

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032744.D
 Acq On : 28 Oct 2023 16:05
 Operator : SY/MD
 Sample : 05019-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 01:54:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 30 01:47:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	134819	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	152239	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	65586	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	72118	6.513	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 130.200%#	
7) Chloroethane-d5	1.532	69	75335	8.006	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 160.200%#	
11) 1,1-Dichloroethene-d2	2.059	65	31609	6.360	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 127.200%#	
20) 2-Butanone-d5	3.796	46	163183	68.248	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	= 136.500%#	
24) Chloroform-d	4.252	84	137083	7.456	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 149.200%#	
26) 1,2-Dichloroethane-d4	4.947	65	68819	7.582	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 151.600%#	
32) Benzene-d6	4.963	84	278164	7.674	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 153.400%#	
36) 1,2-Dichloropropane-d6	5.992	67	83191	7.926	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 158.600%#	
41) Toluene-d8	7.246	98	258054	7.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 140.400%#	
43) trans-1,3-Dichloroprop...	7.558	79	32249	6.963	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 139.200%#	
46) 2-Hexanone-d5	8.027	63	132419	72.144	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 144.280%#	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	69998	7.500	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 150.000%#	
66) 1,2-Dichlorobenzene-d4	11.564	152	92530	8.640	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 172.800%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.085	85	3148	0.227	ug/L	96
3) Chloromethane	1.217	50	2170	0.133	ug/L #	79
5) Vinyl chloride	1.281	62	21916	1.353	ug/L	97
8) Chloroethane	1.551	64	2188	0.206	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	10433	0.811	ug/L	90
12) 1,1-Dichloroethene	2.066	96	2929	0.243	ug/L #	1
13) Acetone	2.130	43	4715	1.998	ug/L	68
19) 1,1-Dichloroethane	3.114	63	25389	1.202	ug/L	94
21) 2-Butanone	3.821	43	9744	3.122	ug/L	81
22) cis-1,2-Dichloroethene	3.815	96	152976	12.663	ug/L	99
29) 1,1,1-Trichloroethane	4.516	97	116375	5.926	ug/L	98
31) Carbon tetrachloride	4.519	117	14843	0.869	ug/L	99
34) Trichloroethene	5.841	95	5804	0.453	ug/L	95
35) Methylcyclohexane	6.066	83	2588	0.135	ug/L #	25
37) 1,2-Dichloropropane	6.056	63	1117	0.096	ug/L #	82
42) Toluene	7.320	91	68271	1.225	ug/L	99
47) Tetrachloroethene	7.918	164	1738	0.153	ug/L	82
52) Ethylbenzene	8.960	91	3077	0.052	ug/L	90
53) m,p-Xylene	9.085	106	2389	0.108	ug/L	68

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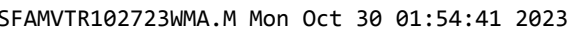
Instrument :
MSVOA_V
ClientSampleId :

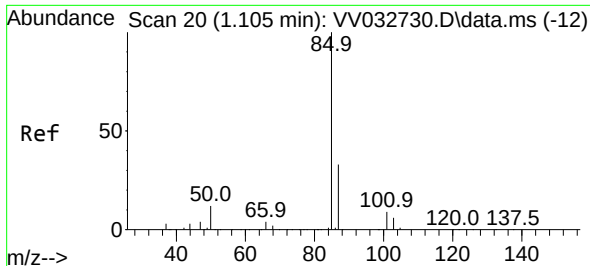
Quant Time: Oct 30 01:54:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Oct 30 01:47:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.484	106	1320	0.061	ug/L	65
61) 1,2,3-Trichloropropane	11.188	75	8249	1.189	ug/L #	57

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

Quant Time: Oct 30 01:54:25 2023
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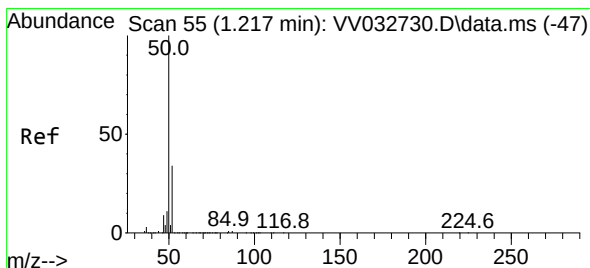
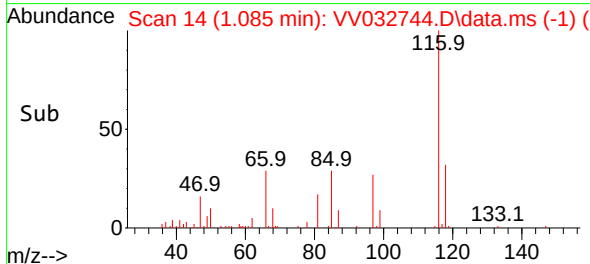
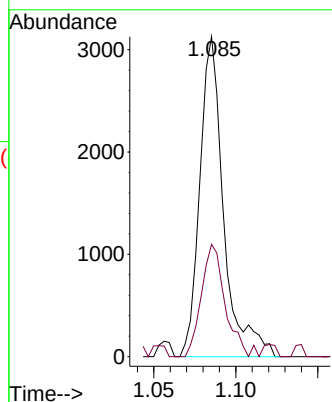
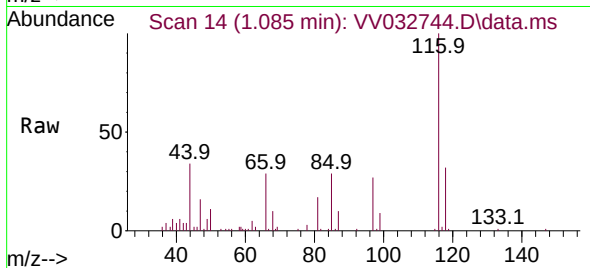




#2
 Dichlorodifluoromethane
 Concen: 0.227 ug/L
 RT: 1.085 min Scan# 14
 Delta R.T. -0.020 min
 Lab File: VV032744.D
 Acq: 28 Oct 2023 16:05

