

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072224\
 Data File : VX042449.D
 Acq On : 22 Jul 2024 16:42
 Operator : JC/MD
 Sample : P3263-15
 Misc : 5.24g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 23 05:16:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML070324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 20 01:45:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	543	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.061	117	918	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.030	152	959	50.000	ug/L	0.01

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.154	65	47	14.871	ug/L	-0.21
Spiked Amount	50.000	Range	60 - 135	Recovery	=	29.740%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	0.000	65	0	0.000	ug/L	
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.000%#
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.000%#
24) Chloroform-d	0.000	84	0	0.000	ug/L	
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.000%#
26) 1,2-Dichloroethane-d4	5.976	65	139	37.058	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.120%
32) Benzene-d6	5.970	84	121	5.099	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	10.200%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	50.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	8.659	98	1050	47.485	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.980%
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.000%#
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	11.195	84	146	13.830	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	27.660%#
66) 1,2-Dichlorobenzene-d4	12.323	152	503	27.004	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	54.000%#

Target Compounds						Qvalue
3) Chloromethane	1.294	50	297	75.669	ug/L	# 41
5) Vinyl chloride	1.636	62	44	11.397	ug/L	# 1
6) Bromomethane	1.593	94	68	32.326	ug/L	87
8) Chloroethane	1.684	64	147	76.394	ug/L	# 43
13) Acetone	2.422	43	2058	1324.511	ug/L	96
15) Methyl Acetate	2.721	43	29059	7360.676	ug/L	99
16) Methylene chloride	2.782	84	1027	253.798	ug/L	94
22) 2-Butanone	4.647	43	49	18.840	ug/L	# 47
34) Trichloroethene	7.128	95	95	14.128	ug/L	# 53
40) 4-Methyl-2-pentanone	8.762	43	285	30.336	ug/L	# 51
42) Toluene	8.732	91	542	19.787	ug/L	87
44) trans-1,3-Dichloropropene	8.909	75	76	8.740	ug/L	# 43
46) Tetrachloroethene	9.274	164	10389	1650.564	ug/L	97
48) 2-Hexanone	9.482	43	20	2.711	ug/L	# 36
49) Dibromochloromethane	9.323	129	32	4.458	ug/L	# 11
52) Ethylbenzene	10.305	91	201	6.753	ug/L	91
53) m,p-Xylene	10.311	106	62	5.175	ug/L	# 43
60) Isopropylbenzene	11.768	105	2129	35.458	ug/L	# 1
61) 1,2,3-Trichloropropane	11.439	75	453	26.602	ug/L	# 36

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Quant Time: Jul 23 05:16:51 2024
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Quant Title : VOC Analysis
QLast Update : Sat Jul 20 01:45:50 2024
Response via : Initial Calibration

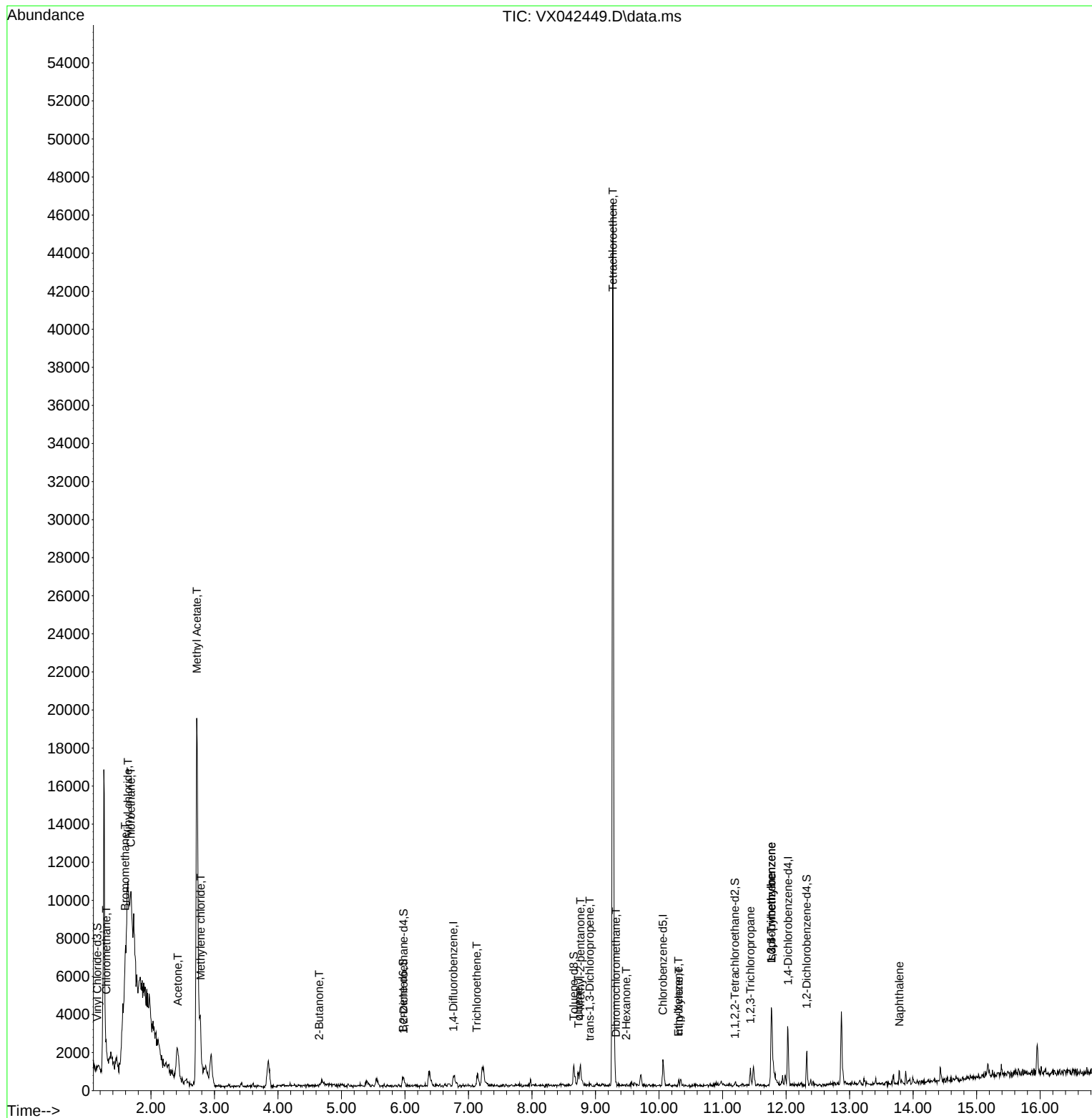
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.768	105	2129	46.631	ug/L #	27
63) 1,2,4-Trimethylbenzene	11.768	105	2129	43.511	ug/L #	29
71) Naphthalene	13.786	128	259	4.210	ug/L #	69

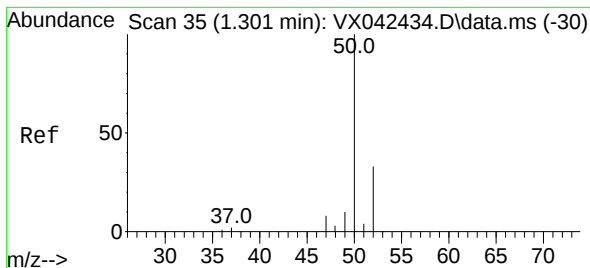
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 23 05:16:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML070324WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 20 01:45:50 2024
Response via : Initial Calibration





