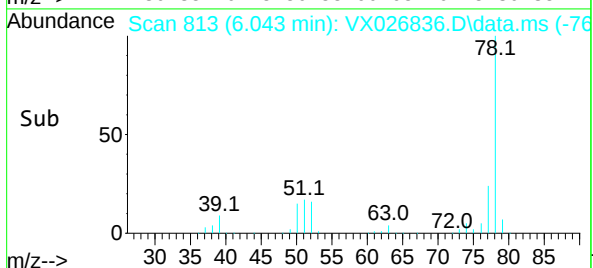
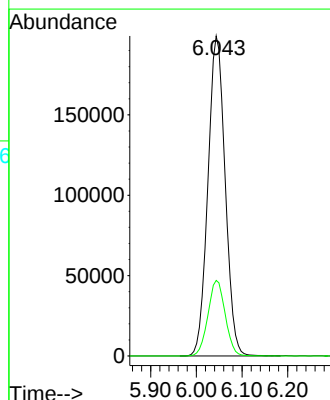
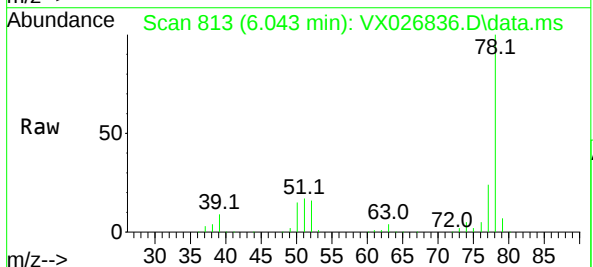
Instrument :
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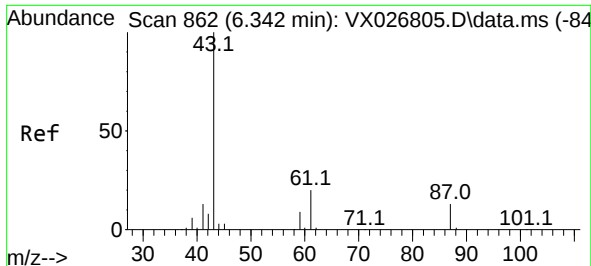
Tgt Ion: 83 Resp: 2751
Ion Ratio Lower Upper
83 100
55 63.1 63.6 95.4#
98 48.3 38.4 57.6



#40
Benzene
Concen: 89.108 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 78 Resp: 521146
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

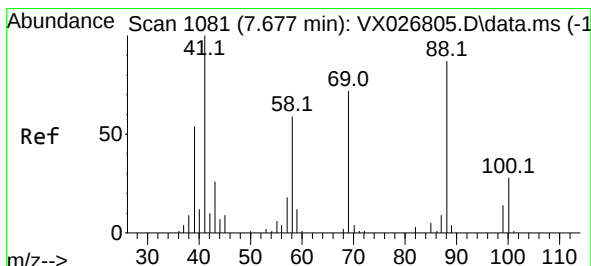
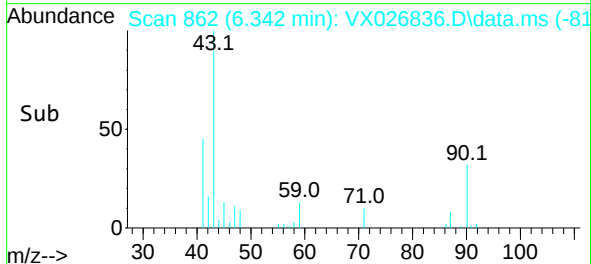
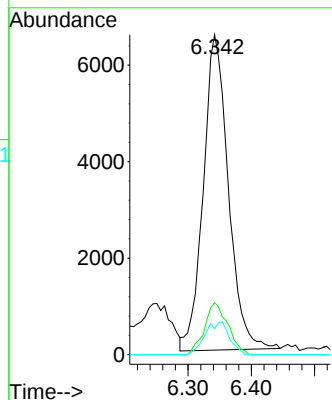
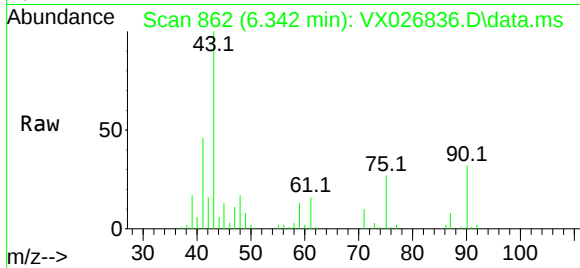




