

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100523\
 Data File : VV032257.D
 Acq On : 05 Oct 2023 15:45
 Operator : SY/MD
 Sample : 04748-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 06 01:29:38 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)

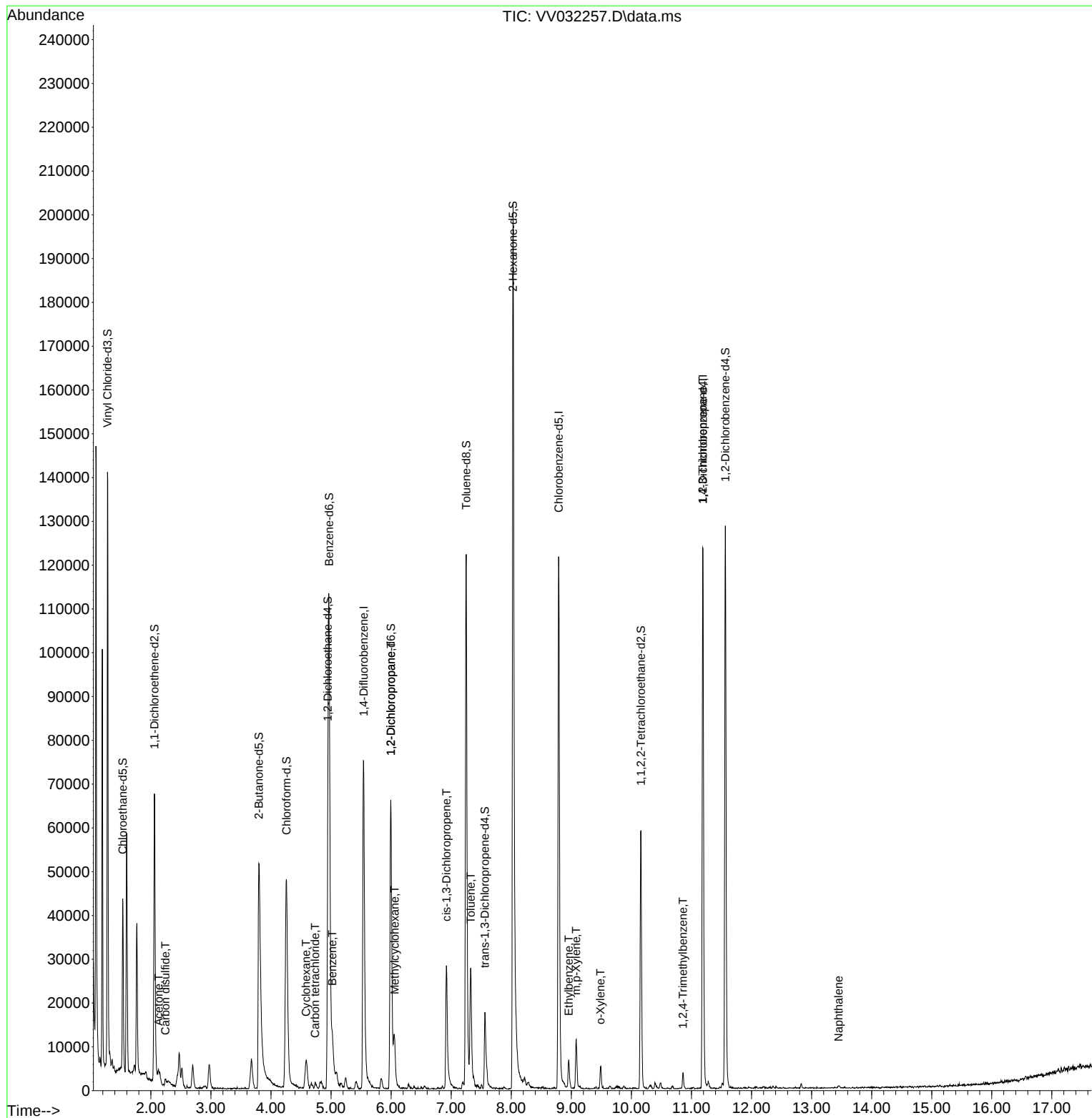
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	68479	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	69612	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	32871	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	26262	4.715	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.532	69	24432	5.404	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.000%
11) 1,1-Dichloroethene-d2	2.059	65	11238	4.785	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	3.799	46	94713	67.227	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.460%#
24) Chloroform-d	4.256	84	53671	5.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.200%
26) 1,2-Dichloroethane-d4	4.947	65	28787	6.186	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.800%
32) Benzene-d6	4.966	84	101379	4.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	5.995	67	36067	5.314	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.200%
41) Toluene-d8	7.249	98	84780	4.526	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	7.561	79	11377	4.731	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.030	63	74360	65.718	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.440%#
56) 1,1,2,2-Tetrachloroeth...	10.159	84	29650	6.246	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.000%#
66) 1,2-Dichlorobenzene-d4	11.564	152	32964	5.404	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.000%
Target Compounds						
13) Acetone	2.130	43	2529	2.329	ug/L	66
14) Carbon disulfide	2.243	76	1713	0.098	ug/L #	86
30) Cyclohexane	4.583	56	3563	0.343	ug/L #	94
31) Carbon tetrachloride	4.735	117	958	0.120	ug/L	100
33) Benzene	5.018	78	8683	0.354	ug/L	100
35) Methylcyclohexane	6.059	83	4403	0.425	ug/L	89
37) 1,2-Dichloropropane	5.995	63	3820	0.583	ug/L #	87
39) cis-1,3-Dichloropropene	6.921	75	823	0.088	ug/L #	45
42) Toluene	7.326	91	21348	0.817	ug/L	99
52) Ethylbenzene	8.956	91	5017	0.172	ug/L	97
53) m,p-Xylene	9.082	106	3473	0.322	ug/L	80
54) o-Xylene	9.484	106	1366	0.131	ug/L	78
61) 1,2,3-Trichloropropane	11.188	75	4155	1.188	ug/L #	64
63) 1,2,4-Trimethylbenzene	10.860	105	2041	0.098	ug/L	89
71) Naphthalene	13.451	128	966	0.072	ug/L #	69

