

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101723\
 Data File : VW032445.D
 Acq On : 17 Oct 2023 15:05
 Operator : SY/MD
 Sample : 04903-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 06:04:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 18 06:02:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	103699	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	116587	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	55530	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	33501	3.972	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.400%
7) Chloroethane-d5	1.532	69	30682	4.482	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.060	65	14147	3.977	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	3.815	46	114388	53.616	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.240%
24) Chloroform-d	4.256	84	67265	4.521	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	4.950	65	32704	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
32) Benzene-d6	4.966	84	119009	3.469	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.400%#
36) 1,2-Dichloropropane-d6	5.995	67	41018	3.609	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.200%
41) Toluene-d8	7.249	98	107623	3.431	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.600%#
43) trans-1,3-Dichloroprop...	7.561	79	15057	3.738	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.031	63	95091	50.179	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.360%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	38225	4.808	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	11.564	152	44854	4.353	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	980	0.084	ug/L	83
13) Acetone	2.143	43	33281	20.240	ug/L	97
14) Carbon disulfide	2.243	76	11770	0.443	ug/L	96
15) Methyl Acetate	2.143	43	33281	8.990	ug/L #	53
21) 2-Butanone	3.918	43	10014	3.894	ug/L	84
22) cis-1,2-Dichloroethene	3.822	96	5433	0.579	ug/L	94
25) Chloroform	4.285	83	7607	0.473	ug/L	99
34) Trichloroethene	5.844	95	1340	0.120	ug/L	90
35) Methylcyclohexane	6.053	83	1951	0.113	ug/L #	35
37) 1,2-Dichloropropane	6.056	63	738	0.067	ug/L #	87
47) Tetrachloroethene	7.908	164	3608	0.425	ug/L	91
49) Dibromochloromethane	7.912	129	3498	0.434	ug/L #	8
52) Ethylbenzene	8.957	91	3372	0.069	ug/L	87
53) m,p-Xylene	9.082	106	4427	0.245	ug/L	98
54) o-Xylene	9.487	106	1637	0.094	ug/L	84
61) 1,2,3-Trichloropropane	11.191	75	7071	1.196	ug/L #	64
63) 1,2,4-Trimethylbenzene	10.857	105	10833	0.309	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.201	75	401	0.332	ug/L #	1
71) Naphthalene	13.452	128	2298	0.101	ug/L #	82

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 18 06:02:40 2023
Response via : Initial Calibration

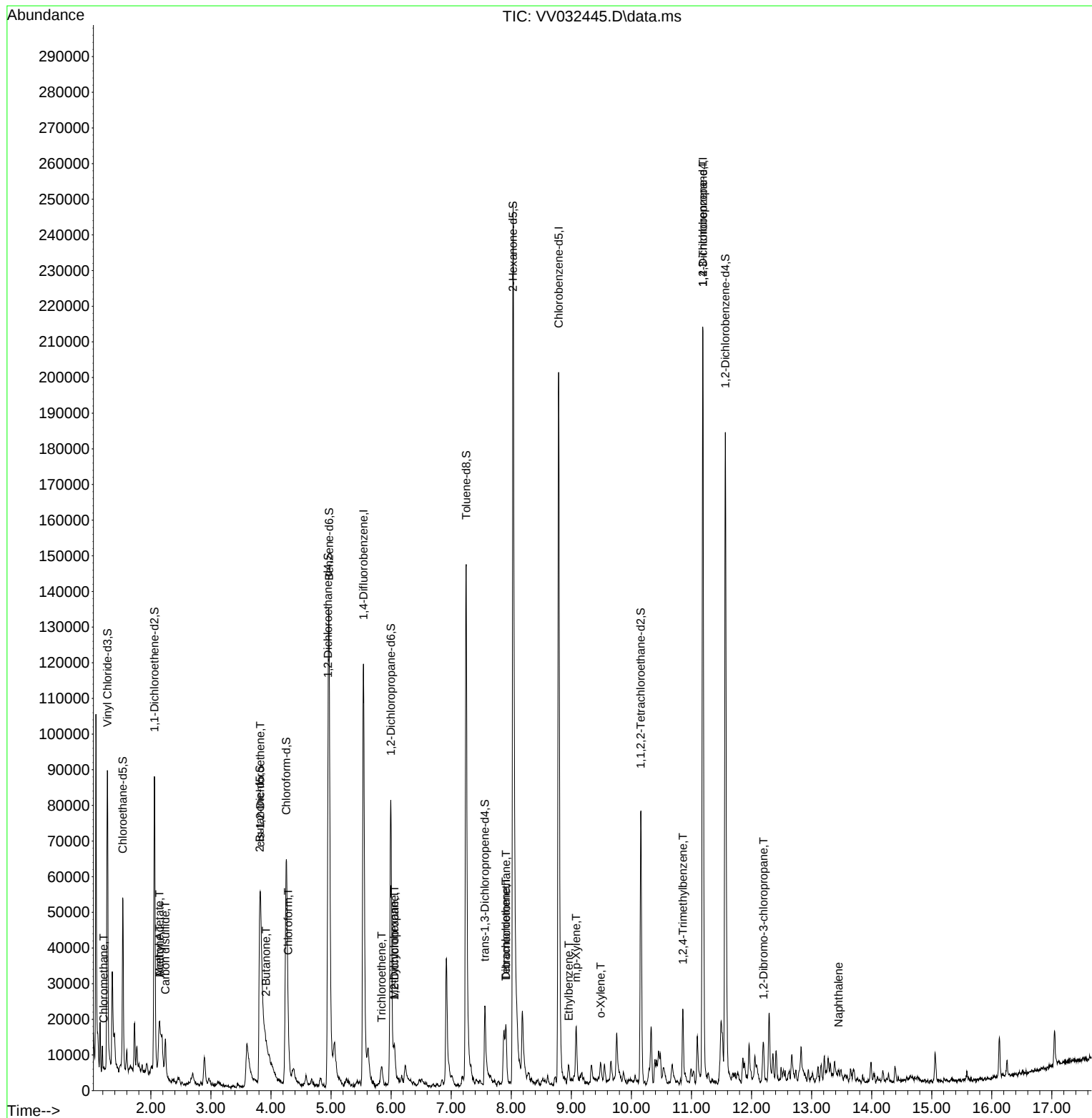
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