#3

Chloromethane

Concen: 75.669 ug/L

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Instrument :

MSVOA_X

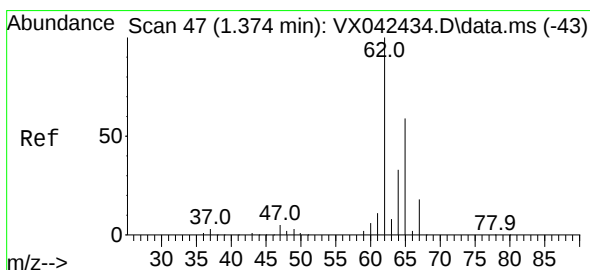
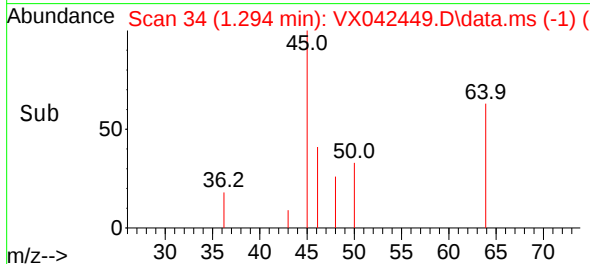
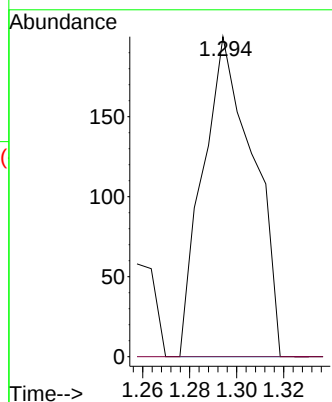
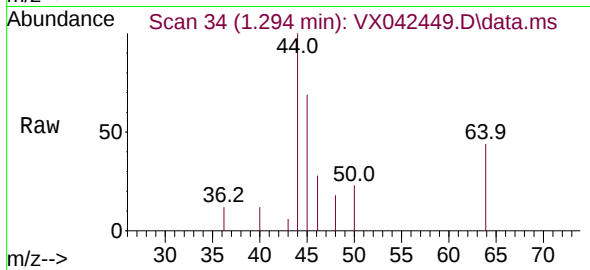
ClientSampleId :

Tgt Ion: 50 Resp: 297

Ion Ratio Lower Upper

50 100

52 0.0 23.5 43.7#



#5

Vinyl chloride

Concen: 11.397 ug/L

RT: 1.636 min Scan# 90

Delta R.T. 0.262 min

Lab File: VX042449.D

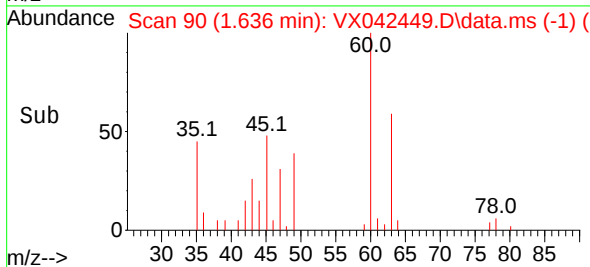
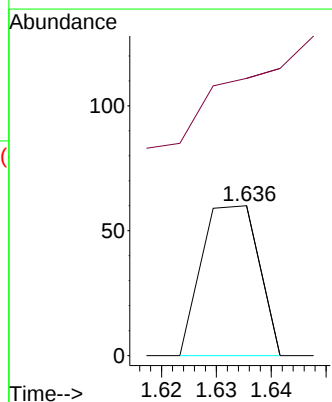
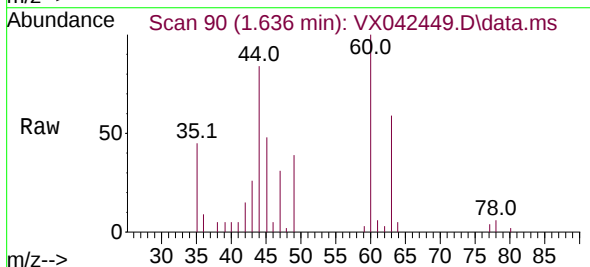
Acq: 22 Jul 2024 16:42

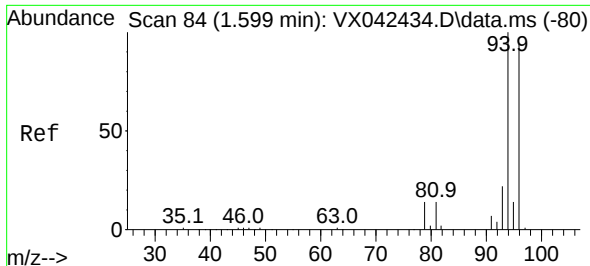
Tgt Ion: 62 Resp: 44

Ion Ratio Lower Upper

62 100

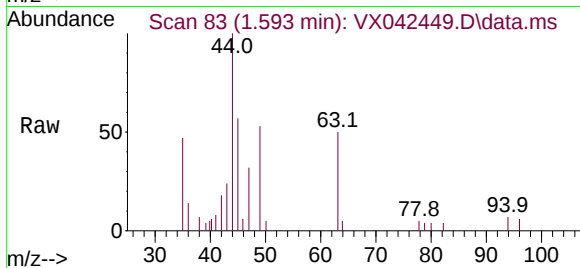
64 185.0 23.2 43.0#



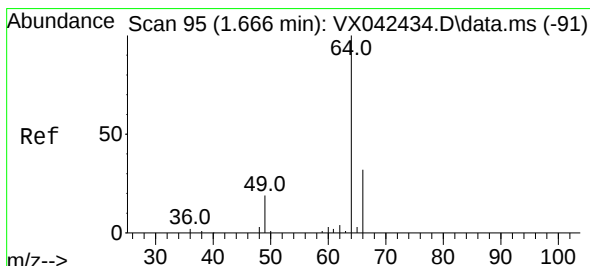
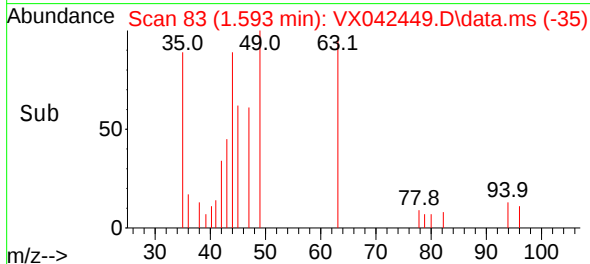
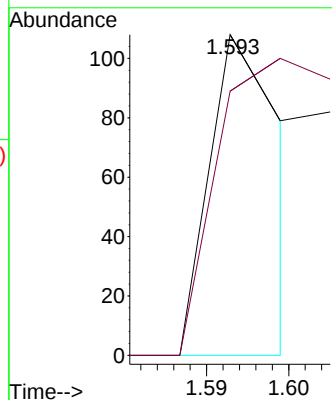


#6
Bromomethane
Concen: 32.326 ug/L
RT: 1.593 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX042449.D
Acq: 22 Jul 2024 16:42