#43
Isopropyl Acetate
Concen: 5.130 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

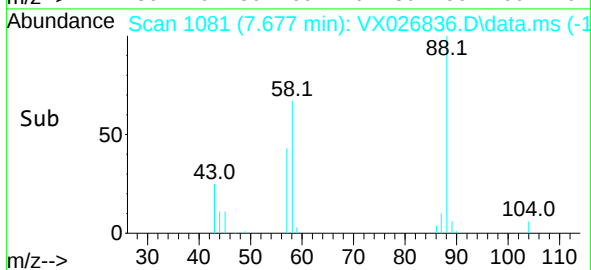
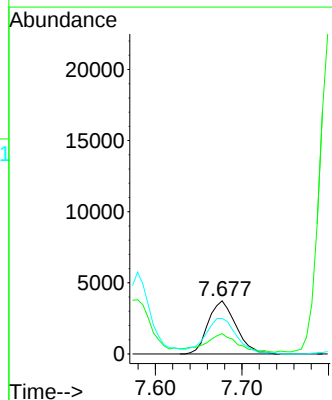
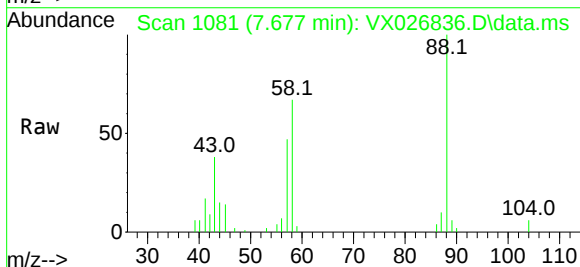
Instrument :
MSVOA_X
ClientSampleId :
31540DL

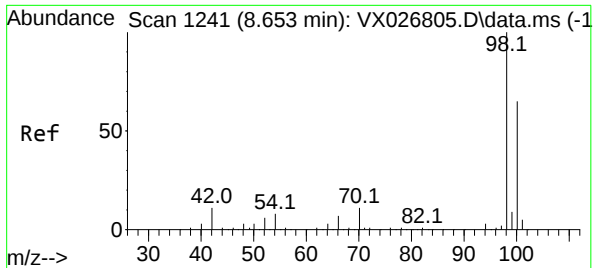
Tgt Ion: 43 Resp: 18001
Ion Ratio Lower Upper
43 100
61 15.4 15.4 23.0
87 10.1 10.2 15.2#



#49
1,4-Dioxane
Concen: 276.401 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 88 Resp: 8281
Ion Ratio Lower Upper
88 100
43 39.3 29.9 44.9
58 76.0 57.8 86.6

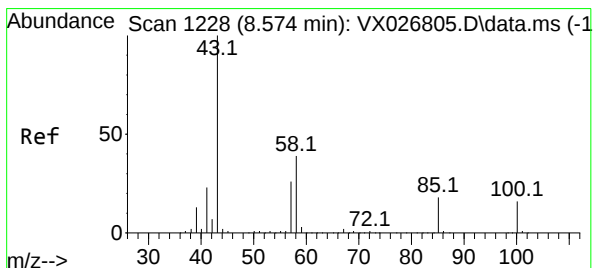
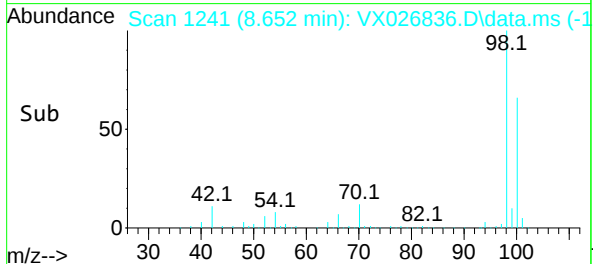
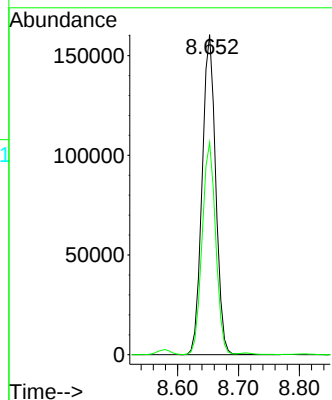
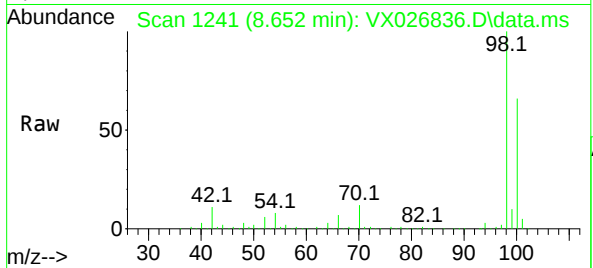




