

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100523\
 Data File : VW032282.D
 Acq On : 06 Oct 2023 04:15
 Operator : SY/MD
 Sample : 04748-28
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 06 05:29:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 06 05:25:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	90947	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	82099	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	34768	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	29941	4.048	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.000%
7) Chloroethane-d5	1.532	69	28430	4.735	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.060	65	12035	3.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	3.799	46	95184	50.871	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.740%
24) Chloroform-d	4.246	84	58234	4.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	4.944	65	29422	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	4.960	84	107690	4.458	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
36) 1,2-Dichloropropane-d6	5.989	67	41475	5.182	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.600%
41) Toluene-d8	7.246	98	89642	4.058	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	7.558	79	10983	3.872	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.400%
46) 2-Hexanone-d5	8.027	63	66698	49.981	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.960%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	27916	4.987	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	29180	4.523	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
13) Acetone	2.130	43	4143	2.873	ug/L	82
18) trans-1,2-Dichloroethene	2.693	96	10871	1.423	ug/L	98
19) 1,1-Dichloroethane	3.111	63	4314	0.300	ug/L	89
22) cis-1,2-Dichloroethene	3.815	96	10866	1.321	ug/L	98
30) Cyclohexane	4.584	56	3224	0.263	ug/L #	92
33) Benzene	5.014	78	12825	0.444	ug/L	100
34) Trichloroethene	5.831	95	206481	26.167	ug/L	98
35) Methylcyclohexane	6.050	83	4134	0.339	ug/L	92
37) 1,2-Dichloropropane	5.985	63	4687	0.606	ug/L #	87
39) cis-1,3-Dichloropropene	6.918	75	728	0.066	ug/L	88
42) Toluene	7.320	91	30652	0.995	ug/L	98
52) Ethylbenzene	8.953	91	6689	0.195	ug/L	98
53) m,p-Xylene	9.075	106	5218	0.410	ug/L	100
54) o-Xylene	9.484	106	2300	0.188	ug/L	88
61) 1,2,3-Trichloropropane	11.188	75	4534	1.225	ug/L #	66
63) 1,2,4-Trimethylbenzene	10.857	105	4670	0.213	ug/L	99
71) Naphthalene	13.451	128	1899	0.133	ug/L #	92

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 06 05:25:10 2023
Response via : Initial Calibration

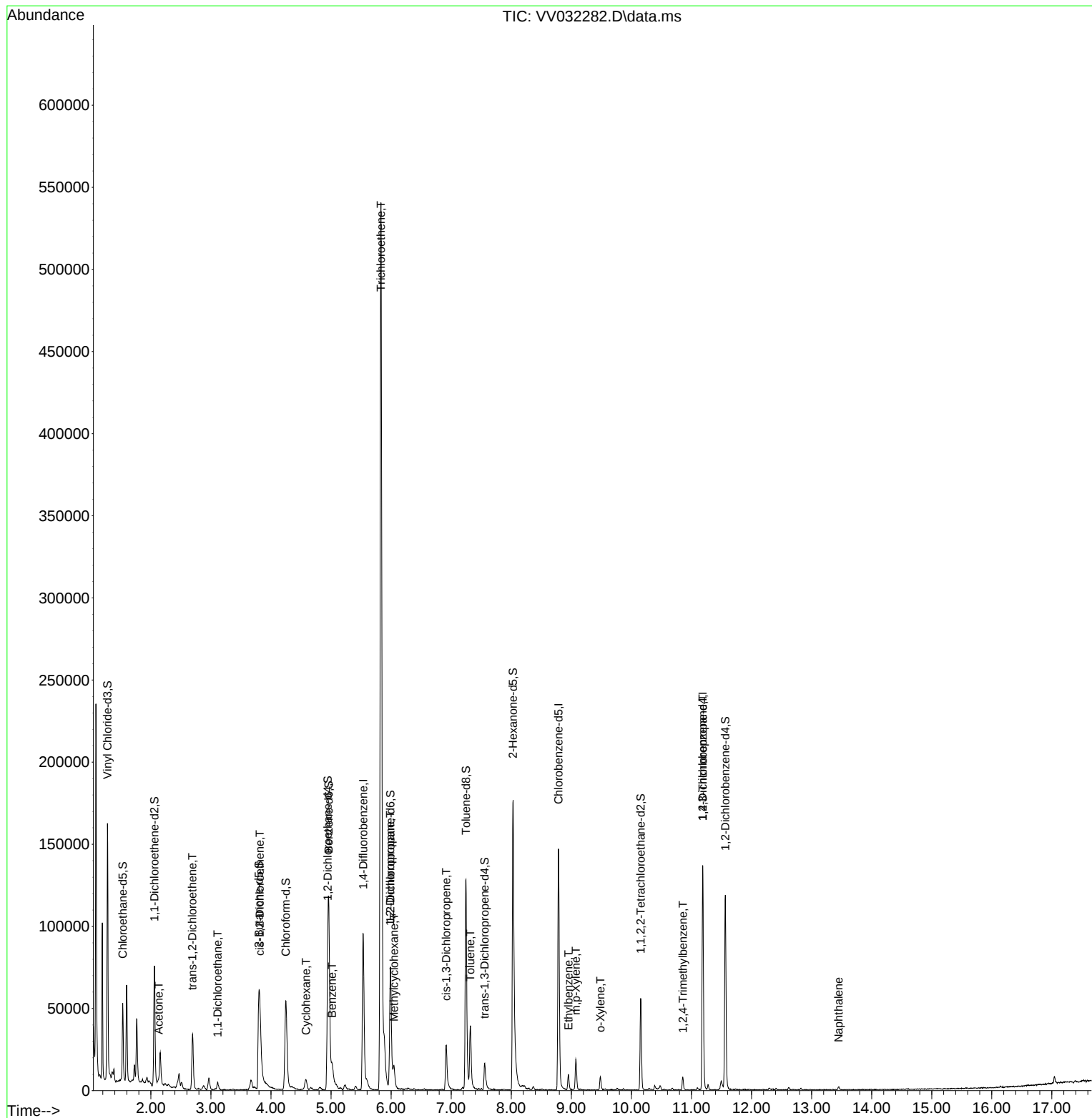
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

