

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011524\
 Data File : VW033649.D
 Acq On : 15 Jan 2024 17:46
 Operator : SY/MD
 Sample : P1131-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 16 03:47:46 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	5.551	114	114510	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.792	117	104872	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	53248	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	23207	3.706	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.200%
7) Chloroethane-d5	1.548	69	22571	4.064	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.200%
11) 1,1-Dichloroethene-d2	2.069	65	10948	3.880	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.600%
20) 2-Butanone-d5	3.915	46	60799	39.712	ug/L	0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.420%
24) Chloroform-d	4.259	84	55047	4.065	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
26) 1,2-Dichloroethane-d4	4.963	65	28983	4.774	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	4.966	84	111967	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.021	67	36050	4.273	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.400%
41) Toluene-d8	7.262	98	98444	4.358	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	7.574	79	11503	3.944	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.800%
46) 2-Hexanone-d5	8.050	63	57768	50.448	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.900%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	23634	4.794	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	37225	4.553	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
15) Methyl Acetate	2.381	43	4989	1.679	ug/L #	56
22) cis-1,2-Dichloroethene	3.822	96	2326	0.244	ug/L	95
30) Cyclohexane	4.577	56	44320	2.487	ug/L	97
33) Benzene	5.018	78	113037	3.036	ug/L	100
35) Methylcyclohexane	6.072	83	45613	2.719	ug/L	96
39) cis-1,3-Dichloropropene	6.937	75	1276	0.097	ug/L #	40
42) Toluene	7.336	91	39910	1.014	ug/L	99
45) 1,1,2-Trichloroethane	7.728	97	4864	0.947	ug/L #	20
48) 2-Hexanone	8.046	43	8325	2.674	ug/L #	59
51) Chlorobenzene	8.821	112	879339	36.453	ug/L	99
52) Ethylbenzene	8.960	91	7739	0.170	ug/L	89
53) m,p-Xylene	9.085	106	5290	0.315	ug/L	100
54) o-Xylene	9.484	106	36115	2.207	ug/L	94
55) Styrene	9.480	104	1933	0.074	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.178	83	1127	0.200	ug/L #	59
60) Isopropylbenzene	9.870	105	294289	6.986	ug/L	99
61) 1,2,3-Trichloropropane	10.291	75	3009	0.705	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.480	105	37488	1.030	ug/L	98
63) 1,2,4-Trimethylbenzene	10.480	105	37488	1.020	ug/L	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011524\
Data File : VV033649.D
Acq On : 15 Jan 2024 17:46
Operator : SY/MD
Sample : P1131-17
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jan 16 03:47:46 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

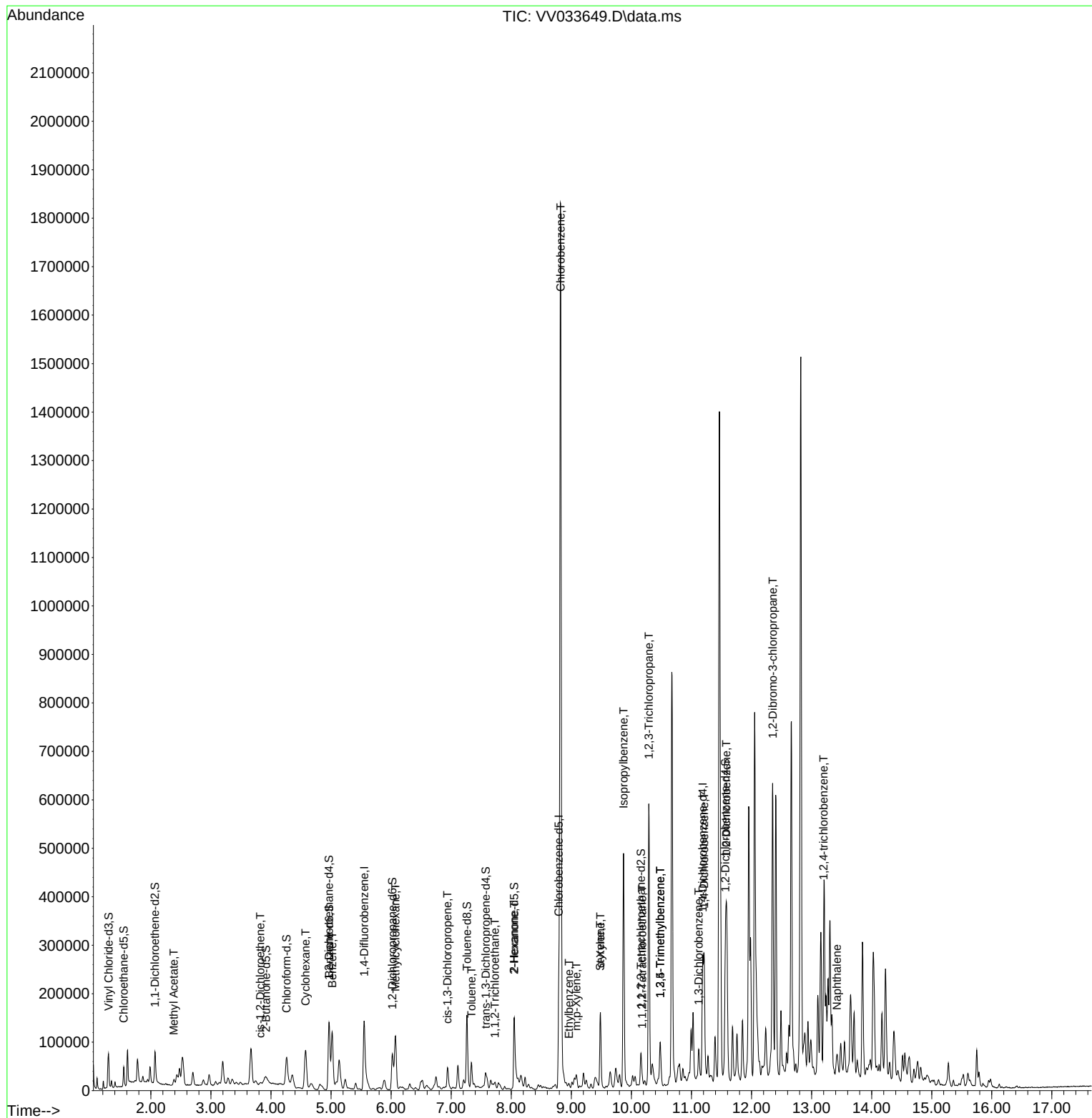
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.120	146	23455	1.259	ug/L	94
65) 1,4-Dichlorobenzene	11.210	146	92001	5.043	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	64250	3.968	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.352	75	2819	3.005	ug/L #	5
70) 1,2,4-trichlorobenzene	13.201	180	2198	0.182	ug/L #	1
71) Naphthalene	13.422	128	5424	0.270	ug/L #	16

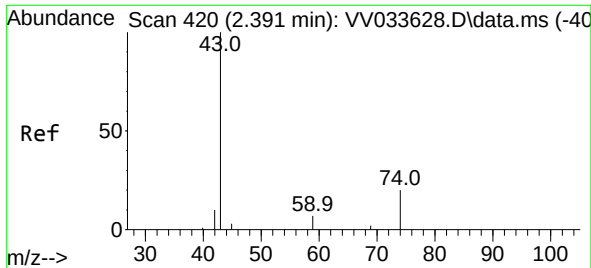
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011524\
Data File : VV033649.D
Acq On : 15 Jan 2024 17:46
Operator : SY/MD
Sample : P1131-17
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jan 16 03:47:46 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

