

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062623\
 Data File : VX036332.D
 Acq On : 26 Jun 2023 16:29
 Operator : JC/MD
 Sample : 03319-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:25:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

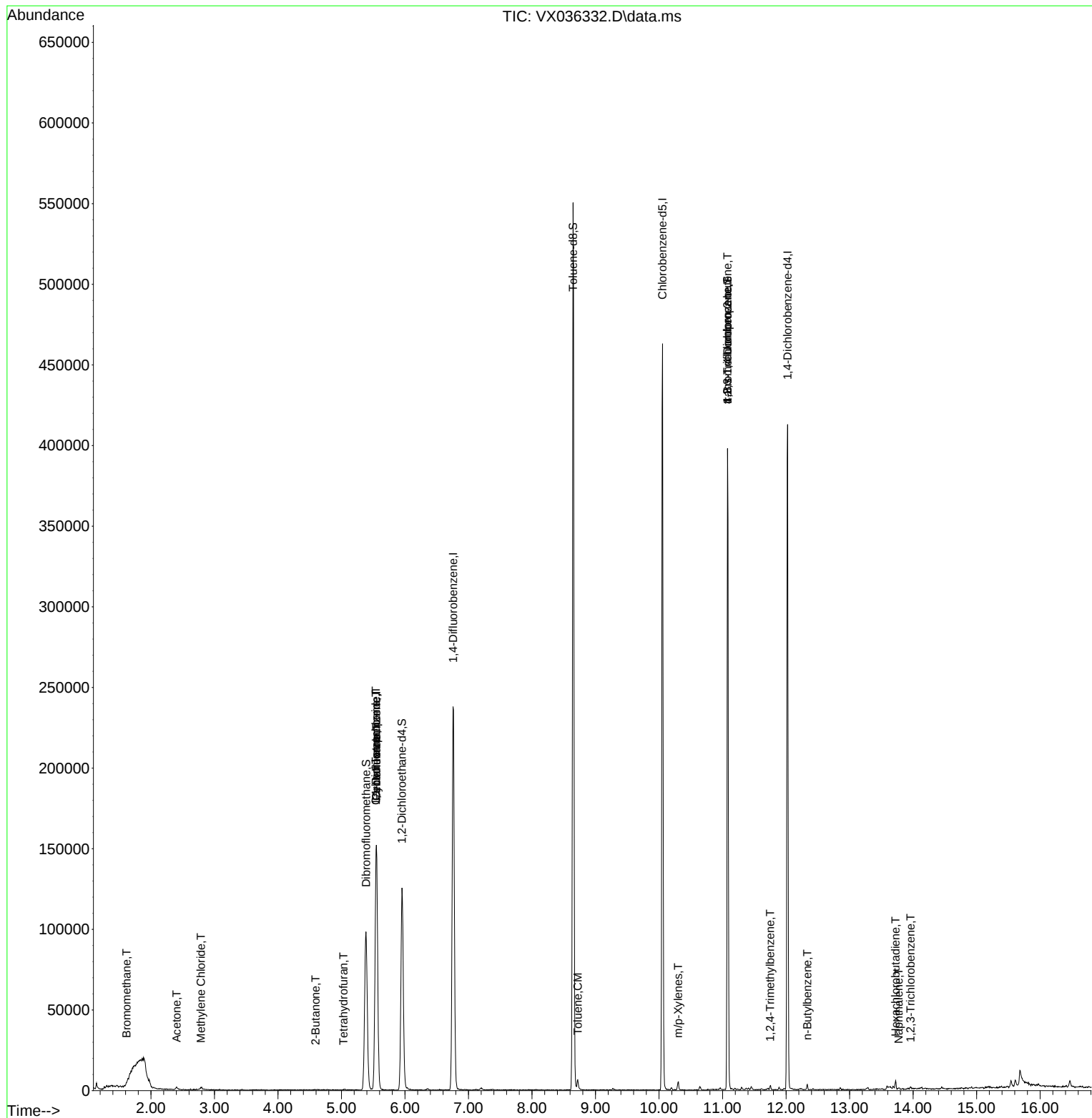
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	143972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	240948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	120924	58.595	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	117.180%	#
35) Dibromofluoromethane	5.385	113	87816	55.274	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	110.540%	
50) Toluene-d8	8.647	98	326815	55.075	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	110.160%	
62) 4-Bromofluorobenzene	11.079	95	107058	51.221	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	102.440%	
Target Compounds						
						Qvalue
5) Bromomethane	1.617	94	391	0.207	ug/l	89
16) Acetone	2.404	43	1947	2.207	ug/l #	64
20) Methylene Chloride	2.788	84	872	0.459	ug/l #	91
25) 2-Butanone	4.592	43	413	0.326	ug/l #	51
29) Tetrahydrofuran	5.031	42	219	0.271	ug/l #	34
31) Cyclohexane	5.550	56	3228	1.221	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11904	5.027	ug/l #	50
38) Carbon Tetrachloride	5.544	117	15159	7.008	ug/l #	16
52) Toluene	8.720	92	2114	0.504	ug/l	87
68) m/p-Xylenes	10.299	106	1202	0.405	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	54705	29.713	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	54705	96.856	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	1323	0.243	ug/l	89
89) n-Butylbenzene	12.335	91	1371	0.274	ug/l	96
94) Hexachlorobutadiene	13.725	225	782	1.071	ug/l	94
95) Naphthalene	13.774	128	1197	0.203	ug/l #	81
96) 1,2,3-Trichlorobenzene	13.963	180	366	0.210	ug/l #	81

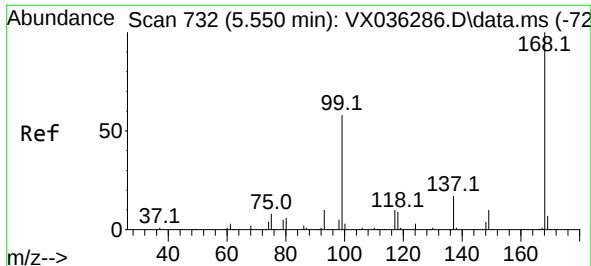
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 27 04:25:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

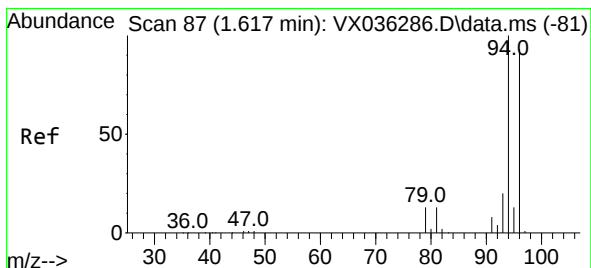
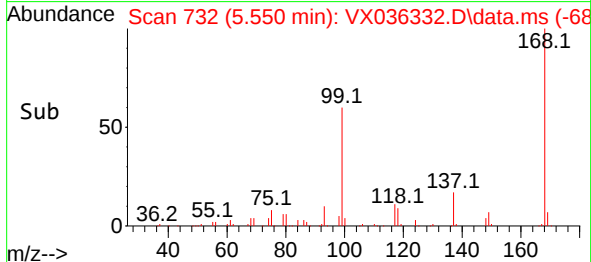
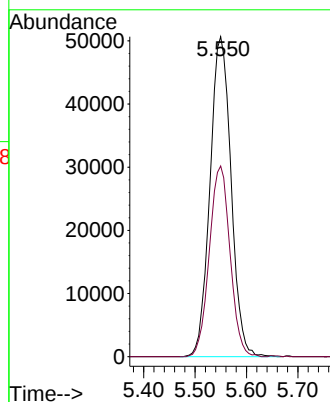
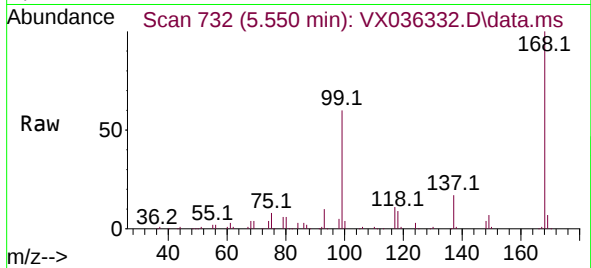




