

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033292.D
 Acq On : 13 Dec 2023 21:32
 Operator : SY/MD
 Sample : 05731-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EOY64

Quant Time: Dec 13 23:37:07 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	124650	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	125934	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	62466	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	39198	4.905	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.532	69	30946	5.207	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.200%
11) 1,1-Dichloroethene-d2	2.060	65	15134	4.759	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	3.805	46	52216	55.218	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.440%
24) Chloroform-d	4.249	84	88060	5.284	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.600%
26) 1,2-Dichloroethane-d4	4.947	65	41142	5.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.600%
32) Benzene-d6	4.960	84	168423	5.170	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
36) 1,2-Dichloropropane-d6	5.989	67	39436	5.318	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.400%
41) Toluene-d8	7.243	98	155825	4.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
43) trans-1,3-Dichloroprop...	7.558	79	16169	4.780	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.030	63	54682	57.903	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.800%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	27112	5.406	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	63846	5.803	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.000%
Target Compounds						
5) Vinyl chloride	1.281	62	2889	0.321	ug/L #	65
14) Carbon disulfide	2.243	76	4008	0.172	ug/L	97
15) Methyl Acetate	2.407	43	322	0.182	ug/L #	49
22) cis-1,2-Dichloroethene	3.818	96	2287	0.256	ug/L	95
30) Cyclohexane	4.580	56	2121	0.190	ug/L #	92
33) Benzene	5.014	78	7116	0.211	ug/L	100
34) Trichloroethene	5.834	95	28437	2.890	ug/L	98
35) Methylcyclohexane	6.050	83	2662	0.183	ug/L #	86
39) cis-1,3-Dichloropropene	6.915	75	1241	0.113	ug/L #	67
42) Toluene	7.323	91	20110	0.520	ug/L	100
44) trans-1,3-Dichloropropene	7.564	75	778	0.085	ug/L #	73
47) Tetrachloroethene	7.908	164	1420	0.152	ug/L #	76
49) Dibromochloromethane	7.911	129	1391	0.190	ug/L #	11
52) Ethylbenzene	8.953	91	5520	0.127	ug/L	99
53) m,p-Xylene	9.082	106	2896	0.162	ug/L	81
54) o-Xylene	9.487	106	1307	0.077	ug/L	95
61) 1,2,3-Trichloropropane	11.185	75	5255	1.587	ug/L #	56
63) 1,2,4-Trimethylbenzene	10.860	105	2958	0.088	ug/L	96

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E0Y64

Quant Time: Dec 13 23:37:07 2023
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 23:30:39 2023
Response via : Initial Calibration

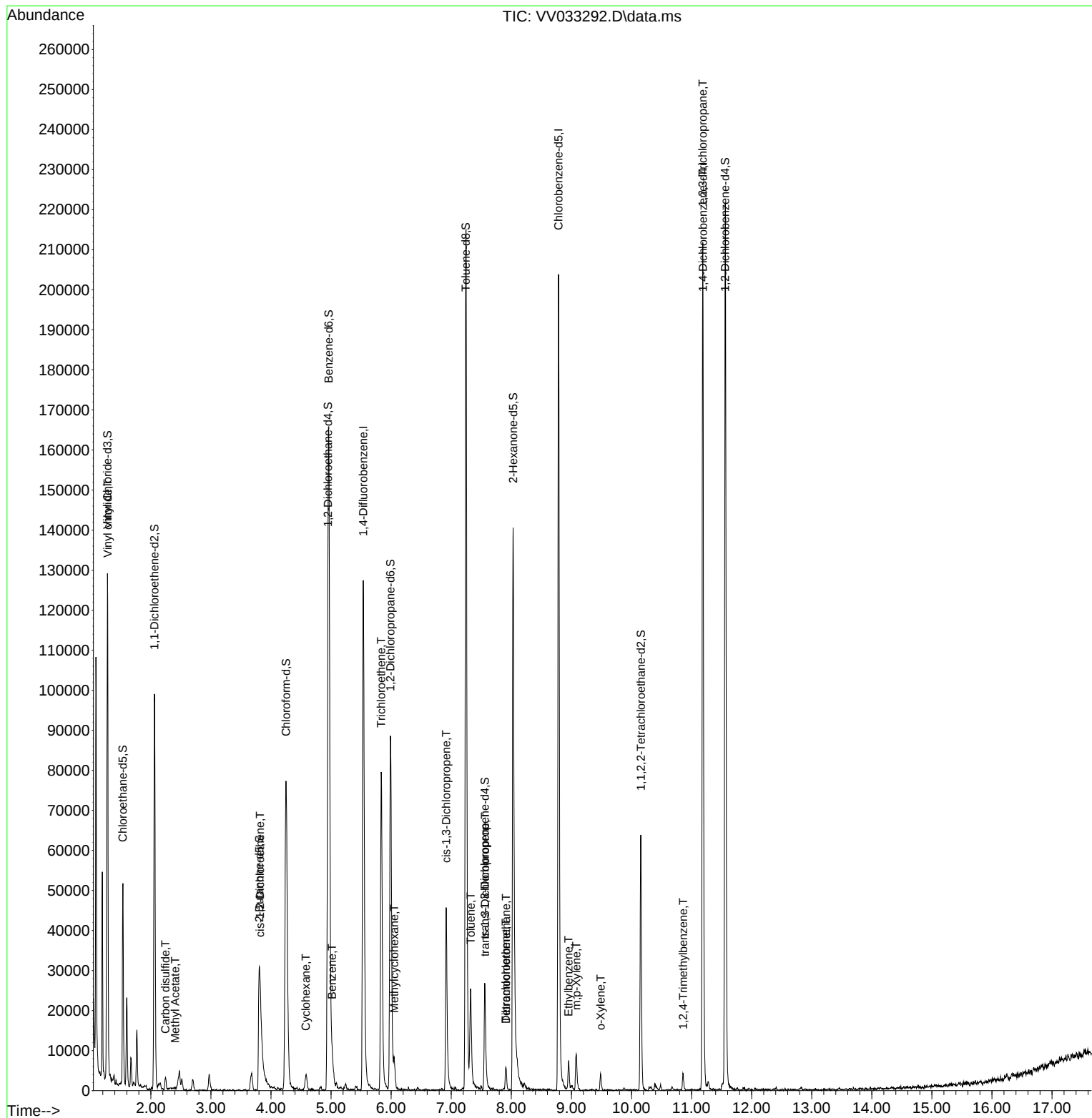
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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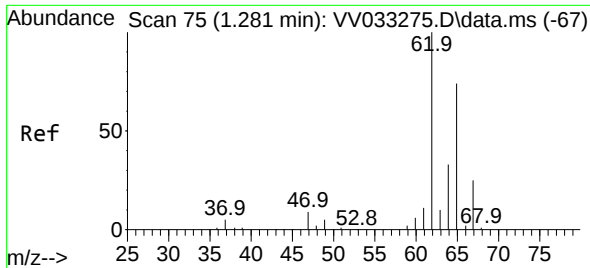
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033292.D
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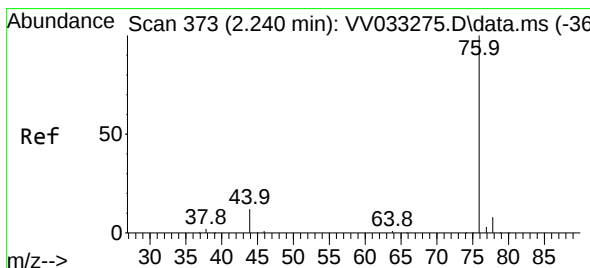
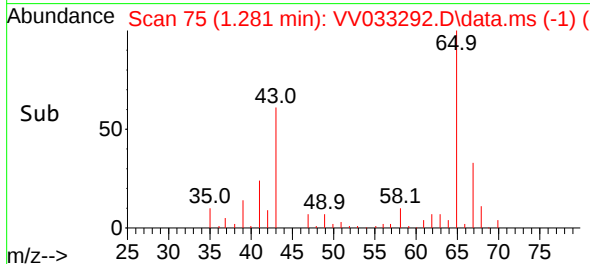
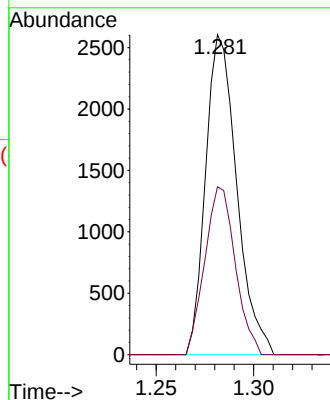
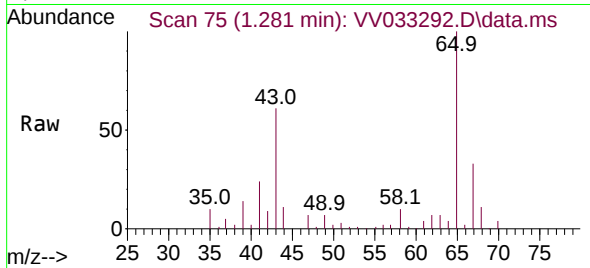




