

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100523\
 Data File : VW032280.D
 Acq On : 06 Oct 2023 01:27
 Operator : SY/MD
 Sample : 04748-26
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 06 05:28:45 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	5.538	114	80862	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	70140	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	30312	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	25809	3.924	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	78.400%	
7) Chloroethane-d5	1.532	69	24163	4.526	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.600%	
11) 1,1-Dichloroethene-d2	2.059	65	10103	3.643	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	72.800%	
20) 2-Butanone-d5	3.805	46	89890	54.033	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	108.060%	
24) Chloroform-d	4.252	84	50341	4.339	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	86.800%	
26) 1,2-Dichloroethane-d4	4.947	65	26703	4.859	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	97.200%	
32) Benzene-d6	4.966	84	90978	4.408	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.200%	
36) 1,2-Dichloropropane-d6	5.992	67	35773	5.231	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	104.600%	
41) Toluene-d8	7.246	98	75441	3.997	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.000%	
43) trans-1,3-Dichloroprop...	7.564	79	10136	4.183	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	83.600%	
46) 2-Hexanone-d5	8.030	63	66959	58.732	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	117.460%	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	26023	5.441	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	108.800%	
66) 1,2-Dichlorobenzene-d4	11.564	152	26349	4.684	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	93.600%	
Target Compounds						
					Qvalue	
13) Acetone	2.133	43	13554	10.571	ug/L	97
14) Carbon disulfide	2.243	76	3742	0.180	ug/L #	94
15) Methyl Acetate	2.439	43	590	0.204	ug/L #	53
18) trans-1,2-Dichloroethene	2.703	96	2506	0.369	ug/L	92
22) cis-1,2-Dichloroethene	3.821	96	1610	0.220	ug/L	90
29) 1,1,1-Trichloroethane	4.519	97	1721	0.180	ug/L	91
30) Cyclohexane	4.590	56	2286	0.218	ug/L #	54
33) Benzene	5.018	78	7173	0.290	ug/L	100
34) Trichloroethene	5.834	95	745789	110.629	ug/L	98
35) Methylcyclohexane	6.046	83	3324	0.319	ug/L #	87
39) cis-1,3-Dichloropropene	6.921	75	874	0.093	ug/L #	39
42) Toluene	7.326	91	13420	0.510	ug/L	97
52) Ethylbenzene	8.963	91	2735	0.093	ug/L	100
53) m,p-Xylene	9.085	106	1998	0.184	ug/L	97
54) o-Xylene	9.490	106	1050	0.100	ug/L	76
61) 1,2,3-Trichloropropane	11.188	75	4158	1.289	ug/L #	65
63) 1,2,4-Trimethylbenzene	10.860	105	2151	0.113	ug/L	95
71) Naphthalene	13.451	128	1238	0.100	ug/L #	86

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 06 05:25:10 2023
Response via : Initial Calibration

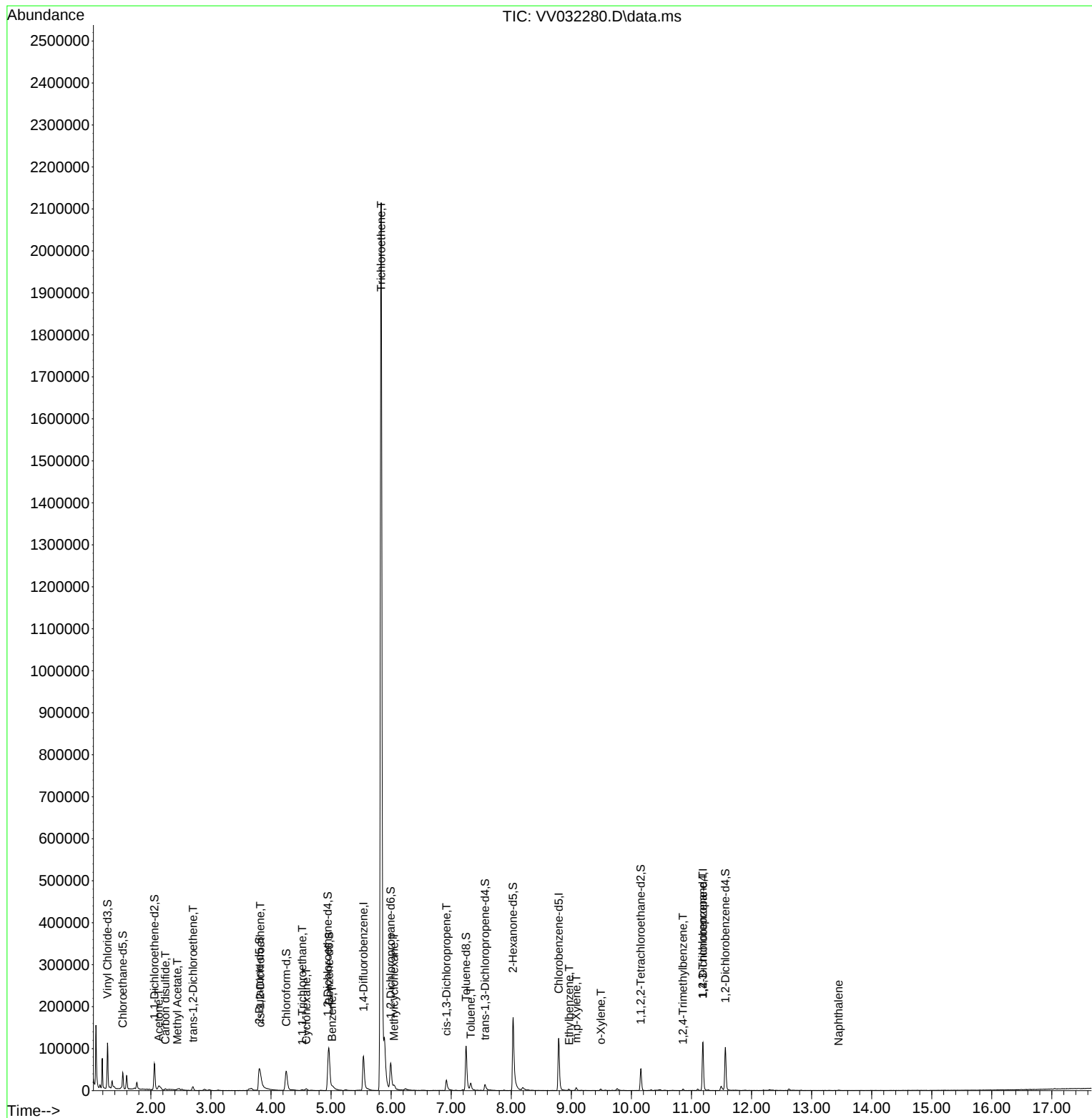
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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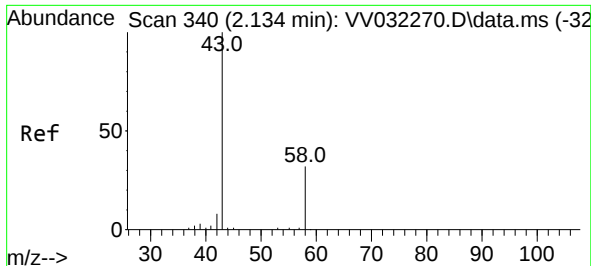
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 10.571 ug/L