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

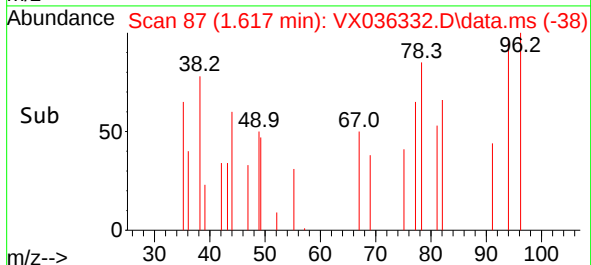
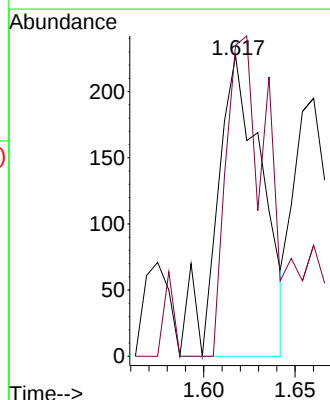
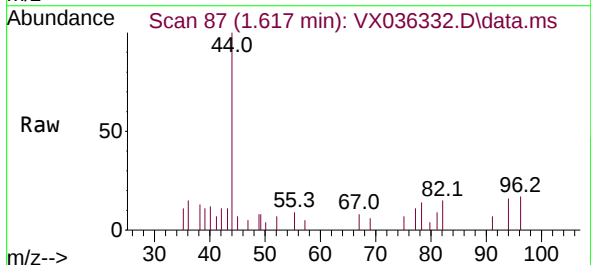
Instrument :
MSVOA_X
ClientSampleId :

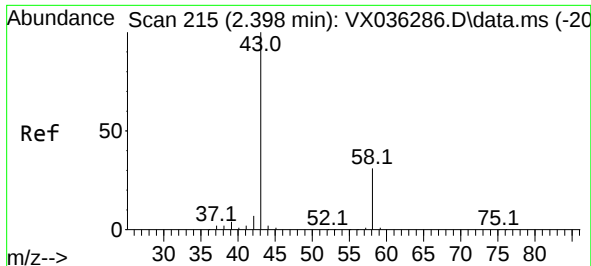
Tgt Ion:168 Resp: 143972
Ion Ratio Lower Upper
168 100
99 59.6 56.6 85.0



#5
Bromomethane
Concen: 0.207 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

Tgt Ion: 94 Resp: 391
Ion Ratio Lower Upper
94 100
96 103.5 74.6 111.8

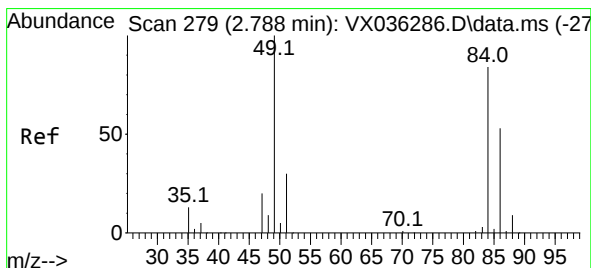
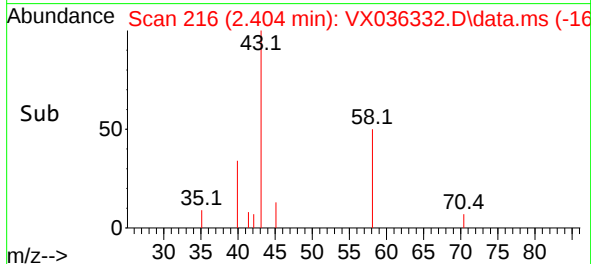
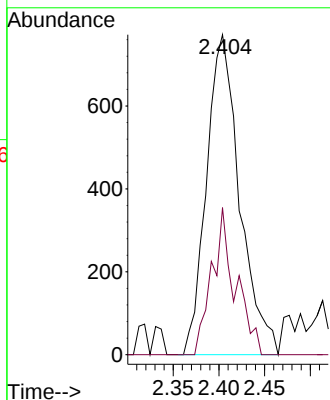
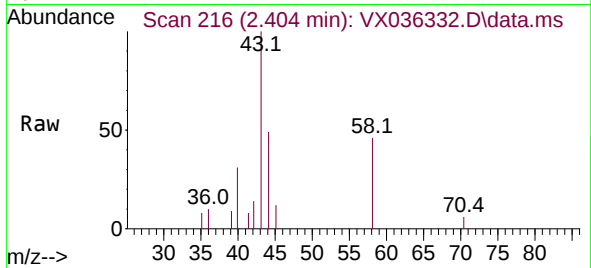




#16
Acetone
Concen: 2.207 ug/l
RT: 2.404 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

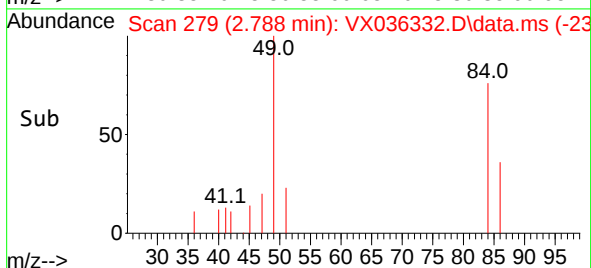
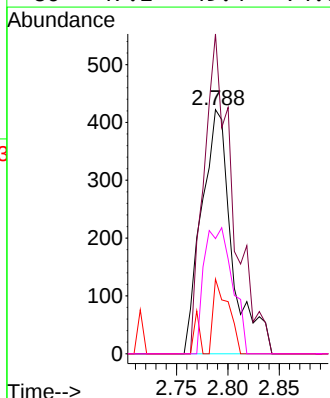
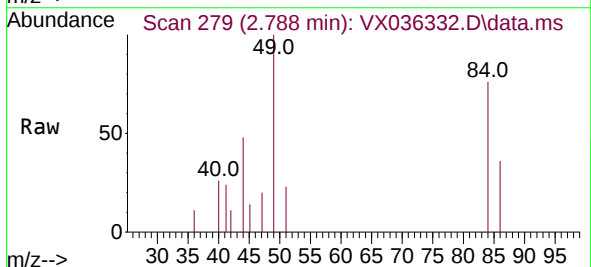
Instrument :
MSVOA_X
ClientSampleId :

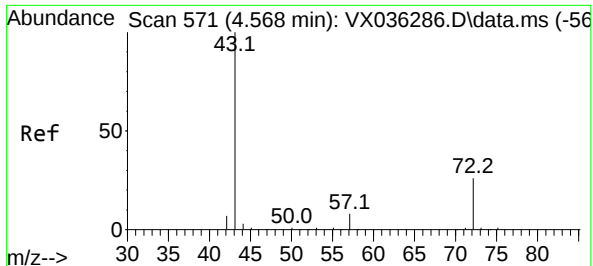
Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
58 46.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.459 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

Tgt Ion: 84 Resp: 872
Ion Ratio Lower Upper
84 100
49 131.0 103.6 155.4
51 30.6 33.8 50.6#
86 47.2 49.4 74.0#





#25

2-Butanone

Concen: 0.326 ug/l

RT: 4.592 min Scan# 5

Delta R.T. 0.024 min

Lab File: VX036332.D

Acq: 26 Jun 2023 16:29

Instrument :

