

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011524\
 Data File : VW033632.D
 Acq On : 15 Jan 2024 11:05
 Operator : SY/MD
 Sample : P1108-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 16 03:43:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 16 03:40:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	125267	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	116999	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	60319	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	30416	4.440	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.800%
7) Chloroethane-d5	1.535	69	28989	4.772	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.059	65	14997	4.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.200%
20) 2-Butanone-d5	3.802	46	78449	46.841	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.680%
24) Chloroform-d	4.252	84	71383	4.819	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	4.947	65	33401	5.029	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	4.963	84	137442	4.869	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	5.992	67	45014	4.783	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.246	98	122165	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	7.561	79	14597	4.486	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.800%
46) 2-Hexanone-d5	8.027	63	62496	48.920	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.840%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	27269	4.958	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	45781	4.943	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	5054	0.388	ug/L #	72
8) Chloroethane	1.285	64	1786	0.226	ug/L	92
15) Methyl Acetate	2.442	43	16225	4.993	ug/L #	56
19) 1,1-Dichloroethane	3.117	63	6365	0.321	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	32157	3.079	ug/L	99
27) 1,2-Dichloroethane	5.059	62	3160	0.305	ug/L #	73
30) Cyclohexane	4.587	56	12912	0.649	ug/L	96
33) Benzene	5.018	78	17559	0.423	ug/L	100
34) Trichloroethene	5.847	95	4466	0.404	ug/L	91
35) Methylcyclohexane	6.046	83	3553	0.190	ug/L #	29
37) 1,2-Dichloropropane	6.114	63	600	0.058	ug/L #	1
38) Bromodichloromethane	6.484	83	2511	0.200	ug/L #	25
39) cis-1,3-Dichloropropene	6.924	75	1124	0.076	ug/L #	44
42) Toluene	7.333	91	3627	0.083	ug/L	87
45) 1,1,2-Trichloroethane	7.718	97	3201	0.559	ug/L #	19
51) Chlorobenzene	8.812	112	314800	11.697	ug/L	99
53) m,p-Xylene	9.082	106	1253	0.067	ug/L	96
60) Isopropylbenzene	9.869	105	10191	0.214	ug/L #	84
61) 1,2,3-Trichloropropane	11.117	75	8747	1.809	ug/L #	51

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Misc : 25.0mL/MSVOA_V/WATER
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Instrument :
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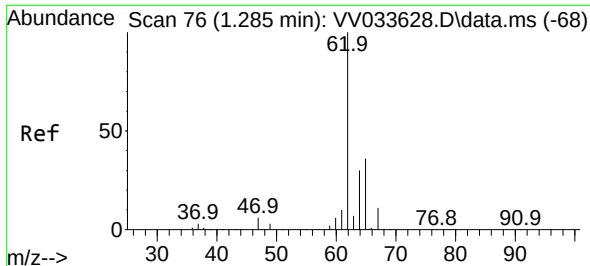
Quant Time: Jan 16 03:43:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 16 03:40:53 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.857	105	2941	0.071	ug/L	90
64) 1,3-Dichlorobenzene	11.120	146	24266	1.150	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	41467	2.006	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	6916	0.377	ug/L	96

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

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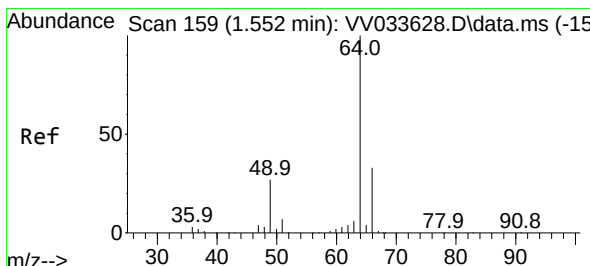
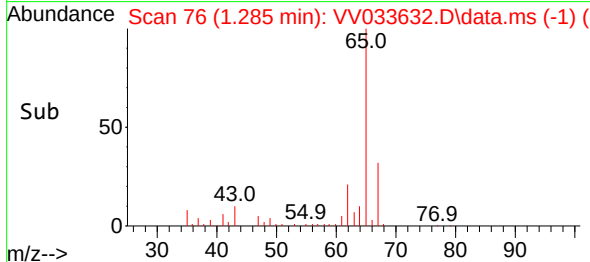
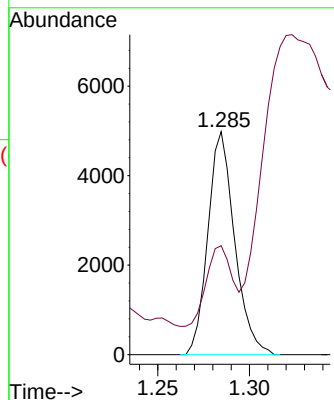
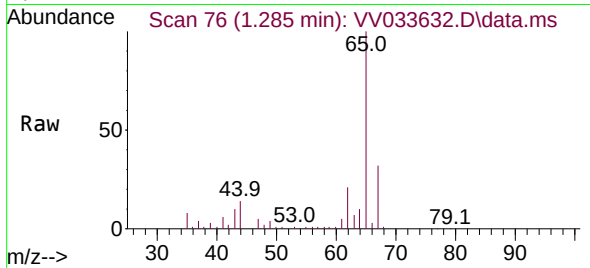




#5
 Vinyl chloride
 Concen: 0.388 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033632.D
 Acq: 15 Jan 2024 11:05

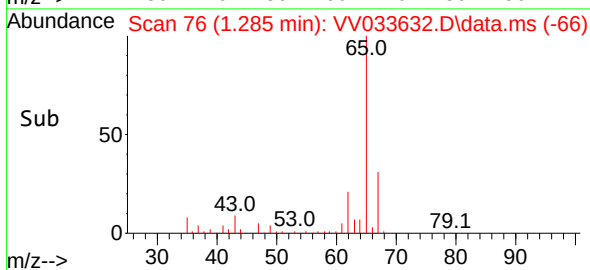
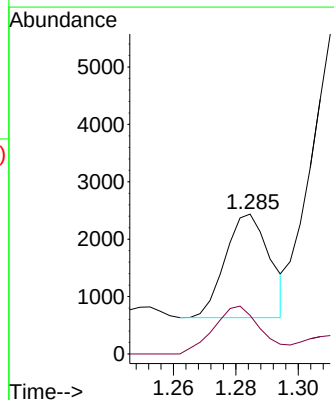
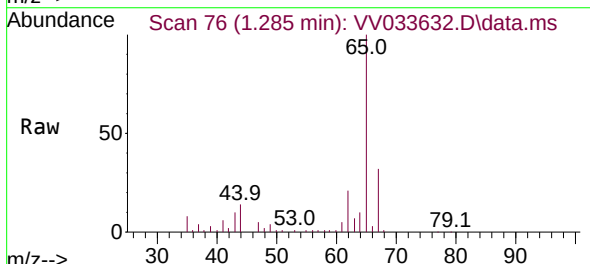
Instrument :
 MSVOA_V
 ClientSampleId :