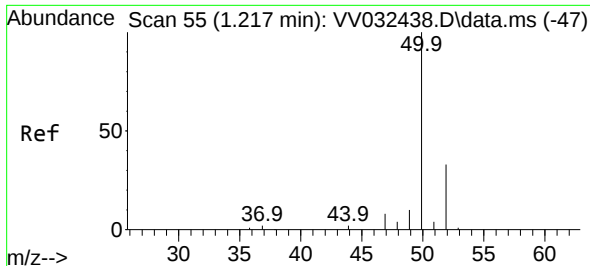
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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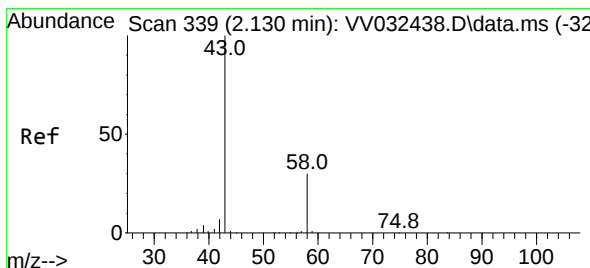
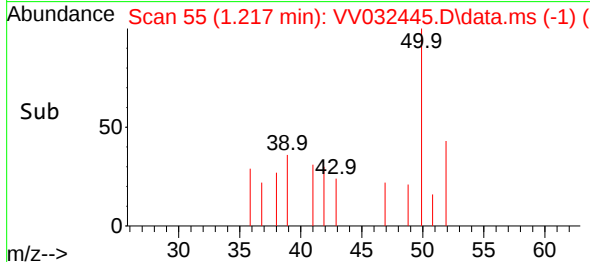
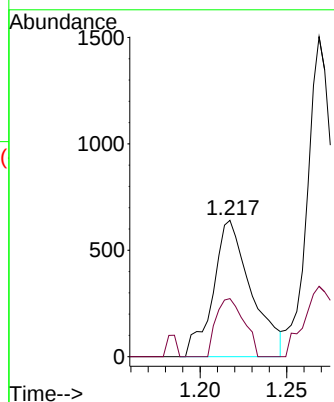
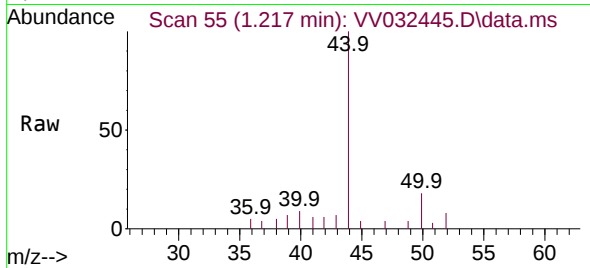




#3
Chloromethane
Concen: 0.084 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

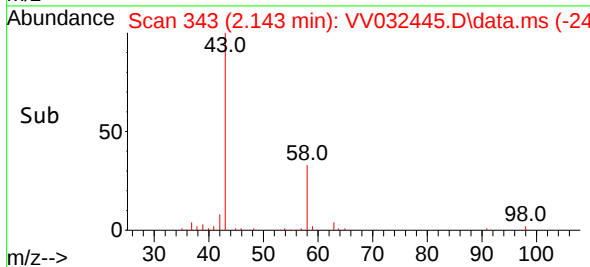
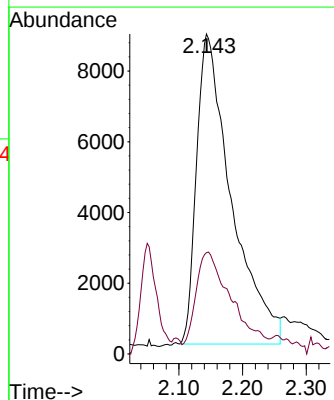
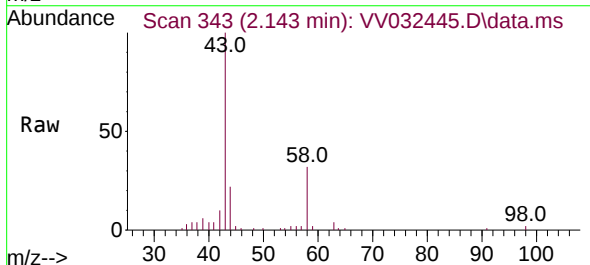
Instrument :
MSVOA_V
ClientSampleId :

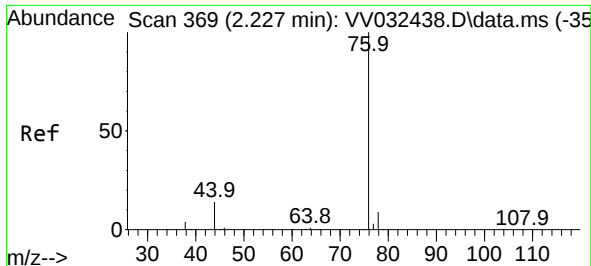
Tgt Ion: 50 Resp: 980
Ion Ratio Lower Upper
50 100
52 42.6 23.0 42.6



#13
Acetone
Concen: 20.240 ug/L
RT: 2.143 min Scan# 343
Delta R.T. 0.013 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

Tgt Ion: 43 Resp: 33281
Ion Ratio Lower Upper
43 100
58 31.3 0.0 66.0

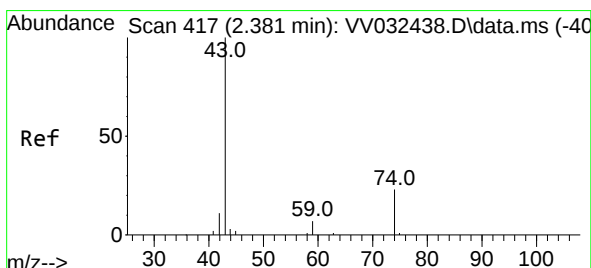
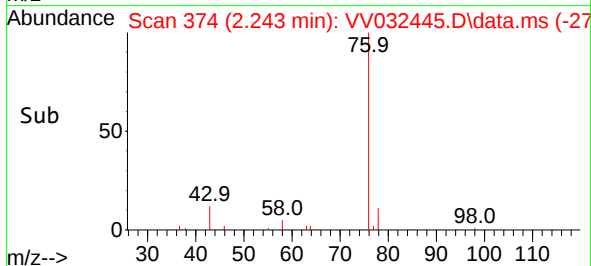
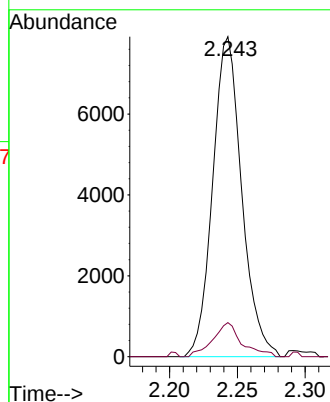
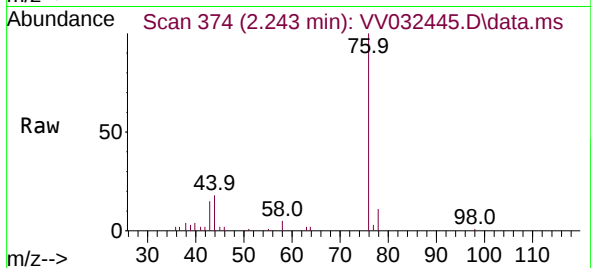




