

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033287.D
 Acq On : 13 Dec 2023 19:34
 Operator : SY/MD
 Sample : 05731-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY59

Quant Time: Dec 13 23:35:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 23:30:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	125064	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	125885	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	65712	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	37815	4.717	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.536	69	28826	4.834	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.060	65	15122	4.739	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.800%
20) 2-Butanone-d5	3.806	46	49728	52.413	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.820%
24) Chloroform-d	4.249	84	81113	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	4.944	65	39237	5.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.000%
32) Benzene-d6	4.963	84	157189	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	5.989	67	36008	4.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.246	98	148441	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	7.558	79	15801	4.673	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.030	63	54245	57.463	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.920%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	27345	5.455	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	61511	5.315	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	1078	0.121	ug/L	99
14) Carbon disulfide	2.246	76	2990	0.128	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	9898	1.105	ug/L	93
30) Cyclohexane	4.584	56	2348	0.211	ug/L	98
33) Benzene	5.015	78	9218	0.273	ug/L	100
34) Trichloroethene	5.834	95	34487	3.507	ug/L	95
35) Methylcyclohexane	6.047	83	4023	0.276	ug/L	90
39) cis-1,3-Dichloropropene	6.915	75	1458	0.132	ug/L #	72
42) Toluene	7.320	91	31953	0.827	ug/L	95
47) Tetrachloroethene	7.908	164	3436	0.369	ug/L	93
48) 2-Hexanone	8.030	43	5259	3.039	ug/L #	71
49) Dibromochloromethane	7.908	129	3131	0.427	ug/L #	11
52) Ethylbenzene	8.953	91	8805	0.203	ug/L	94
53) m,p-Xylene	9.079	106	4655	0.261	ug/L	93
54) o-Xylene	9.484	106	2338	0.139	ug/L	62
61) 1,2,3-Trichloropropane	11.188	75	5324	1.529	ug/L #	58
62) 1,3,5-Trimethylbenzene	10.857	105	4767	0.134	ug/L	95
63) 1,2,4-Trimethylbenzene	10.857	105	4767	0.135	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 23:30:39 2023
Response via : Initial Calibration

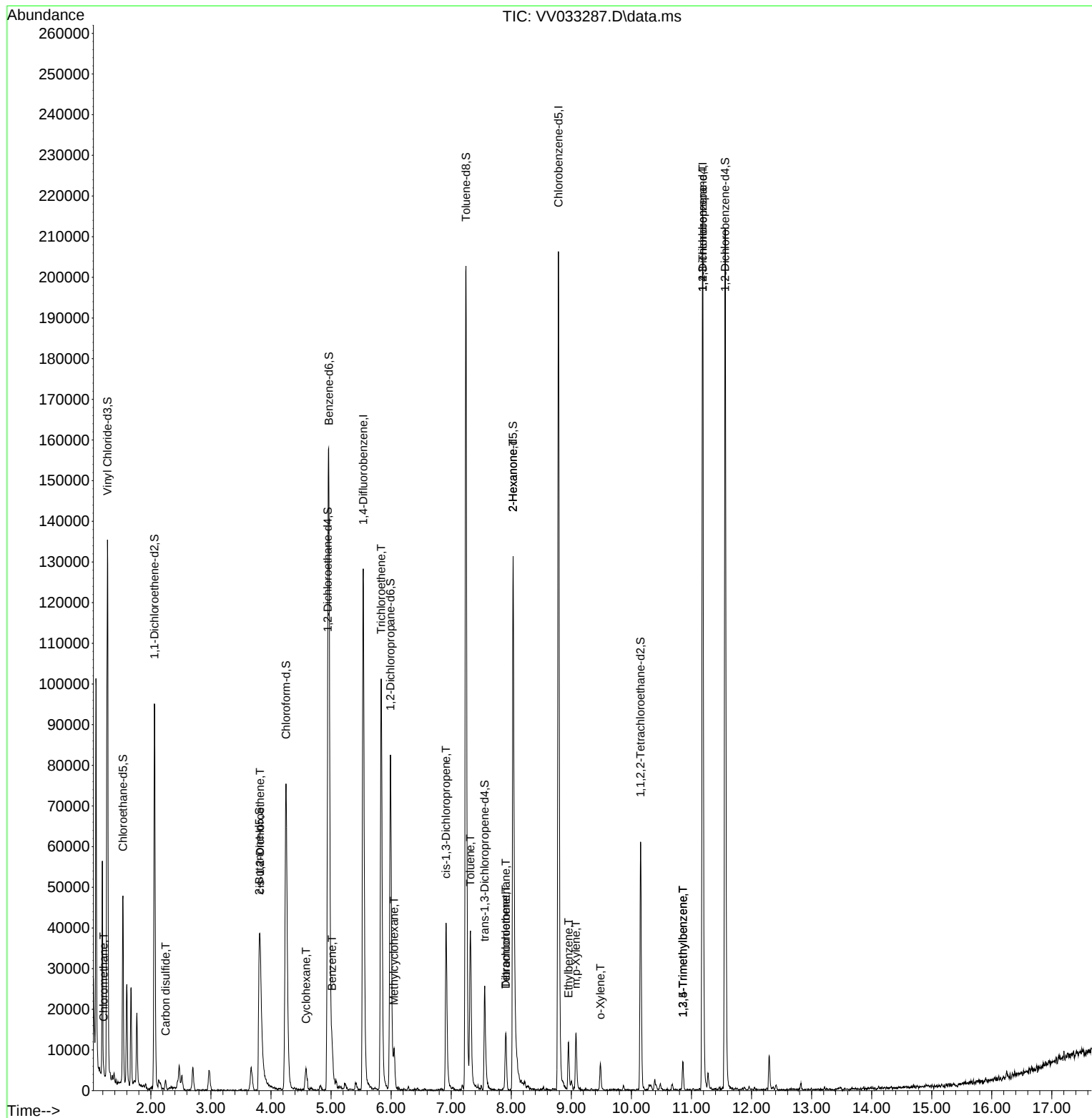
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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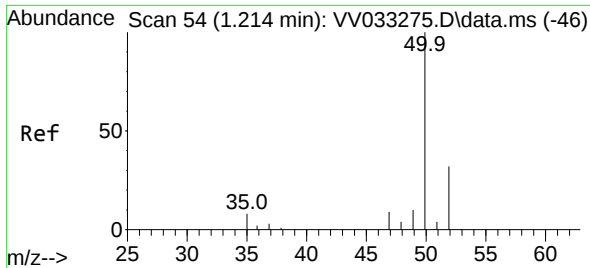
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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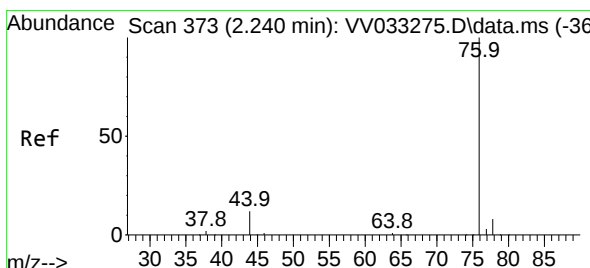
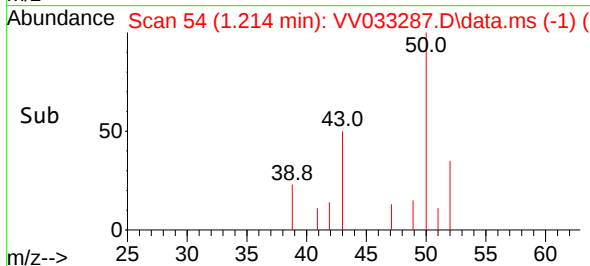
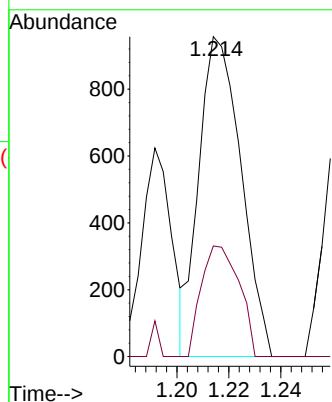
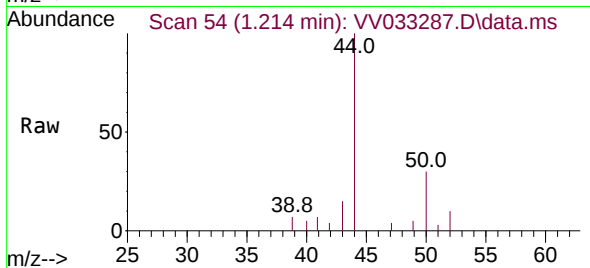




