

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
 Data File : VV028780.D
 Acq On : 31 Oct 2022 15:08
 Operator : SY/MD
 Sample : N5301-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 04:56:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 01 04:42:28 2022
 Response via : Initial Calibration

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

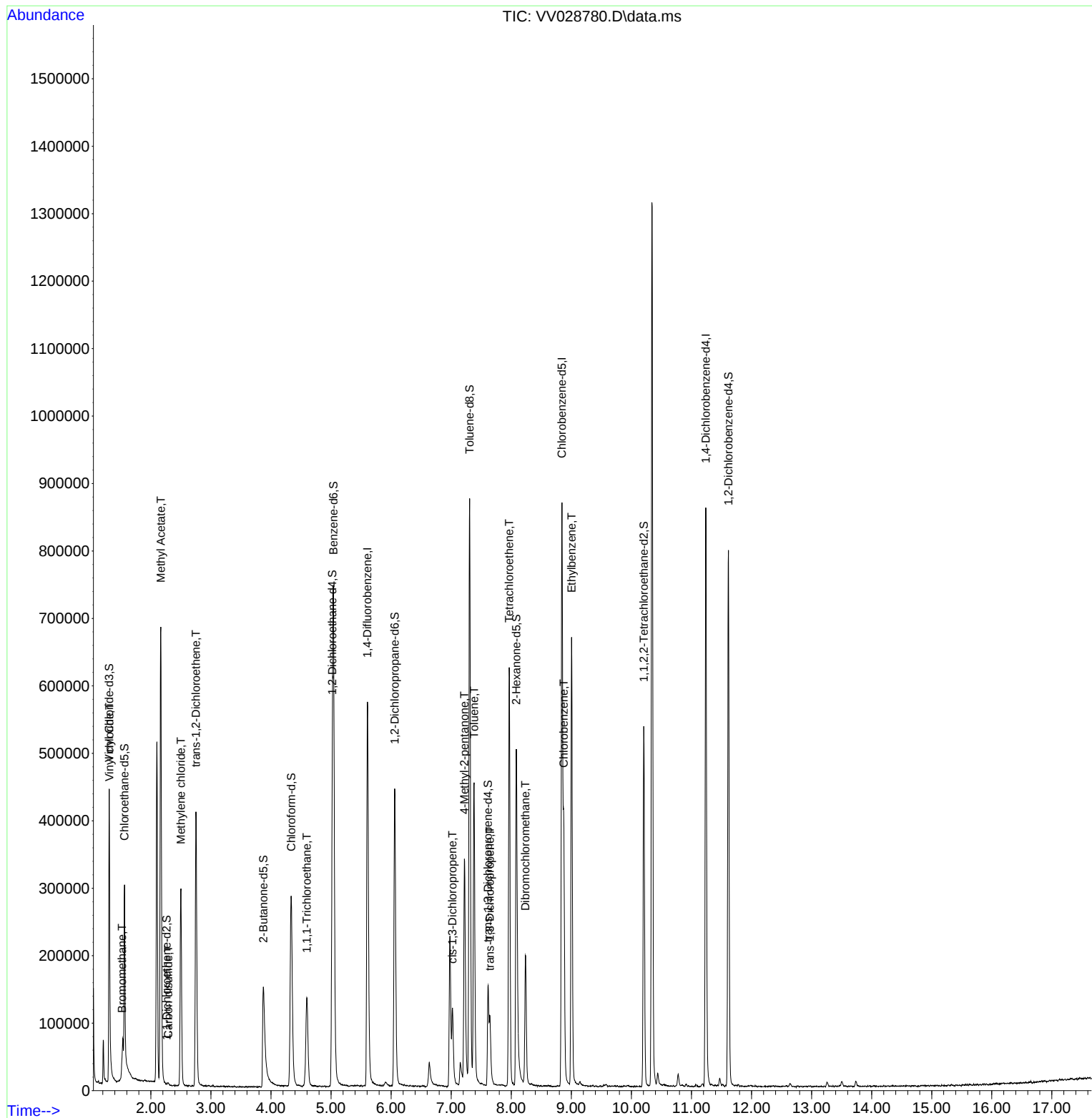
Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	455372	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	420418	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	194429	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	194393	45.032	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.060%
7) Chloroethane-d5	1.561	69	178776	48.446	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.900%
11) 1,1-Dichloroethene-d2	2.262	63	144	0.018	ug/L	0.16
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.040%#
21) 2-Butanone-d5	3.873	46	293849	93.512	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.510%
24) Chloroform-d	4.336	84	284197	43.651	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.300%
26) 1,2-Dichloroethane-d4	5.021	65	201893	46.887	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.780%
32) Benzene-d6	5.040	84	626630	47.745	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.500%
36) 1,2-Dichloropropane-d6	6.059	67	213859	47.463	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.920%
41) Toluene-d8	7.307	98	551639	47.811	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.620%
43) trans-1,3-Dichloroprop...	7.612	79	77992	45.067	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.140%
47) 2-Hexanone-d5	8.085	63	187269	91.969	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.970%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	265209	44.636	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.280%
66) 1,2-Dichlorobenzene-d4	11.615	152	183902	47.918	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.840%
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	149265	29.155	ug/L	99
6) Bromomethane	1.519	94	10825	3.832	ug/L	100
14) Carbon disulfide	2.288	76	4477	0.473	ug/L #	91
15) Methyl Acetate	2.166	43	6746	1.321	ug/L	95
16) Methylene chloride	2.500	84	109595	26.595	ug/L	97
17) trans-1,2-Dichloroethene	2.751	96	138087	42.033	ug/L	97
30) 1,1,1-Trichloroethane	4.596	97	103067	19.449	ug/L	98
39) cis-1,3-Dichloropropene	7.021	75	64867	11.599	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	254534	37.373	ug/L	99
42) Toluene	7.381	91	314756	20.857	ug/L	99
44) trans-1,3-Dichloropropene	7.644	75	58571	11.325	ug/L	100
46) Tetrachloroethene	7.966	164	125425	52.284	ug/L	99
49) Dibromochloromethane	8.236	129	92171	28.341	ug/L	99
51) Chlorobenzene	8.873	112	184042	19.916	ug/L	96
52) Ethylbenzene	9.005	91	449789	27.706	ug/L	100