Instrument :
MSVOA_X
ClientSampleId :

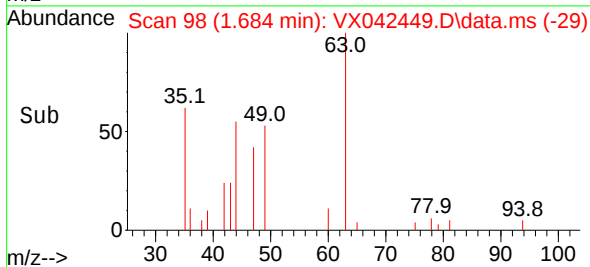
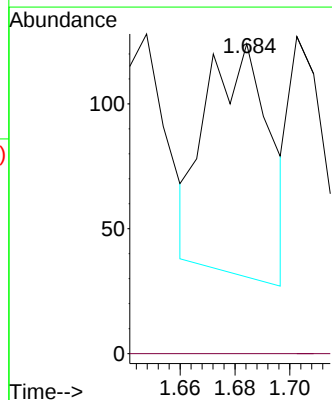
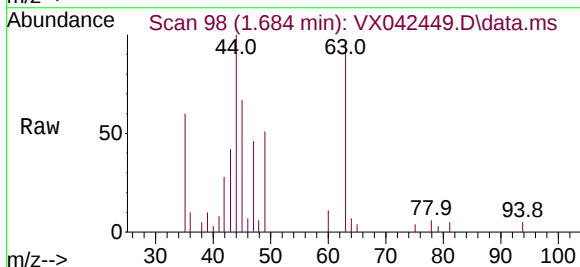


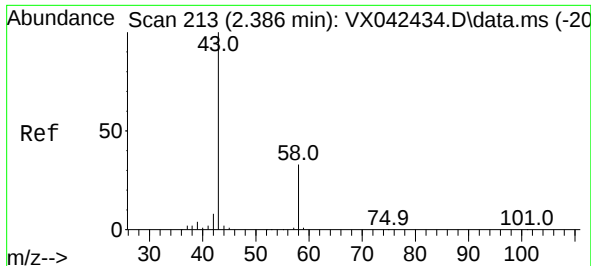
Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 82.4 66.4 123.4



#8
Chloroethane
Concen: 76.394 ug/L
RT: 1.684 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX042449.D
Acq: 22 Jul 2024 16:42

Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 22.5 41.7#

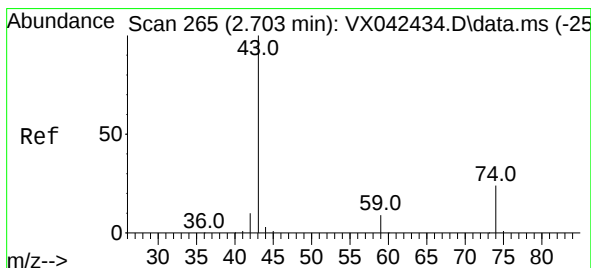
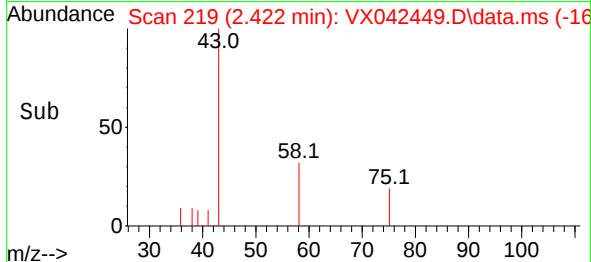
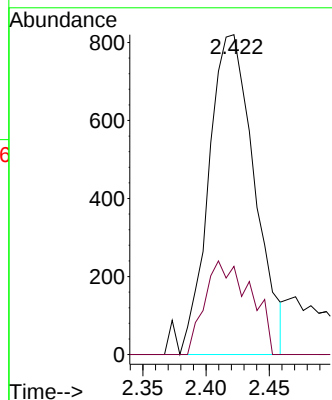
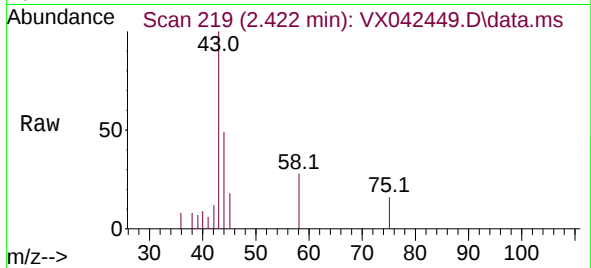




#13
Acetone
Concen: 1324.511 ug/L
RT: 2.422 min Scan# 213
Delta R.T. 0.036 min
Lab File: VX042449.D
Acq: 22 Jul 2024 16:42

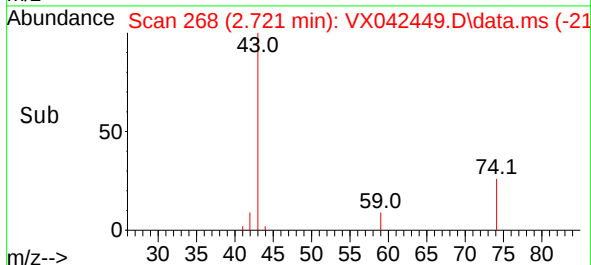
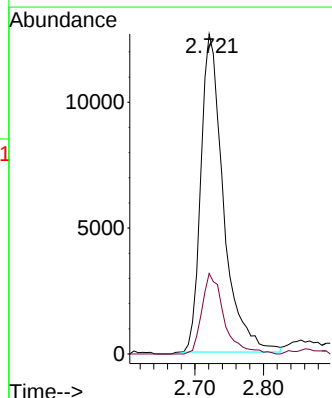
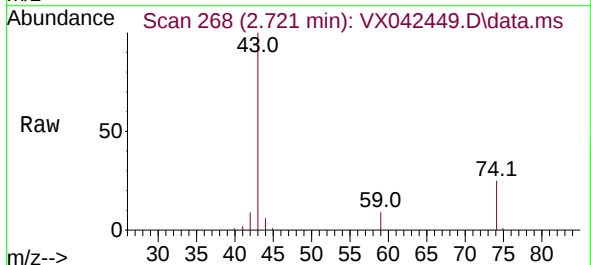
Instrument :
MSVOA_X
ClientSampleId :

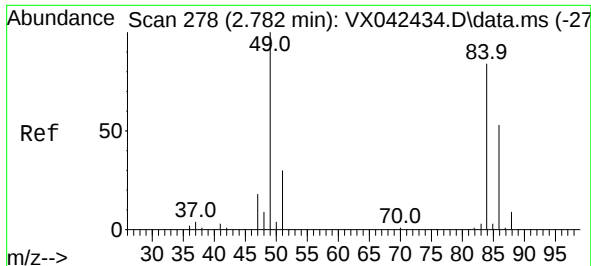
Tgt Ion: 43 Resp: 2058
Ion Ratio Lower Upper
43 100
58 29.3 0.0 62.6



#15
Methyl Acetate
Concen: 7360.676 ug/L
RT: 2.721 min Scan# 268
Delta R.T. 0.018 min
Lab File: VX042449.D
Acq: 22 Jul 2024 16:42