#5
 Vinyl chloride
 Concen: 0.321 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV033292.D
 Acq: 13 Dec 2023 21:32

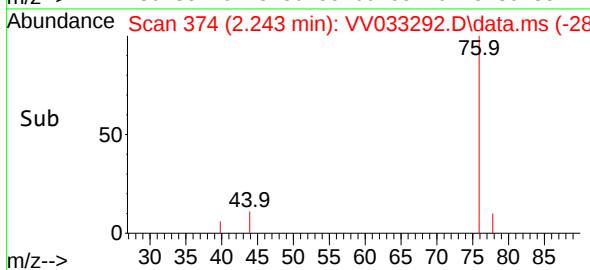
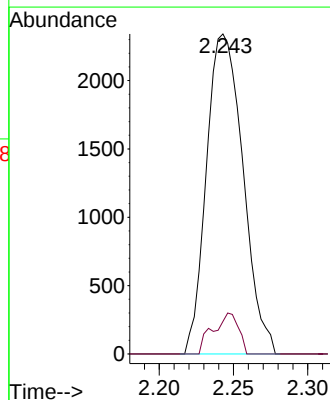
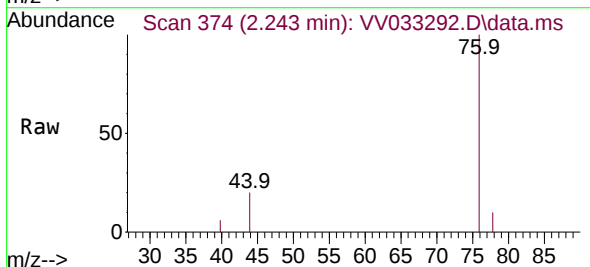
Instrument :
 MSVOA_V
 ClientSampleId :
 E0Y64

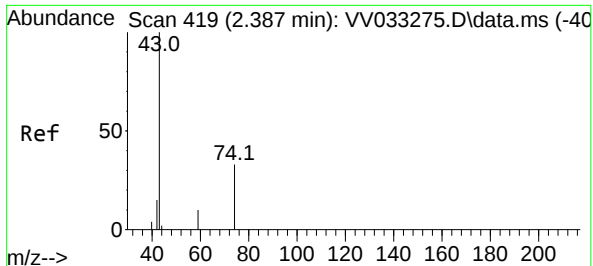
Tgt Ion: 62 Resp: 2889
 Ion Ratio Lower Upper
 62 100
 64 52.4 23.0 42.8#



#14
 Carbon disulfide
 Concen: 0.172 ug/L
 RT: 2.243 min Scan# 374
 Delta R.T. 0.003 min
 Lab File: VV033292.D
 Acq: 13 Dec 2023 21:32

