

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102723\
 Data File : VV032744.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 :
 A49Q8

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)

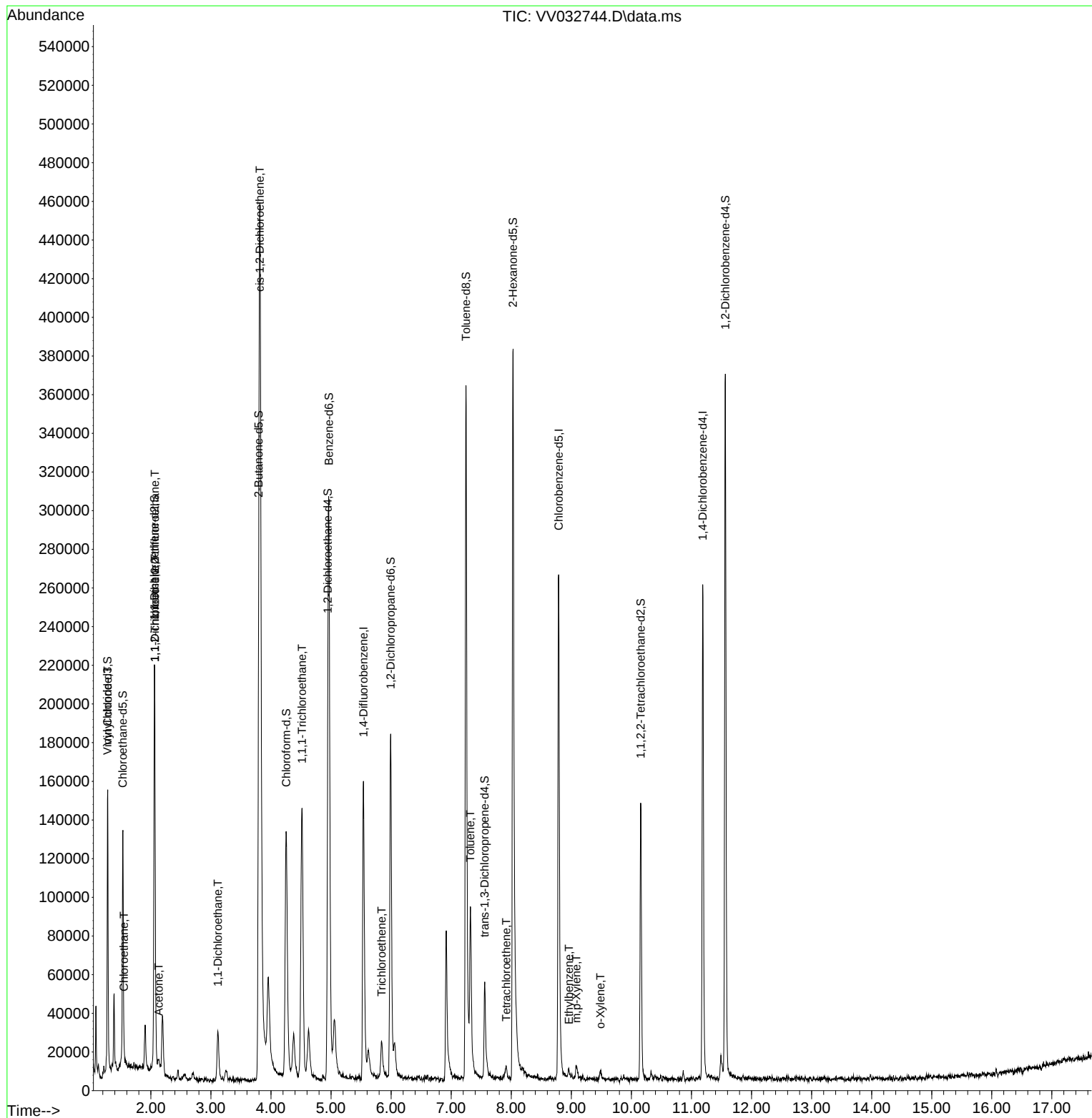
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	134819	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	152239	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	65586	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	72118	6.513	ug/L	0.00
Spiked Amount	5.000	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
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
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
34) Trichloroethene	5.841	95	5804	0.453	ug/L	95
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
54) o-Xylene	9.484	106	1320	0.061	ug/L	65