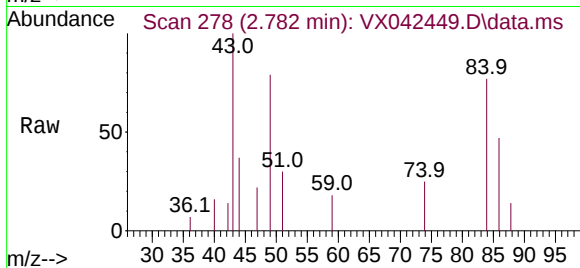
Tgt Ion: 43 Resp: 29059
Ion Ratio Lower Upper
43 100
74 24.4 20.1 30.1





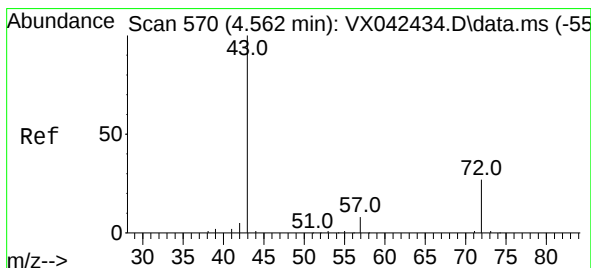
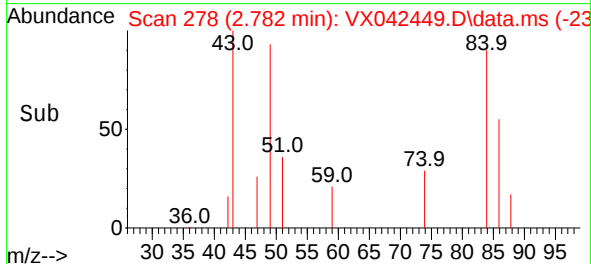
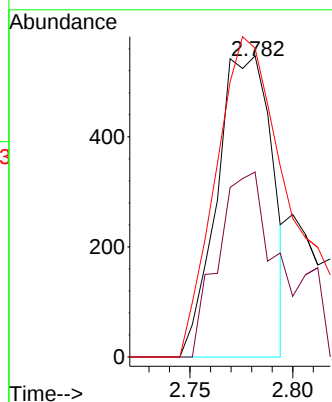
#16
Methylene chloride
Concen: 253.798 ug/L
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042449.D
Acq: 22 Jul 2024 16:42

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1027

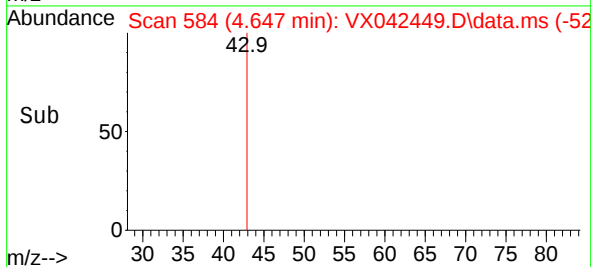
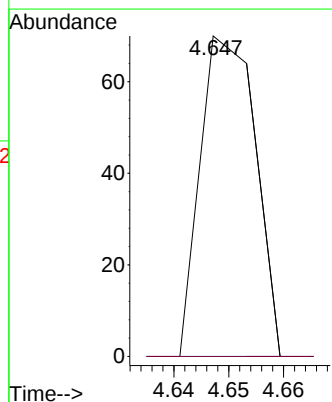
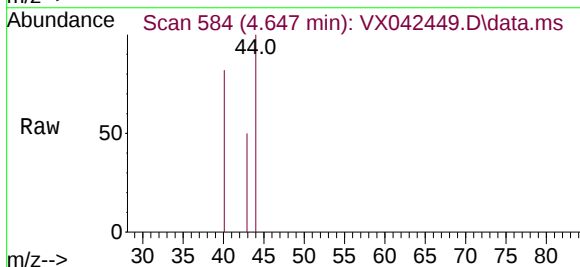
Ion	Ratio	Lower	Upper
84	100		
86	61.4	45.7	84.9
49	102.6	76.4	141.8

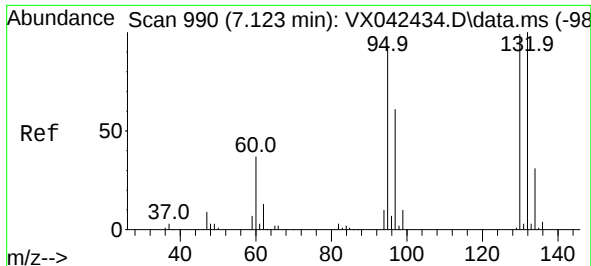


#22
2-Butanone
Concen: 18.840 ug/L
RT: 4.647 min Scan# 584
Delta R.T. 0.085 min
Lab File: VX042449.D
Acq: 22 Jul 2024 16:42

Tgt Ion: 43 Resp: 49

Ion	Ratio	Lower	Upper
43	100		
72	0.0	13.7	41.1#





#34

Trichloroethene

Concen: 14.128 ug/L

RT: 7.128 min Scan# 990

Delta R.T. 0.006 min

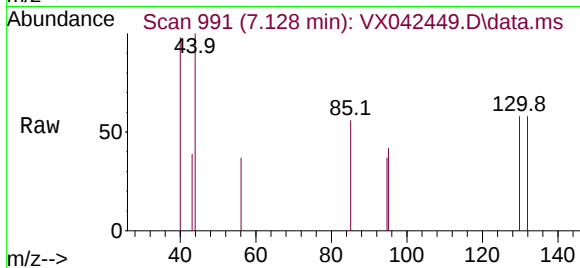
Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

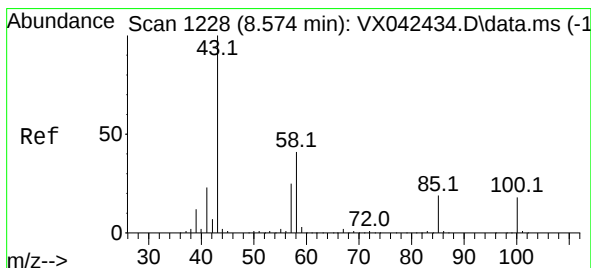
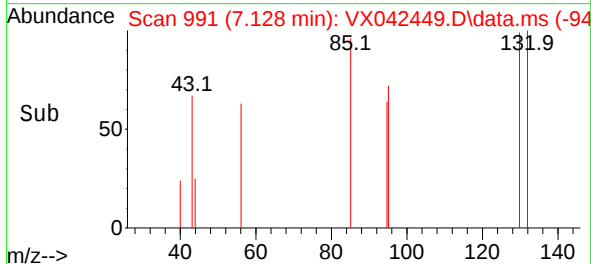
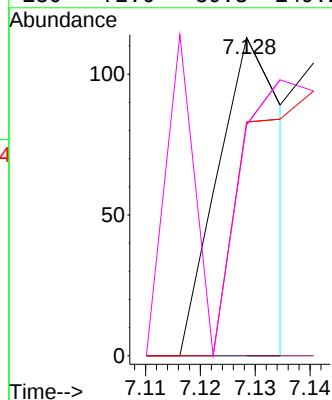
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	95	Resp:	95
Ion	Ratio	Lower	Upper
95	100		
97	0.0	45.1	83.7#
132	73.5	77.2	143.4#
130	72.6	80.3	149.1#