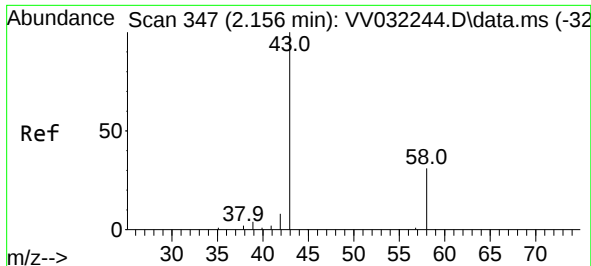
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 06 01:20:04 2023
Response via : Initial Calibration





#13

Acetone

Concen: 2.329 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.026 min

Lab File: VV032257.D

Acq: 05 Oct 2023 15:45

Instrument :

MSVOA_V

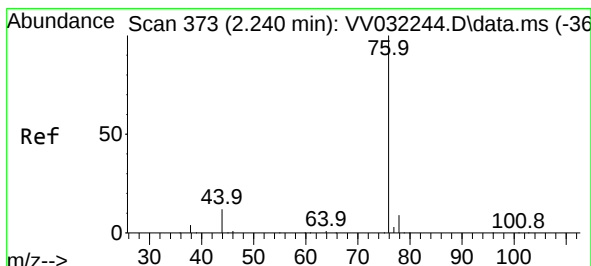
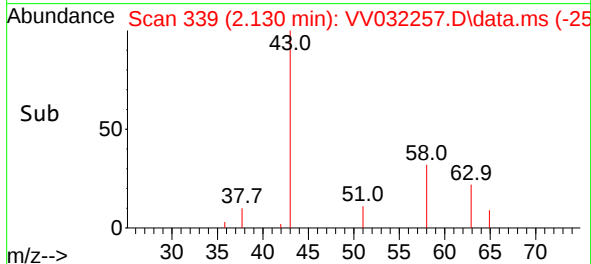
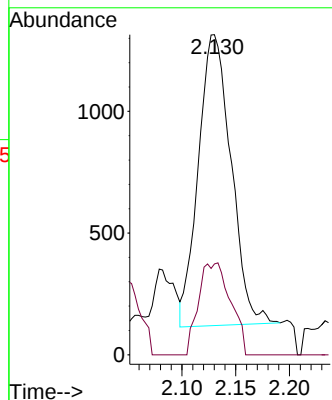
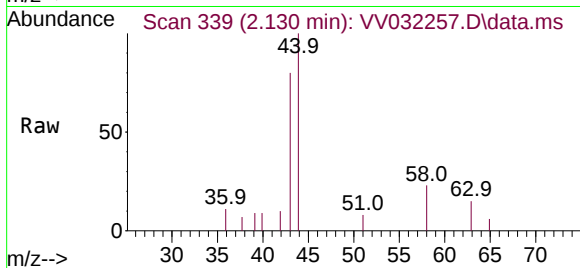
ClientSampleId :

Tgt Ion: 43 Resp: 2529

Ion Ratio Lower Upper

43 100

58 13.6 0.0 66.0



#14

Carbon disulfide

Concen: 0.098 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV032257.D

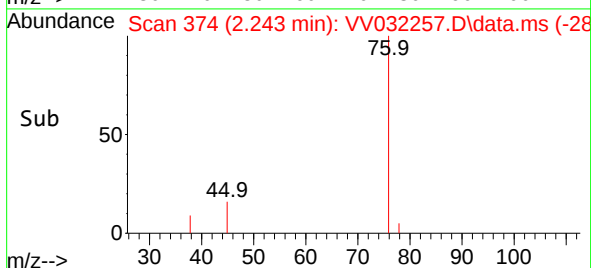
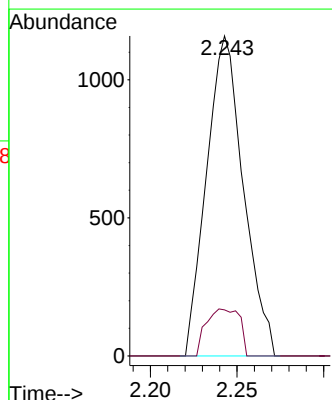
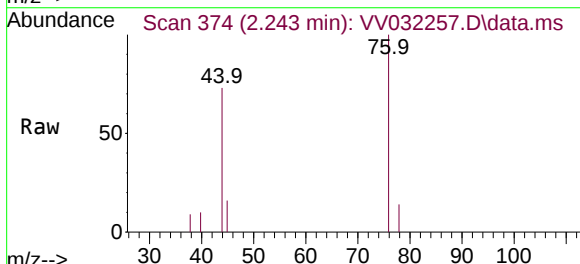
Acq: 05 Oct 2023 15:45