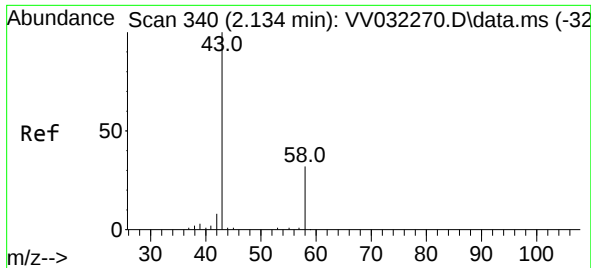
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#13

Acetone

Concen: 2.873 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

Instrument :

MSVOA_V

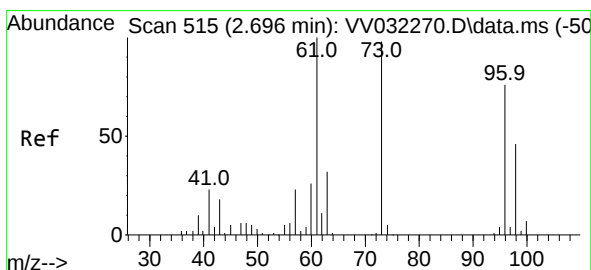
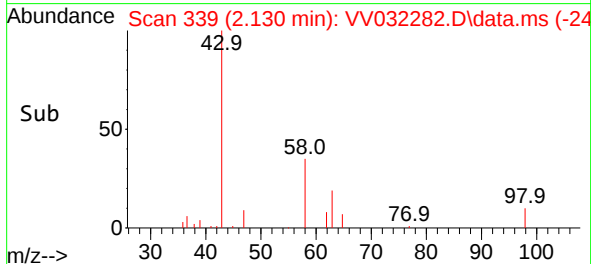
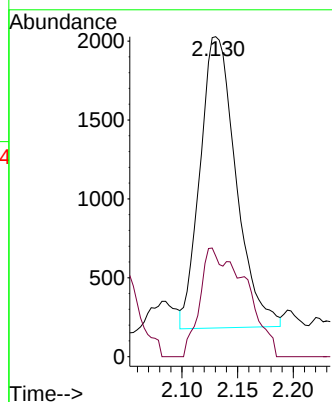
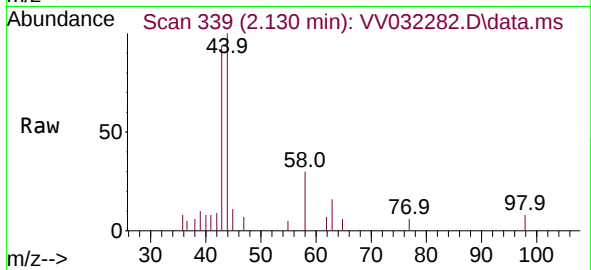
ClientSampleId :

Tgt Ion: 43 Resp: 4143

Ion Ratio Lower Upper

43 100

58 22.8 0.0 66.0



#18

trans-1,2-Dichloroethene

Concen: 1.423 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.003 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

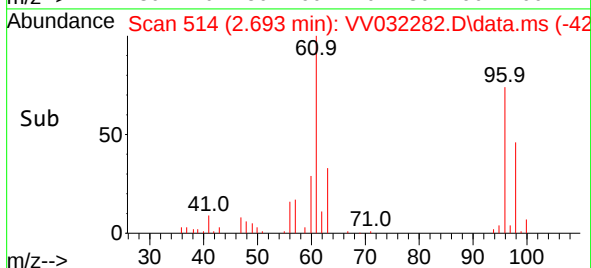
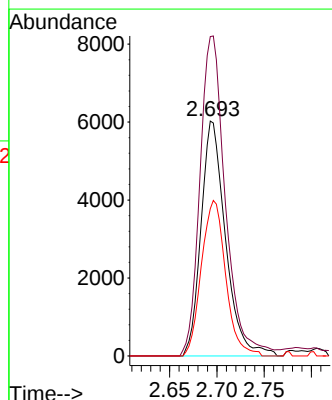
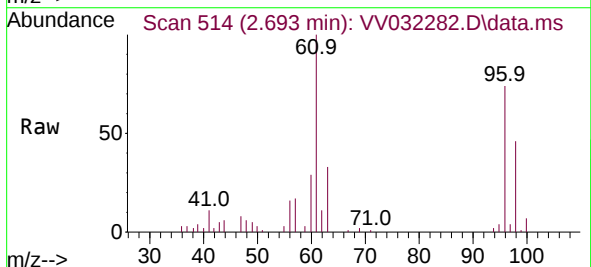
Tgt Ion: 96 Resp: 10871