#40

4-Methyl-2-pentanone

Concen: 30.336 ug/L

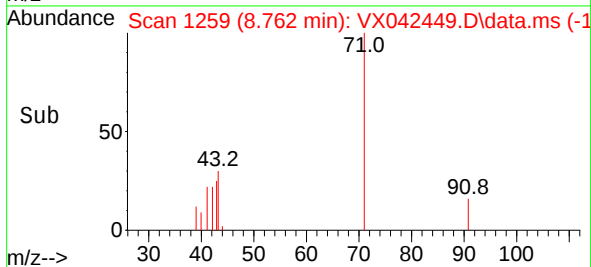
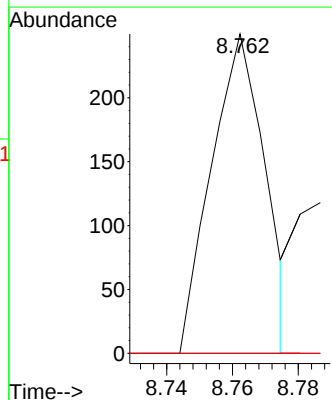
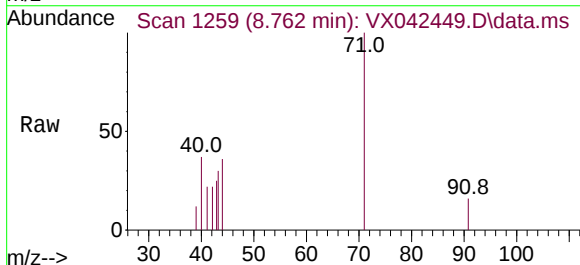
RT: 8.762 min Scan# 1259

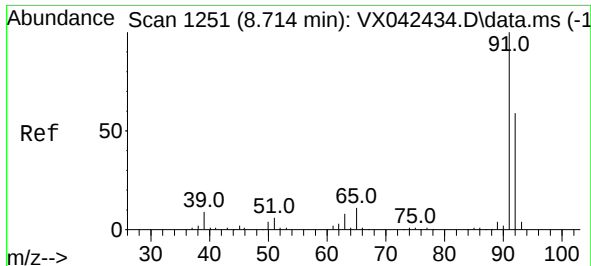
Delta R.T. 0.189 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Tgt Ion:	43	Resp:	285
Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.7	50.5#
100	14.4	15.4	23.2#





#42

Toluene

Concen: 19.787 ug/L

RT: 8.732 min Scan# 1254

Delta R.T. 0.018 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Instrument :

MSVOA_X

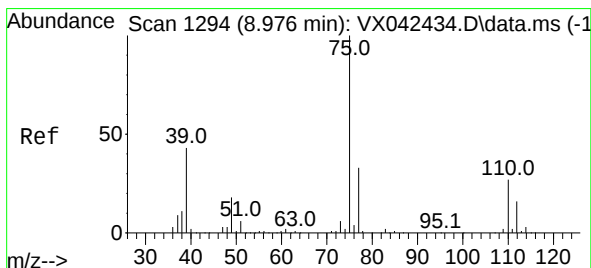
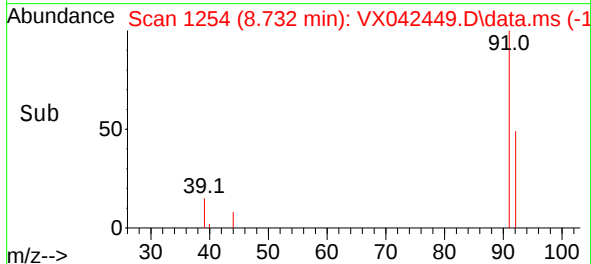
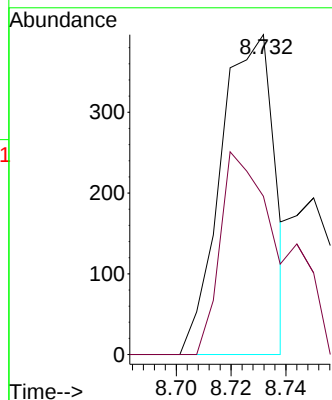
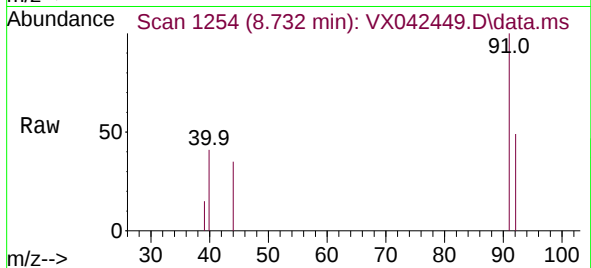
ClientSampleId :

Tgt Ion: 91 Resp: 542

Ion Ratio Lower Upper

91 100

92 49.5 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 8.740 ug/L

RT: 8.909 min Scan# 1283

Delta R.T. -0.067 min

Lab File: VX042449.D

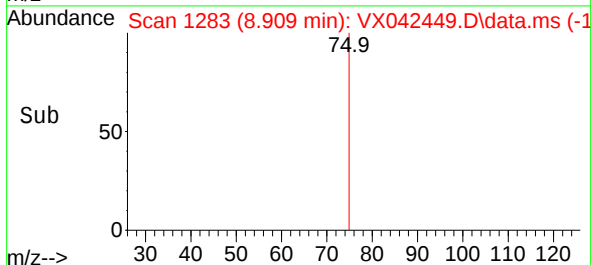
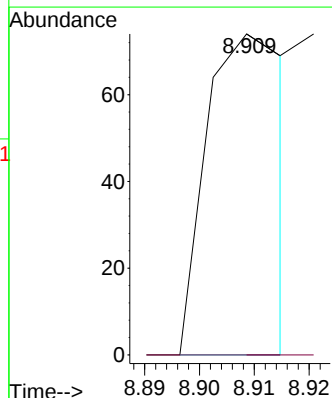
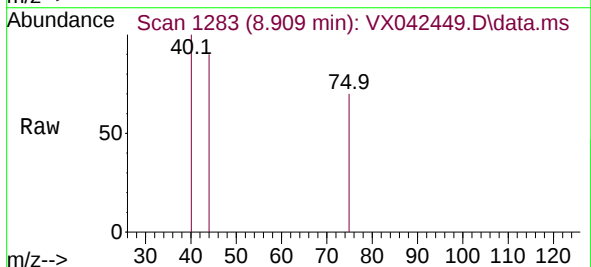
Acq: 22 Jul 2024 16:42

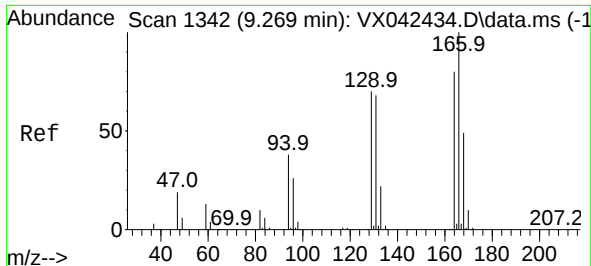
Tgt Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