#50
Toluene-d8
Concen: 53.166 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

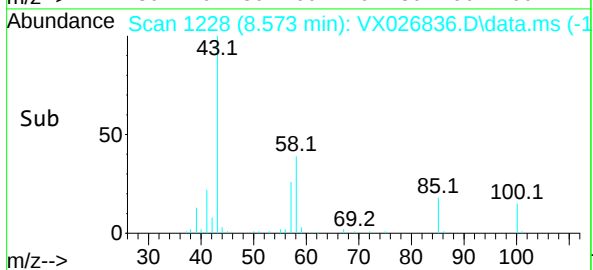
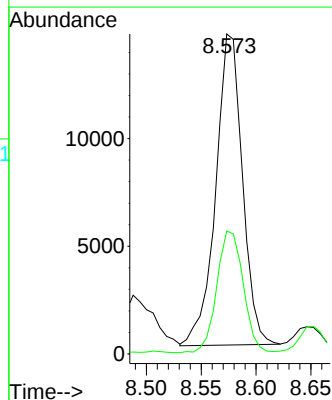
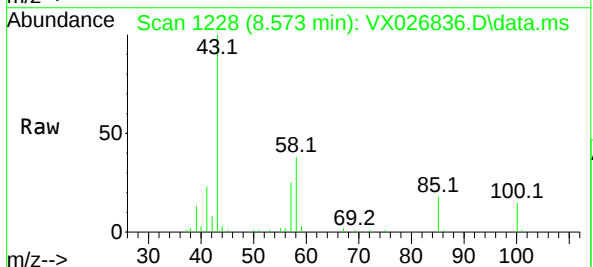
Instrument :
MSVOA_X
ClientSampleId :
31540DL

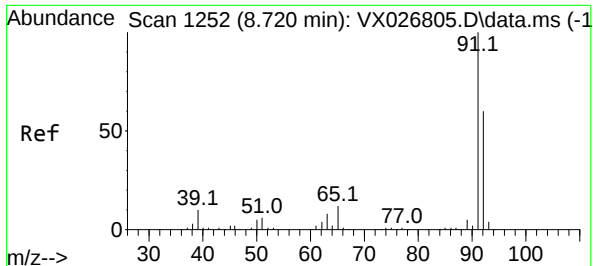
Tgt Ion: 98 Resp: 248248
Ion Ratio Lower Upper
98 100
100 66.1 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 11.529 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 43 Resp: 24514
Ion Ratio Lower Upper
43 100
58 38.6 30.5 45.7

