

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100523\
 Data File : VV032260.D
 Acq On : 05 Oct 2023 16:58
 Operator : SY/MD
 Sample : 04748-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EX878

Quant Time: Oct 06 01:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 06 01:20:04 2023
 Response via : Initial Calibration

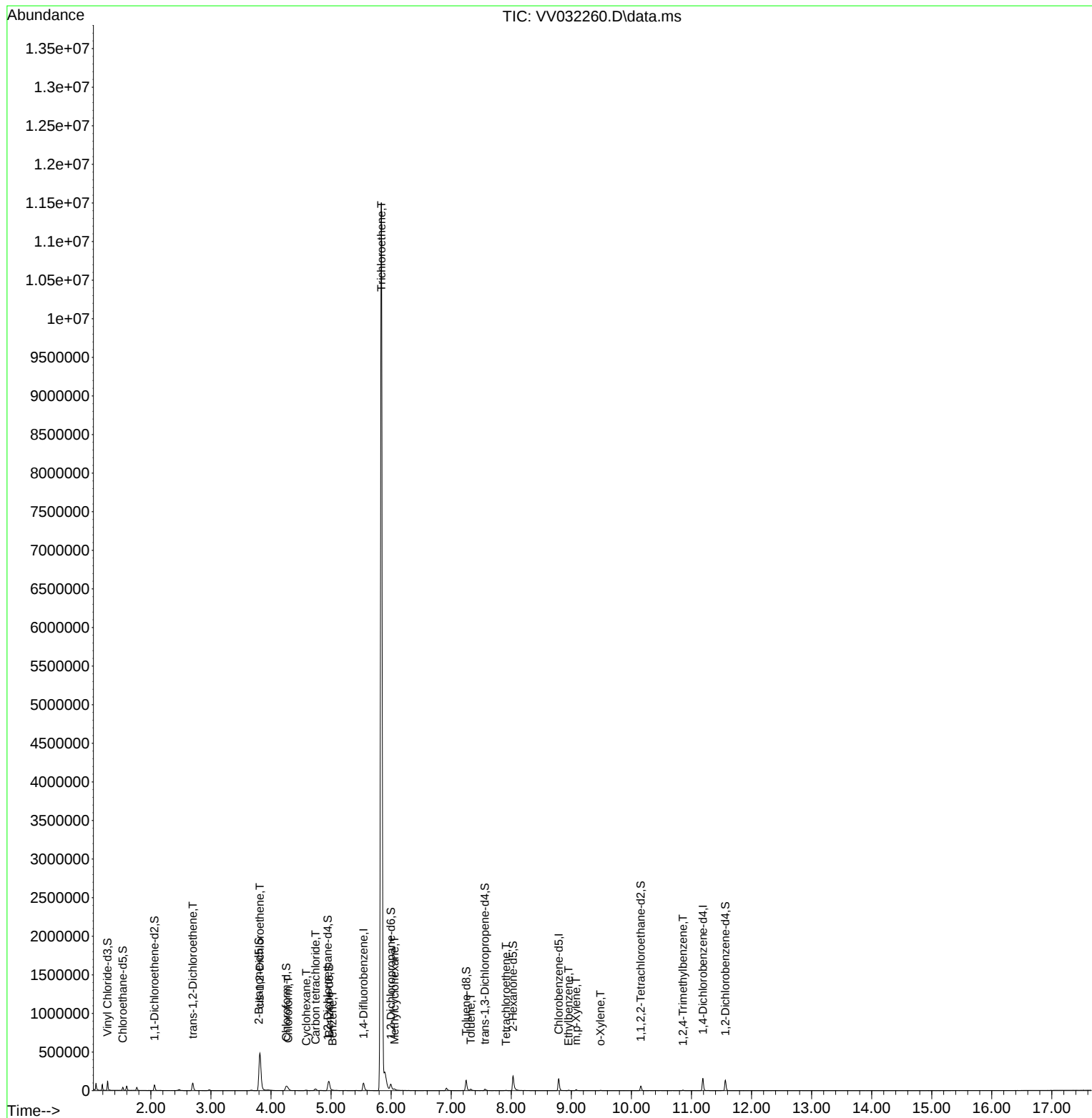
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	86865	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	86834	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	41345	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	28149	3.985	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.532	69	25963	4.527	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.060	65	11812	3.965	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.200%
20) 2-Butanone-d5	3.799	46	95076	53.201	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.400%
24) Chloroform-d	4.256	84	56755	4.554	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	4.947	65	29634	5.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	4.966	84	109368	4.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	5.995	67	38833	4.587	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.249	98	92783	3.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	7.561	79	12554	4.185	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.030	63	71475	50.640	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.280%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	29950	5.058	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	11.564	152	34769	4.532	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
18) trans-1,2-Dichloroethene	2.699	96	35005	4.797	ug/L	96
22) cis-1,2-Dichloroethene	3.815	96	253726	32.293	ug/L	97
25) Chloroform	4.285	83	25860	1.920	ug/L	97
30) Cyclohexane	4.587	56	3156	0.243	ug/L	97
31) Carbon tetrachloride	4.741	117	16856	1.687	ug/L	98
33) Benzene	5.024	78	4809	0.157	ug/L	100
34) Trichloroethene	5.838	95	3996086	478.810	ug/L	97
35) Methylcyclohexane	6.056	83	5388	0.417	ug/L #	72
42) Toluene	7.326	91	14852	0.456	ug/L	100
47) Tetrachloroethene	7.911	164	1237	0.195	ug/L	93
52) Ethylbenzene	8.953	91	5267	0.145	ug/L	97
53) m,p-Xylene	9.082	106	3447	0.256	ug/L	98
54) o-Xylene	9.484	106	1370	0.106	ug/L	92
63) 1,2,4-Trimethylbenzene	10.860	105	4104	0.157	ug/L	94