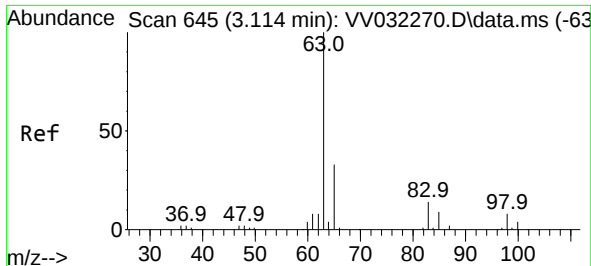
Ion Ratio Lower Upper

96 100

61 135.9 96.9 180.1

98 62.7 45.3 84.1





#19

1,1-Dichloroethane

Concen: 0.300 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV032282.D

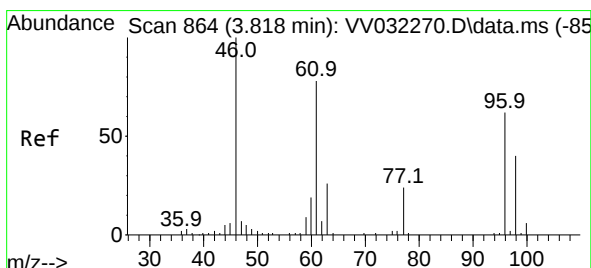
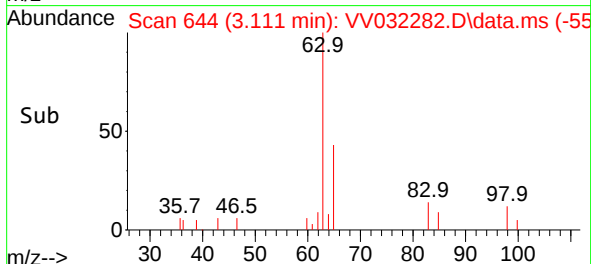
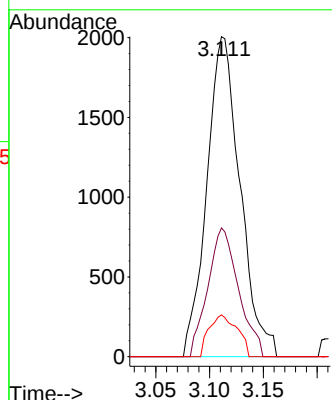
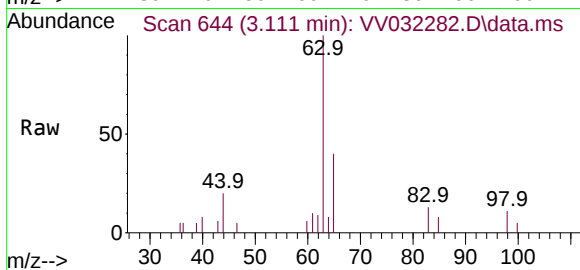
Acq: 06 Oct 2023 04:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 4314
Ion Ratio	Lower Upper
63 100	
65 40.3	22.3 41.5
83 13.1	9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 1.321 ug/L

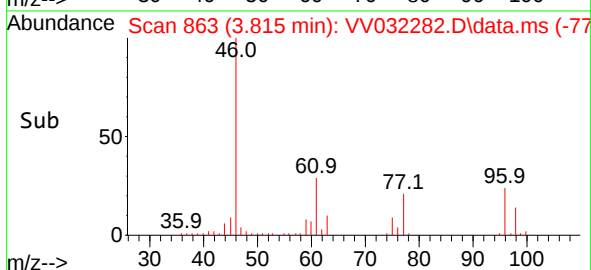
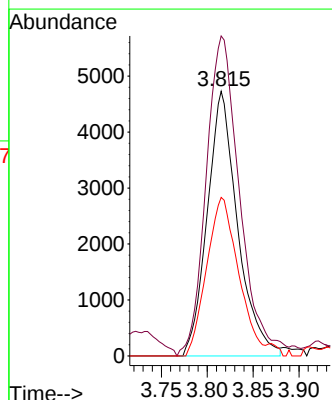
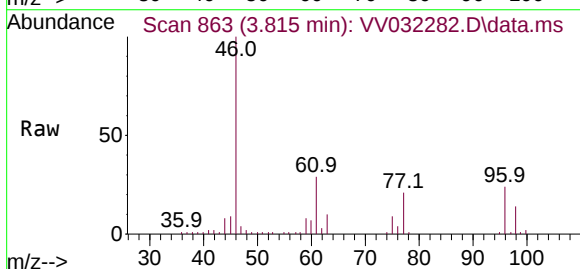
RT: 3.815 min Scan# 863

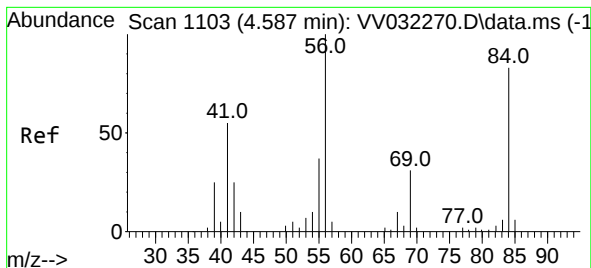
Delta R.T. -0.003 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

Tgt Ion: 96	Resp: 10866
Ion Ratio	Lower Upper
96 100	
61 120.9	85.8 159.4
98 59.9	44.0 81.6