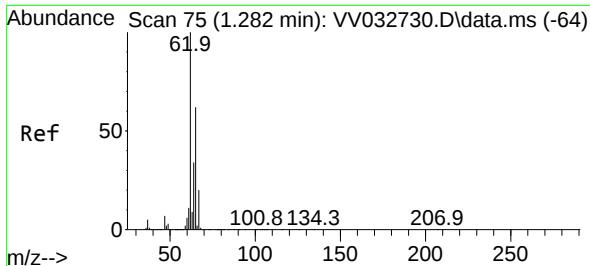
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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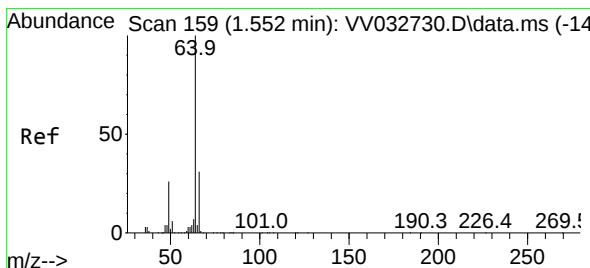
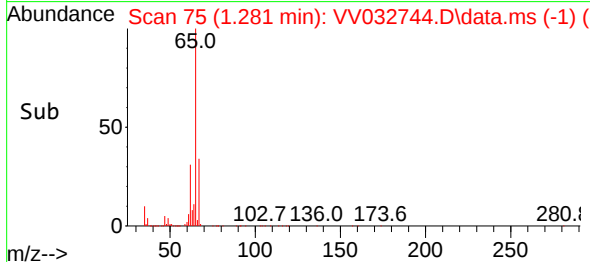
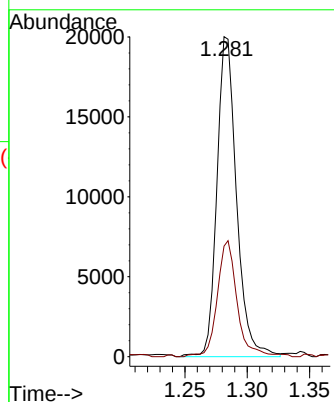
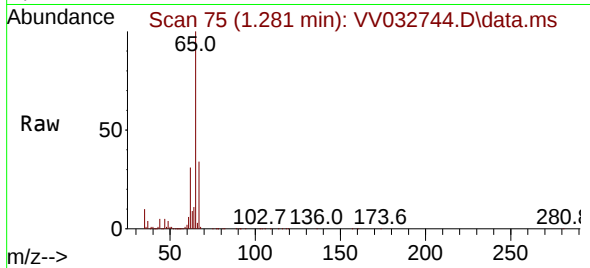




#5
 Vinyl chloride
 Concen: 1.353 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV032744.D
 Acq: 28 Oct 2023 16:05

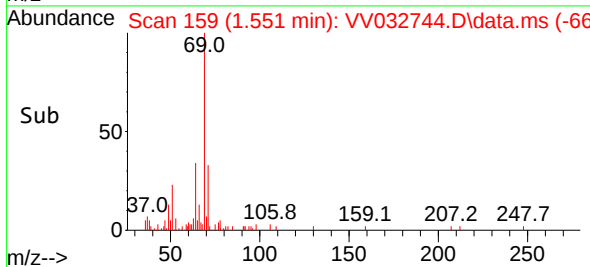
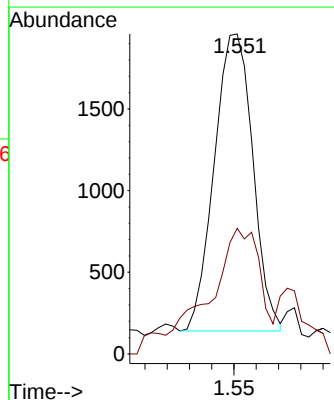
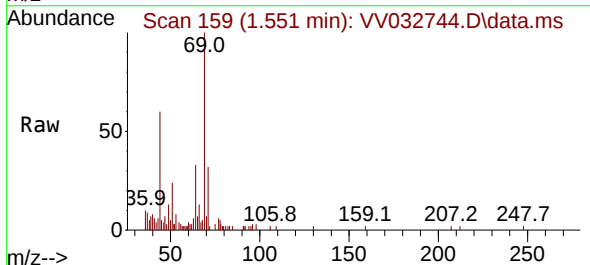
Instrument :
 MSVOA_V
 ClientSampleId :
 A49Q8