Tgt Ion: 76 Resp: 4008
 Ion Ratio Lower Upper
 76 100
 78 10.2 7.4 11.0

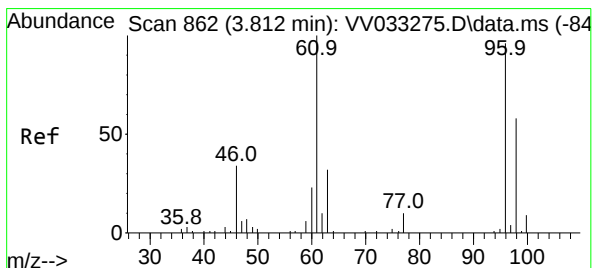
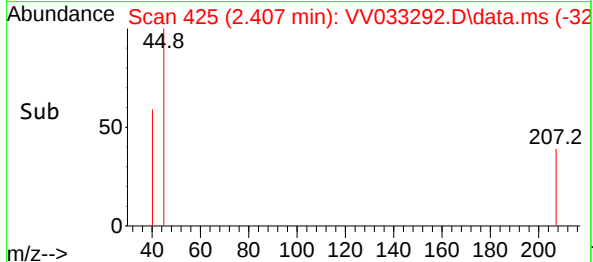
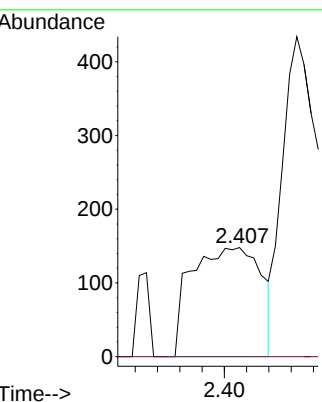
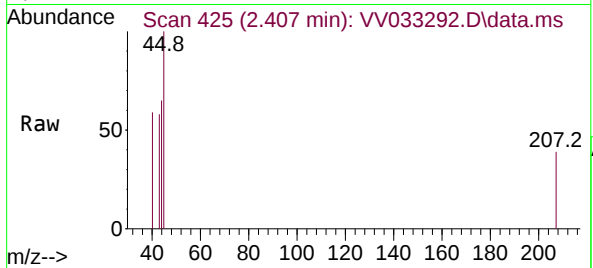




#15
Methyl Acetate
Concen: 0.182 ug/L
RT: 2.407 min Scan# 419
Delta R.T. 0.019 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

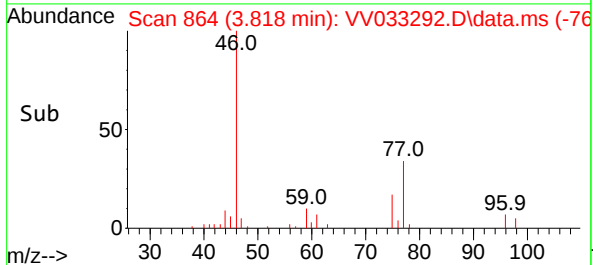
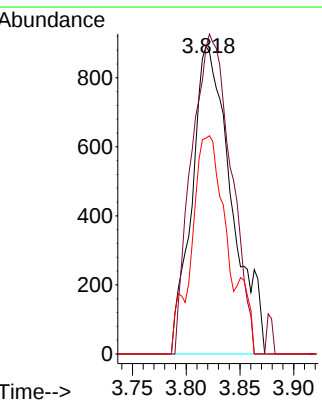
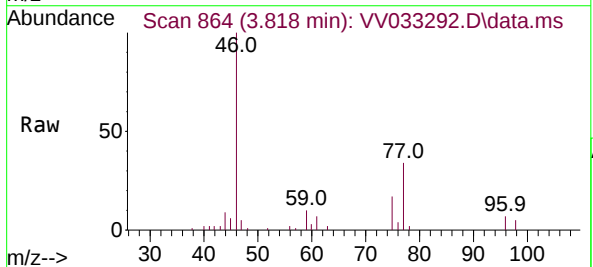
Instrument :
MSVOA_V
ClientSampleId :
E0Y64

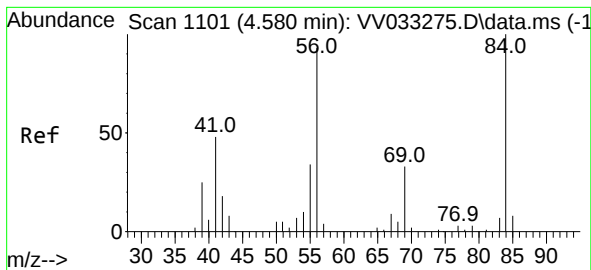
Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#22
cis-1,2-Dichloroethene
Concen: 0.256 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.006 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion: 96 Resp: 2287
Ion Ratio Lower Upper
96 100
61 99.6 69.9 129.9
98 70.1 42.4 78.8





#30

Cyclohexane

Concen: 0.190 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV033292.D

Acq: 13 Dec 2023 21:32

Instrument :

MSVOA_V

ClientSampleId :

E0Y64

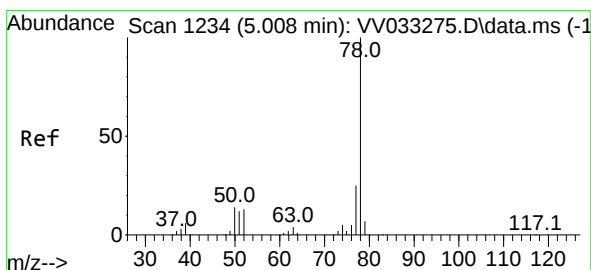
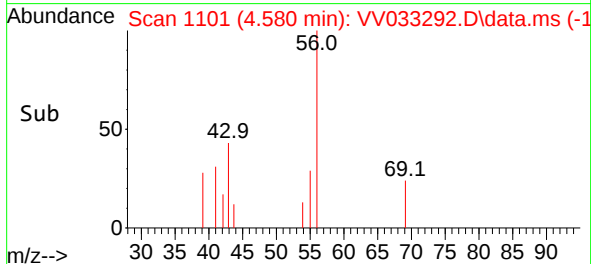
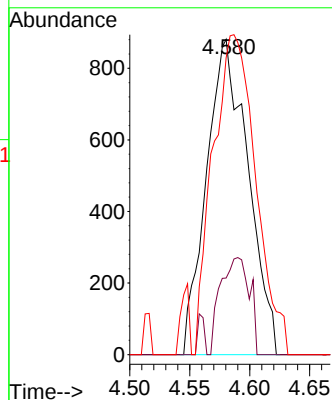
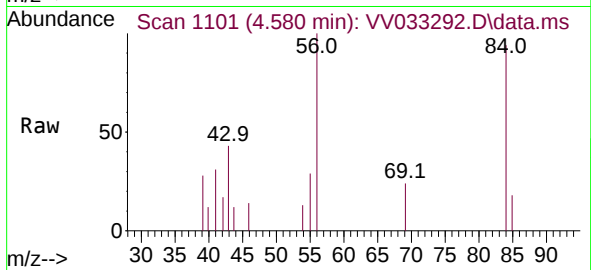
Tgt Ion: 56 Resp: 2121