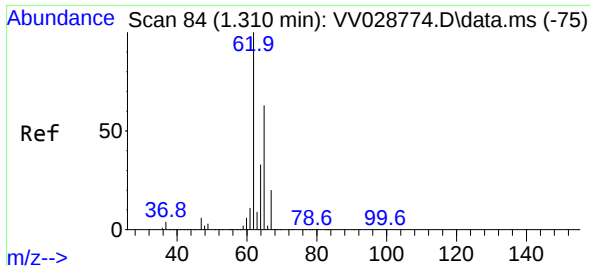
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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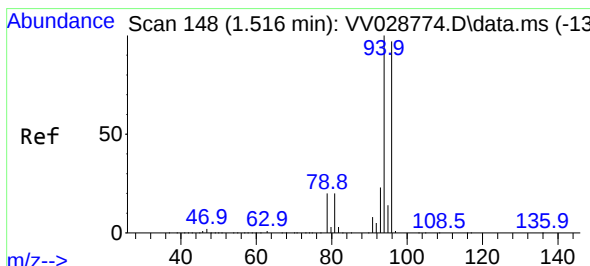
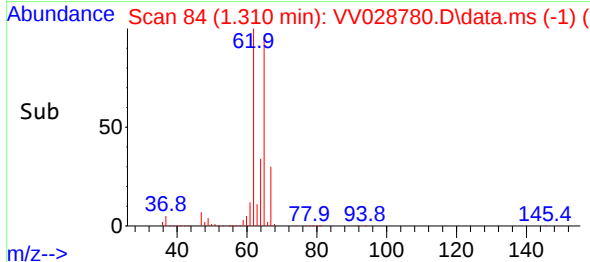
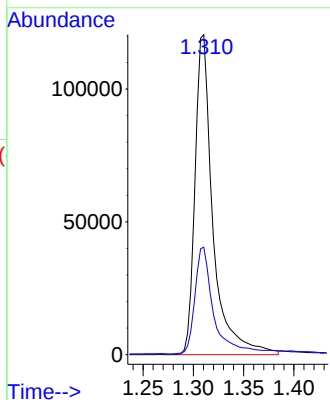
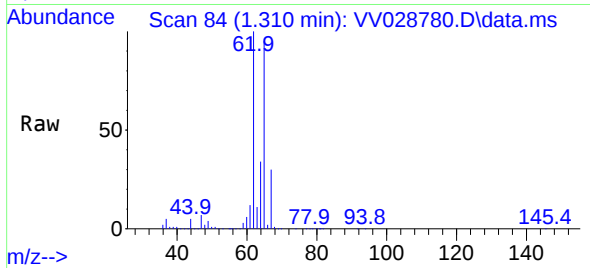




#5
 Vinyl chloride
 Concen: 29.155 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV028780.D
 Acq: 31 Oct 2022 15:08