RT: 2.133 min Scan# 340

Delta R.T. -0.000 min

Lab File: VV032280.D

Acq: 06 Oct 2023 01:27

Instrument :

MSVOA_V

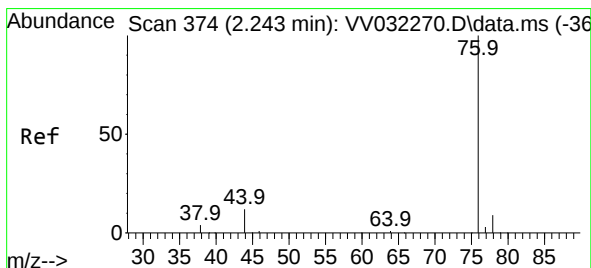
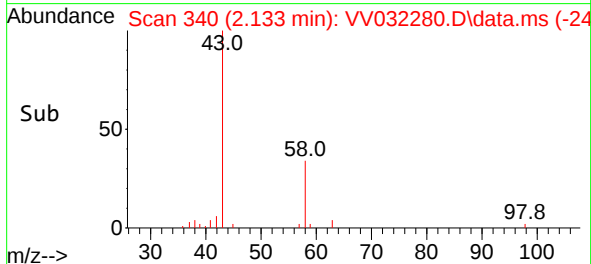
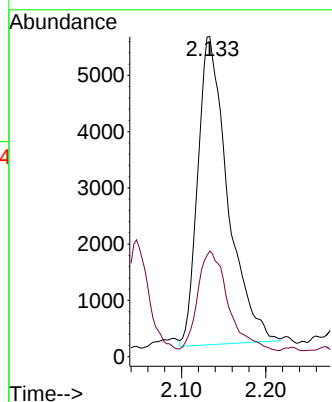
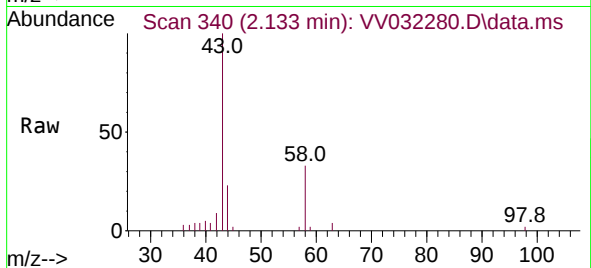
ClientSampleId :

Tgt Ion: 43 Resp: 13554

Ion Ratio Lower Upper

43 100

58 34.4 0.0 66.0



#14

Carbon disulfide

Concen: 0.180 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV032280.D

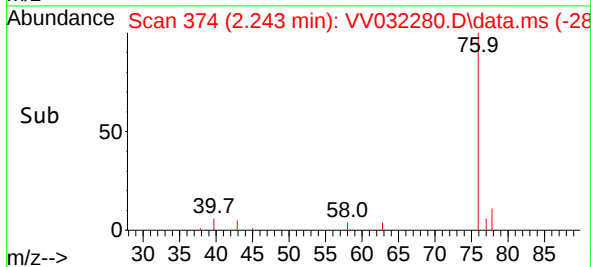
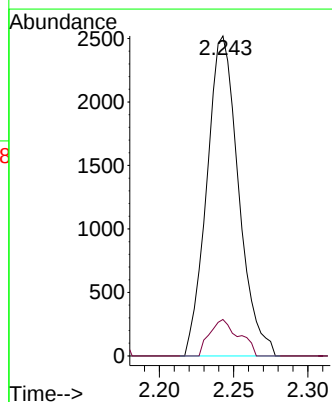
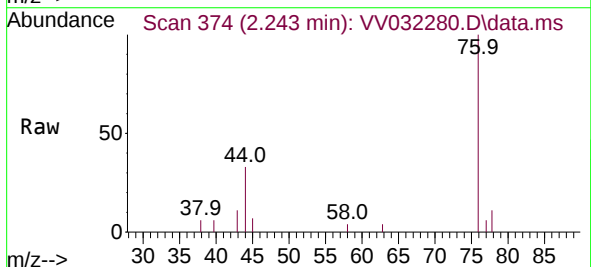
Acq: 06 Oct 2023 01:27