Ion Ratio Lower Upper

56 100

69 21.5 28.8 43.2#

84 104.8 86.2 129.4



#33

Benzene

Concen: 0.211 ug/L

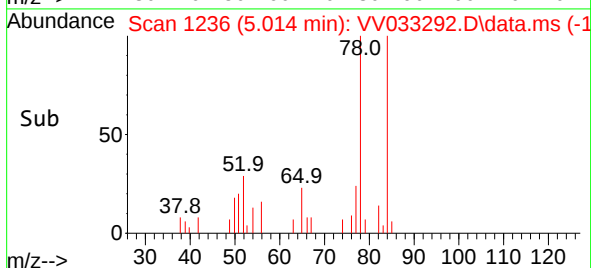
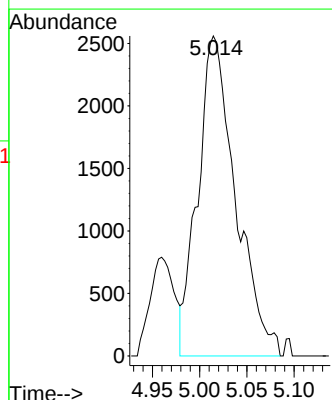
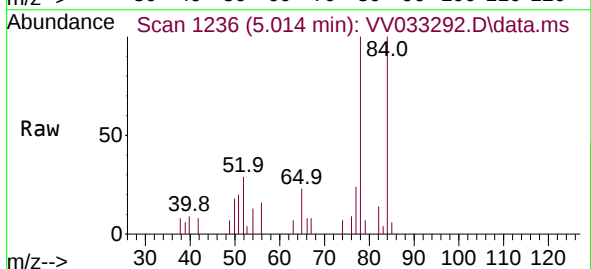
RT: 5.014 min Scan# 1236

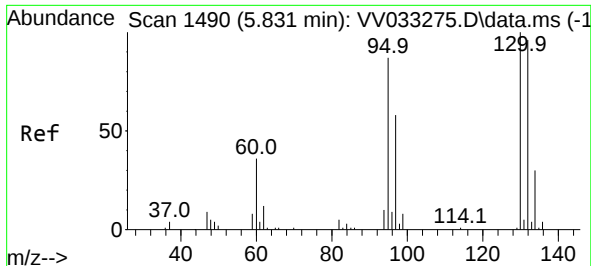
Delta R.T. 0.006 min

Lab File: VV033292.D

Acq: 13 Dec 2023 21:32

Tgt Ion: 78 Resp: 7116



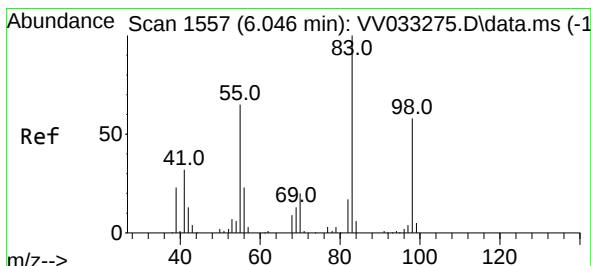
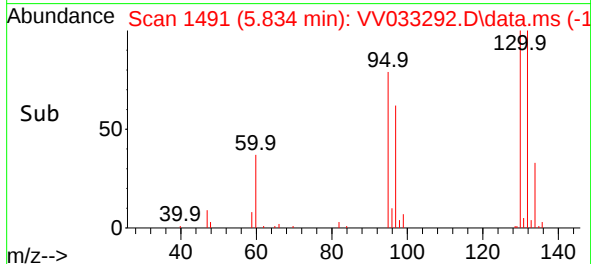
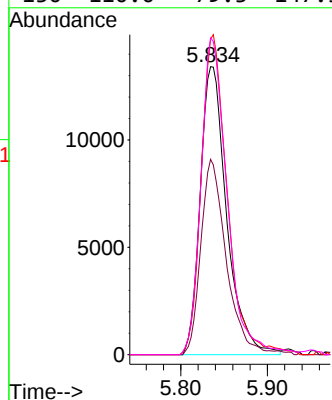
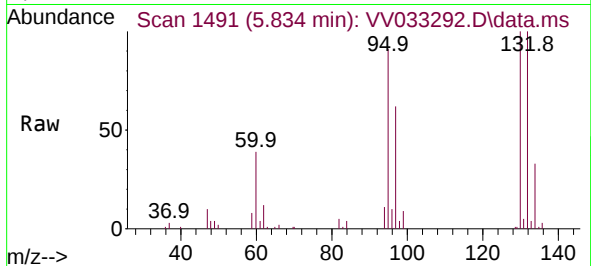


#34
Trichloroethene
Concen: 2.890 ug/L
RT: 5.834 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Tgt Ion: 95 Resp: 28437