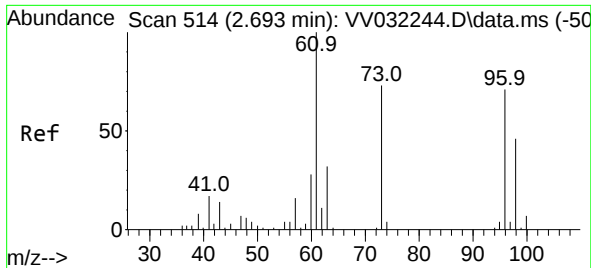
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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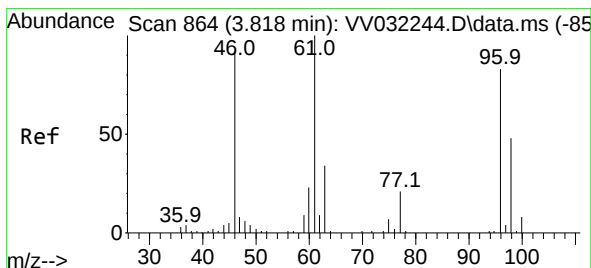
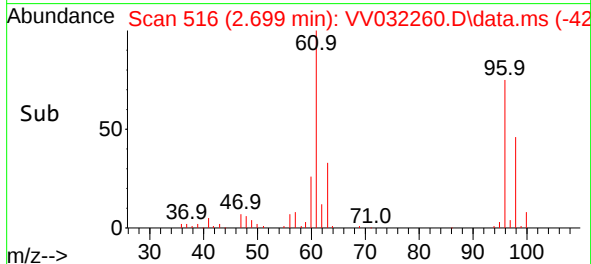
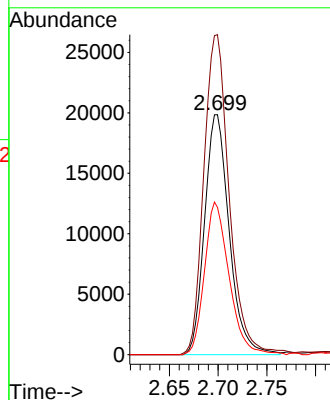
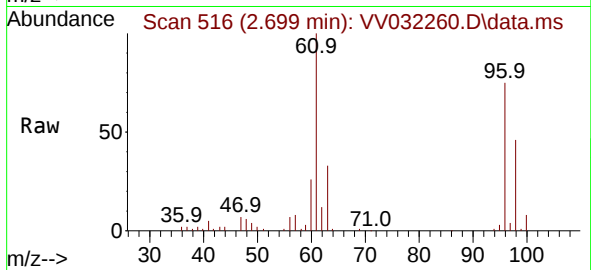




#18
trans-1,2-Dichloroethene
Concen: 4.797 ug/L
RT: 2.699 min Scan# 514
Delta R.T. 0.006 min
Lab File: VV032260.D
Acq: 05 Oct 2023 16:58