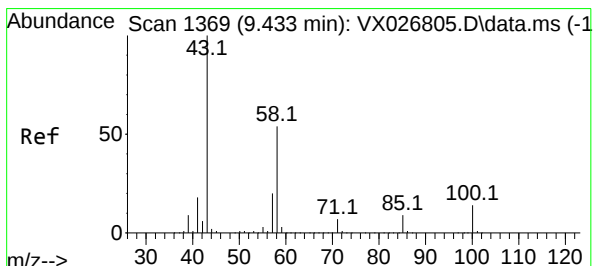
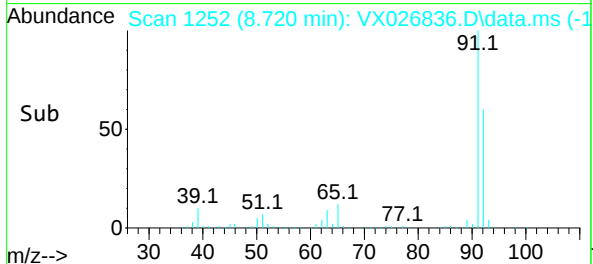
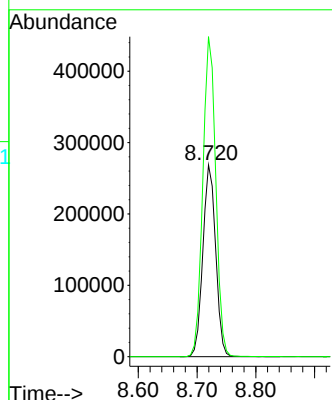
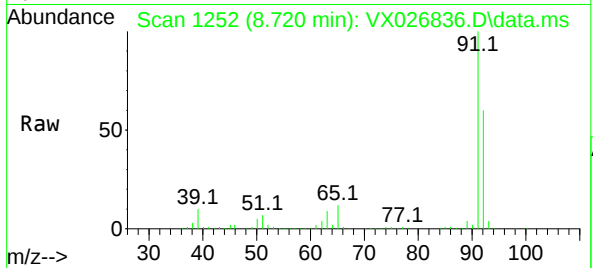




#52
Toluene
Concen: 109.689 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

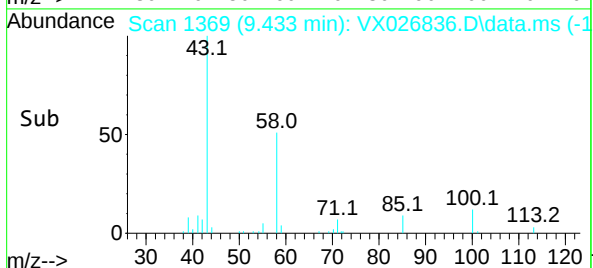
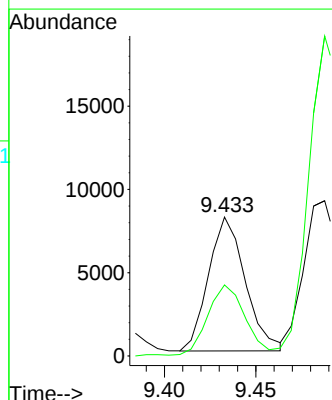
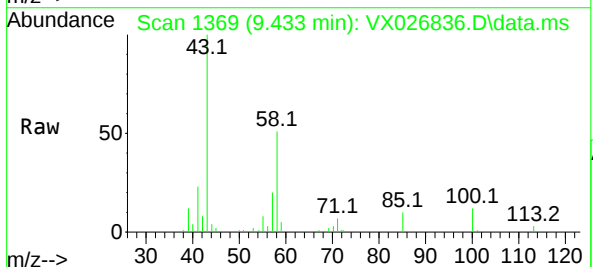
Instrument :
MSVOA_X
ClientSampleId :
31540DL

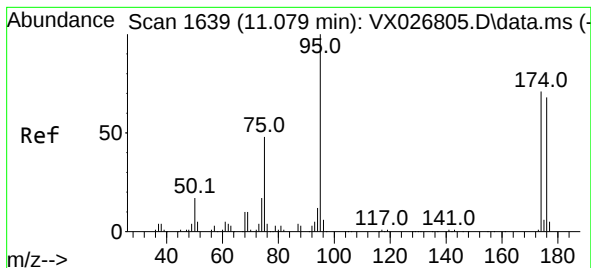
Tgt Ion: 92 Resp: 406163
Ion Ratio Lower Upper
92 100
91 168.3 135.7 203.5



#59
2-Hexanone
Concen: 7.249 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 43 Resp: 11275
Ion Ratio Lower Upper
43 100
58 54.7 26.4 79.2