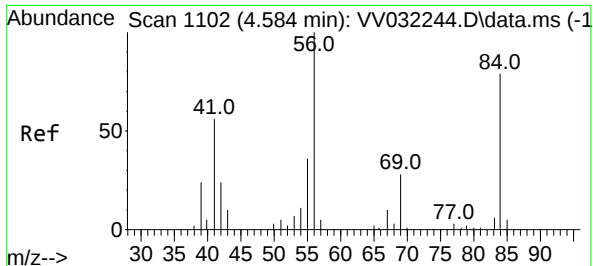
Tgt Ion: 76 Resp: 1713

Ion Ratio Lower Upper

76 100

78 14.4 7.4 11.2#

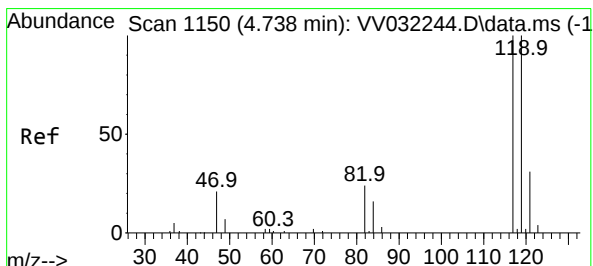
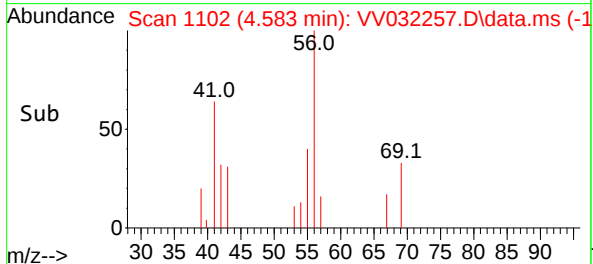
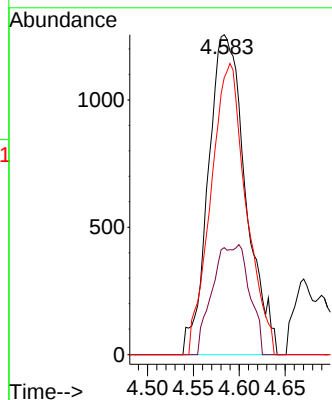
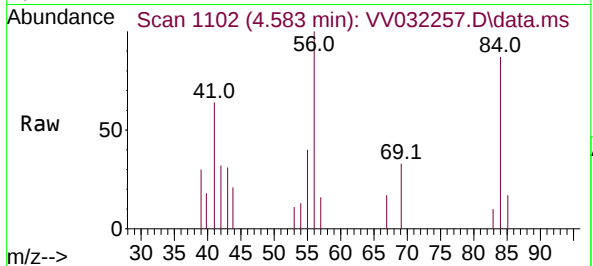




#30
Cyclohexane
Concen: 0.343 ug/L
RT: 4.583 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV032257.D
Acq: 05 Oct 2023 15:45

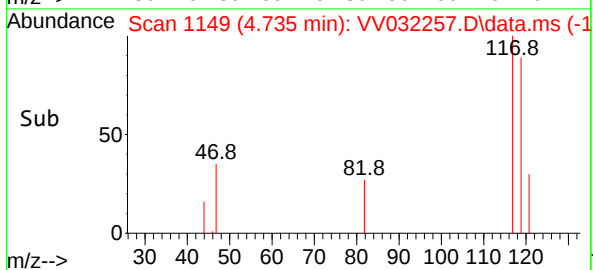
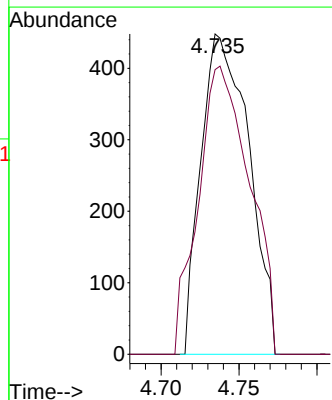
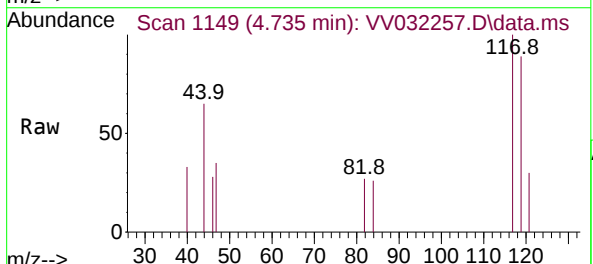
Instrument :
MSVOA_V
ClientSampleId :