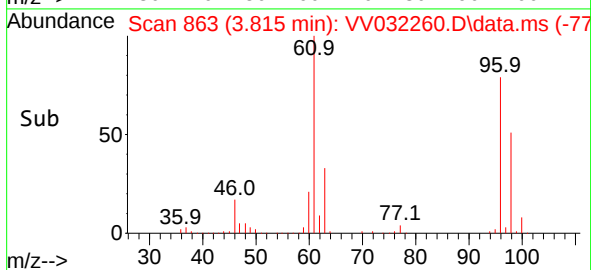
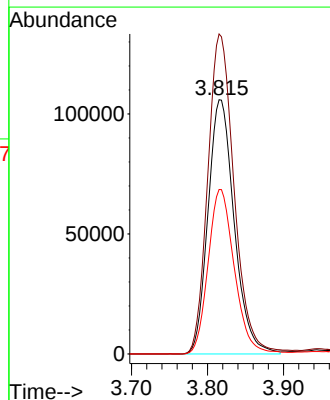
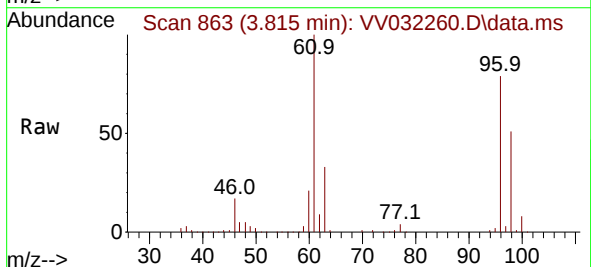
Instrument :
MSVOA_V
ClientSampleId :
EX878

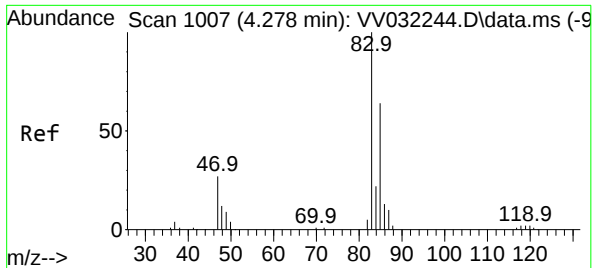
Tgt Ion: 96 Resp: 35005
Ion Ratio Lower Upper
96 100
61 133.3 96.9 180.1
98 61.4 45.3 84.1



#22
cis-1,2-Dichloroethene
Concen: 32.293 ug/L
RT: 3.815 min Scan# 863
Delta R.T. -0.003 min
Lab File: VV032260.D
Acq: 05 Oct 2023 16:58

Tgt Ion: 96 Resp: 253726
Ion Ratio Lower Upper
96 100
61 125.9 85.8 159.4
98 64.7 44.0 81.6

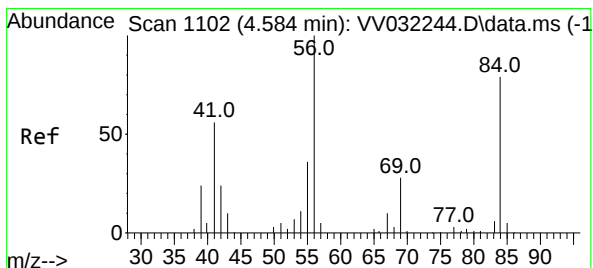
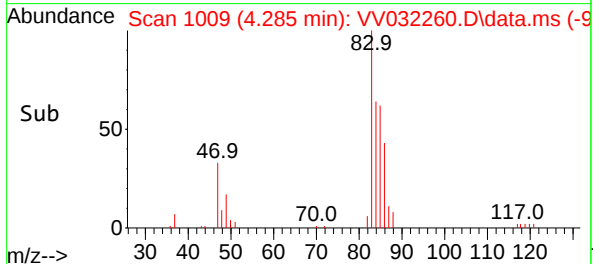
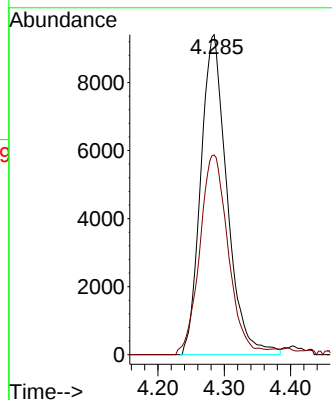
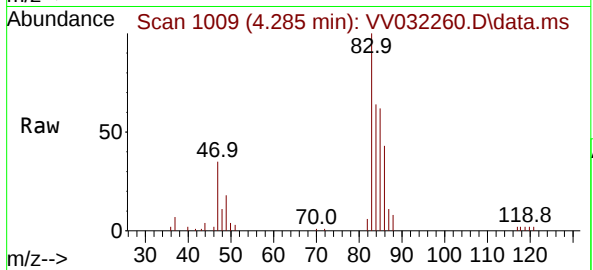




#25
Chloroform
Concen: 1.920 ug/L
RT: 4.285 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VV032260.D
Acq: 05 Oct 2023 16:58