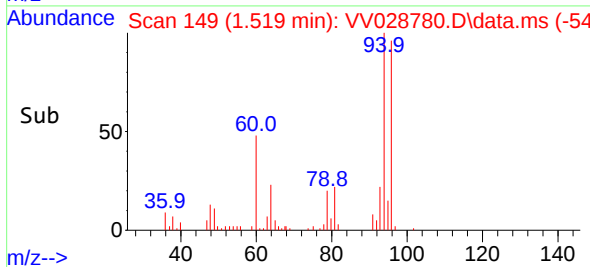
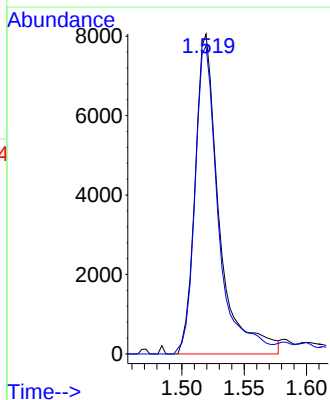
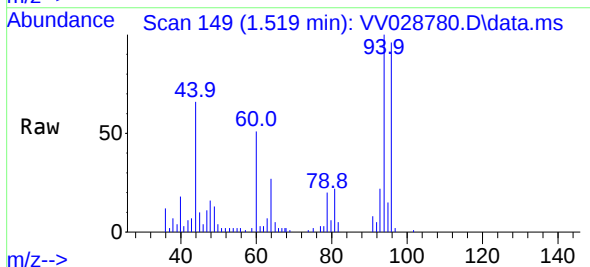
Instrument :
 MSVOA_V
 ClientSampleId :

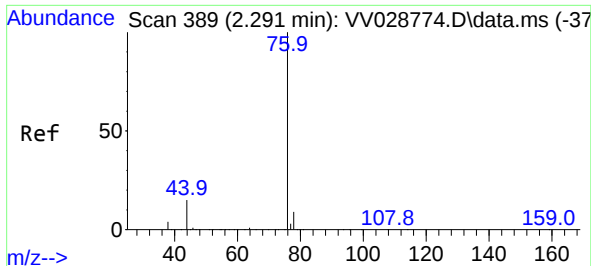
Tgt Ion: 62 Resp: 149265
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.2 43.0



#6
 Bromomethane
 Concen: 3.832 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VV028780.D
 Acq: 31 Oct 2022 15:08

Tgt Ion: 94 Resp: 10825
 Ion Ratio Lower Upper
 94 100
 96 96.3 67.6 125.6

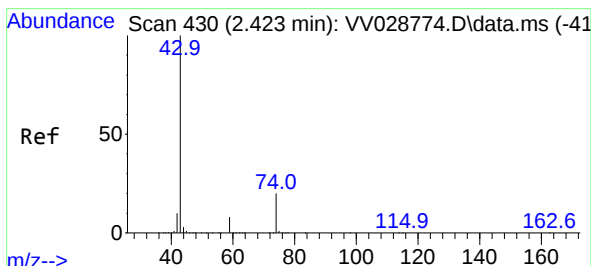
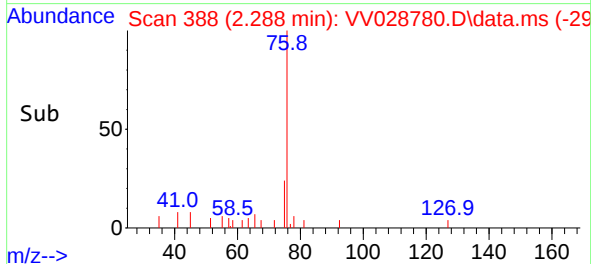
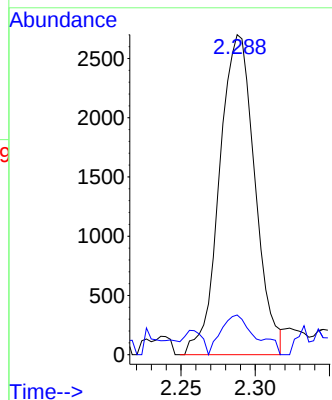
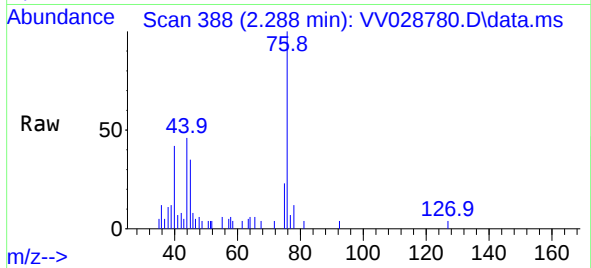




#14
Carbon disulfide
Concen: 0.473 ug/L
RT: 2.288 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV028780.D
Acq: 31 Oct 2022 15:08

