

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060623\Not Reviewed Data\
 Data File : VX036045.D
 Acq On : 06 Jun 2023 20:05
 Operator : JC/MD
 Sample : 02992-01 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 F6C08

Quant Time: Jun 08 15:29:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML060623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 07 05:37:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	313620	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	284830	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	129791	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	93716	43.982	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.960%
7) Chloroethane-d5	1.673	69	75752	46.355	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.720%
11) 1,1-Dichloroethene-d2	2.307	65	46784	43.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.600%
21) 2-Butanone-d5	4.471	46	166426	95.290	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.290%
24) Chloroform-d	5.056	84	195291	43.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.900%
26) 1,2-Dichloroethane-d4	5.958	65	146266	45.113	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.220%
32) Benzene-d6	5.971	84	413981	48.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.640%
36) 1,2-Dichloropropane-d6	7.306	67	130180	48.880	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.760%
41) Toluene-d8	8.647	98	367845	46.644	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.280%
43) trans-1,3-Dichloroprop...	8.952	79	52044	40.710	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.420%
47) 2-Hexanone-d5	9.385	63	114431	96.492	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.490%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	167539	46.056	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.120%
66) 1,2-Dichlorobenzene-d4	12.317	152	122541	48.629	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.260%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.374	62	2422	0.929	ug/L #	31
12) 1,1-Dichloroethene	2.307	96	1194	0.573	ug/L #	1
20) cis-1,2-Dichloroethene	4.489	96	98419	38.417	ug/L	98
25) Chloroform	5.093	83	9642	1.991	ug/L	97
29) Cyclohexane	5.471	56	158978	40.185	ug/L	99
33) Benzene	6.038	78	343002	36.146	ug/L	100
34) Trichloroethene	7.123	95	150333	58.821	ug/L	91
35) Methylcyclohexane	7.379	83	69331	18.479	ug/L	100
39) cis-1,3-Dichloropropene	8.324	75	3994	1.026	ug/L #	66
44) trans-1,3-Dichloropropene	8.946	75	2621	0.719	ug/L	84
46) Tetrachloroethene	9.275	164	23627	13.220	ug/L	97
49) Dibromochloromethane	9.275	129	24413	10.556	ug/L #	11
52) Ethylbenzene	10.195	91	84103	7.399	ug/L	99
53) m,p-Xylene	10.299	106	96393	22.361	ug/L	99
54) o-Xylene	10.640	106	16032	3.805	ug/L	100
60) Isopropylbenzene	10.964	105	12357	1.244	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	18975	2.296	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	44444	5.812	ug/L	100
71) Naphthalene	13.774	128	8429	1.065	ug/L	99

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Quant Time: Jun 08 15:29:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML060623WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 07 05:37:48 2023
Response via : Initial Calibration

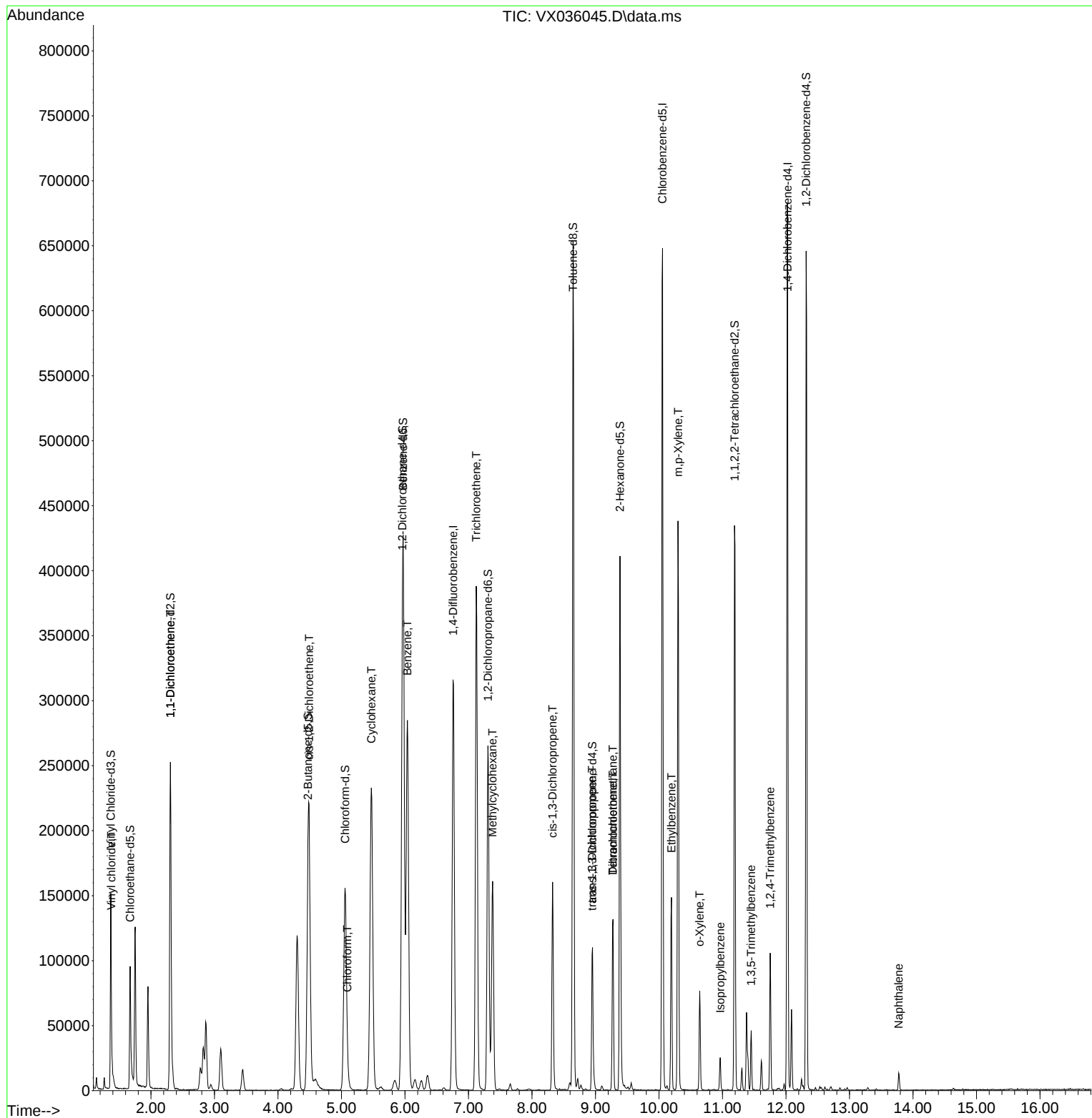
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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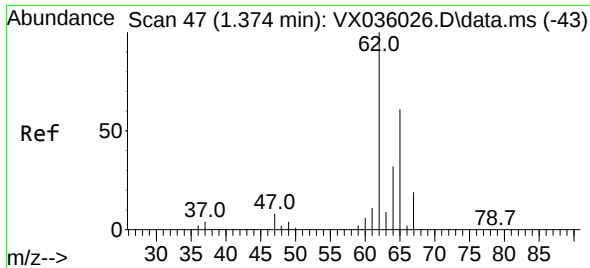
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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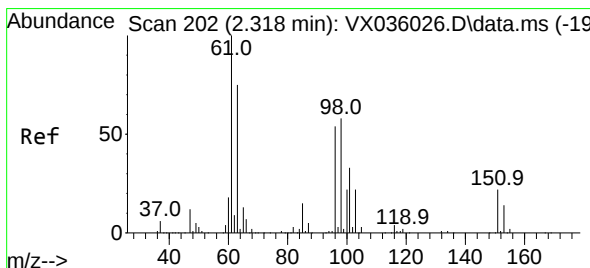
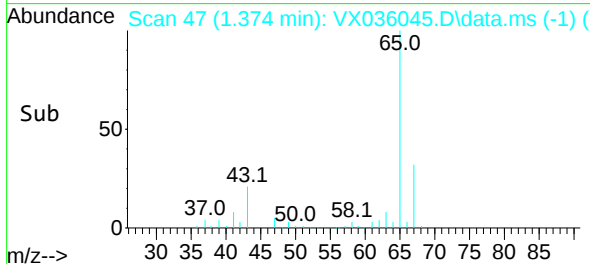
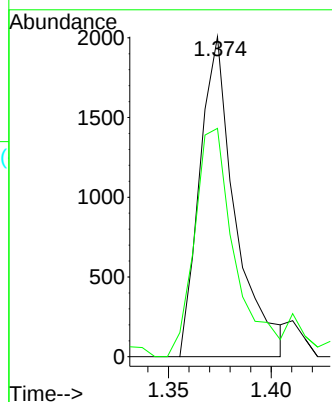
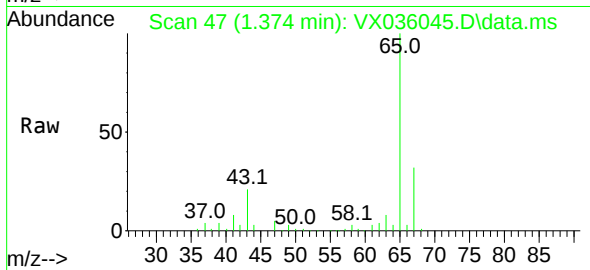