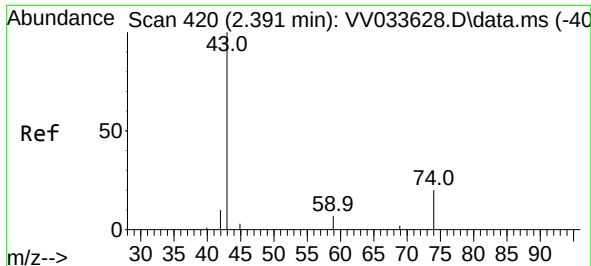
Tgt Ion: 62 Resp: 5054
 Ion Ratio Lower Upper
 62 100
 64 48.9 23.0 42.8#



#8
 Chloroethane
 Concen: 0.226 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.267 min
 Lab File: VV033632.D
 Acq: 15 Jan 2024 11:05

Tgt Ion: 64 Resp: 1786
 Ion Ratio Lower Upper
 64 100
 66 27.6 22.6 42.0

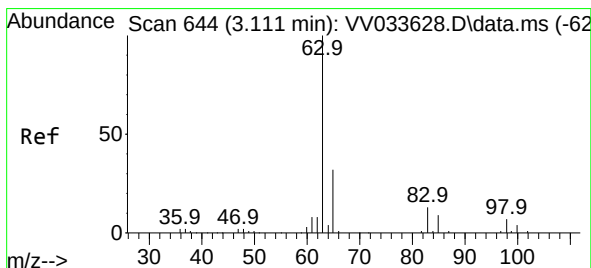
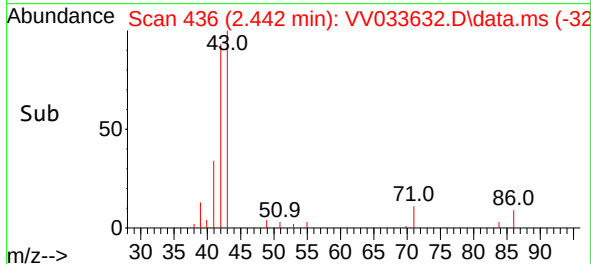
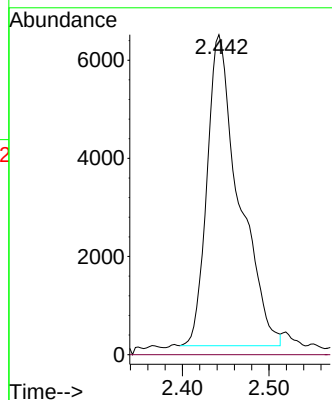
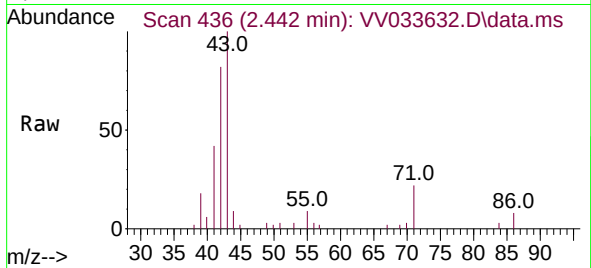




#15
Methyl Acetate
Concen: 4.993 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.051 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

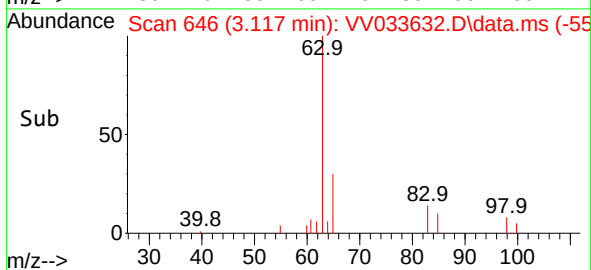
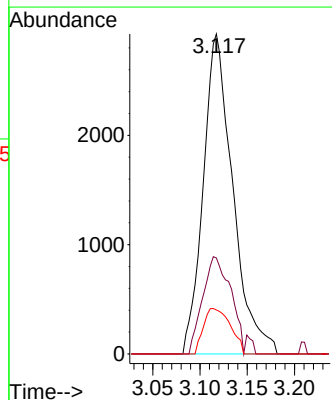
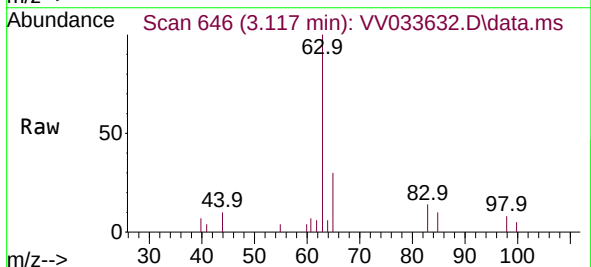
Instrument :
MSVOA_V
ClientSampleId :

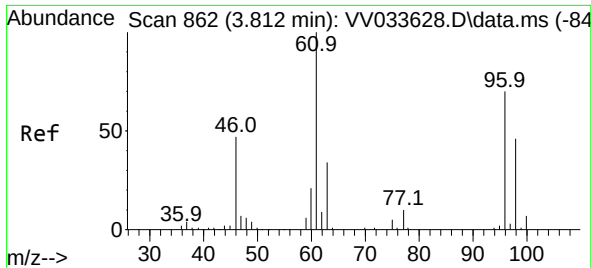
Tgt Ion: 43 Resp: 16225
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#19
1,1-Dichloroethane
Concen: 0.321 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.006 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

Tgt Ion: 63 Resp: 6365
Ion Ratio Lower Upper
63 100
65 30.0 21.6 40.2
83 13.7 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 3.079 ug/L

RT: 3.818 min Scan# 862

Delta R.T. 0.006 min

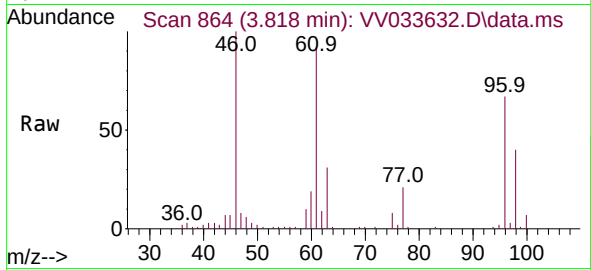
Lab File: VV033632.D

Acq: 15 Jan 2024 11:05

Instrument :

MSVOA_V

ClientSampleId :



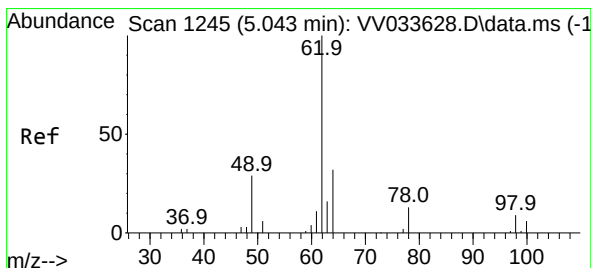
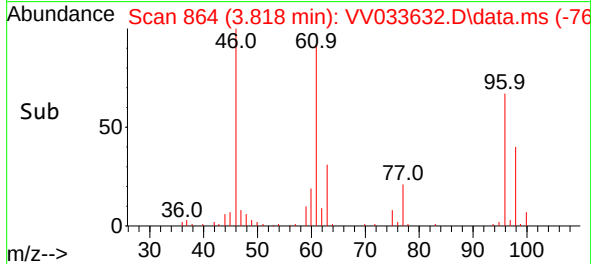
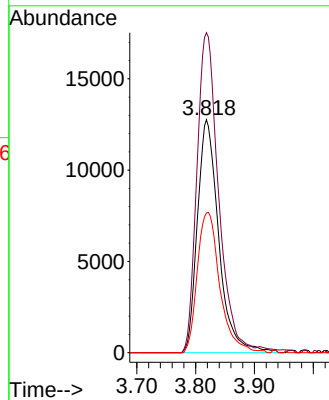
Tgt Ion: 96 Resp: 32157