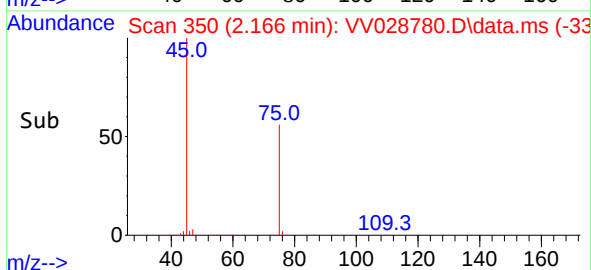
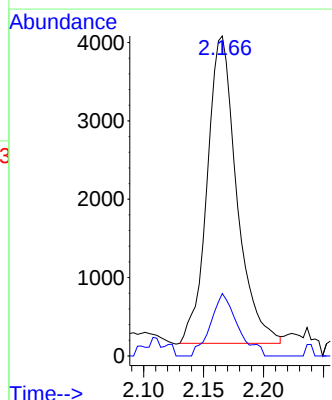
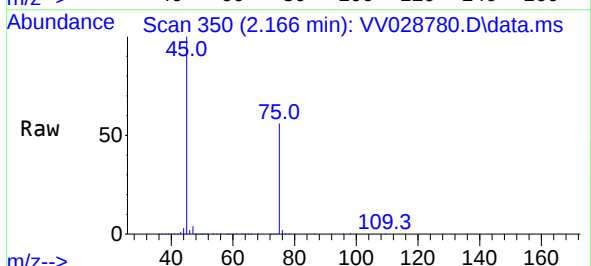
Instrument :
MSVOA_V
ClientSampleId :

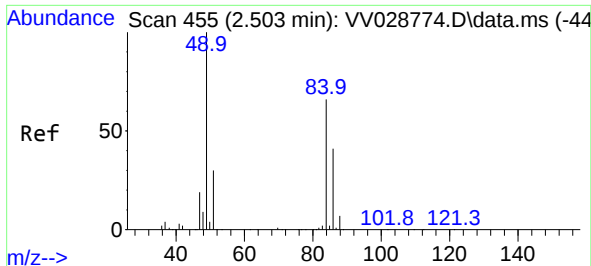
Tgt Ion: 76 Resp: 4477
Ion Ratio Lower Upper
76 100
78 12.4 7.4 11.2#



#15
Methyl Acetate
Concen: 1.321 ug/L
RT: 2.166 min Scan# 350
Delta R.T. -0.257 min
Lab File: VV028780.D
Acq: 31 Oct 2022 15:08

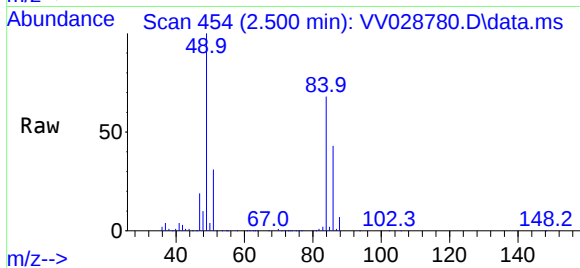
Tgt Ion: 43 Resp: 6746
Ion Ratio Lower Upper
43 100
74 17.2 15.6 23.4



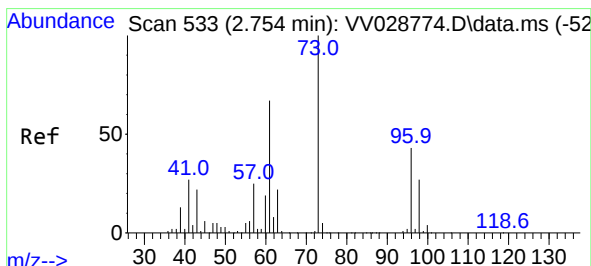
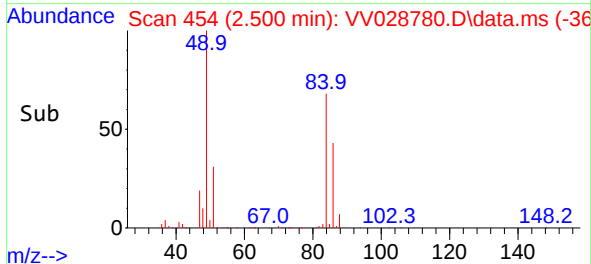
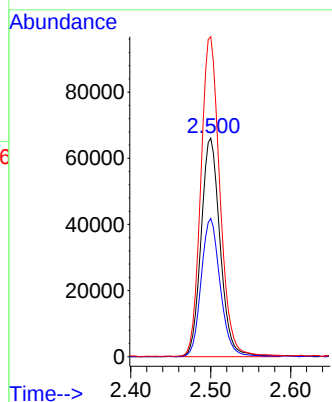


#16
Methylene chloride
Concen: 26.595 ug/L
RT: 2.500 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV028780.D
Acq: 31 Oct 2022 15:08