#30

Cyclohexane

Concen: 0.263 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

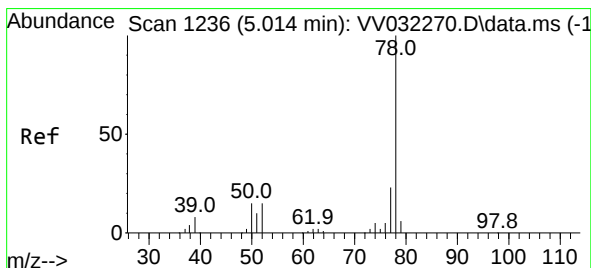
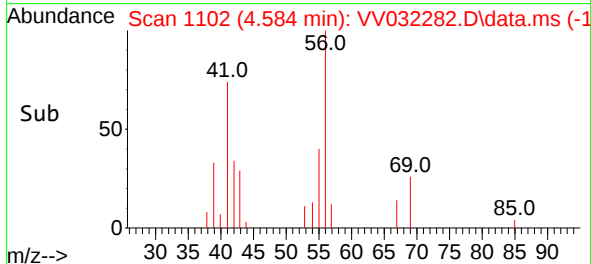
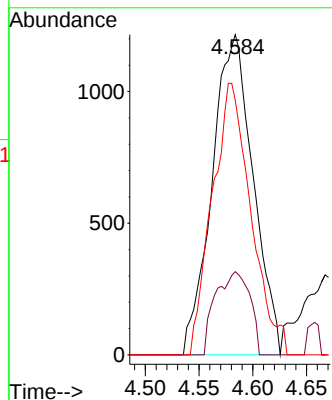
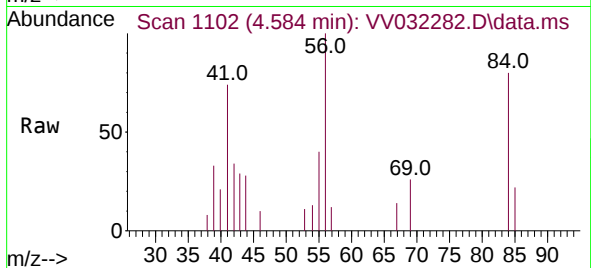
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 56 Resp: 3224

Ion	Ratio	Lower	Upper
56	100		
69	21.6	24.2	36.2#
84	80.1	68.1	102.1



#33

Benzene

Concen: 0.444 ug/L

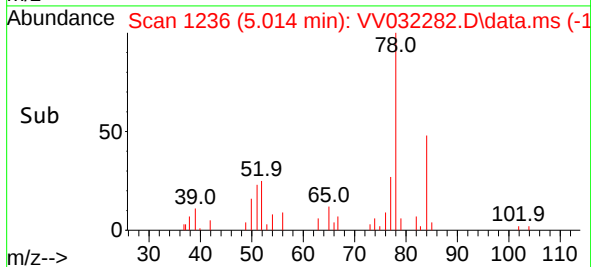
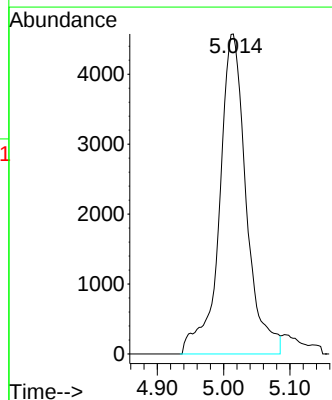
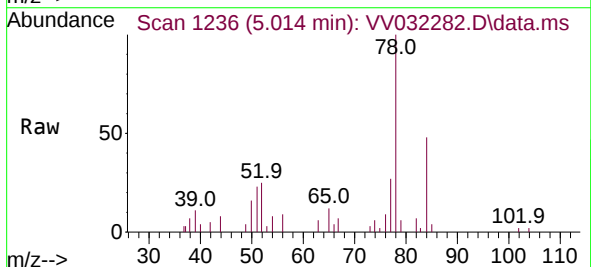
RT: 5.014 min Scan# 1236

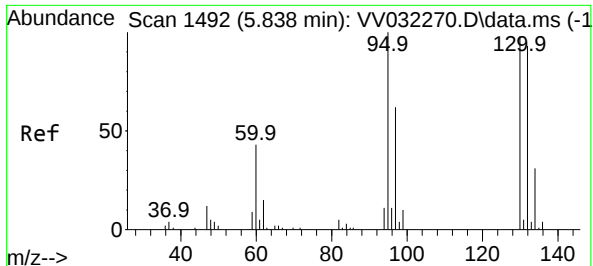
Delta R.T. -0.000 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

Tgt Ion: 78 Resp: 12825





#34

Trichloroethene

Concen: 26.167 ug/L

RT: 5.831 min Scan# 1492

Delta R.T. -0.006 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 206481

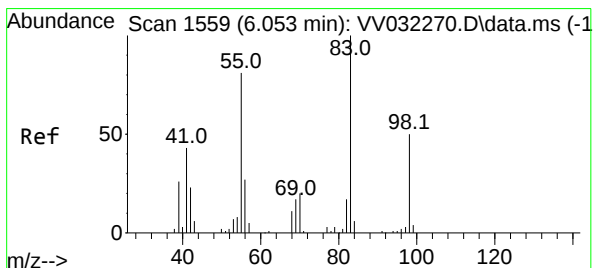
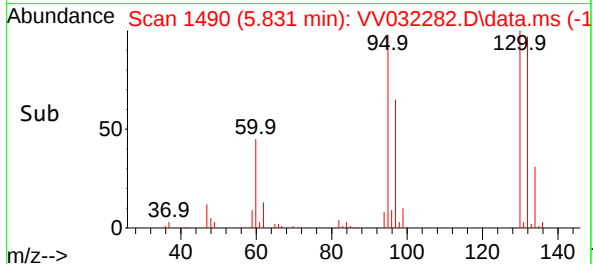
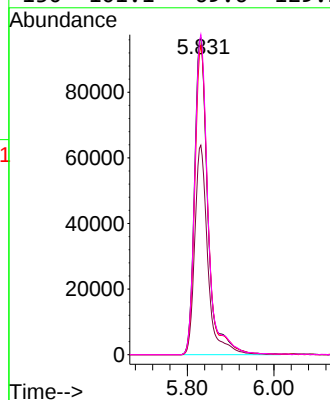
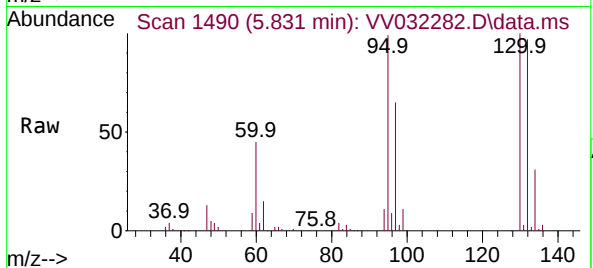
Ion Ratio Lower Upper