#14
Carbon disulfide
Concen: 0.443 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.016 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

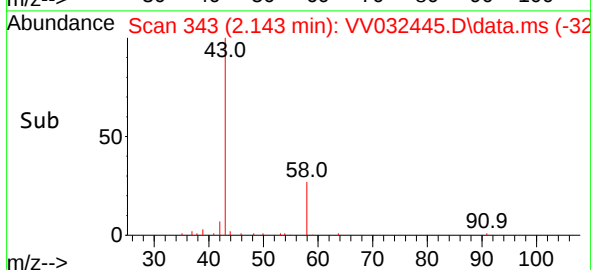
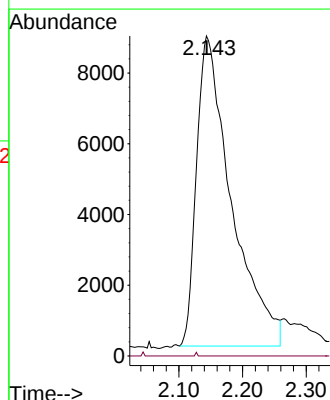
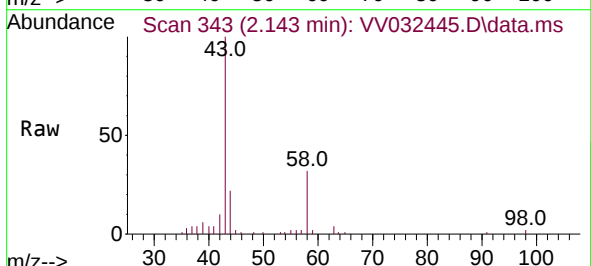
Instrument :
MSVOA_V
ClientSampleId :

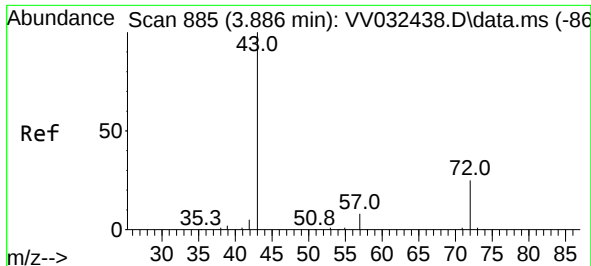
Tgt Ion: 76 Resp: 11770
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.2



#15
Methyl Acetate
Concen: 8.990 ug/L
RT: 2.143 min Scan# 343
Delta R.T. -0.238 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

Tgt Ion: 43 Resp: 33281
Ion Ratio Lower Upper
43 100
74 0.1 18.0 27.0#

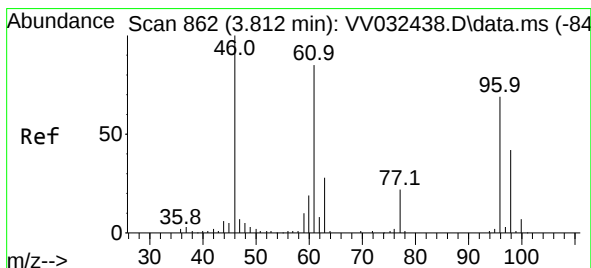
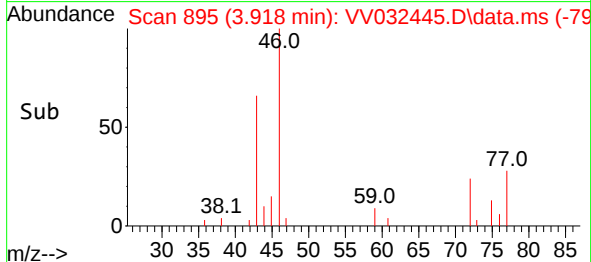
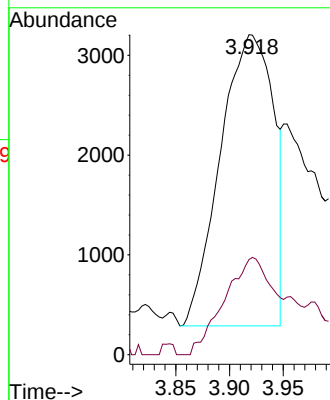
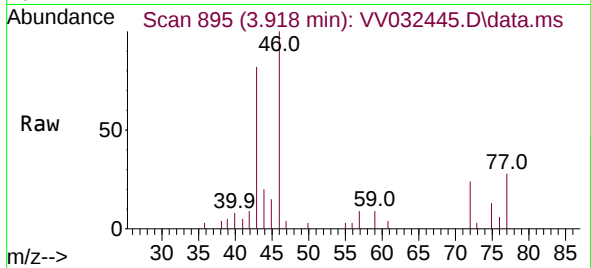




#21
2-Butanone
Concen: 3.894 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.032 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