MSVOA_X

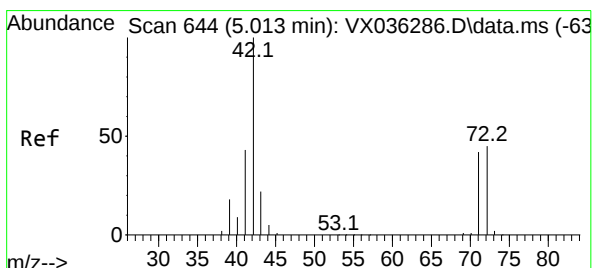
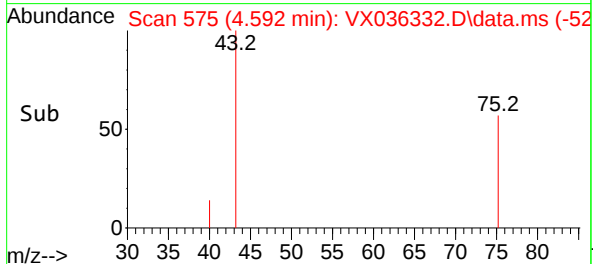
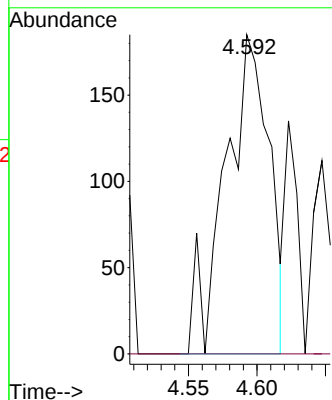
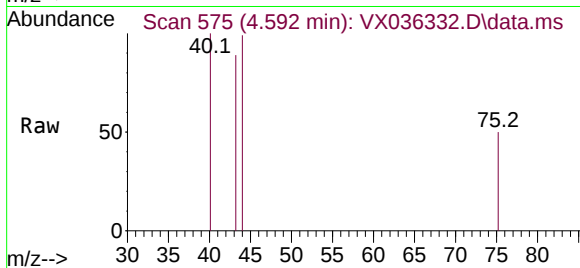
ClientSampleId :

Tgt Ion: 43 Resp: 413

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.271 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.012 min

Lab File: VX036332.D

Acq: 26 Jun 2023 16:29

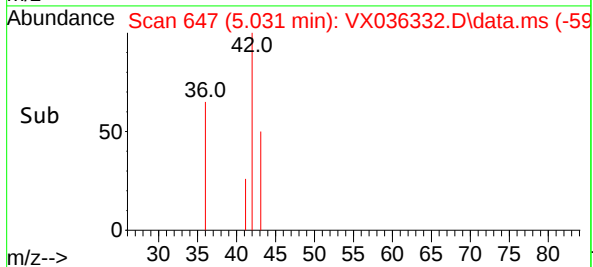
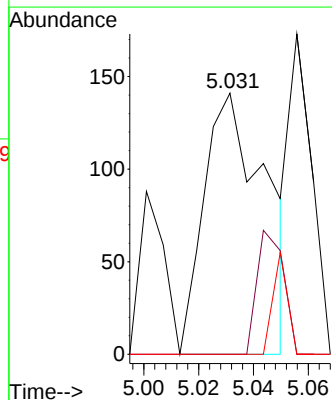
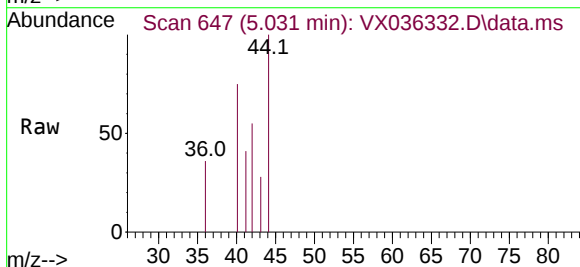
Tgt Ion: 42 Resp: 219

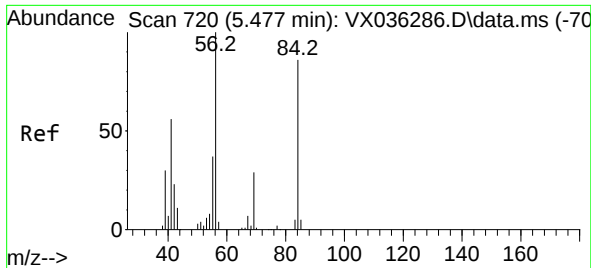
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

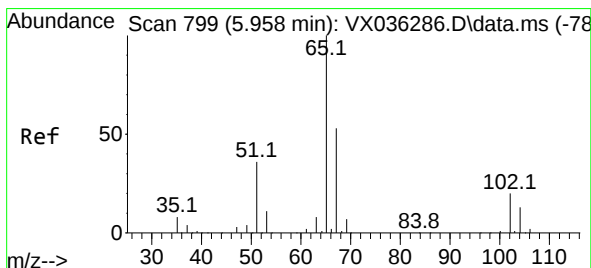
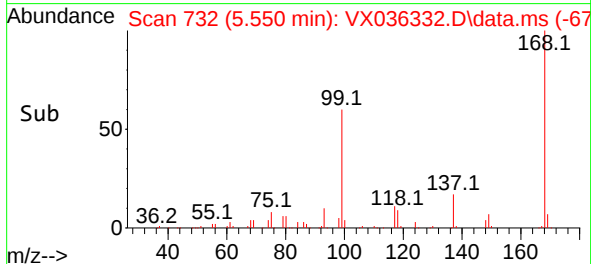
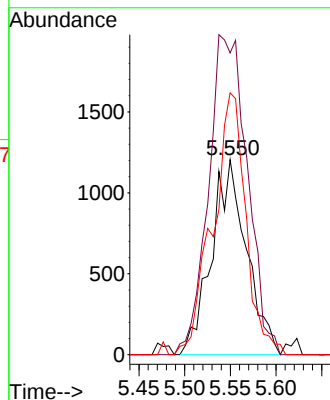
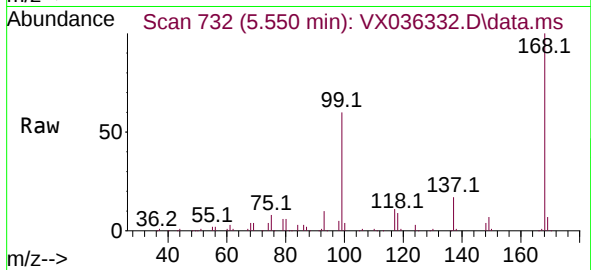




#31
Cyclohexane
Concen: 1.221 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

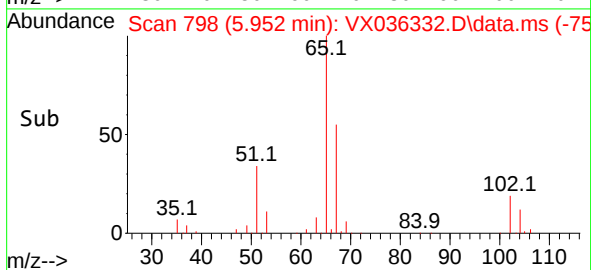
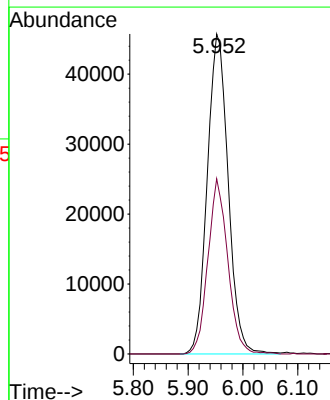
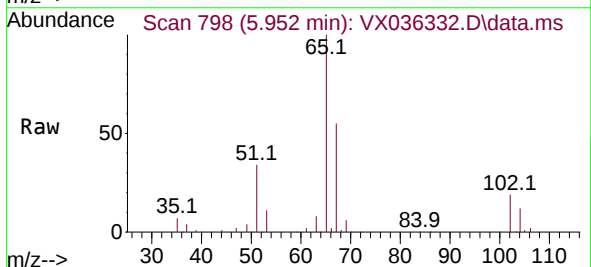
Instrument :
MSVOA_X
ClientSampleId :