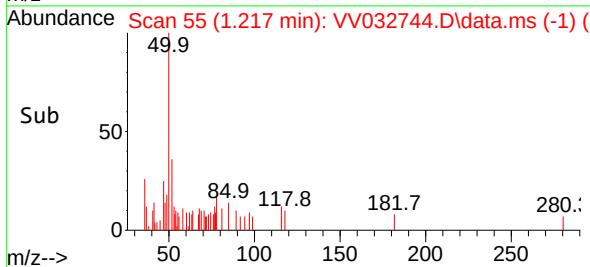
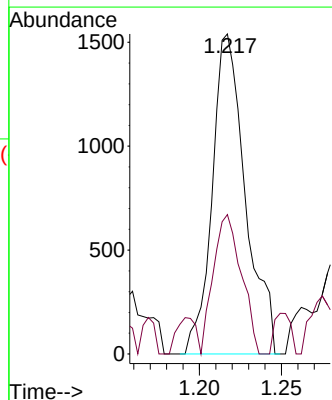
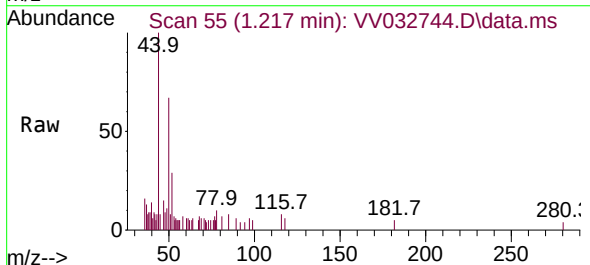
Instrument :
 MSVOA_V
 ClientSampleId :

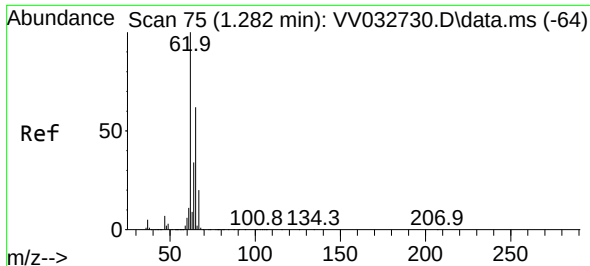
Tgt Ion: 85 Resp: 3148
 Ion Ratio Lower Upper
 85 100
 87 34.5 25.9 38.9



#3
 Chloromethane
 Concen: 0.133 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV032744.D
 Acq: 28 Oct 2023 16:05

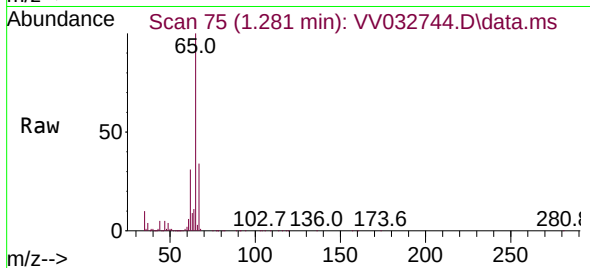
Tgt Ion: 50 Resp: 2170
 Ion Ratio Lower Upper
 50 100
 52 43.6 22.3 41.5#



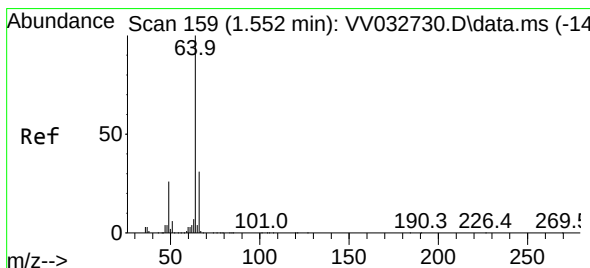
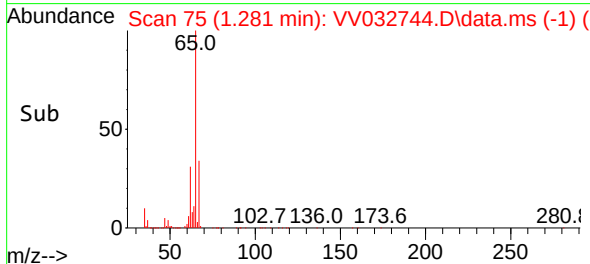
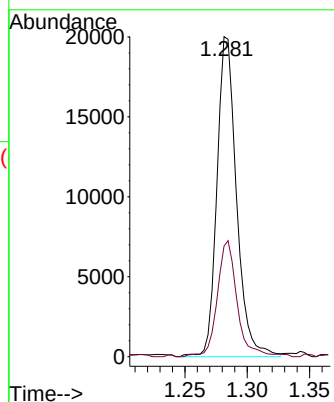


#5
 Vinyl chloride
 Concen: 1.353 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032744.D
 Acq: 28 Oct 2023 16:05

Instrument :
 MSVOA_V
 ClientSampleId :

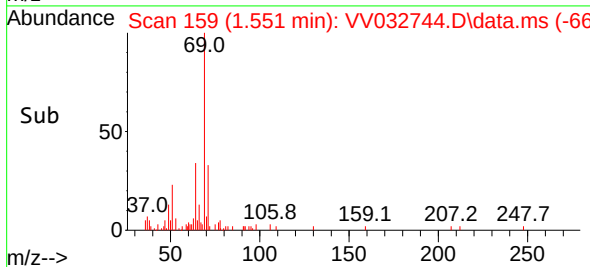
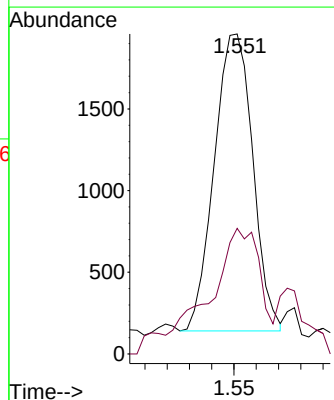
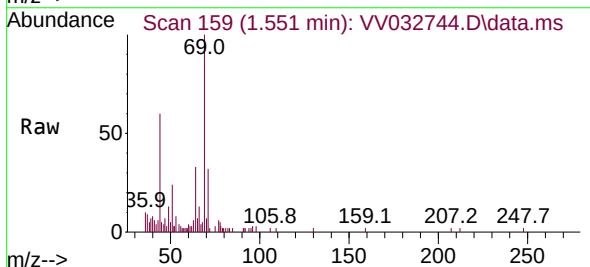


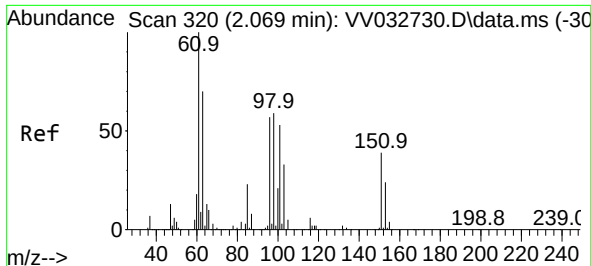
Tgt Ion: 62 Resp: 21916
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.2 43.0