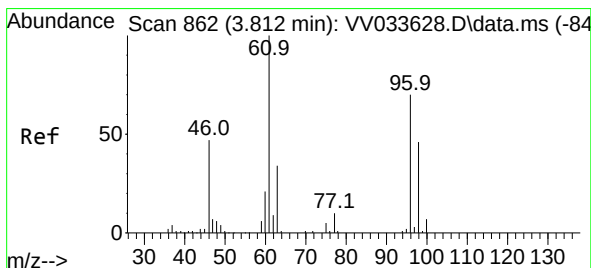
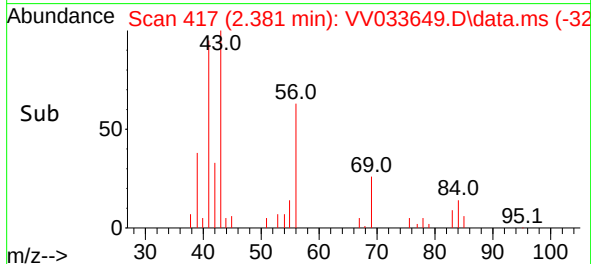
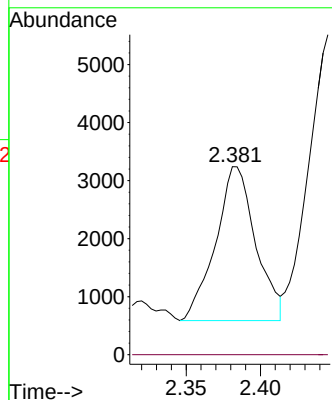
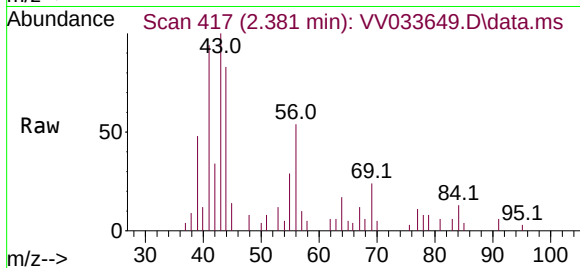




#15
Methyl Acetate
Concen: 1.679 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.010 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

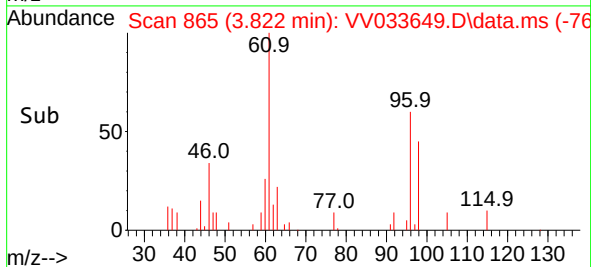
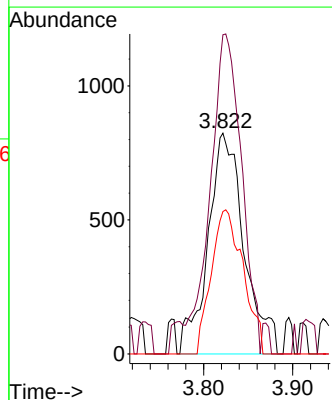
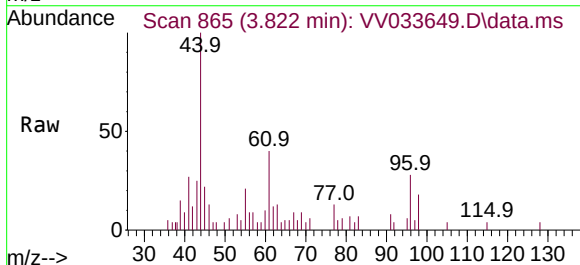
Instrument :
MSVOA_V
ClientSampleId :

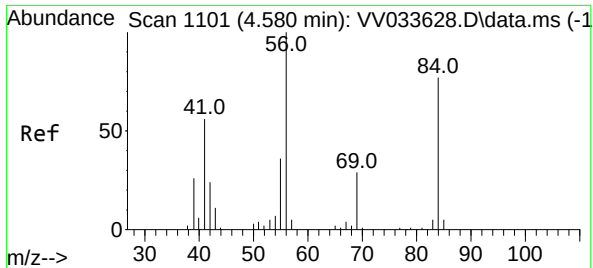
Tgt Ion: 43 Resp: 4989
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#22
cis-1,2-Dichloroethene
Concen: 0.244 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.010 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

Tgt Ion: 96 Resp: 2326
Ion Ratio Lower Upper
96 100
61 144.5 97.1 180.3
98 64.4 42.6 79.0

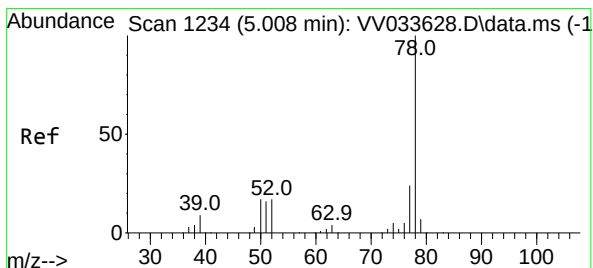
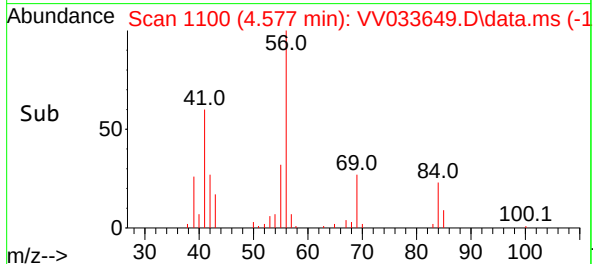
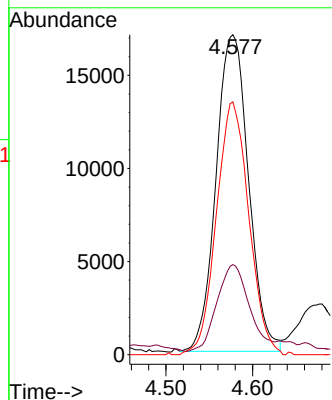
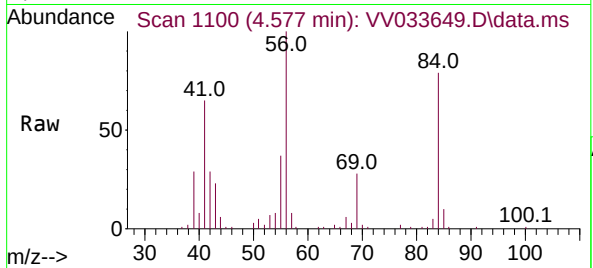




#30
Cyclohexane
Concen: 2.487 ug/L
RT: 4.577 min Scan# 1100
Delta R.T. -0.003 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

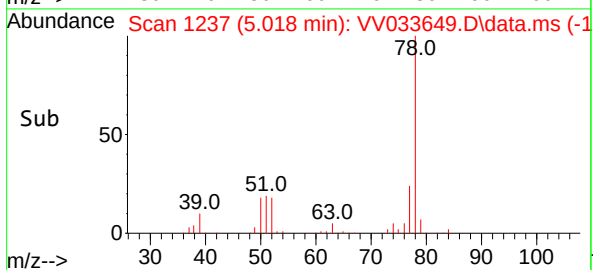
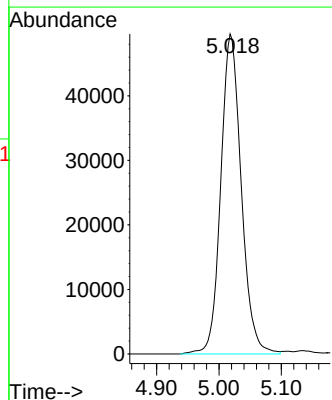
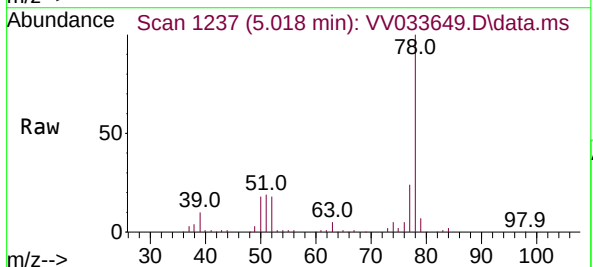
Instrument :
MSVOA_V
ClientSampleId :

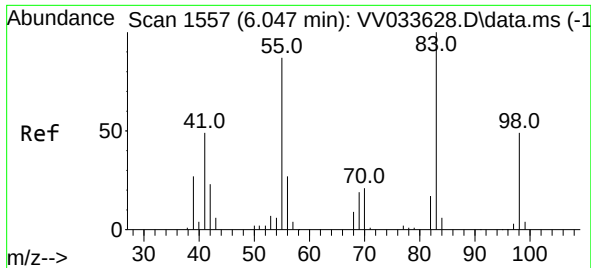
Tgt Ion: 56 Resp: 44320
Ion Ratio Lower Upper
56 100
69 27.4 23.3 34.9
84 79.7 61.7 92.5