77 0.0 22.2 41.2#





#46

Tetrachloroethene

Concen: 1650.564 ug/L

RT: 9.274 min Scan# 11

Delta R.T. 0.006 min

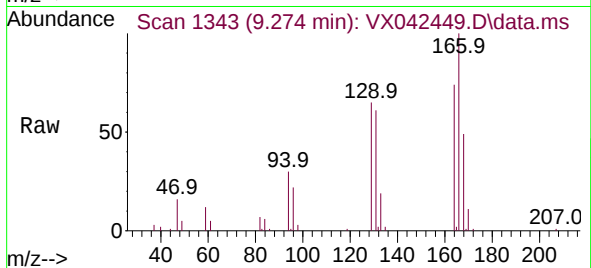
Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 10389

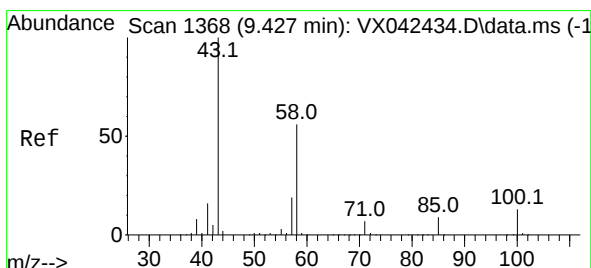
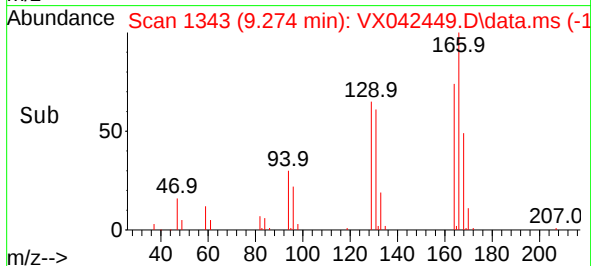
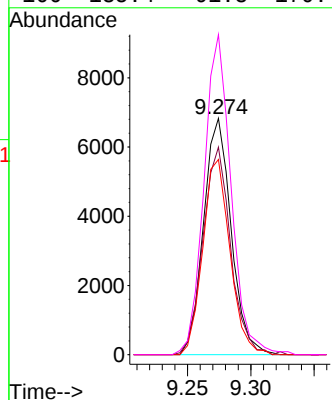
Ion Ratio Lower Upper

164 100

129 87.8 58.6 108.8

131 82.6 57.9 107.5

166 135.4 91.8 170.4



#48

2-Hexanone

Concen: 2.711 ug/L

RT: 9.482 min Scan# 1377

Delta R.T. 0.048 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Tgt Ion: 43 Resp: 20

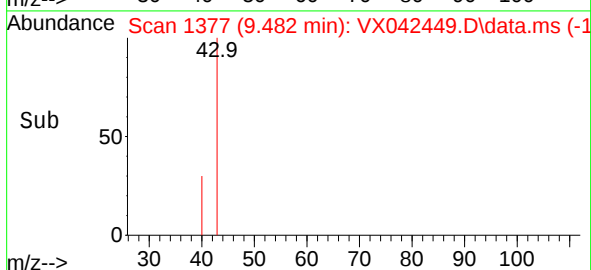
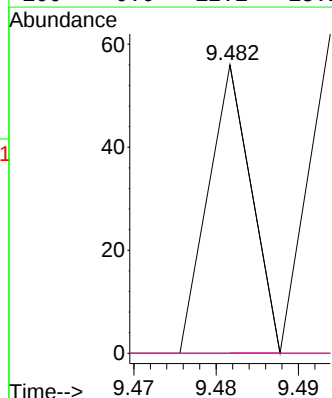
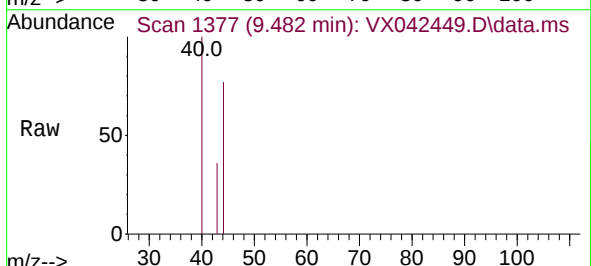
Ion Ratio Lower Upper

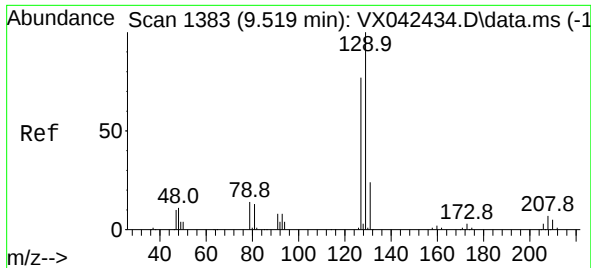
43 100

58 0.0 46.4 69.6#

57 0.0 16.3 24.5#

100 0.0 12.1 18.1#





#49

Dibromochloromethane

Concen: 4.458 ug/L

RT: 9.323 min Scan# 14

Delta R.T. -0.195 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Instrument :

MSVOA_X

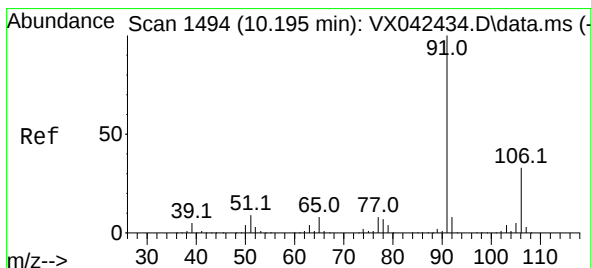
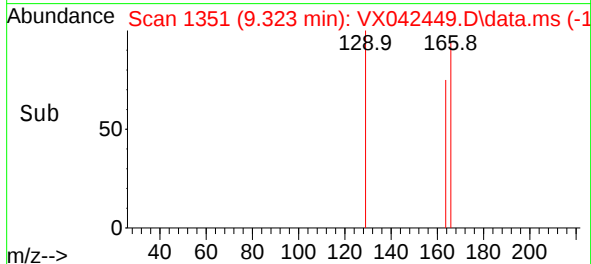
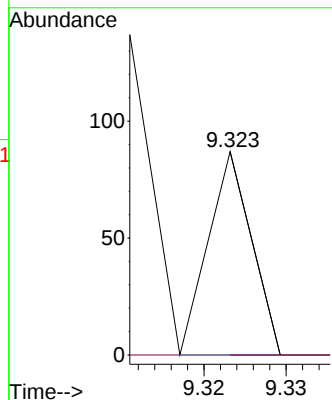
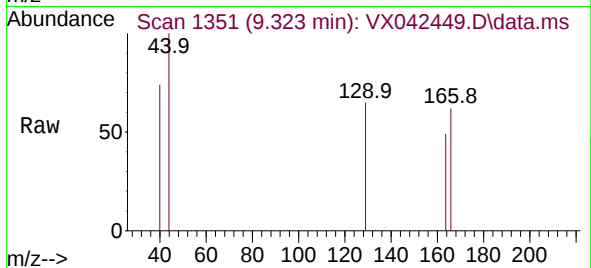
ClientSampleId :