#3
Chloromethane
Concen: 0.121 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV033287.D
Acq: 13 Dec 2023 19:34

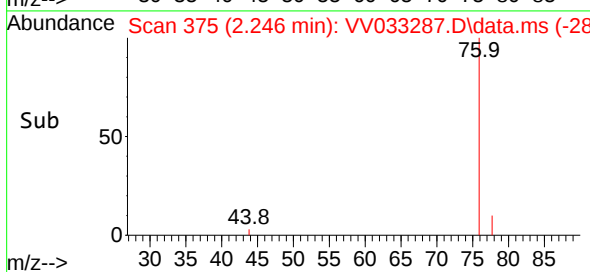
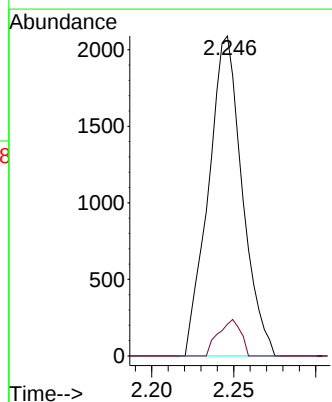
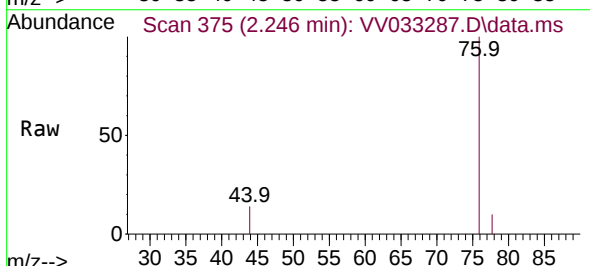
Instrument :
MSVOA_V
ClientSampleId :
E0Y59

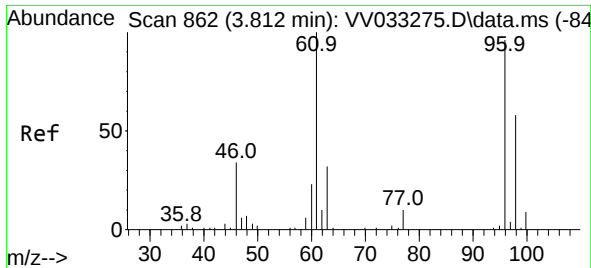
Tgt Ion: 50 Resp: 1078
Ion Ratio Lower Upper
50 100
52 34.6 23.8 44.2



#14
Carbon disulfide
Concen: 0.128 ug/L
RT: 2.246 min Scan# 375
Delta R.T. 0.007 min
Lab File: VV033287.D
Acq: 13 Dec 2023 19:34