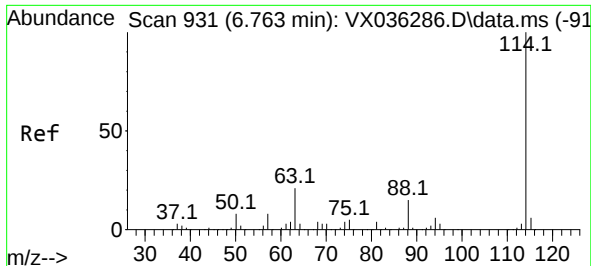
Tgt Ion: 56 Resp: 3228
Ion Ratio Lower Upper
56 100
69 154.7 23.4 35.2#
84 130.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 58.595 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

Tgt Ion: 65 Resp: 120924
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2

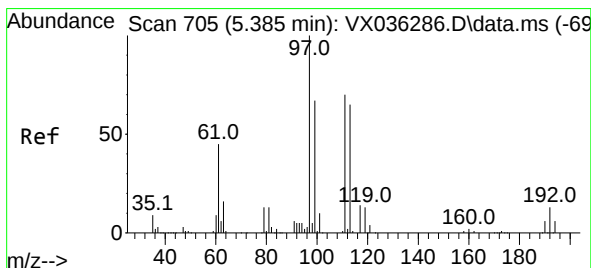
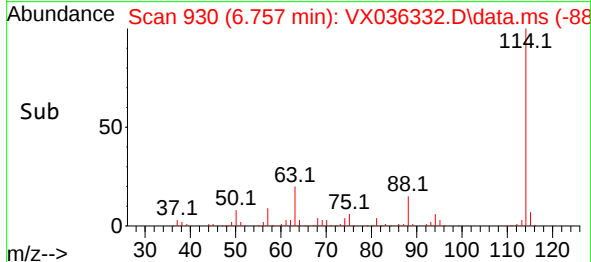
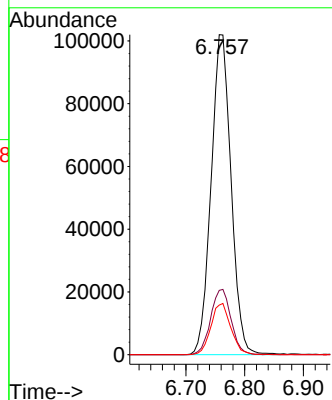
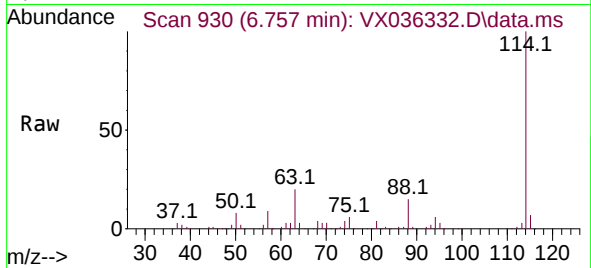




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

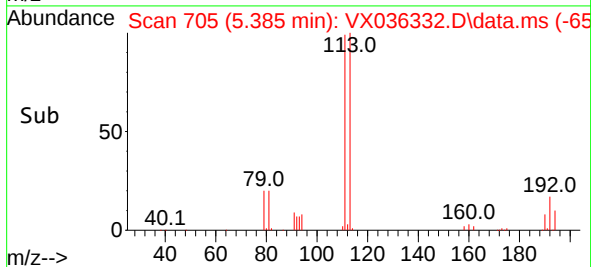
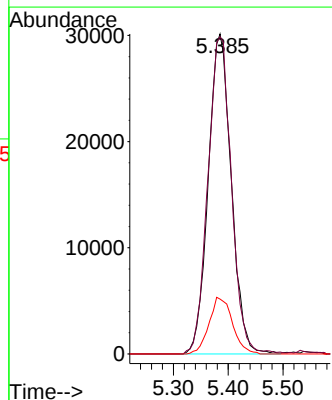
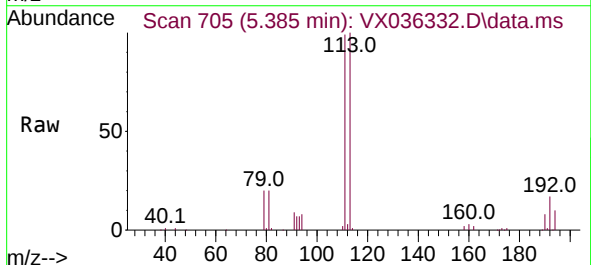
Instrument :
MSVOA_X
ClientSampleId :

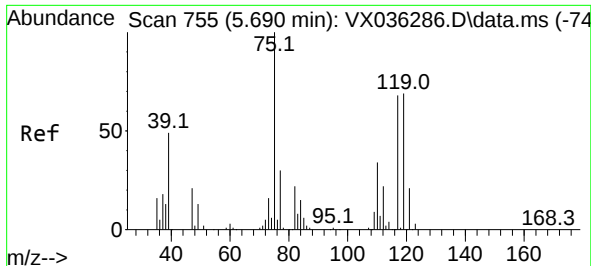
Tgt Ion:114 Resp: 240948
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 55.274 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

Tgt Ion:113 Resp: 87816
Ion Ratio Lower Upper
113 100
111 101.1 82.9 124.3
192 18.0 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.027 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.152 min

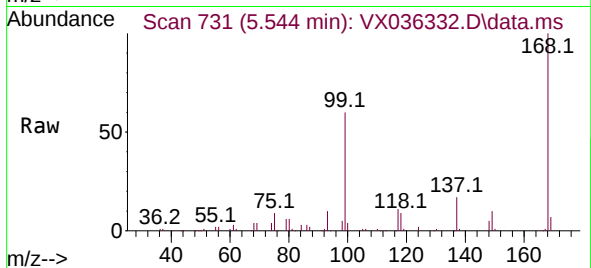
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Acq: 26 Jun 2023 16:29

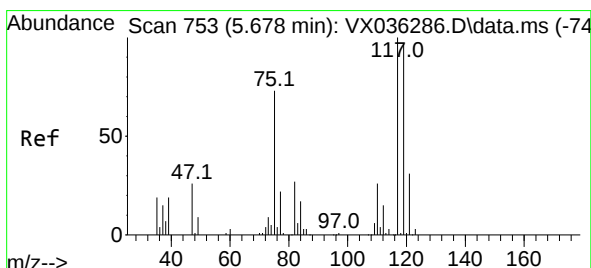
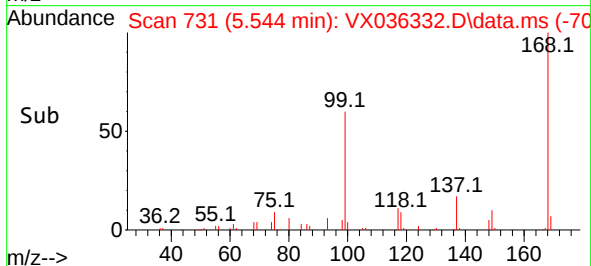
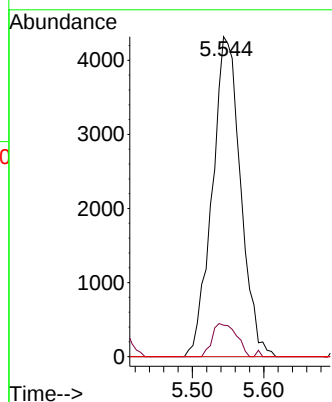
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 75	Resp: 11904
Ion Ratio	Lower Upper
75	100
110	8.8 17.0 50.9#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.008 ug/l