#5
 Vinyl chloride
 Concen: 0.929 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX036045.D
 Acq: 06 Jun 2023 20:05

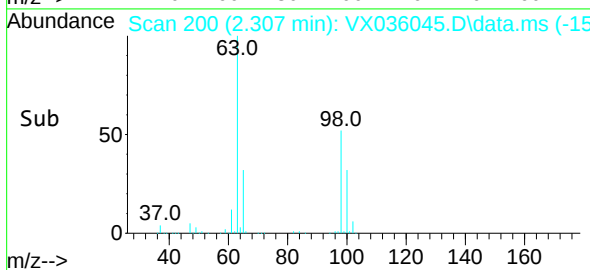
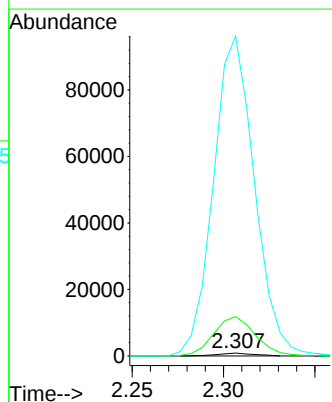
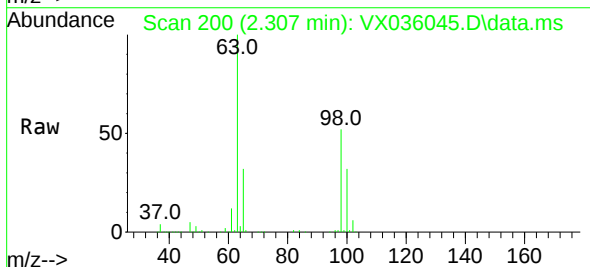
Instrument :
 MSVOA_X
 ClientSampleId :
 F6C08

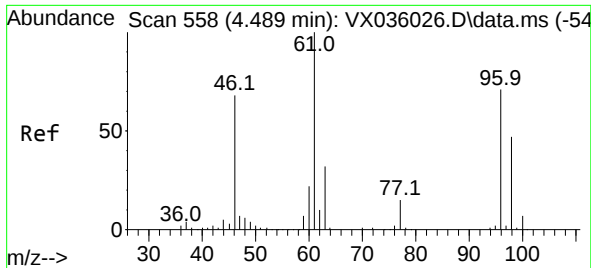
Tgt Ion: 62 Resp: 2422
 Ion Ratio Lower Upper
 62 100
 64 71.4 22.7 42.1#



#12
 1,1-Dichloroethene
 Concen: 0.573 ug/L
 RT: 2.307 min Scan# 200
 Delta R.T. -0.012 min
 Lab File: VX036045.D
 Acq: 06 Jun 2023 20:05

Tgt Ion: 96 Resp: 1194
 Ion Ratio Lower Upper
 96 100
 61 1330.0 132.5 246.1#
 63 10798.7 95.1 176.7#