Tgt Ion: 76 Resp: 2990
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0





#22

cis-1,2-Dichloroethene

Concen: 1.105 ug/L

RT: 3.818 min Scan# 8

Delta R.T. 0.007 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

E0Y59

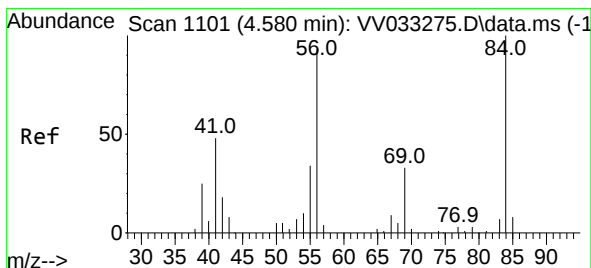
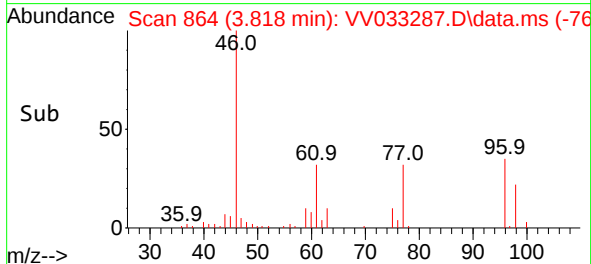
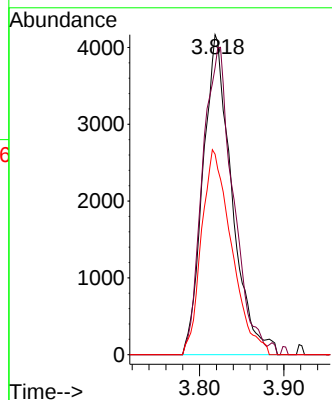
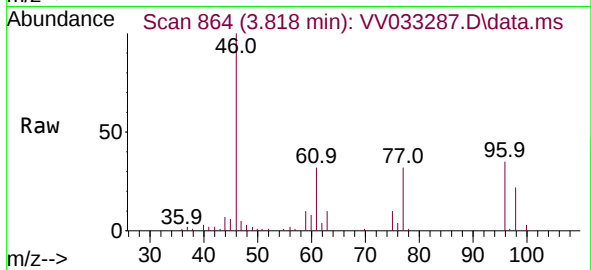
Tgt Ion: 96 Resp: 9898

Ion Ratio Lower Upper

96 100

61 89.7 69.9 129.9

98 62.7 42.4 78.8



#30

Cyclohexane

Concen: 0.211 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

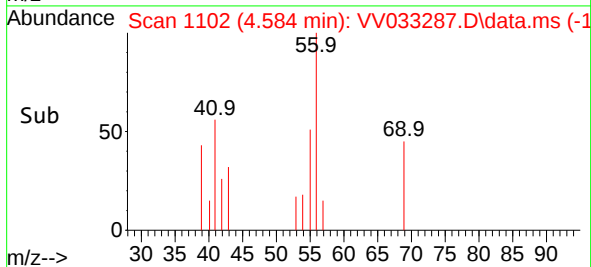
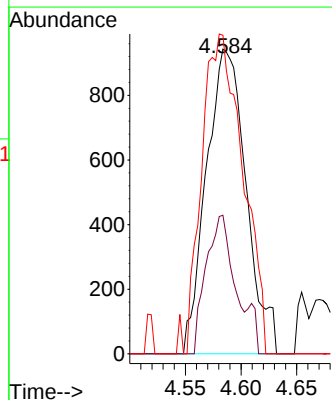
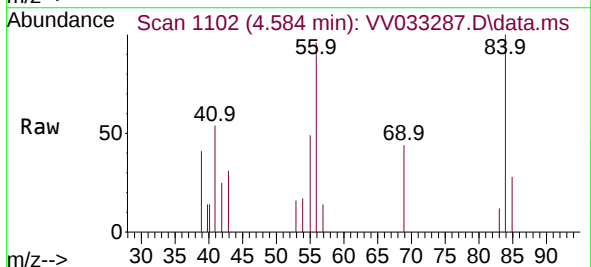
Tgt Ion: 56 Resp: 2348

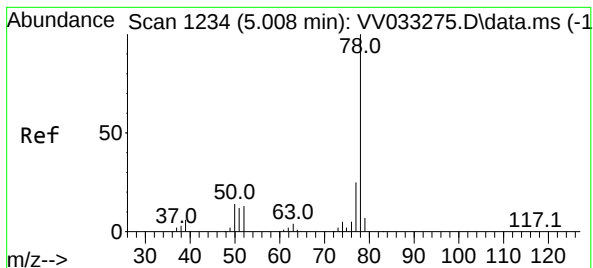
Ion Ratio Lower Upper

56 100

69 31.1 28.8 43.2

84 107.5 86.2 129.4





#33

Benzene

Concen: 0.273 ug/L

RT: 5.015 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

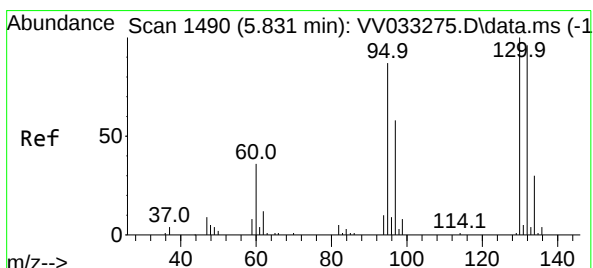
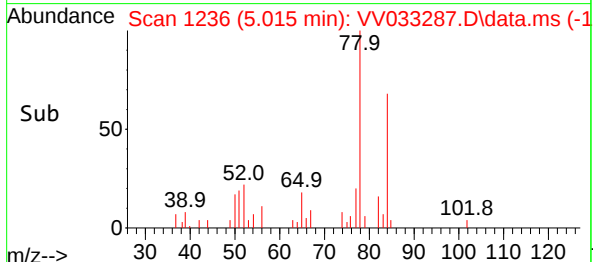
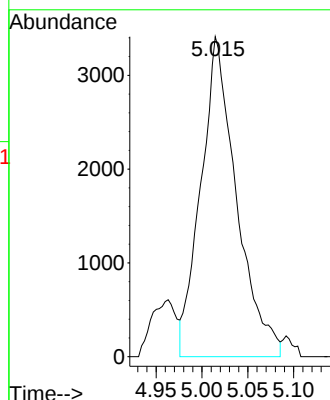
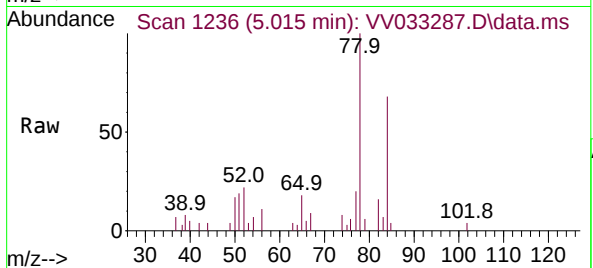
Instrument :