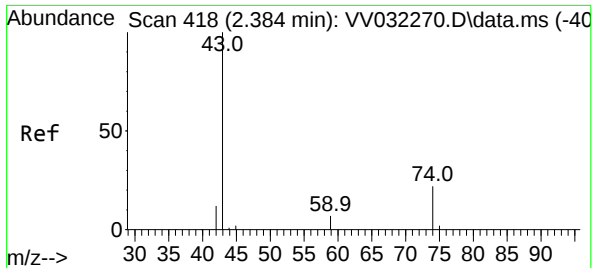
Tgt Ion: 76 Resp: 3742

Ion Ratio Lower Upper

76 100

78 11.4 7.4 11.2#

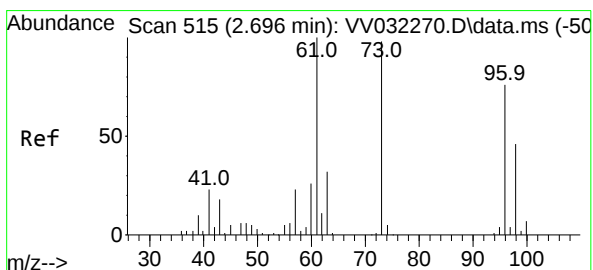
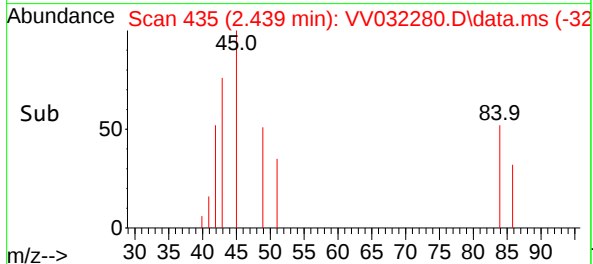
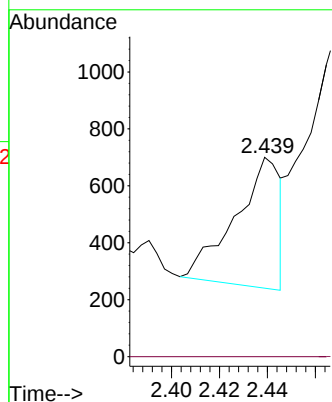
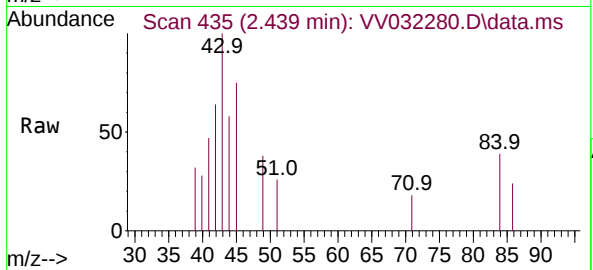




#15
Methyl Acetate
Concen: 0.204 ug/L
RT: 2.439 min Scan# 418
Delta R.T. 0.054 min
Lab File: VV032280.D
Acq: 06 Oct 2023 01:27

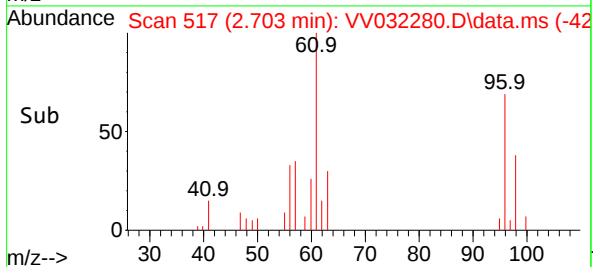
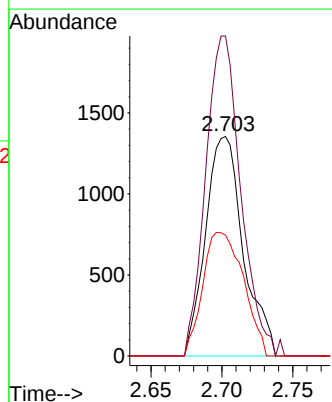
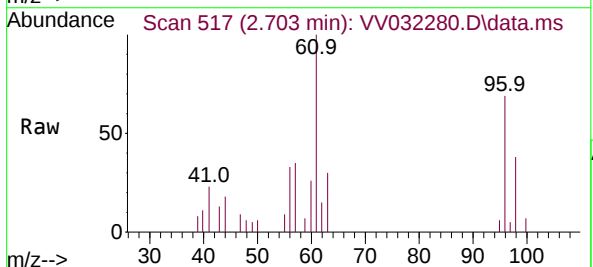
Instrument :
MSVOA_V
ClientSampleId :

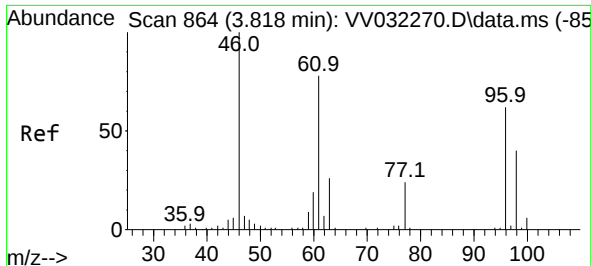
Tgt Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#18
trans-1,2-Dichloroethene
Concen: 0.369 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.006 min
Lab File: VV032280.D
Acq: 06 Oct 2023 01:27

Tgt Ion: 96 Resp: 2506
Ion Ratio Lower Upper
96 100
61 145.8 96.9 180.1
98 55.1 45.3 84.1





#22

cis-1,2-Dichloroethene

Concen: 0.220 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.003 min

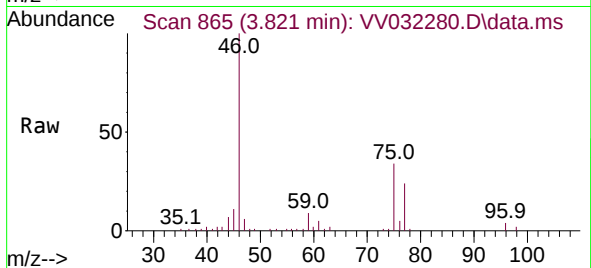
Lab File: VV032280.D

Acq: 06 Oct 2023 01:27

Instrument :

MSVOA_V

ClientSampleId :