#8
 Chloroethane
 Concen: 0.206 ug/L
 RT: 1.551 min Scan# 159
 Delta R.T. -0.000 min
 Lab File: VV032744.D
 Acq: 28 Oct 2023 16:05

Tgt Ion: 64 Resp: 2188
 Ion Ratio Lower Upper
 64 100
 66 39.3 22.3 41.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.811 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

Instrument :

MSVOA_V

ClientSampleId :

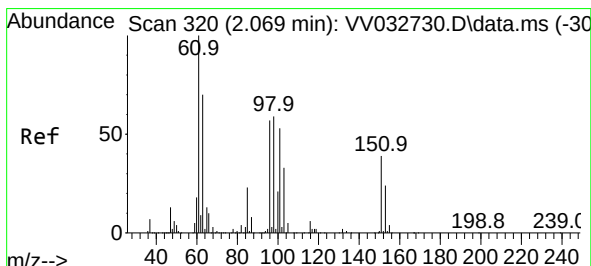
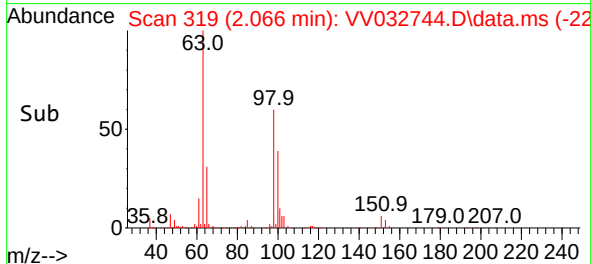
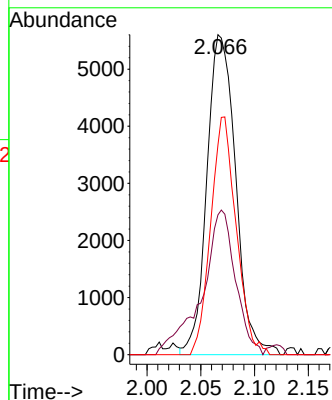
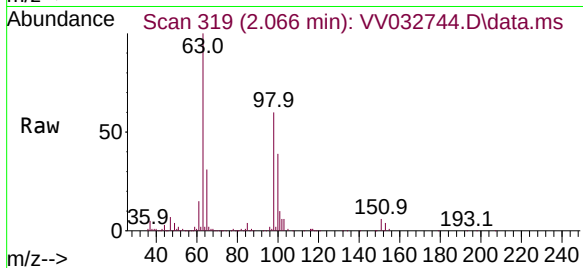
Tgt Ion:101 Resp: 10433

Ion Ratio Lower Upper

101 100

85 52.7 36.2 54.4

151 65.9 59.0 88.6



#12

1,1-Dichloroethene

Concen: 0.243 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

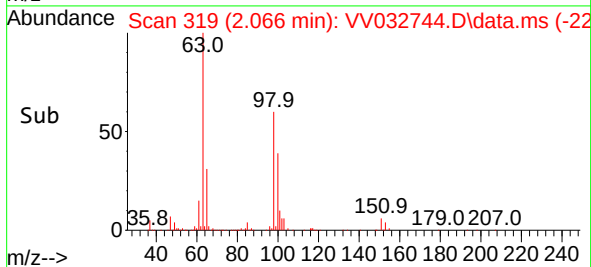
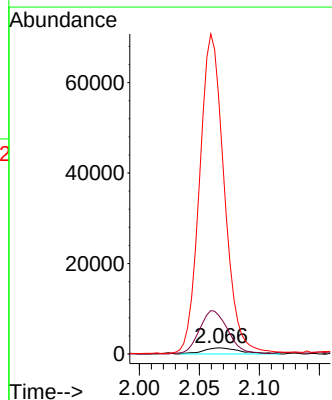
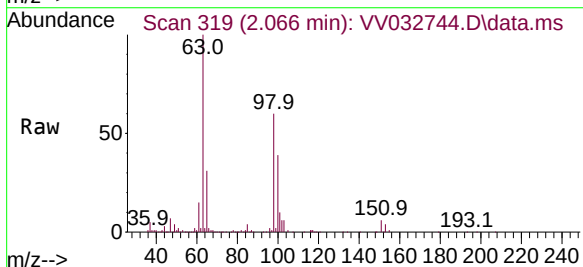
Tgt Ion: 96 Resp: 2929

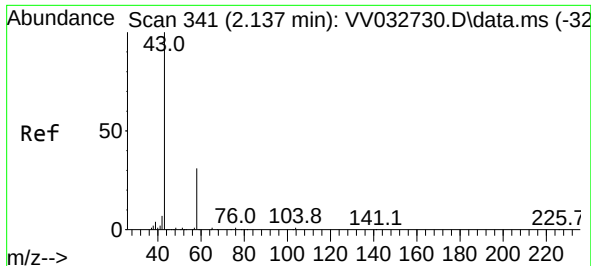
Ion Ratio Lower Upper

96 100

61 633.8 122.3 227.1#

63 4227.8 89.4 166.0#





#13

Acetone

Concen: 1.998 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.007 min

Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

Instrument :

MSVOA_V

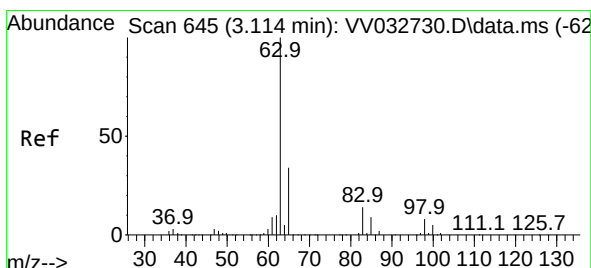
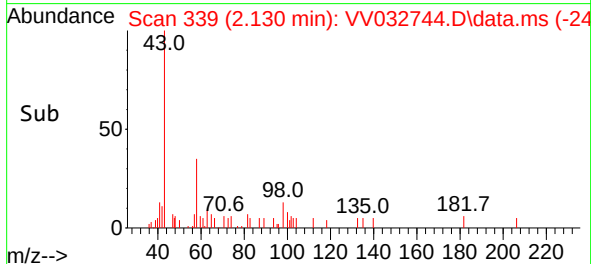
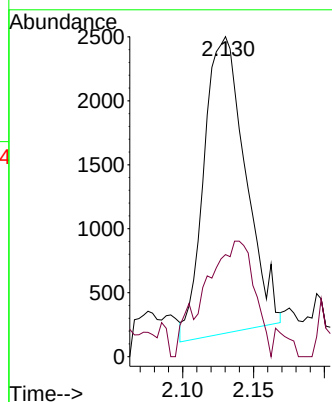
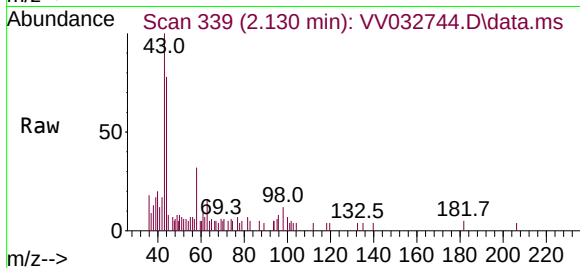
ClientSampleId :