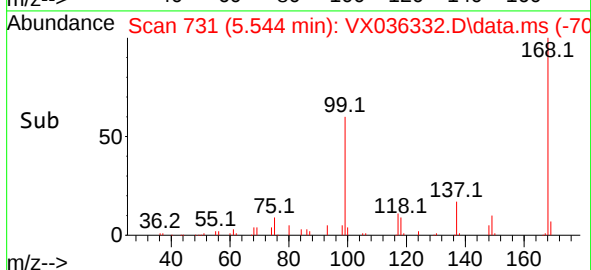
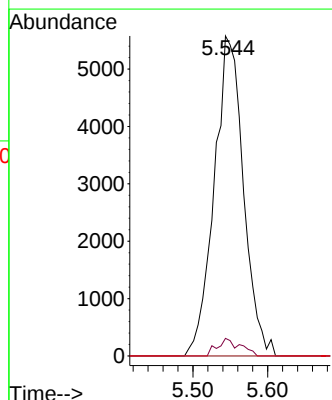
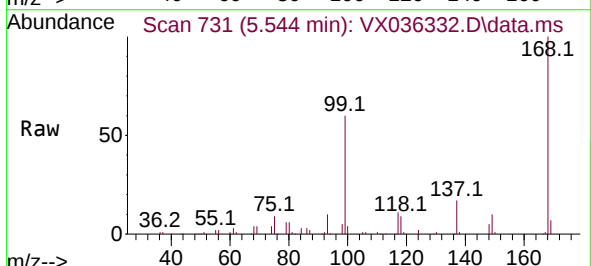
RT: 5.544 min Scan# 731

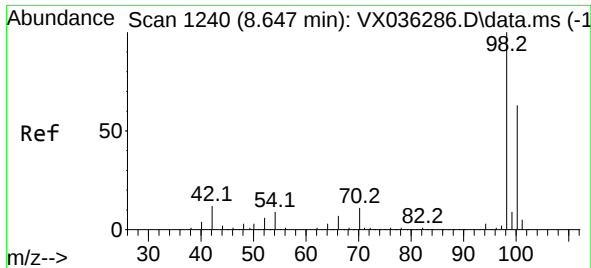
Delta R.T. -0.134 min

Lab File: VX036332.D

Acq: 26 Jun 2023 16:29

Tgt Ion: 117	Resp: 15159
Ion Ratio	Lower Upper
117	100
119	5.5 78.2 117.2#
121	0.0 24.4 36.6#

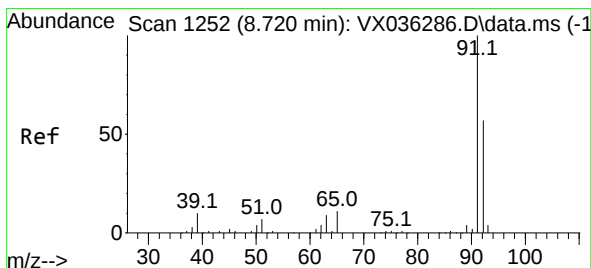
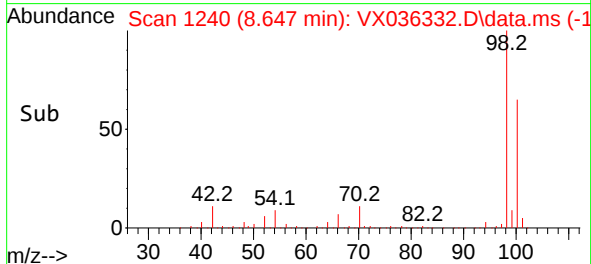
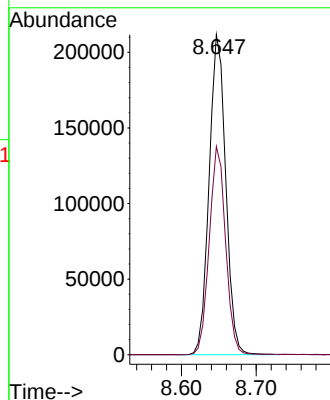
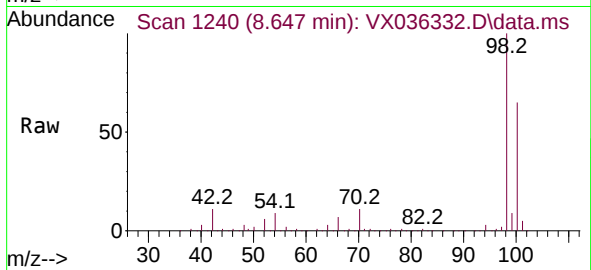




#50
Toluene-d8
Concen: 55.075 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

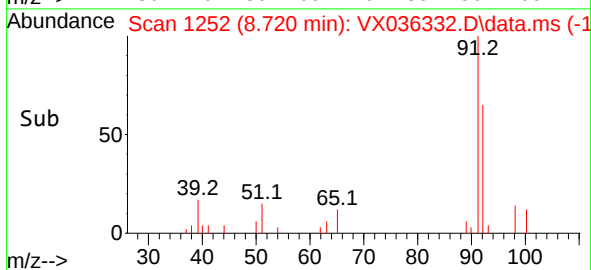
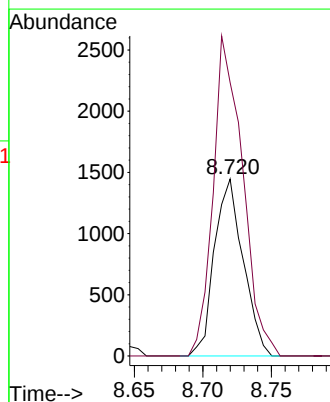
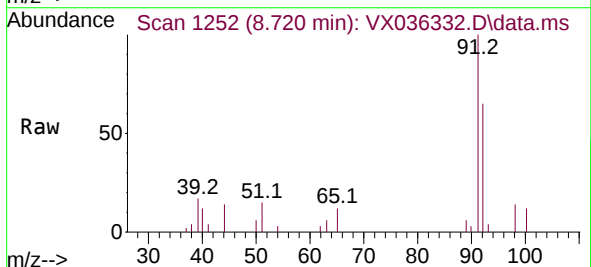
Instrument :
MSVOA_X
ClientSampleId :

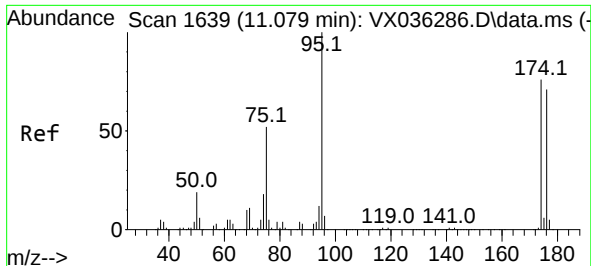
Tgt Ion: 98 Resp: 326815
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



#52
Toluene
Concen: 0.504 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

Tgt Ion: 92 Resp: 2114
Ion Ratio Lower Upper
92 100
91 185.0 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 51.221 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036332.D

Acq: 26 Jun 2023 16:29

Instrument :

MSVOA_X

ClientSampleId :