MSVOA_V

ClientSampleId :

E0Y59

Tgt Ion: 78 Resp: 9218



#34

Trichloroethene

Concen: 3.507 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

Tgt Ion: 95 Resp: 34487

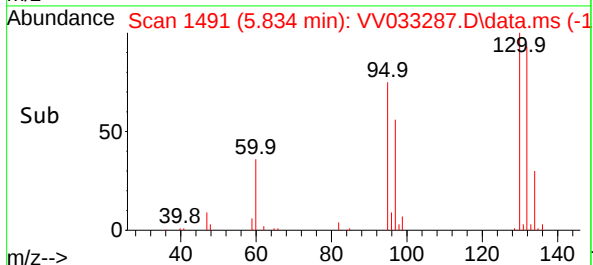
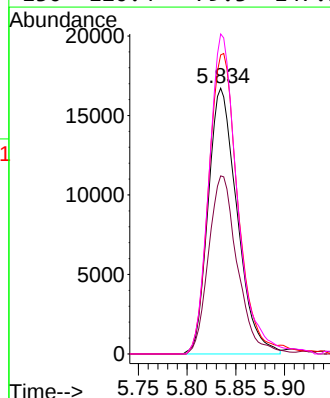
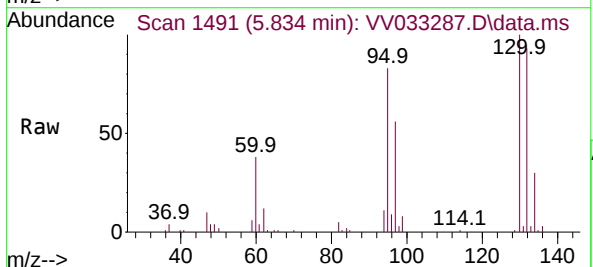
Ion Ratio Lower Upper

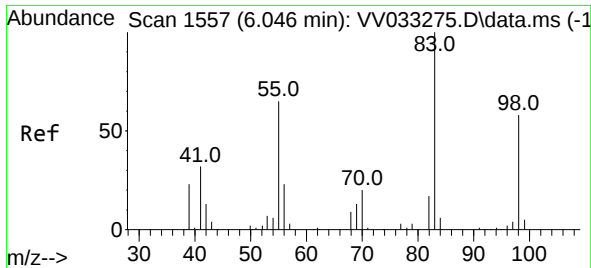
95 100

97 67.0 46.5 86.5

132 112.5 75.1 139.5

130 120.4 79.3 147.3

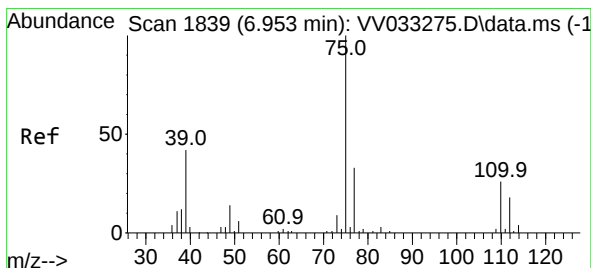
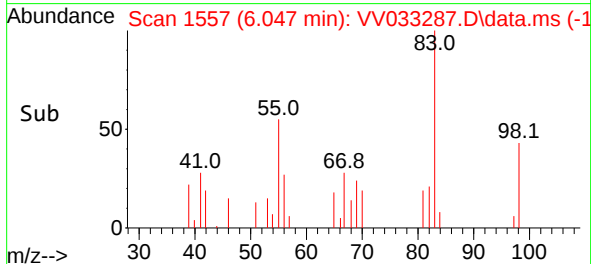
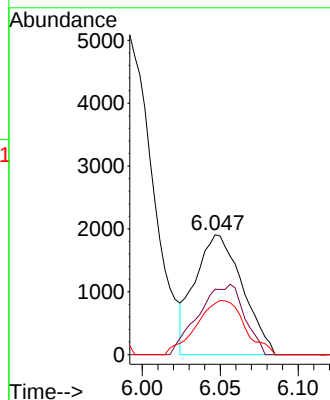
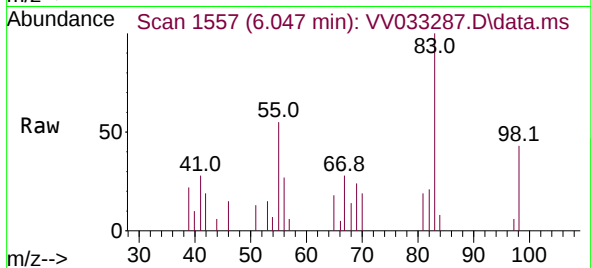




#35
Methylcyclohexane
Concen: 0.276 ug/L
RT: 6.047 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033287.D
Acq: 13 Dec 2023 19:34