Instrument :
MSVOA_V
ClientSampleId :

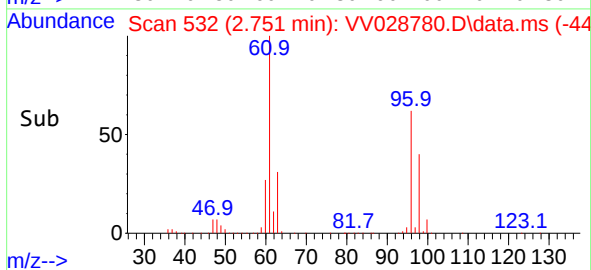
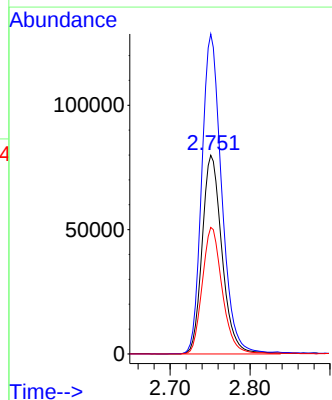
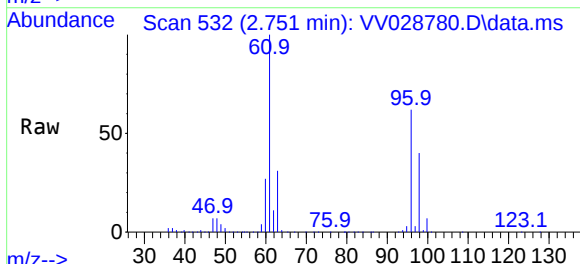


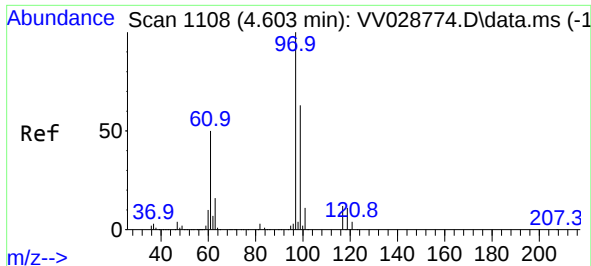
Tgt Ion: 84 Resp: 109595
Ion Ratio Lower Upper
84 100
86 63.3 43.7 81.1
49 146.4 105.3 195.5



#17
trans-1,2-Dichloroethene
Concen: 42.033 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.003 min
Lab File: VV028780.D
Acq: 31 Oct 2022 15:08

Tgt Ion: 96 Resp: 138087
Ion Ratio Lower Upper
96 100
61 161.1 109.4 203.2
98 63.7 43.3 80.5





#30

1,1,1-Trichloroethane

Concen: 19.449 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VV028780.D

Acq: 31 Oct 2022 15:08

Instrument :

MSVOA_V

ClientSampleId :

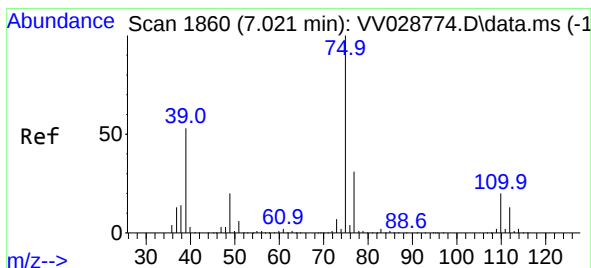
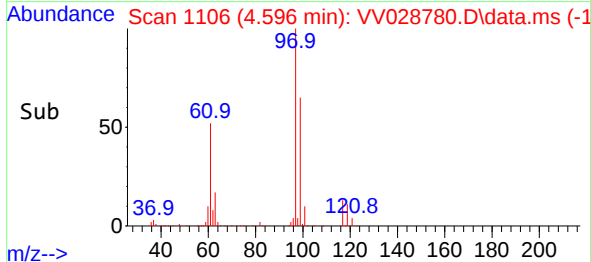
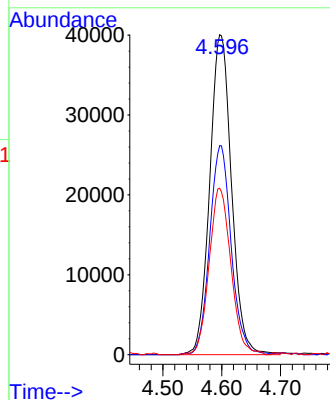
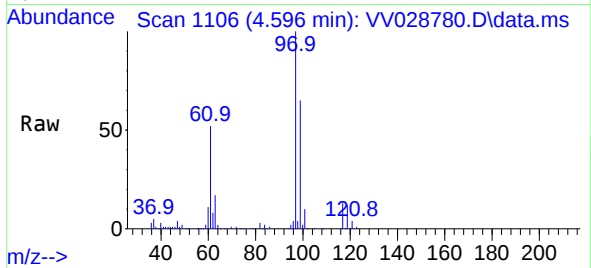
Tgt Ion: 97 Resp: 103067