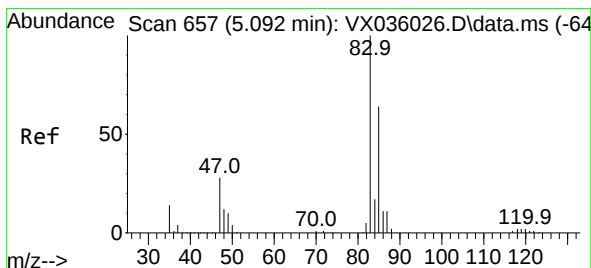
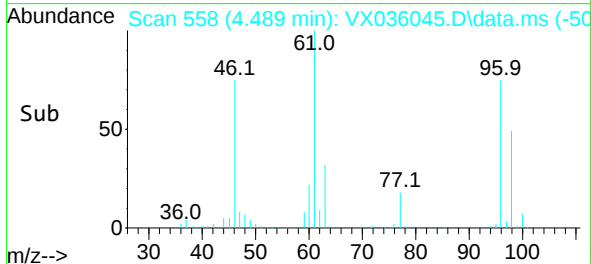
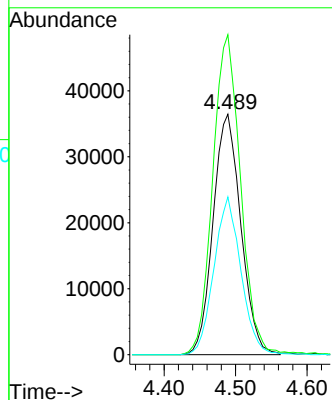
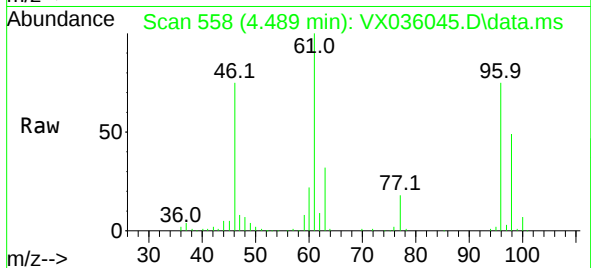




#20
 cis-1,2-Dichloroethene
 Concen: 38.417 ug/L
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX036045.D
 Acq: 06 Jun 2023 20:05

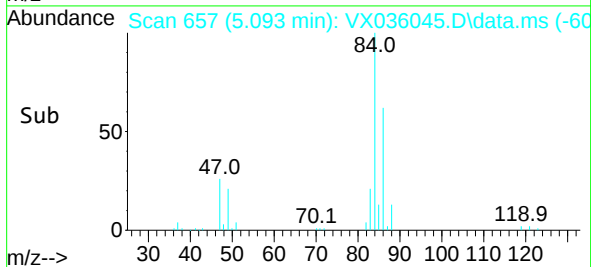
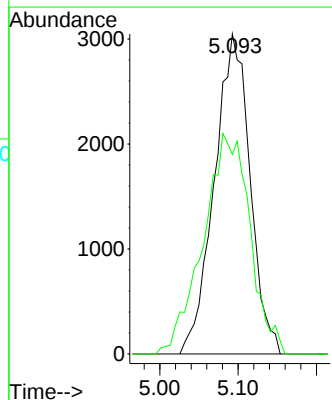
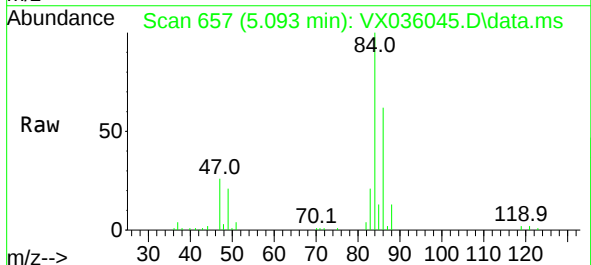
Instrument :
 MSVOA_X
 ClientSampleId :
 F6C08

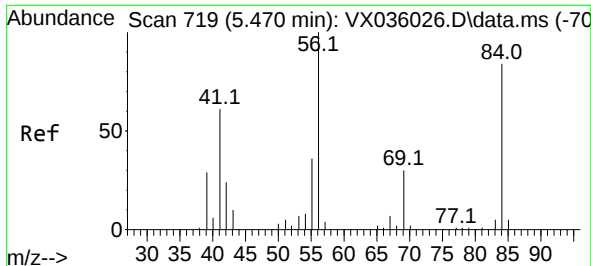
Tgt Ion: 96 Resp: 98419
 Ion Ratio Lower Upper
 96 100
 61 133.1 94.7 175.9
 98 65.6 45.4 84.4



#25
 Chloroform
 Concen: 1.991 ug/L
 RT: 5.093 min Scan# 657
 Delta R.T. 0.000 min
 Lab File: VX036045.D
 Acq: 06 Jun 2023 20:05

Tgt Ion: 83 Resp: 9642
 Ion Ratio Lower Upper
 83 100
 85 62.3 45.0 83.6

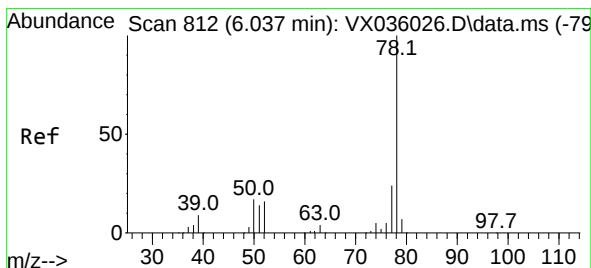
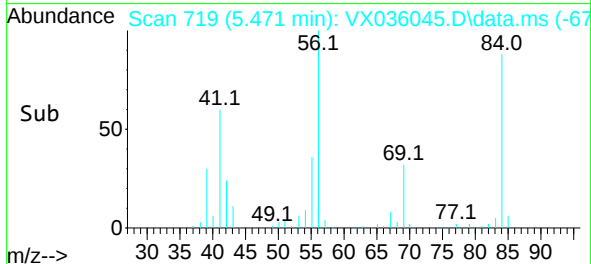
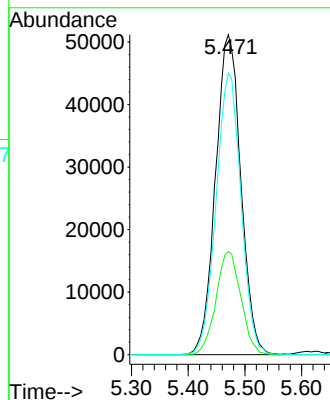
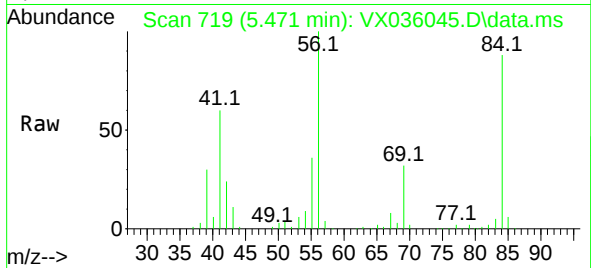