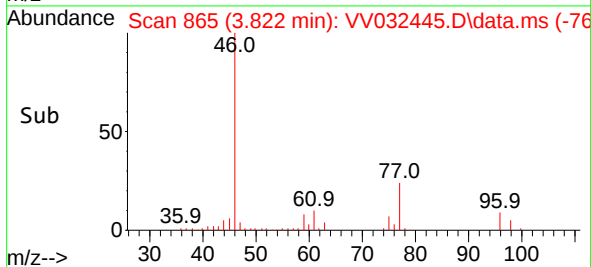
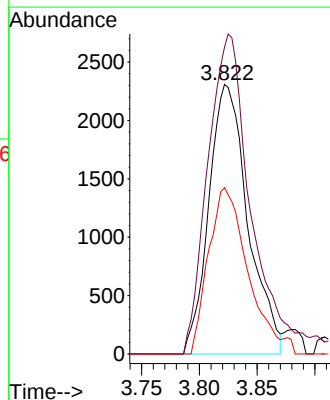
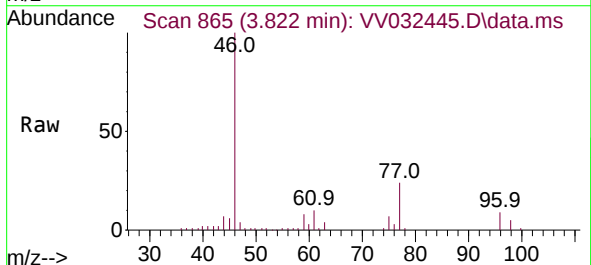
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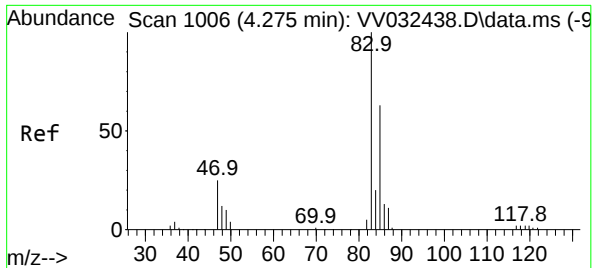
Tgt Ion: 43 Resp: 10014
Ion Ratio Lower Upper
43 100
72 31.0 11.6 34.8



#22
cis-1,2-Dichloroethene
Concen: 0.579 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.010 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

Tgt Ion: 96 Resp: 5433
Ion Ratio Lower Upper
96 100
61 113.9 85.8 159.4
98 61.7 44.0 81.6

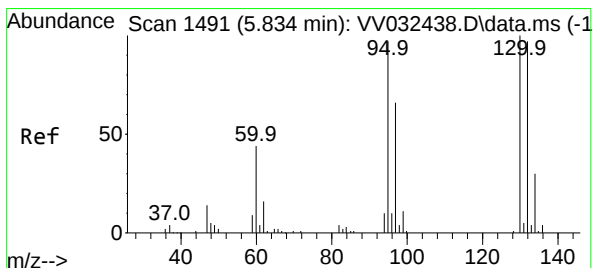
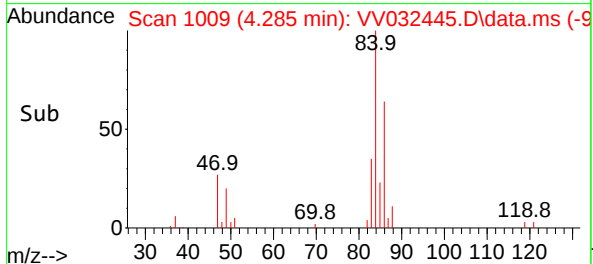
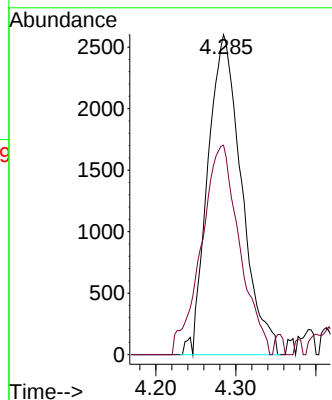
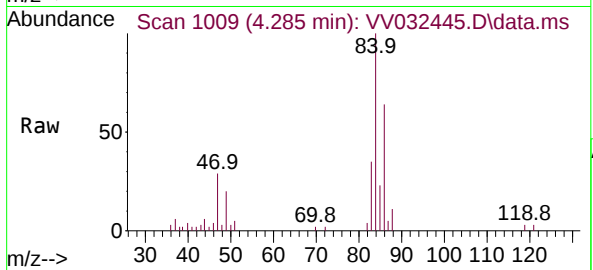




#25
Chloroform
Concen: 0.473 ug/L
RT: 4.285 min Scan# 1006
Delta R.T. 0.010 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

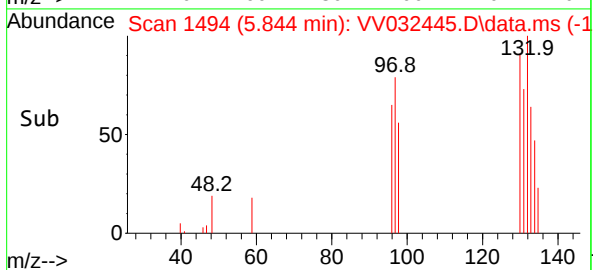
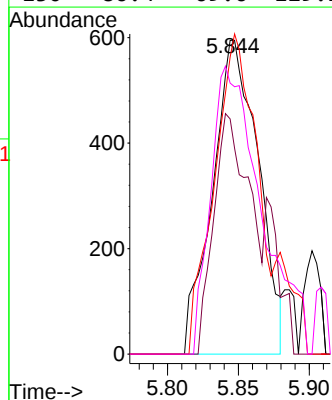
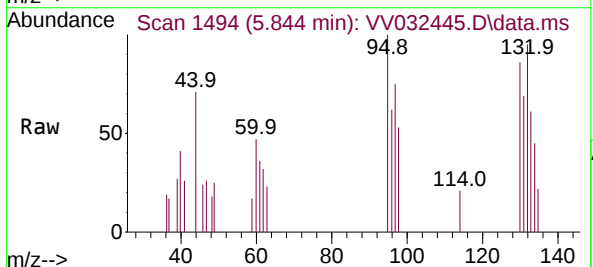
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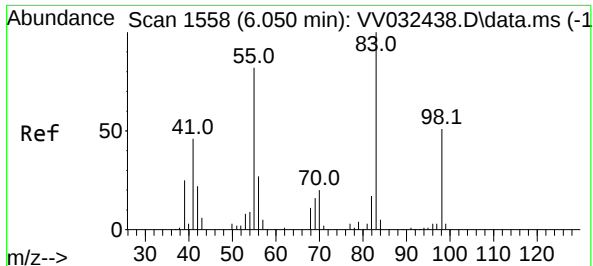
Tgt Ion: 83 Resp: 7607
Ion Ratio Lower Upper
83 100
85 65.4 45.4 84.4