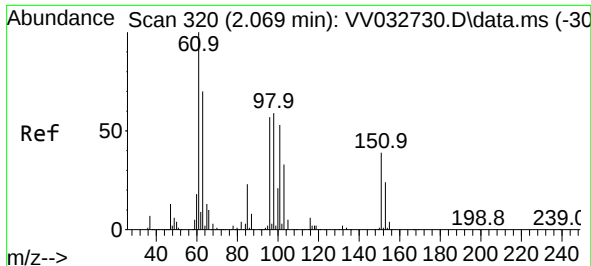
Tgt Ion: 62 Resp: 21916
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.2 43.0



#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 :

A49Q8

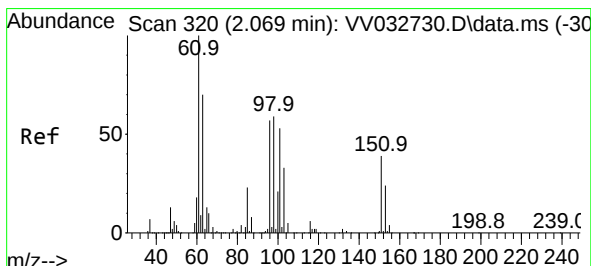
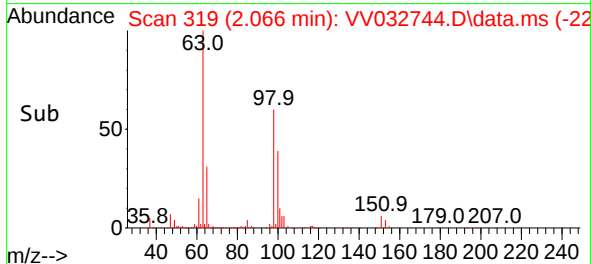
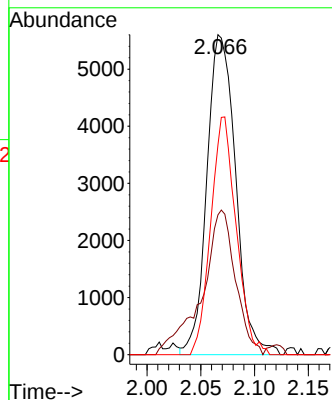
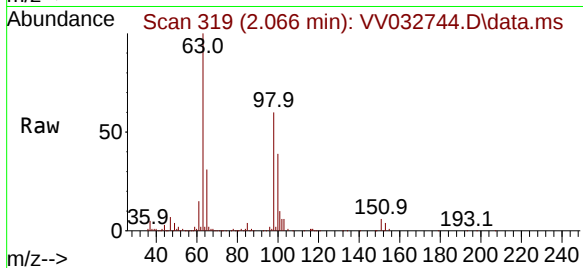
Tgt Ion:101 Resp: 10433

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

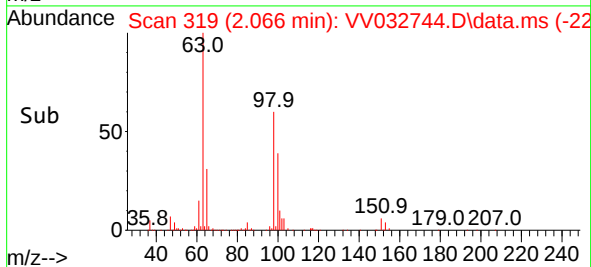
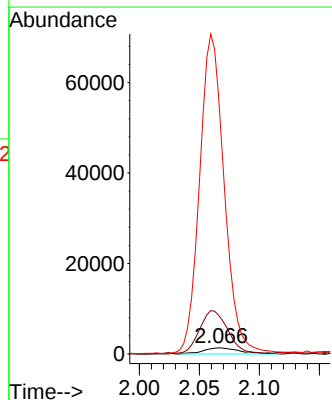
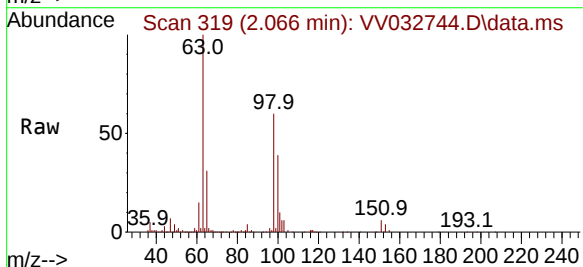
Tgt Ion: 96 Resp: 2929