Ion Ratio Lower Upper

96 100

61 137.4 97.1 180.3

98 60.0 42.6 79.0



#27

1,2-Dichloroethane

Concen: 0.305 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. 0.016 min

Lab File: VV033632.D

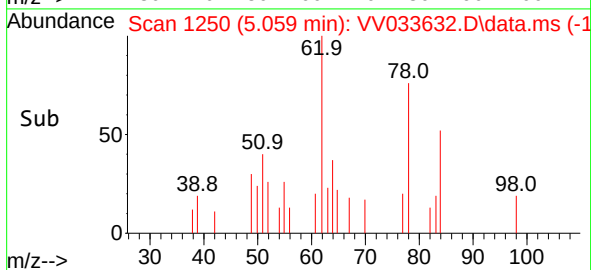
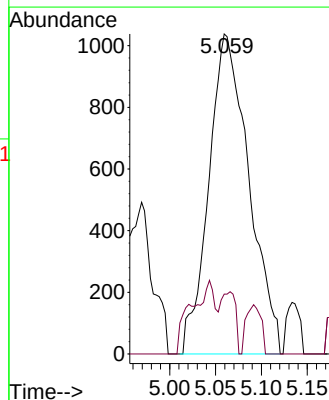
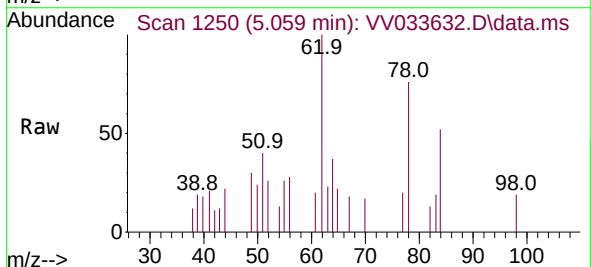
Acq: 15 Jan 2024 11:05

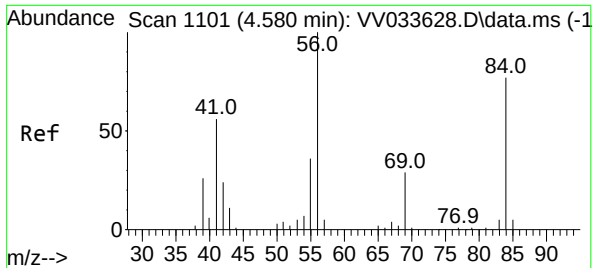
Tgt Ion: 62 Resp: 3160

Ion Ratio Lower Upper

62 100

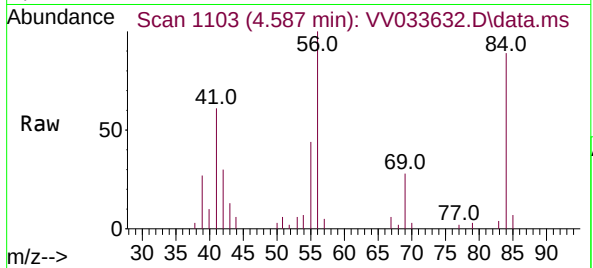
98 18.7 7.0 10.6#





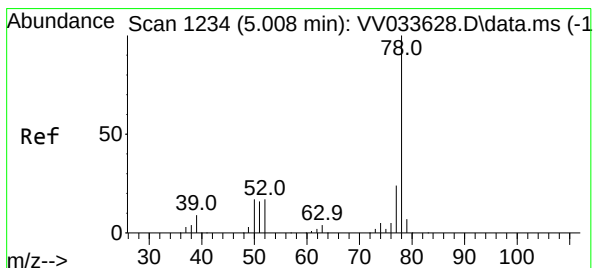
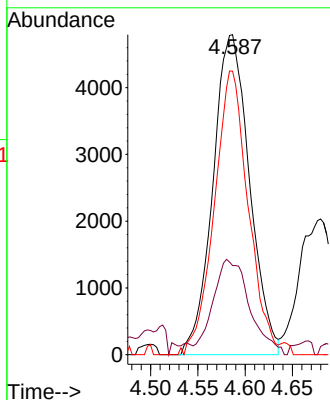
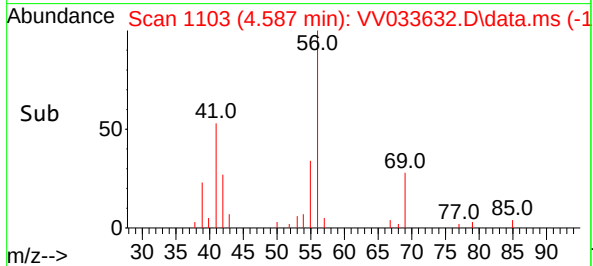
#30
Cyclohexane
Concen: 0.649 ug/L
RT: 4.587 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

Instrument :
MSVOA_V
ClientSampleId :



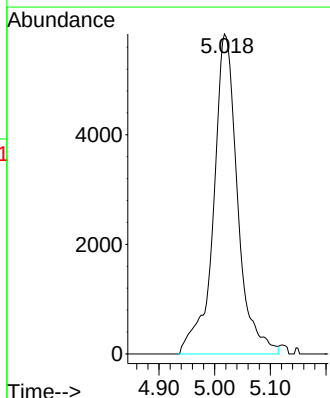
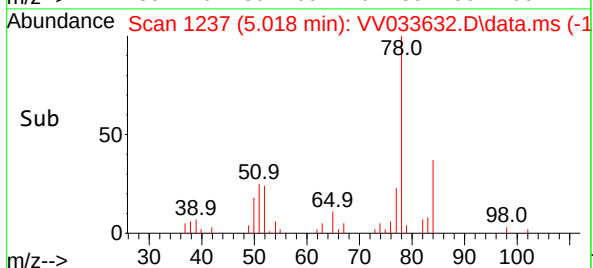
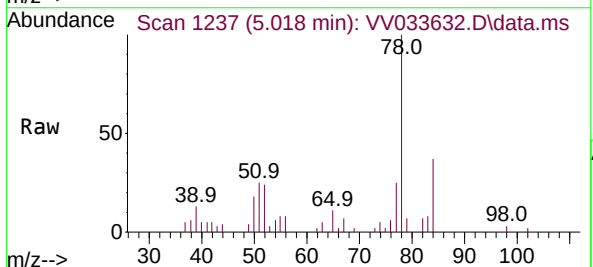
Tgt Ion: 56 Resp: 12912