Tgt Ion: 43 Resp: 4715

Ion Ratio Lower Upper

43 100

58 41.7 0.0 50.6



#19

1,1-Dichloroethane

Concen: 1.202 ug/L

RT: 3.114 min Scan# 645

Delta R.T. -0.000 min

Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

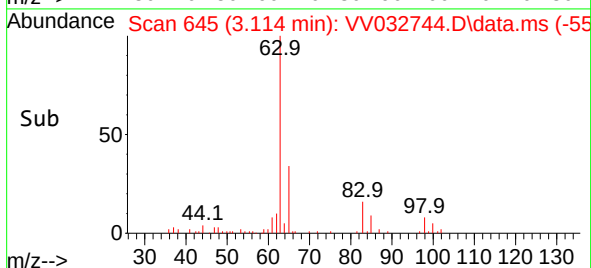
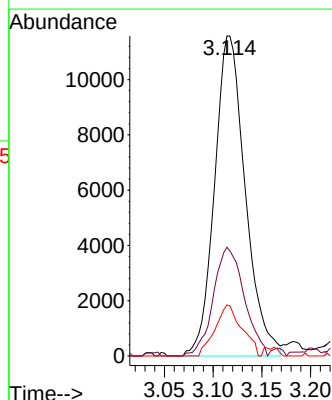
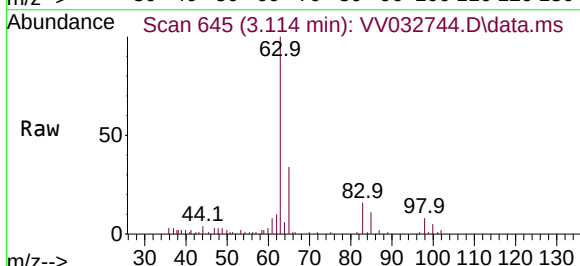
Tgt Ion: 63 Resp: 25389

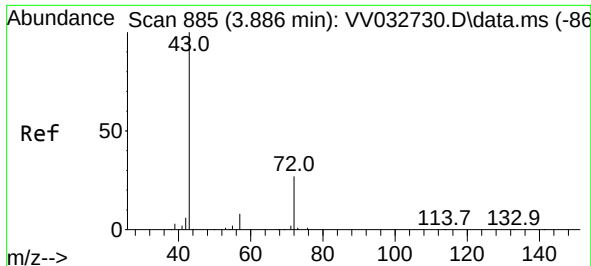
Ion Ratio Lower Upper

63 100

65 34.0 21.5 39.9

83 16.0 9.2 17.0

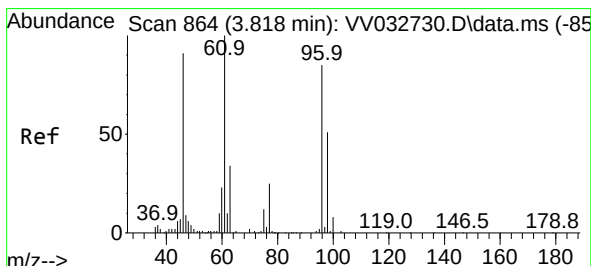
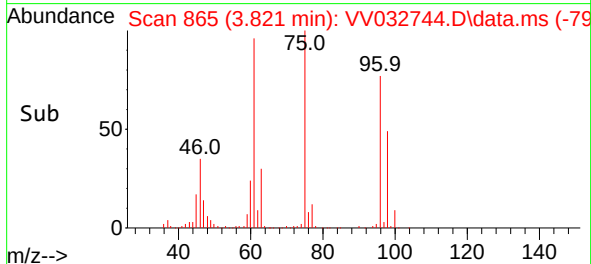
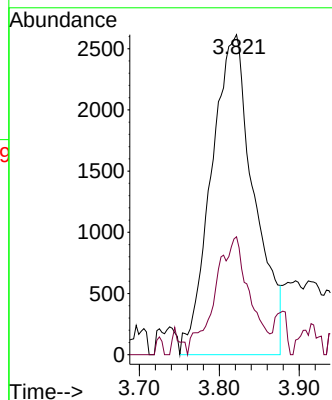
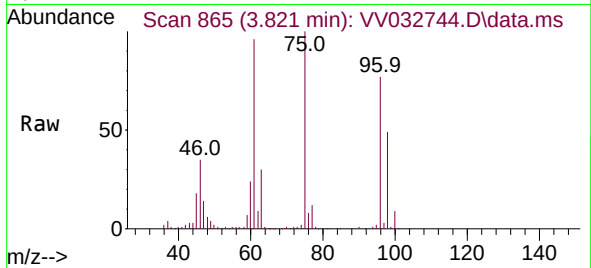




#21
2-Butanone
Concen: 3.122 ug/L
RT: 3.821 min Scan# 80
Delta R.T. -0.065 min
Lab File: VV032744.D
Acq: 28 Oct 2023 16:05

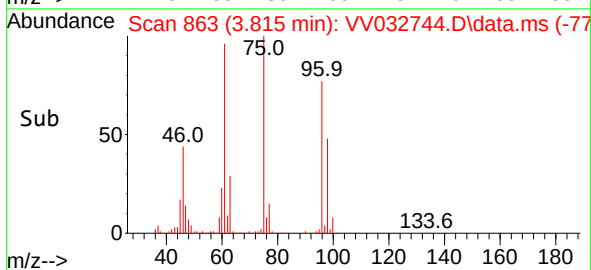
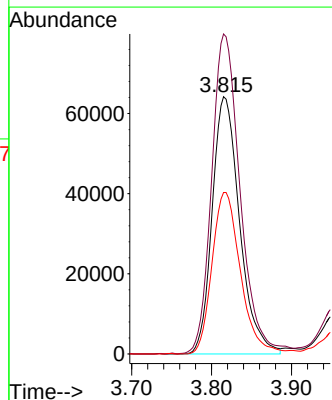
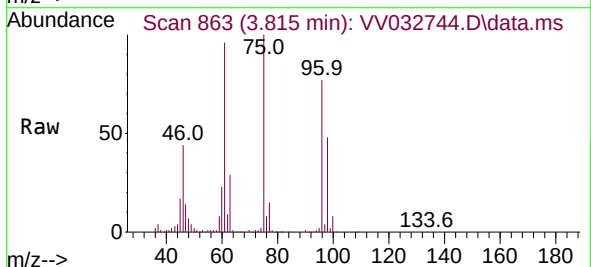
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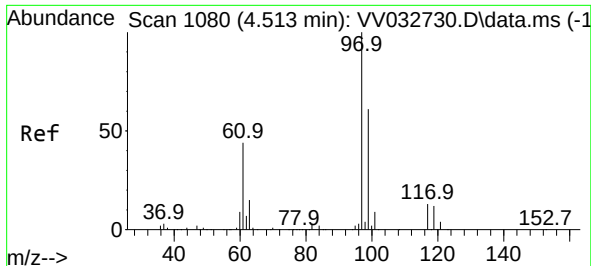
Tgt Ion: 43 Resp: 9744
Ion Ratio Lower Upper
43 100
72 29.8 10.4 31.2