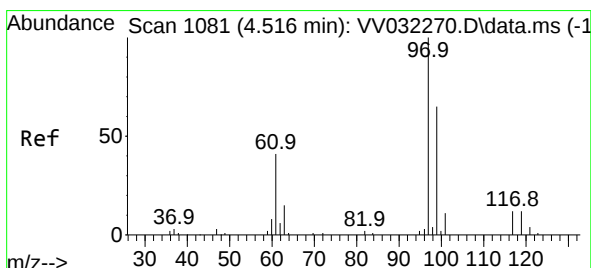
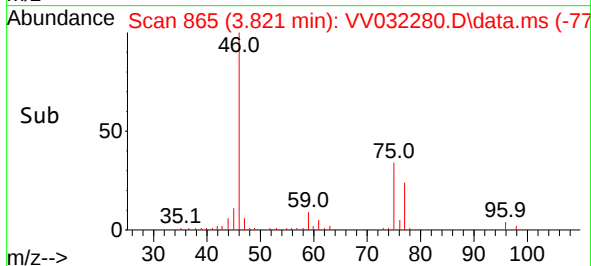
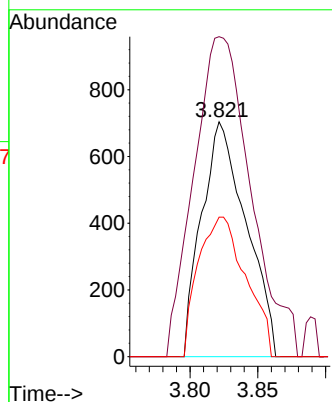
Tgt Ion: 96 Resp: 1610

Ion Ratio Lower Upper

96 100

61 136.2 85.8 159.4

98 59.4 44.0 81.6



#29

1,1,1-Trichloroethane

Concen: 0.180 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV032280.D

Acq: 06 Oct 2023 01:27

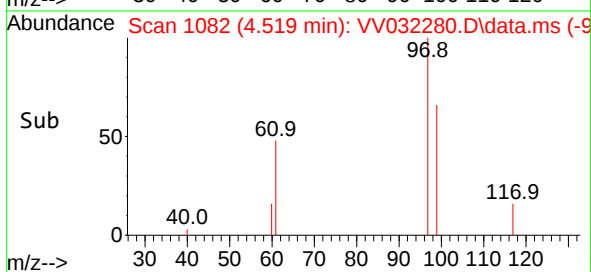
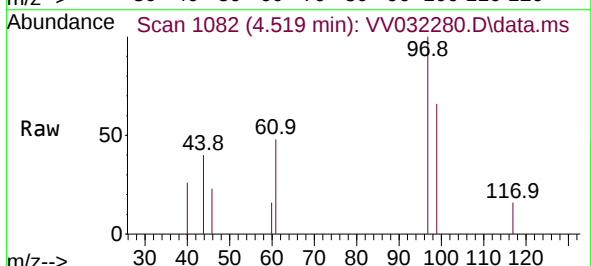
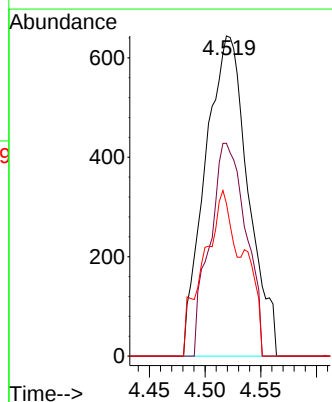
Tgt Ion: 97 Resp: 1721

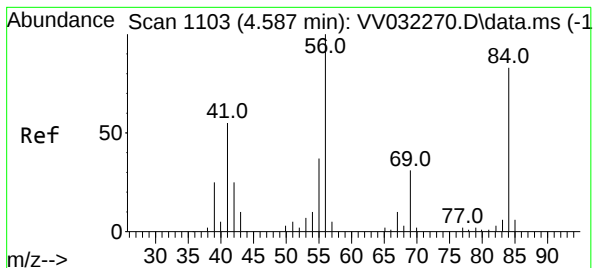
Ion Ratio Lower Upper

97 100

99 56.0 50.1 75.1

61 38.4 35.1 52.7





#30

Cyclohexane

Concen: 0.218 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV032280.D

Acq: 06 Oct 2023 01:27

Instrument :

MSVOA_V

ClientSampleId :

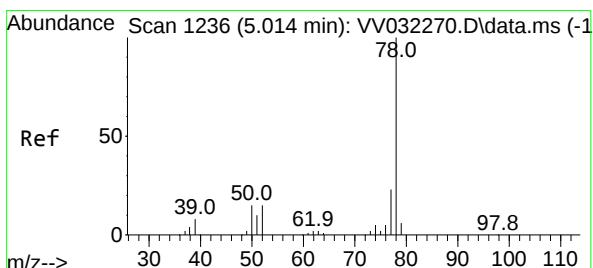
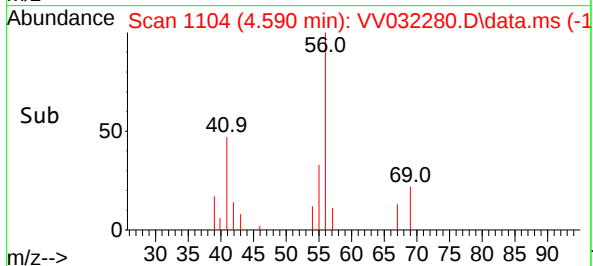
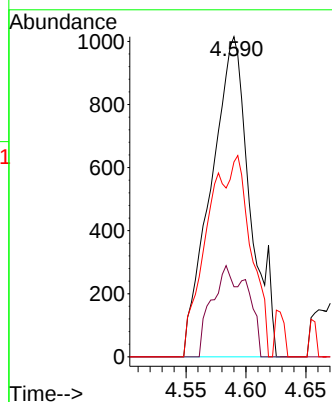
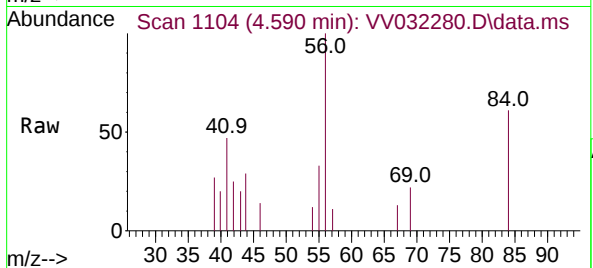
Tgt Ion: 56 Resp: 2286