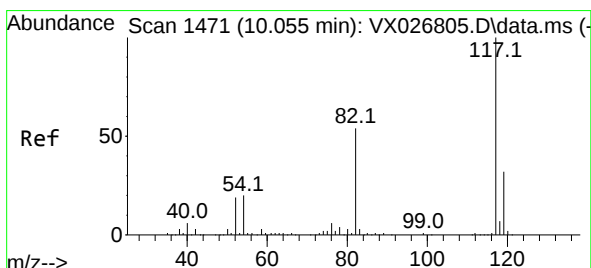
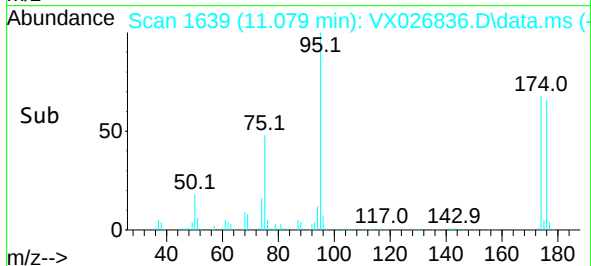
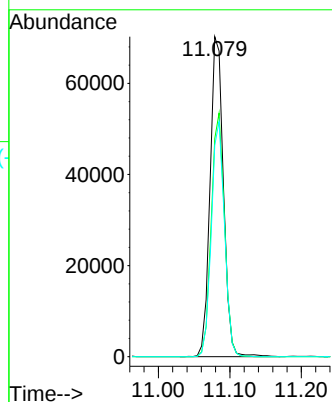
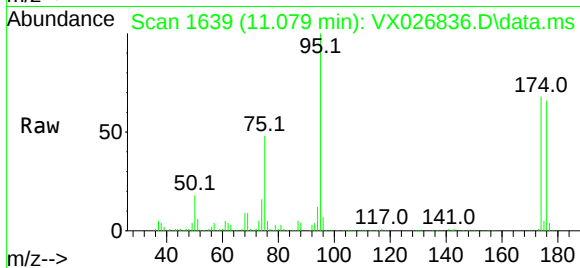




#62
4-Bromofluorobenzene
Concen: 55.450 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

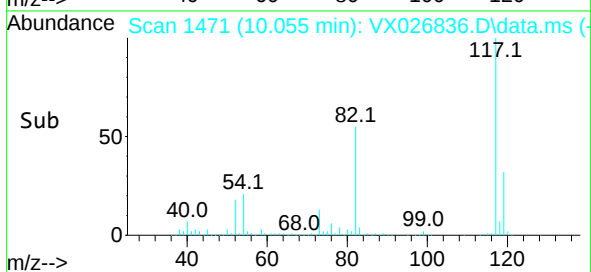
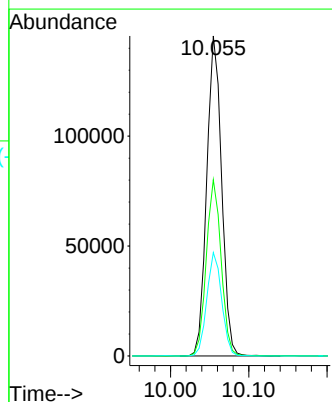
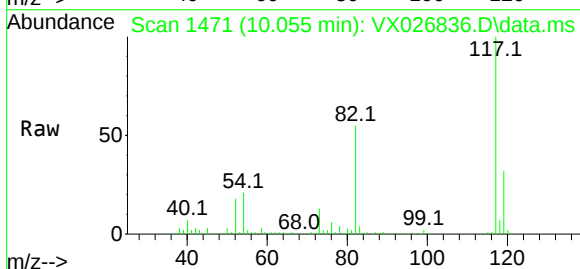
Instrument :
MSVOA_X
ClientSampleId :
31540DL

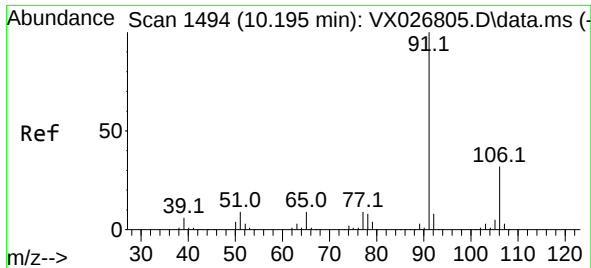
Tgt Ion: 95 Resp: 91155
Ion Ratio Lower Upper
95 100
174 75.1 0.0 148.6
176 72.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion: 117 Resp: 191454
Ion Ratio Lower Upper
117 100
82 55.0 45.2 67.8
119 32.3 26.2 39.2