95 100

97 66.2 45.7 84.9

132 97.6 70.3 130.5

130 101.1 69.6 129.2



#35

Methylcyclohexane

Concen: 0.339 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.003 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

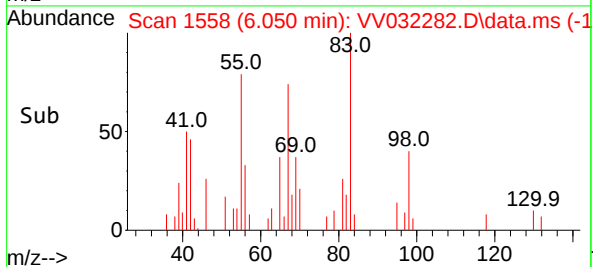
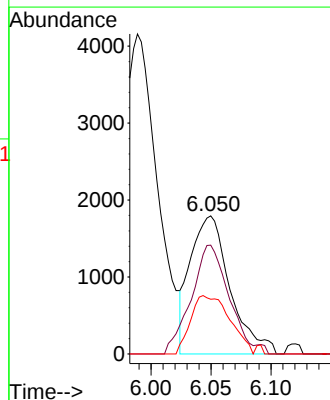
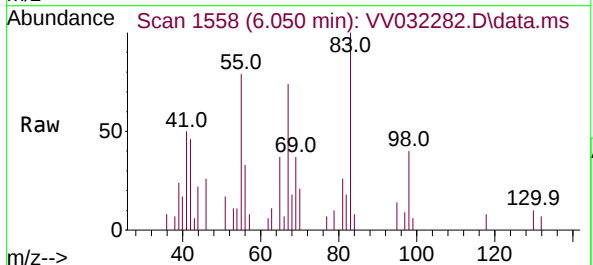
Tgt Ion: 83 Resp: 4134

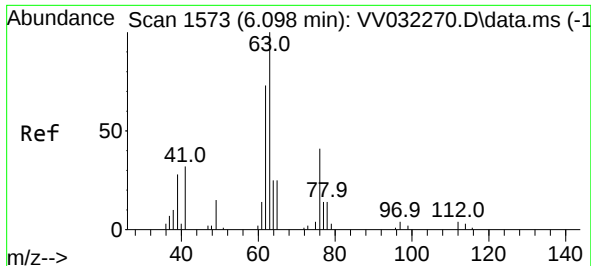
Ion Ratio Lower Upper

83 100

55 75.4 64.2 96.2

98 41.6 39.6 59.4





#37

1,2-Dichloropropane

Concen: 0.606 ug/L

RT: 5.985 min Scan# 11

Delta R.T. -0.113 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

Instrument :

MSVOA_V

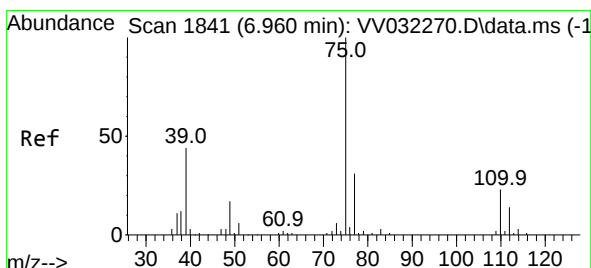
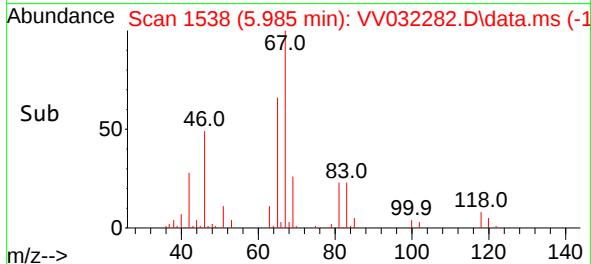
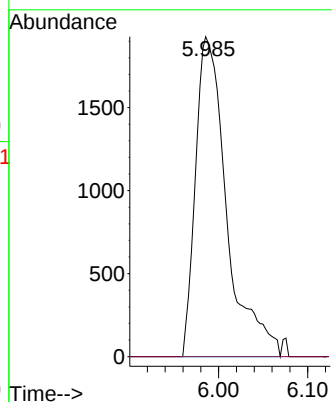
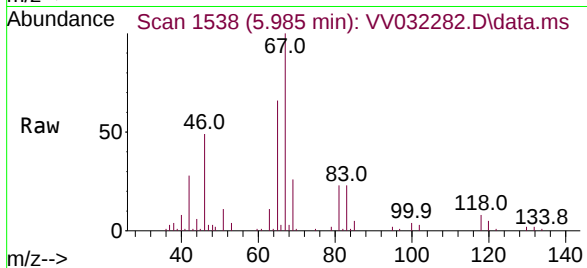
ClientSampleId :