#33
Benzene
Concen: 3.036 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.010 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

Tgt Ion: 78 Resp: 113037

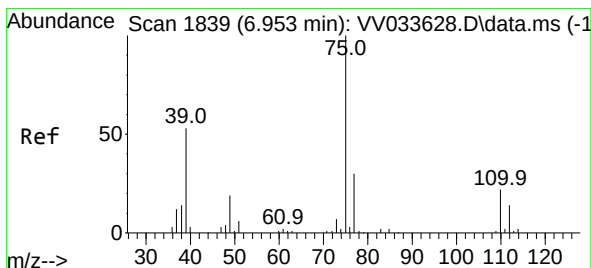
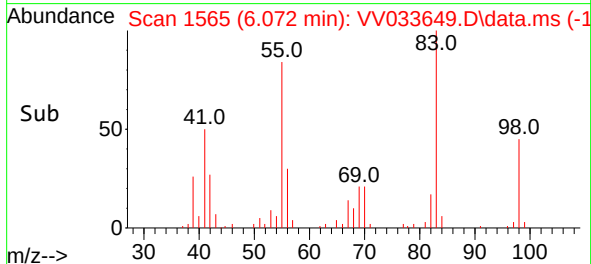
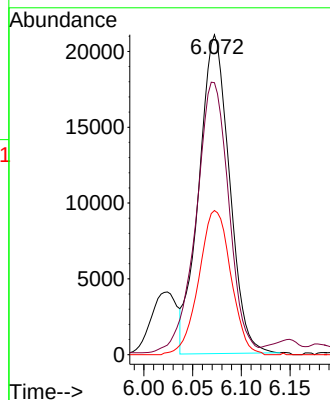
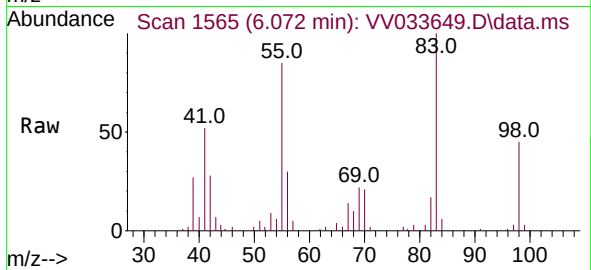




#35
Methylcyclohexane
Concen: 2.719 ug/L
RT: 6.072 min Scan# 11
Delta R.T. 0.026 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

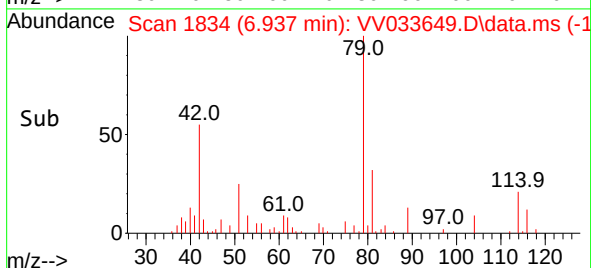
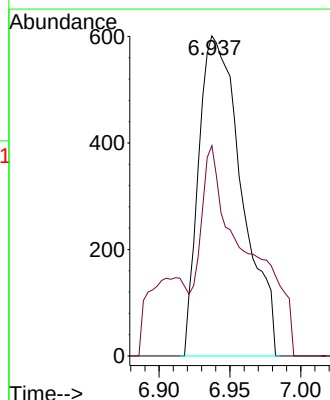
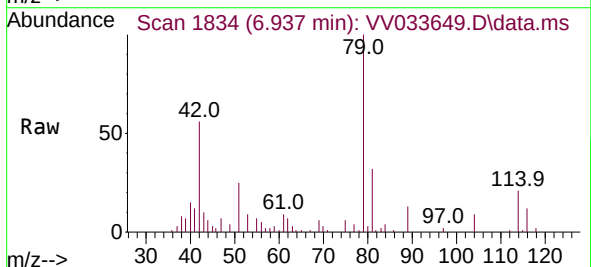
Instrument :
MSVOA_V
ClientSampleId :

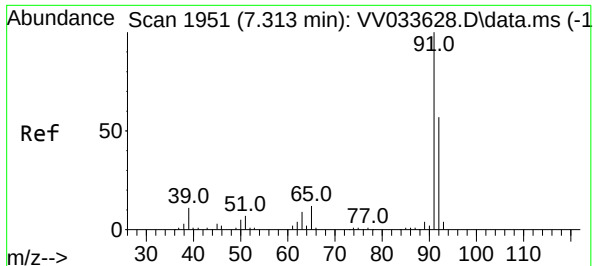
Tgt Ion: 83 Resp: 45613
Ion Ratio Lower Upper
83 100
55 90.8 68.7 103.1
98 47.6 38.3 57.5



#39
cis-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 6.937 min Scan# 1834
Delta R.T. -0.016 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

Tgt Ion: 75 Resp: 1276
Ion Ratio Lower Upper
75 100
77 65.7 22.5 41.7#





#42

Toluene

Concen: 1.014 ug/L

RT: 7.336 min Scan# 1951

Delta R.T. 0.022 min

Lab File: VV033649.D

Acq: 15 Jan 2024 17:46

Instrument :

MSVOA_V

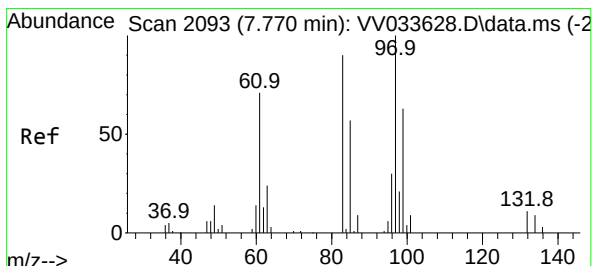
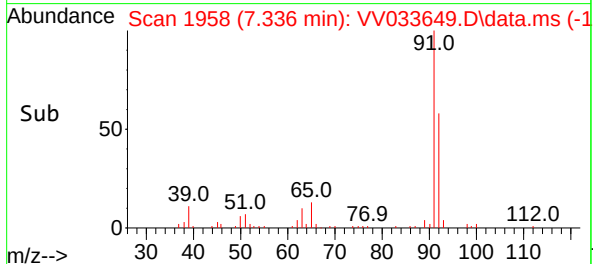
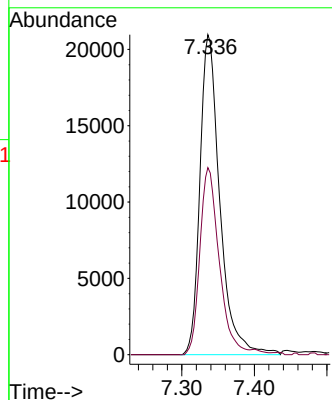
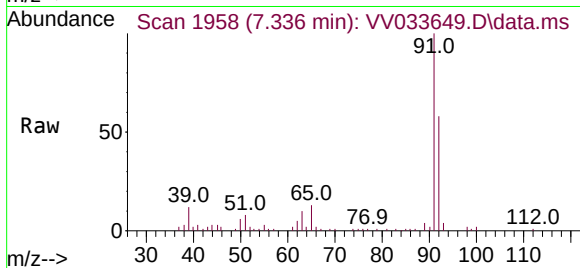
ClientSampleId :