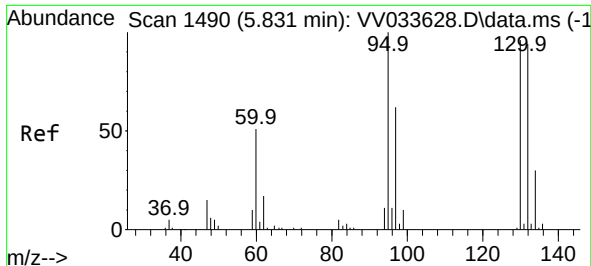
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.3	34.9
84	81.9	61.7	92.5



#33
Benzene
Concen: 0.423 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.010 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

Tgt Ion: 78 Resp: 17559



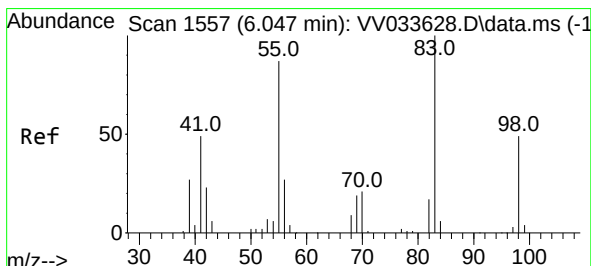
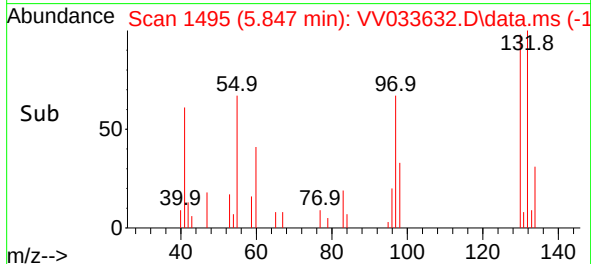
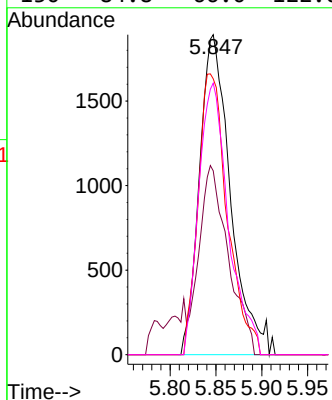
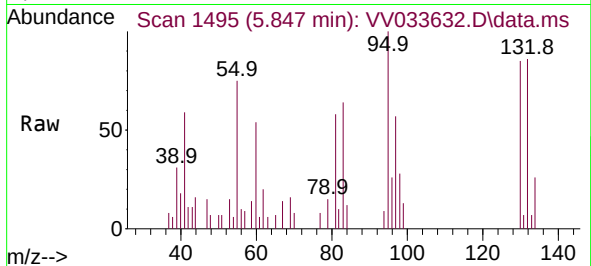


#34
 Trichloroethene
 Concen: 0.404 ug/L
 RT: 5.847 min Scan# 1495
 Delta R.T. 0.016 min
 Lab File: VV033632.D
 Acq: 15 Jan 2024 11:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 95 Resp: 4466

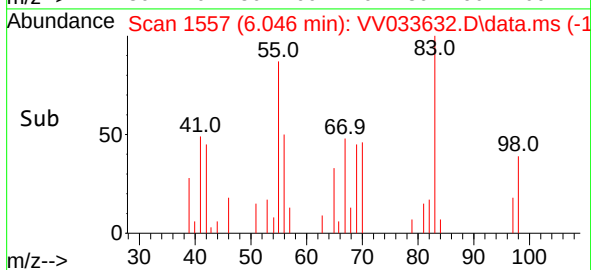
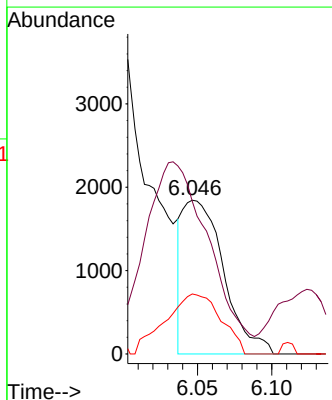
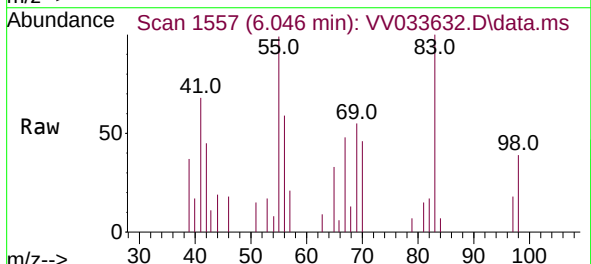
Ion	Ratio	Lower	Upper
95	100		
97	57.4	45.1	83.9
132	86.2	65.2	121.2
130	84.8	66.0	122.6

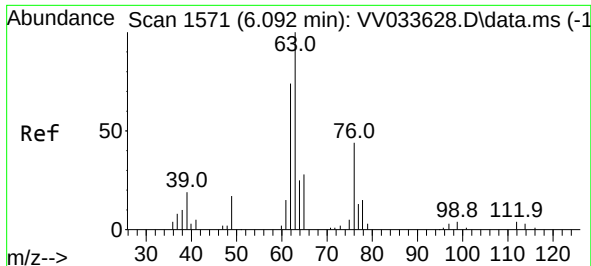


#35
 Methylcyclohexane
 Concen: 0.190 ug/L
 RT: 6.046 min Scan# 1557
 Delta R.T. -0.000 min
 Lab File: VV033632.D
 Acq: 15 Jan 2024 11:05

Tgt Ion: 83 Resp: 3553

Ion	Ratio	Lower	Upper
83	100		
55	183.2	68.7	103.1#
98	52.9	38.3	57.5





#37

1,2-Dichloropropane

Concen: 0.058 ug/L

RT: 6.114 min Scan# 1

Delta R.T. 0.022 min

Lab File: VV033632.D

Acq: 15 Jan 2024 11:05

Instrument :