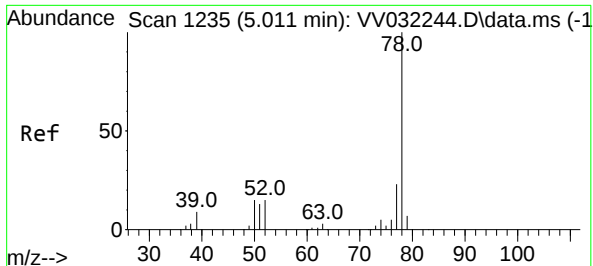
Tgt Ion: 56 Resp: 3563
Ion Ratio Lower Upper
56 100
69 19.6 24.2 36.2#
84 85.9 68.1 102.1



#31
Carbon tetrachloride
Concen: 0.120 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV032257.D
Acq: 05 Oct 2023 15:45

Tgt Ion: 117 Resp: 958
Ion Ratio Lower Upper
117 100
119 96.8 77.6 116.4

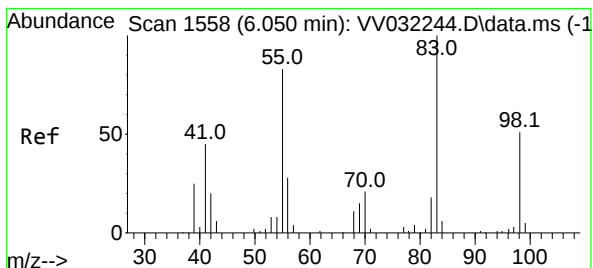
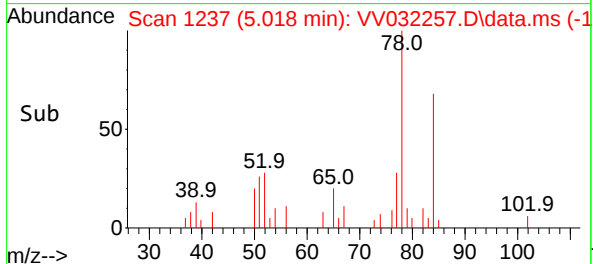
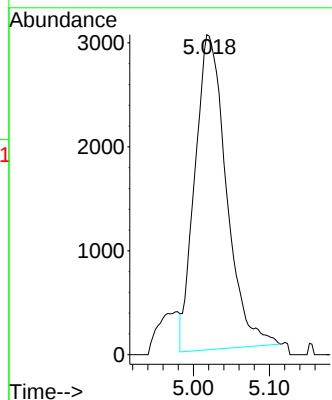
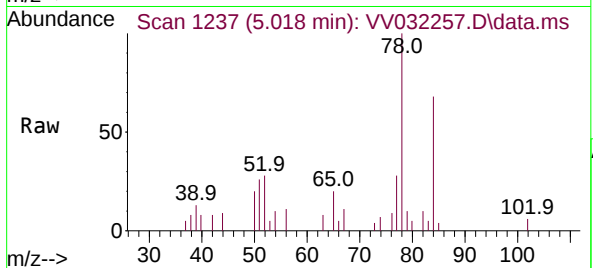




#33
Benzene
Concen: 0.354 ug/L
RT: 5.018 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV032257.D
Acq: 05 Oct 2023 15:45

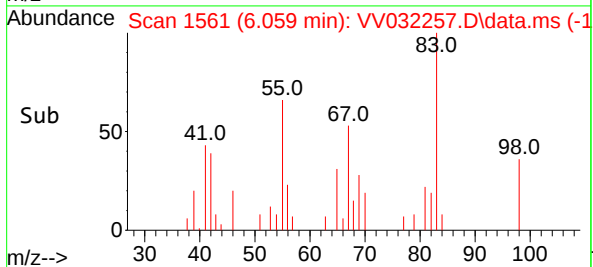
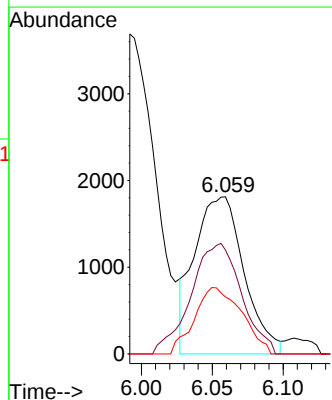
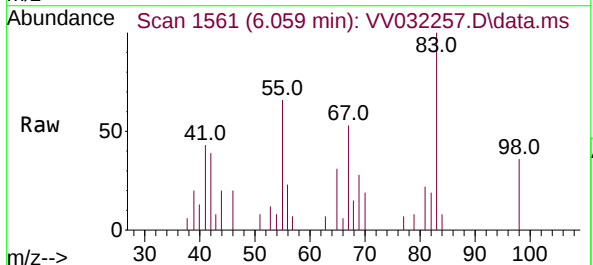
Instrument :
MSVOA_V
ClientSampleId :

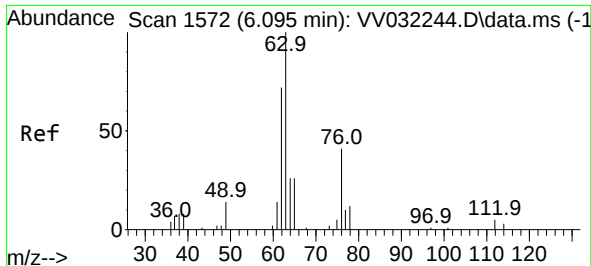
Tgt Ion: 78 Resp: 8683



#35
Methylcyclohexane
Concen: 0.425 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.010 min
Lab File: VV032257.D
Acq: 05 Oct 2023 15:45