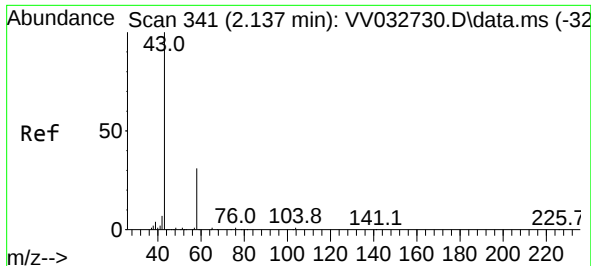
Ion Ratio Lower Upper

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 :

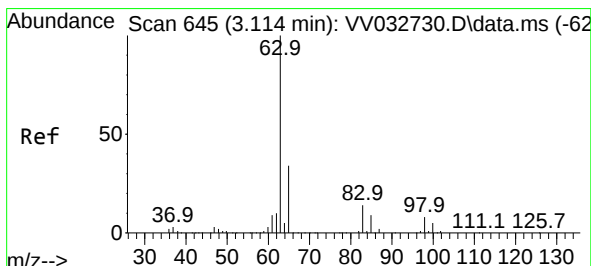
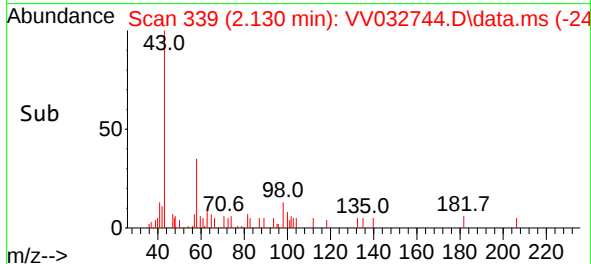
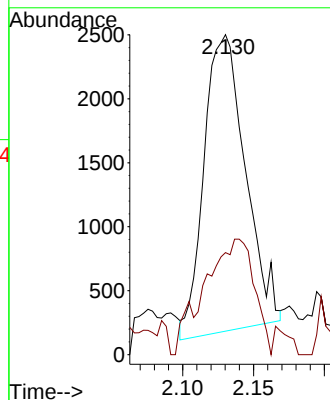
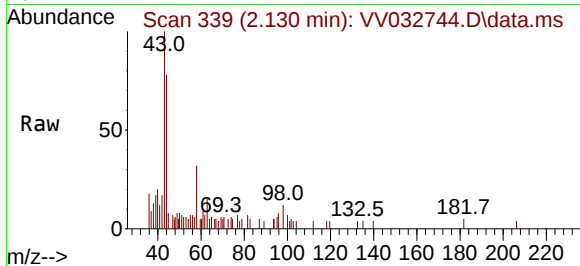
A49Q8

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

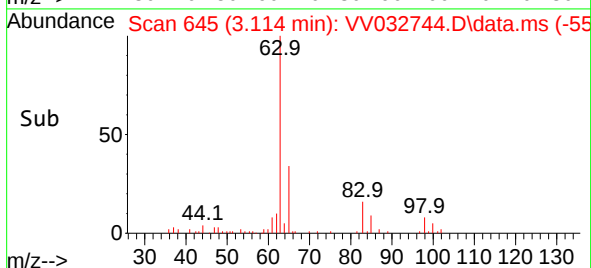
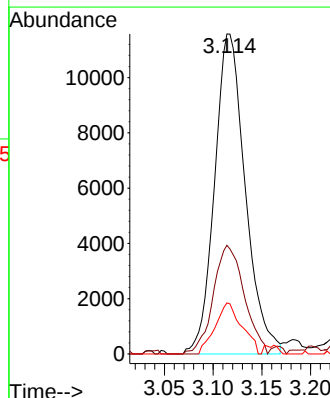
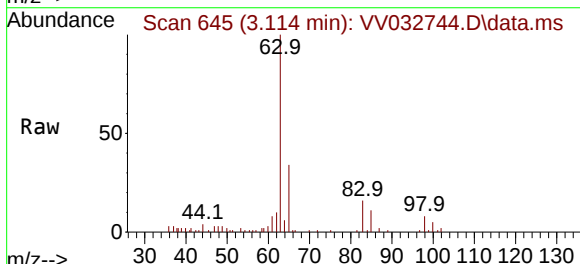
Tgt Ion: 63 Resp: 25389