Tgt Ion: 91 Resp: 39910

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.3



#45

1,1,2-Trichloroethane

Concen: 0.947 ug/L

RT: 7.728 min Scan# 2080

Delta R.T. -0.042 min

Lab File: VV033649.D

Acq: 15 Jan 2024 17:46

Tgt Ion: 97 Resp: 4864

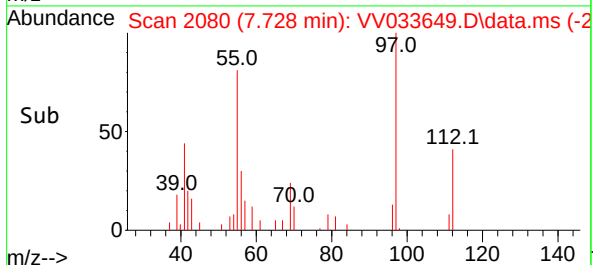
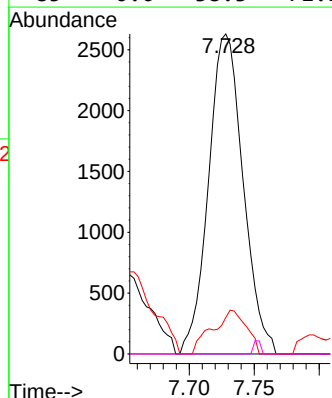
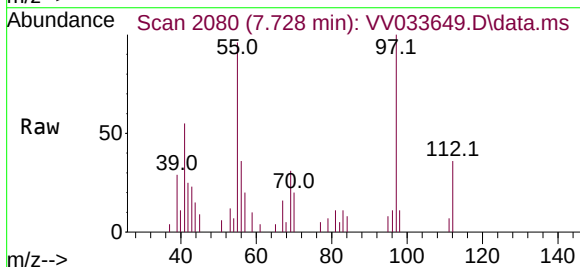
Ion Ratio Lower Upper

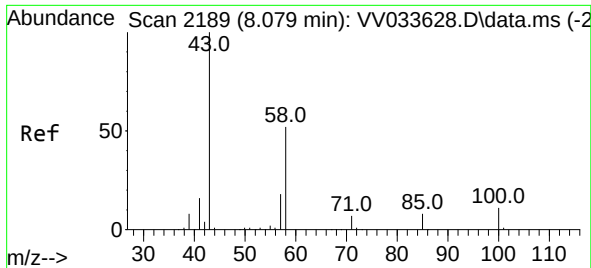
97 100

99 0.0 44.9 83.3#

83 11.4 60.5 112.3#

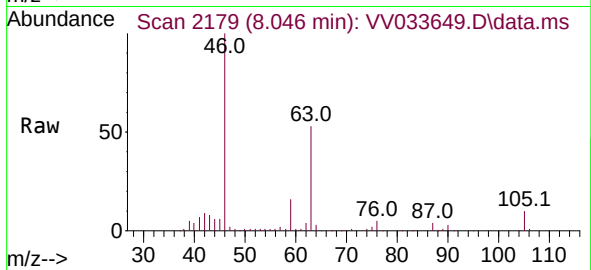
85 0.0 38.3 71.1#



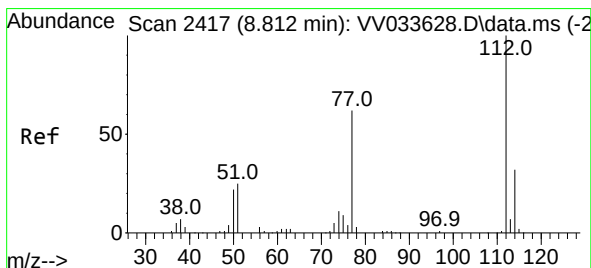
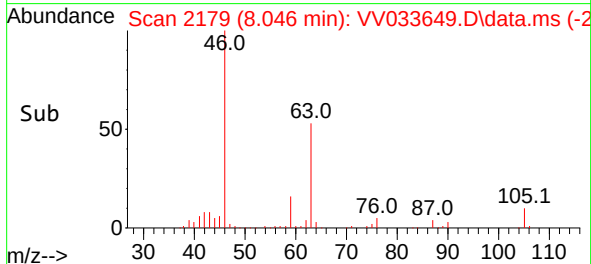
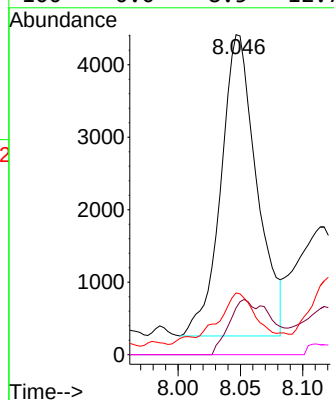


#48
2-Hexanone
Concen: 2.674 ug/L
RT: 8.046 min Scan# 2189
Delta R.T. -0.032 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

Instrument :
MSVOA_V
ClientSampleId :

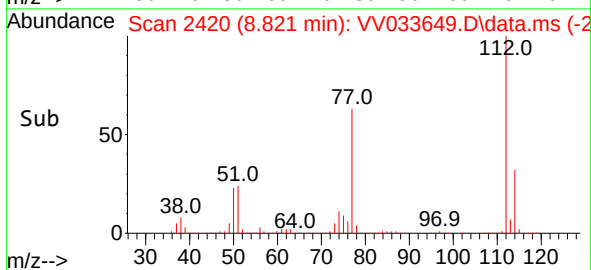
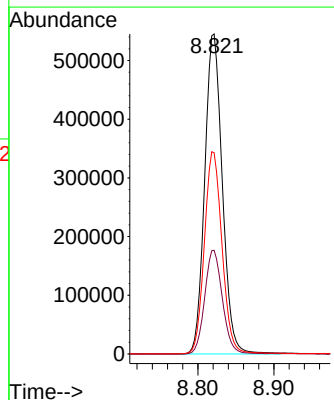
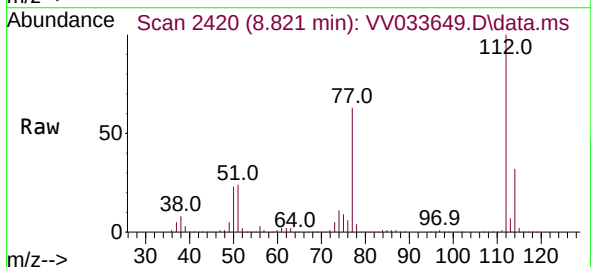


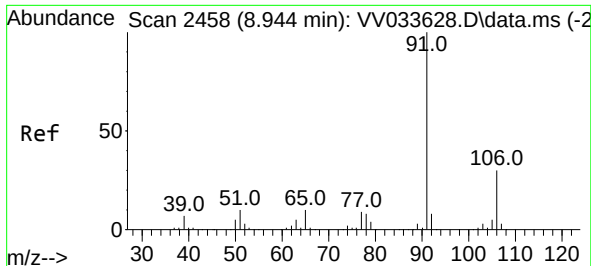
Tgt Ion: 43	Resp: 8325
Ion Ratio	Lower Upper
43 100	
58 13.2	40.6 61.0#
57 13.7	13.8 20.8#
100 0.0	8.5 12.7#



#51
Chlorobenzene
Concen: 36.453 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.010 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

Tgt Ion:112	Resp:	879339	
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.9	42.5
77	62.9	50.8	76.2

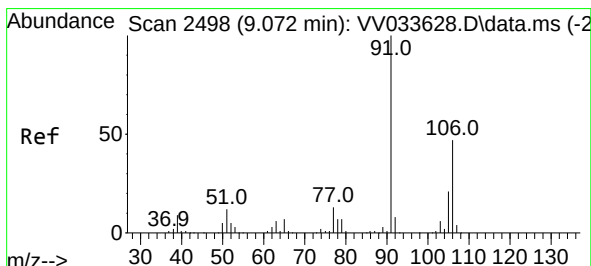
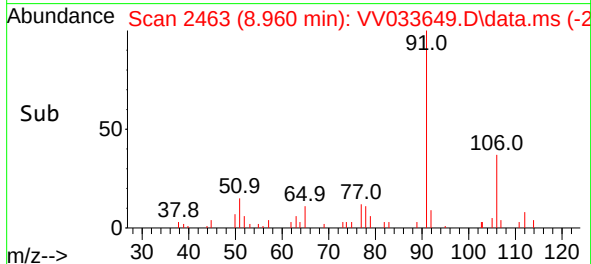
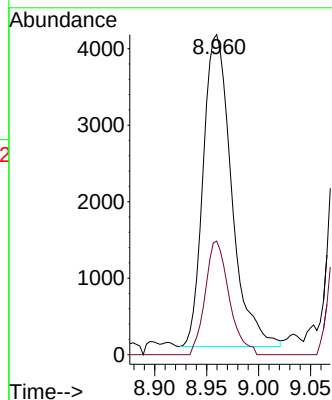
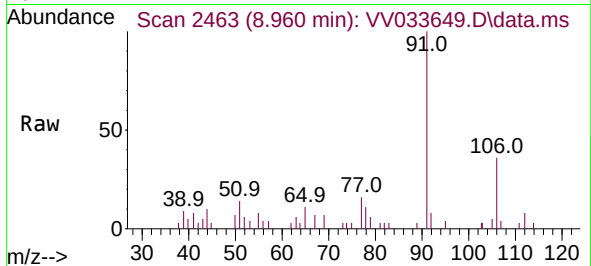