Tgt Ion: 83 Resp: 4403
Ion Ratio Lower Upper
83 100
55 71.7 64.2 96.2
98 40.3 39.6 59.4





#37

1,2-Dichloropropane

Concen: 0.583 ug/L

RT: 5.995 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV032257.D

Acq: 05 Oct 2023 15:45

Instrument :

MSVOA_V

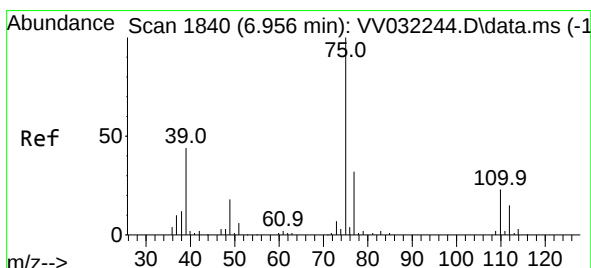
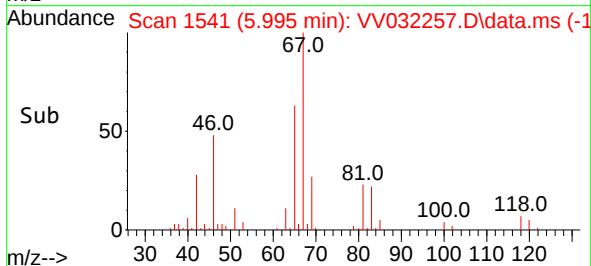
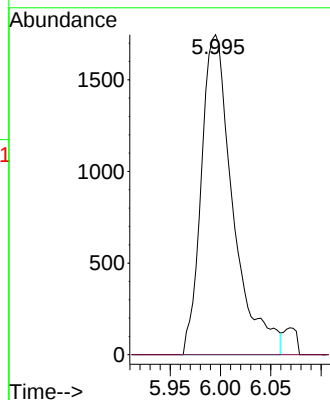
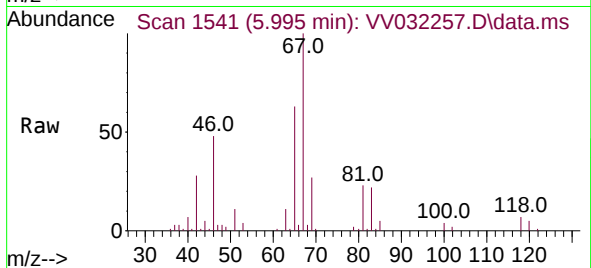
ClientSampleId :

Tgt Ion: 63 Resp: 3820

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 6.921 min Scan# 1829

Delta R.T. -0.035 min

Lab File: VV032257.D

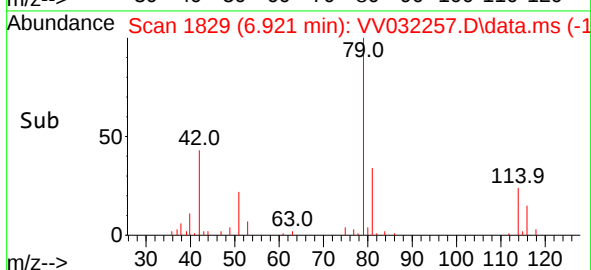
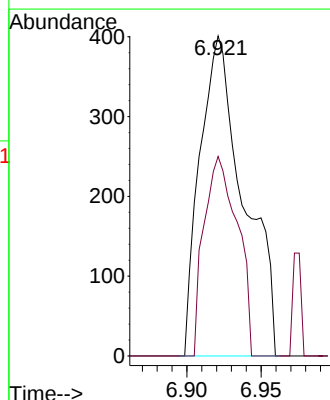
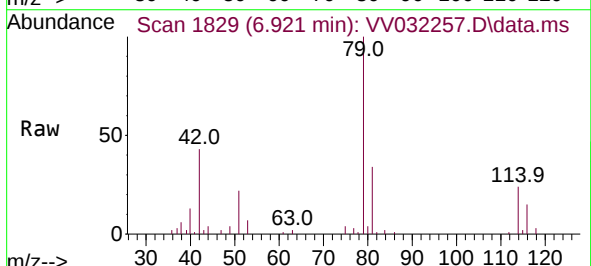
Acq: 05 Oct 2023 15:45

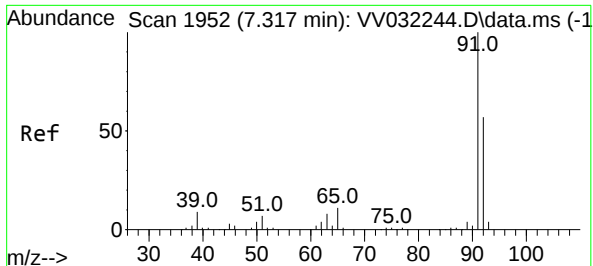
Tgt Ion: 75 Resp: 823

Ion Ratio Lower Upper

75 100

77 62.3 22.2 41.2#





#42

Toluene

Concen: 0.817 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.010 min

Lab File: VV032257.D

Acq: 05 Oct 2023 15:45

Instrument :