#34
Trichloroethene
Concen: 0.120 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.010 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

Tgt Ion: 95 Resp: 1340
Ion Ratio Lower Upper
95 100
97 75.0 45.7 84.9
132 94.6 70.3 130.5
130 86.4 69.6 129.2





#35

Methylcyclohexane

Concen: 0.113 ug/L

RT: 6.053 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032445.D

Acq: 17 Oct 2023 15:05

Instrument :

MSVOA_V

ClientSampleId :

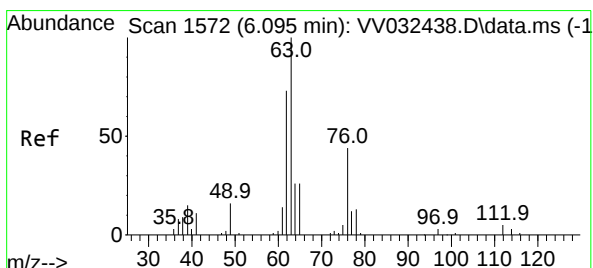
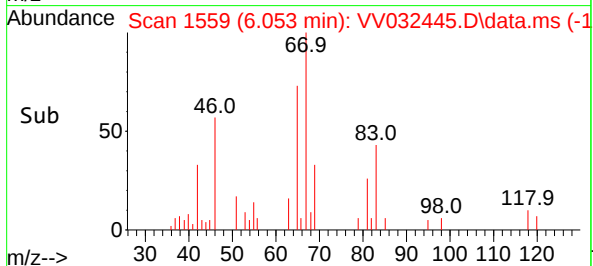
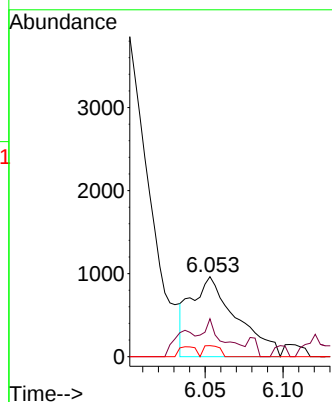
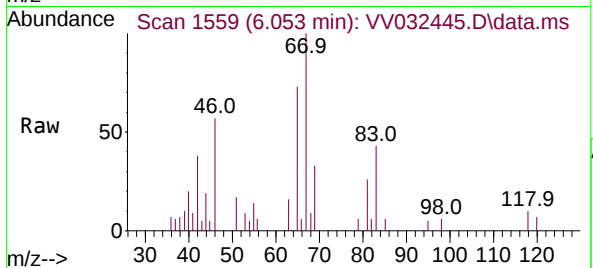
Tgt Ion: 83 Resp: 1951

Ion Ratio Lower Upper

83 100

55 22.1 64.2 96.2#

98 4.9 39.6 59.4#



#37

1,2-Dichloropropane

Concen: 0.067 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.038 min

Lab File: VV032445.D

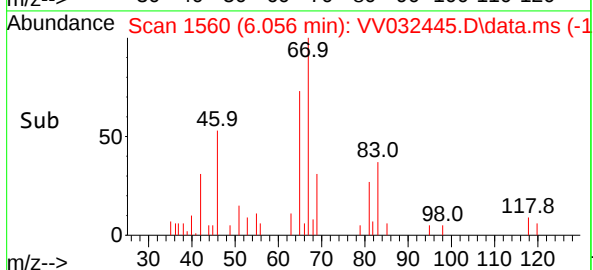
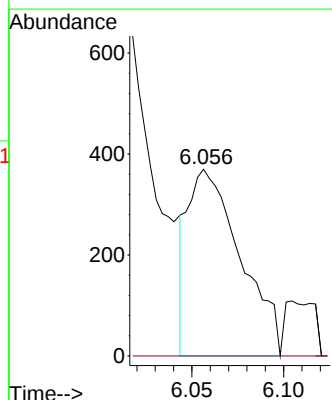
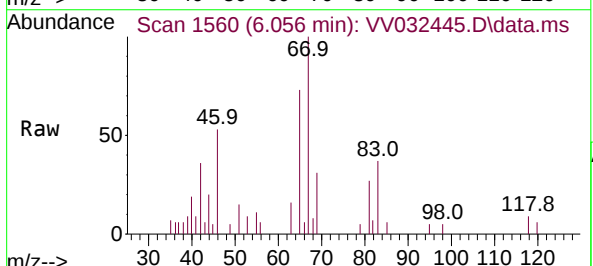
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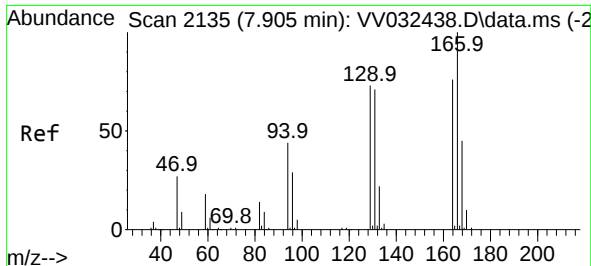
Tgt Ion: 63 Resp: 738

Ion Ratio Lower Upper

63 100

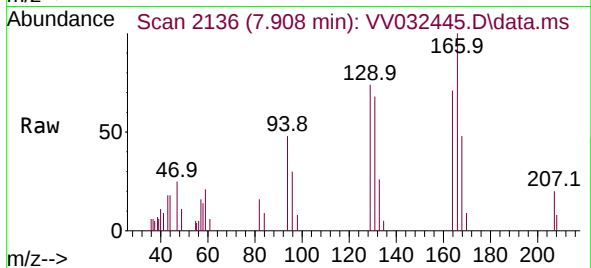
112 0.0 3.4 5.2#



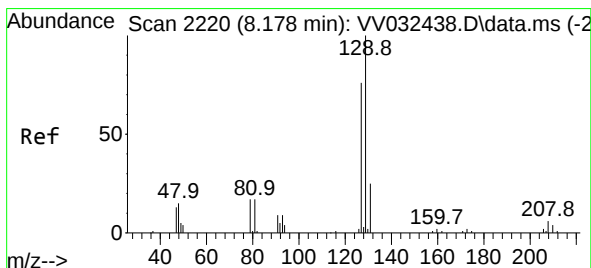
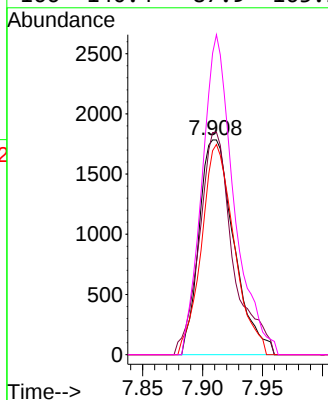
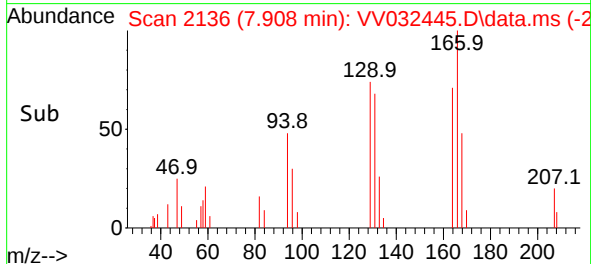