#22
cis-1,2-Dichloroethene
Concen: 12.663 ug/L
RT: 3.815 min Scan# 863
Delta R.T. -0.003 min
Lab File: VV032744.D
Acq: 28 Oct 2023 16:05

Tgt Ion: 96 Resp: 152976
Ion Ratio Lower Upper
96 100
61 124.4 87.7 162.9
98 62.8 45.0 83.6





#29

1,1,1-Trichloroethane

Concen: 5.926 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

Instrument :

MSVOA_V

ClientSampleId :

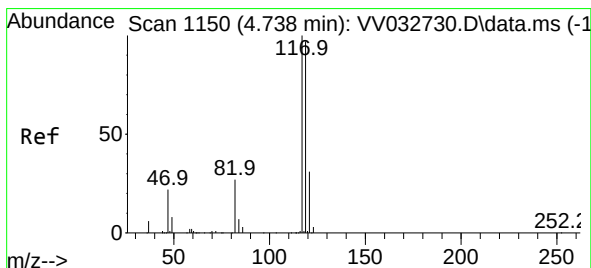
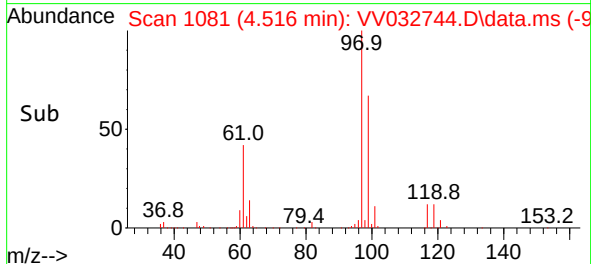
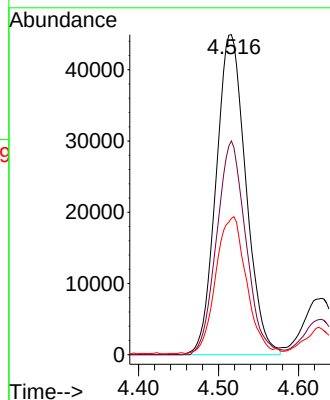
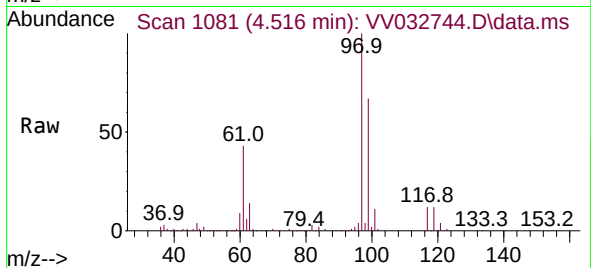
Tgt Ion: 97 Resp: 116375

Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.0

61 44.0 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.869 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.219 min

Lab File: VV032744.D

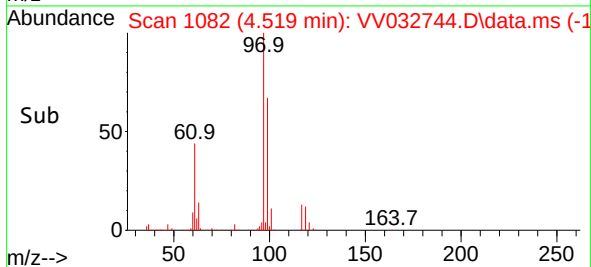
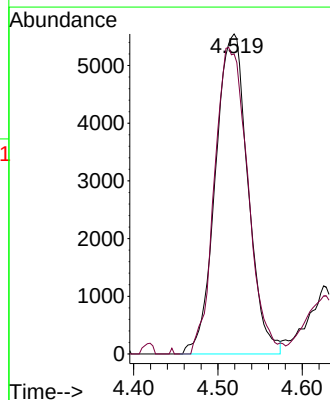
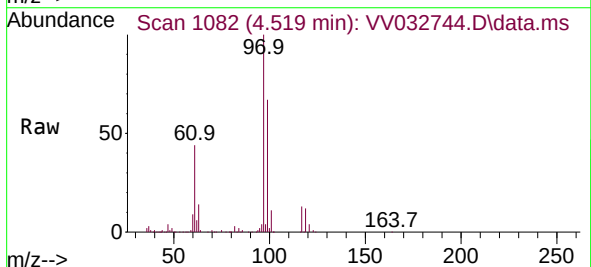
Acq: 28 Oct 2023 16:05