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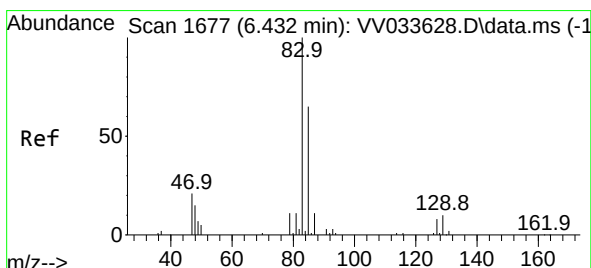
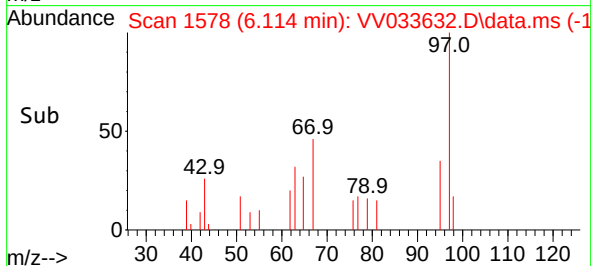
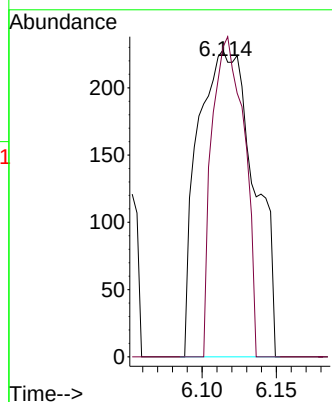
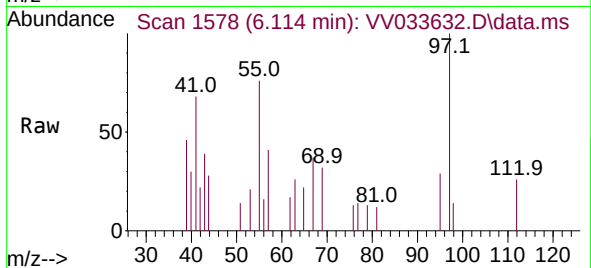
ClientSampleId :

Tgt Ion: 63 Resp: 600

Ion Ratio Lower Upper

63 100

112 59.5 3.4 5.2#



#38

Bromodichloromethane

Concen: 0.200 ug/L

RT: 6.484 min Scan# 1693

Delta R.T. 0.051 min

Lab File: VV033632.D

Acq: 15 Jan 2024 11:05

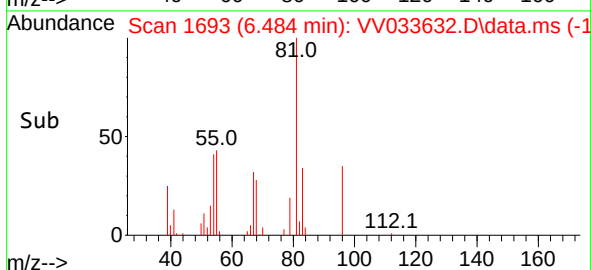
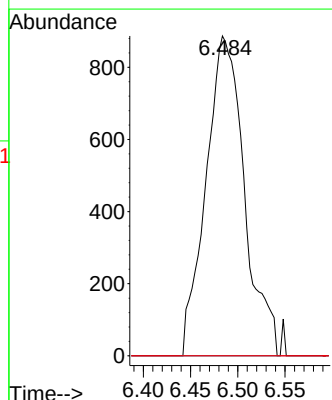
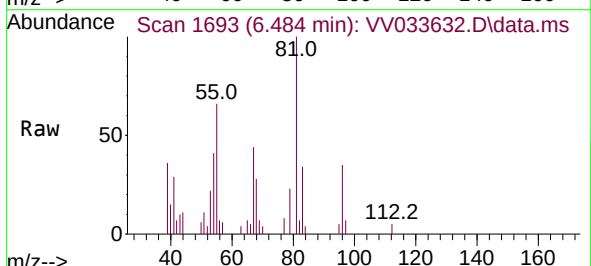
Tgt Ion: 83 Resp: 2511

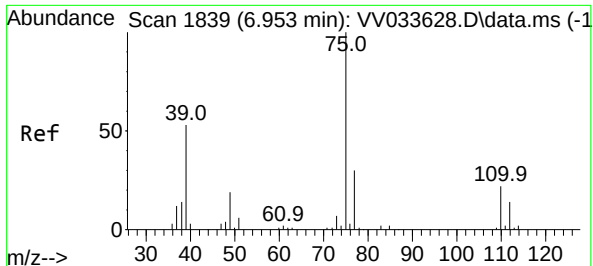
Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.9#

127 0.0 6.6 9.8#





#39

cis-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 6.924 min Scan# 1830

Delta R.T. -0.029 min

Lab File: VV033632.D

Acq: 15 Jan 2024 11:05

Instrument :

MSVOA_V

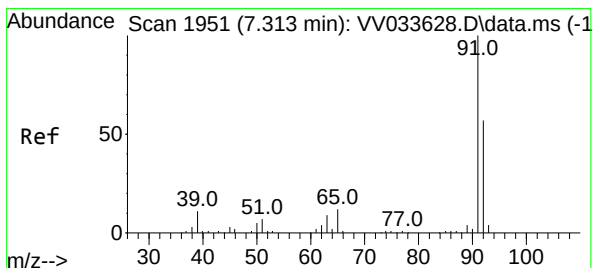
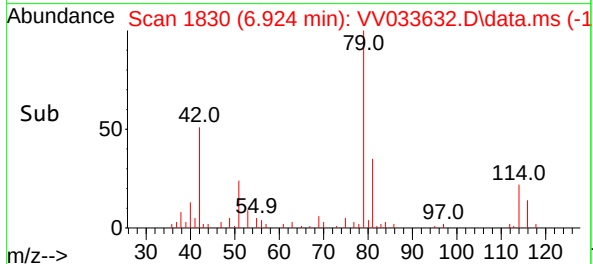
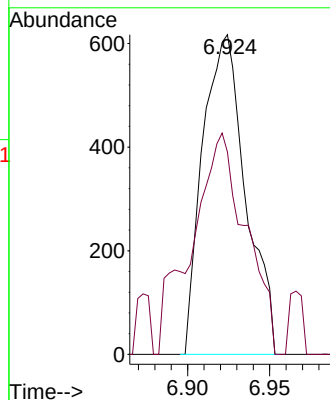
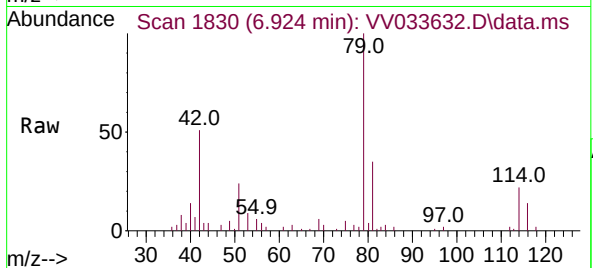
ClientSampleId :

Tgt Ion: 75 Resp: 1124

Ion Ratio Lower Upper

75 100

77 63.4 22.5 41.7#



#42

Toluene

Concen: 0.083 ug/L

RT: 7.333 min Scan# 1957

Delta R.T. 0.019 min

Lab File: VV033632.D

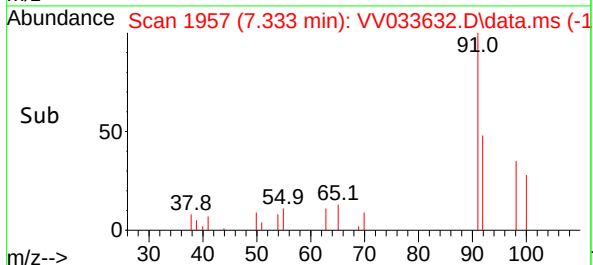
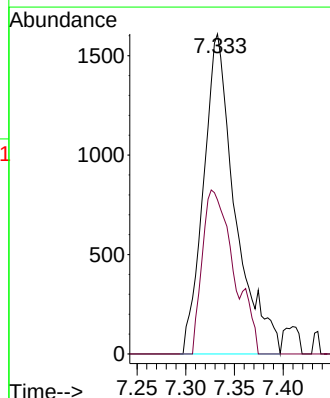
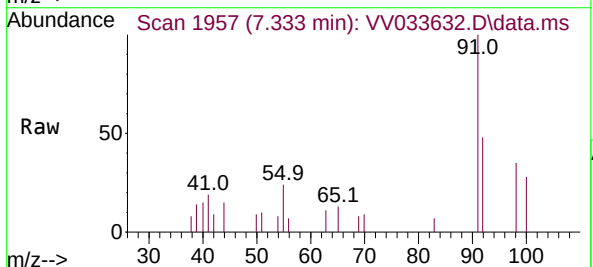
Acq: 15 Jan 2024 11:05