#52
Ethylbenzene
Concen: 0.170 ug/L
RT: 8.960 min Scan# 2458
Delta R.T. 0.016 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

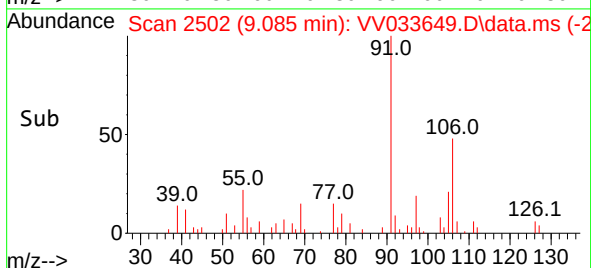
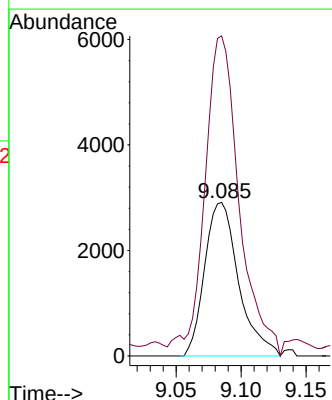
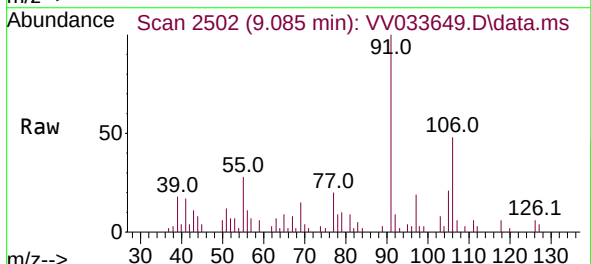
Instrument :
MSVOA_V
ClientSampleId :

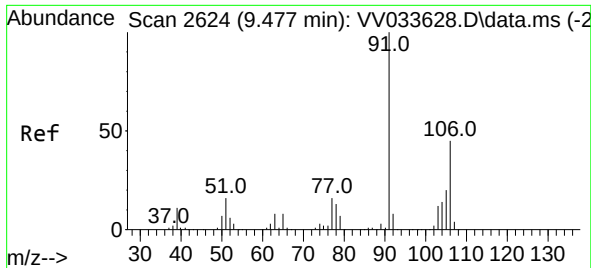
Tgt Ion: 91 Resp: 7739
Ion Ratio Lower Upper
91 100
106 35.5 20.6 38.4



#53
m,p-Xylene
Concen: 0.315 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.013 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

Tgt Ion: 106 Resp: 5290
Ion Ratio Lower Upper
106 100
91 208.4 146.2 271.4

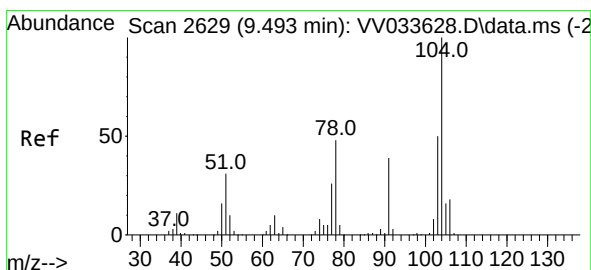
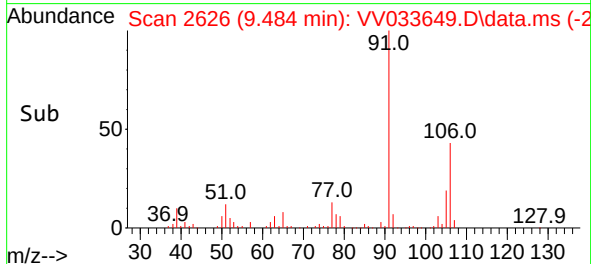
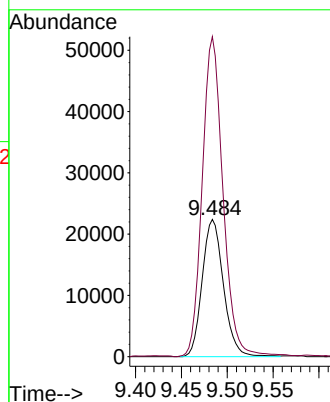
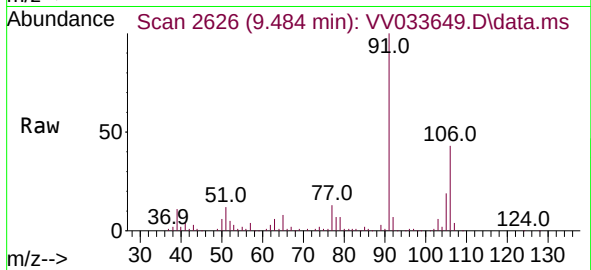




#54
o-Xylene
Concen: 2.207 ug/L
RT: 9.484 min Scan# 2625
Delta R.T. 0.006 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

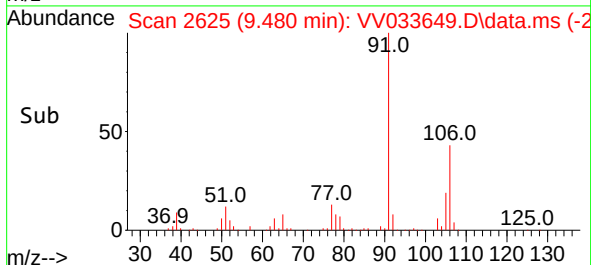
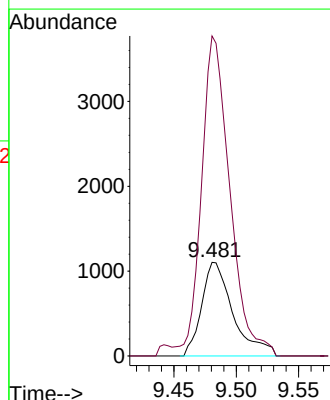
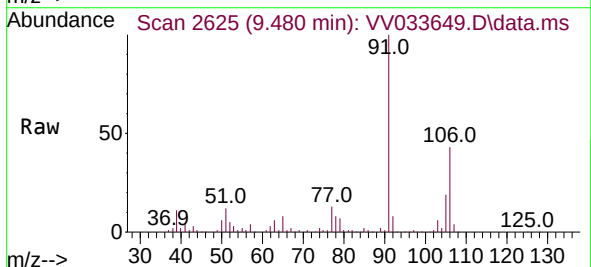
Instrument :
MSVOA_V
ClientSampleId :

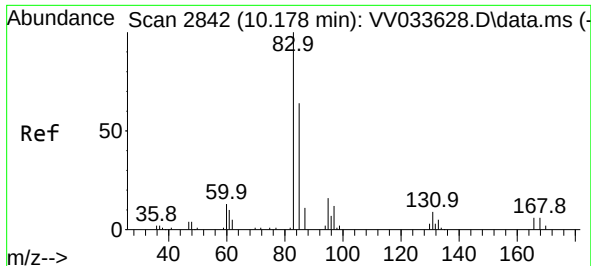
Tgt Ion:106 Resp: 36115
Ion Ratio Lower Upper
106 100
91 233.2 156.0 289.6



#55
Styrene
Concen: 0.074 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.013 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

Tgt Ion:104 Resp: 1933
Ion Ratio Lower Upper
104 100
78 341.7 33.1 61.5#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.200 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. -0.000 min

Lab File: VV033649.D

Acq: 15 Jan 2024 17:46

Instrument :

MSVOA_V

ClientSampleId :