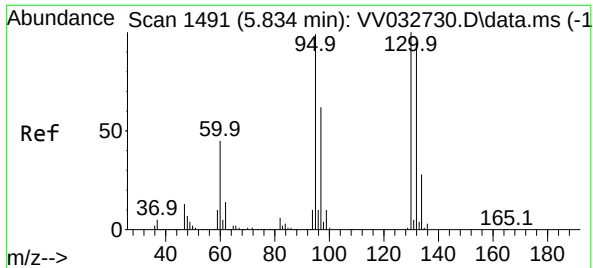
Tgt Ion: 117 Resp: 14843

Ion Ratio Lower Upper

117 100

119 98.5 77.8 116.6

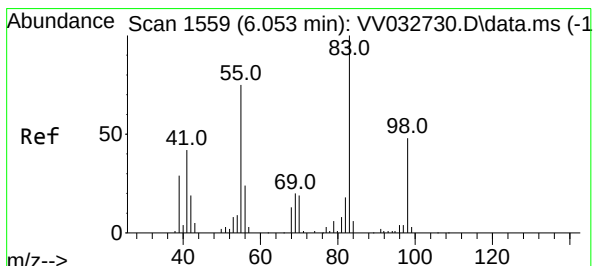
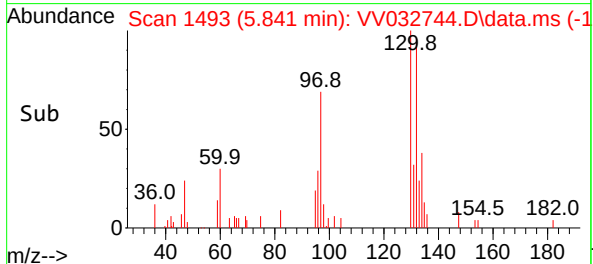
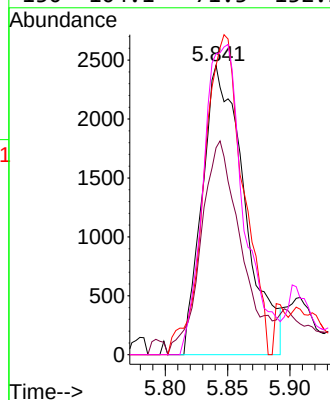
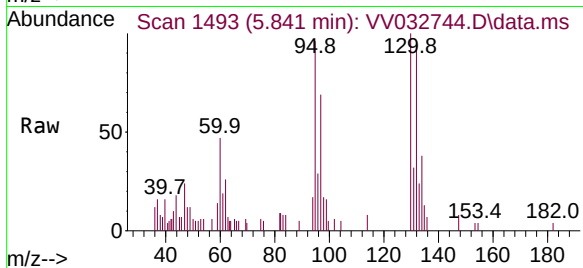




#34
Trichloroethene
Concen: 0.453 ug/L
RT: 5.841 min Scan# 1491
Delta R.T. 0.006 min
Lab File: VV032744.D
Acq: 28 Oct 2023 16:05

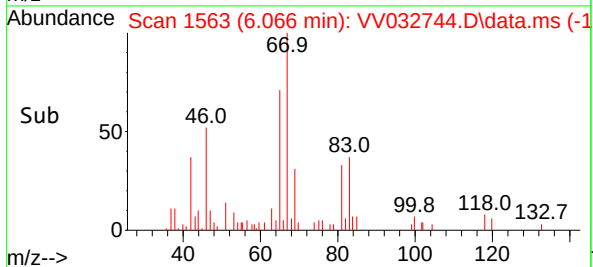
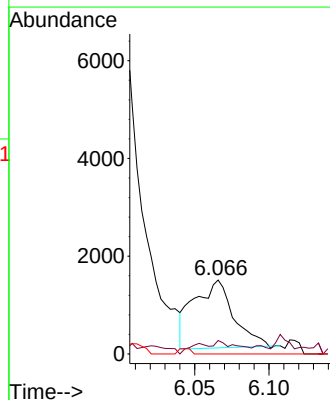
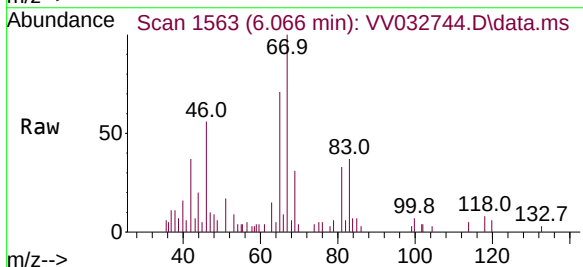
Instrument :
MSVOA_V
ClientSampleId :

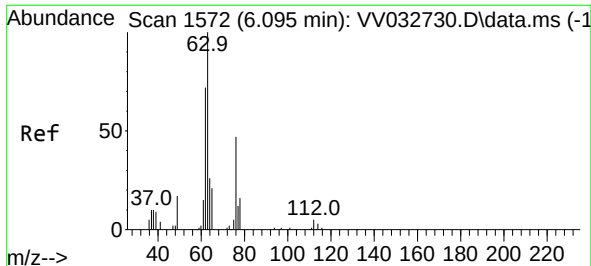
Tgt Ion:	95	Resp:	5804
Ion	Ratio	Lower	Upper
95	100		
97	71.5	44.0	81.8
132	99.9	66.9	124.3
130	104.1	71.3	132.3



#35
Methylcyclohexane
Concen: 0.135 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. 0.013 min
Lab File: VV032744.D
Acq: 28 Oct 2023 16:05

Tgt Ion:	83	Resp:	2588
Ion	Ratio	Lower	Upper
83	100		
55	9.3	59.6	89.4#
98	0.0	39.1	58.7#





#37

1,2-Dichloropropane

Concen: 0.096 ug/L

RT: 6.056 min Scan# 1117

Delta R.T. -0.039 min

Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

Instrument :

MSVOA_V

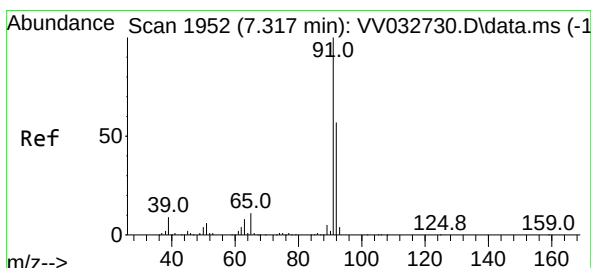
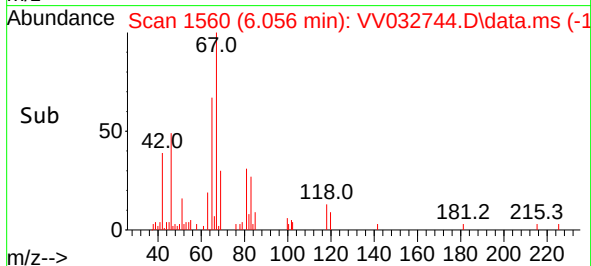
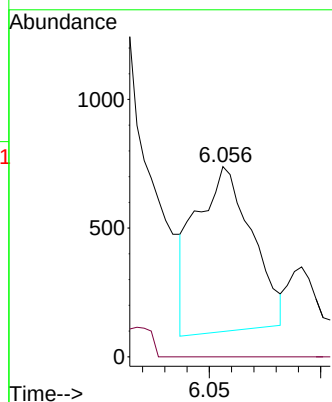
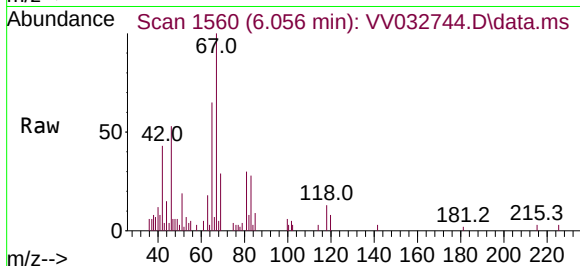
ClientSampleId :