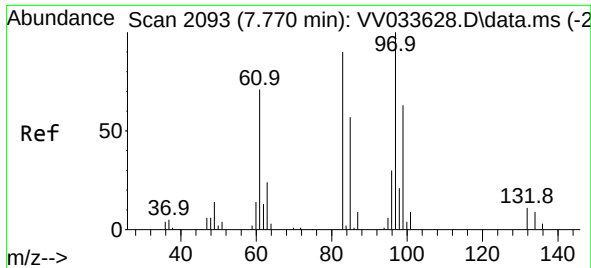
Tgt Ion: 91 Resp: 3627

Ion Ratio Lower Upper

91 100

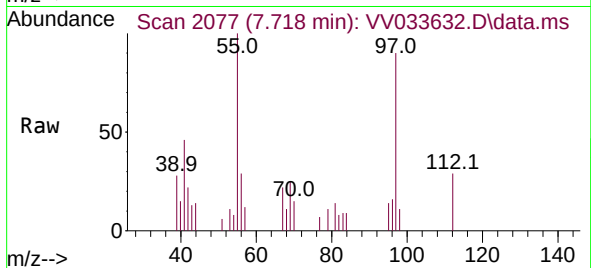
92 48.2 40.5 75.3



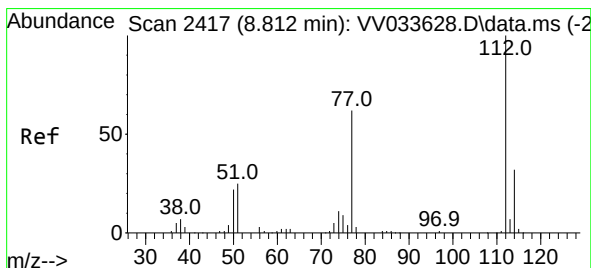
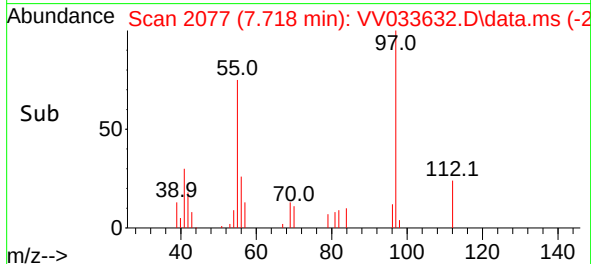
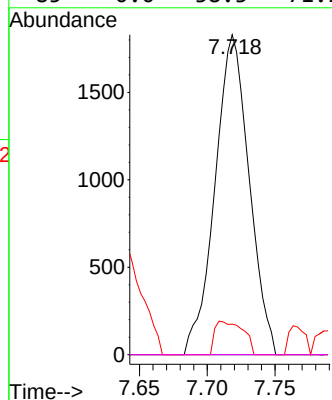


#45
1,1,2-Trichloroethane
Concen: 0.559 ug/L
RT: 7.718 min Scan# 2093
Delta R.T. -0.052 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

Instrument :
MSVOA_V
ClientSampleId :

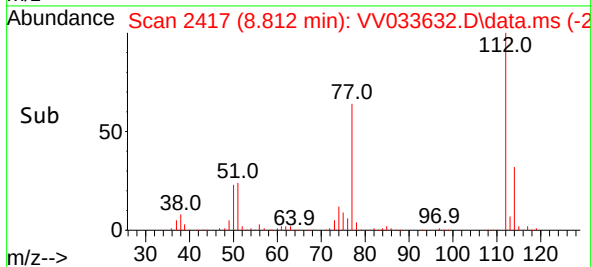
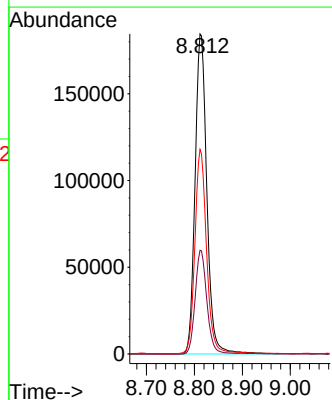
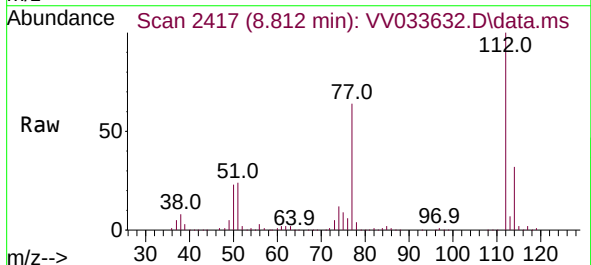


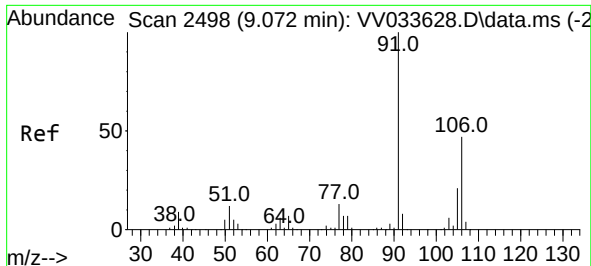
Tgt Ion	97	Resp:	3201
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.9	83.3#
83	9.6	60.5	112.3#
85	0.0	38.3	71.1#



#51
Chlorobenzene
Concen: 11.697 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

Tgt Ion	112	Resp:	314800
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.9	42.5
77	63.9	50.8	76.2