Ion Ratio Lower Upper

56 100

69 17.7 24.2 36.2#

84 35.4 68.1 102.1#



#33

Benzene

Concen: 0.290 ug/L

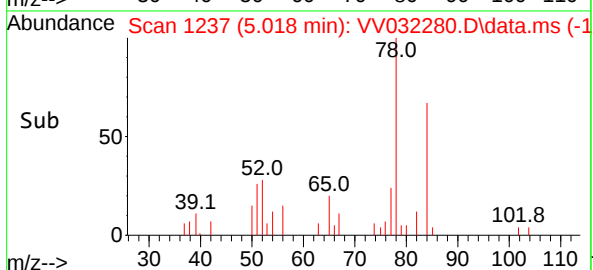
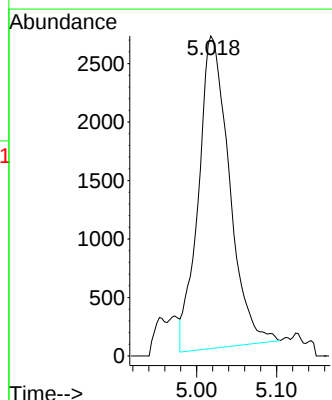
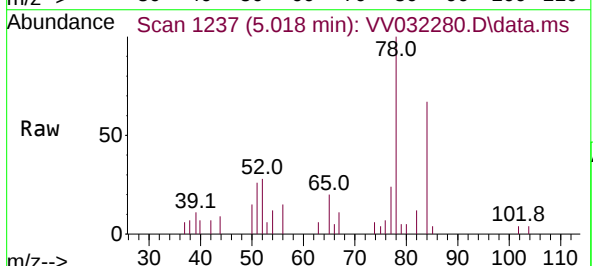
RT: 5.018 min Scan# 1237

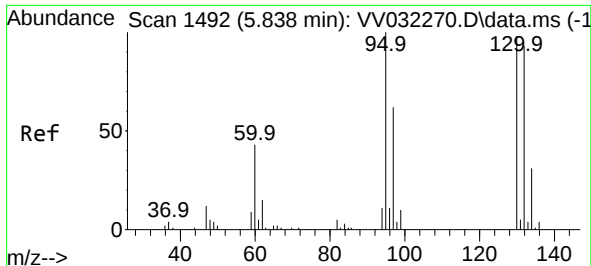
Delta R.T. 0.003 min

Lab File: VV032280.D

Acq: 06 Oct 2023 01:27

Tgt Ion: 78 Resp: 7173

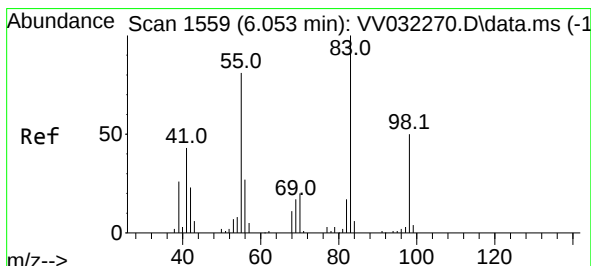
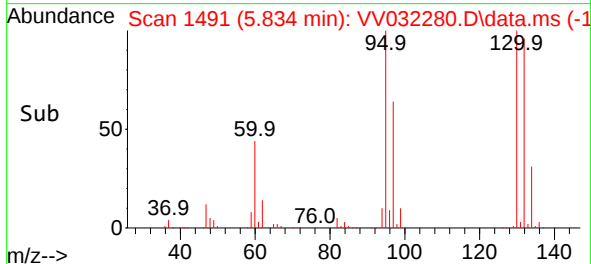
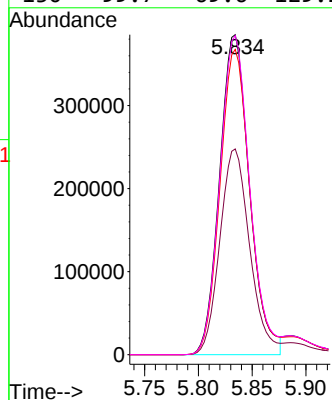
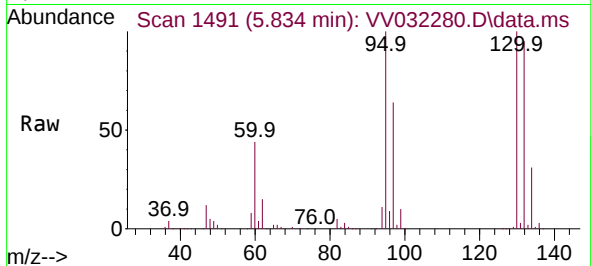




#34
Trichloroethene
Concen: 110.629 ug/L
RT: 5.834 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV032280.D
Acq: 06 Oct 2023 01:27

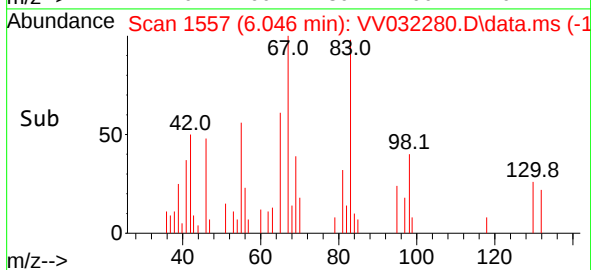
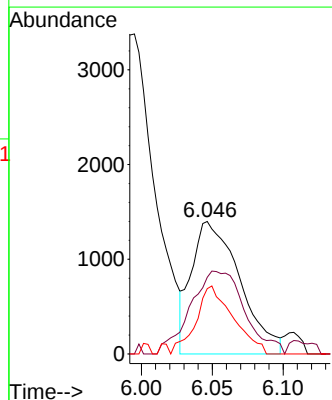
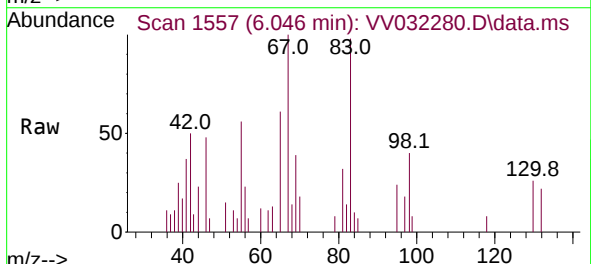
Instrument :
MSVOA_V
ClientSampleId :