Tgt Ion: 63 Resp: 1117

Ion Ratio Lower Upper

63 100

112 11.9 4.6 7.0#



#42

Toluene

Concen: 1.225 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV032744.D

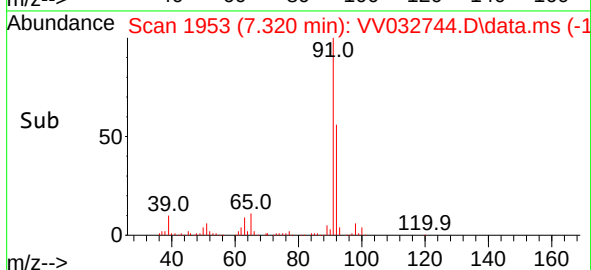
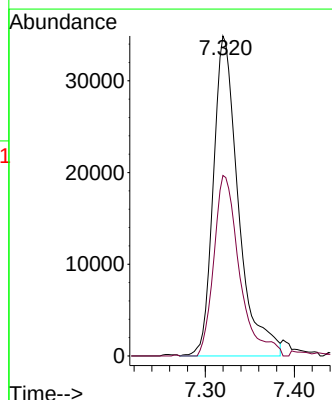
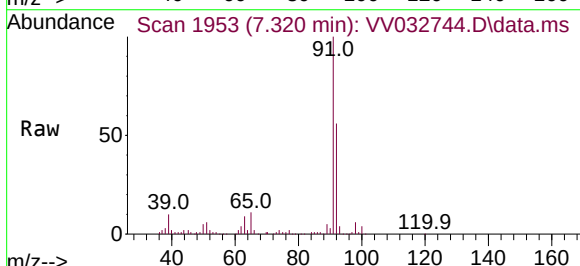
Acq: 28 Oct 2023 16:05

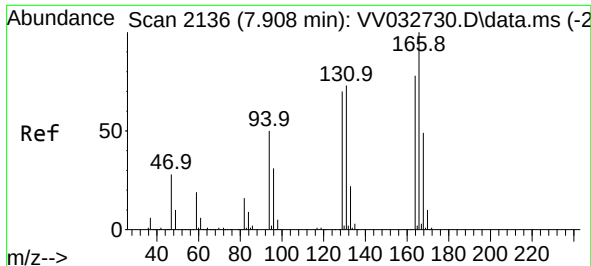
Tgt Ion: 91 Resp: 68271

Ion Ratio Lower Upper

91 100

92 56.4 39.9 74.1





#47

Tetrachloroethene

Concen: 0.153 ug/L

RT: 7.918 min Scan# 2136

Delta R.T. 0.009 min

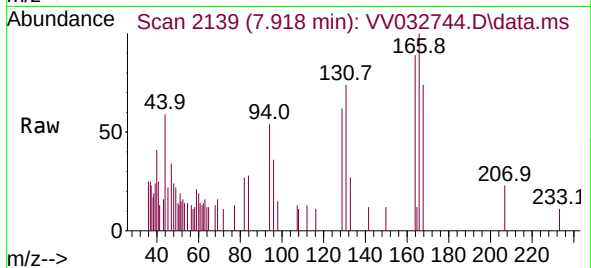
Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 1738

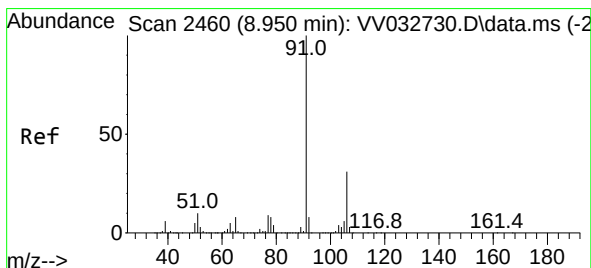
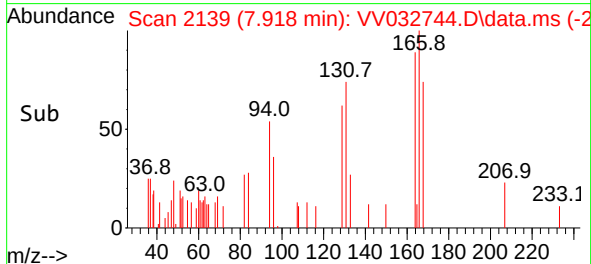
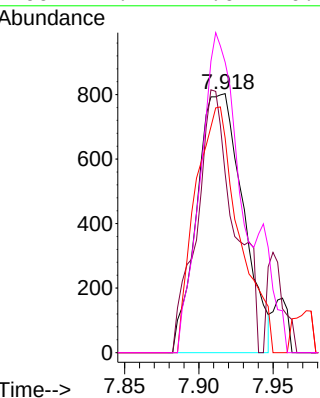
Ion Ratio Lower Upper

164 100

129 69.1 65.3 121.3

131 82.8 66.6 123.8

166 112.1 91.6 170.2



#52

Ethylbenzene

Concen: 0.052 ug/L

RT: 8.960 min Scan# 2463

Delta R.T. 0.009 min

Lab File: VV032744.D

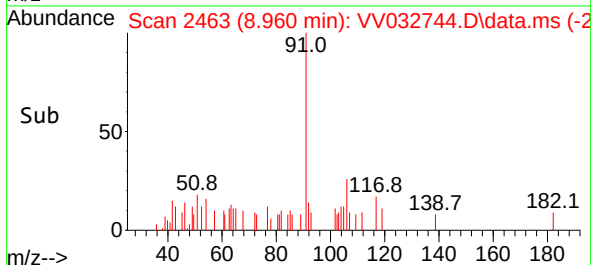
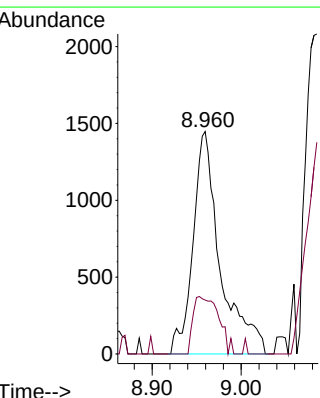
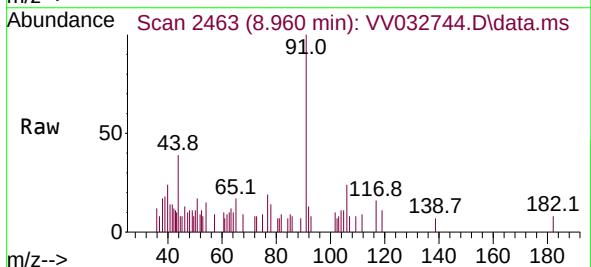
Acq: 28 Oct 2023 16:05