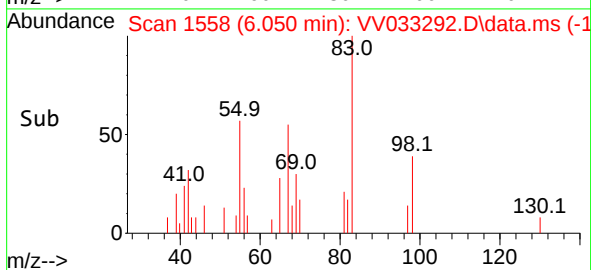
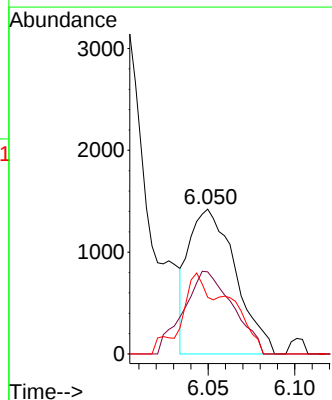
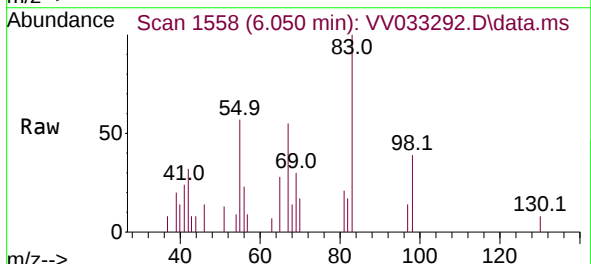
Ion	Ratio	Lower	Upper
95	100		
97	67.8	46.5	86.5
132	109.6	75.1	139.5
130	110.0	79.3	147.3

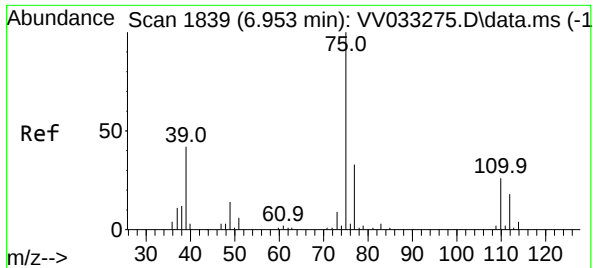


#35
Methylcyclohexane
Concen: 0.183 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion: 83 Resp: 2662

Ion	Ratio	Lower	Upper
83	100		
55	60.3	50.7	76.1
98	33.8	42.4	63.6





#39

cis-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 6.915 min Scan# 1827

Delta R.T. -0.039 min

Lab File: VV033292.D

Acq: 13 Dec 2023 21:32

Instrument :

MSVOA_V

ClientSampleId :

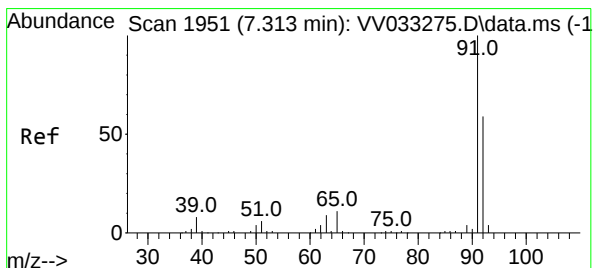
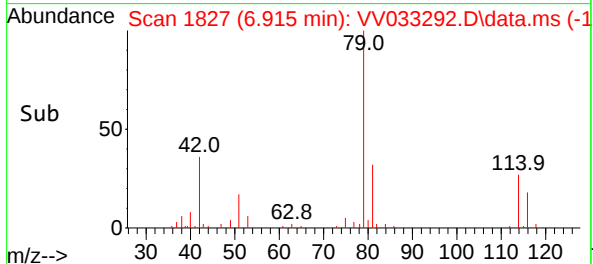
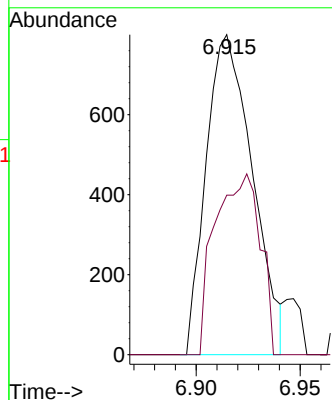
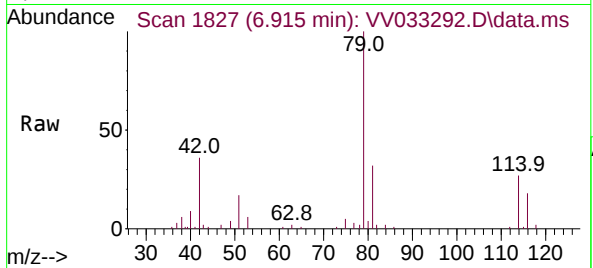
E0Y64

Tgt Ion: 75 Resp: 1241

Ion Ratio Lower Upper

75 100

77 49.9 22.1 41.1#



#42

Toluene

Concen: 0.520 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.010 min

Lab File: VV033292.D

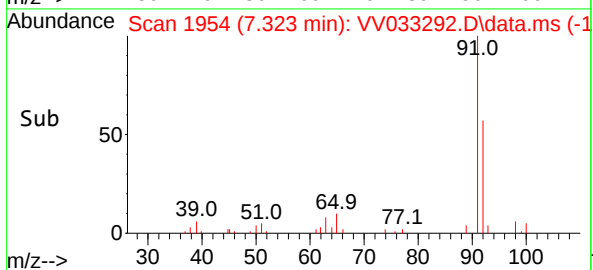
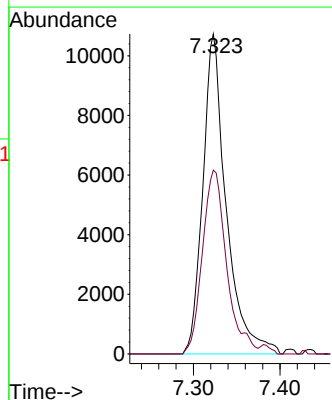
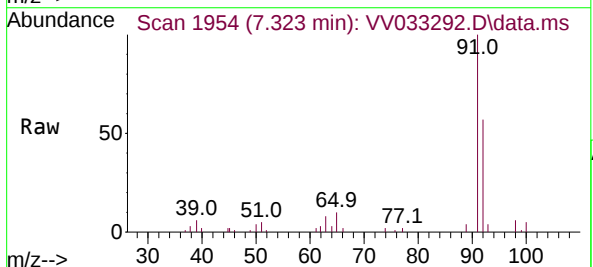
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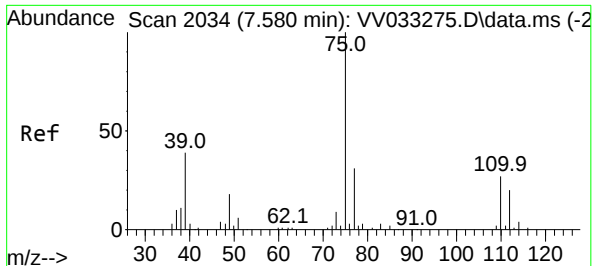
Tgt Ion: 91 Resp: 20110