#67

Ethyl Benzene

Concen: 4.525 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX026836.D

Acq: 08 Feb 2022 20:38

Instrument :

MSVOA_X

ClientSampleId :

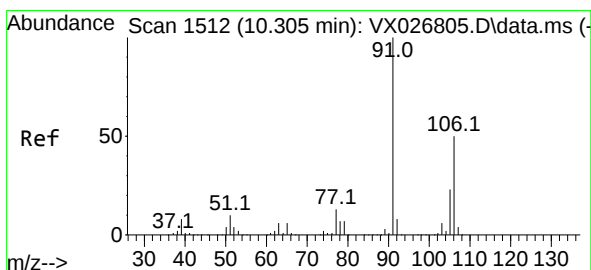
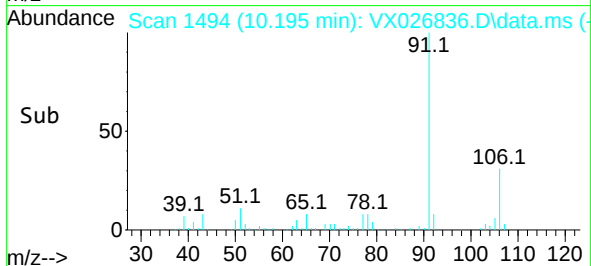
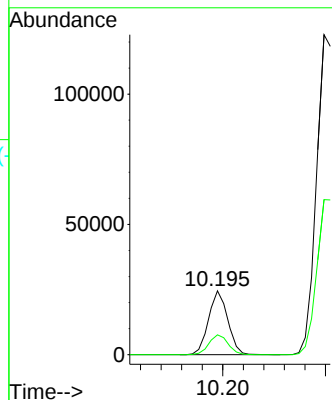
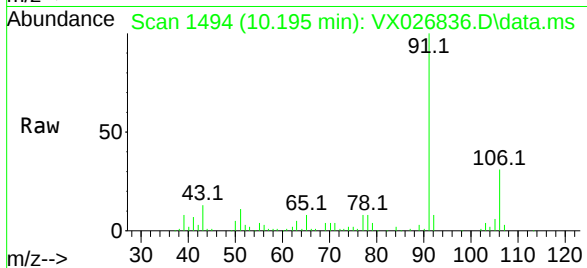
31540DL

Tgt Ion: 91 Resp: 31710

Ion Ratio Lower Upper

91 100

106 31.0 24.7 37.1



#68

m/p-Xylenes

Concen: 30.479 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX026836.D

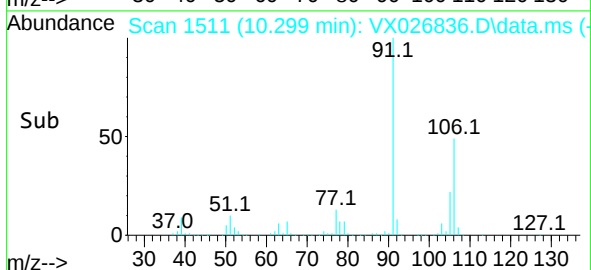
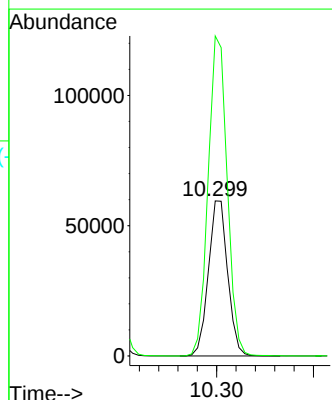
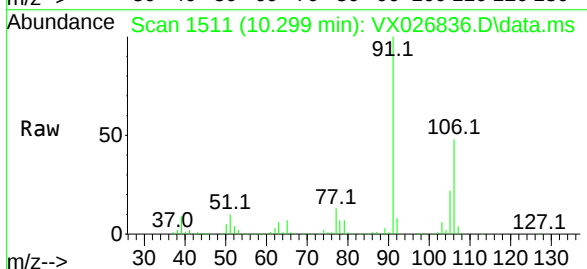
Acq: 08 Feb 2022 20:38