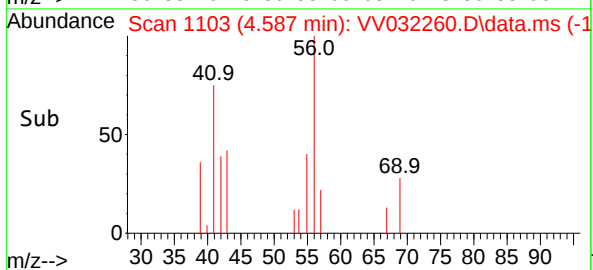
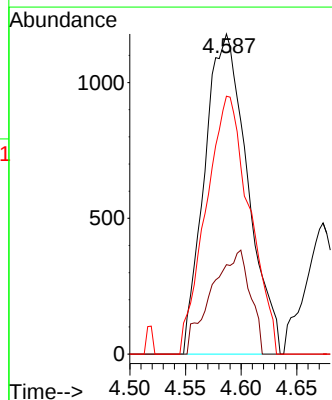
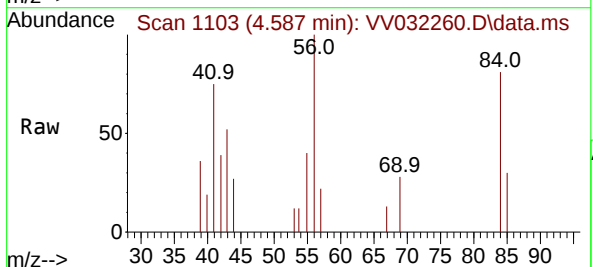
Instrument :
MSVOA_V
ClientSampleId :
EX878

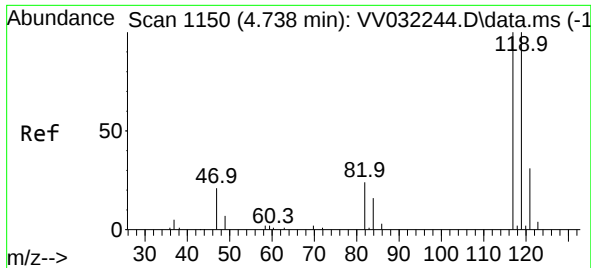
Tgt Ion: 83 Resp: 25860
Ion Ratio Lower Upper
83 100
85 62.4 45.4 84.4



#30
Cyclohexane
Concen: 0.243 ug/L
RT: 4.587 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VV032260.D
Acq: 05 Oct 2023 16:58

Tgt Ion: 56 Resp: 3156
Ion Ratio Lower Upper
56 100
69 29.2 24.2 36.2
84 81.7 68.1 102.1

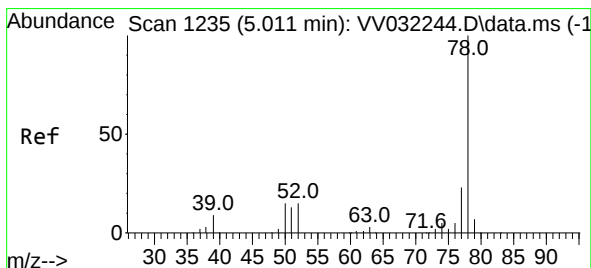
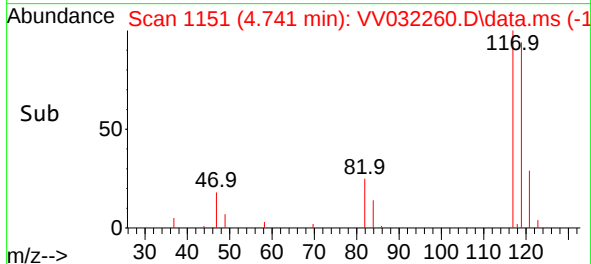
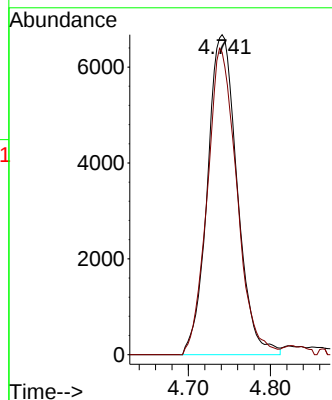
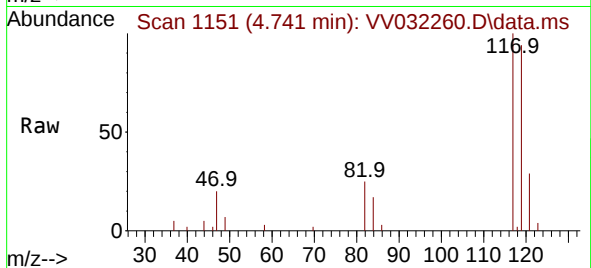




#31
Carbon tetrachloride
Concen: 1.687 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV032260.D
Acq: 05 Oct 2023 16:58