Ion Ratio Lower Upper

91 100

92 57.5 40.2 74.6

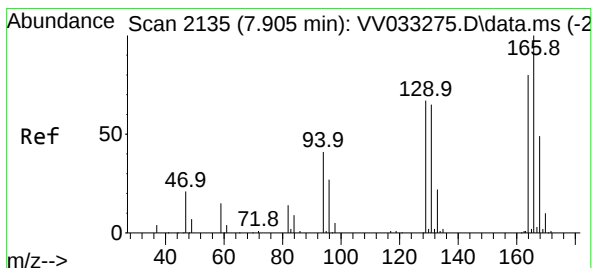
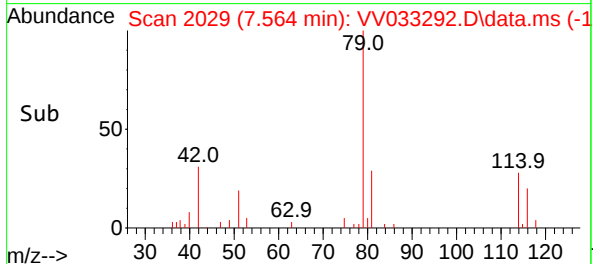
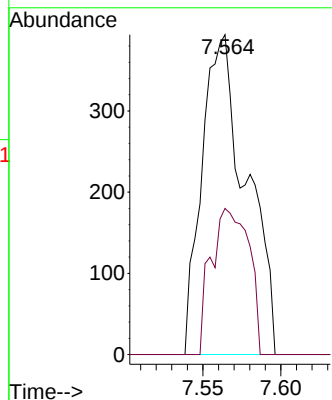
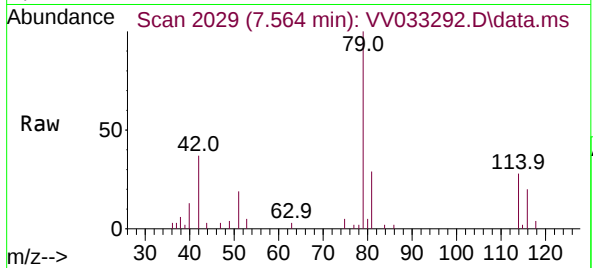




#44
trans-1,3-Dichloropropene
Concen: 0.085 ug/L
RT: 7.564 min Scan# 2034
Delta R.T. -0.016 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

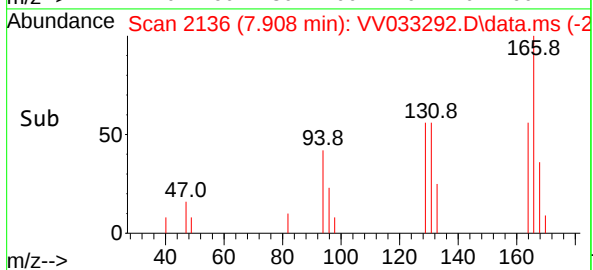
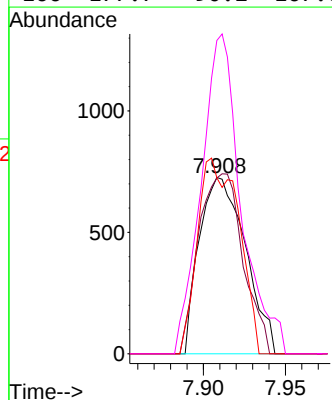
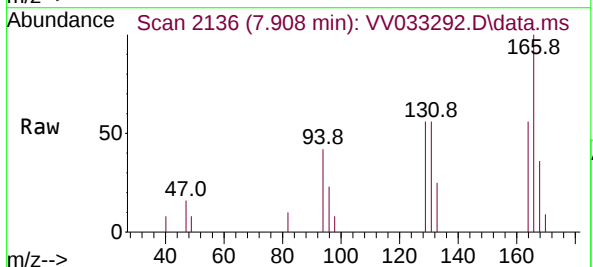
Instrument :
MSVOA_V
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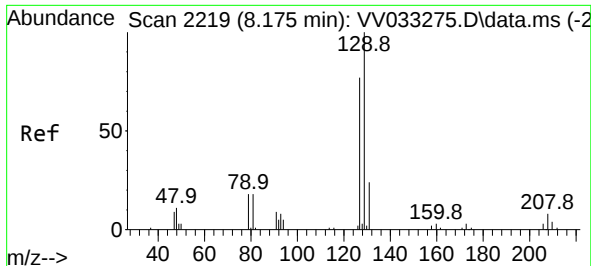
Tgt Ion: 75 Resp: 778
Ion Ratio Lower Upper
75 100
77 45.7 21.7 40.3#



#47
Tetrachloroethene
Concen: 0.152 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion: 164 Resp: 1420
Ion Ratio Lower Upper
164 100
129 99.7 62.6 116.3
131 99.9 62.6 116.3
166 177.7 90.2 167.6#