Tgt Ion:129 Resp: 32

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#



#52

Ethylbenzene

Concen: 6.753 ug/L

RT: 10.305 min Scan# 1512

Delta R.T. 0.116 min

Lab File: VX042449.D

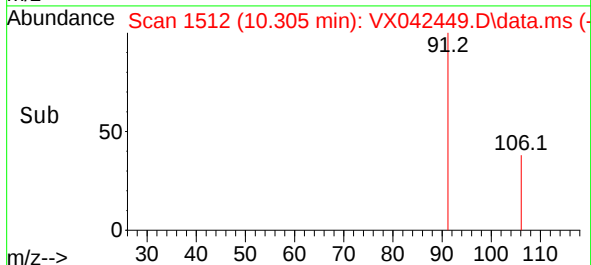
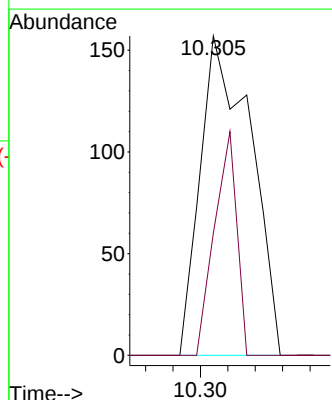
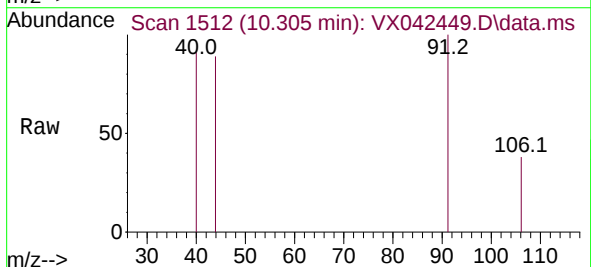
Acq: 22 Jul 2024 16:42

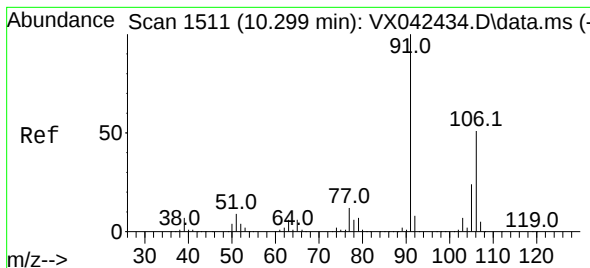
Tgt Ion: 91 Resp: 201

Ion Ratio Lower Upper

91 100

106 38.2 23.1 42.9





#53

m,p-Xylene

Concen: 5.175 ug/L

RT: 10.311 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Instrument :

MSVOA_X

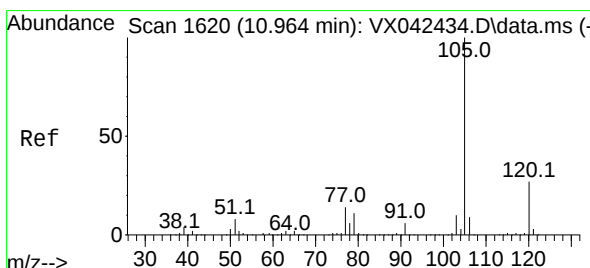
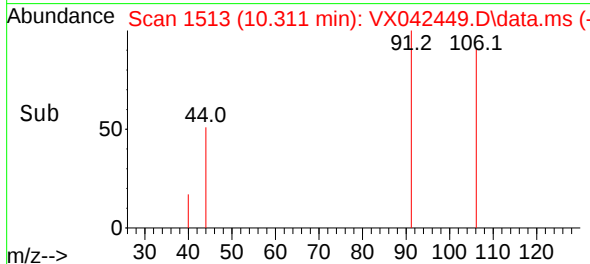
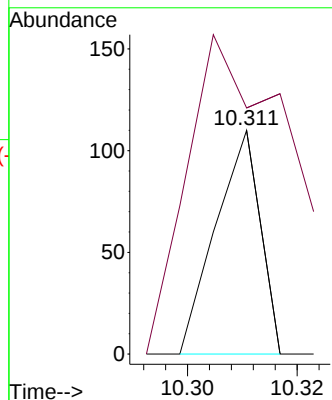
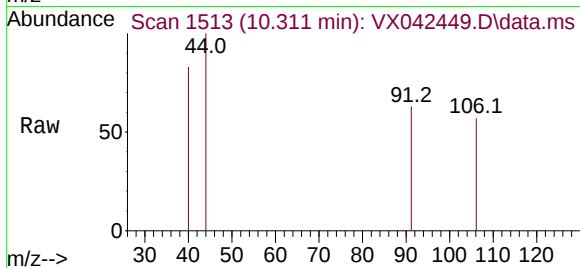
ClientSampleId :

Tgt Ion:106 Resp: 62

Ion Ratio Lower Upper

106 100

91 110.0 136.4 253.2#



#60

Isopropylbenzene

Concen: 35.458 ug/L

RT: 11.768 min Scan# 1752

Delta R.T. 0.804 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

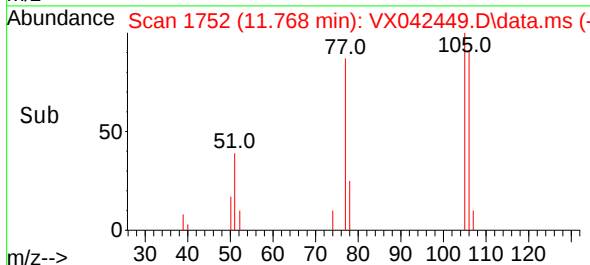
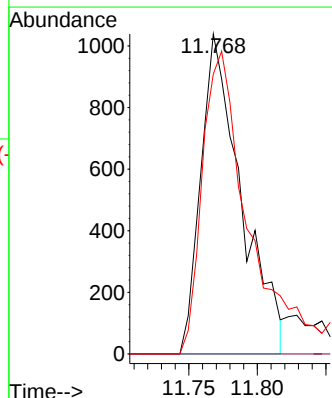
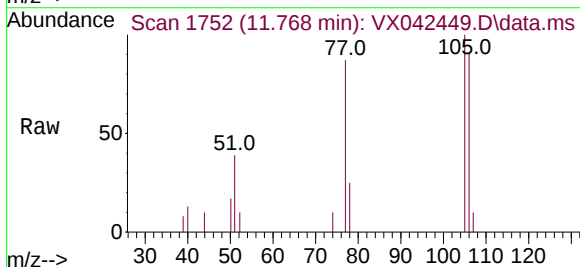
Tgt Ion:105 Resp: 2129