Tgt Ion: 63 Resp: 4687

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.042 min

Lab File: VV032282.D

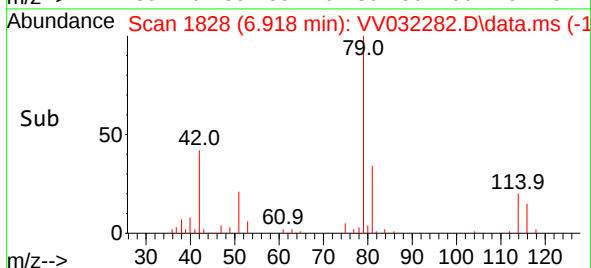
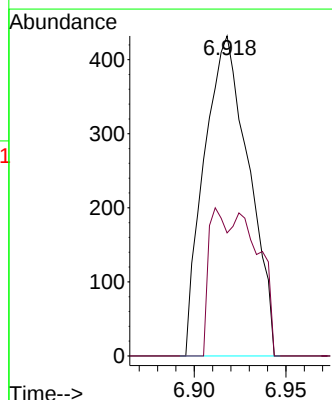
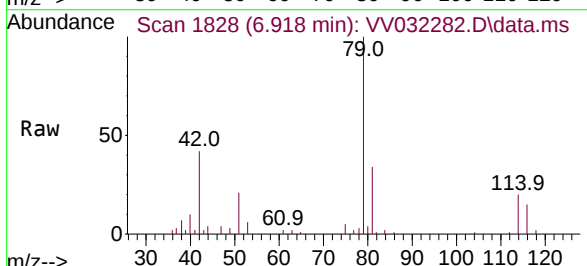
Acq: 06 Oct 2023 04:15

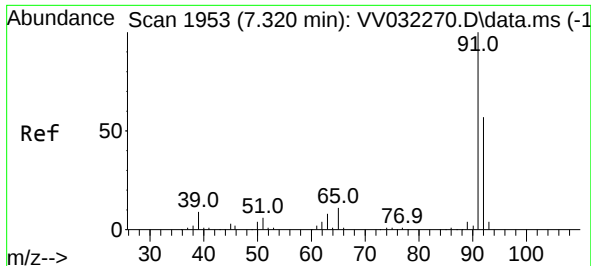
Tgt Ion: 75 Resp: 728

Ion Ratio Lower Upper

75 100

77 38.4 22.2 41.2





#42

Toluene

Concen: 0.995 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

Instrument :

MSVOA_V

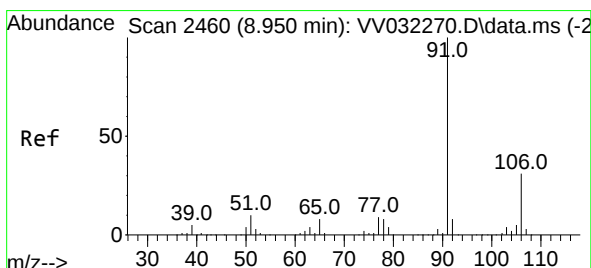
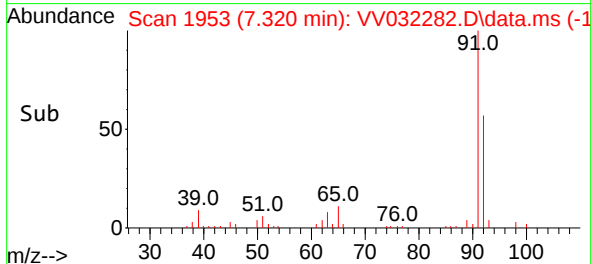
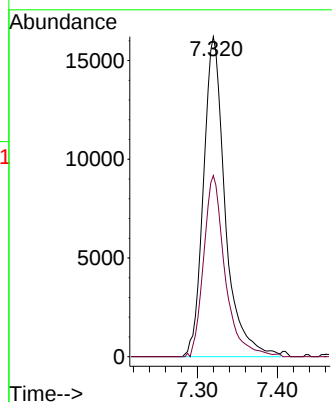
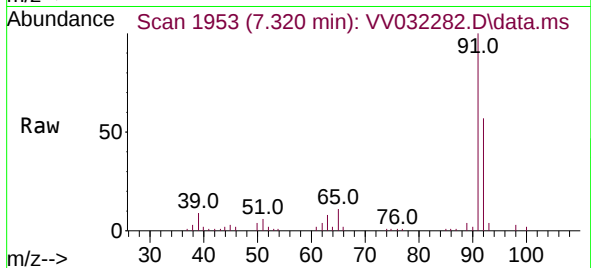
ClientSampleId :

Tgt Ion: 91 Resp: 30652

Ion Ratio Lower Upper

91 100

92 56.6 40.8 75.8



#52

Ethylbenzene

Concen: 0.195 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV032282.D

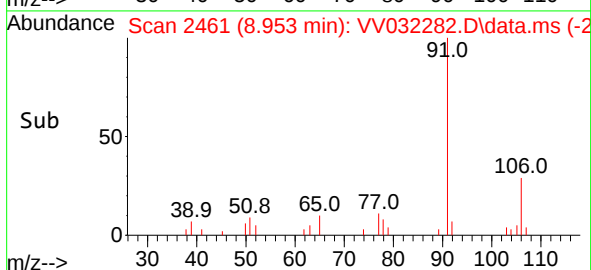
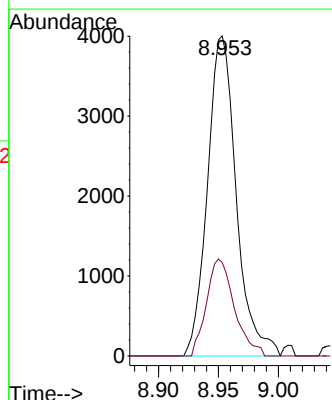
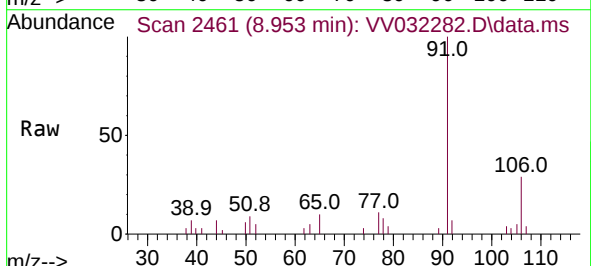
Acq: 06 Oct 2023 04:15