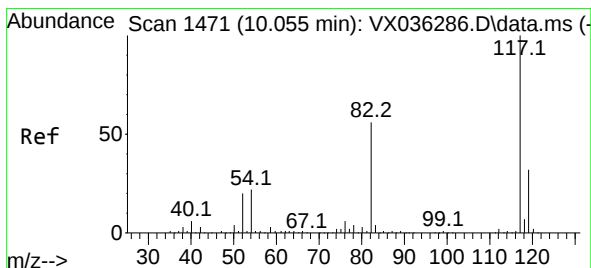
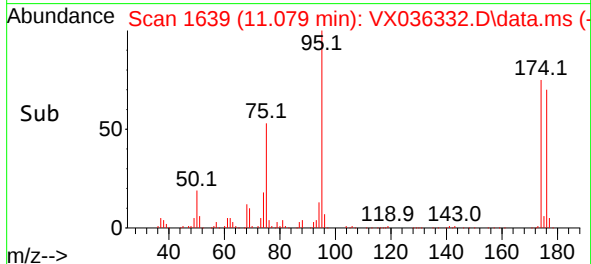
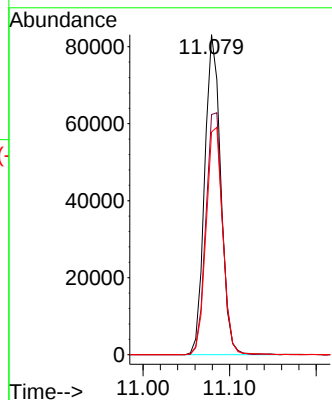
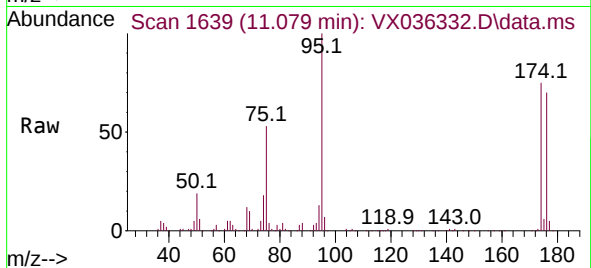
Tgt Ion: 95 Resp: 107058

Ion Ratio Lower Upper

95 100

174 78.2 0.0 135.6

176 73.7 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX036332.D

Acq: 26 Jun 2023 16:29

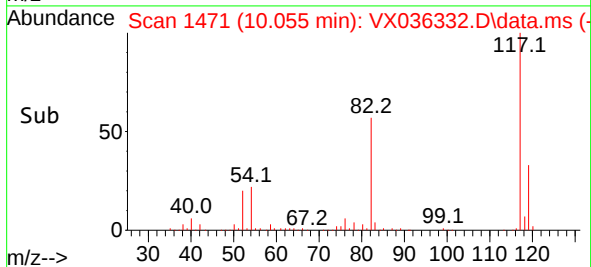
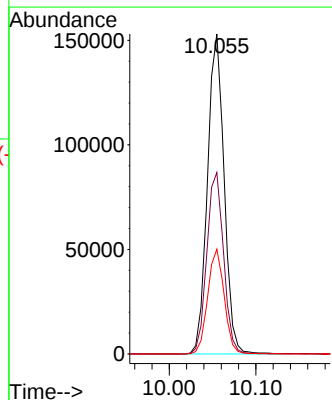
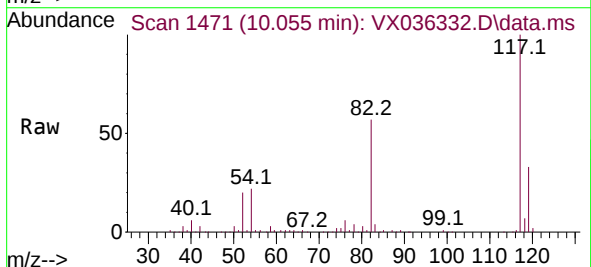
Tgt Ion: 117 Resp: 204435

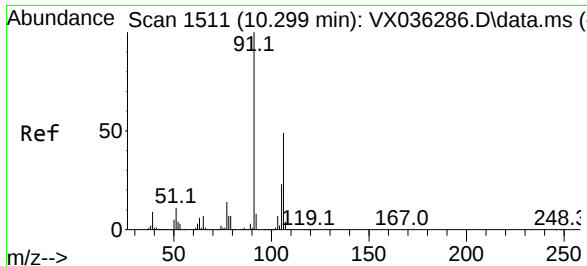
Ion Ratio Lower Upper

117 100

82 56.7 46.2 69.4

119 32.8 25.5 38.3

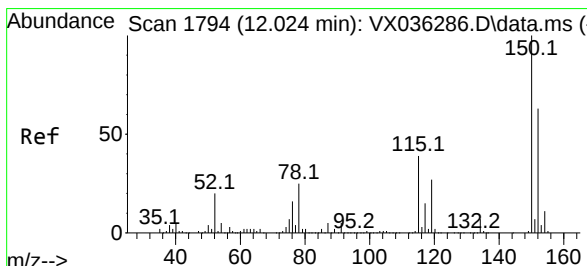
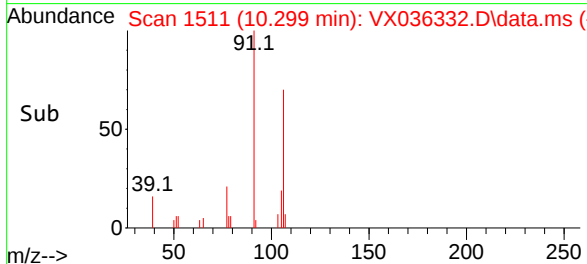
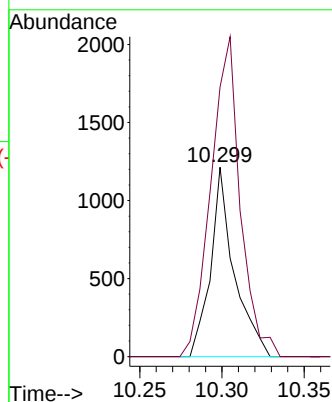
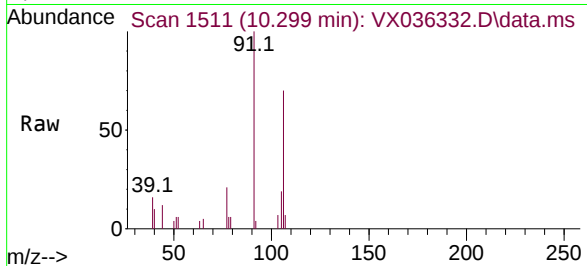




#68
m/p-Xylenes
Concen: 0.405 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

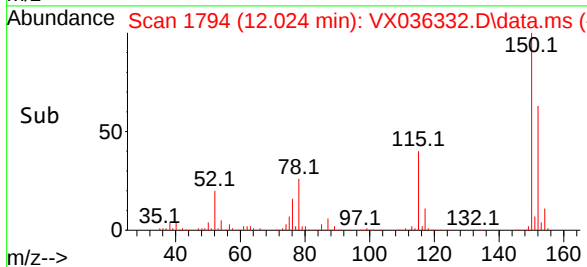
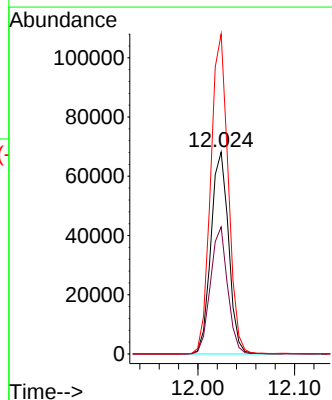
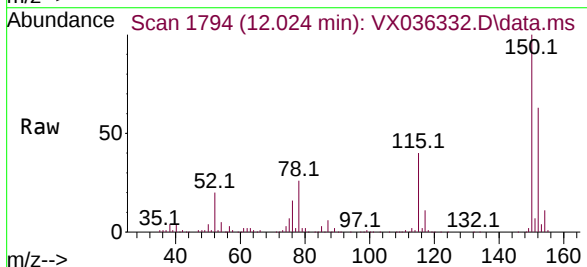
Instrument :
MSVOA_X
ClientSampleId :