MSVOA_V

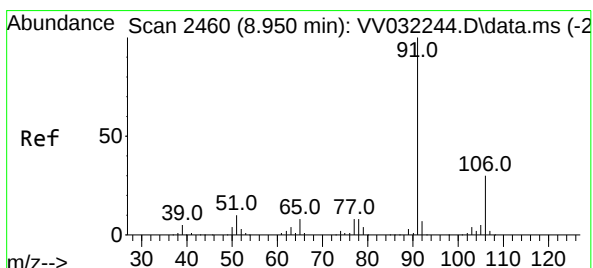
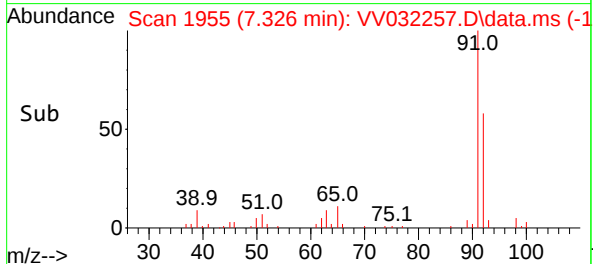
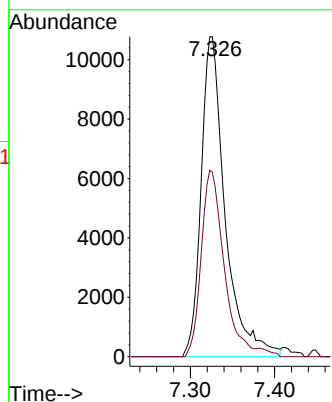
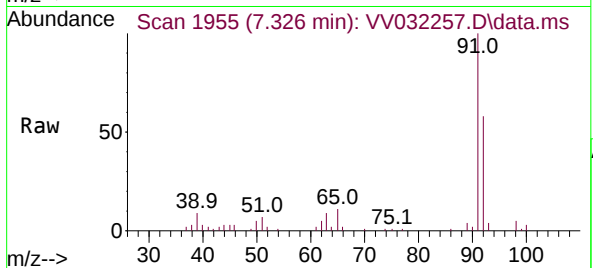
ClientSampleId :

Tgt Ion: 91 Resp: 21348

Ion Ratio Lower Upper

91 100

92 57.7 40.8 75.8



#52

Ethylbenzene

Concen: 0.172 ug/L

RT: 8.956 min Scan# 2462

Delta R.T. 0.006 min

Lab File: VV032257.D

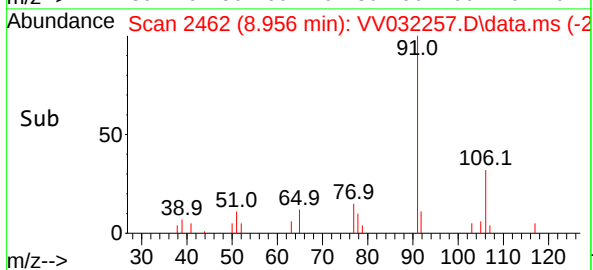
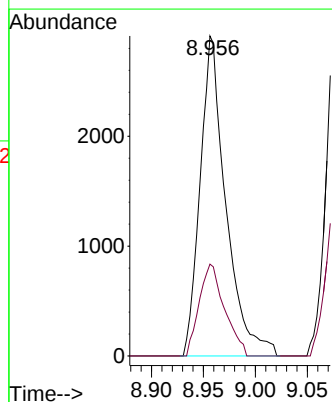
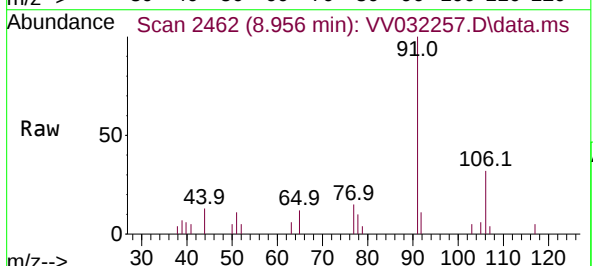
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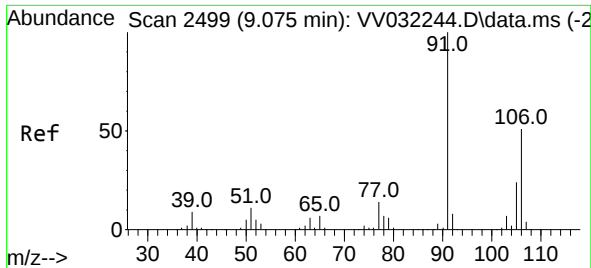
Tgt Ion: 91 Resp: 5017