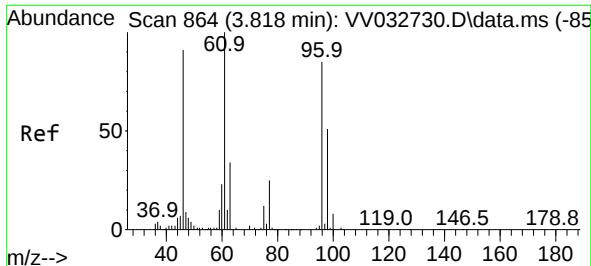
Ion Ratio Lower Upper

63 100

65 34.0 21.5 39.9

83 16.0 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 12.663 ug/L

RT: 3.815 min Scan# 80

Delta R.T. -0.003 min

Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

Instrument :

MSVOA_V

ClientSampleId :

A49Q8

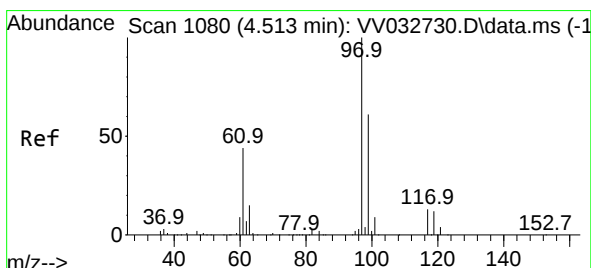
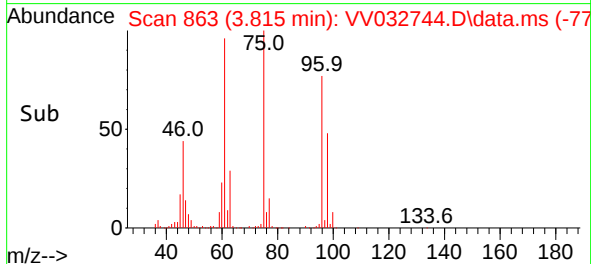
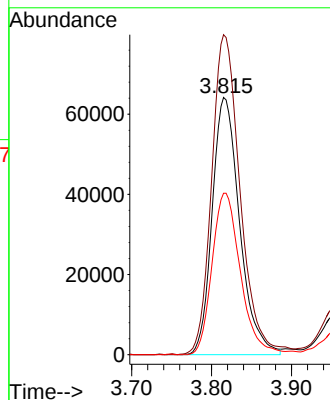
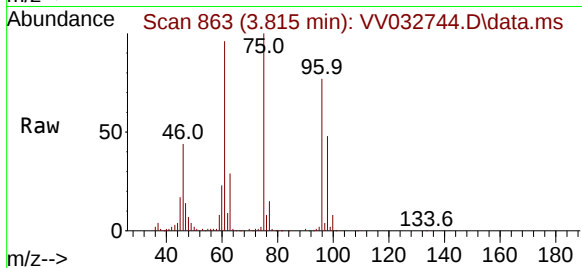
Tgt Ion: 96 Resp: 152976

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

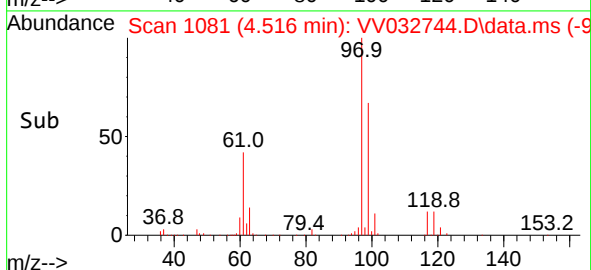
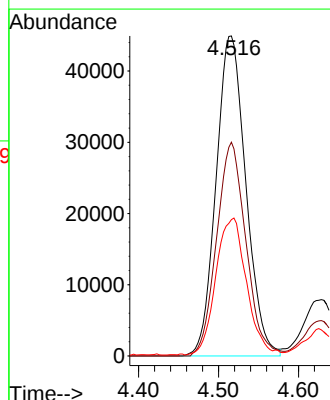
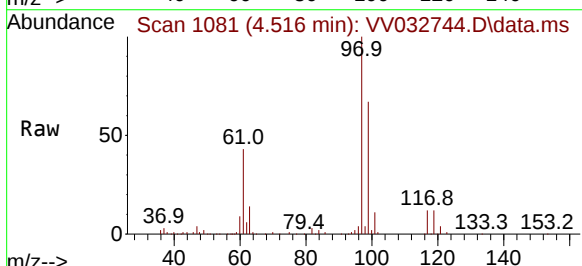
Tgt Ion: 97 Resp: 116375