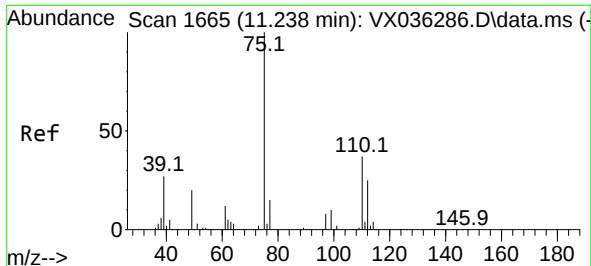
Tgt Ion:106 Resp: 1202
Ion Ratio Lower Upper
106 100
91 211.6 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

Tgt Ion:152 Resp: 86315
Ion Ratio Lower Upper
152 100
115 61.3 43.3 129.9
150 157.1 0.0 345.0

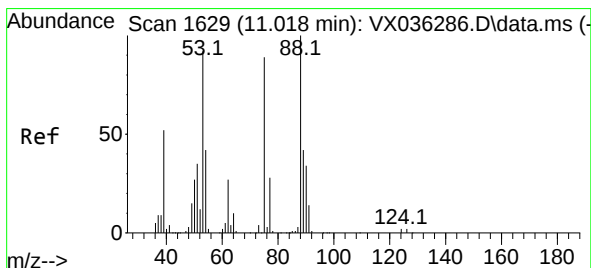
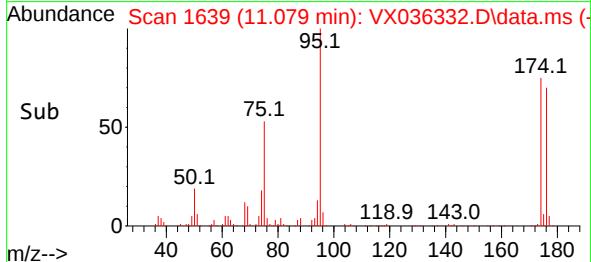
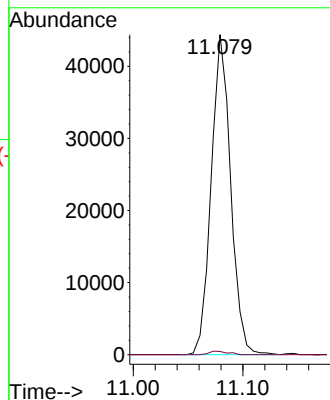
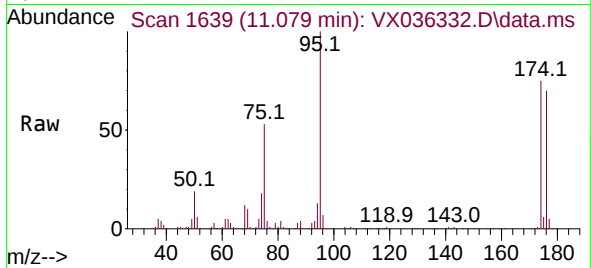




#76
1,2,3-Trichloropropane
Concen: 29.713 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

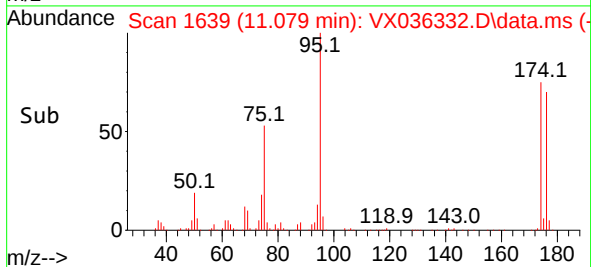
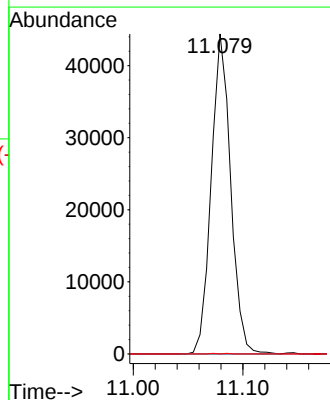
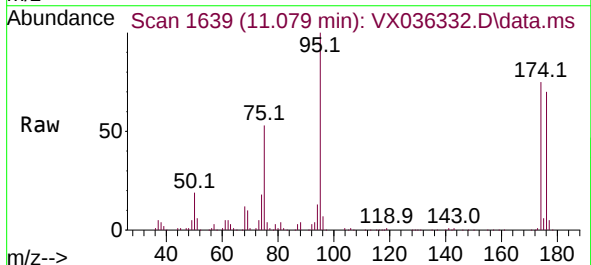
Instrument :
MSVOA_X
ClientSampleId :

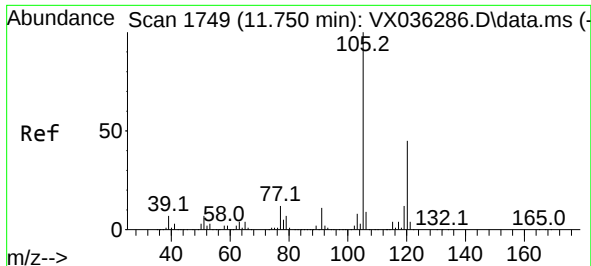
Tgt Ion: 75 Resp: 54705
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.856 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

Tgt Ion: 75 Resp: 54705
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

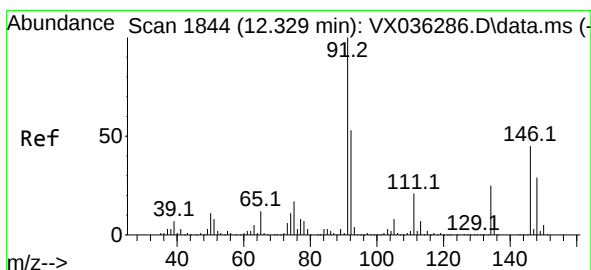
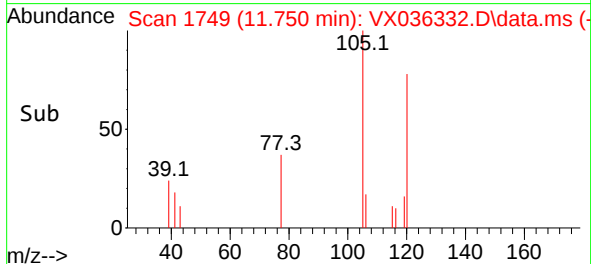
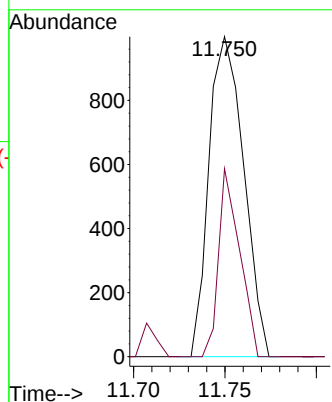
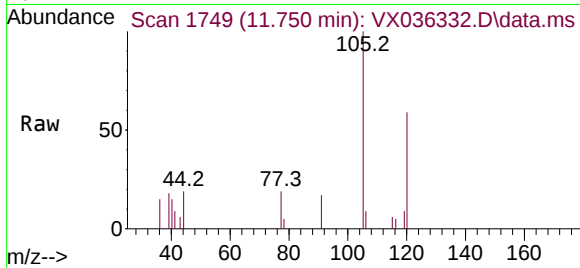




#84
1,2,4-Trimethylbenzene
Concen: 0.243 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