Ion Ratio Lower Upper

91 100

106 28.7 21.3 39.5

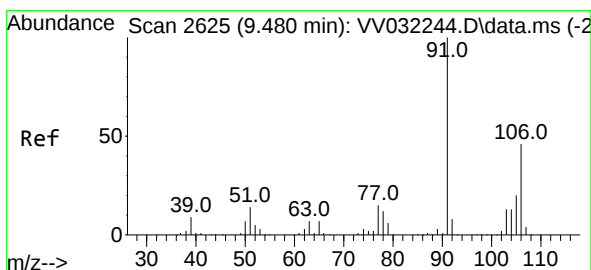
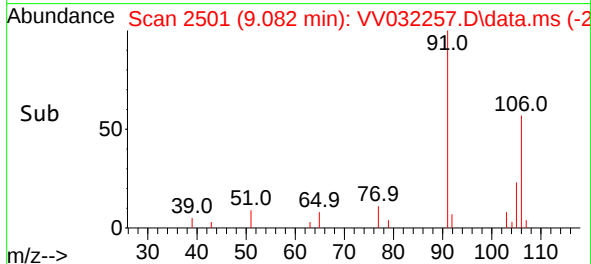
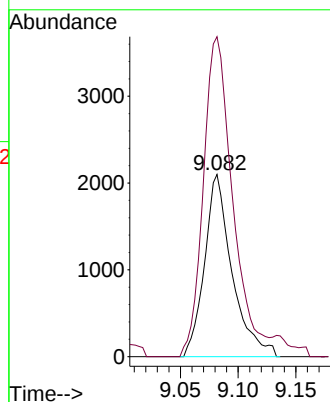
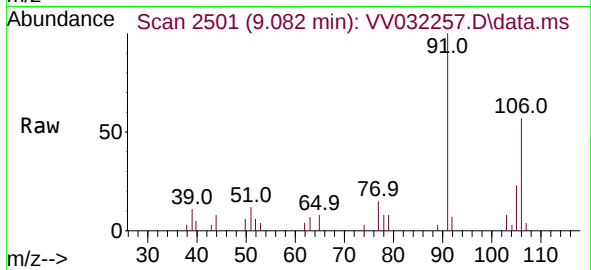




#53
m,p-Xylene
Concen: 0.322 ug/L
RT: 9.082 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV032257.D
Acq: 05 Oct 2023 15:45

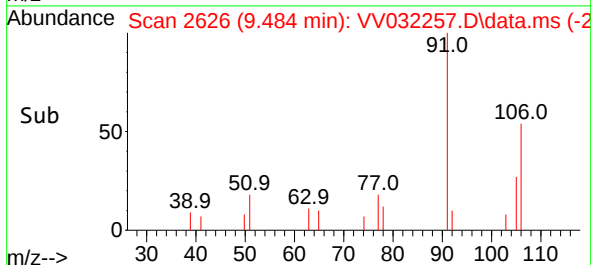
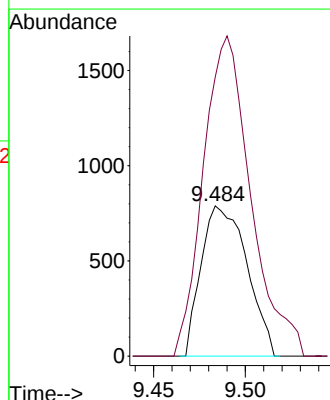
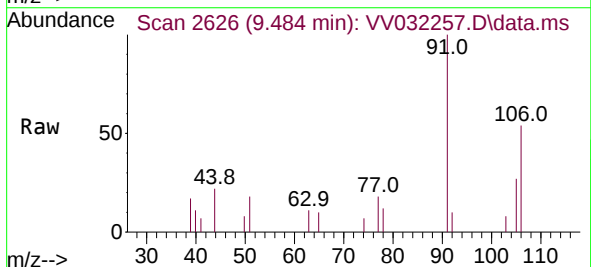
Instrument :
MSVOA_V
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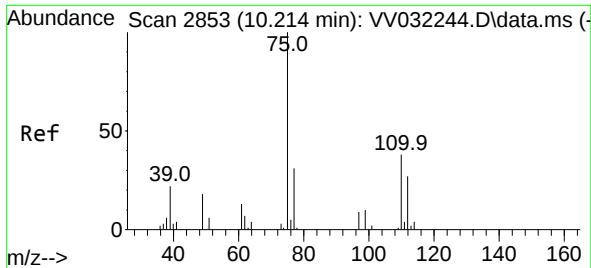
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Ion Ratio Lower Upper
106 100
91 175.6 144.5 268.3



#54
o-Xylene
Concen: 0.131 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV032257.D
Acq: 05 Oct 2023 15:45