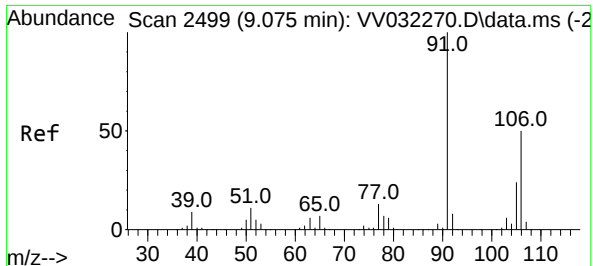
Tgt Ion: 91 Resp: 6689

Ion Ratio Lower Upper

91 100

106 29.1 21.3 39.5

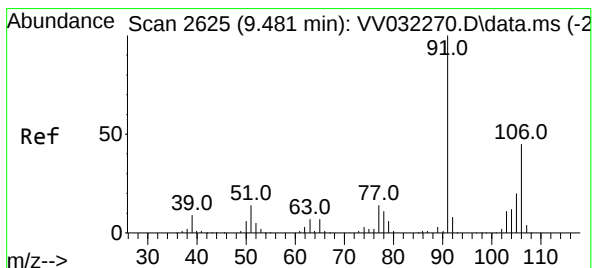
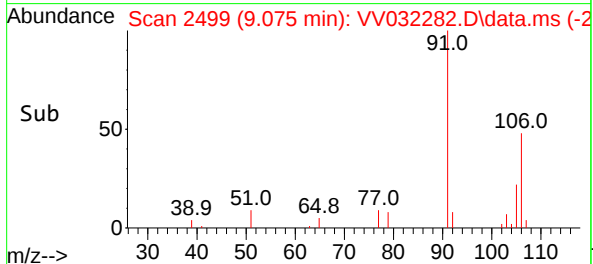
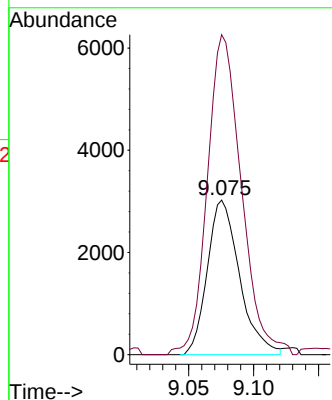
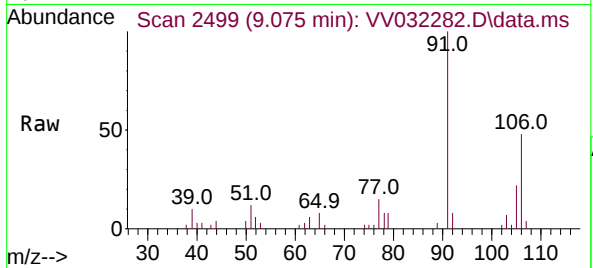




#53
m,p-Xylene
Concen: 0.410 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032282.D
Acq: 06 Oct 2023 04:15

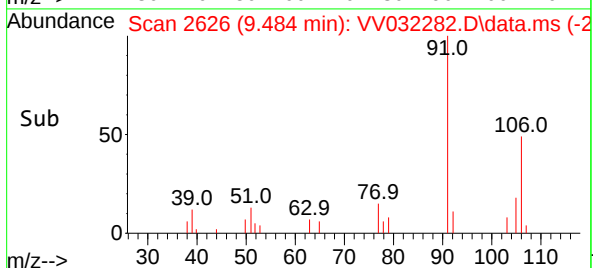
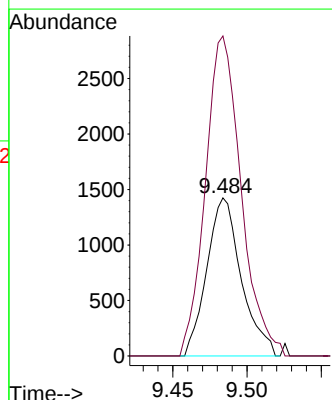
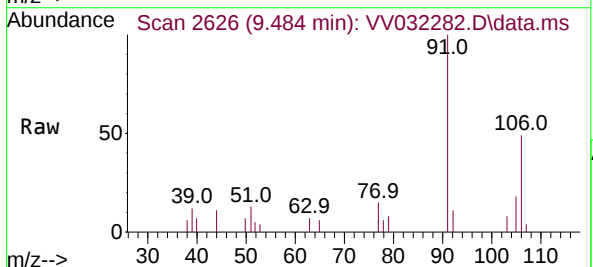
Instrument :
MSVOA_V
ClientSampleId :

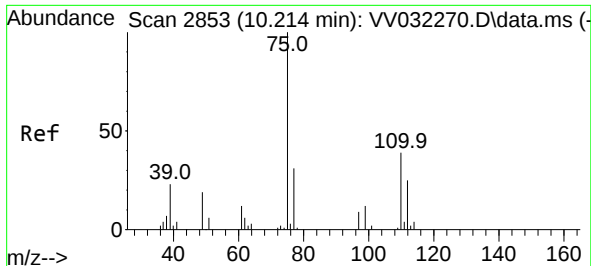
Tgt Ion:106 Resp: 5218
Ion Ratio Lower Upper
106 100
91 207.1 144.5 268.3



#54
o-Xylene
Concen: 0.188 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV032282.D
Acq: 06 Oct 2023 04:15