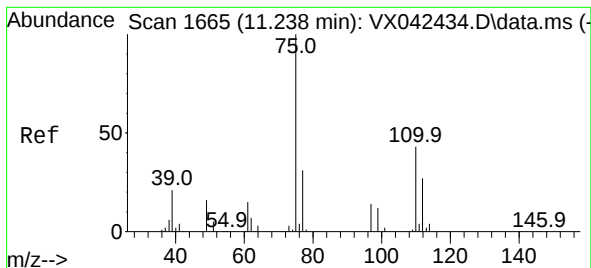
Ion Ratio Lower Upper

105 100

120 0.0 22.0 33.0#

77 95.8 11.0 16.6#





#61

1,2,3-Trichloropropane

Concen: 26.602 ug/L

RT: 11.439 min Scan# 1

Delta R.T. 0.201 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

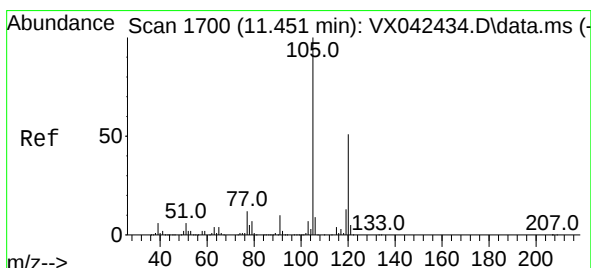
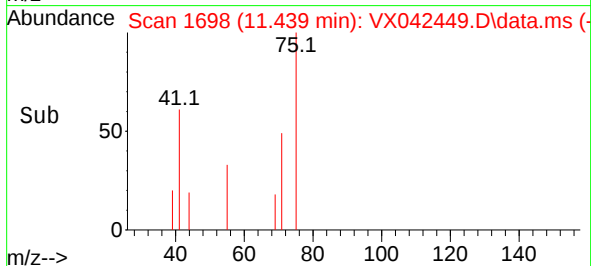
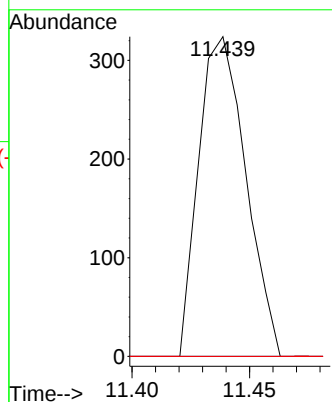
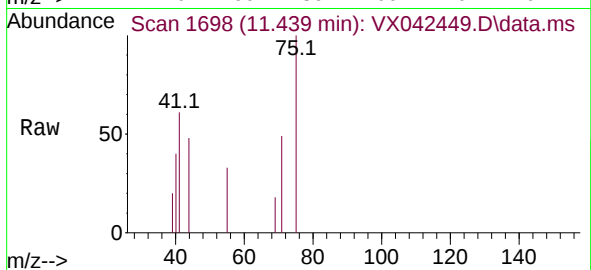
Tgt Ion: 75 Resp: 453

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

110 0.0 35.4 53.0#



#62

1,3,5-Trimethylbenzene

Concen: 46.631 ug/L

RT: 11.768 min Scan# 1752

Delta R.T. 0.317 min

Lab File: VX042449.D

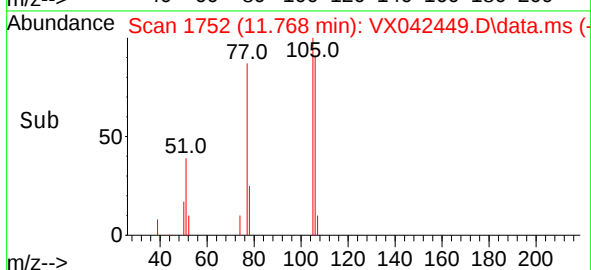
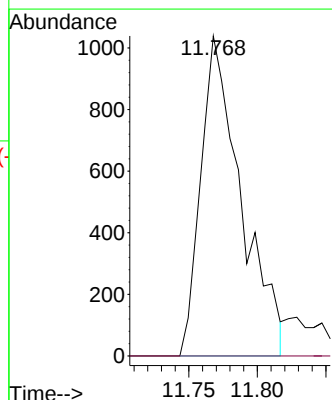
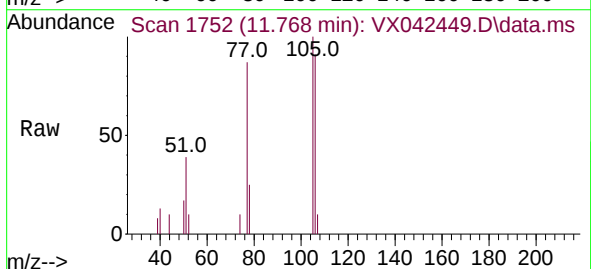
Acq: 22 Jul 2024 16:42

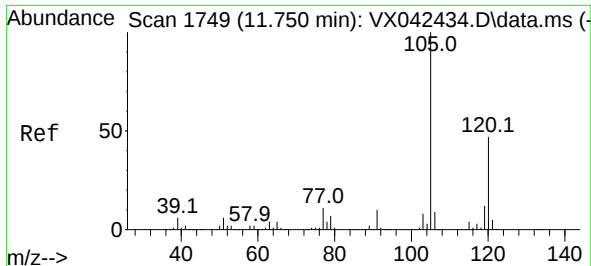
Tgt Ion:105 Resp: 2129

Ion Ratio Lower Upper

105 100

120 0.0 40.9 61.3#





#63

1,2,4-Trimethylbenzene

Concen: 43.511 ug/L

RT: 11.768 min Scan# 1752

Delta R.T. 0.018 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Instrument :

MSVOA_X

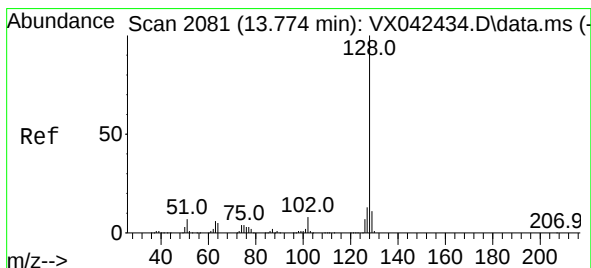
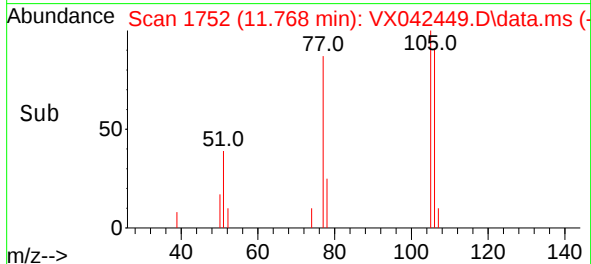
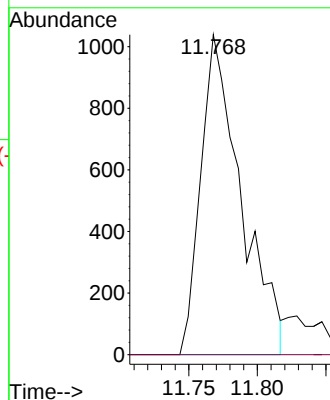
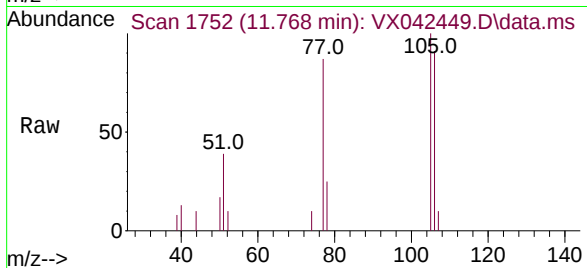
ClientSampleId :

Tgt Ion:105 Resp: 2129

Ion Ratio Lower Upper

105 100

120 0.0 38.4 57.6#



#71

Naphthalene

Concen: 4.210 ug/L

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX042449.D

Acq: 22 Jul 2024 16:42

Tgt Ion:128 Resp: 259

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.9 13.3#