#29
Cyclohexane
Concen: 40.185 ug/L
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

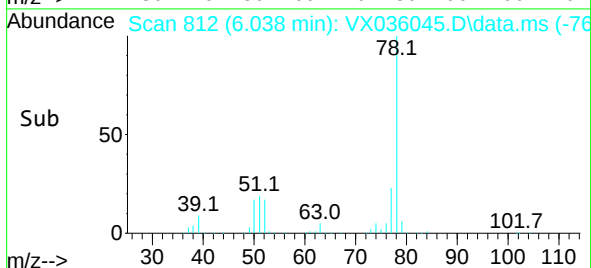
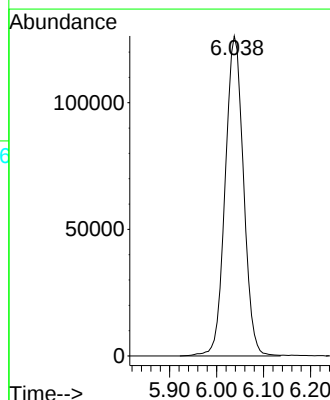
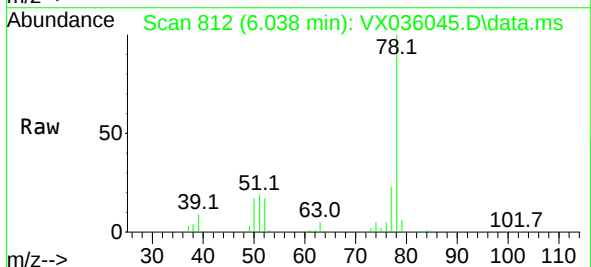
Instrument :
MSVOA_X
ClientSampleId :
F6C08

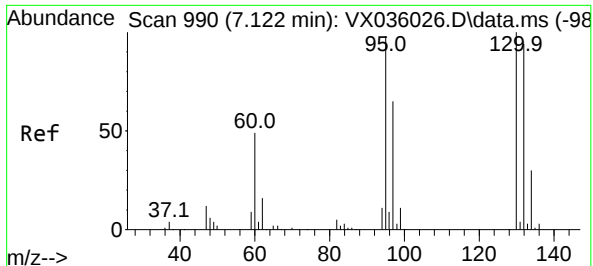
Tgt Ion: 56 Resp: 158978
Ion Ratio Lower Upper
56 100
69 31.6 24.3 36.5
84 86.6 68.4 102.6



#33
Benzene
Concen: 36.146 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion: 78 Resp: 343002



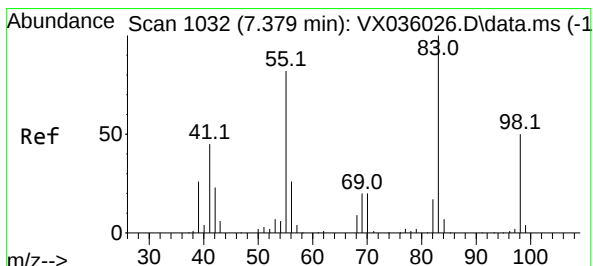
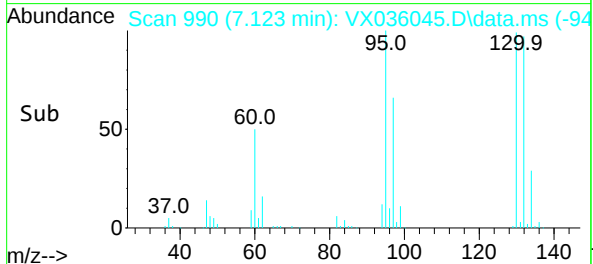
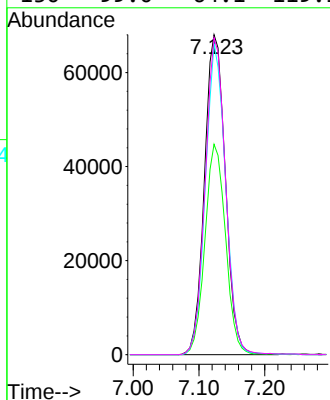
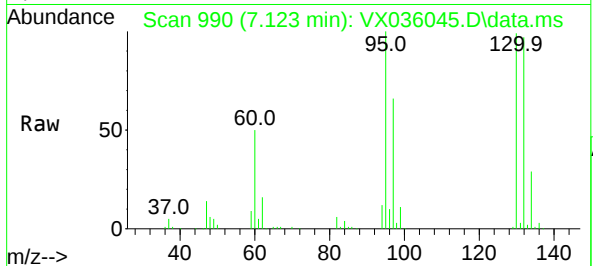


#34
Trichloroethene
Concen: 58.821 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
F6C08

Tgt Ion: 95 Resp: 150333

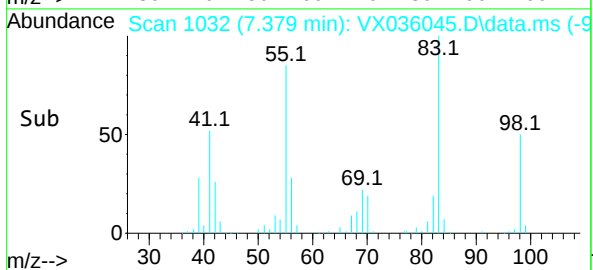
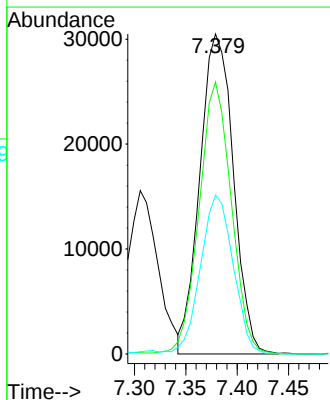
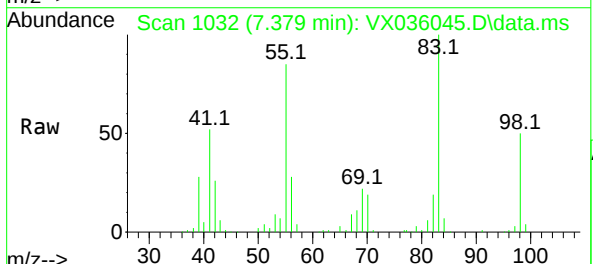
Ion	Ratio	Lower	Upper
95	100		
97	65.8	43.6	81.0
132	97.2	59.9	111.3
130	99.0	64.1	119.1