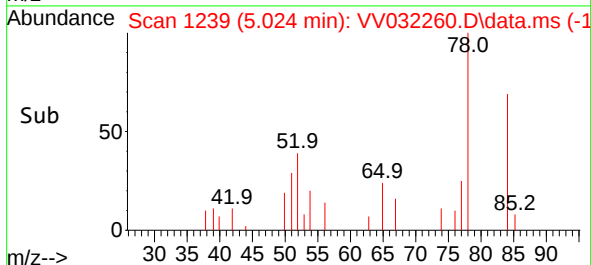
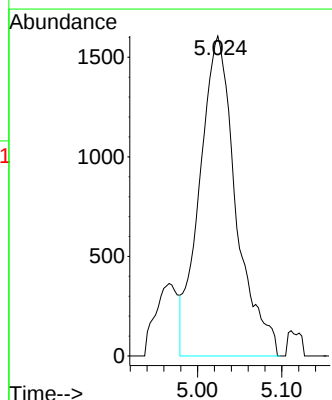
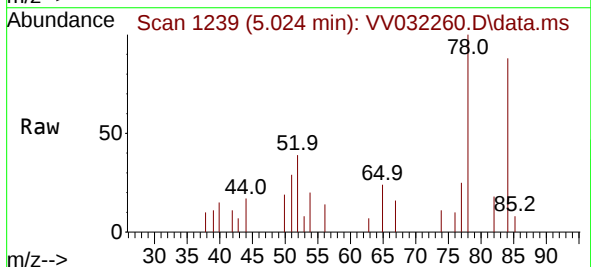
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EX878

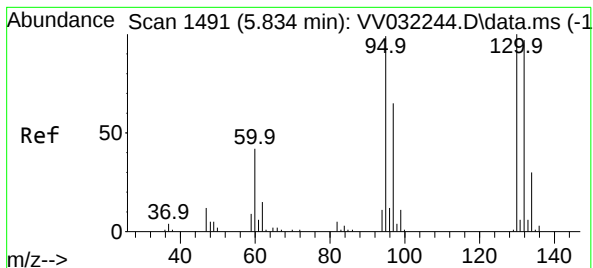
Tgt Ion:117 Resp: 16856
Ion Ratio Lower Upper
117 100
119 94.9 77.6 116.4



#33
Benzene
Concen: 0.157 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.013 min
Lab File: VV032260.D
Acq: 05 Oct 2023 16:58

Tgt Ion: 78 Resp: 4809





#34

Trichloroethene

Concen: 478.810 ug/L

RT: 5.838 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV032260.D

Acq: 05 Oct 2023 16:58

Instrument :

MSVOA_V

ClientSampleId :

EX878

Tgt Ion: 95 Resp: 3996086

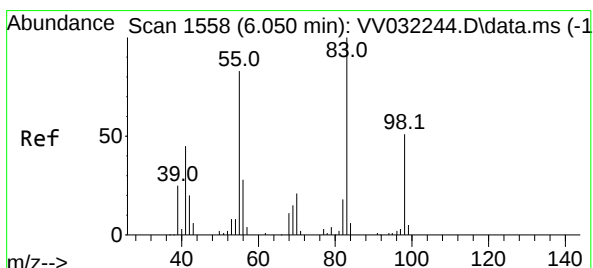
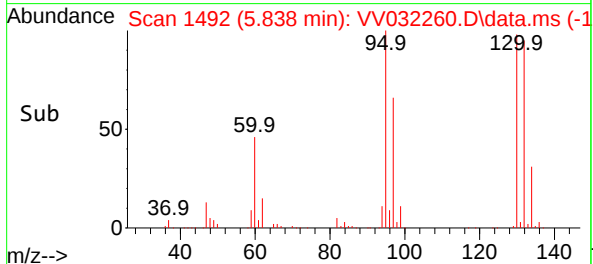
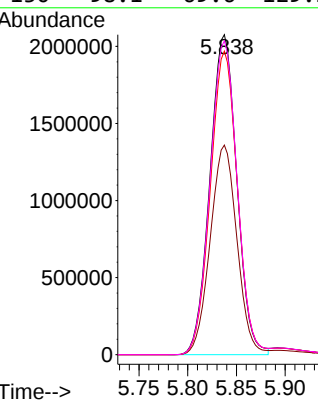
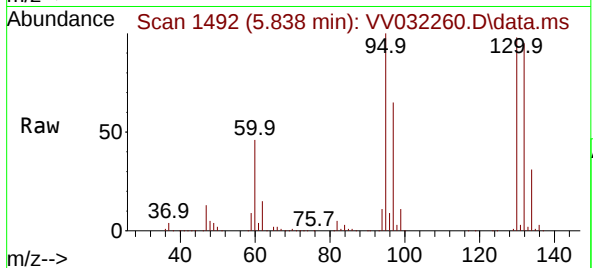
Ion Ratio Lower Upper