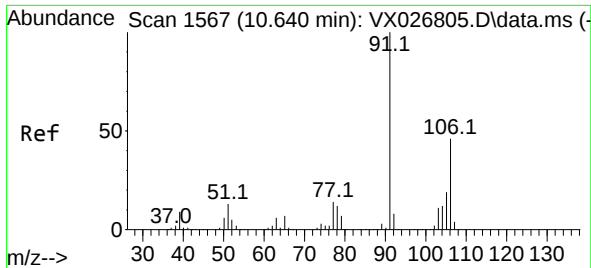
Tgt Ion: 106 Resp: 82178

Ion Ratio Lower Upper

106 100

91 204.4 165.3 247.9

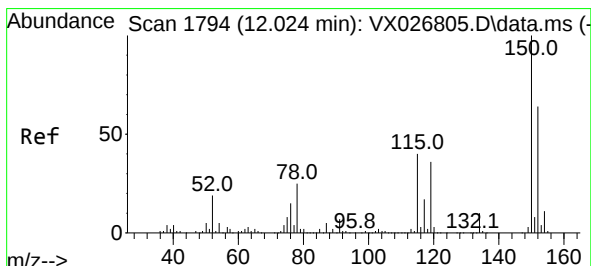
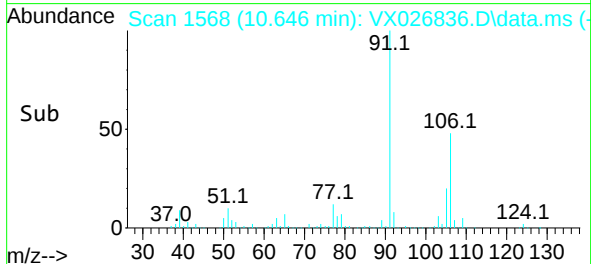
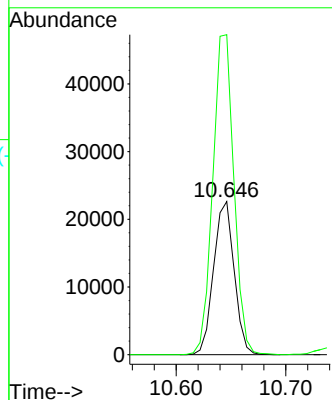
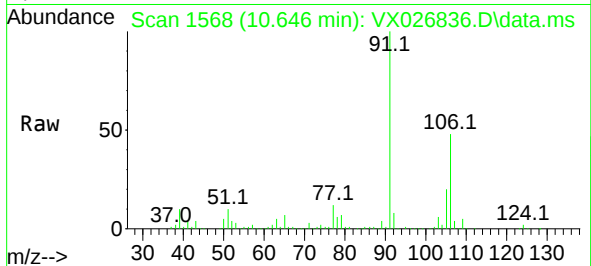




#69
o-Xylene
Concen: 11.171 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

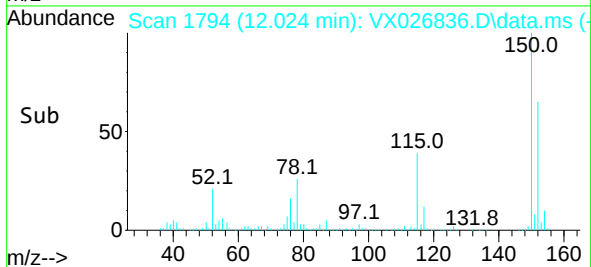
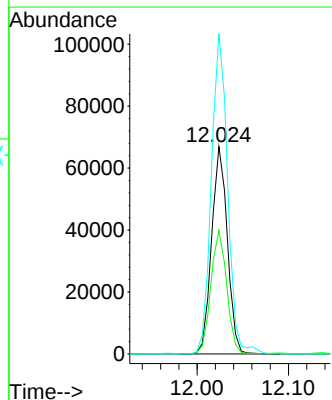
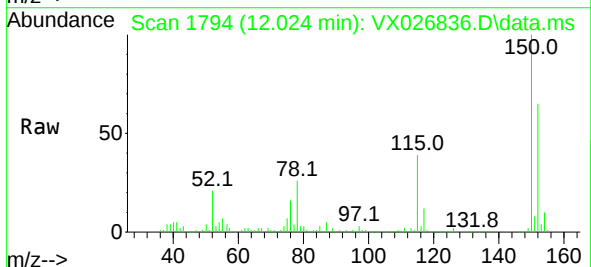
Instrument :
MSVOA_X
ClientSampleId :
31540DL