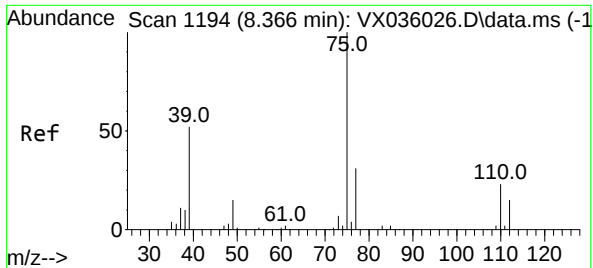


#35
Methylcyclohexane
Concen: 18.479 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion: 83 Resp: 69331

Ion	Ratio	Lower	Upper
83	100		
55	81.6	65.4	98.2
98	48.2	39.0	58.6





#39

cis-1,3-Dichloropropene

Concen: 1.026 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.042 min

Lab File: VX036045.D

Acq: 06 Jun 2023 20:05

Instrument :

MSVOA_X

ClientSampleId :

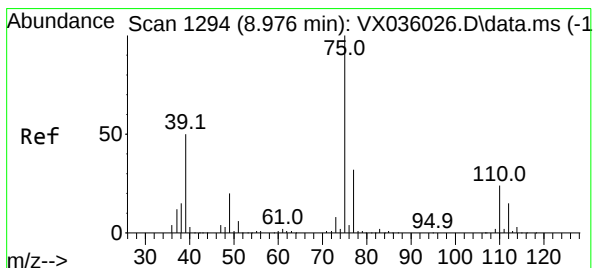
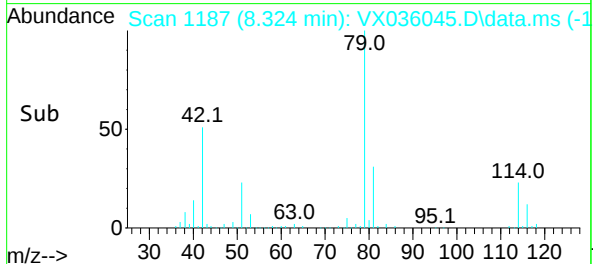
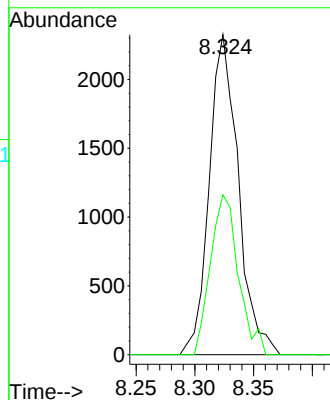
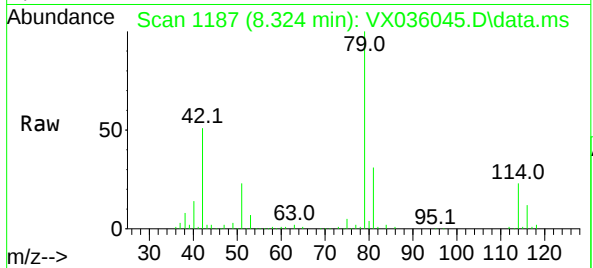
F6C08

Tgt Ion: 75 Resp: 3994

Ion Ratio Lower Upper

75 100

77 49.9 21.9 40.7#



#44

trans-1,3-Dichloropropene

Concen: 0.719 ug/L

RT: 8.946 min Scan# 1289

Delta R.T. -0.030 min

Lab File: VX036045.D

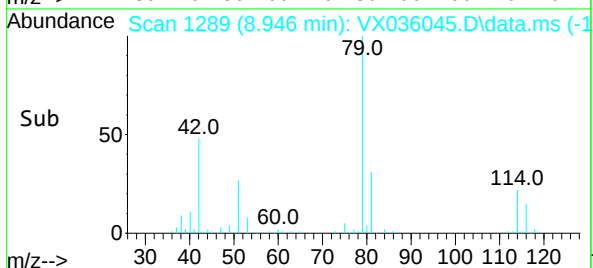
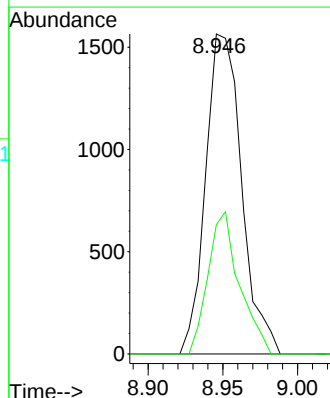
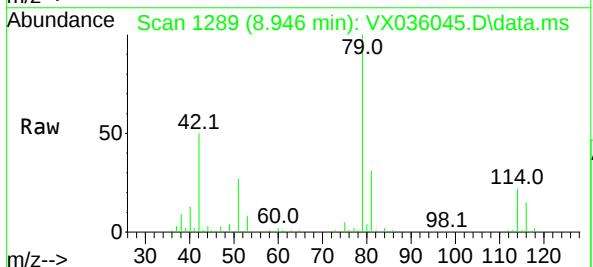
Acq: 06 Jun 2023 20:05