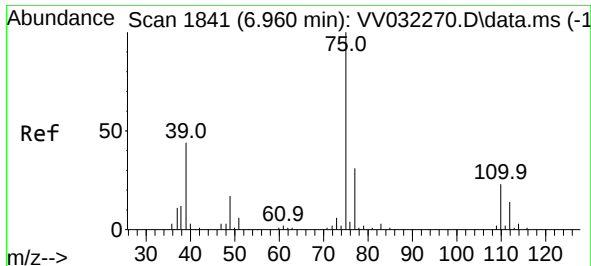
Tgt Ion: 95 Resp: 745789
Ion Ratio Lower Upper
95 100
97 64.3 45.7 84.9
132 95.4 70.3 130.5
130 99.7 69.6 129.2



#35
Methylcyclohexane
Concen: 0.319 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. -0.007 min
Lab File: VV032280.D
Acq: 06 Oct 2023 01:27

Tgt Ion: 83 Resp: 3324
Ion Ratio Lower Upper
83 100
55 70.0 64.2 96.2
98 39.5 39.6 59.4#





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 6.921 min Scan# 1829

Delta R.T. -0.039 min

Lab File: VV032280.D

Acq: 06 Oct 2023 01:27

Instrument :

MSVOA_V

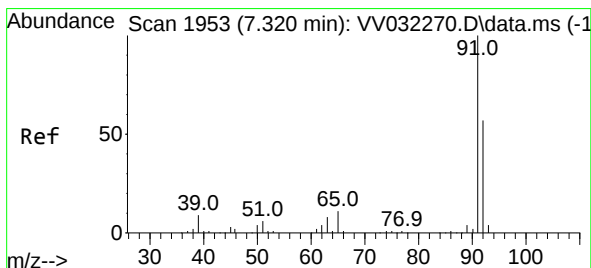
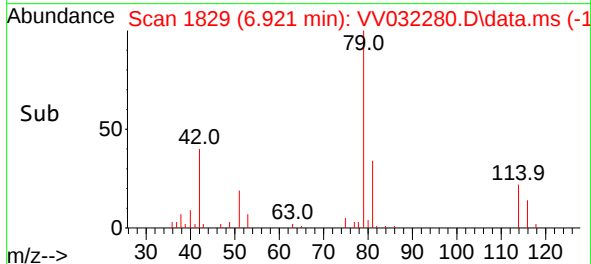
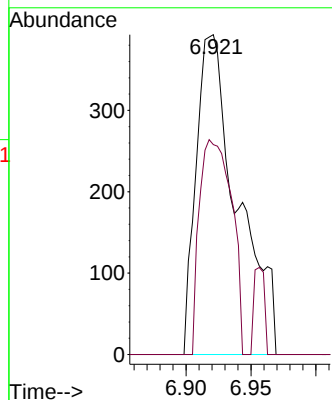
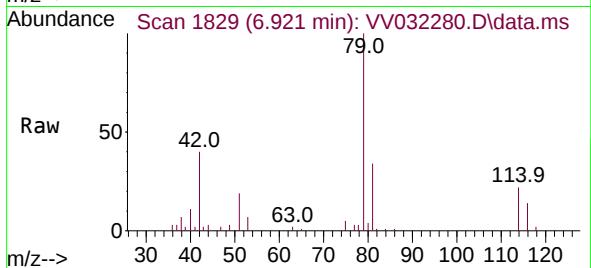
ClientSampleId :

Tgt Ion: 75 Resp: 874

Ion Ratio Lower Upper

75 100

77 65.6 22.2 41.2#



#42

Toluene

Concen: 0.510 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VV032280.D

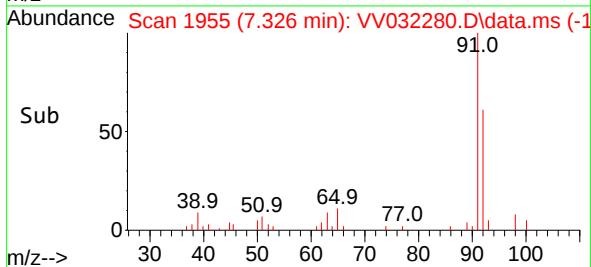
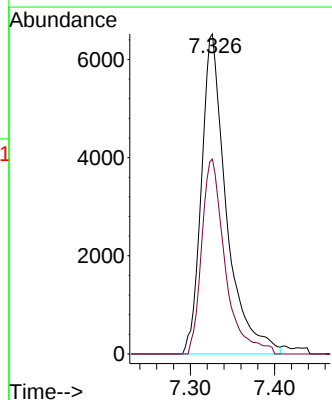
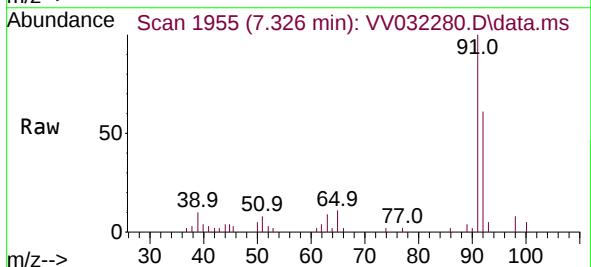
Acq: 06 Oct 2023 01:27

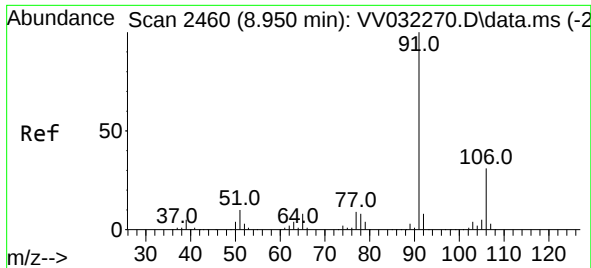
Tgt Ion: 91 Resp: 13420

Ion Ratio Lower Upper

91 100

92 60.9 40.8 75.8





#52

Ethylbenzene

Concen: 0.093 ug/L

RT: 8.963 min Scan# 2464

Delta R.T. 0.013 min

Lab File: VV032280.D

Acq: 06 Oct 2023 01:27

Instrument :