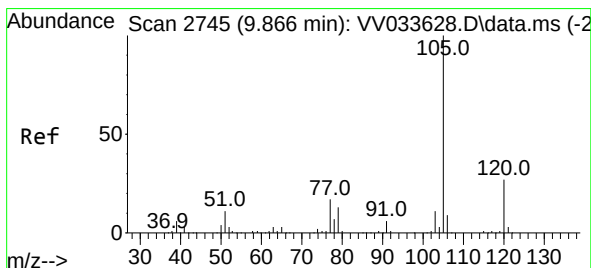
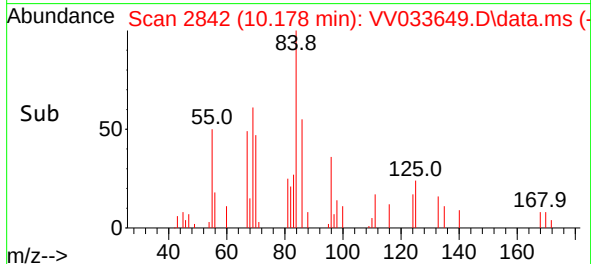
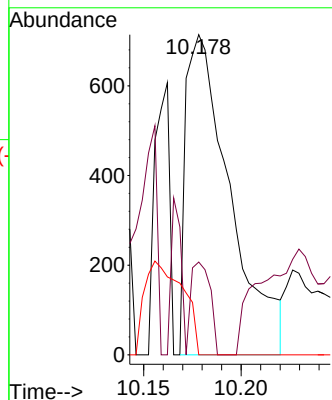
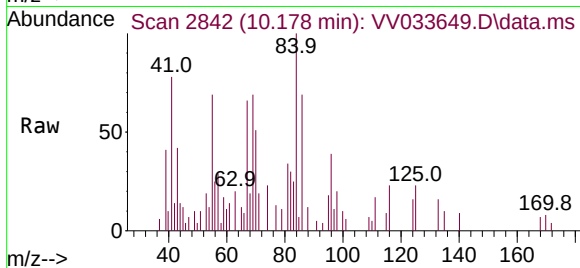
Tgt Ion: 83 Resp: 1127

Ion Ratio Lower Upper

83 100

85 29.0 43.5 80.7#

131 0.0 7.4 11.0#



#60

Isopropylbenzene

Concen: 6.986 ug/L

RT: 9.870 min Scan# 2746

Delta R.T. 0.003 min

Lab File: VV033649.D

Acq: 15 Jan 2024 17:46

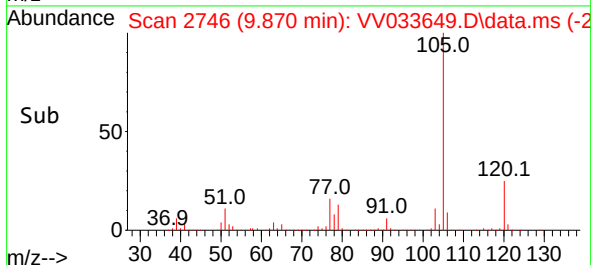
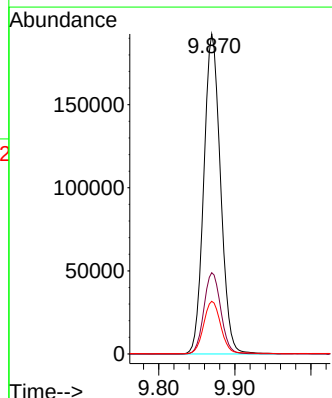
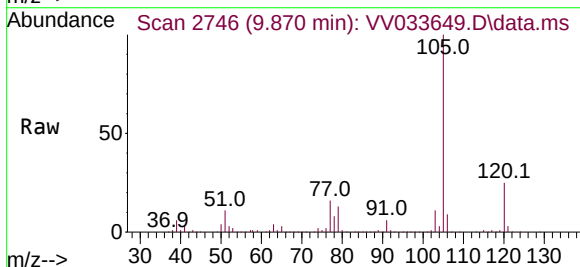
Tgt Ion: 105 Resp: 294289

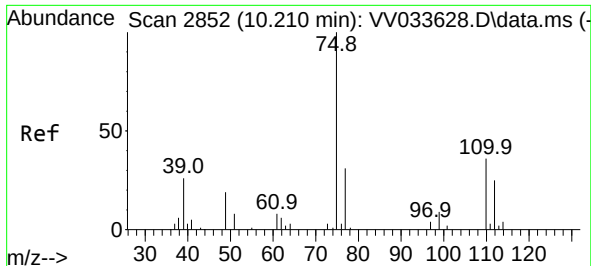
Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

77 16.8 13.4 20.0

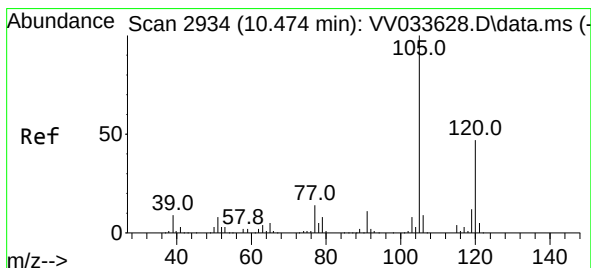
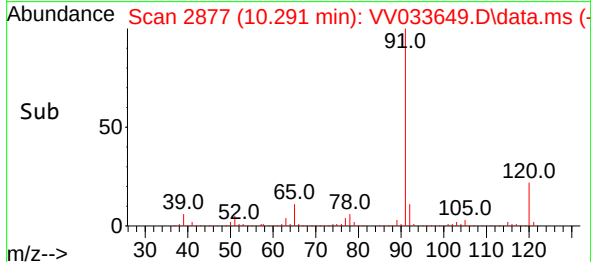
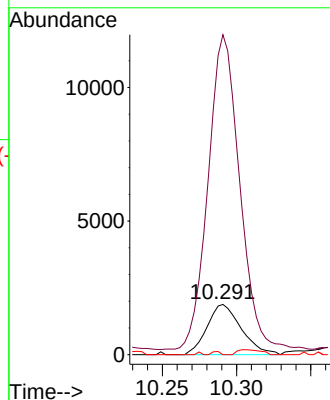
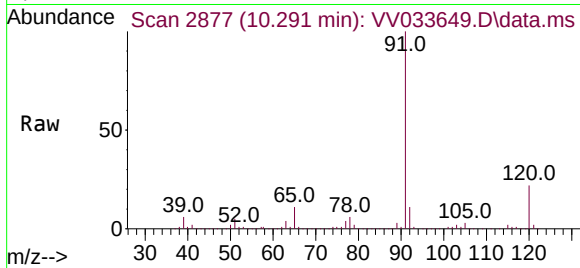




#61
 1,2,3-Trichloropropane
 Concen: 0.705 ug/L
 RT: 10.291 min Scan# 2877
 Delta R.T. 0.080 min
 Lab File: VV033649.D
 Acq: 15 Jan 2024 17:46

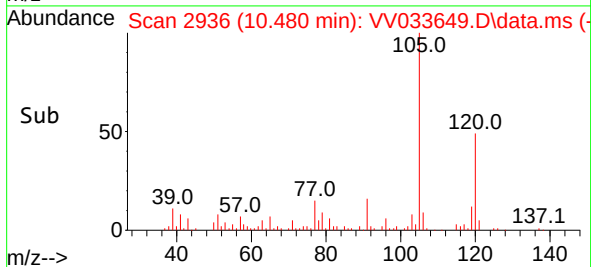
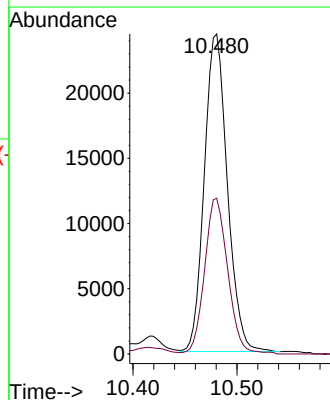
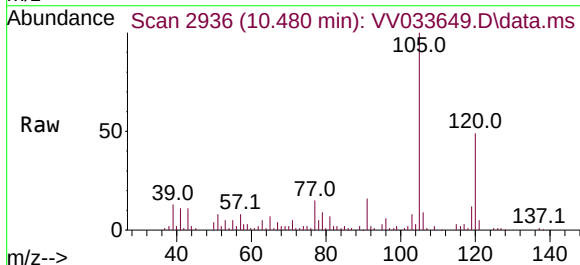
Instrument :
 MSVOA_V
 ClientSampleId :