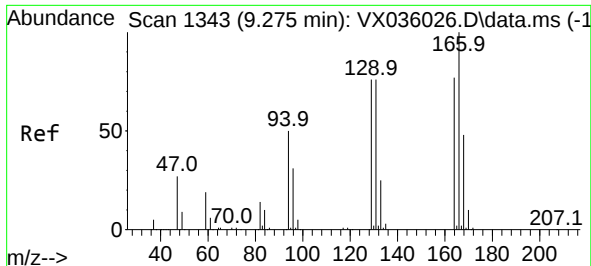
Tgt Ion: 75 Resp: 2621

Ion Ratio Lower Upper

75 100

77 40.4 22.0 41.0

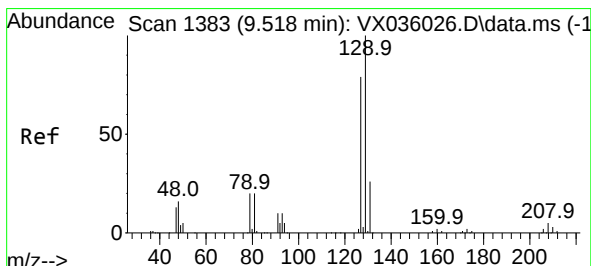
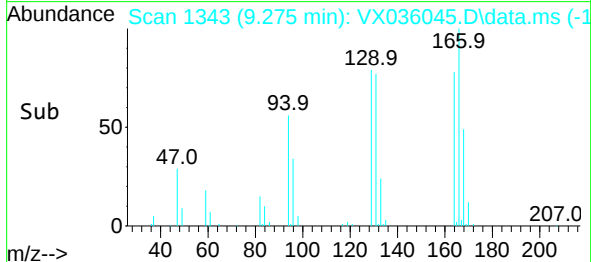
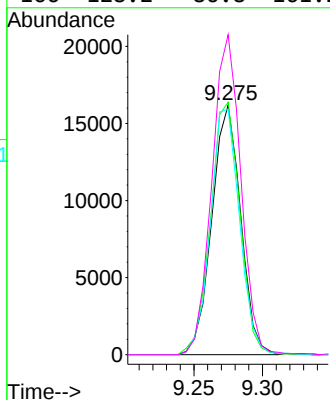
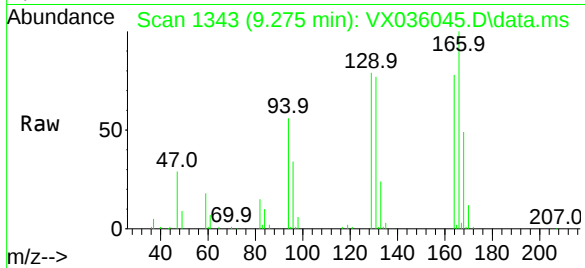




#46
Tetrachloroethene
Concen: 13.220 ug/L
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

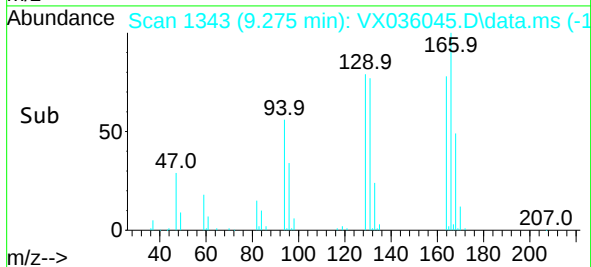
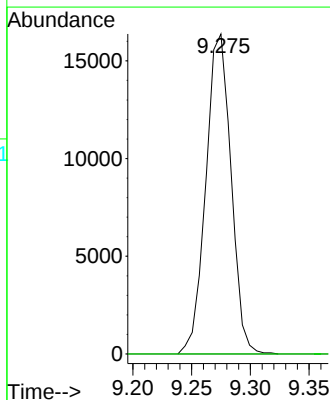
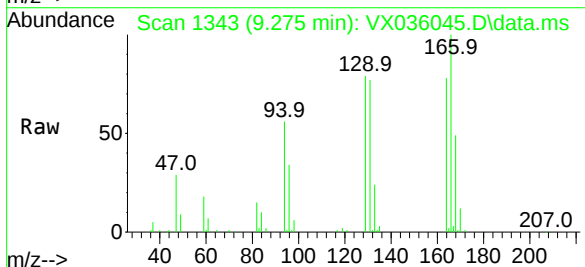
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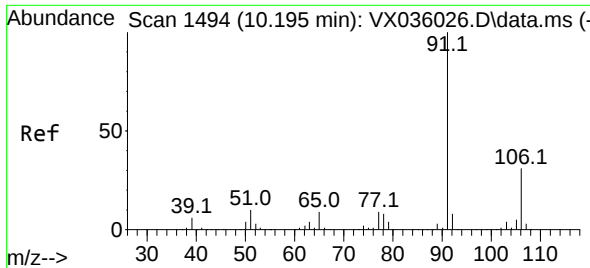
Tgt Ion:164 Resp: 23627
Ion Ratio Lower Upper
164 100
129 101.1 74.8 139.0
131 98.3 68.9 127.9
166 128.2 86.8 161.2



#49
Dibromochloromethane
Concen: 10.556 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion:129 Resp: 24413
Ion Ratio Lower Upper
129 100
127 0.0 53.3 98.9#

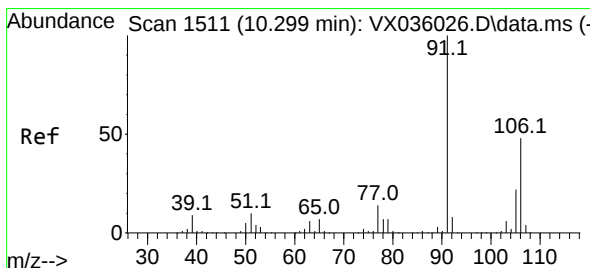
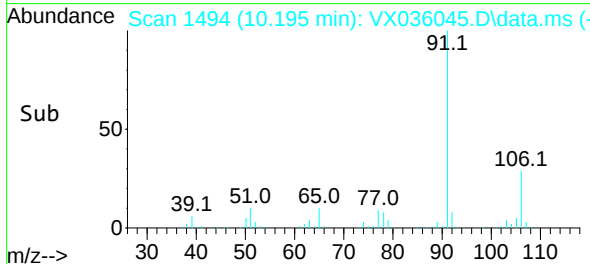
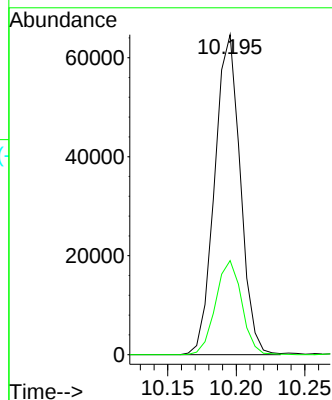
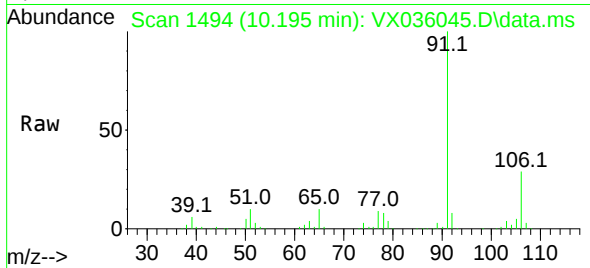




#52
Ethylbenzene
Concen: 7.399 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