MSVOA_V

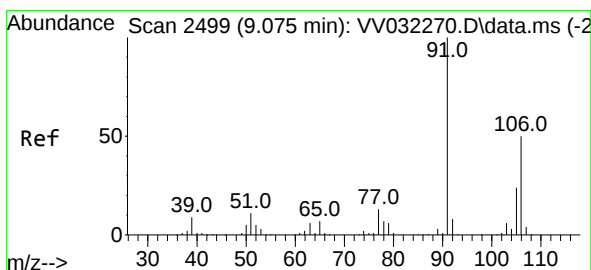
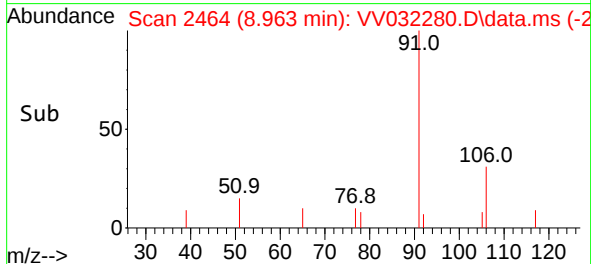
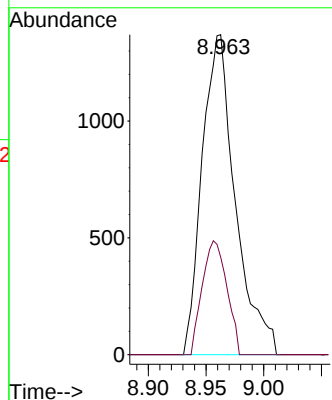
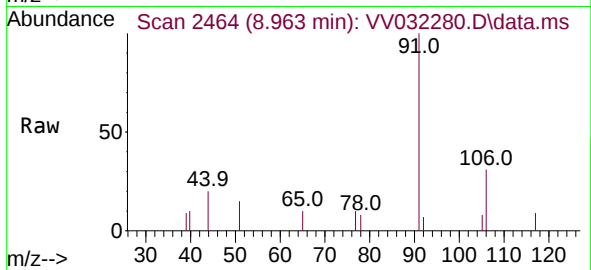
ClientSampleId :

Tgt Ion: 91 Resp: 2735

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.5



#53

m,p-Xylene

Concen: 0.184 ug/L

RT: 9.085 min Scan# 2502

Delta R.T. 0.009 min

Lab File: VV032280.D

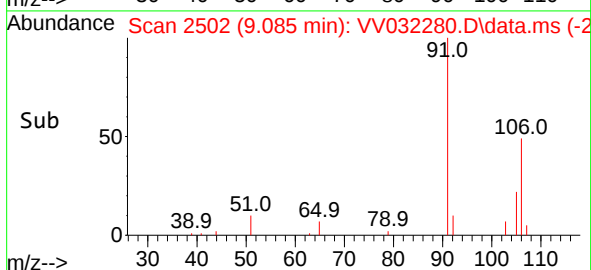
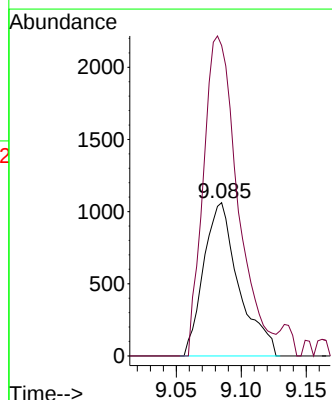
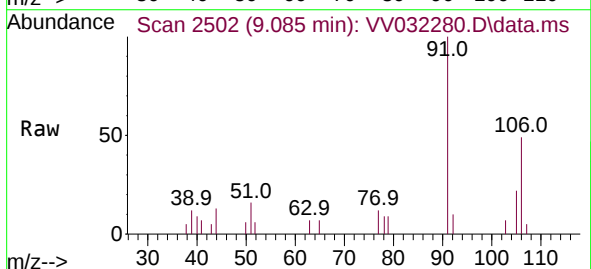
Acq: 06 Oct 2023 01:27

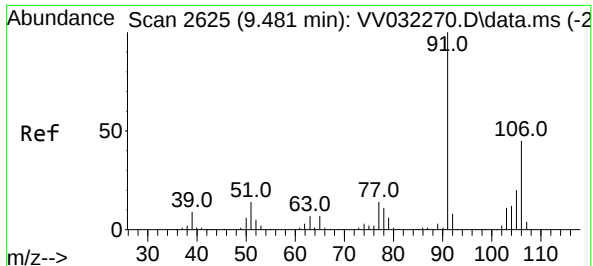
Tgt Ion:106 Resp: 1998

Ion Ratio Lower Upper

106 100

91 202.4 144.5 268.3





#54

o-Xylene

Concen: 0.100 ug/L

RT: 9.490 min Scan# 2

Delta R.T. 0.009 min

Lab File: VV032280.D

Acq: 06 Oct 2023 01:27

Instrument :

MSVOA_V

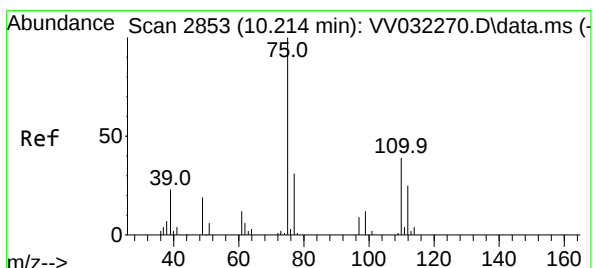
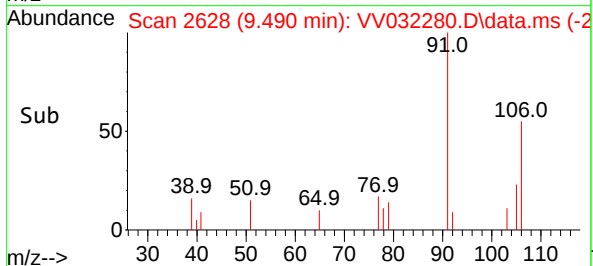
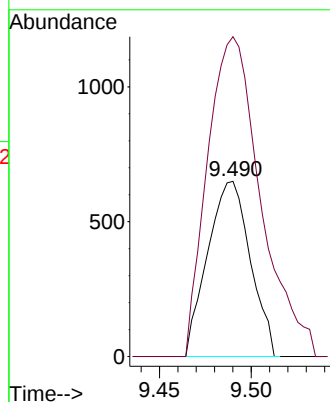
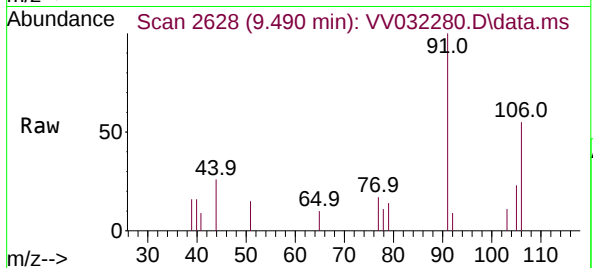
ClientSampleId :