Tgt Ion:106 Resp: 2300
Ion Ratio Lower Upper
106 100
91 202.3 154.8 287.4





#61

1,2,3-Trichloropropane

Concen: 1.225 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.974 min

Lab File: VV032282.D

Acq: 06 Oct 2023 04:15

Instrument :

MSVOA_V

ClientSampleId :

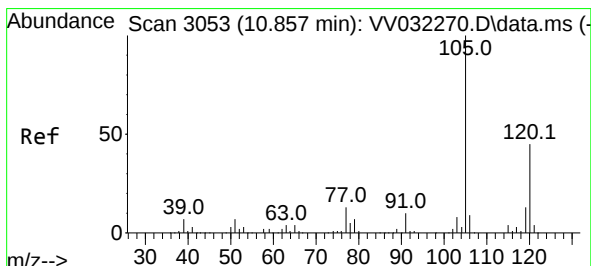
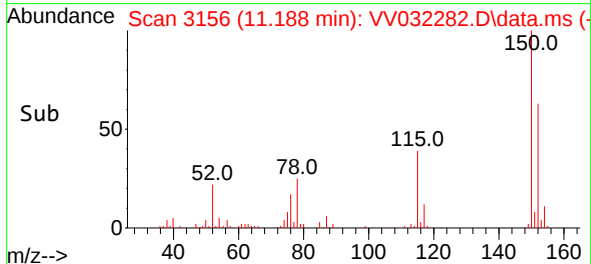
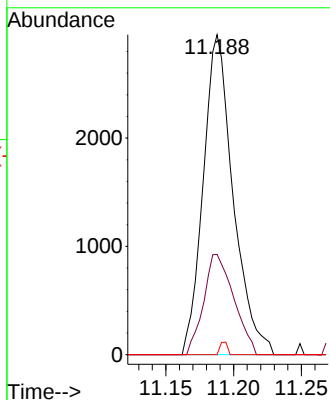
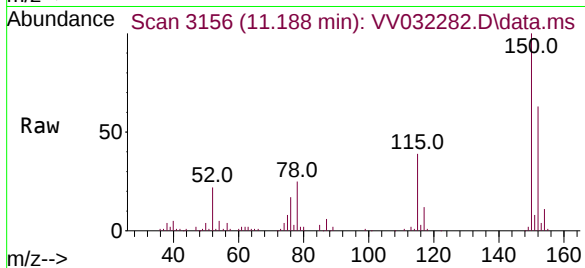
Tgt Ion: 75 Resp: 4534

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

110 1.0 30.6 46.0#



#63

1,2,4-Trimethylbenzene

Concen: 0.213 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV032282.D

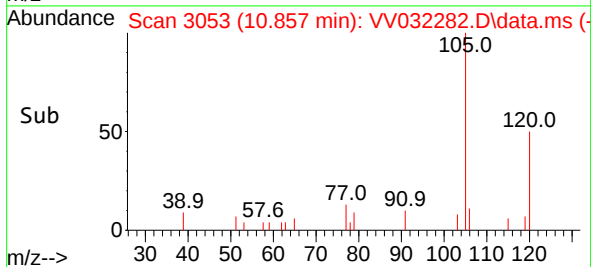
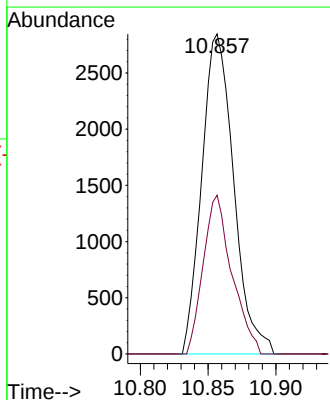
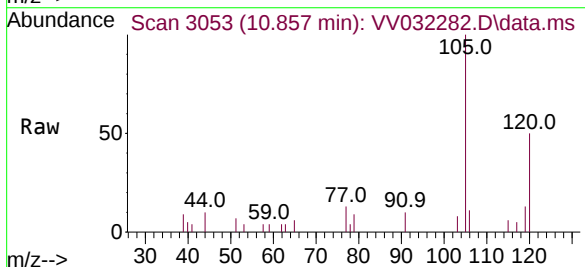
Acq: 06 Oct 2023 04:15

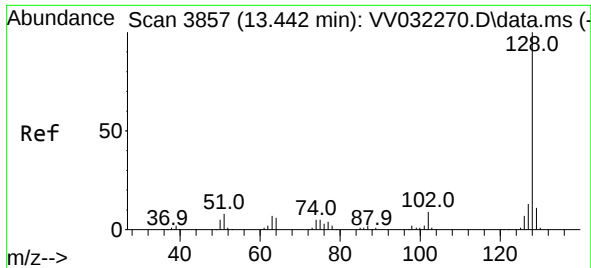
Tgt Ion: 105 Resp: 4670

Ion Ratio Lower Upper

105 100

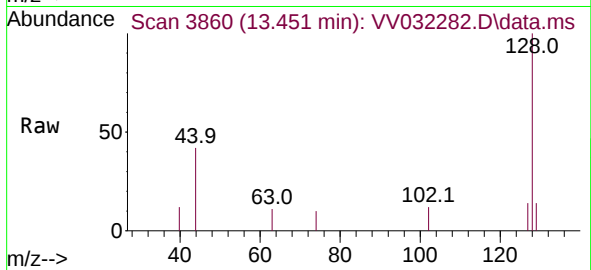
120 44.6 36.2 54.4





#71
Naphthalene
Concen: 0.133 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.010 min
Lab File: VV032282.D
Acq: 06 Oct 2023 04:15

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 1899
Ion Ratio Lower Upper
128 100
129 7.8 9.0 13.4#
127 9.6 10.2 15.2#