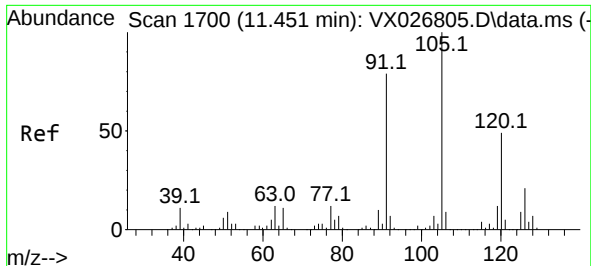
Tgt Ion:106 Resp: 29513
Ion Ratio Lower Upper
106 100
91 214.5 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion:152 Resp: 80230
Ion Ratio Lower Upper
152 100
115 59.5 44.2 132.6
150 159.4 0.0 348.2

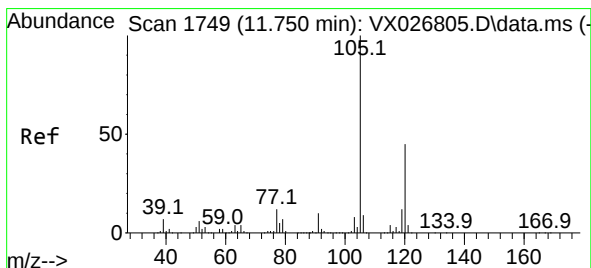
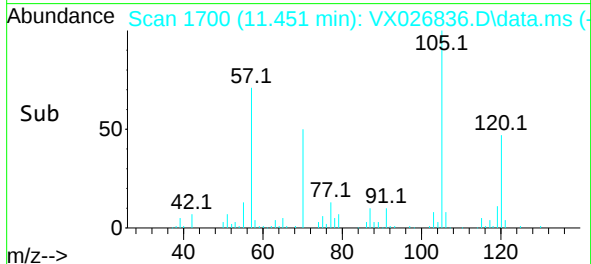
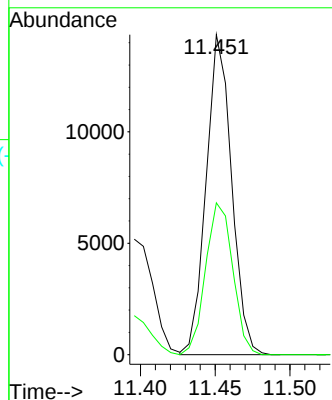
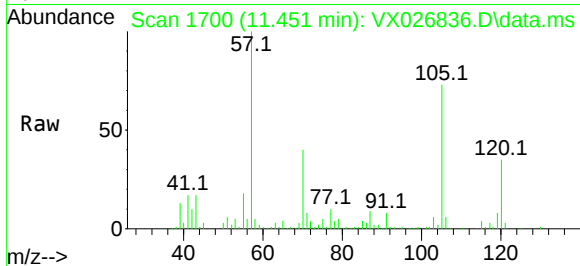




#80
1,3,5-Trimethylbenzene
Concen: 3.267 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Instrument :
MSVOA_X
ClientSampleId :
31540DL

Tgt Ion:105 Resp: 16994
Ion Ratio Lower Upper
105 100
120 50.6 24.0 72.0



#84
1,2,4-Trimethylbenzene
Concen: 5.704 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX026836.D
Acq: 08 Feb 2022 20:38

Tgt Ion:105 Resp: 29926
Ion Ratio Lower Upper
105 100
120 41.6 21.9 65.5