95 100

97 65.5 45.7 84.9

132 94.9 70.3 130.5

130 98.1 69.6 129.2



#35

Methylcyclohexane

Concen: 0.417 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.006 min

Lab File: VV032260.D

Acq: 05 Oct 2023 16:58

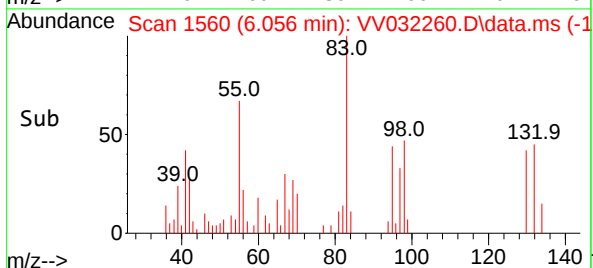
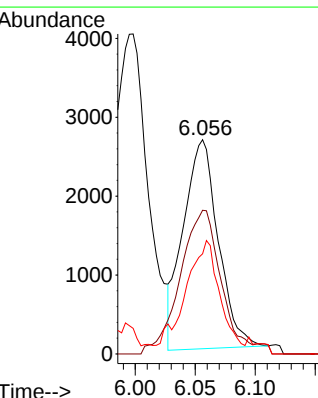
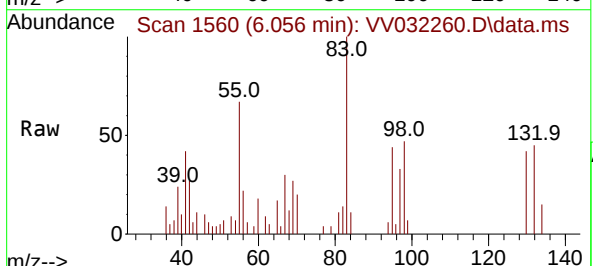
Tgt Ion: 83 Resp: 5388

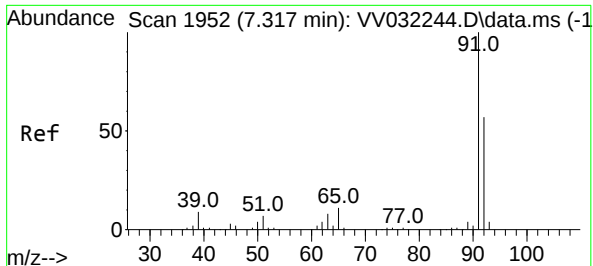
Ion Ratio Lower Upper

83 100

55 79.2 64.2 96.2

98 0.0 39.6 59.4#





#42

Toluene

Concen: 0.456 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.010 min

Lab File: VV032260.D

Acq: 05 Oct 2023 16:58

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ClientSampleId :

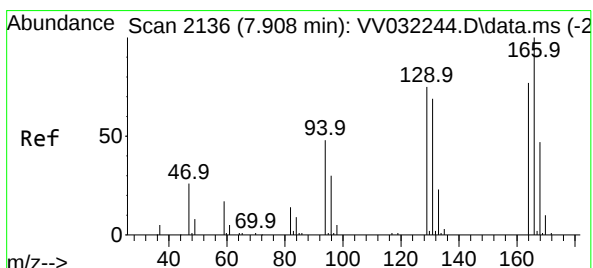
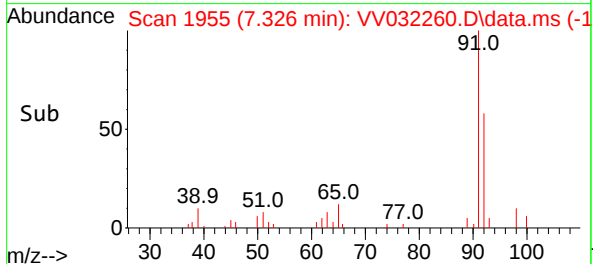
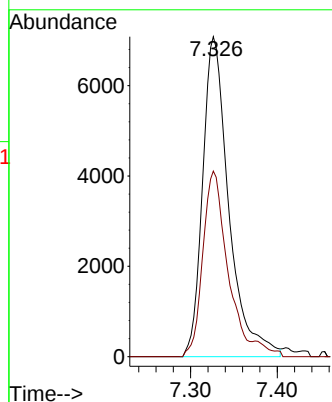
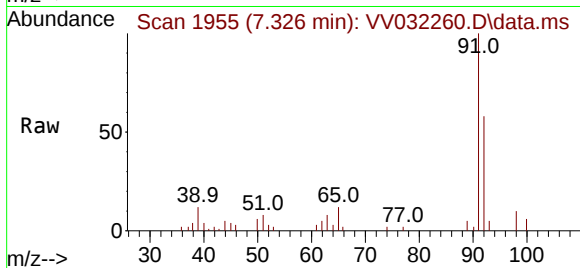
EX878