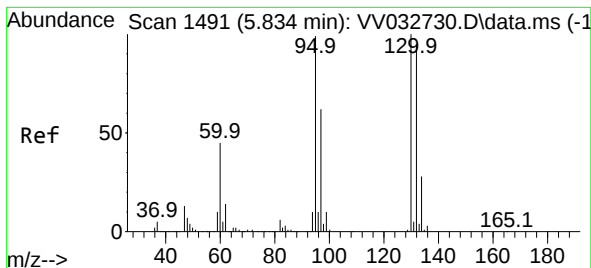
Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.0

61 44.0 36.1 54.1





#34

Trichloroethene

Concen: 0.453 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VV032744.D

Acq: 28 Oct 2023 16:05

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MSVOA_V

ClientSampleId :

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Tgt Ion: 95 Resp: 5804

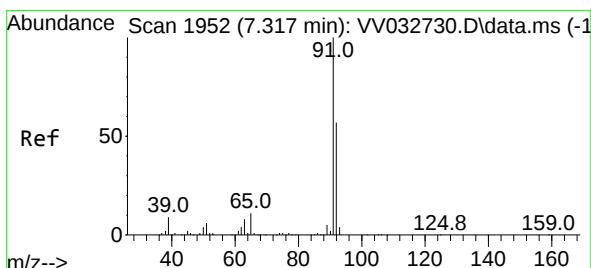
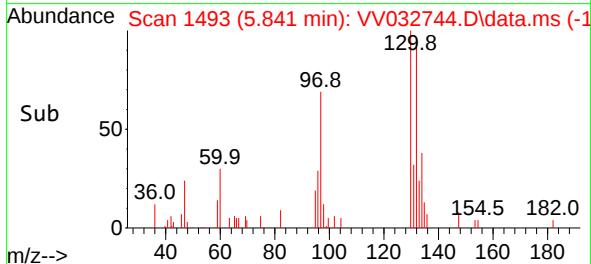
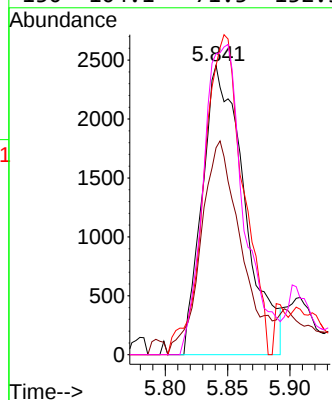
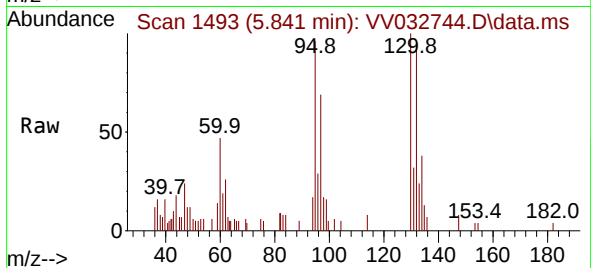
Ion Ratio Lower Upper

95 100

97 71.5 44.0 81.8

132 99.9 66.9 124.3

130 104.1 71.3 132.3



#42

Toluene

Concen: 1.225 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV032744.D

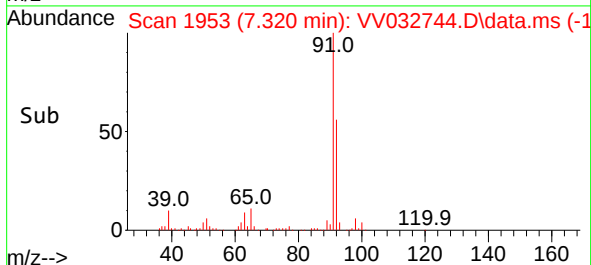
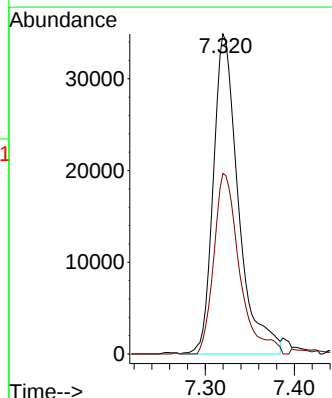
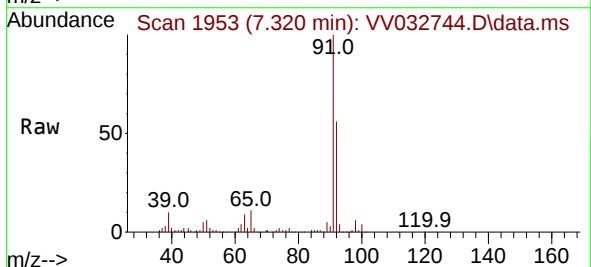
Acq: 28 Oct 2023 16:05