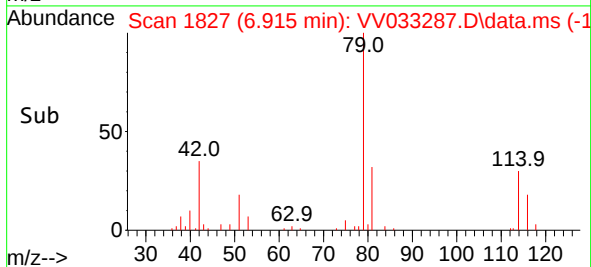
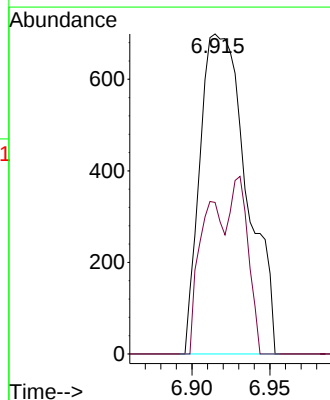
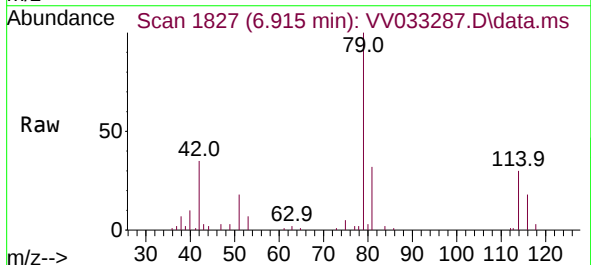
Instrument :
MSVOA_V
ClientSampleId :
E0Y59

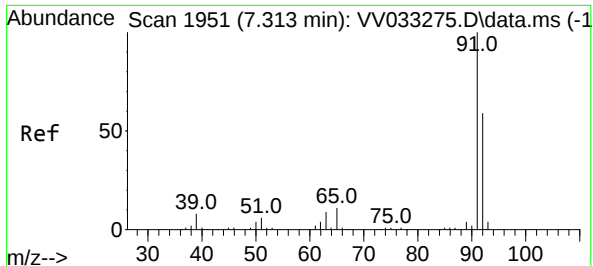
Tgt Ion: 83	Resp:	4023	
Ion	Ratio	Lower	Upper
83	100		
55	56.5	50.7	76.1
98	45.6	42.4	63.6



#39
cis-1,3-Dichloropropene
Concen: 0.132 ug/L
RT: 6.915 min Scan# 1827
Delta R.T. -0.038 min
Lab File: VV033287.D
Acq: 13 Dec 2023 19:34

Tgt Ion: 75	Resp:	1458	
Ion Ratio	Lower	Upper	
75 100			
77 47.4	22.1	41.1#	





#42

Toluene

Concen: 0.827 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.007 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

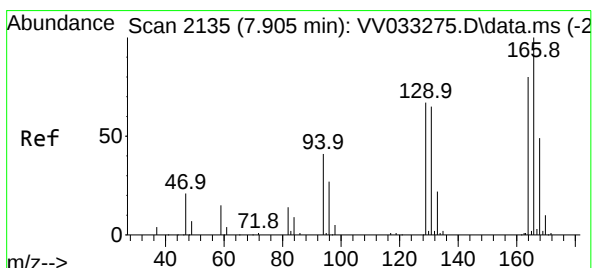
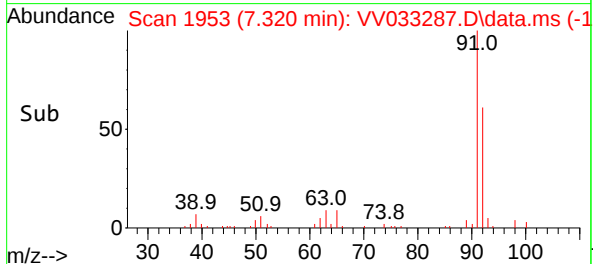
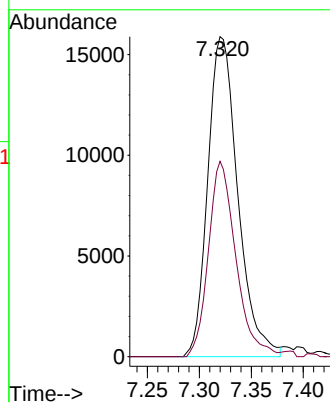
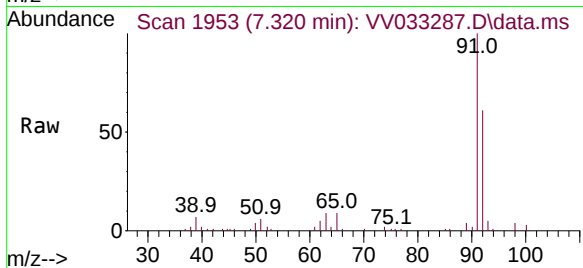
E0Y59

Tgt Ion: 91 Resp: 31953

Ion Ratio Lower Upper

91 100

92 61.0 40.2 74.6



#47

Tetrachloroethene

Concen: 0.369 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

Tgt Ion: 164 Resp: 3436

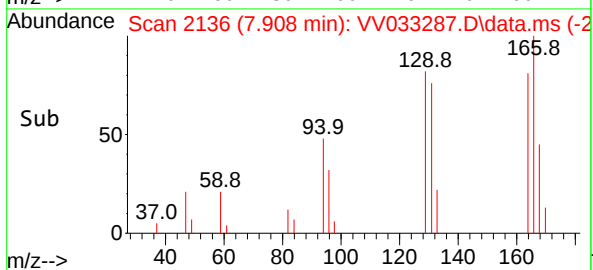
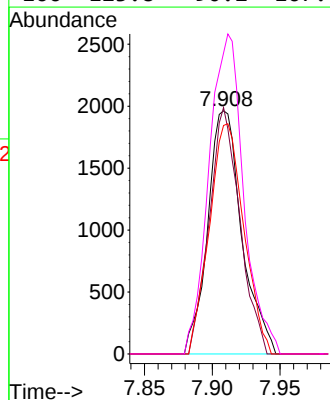
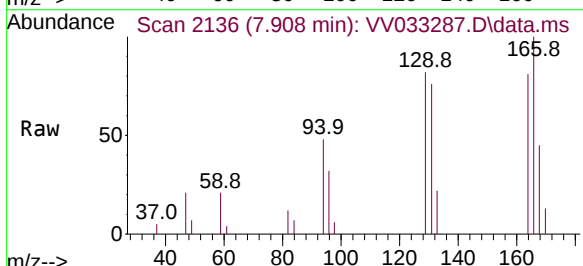
Ion Ratio Lower Upper