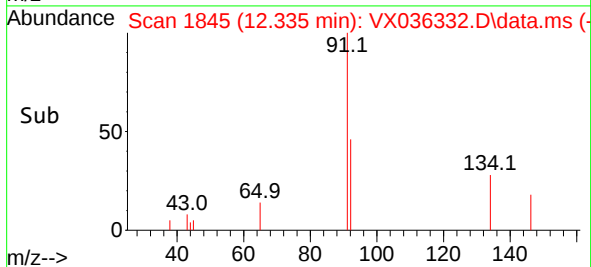
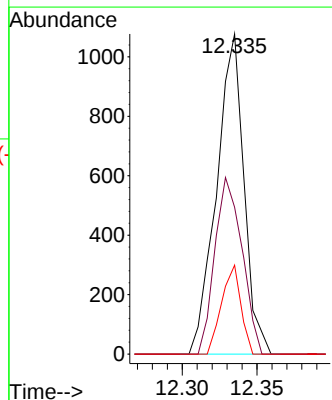
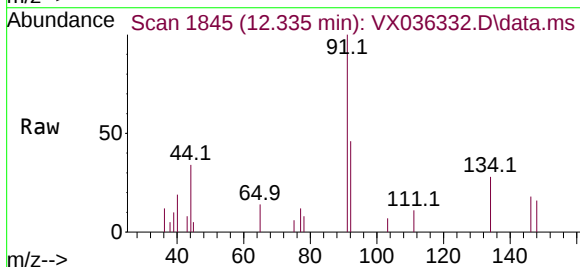
Instrument :
MSVOA_X
ClientSampleId :

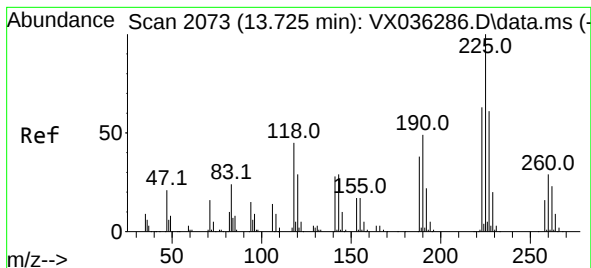
Tgt Ion:105 Resp: 1323
Ion Ratio Lower Upper
105 100
120 35.6 21.2 63.6



#89
n-Butylbenzene
Concen: 0.274 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX036332.D
Acq: 26 Jun 2023 16:29

Tgt Ion: 91 Resp: 1371
Ion Ratio Lower Upper
91 100
92 54.6 27.4 82.0
134 19.5 12.6 37.8





#94

Hexachlorobutadiene

Concen: 1.071 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

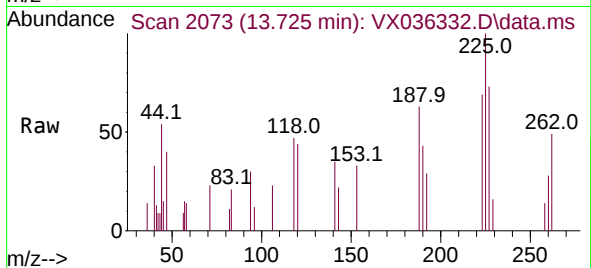
Lab File: VX036332.D

Acq: 26 Jun 2023 16:29

Instrument :

MSVOA_X

ClientSampleId :



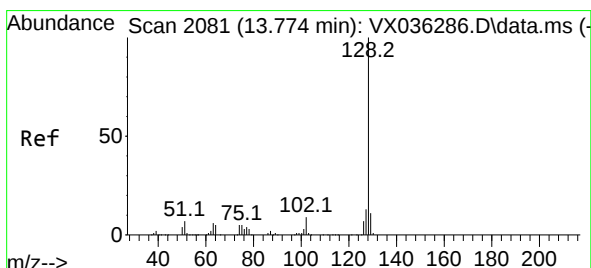
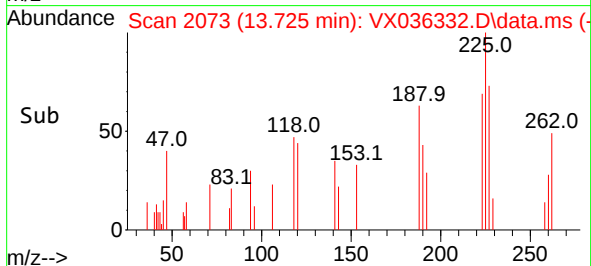
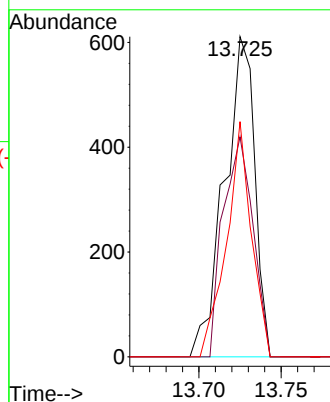
Tgt Ion:225 Resp: 782

Ion Ratio Lower Upper

225 100

223 67.5 31.1 93.2

227 60.5 32.5 97.5



#95

Naphthalene

Concen: 0.203 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX036332.D

Acq: 26 Jun 2023 16:29

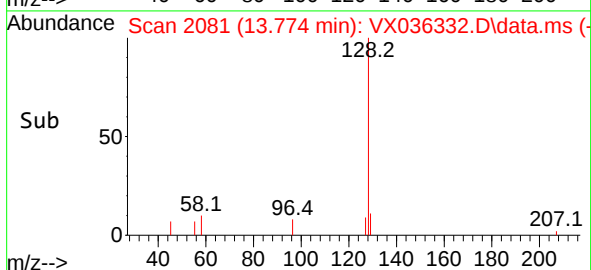
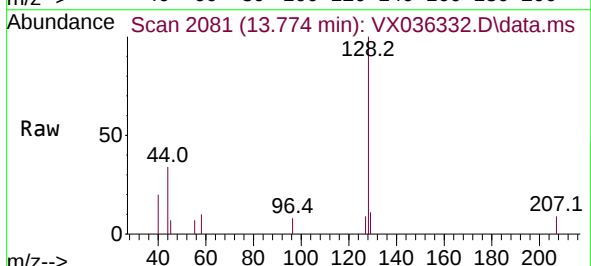
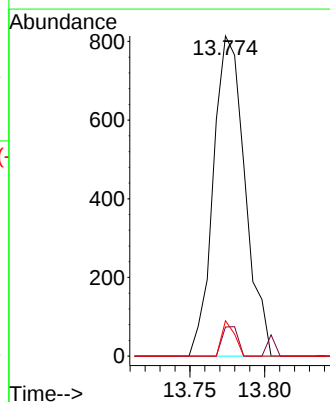
Tgt Ion:128 Resp: 1197

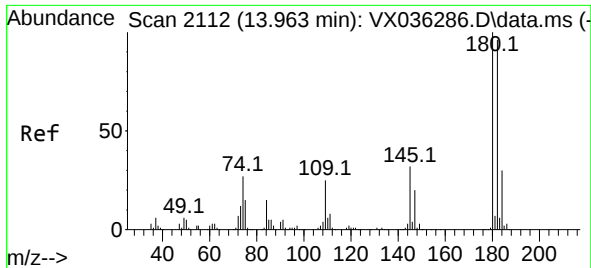
Ion Ratio Lower Upper

128 100

127 4.6 10.3 15.5#

129 4.4 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 0.210 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

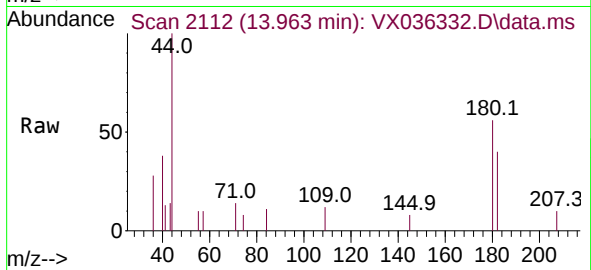
Lab File: VX036332.D

Acq: 26 Jun 2023 16:29

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 366

Ion Ratio Lower Upper

180 100

182 82.8 46.9 140.6

145 13.4 17.8 53.5#