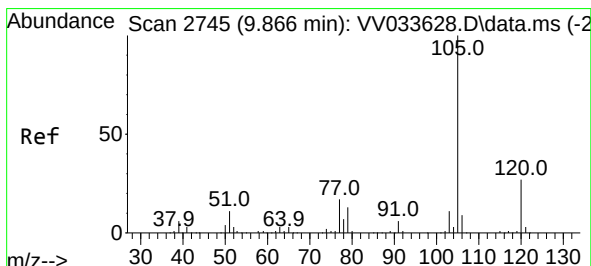
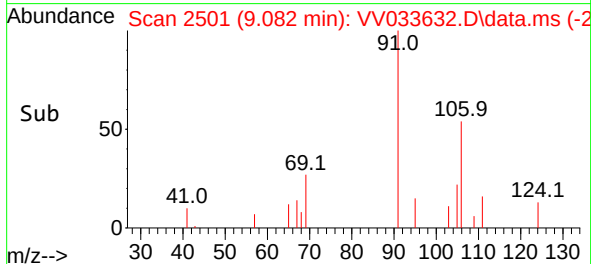
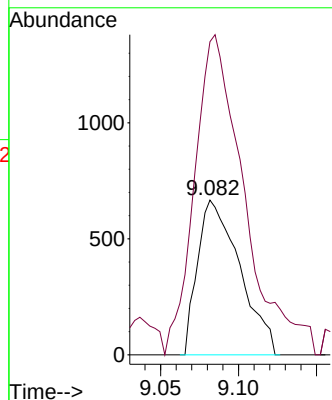
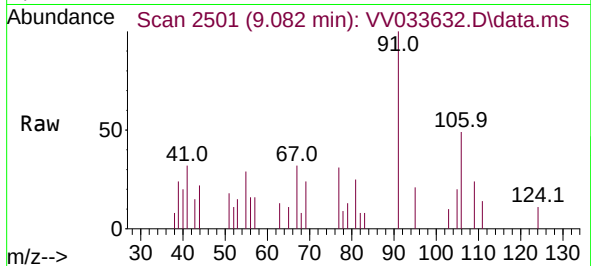




#53
m,p-Xylene
Concen: 0.067 ug/L
RT: 9.082 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

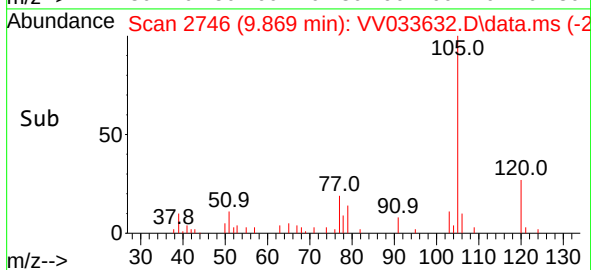
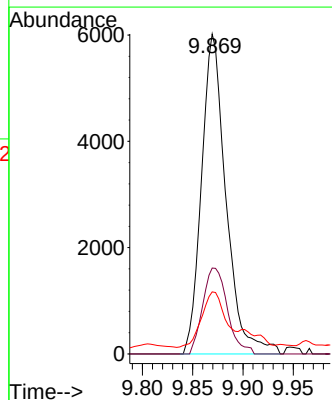
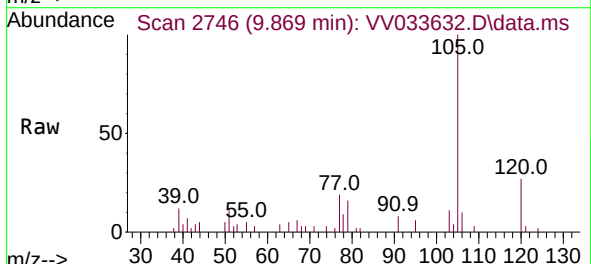
Instrument :
MSVOA_V
ClientSampleId :

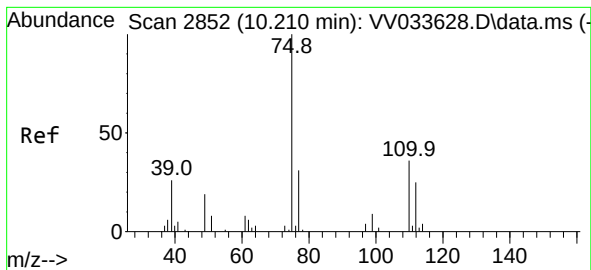
Tgt Ion:106 Resp: 1253
Ion Ratio Lower Upper
106 100
91 202.4 146.2 271.4



#60
Isopropylbenzene
Concen: 0.214 ug/L
RT: 9.869 min Scan# 2746
Delta R.T. 0.003 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

Tgt Ion:105 Resp: 10191
Ion Ratio Lower Upper
105 100
120 26.9 21.0 31.6
77 0.0 13.4 20.0#





#61

1,2,3-Trichloropropane

Concen: 1.809 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.907 min

Lab File: VV033632.D

Acq: 15 Jan 2024 11:05

Instrument :

MSVOA_V

ClientSampleId :

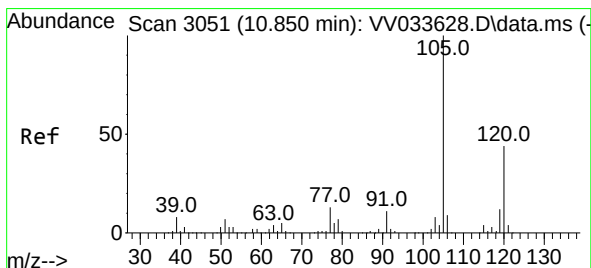
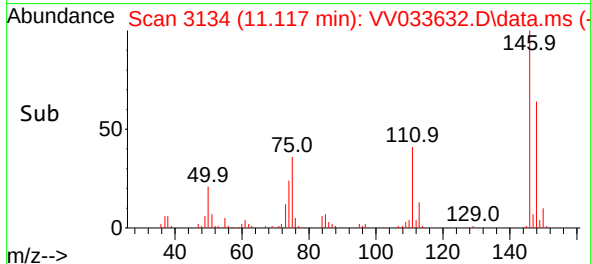
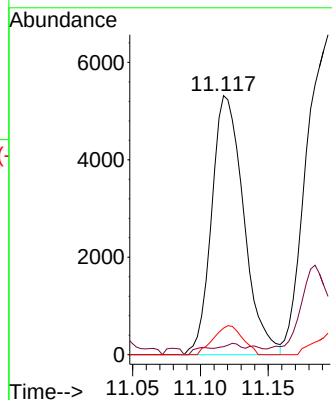
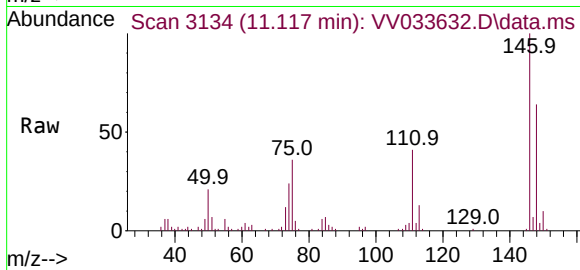
Tgt Ion: 75 Resp: 8747