Tgt Ion:106 Resp: 1050

Ion Ratio Lower Upper

106 100

91 182.5 154.8 287.4



#61

1,2,3-Trichloropropane

Concen: 1.289 ug/L

RT: 11.188 min Scan# 3156

Delta R.T. 0.974 min

Lab File: VV032280.D

Acq: 06 Oct 2023 01:27

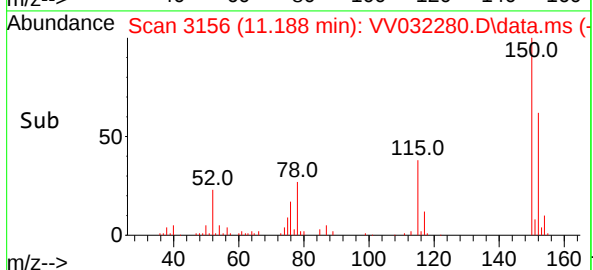
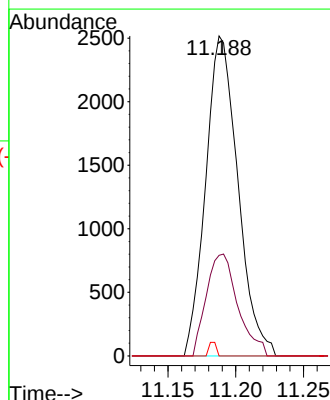
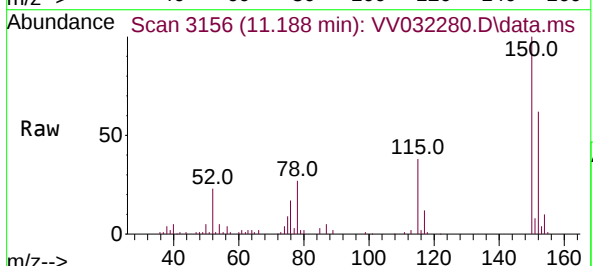
Tgt Ion: 75 Resp: 4158

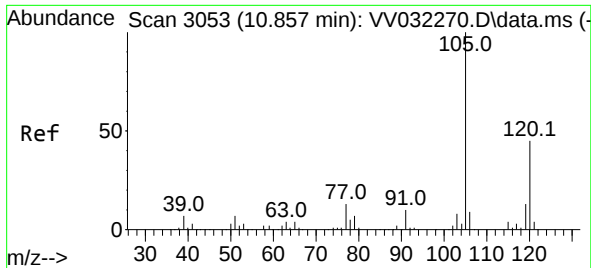
Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

110 1.0 30.6 46.0#

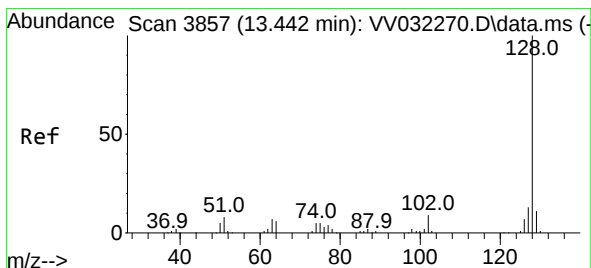
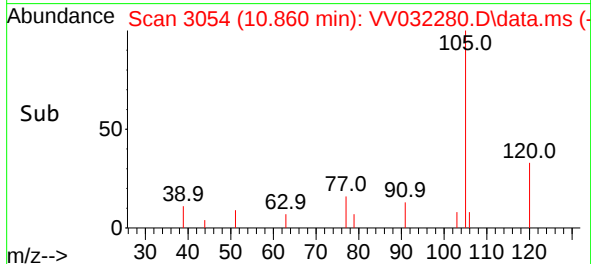
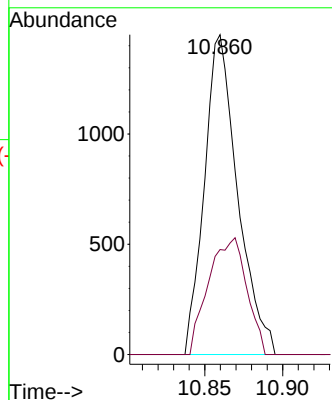
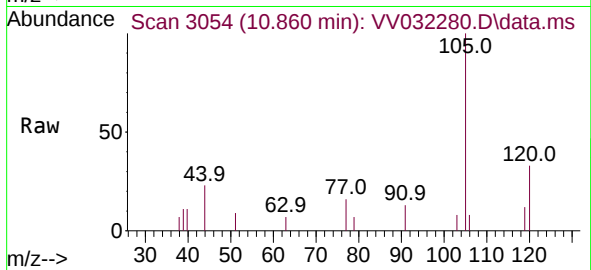




#63
1,2,4-Trimethylbenzene
Concen: 0.113 ug/L
RT: 10.860 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VV032280.D
Acq: 06 Oct 2023 01:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 2151
Ion Ratio Lower Upper
105 100
120 41.9 36.2 54.4



#71
Naphthalene
Concen: 0.100 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.009 min
Lab File: VV032280.D
Acq: 06 Oct 2023 01:27

Tgt Ion:128 Resp: 1238
Ion Ratio Lower Upper
128 100
129 6.9 9.0 13.4#
127 6.2 10.2 15.2#