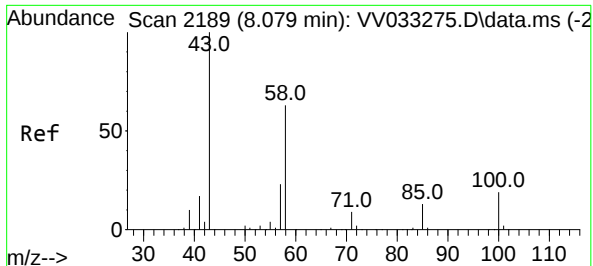
164 100

129 101.3 62.6 116.3

131 94.0 62.6 116.3

166 123.8 90.2 167.6

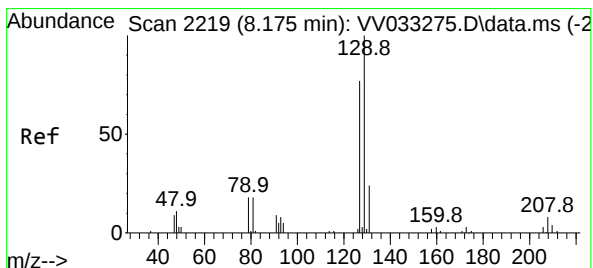
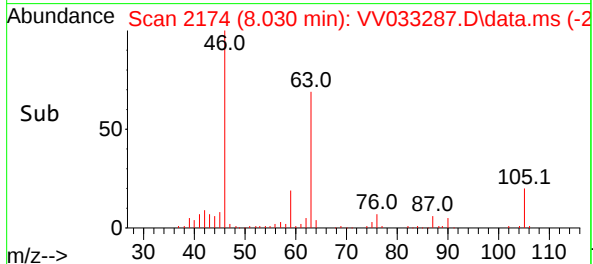
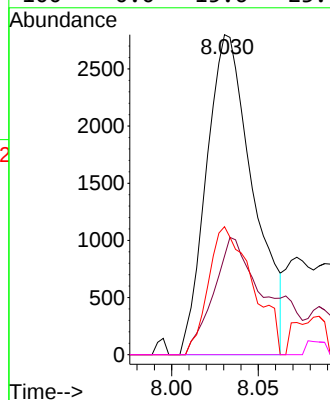
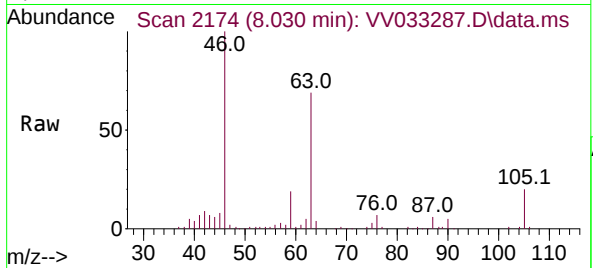




#48
2-Hexanone
Concen: 3.039 ug/L
RT: 8.030 min Scan# 2189
Delta R.T. -0.048 min
Lab File: VV033287.D
Acq: 13 Dec 2023 19:34

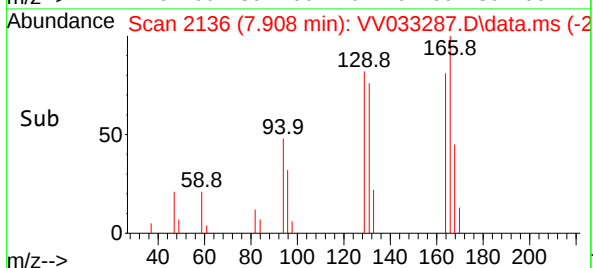
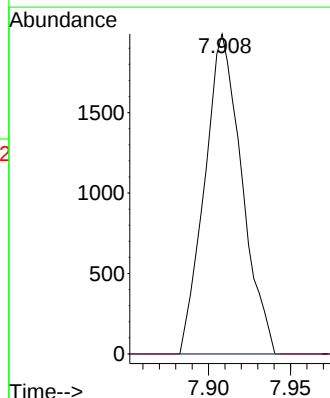
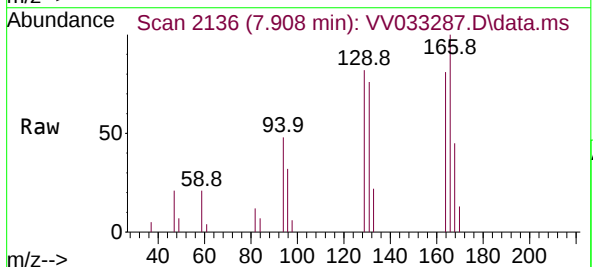
Instrument :
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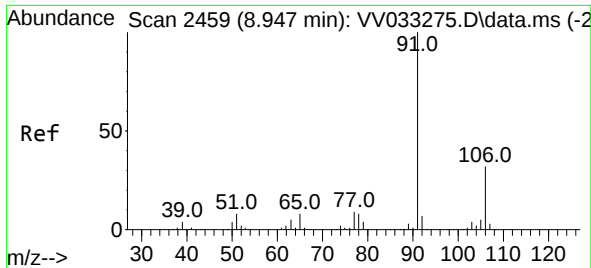
Tgt Ion: 43	Resp: 5259
Ion Ratio	Lower Upper
43 100	
58 42.6	48.6 72.8#
57 37.7	18.1 27.1#
100 0.0	15.6 23.4#



#49
Dibromochloromethane
Concen: 0.427 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.267 min
Lab File: VV033287.D
Acq: 13 Dec 2023 19:34

Tgt Ion:129	Resp:	3131	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.2	98.8#