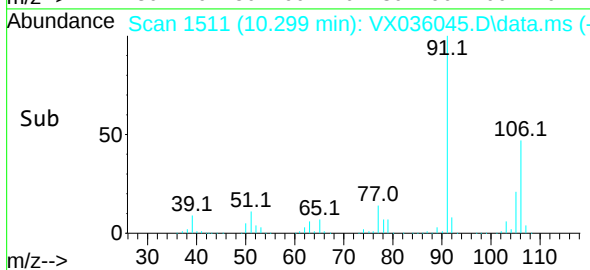
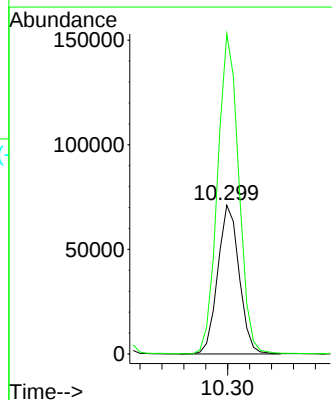
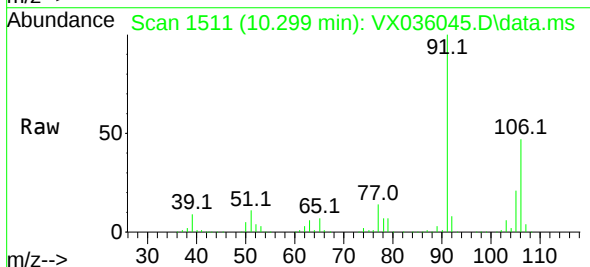
Instrument :
MSVOA_X
ClientSampleId :
F6C08

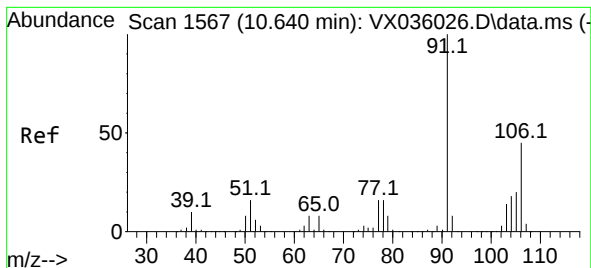
Tgt Ion: 91 Resp: 84103
Ion Ratio Lower Upper
91 100
106 29.4 20.8 38.6



#53
m,p-Xylene
Concen: 22.361 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Tgt Ion: 106 Resp: 96393
Ion Ratio Lower Upper
106 100
91 215.0 149.8 278.2





#54

o-Xylene

Concen: 3.805 ug/L

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036045.D

Acq: 06 Jun 2023 20:05

Instrument :

MSVOA_X

ClientSampleId :

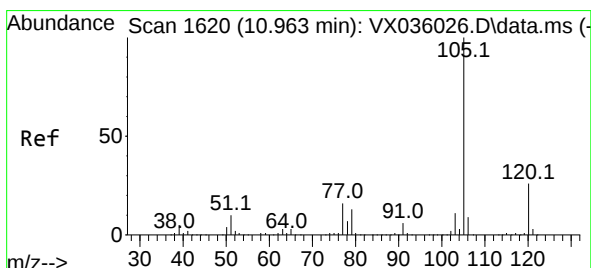
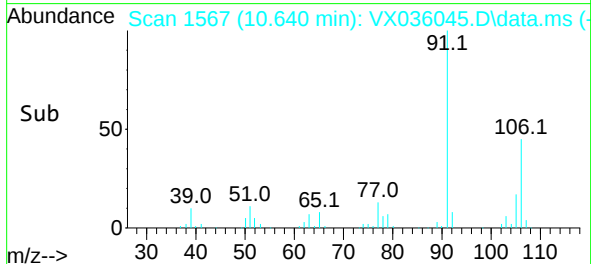
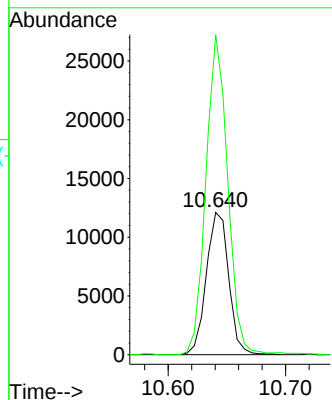
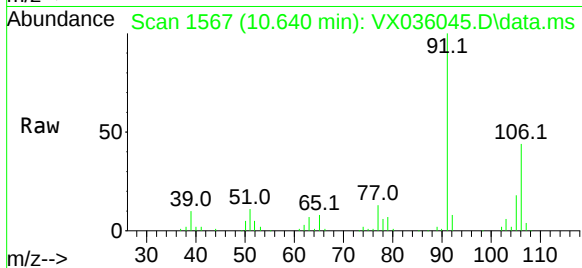
F6C08

Tgt Ion:106 Resp: 16032

Ion Ratio Lower Upper

106 100

91 225.0 156.9 291.5



#60

Isopropylbenzene

Concen: 1.244 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX036045.D

Acq: 06 Jun 2023 20:05

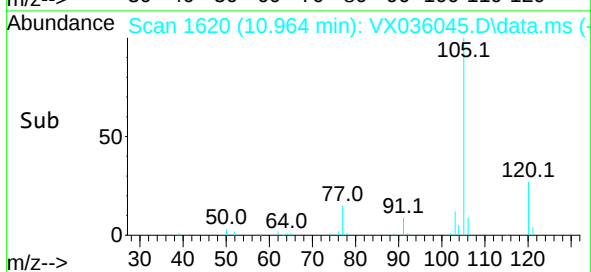
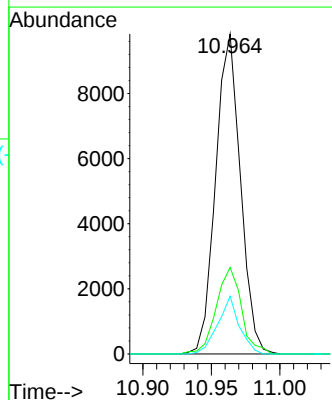
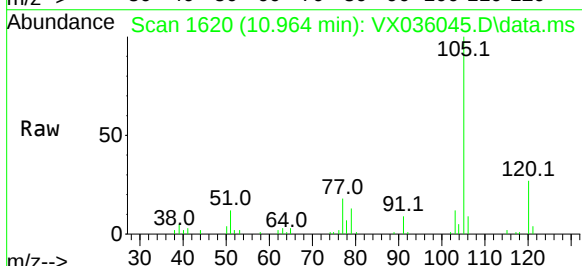
Tgt Ion:105 Resp: 12357