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

110 10.1 28.0 42.0#



#63

1,2,4-Trimethylbenzene

Concen: 0.071 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VV033632.D

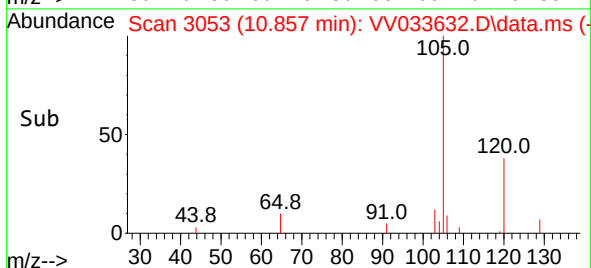
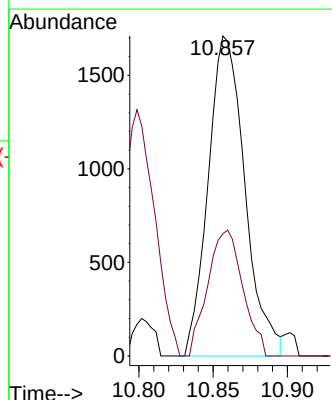
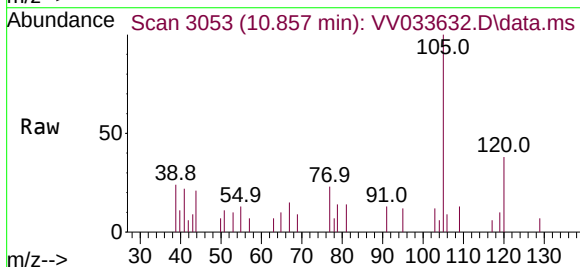
Acq: 15 Jan 2024 11:05

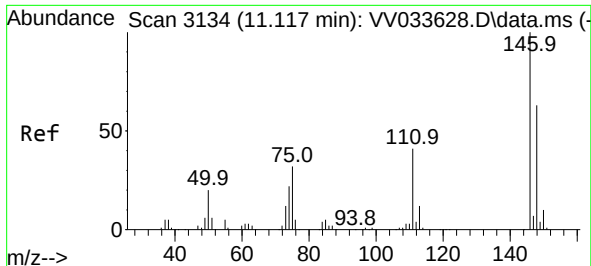
Tgt Ion: 105 Resp: 2941

Ion Ratio Lower Upper

105 100

120 37.6 35.5 53.3

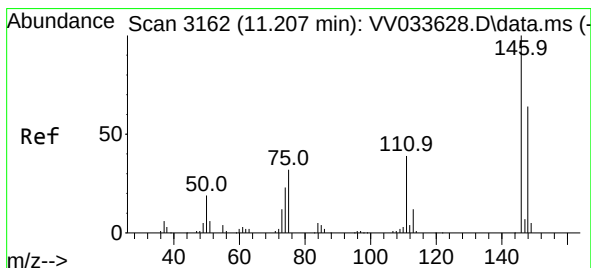
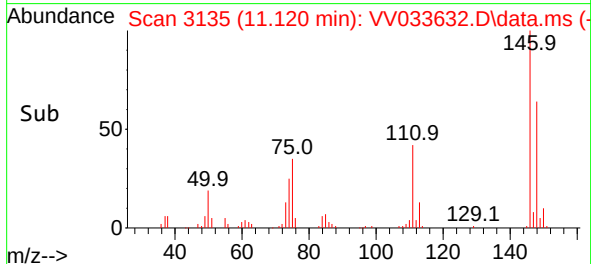
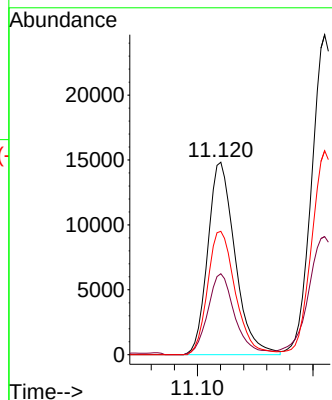
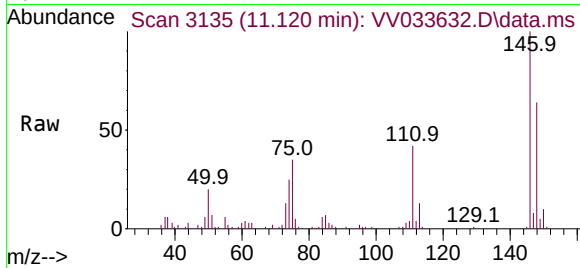




#64
1,3-Dichlorobenzene
Concen: 1.150 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

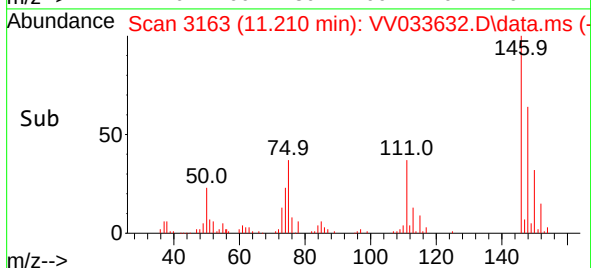
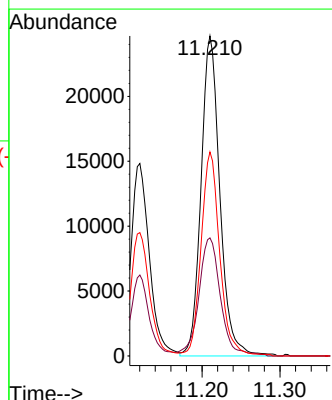
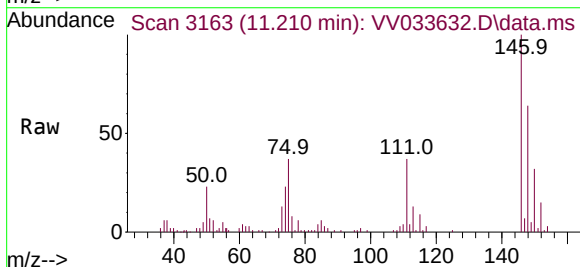
Instrument :
MSVOA_V
ClientSampleId :

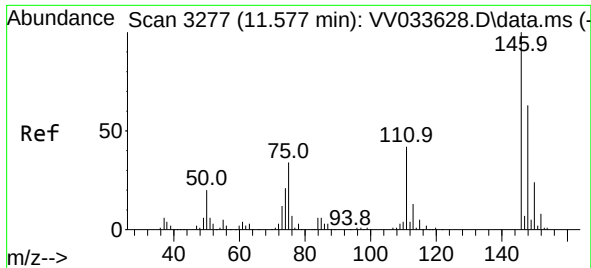
Tgt Ion:146 Resp: 24266
Ion Ratio Lower Upper
146 100
111 42.1 29.2 54.2
148 64.1 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 2.006 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033632.D
Acq: 15 Jan 2024 11:05

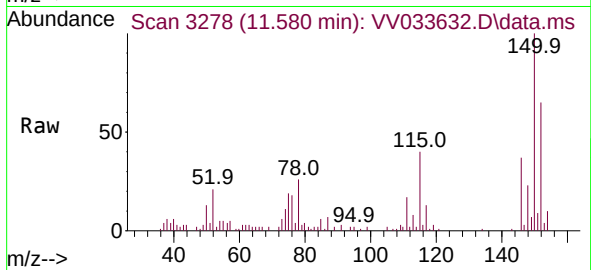
Tgt Ion:146 Resp: 41467
Ion Ratio Lower Upper
146 100
111 36.9 27.5 51.1
148 63.8 43.3 80.5





#67
 1,2-Dichlorobenzene
 Concen: 0.377 ug/L
 RT: 11.580 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV033632.D
 Acq: 15 Jan 2024 11:05

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	146	Resp:	6916
Ion	Ratio	Lower	Upper
146	100		
111	46.9	36.1	54.1
148	61.2	52.2	78.2