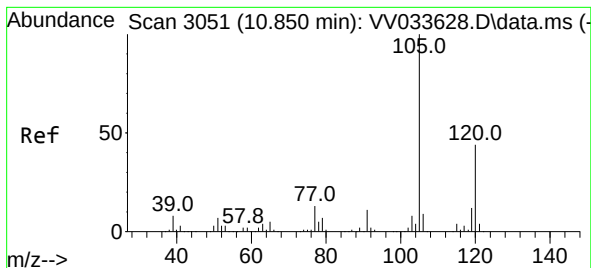
Tgt Ion: 75 Resp: 3009
 Ion Ratio Lower Upper
 75 100
 77 576.0 24.7 37.1#
 110 6.8 28.0 42.0#



#62
 1,3,5-Trimethylbenzene
 Concen: 1.030 ug/L
 RT: 10.480 min Scan# 2936
 Delta R.T. 0.006 min
 Lab File: VV033649.D
 Acq: 15 Jan 2024 17:46

Tgt Ion: 105 Resp: 37488
 Ion Ratio Lower Upper
 105 100
 120 49.3 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 1.020 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.370 min

Lab File: VV033649.D

Acq: 15 Jan 2024 17:46

Instrument :

MSVOA_V

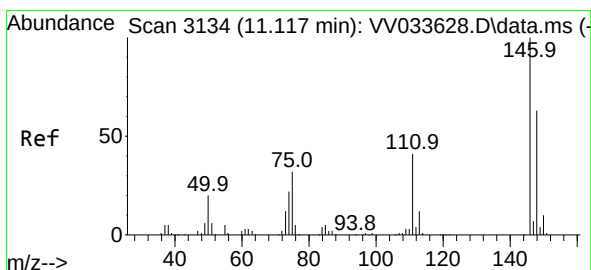
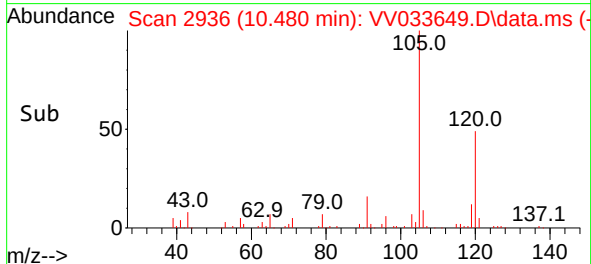
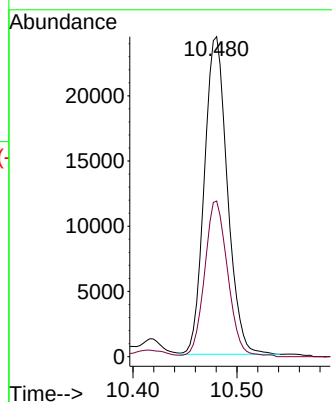
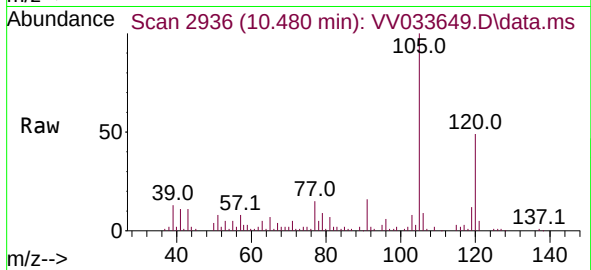
ClientSampleId :

Tgt Ion:105 Resp: 37488

Ion Ratio Lower Upper

105 100

120 49.3 35.5 53.3



#64

1,3-Dichlorobenzene

Concen: 1.259 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV033649.D

Acq: 15 Jan 2024 17:46

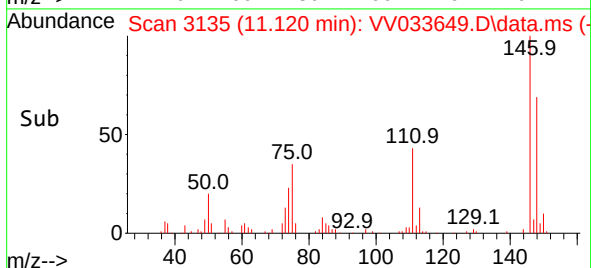
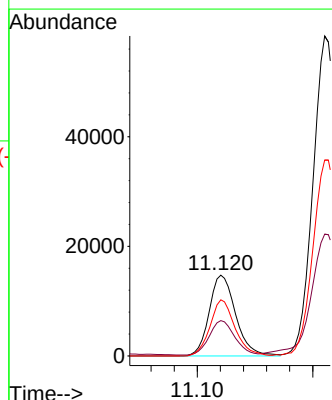
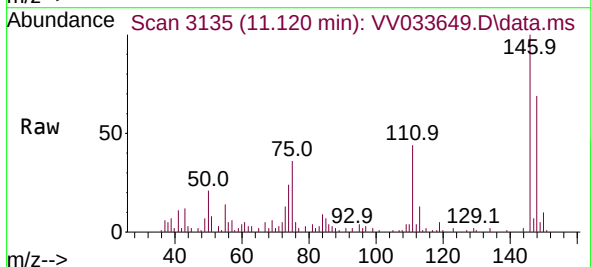
Tgt Ion:146 Resp: 23455

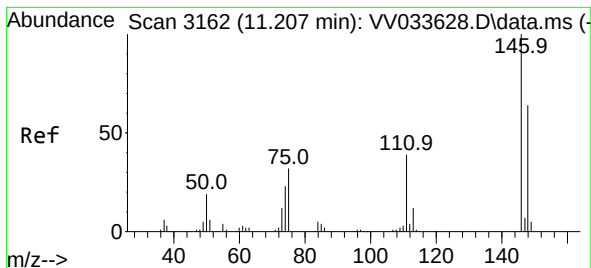
Ion Ratio Lower Upper

146 100

111 43.8 29.2 54.2

148 69.4 44.1 81.9





#65

1,4-Dichlorobenzene

Concen: 5.043 ug/L

RT: 11.210 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV033649.D

Acq: 15 Jan 2024 17:46

Instrument :

MSVOA_V

ClientSampleId :

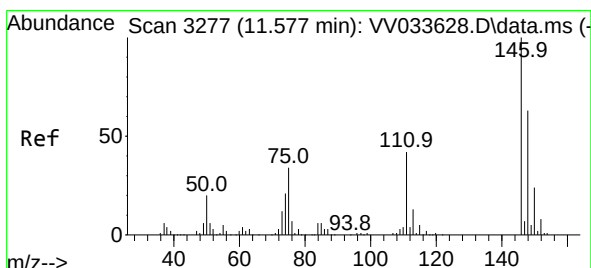
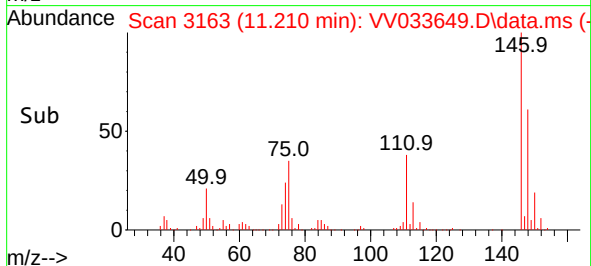
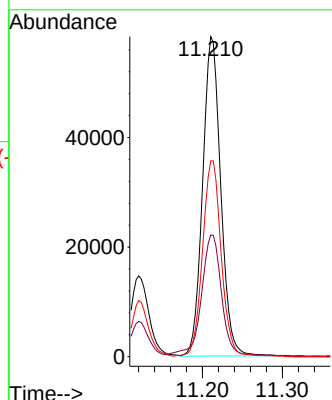
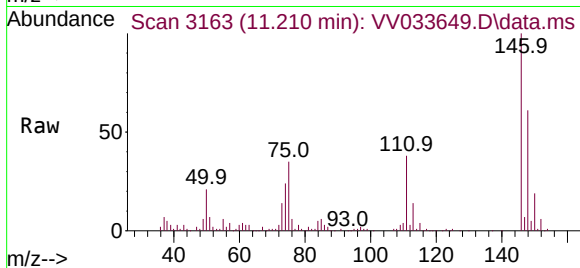
Tgt Ion:146 Resp: 92001