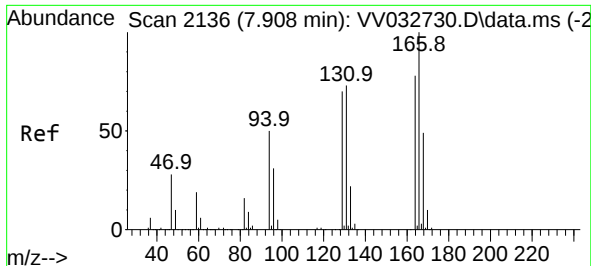
Tgt Ion: 91 Resp: 68271

Ion Ratio Lower Upper

91 100

92 56.4 39.9 74.1



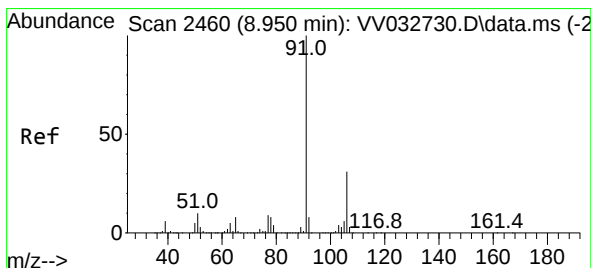
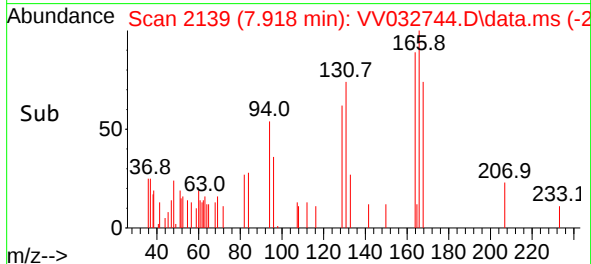
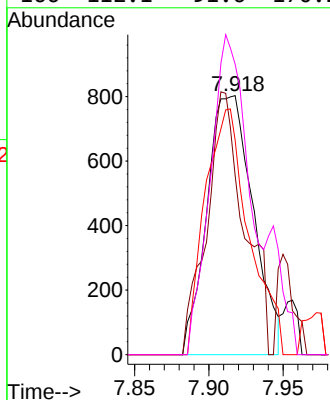
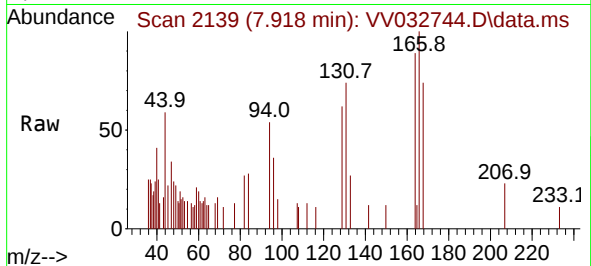


#47
Tetrachloroethene
Concen: 0.153 ug/L
RT: 7.918 min Scan# 2136
Delta R.T. 0.009 min
Lab File: VV032744.D
Acq: 28 Oct 2023 16:05