#47
Tetrachloroethene
Concen: 0.425 ug/L
RT: 7.908 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

Instrument :
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ClientSampleId :

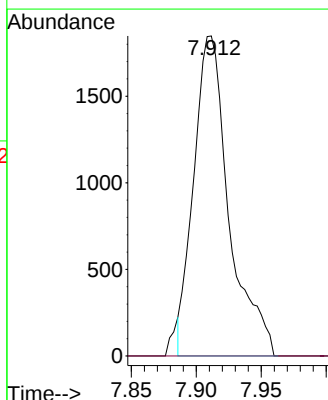
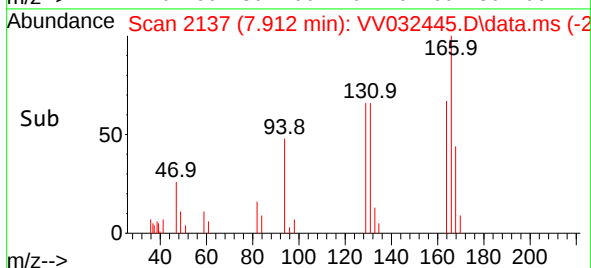
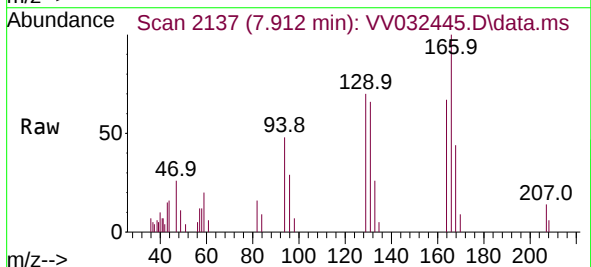


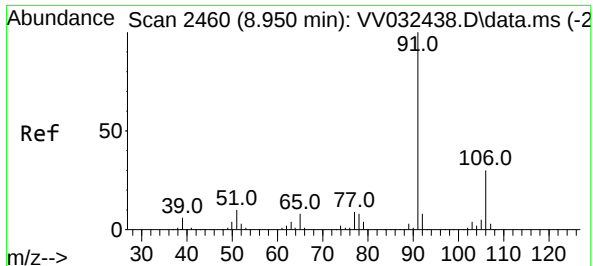
Tgt Ion:	164	Resp:	3608
Ion	Ratio	Lower	Upper
164	100		
129	103.4	66.4	123.4
131	95.0	63.7	118.3
166	140.4	87.9	163.3



#49
Dibromochloromethane
Concen: 0.434 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. -0.267 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

Tgt Ion:	129	Resp:	3498
Ion	Ratio	Lower	Upper
129	100		
127	0.0	57.2	106.2#





#52

Ethylbenzene

Concen: 0.069 ug/L

RT: 8.957 min Scan# 24

Delta R.T. 0.007 min

Lab File: VV032445.D

Acq: 17 Oct 2023 15:05

Instrument :

MSVOA_V

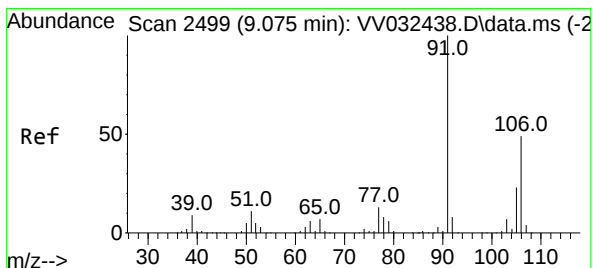
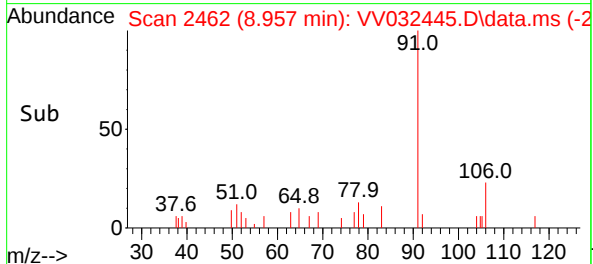
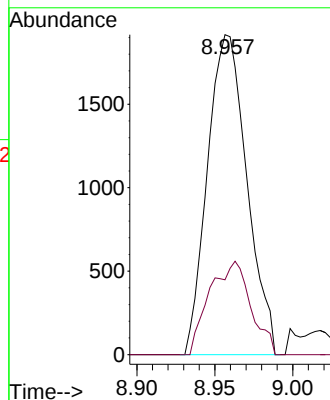
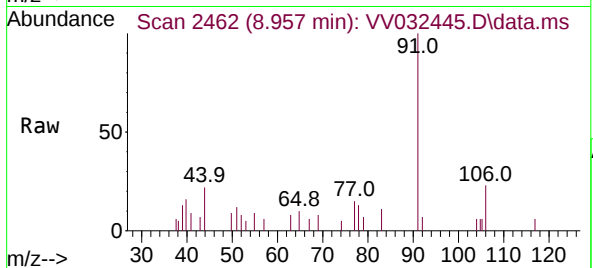
ClientSampleId :