#52

Ethylbenzene

Concen: 0.203 ug/L

RT: 8.953 min Scan# 24

Delta R.T. 0.007 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

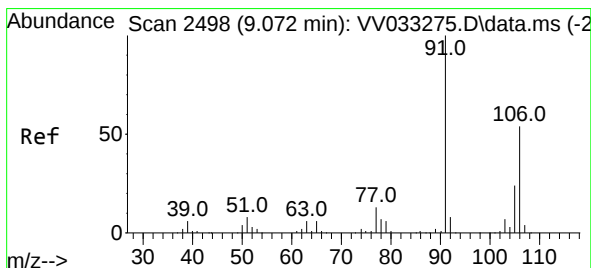
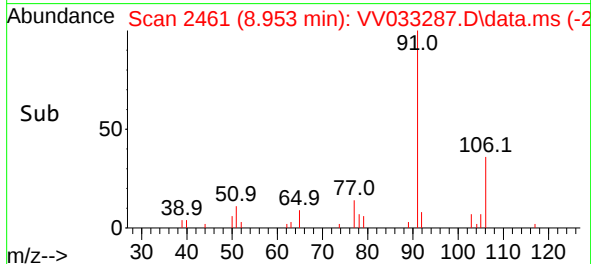
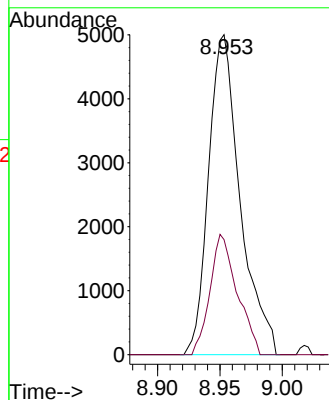
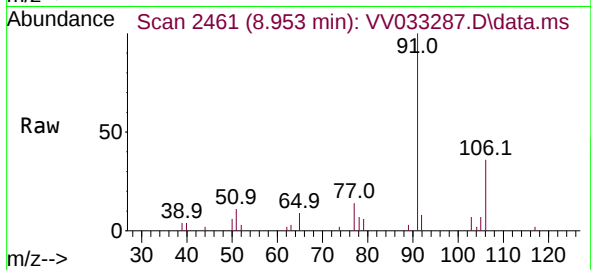
E0Y59

Tgt Ion: 91 Resp: 8805

Ion Ratio Lower Upper

91 100

106 35.9 22.7 42.3



#53

m,p-Xylene

Concen: 0.261 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.007 min

Lab File: VV033287.D

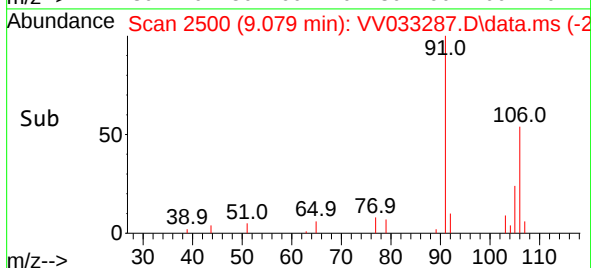
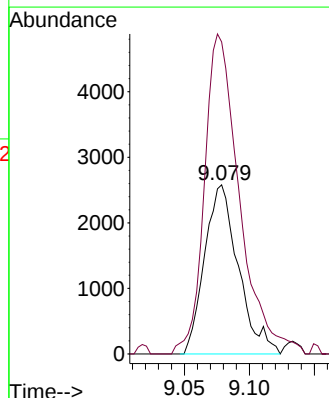
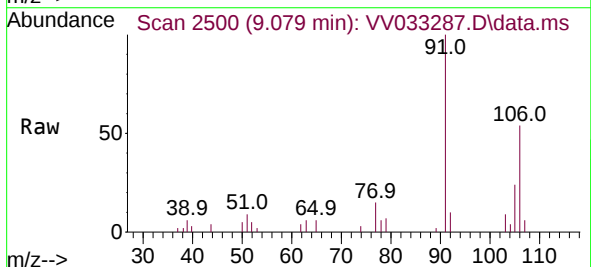
Acq: 13 Dec 2023 19:34

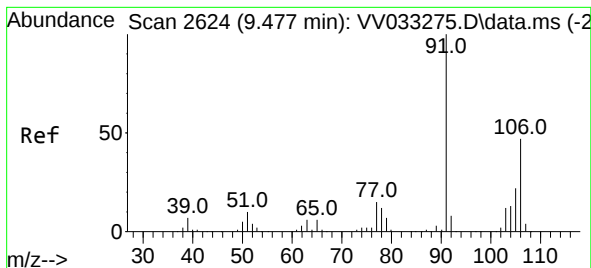
Tgt Ion:106 Resp: 4655

Ion Ratio Lower Upper

106 100

91 184.4 136.8 254.0





#54

o-Xylene

Concen: 0.139 ug/L

RT: 9.484 min Scan# 2

Delta R.T. 0.007 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

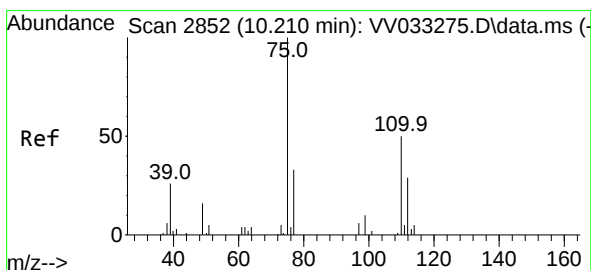
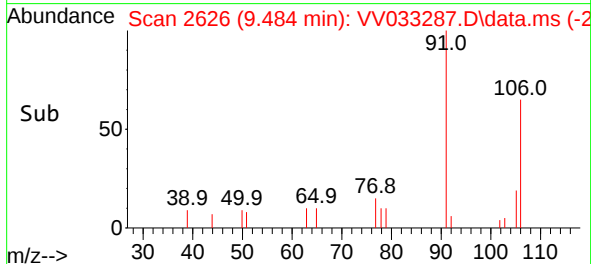
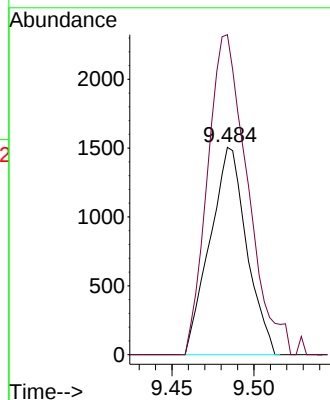
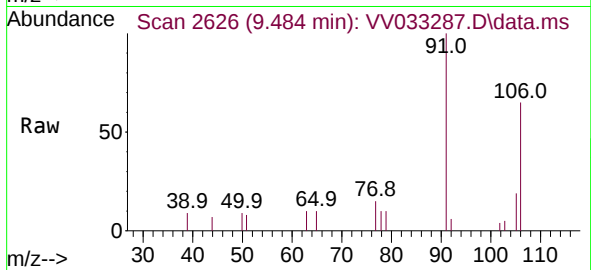
E0Y59