Instrument :
MSVOA_V
ClientSampleId :
A49Q8

Tgt Ion:164 Resp: 1738

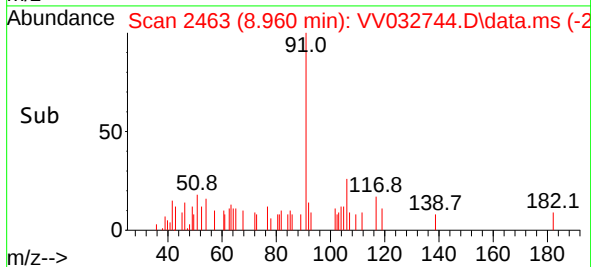
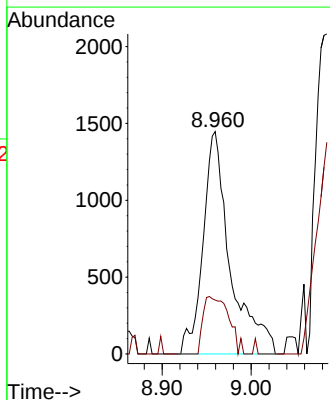
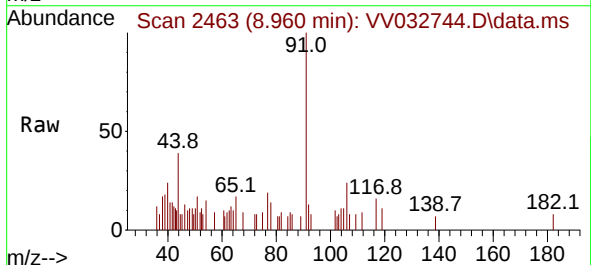
Ion	Ratio	Lower	Upper
164	100		
129	69.1	65.3	121.3
131	82.8	66.6	123.8
166	112.1	91.6	170.2

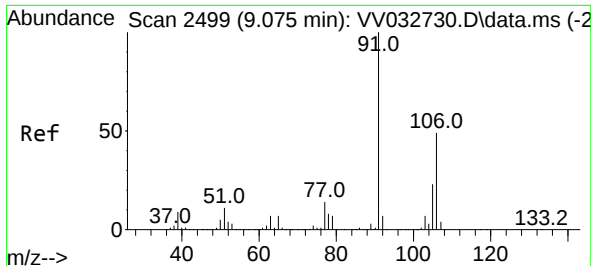


#52
Ethylbenzene
Concen: 0.052 ug/L
RT: 8.960 min Scan# 2463
Delta R.T. 0.009 min
Lab File: VV032744.D
Acq: 28 Oct 2023 16:05

Tgt Ion: 91 Resp: 3077

Ion	Ratio	Lower	Upper
91	100		
106	24.3	20.9	38.9

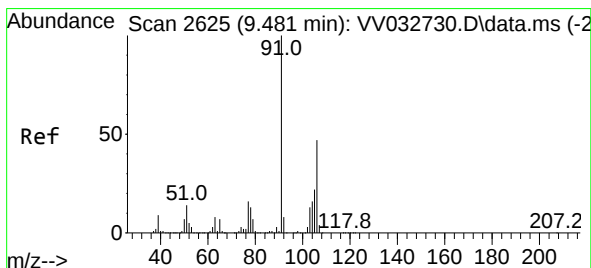
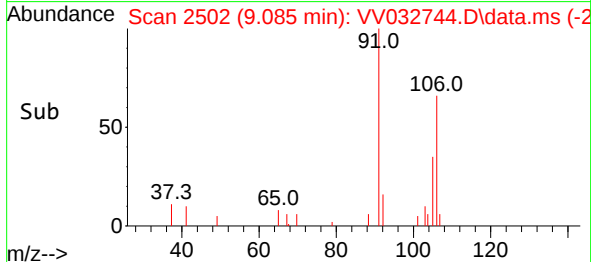
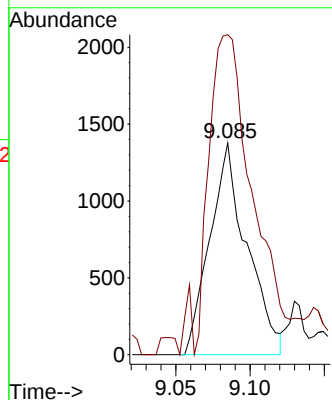
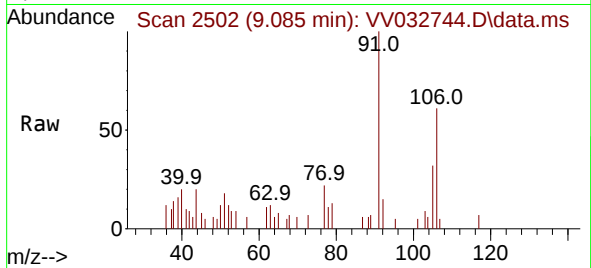




#53
m,p-Xylene
Concen: 0.108 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.009 min
Lab File: VV032744.D
Acq: 28 Oct 2023 16:05

Instrument :
MSVOA_V
ClientSampleId :
A49Q8

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