#49

Dibromochloromethane

Concen: 0.190 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.264 min

Lab File: VV033292.D

Acq: 13 Dec 2023 21:32

Instrument :

MSVOA_V

ClientSampleId :

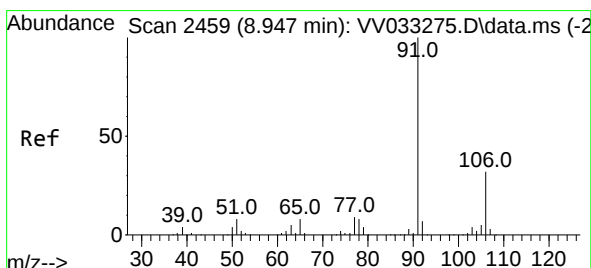
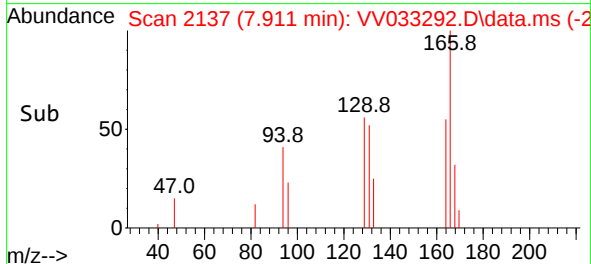
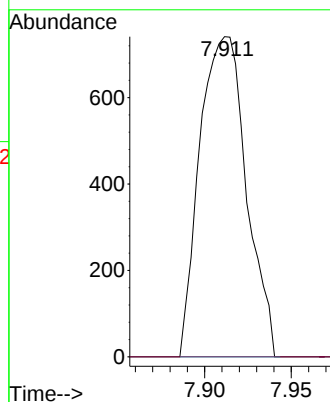
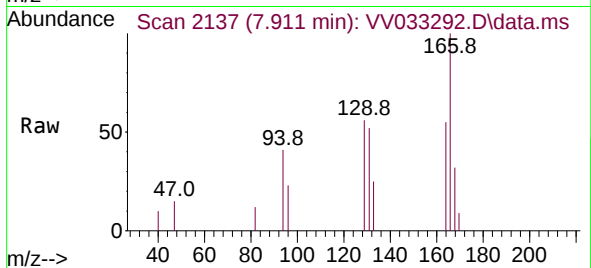
E0Y64

Tgt Ion:129 Resp: 1391

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



#52

Ethylbenzene

Concen: 0.127 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.006 min

Lab File: VV033292.D

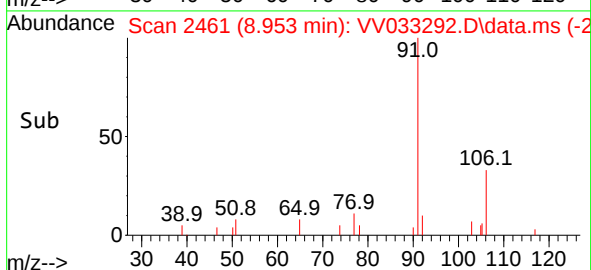
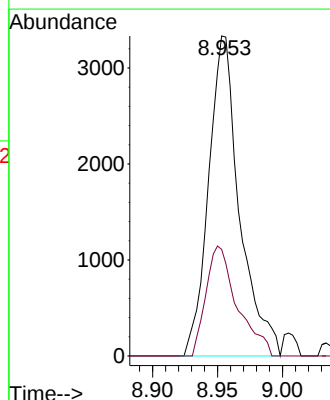
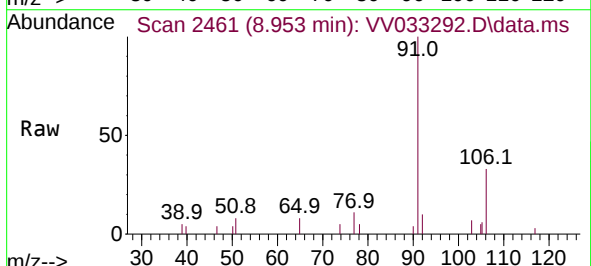
Acq: 13 Dec 2023 21:32

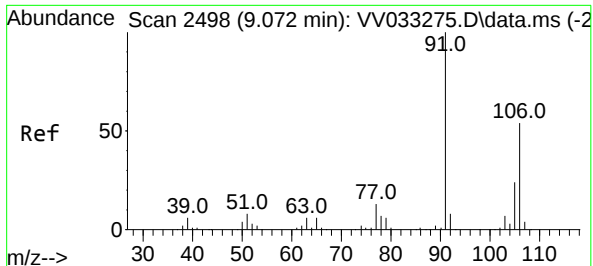
Tgt Ion: 91 Resp: 5520

Ion Ratio Lower Upper

91 100

106 33.3 22.7 42.3

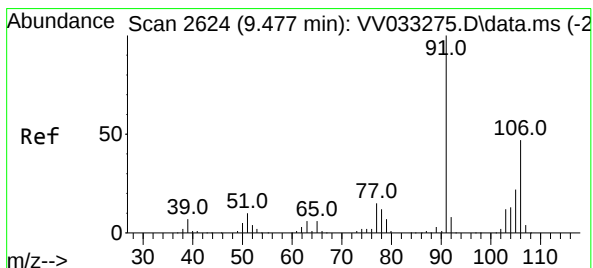
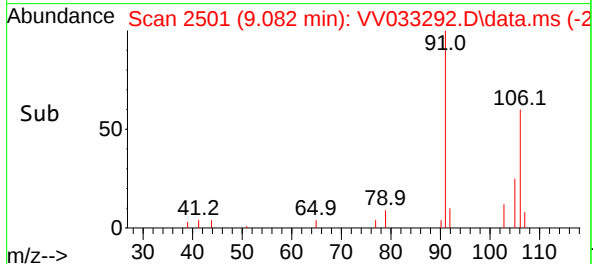
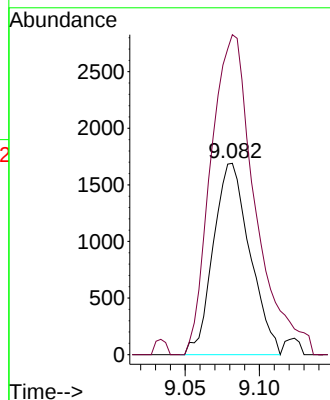
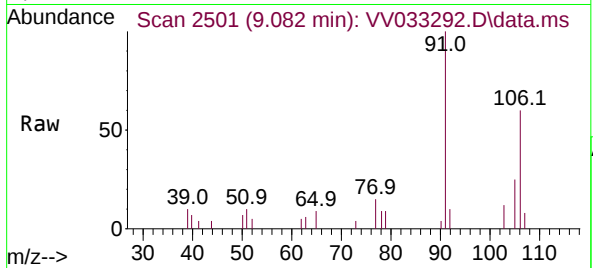