Tgt Ion:106 Resp: 1366
Ion Ratio Lower Upper
106 100
91 185.8 154.8 287.4

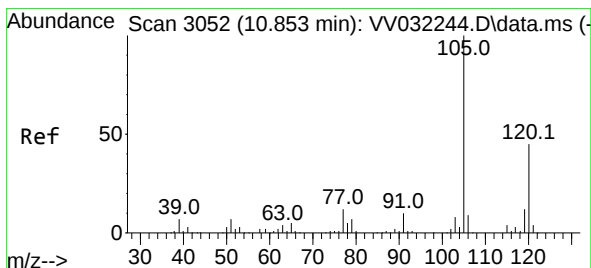
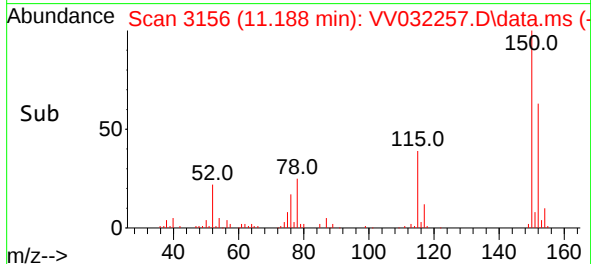
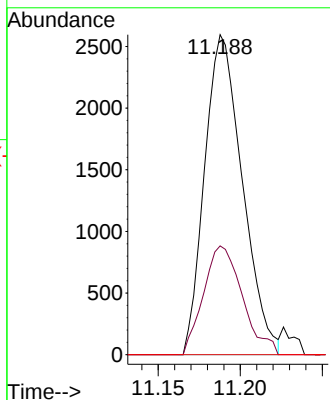
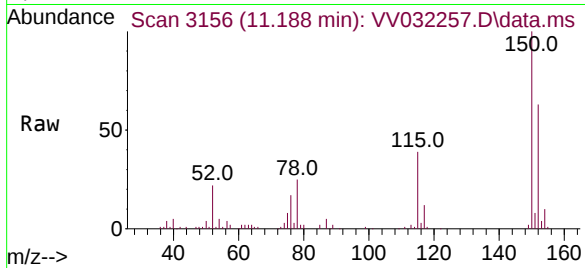




#61
 1,2,3-Trichloropropane
 Concen: 1.188 ug/L
 RT: 11.188 min Scan# 3156
 Delta R.T. 0.974 min
 Lab File: VV032257.D
 Acq: 05 Oct 2023 15:45

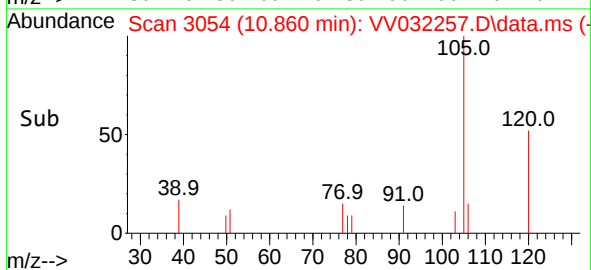
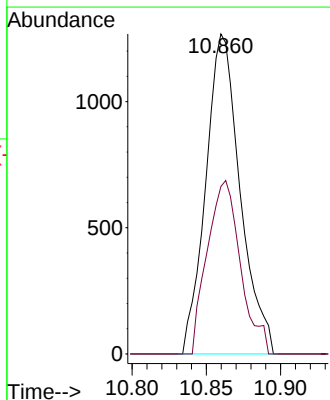
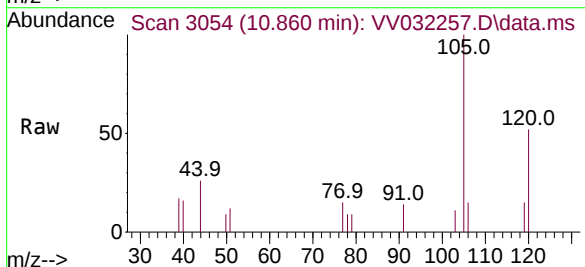
Instrument :
 MSVOA_V
 ClientSampleId :

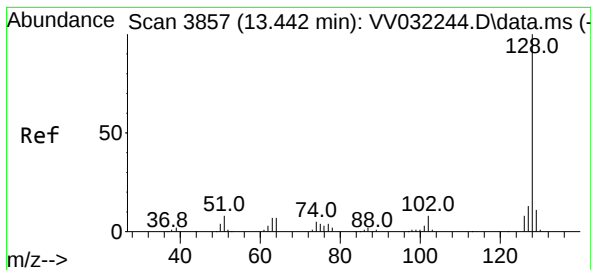
Tgt Ion: 75 Resp: 4155
 Ion Ratio Lower Upper
 75 100
 77 35.0 26.2 39.2
 110 0.0 30.6 46.0#



#63
 1,2,4-Trimethylbenzene
 Concen: 0.098 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.006 min
 Lab File: VV032257.D
 Acq: 05 Oct 2023 15:45

Tgt Ion: 105 Resp: 2041
 Ion Ratio Lower Upper
 105 100
 120 52.3 36.2 54.4





#71

Naphthalene

Concen: 0.072 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.010 min

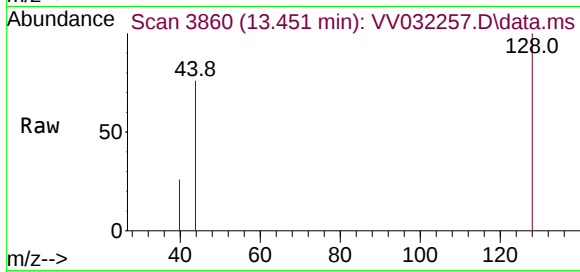
Lab File: VV032257.D

Acq: 05 Oct 2023 15:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 966

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 0.0 10.2 15.2#