Tgt Ion: 91 Resp: 14852

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#47

Tetrachloroethene

Concen: 0.195 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV032260.D

Acq: 05 Oct 2023 16:58

Tgt Ion: 164 Resp: 1237

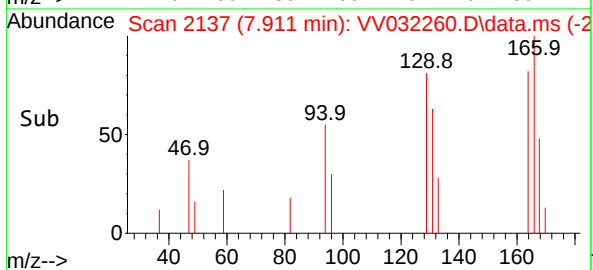
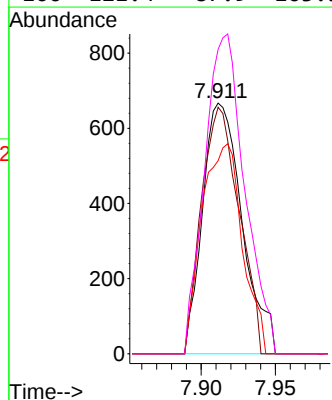
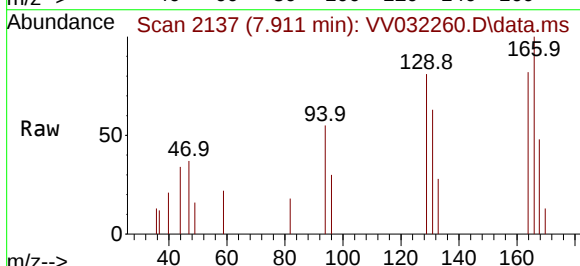
Ion Ratio Lower Upper

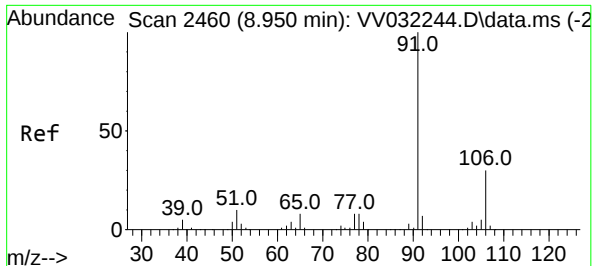
164 100

129 98.4 66.4 123.4

131 77.1 63.7 118.3

166 121.4 87.9 163.3

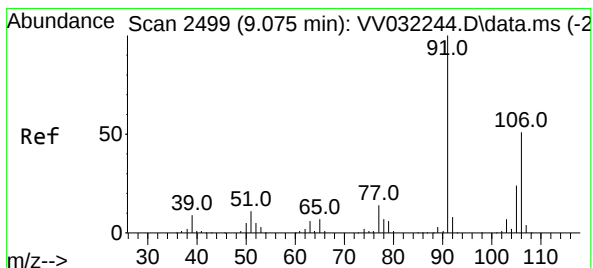
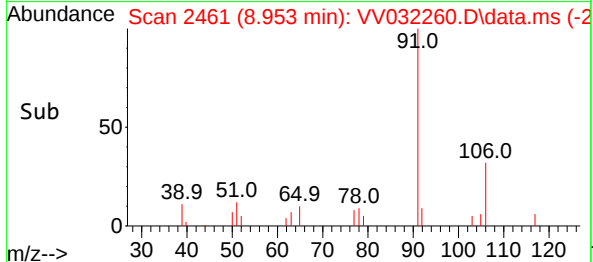
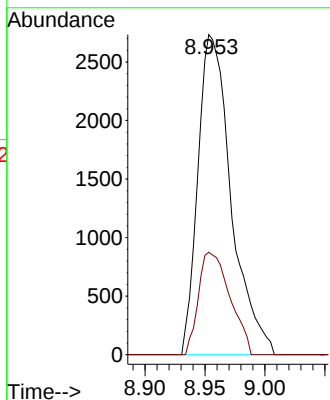
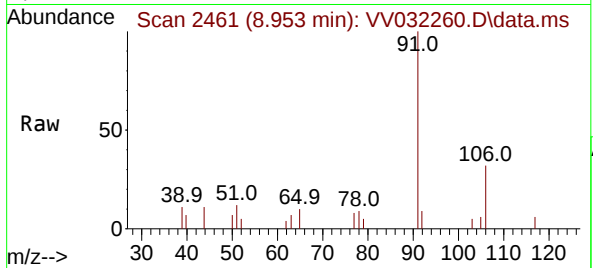




#52
Ethylbenzene
Concen: 0.145 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV032260.D
Acq: 05 Oct 2023 16:58