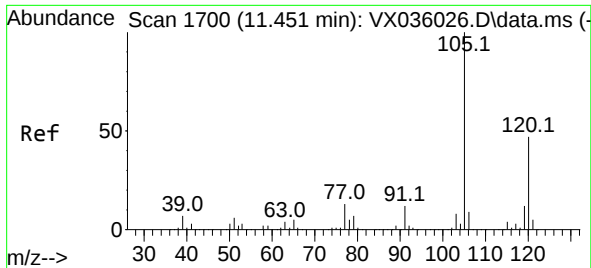
Ion Ratio Lower Upper

105 100

120 27.5 20.9 31.3

77 15.6 13.7 20.5

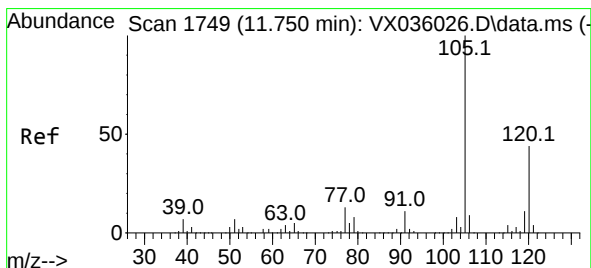
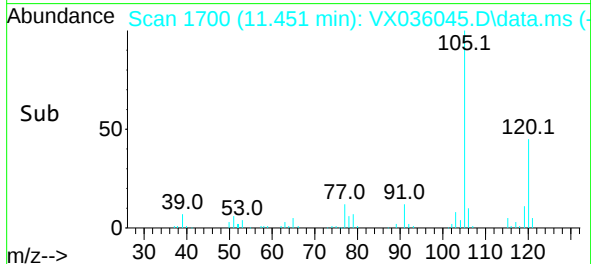
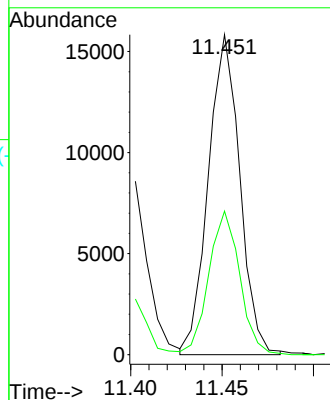
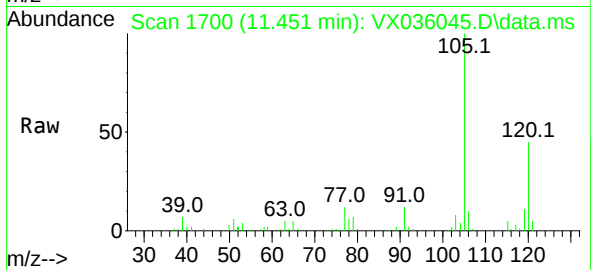




#62
1,3,5-Trimethylbenzene
Concen: 2.296 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

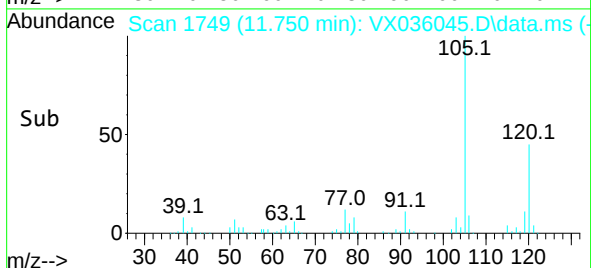
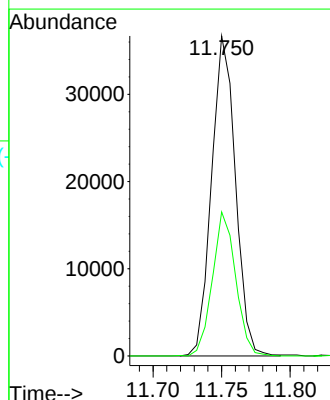
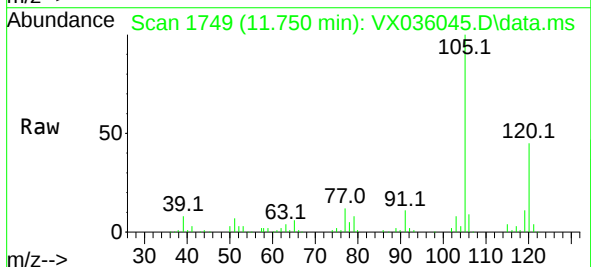
Instrument :
MSVOA_X
ClientSampleId :
F6C08

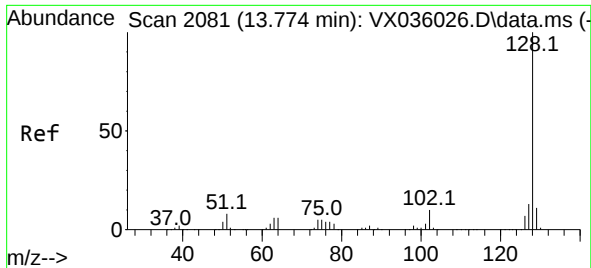
Tgt Ion:105 Resp: 18975
Ion Ratio Lower Upper
105 100
120 44.1 37.0 55.4



#63
1,2,4-Trimethylbenzene
Concen: 5.812 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

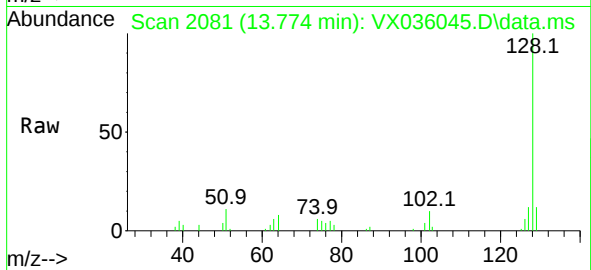
Tgt Ion:105 Resp: 44444
Ion Ratio Lower Upper
105 100
120 43.9 35.0 52.6





#71
Naphthalene
Concen: 1.065 ug/L
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX036045.D
Acq: 06 Jun 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
F6C08



Tgt Ion:128 Resp: 8429
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.3 8.9 13.3