Ion Ratio Lower Upper

97 100

99 64.0 50.2 75.4

61 51.9 40.2 60.4



#39

cis-1,3-Dichloropropene

Concen: 11.599 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.000 min

Lab File: VV028780.D

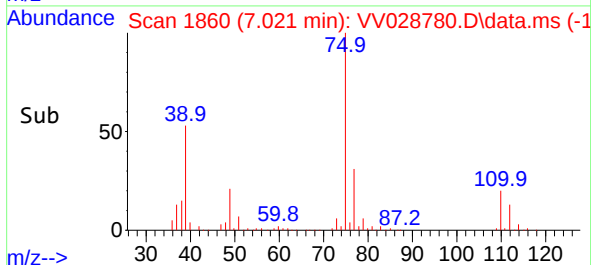
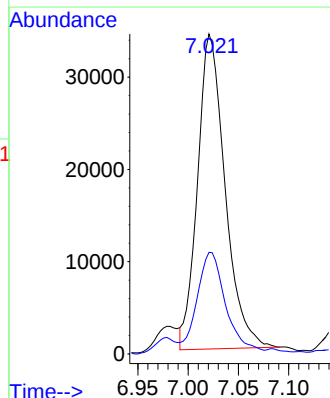
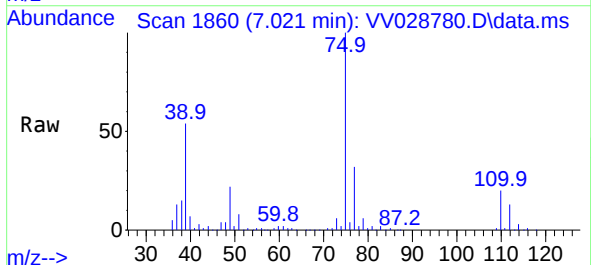
Acq: 31 Oct 2022 15:08

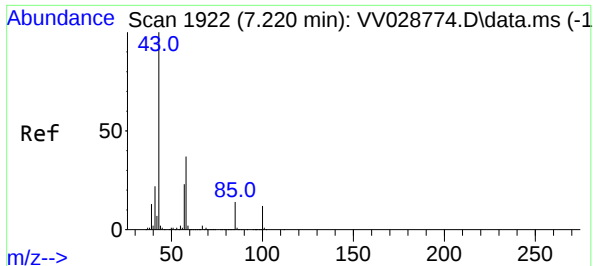
Tgt Ion: 75 Resp: 64867

Ion Ratio Lower Upper

75 100

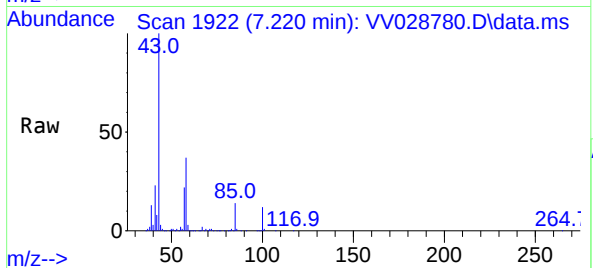
77 31.7 21.8 40.4



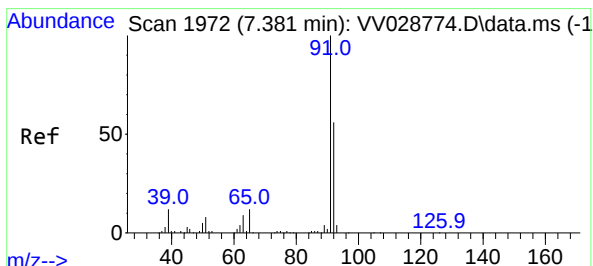
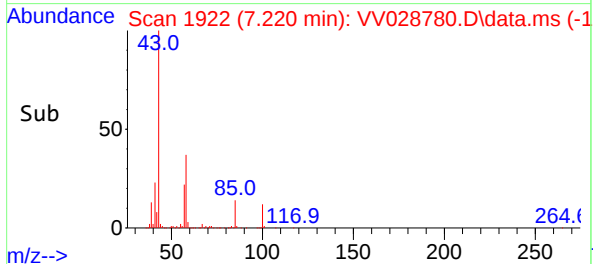
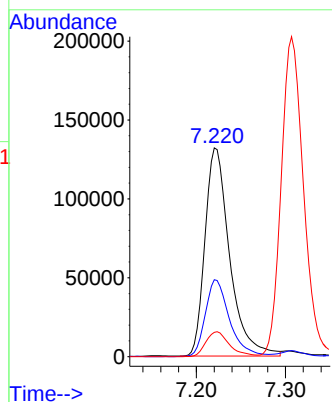