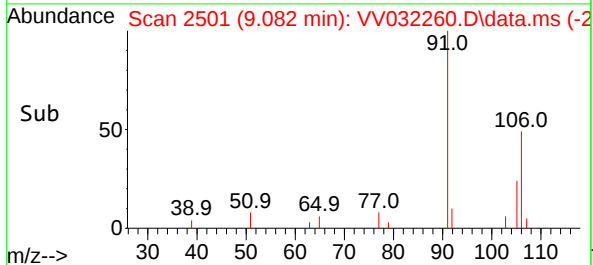
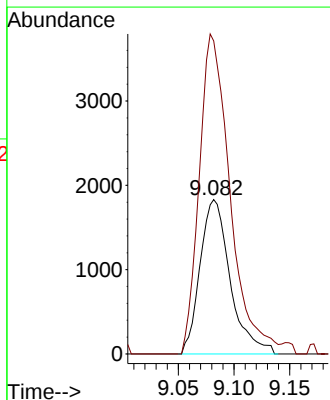
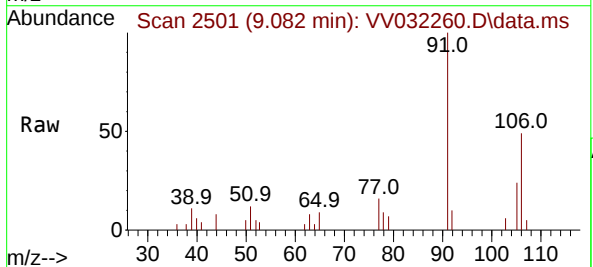
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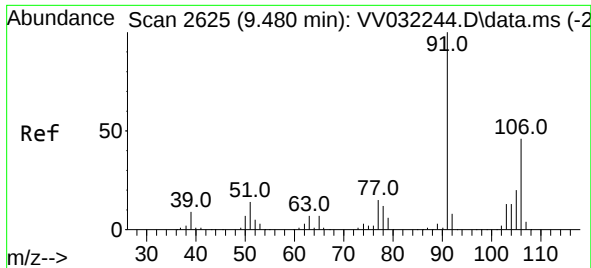
Tgt Ion: 91 Resp: 5267
Ion Ratio Lower Upper
91 100
106 32.0 21.3 39.5



#53
m,p-Xylene
Concen: 0.256 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.006 min
Lab File: VV032260.D
Acq: 05 Oct 2023 16:58

Tgt Ion: 106 Resp: 3447
Ion Ratio Lower Upper
106 100
91 202.8 144.5 268.3

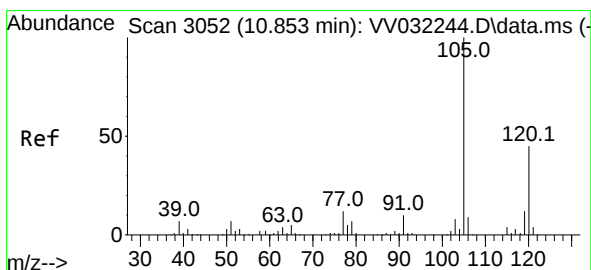
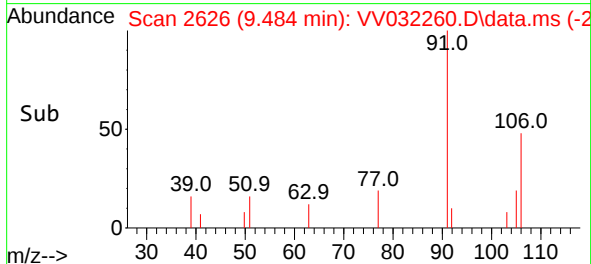
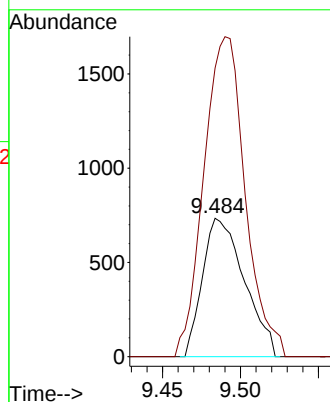
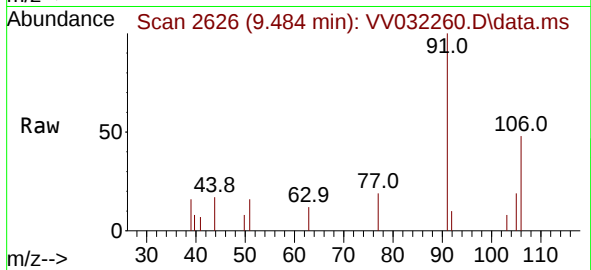




#54
o-Xylene
Concen: 0.106 ug/L
RT: 9.484 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV032260.D
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Tgt Ion:106 Resp: 1370
Ion Ratio Lower Upper
106 100
91 208.7 154.8 287.4



#63
1,2,4-Trimethylbenzene
Concen: 0.157 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.006 min
Lab File: VV032260.D
Acq: 05 Oct 2023 16:58

Tgt Ion:105 Resp: 4104
Ion Ratio Lower Upper
105 100
120 41.4 36.2 54.4