Tgt Ion: 91 Resp: 3372

Ion Ratio Lower Upper

91 100

106 23.4 21.3 39.5



#53

m,p-Xylene

Concen: 0.245 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.007 min

Lab File: VV032445.D

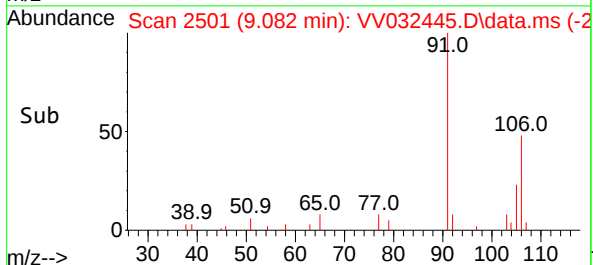
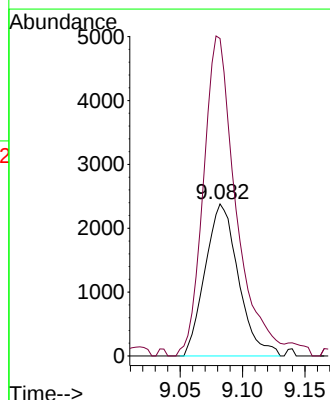
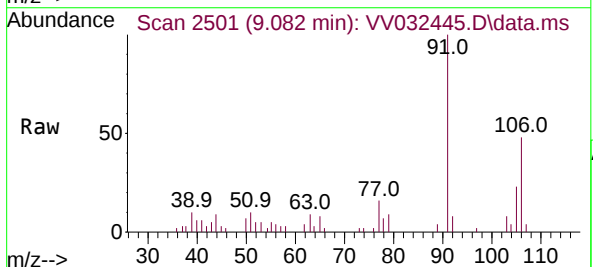
Acq: 17 Oct 2023 15:05

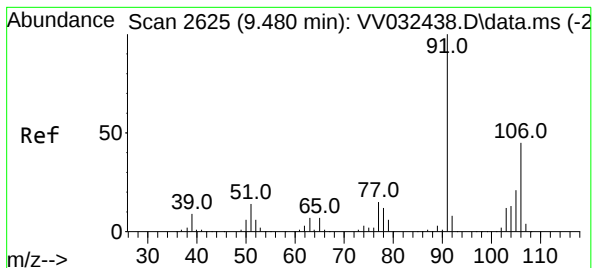
Tgt Ion:106 Resp: 4427

Ion Ratio Lower Upper

106 100

91 208.8 144.5 268.3





#54

o-Xylene

Concen: 0.094 ug/L

RT: 9.487 min Scan# 2

Delta R.T. 0.007 min

Lab File: VV032445.D

Acq: 17 Oct 2023 15:05

Instrument :

MSVOA_V

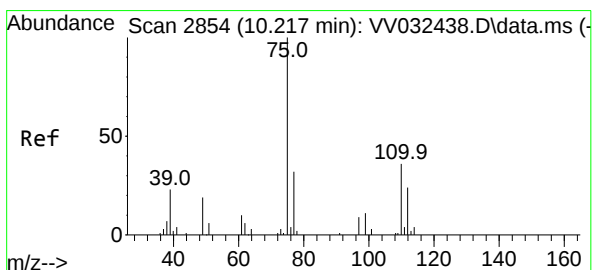
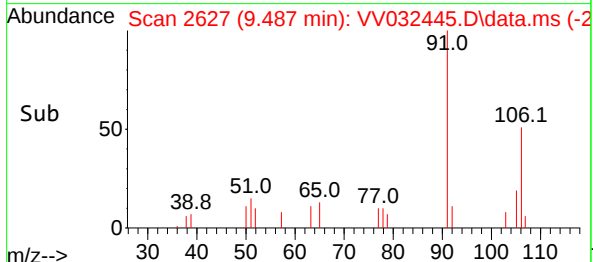
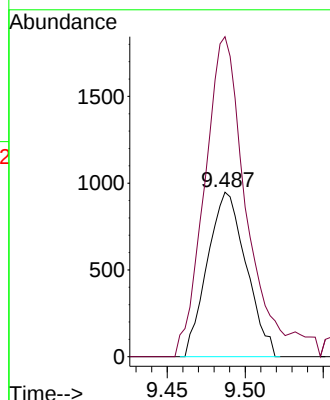
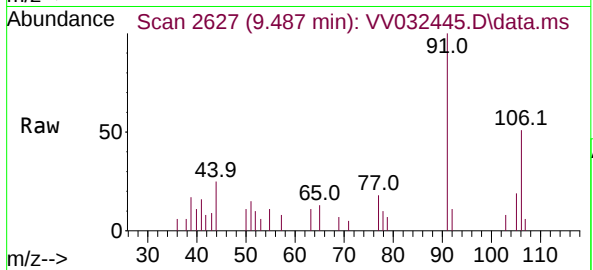
ClientSampleId :

Tgt Ion:106 Resp: 1637

Ion Ratio Lower Upper

106 100

91 194.5 154.8 287.4



#61

1,2,3-Trichloropropane

Concen: 1.196 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.974 min

Lab File: VV032445.D

Acq: 17 Oct 2023 15:05

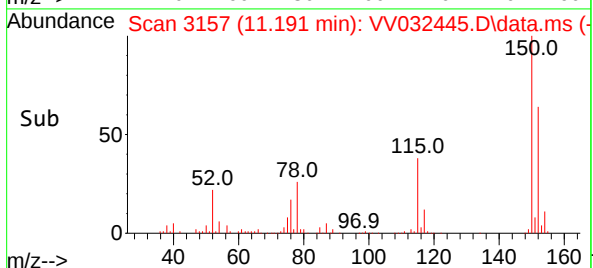
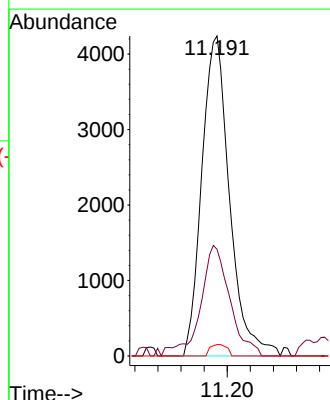
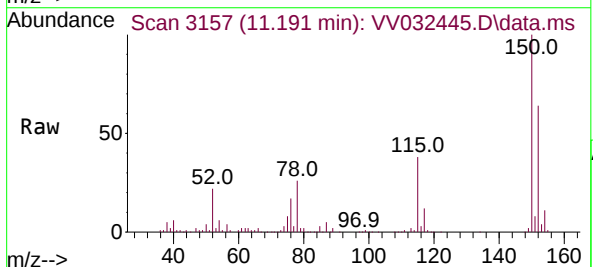
Tgt Ion: 75 Resp: 7071