#53
m,p-Xylene
Concen: 0.162 ug/L
RT: 9.082 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

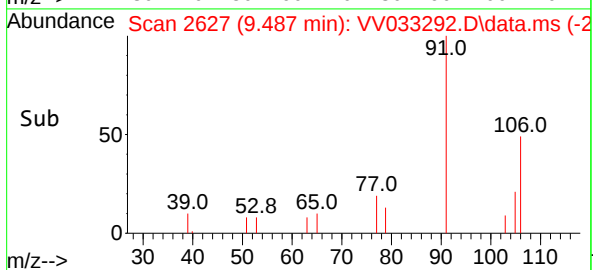
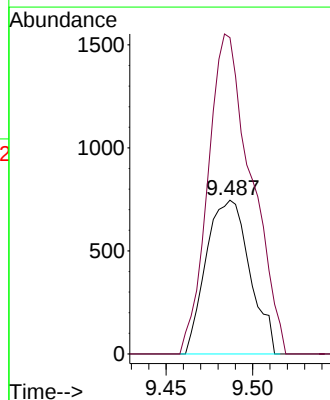
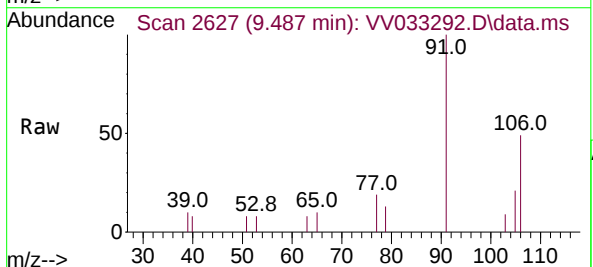
Instrument :
MSVOA_V
ClientSampleId :
E0Y64

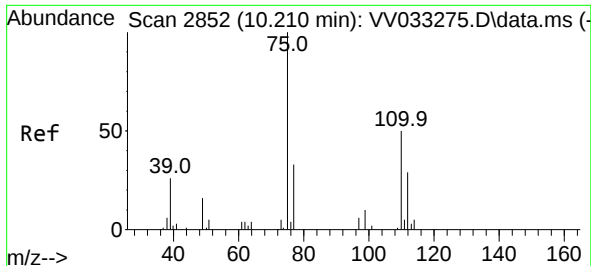
Tgt Ion:106 Resp: 2896
Ion Ratio Lower Upper
106 100
91 167.2 136.8 254.0



#54
o-Xylene
Concen: 0.077 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.010 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion:106 Resp: 1307
Ion Ratio Lower Upper
106 100
91 205.8 149.9 278.5

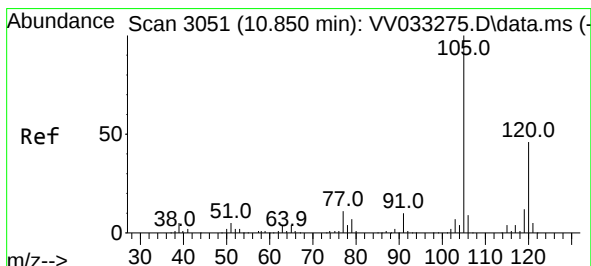
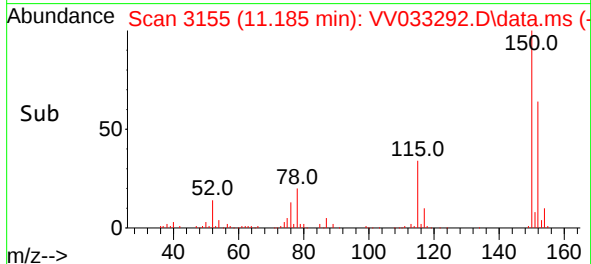
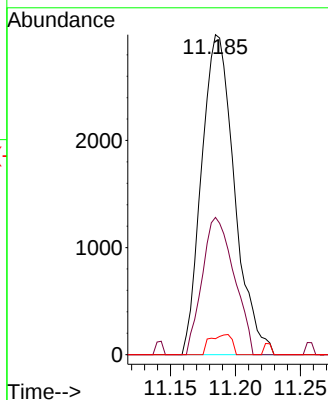
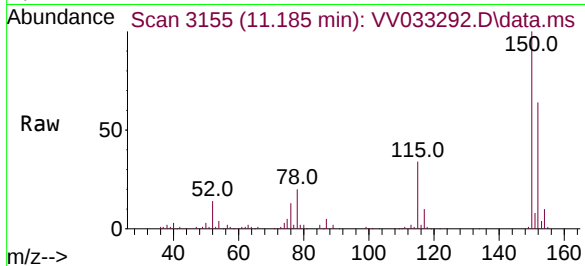




#61
1,2,3-Trichloropropane
Concen: 1.587 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.974 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Tgt Ion: 75 Resp: 5255
Ion Ratio Lower Upper
75 100
77 41.6 27.4 41.2#
110 4.1 39.4 59.2#



#63
1,2,4-Trimethylbenzene
Concen: 0.088 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion: 105 Resp: 2958
Ion Ratio Lower Upper
105 100
120 44.8 38.1 57.1