Ion Ratio Lower Upper

146 100

111 38.1 27.5 51.1

148 61.2 43.3 80.5



#67

1,2-Dichlorobenzene

Concen: 3.968 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VV033649.D

Acq: 15 Jan 2024 17:46

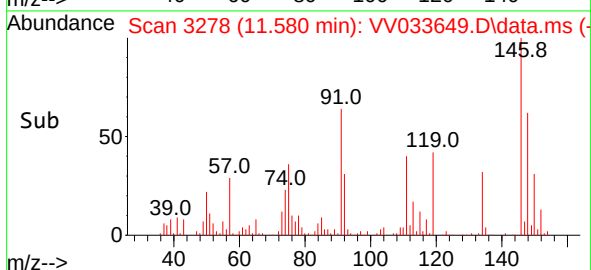
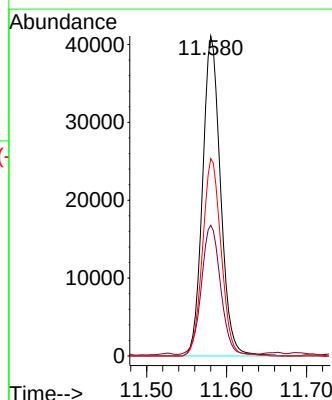
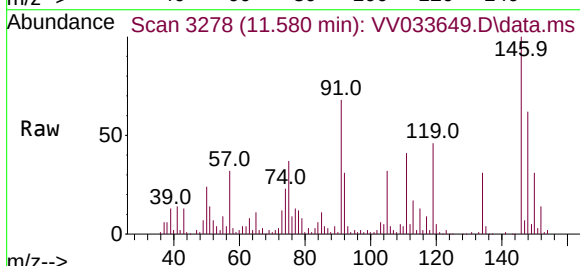
Tgt Ion:146 Resp: 64250

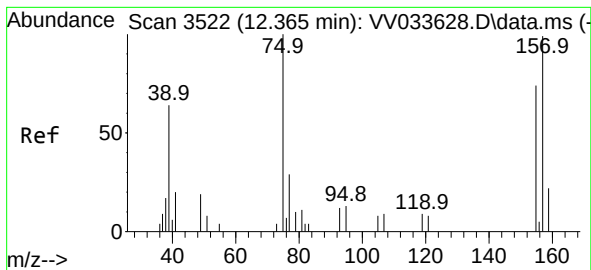
Ion Ratio Lower Upper

146 100

111 40.8 36.1 54.1

148 61.6 52.2 78.2

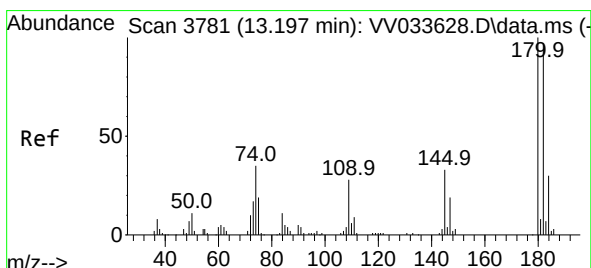
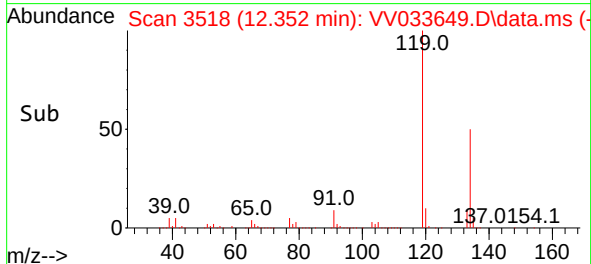
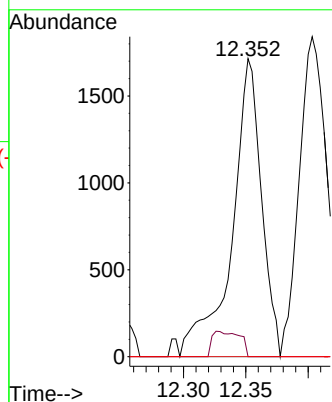
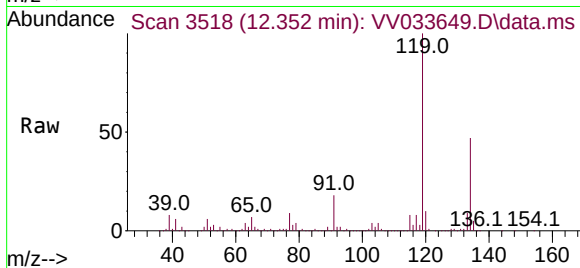




#68
1,2-Dibromo-3-chloropropane
Concen: 3.005 ug/L
RT: 12.352 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

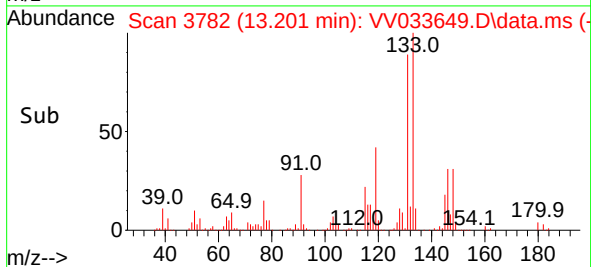
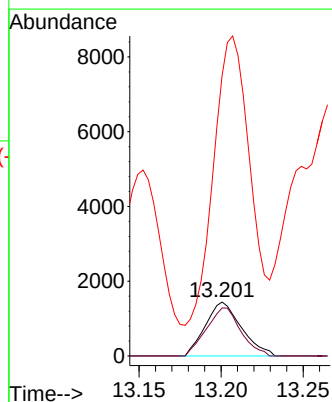
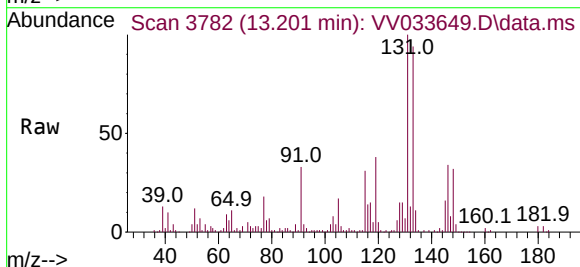
Instrument :
MSVOA_V
ClientSampleId :

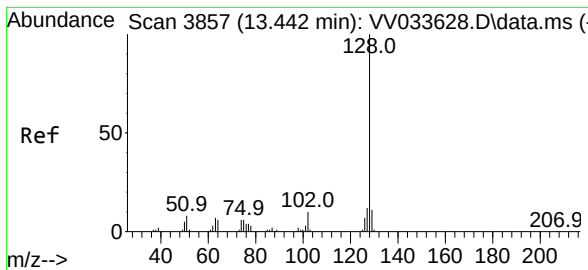
Tgt Ion: 75 Resp: 2819
Ion Ratio Lower Upper
75 100
155 0.0 65.3 97.9#
157 0.0 75.4 113.0#



#70
1,2,4-trichlorobenzene
Concen: 0.182 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.003 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

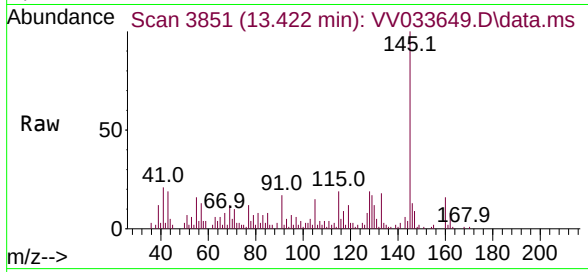
Tgt Ion:180 Resp: 2198
Ion Ratio Lower Upper
180 100
182 85.0 75.0 112.6
145 536.3 24.8 37.2#





#71
Naphthalene
Concen: 0.270 ug/L
RT: 13.422 min Scan# 3851
Delta R.T. -0.019 min
Lab File: VV033649.D
Acq: 15 Jan 2024 17:46

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 5424
Ion Ratio Lower Upper
128 100
129 66.6 8.8 13.2#
127 25.1 10.4 15.6#