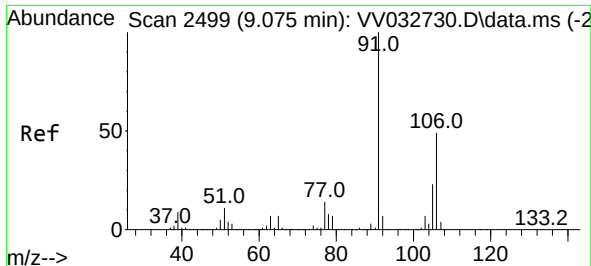
Tgt Ion: 91 Resp: 3077

Ion Ratio Lower Upper

91 100

106 24.3 20.9 38.9

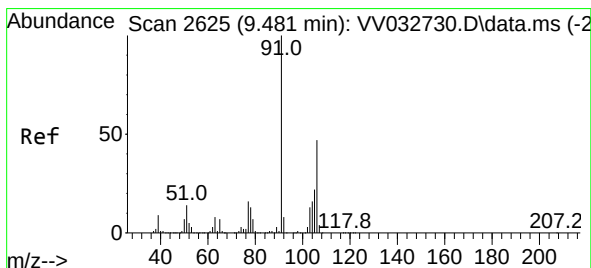
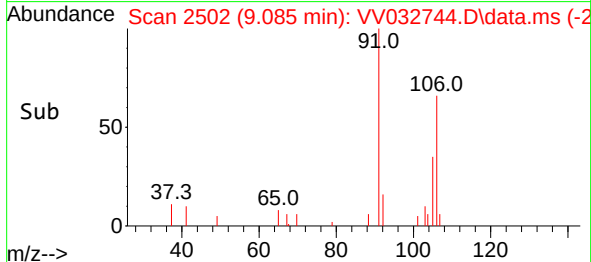
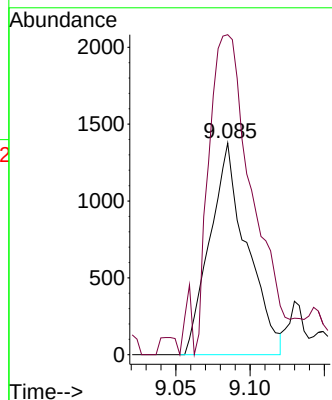
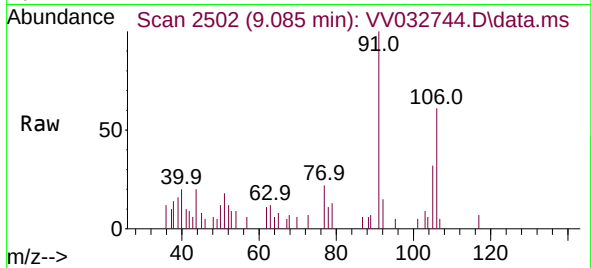




#53
m,p-Xylene
Concen: 0.108 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.009 min
Lab File: VV032744.D
Acq: 28 Oct 2023 16:05

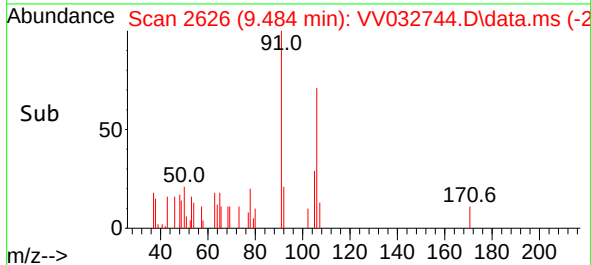
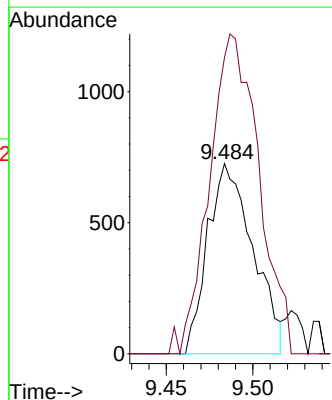
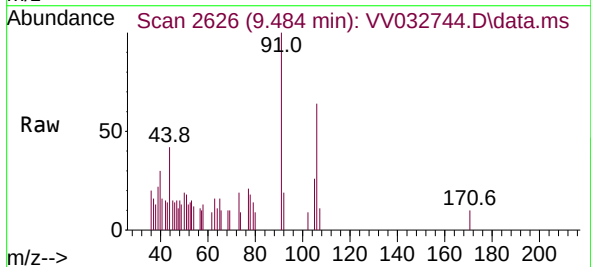
Instrument :
MSVOA_V
ClientSampleId :

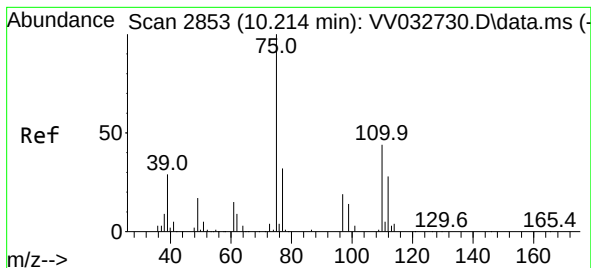
Tgt Ion:106 Resp: 2389
Ion Ratio Lower Upper
106 100
91 151.2 139.3 258.7



#54
o-Xylene
Concen: 0.061 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV032744.D
Acq: 28 Oct 2023 16:05

Tgt Ion:106 Resp: 1320
Ion Ratio Lower Upper
106 100
91 155.8 147.4 273.8





#61

1,2,3-Trichloropropane

Concen: 1.189 ug/L

RT: 11.188 min Scan# 31

Delta R.T. 0.974 min

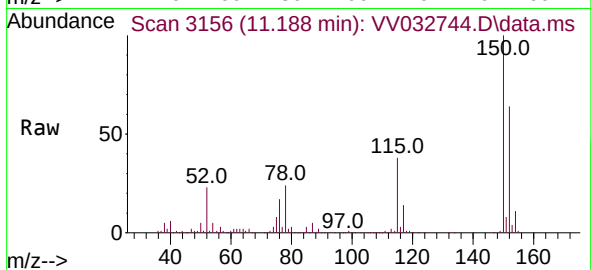
Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 8249

Ion Ratio Lower Upper

75 100

77 39.9 24.5 36.7#

110 1.6 32.3 48.5#