Tgt Ion:106 Resp: 2338

Ion Ratio Lower Upper

106 100

91 154.3 149.9 278.5



#61

1,2,3-Trichloropropane

Concen: 1.529 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.978 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

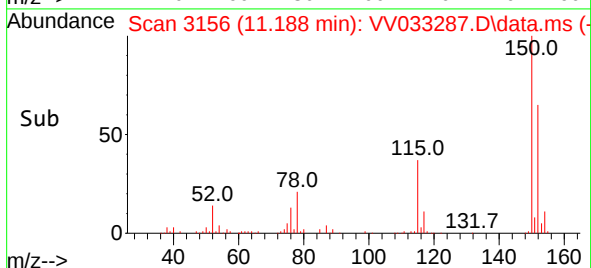
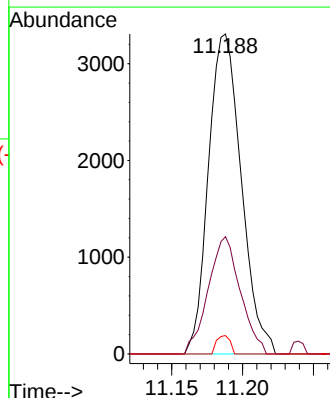
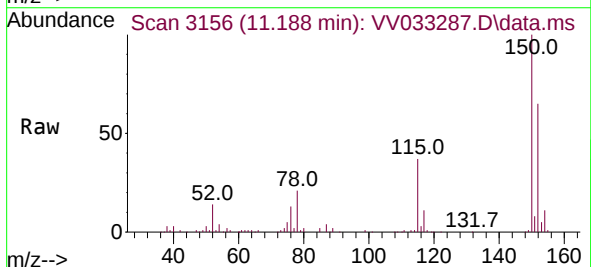
Tgt Ion: 75 Resp: 5324

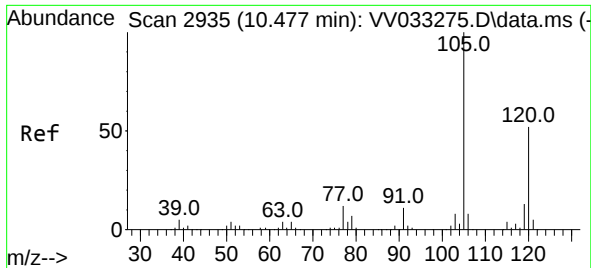
Ion Ratio Lower Upper

75 100

77 35.8 27.4 41.2

110 2.4 39.4 59.2#





#62

1,3,5-Trimethylbenzene

Concen: 0.134 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.380 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

Instrument :

MSVOA_V

ClientSampleId :

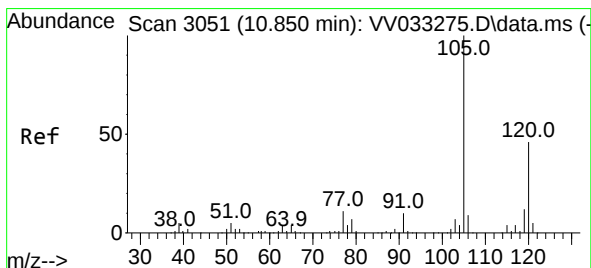
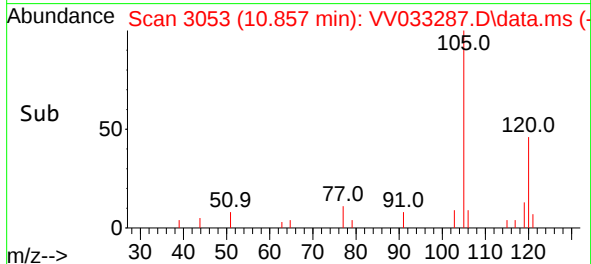
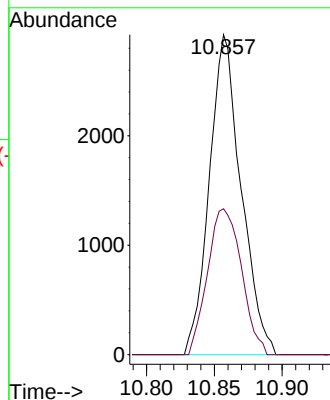
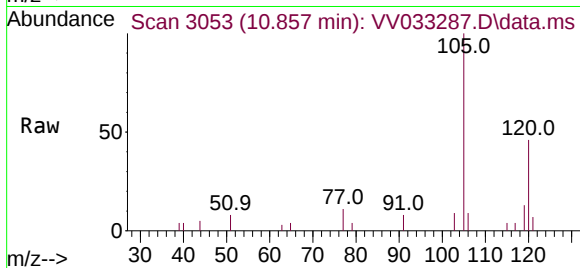
E0Y59

Tgt Ion:105 Resp: 4767

Ion Ratio Lower Upper

105 100

120 48.7 41.7 62.5



#63

1,2,4-Trimethylbenzene

Concen: 0.135 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.007 min

Lab File: VV033287.D

Acq: 13 Dec 2023 19:34

Tgt Ion:105 Resp: 4767

Ion Ratio Lower Upper

105 100

120 48.7 38.1 57.1