#40
4-Methyl-2-pentanone
Concen: 37.373 ug/L
RT: 7.220 min Scan# 1922
Delta R.T. -0.000 min
Lab File: VV028780.D
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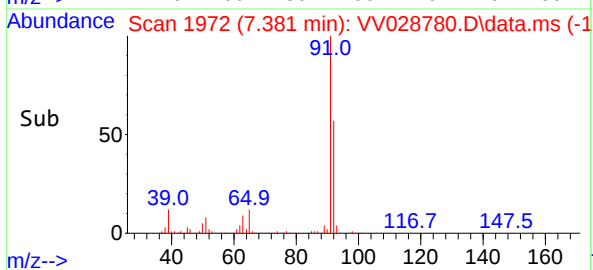
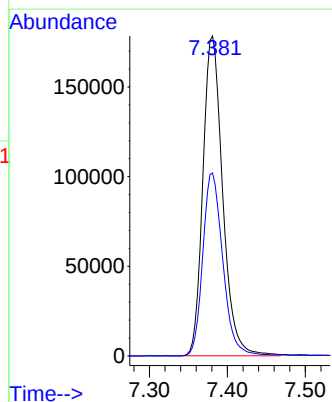
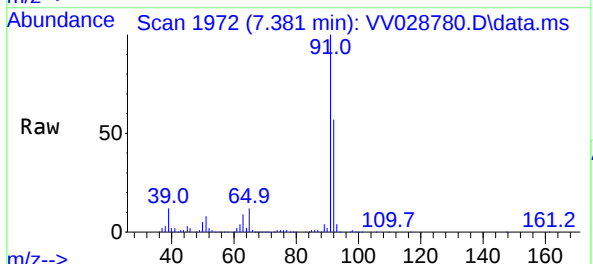


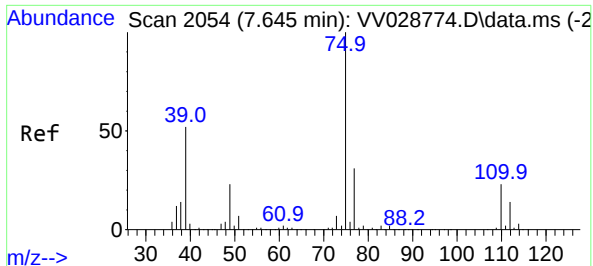
Tgt Ion: 43 Resp: 254534
Ion Ratio Lower Upper
43 100
58 35.9 29.1 43.7
100 11.6 9.5 14.3



#42
Toluene
Concen: 20.857 ug/L
RT: 7.381 min Scan# 1972
Delta R.T. -0.003 min
Lab File: VV028780.D
Acq: 31 Oct 2022 15:08

Tgt Ion: 91 Resp: 314756
Ion Ratio Lower Upper
91 100
92 57.2 39.3 73.1

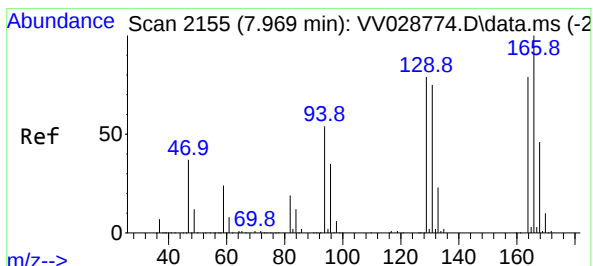
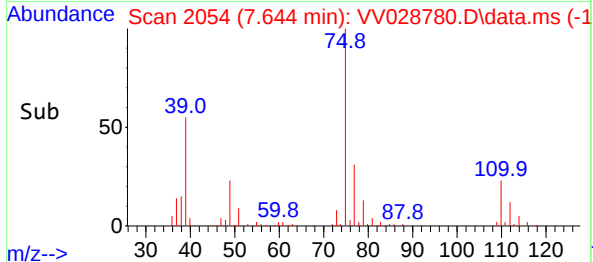
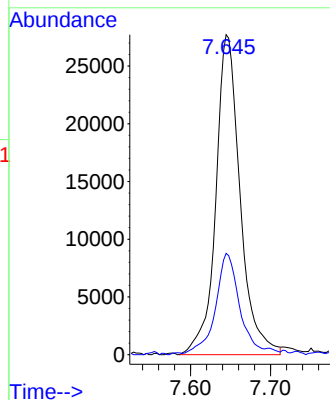
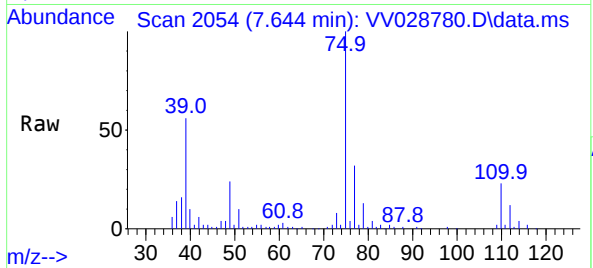