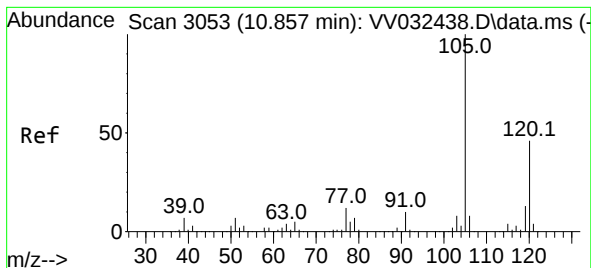
Ion Ratio Lower Upper

75 100

77 36.8 26.2 39.2

110 2.1 30.6 46.0#





#63

1,2,4-Trimethylbenzene

Concen: 0.309 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV032445.D

Acq: 17 Oct 2023 15:05

Instrument :

MSVOA_V

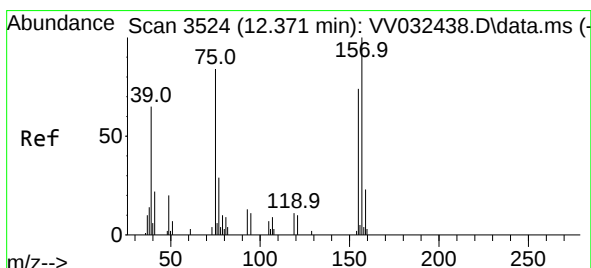
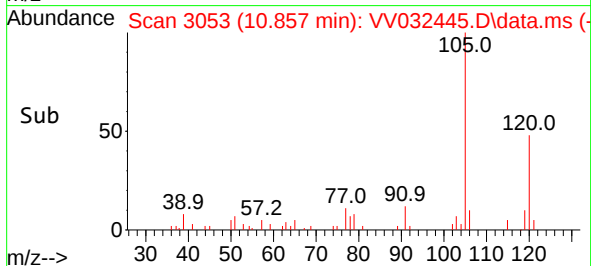
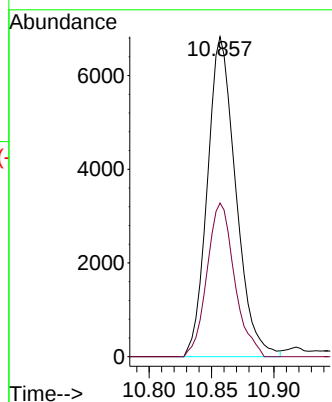
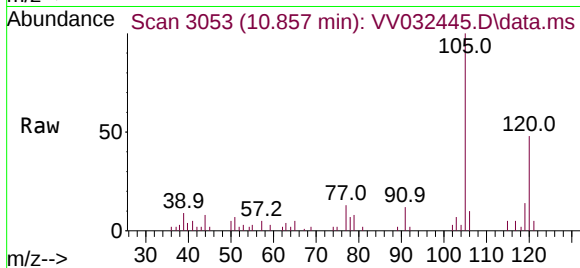
ClientSampleId :

Tgt Ion:105 Resp: 10833

Ion Ratio Lower Upper

105 100

120 46.4 36.2 54.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.332 ug/L

RT: 12.201 min Scan# 3471

Delta R.T. -0.170 min

Lab File: VV032445.D

Acq: 17 Oct 2023 15:05

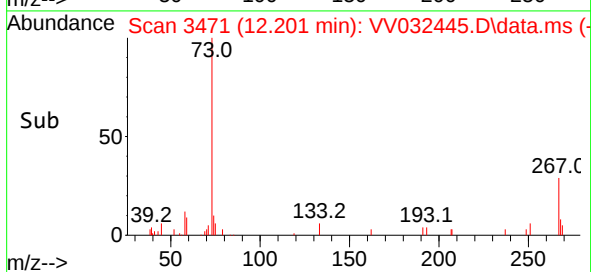
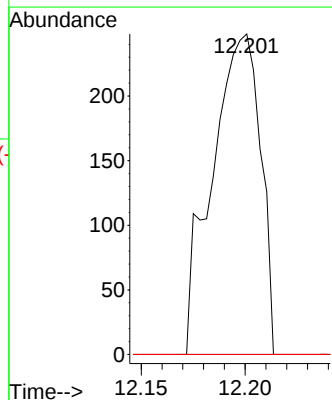
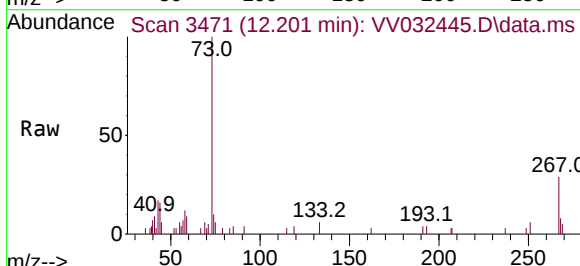
Tgt Ion: 75 Resp: 401

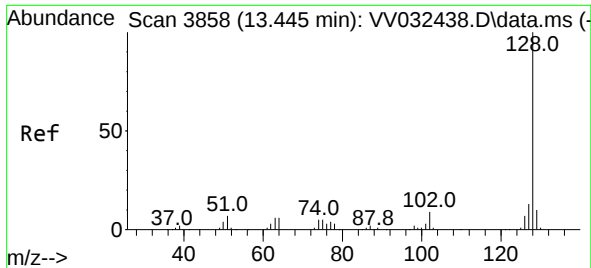
Ion Ratio Lower Upper

75 100

155 0.0 70.2 105.4#

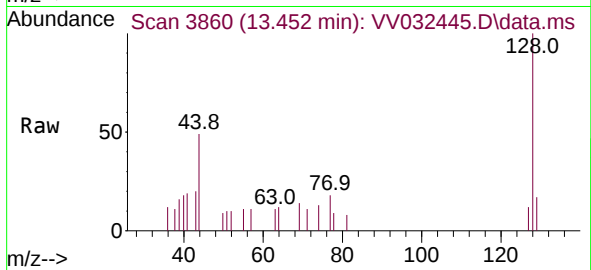
157 0.0 90.6 135.8#





#71
Naphthalene
Concen: 0.101 ug/L
RT: 13.452 min Scan# 3860
Delta R.T. 0.007 min
Lab File: VV032445.D
Acq: 17 Oct 2023 15:05

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 2298
Ion Ratio Lower Upper
128 100
129 17.6 9.0 13.4#
127 5.1 10.2 15.2#