#44
trans-1,3-Dichloropropene
Concen: 11.325 ug/L
RT: 7.644 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VV028780.D
Acq: 31 Oct 2022 15:08

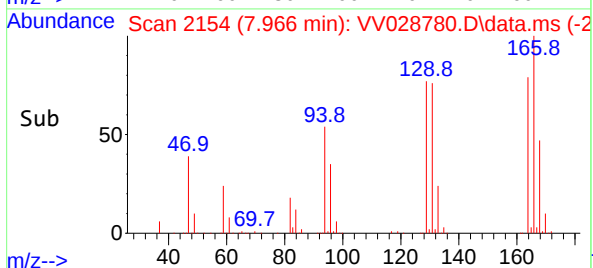
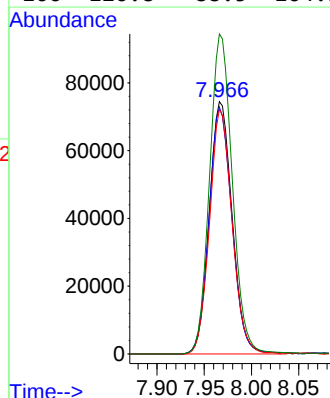
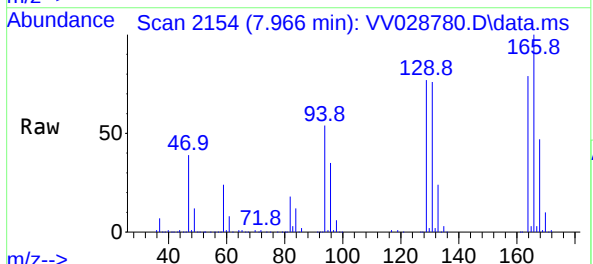
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MSVOA_V
ClientSampleId :

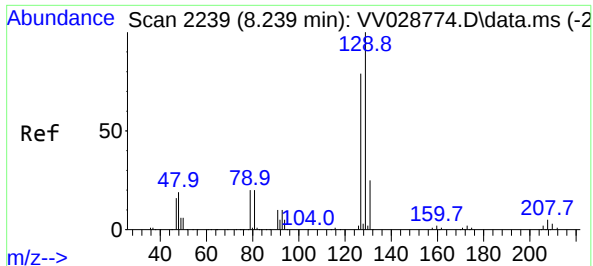
Tgt Ion: 75 Resp: 58571
Ion Ratio Lower Upper
75 100
77 31.7 22.0 41.0



#46
Tetrachloroethene
Concen: 52.284 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VV028780.D
Acq: 31 Oct 2022 15:08

Tgt Ion:164 Resp: 125425
Ion Ratio Lower Upper
164 100
129 97.8 69.5 129.1
131 97.0 66.4 123.2
166 126.8 88.5 164.3





#49

Dibromochloromethane

Concen: 28.341 ug/L

RT: 8.236 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV028780.D

Acq: 31 Oct 2022 15:08

Instrument :

MSVOA_V

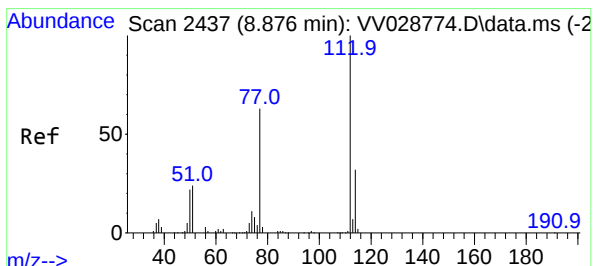
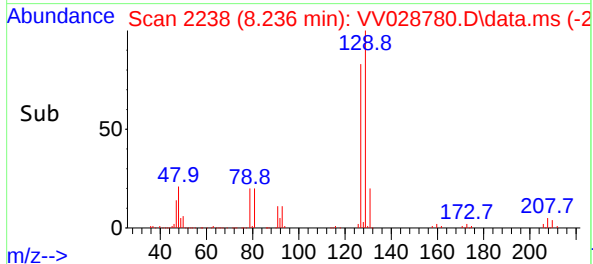
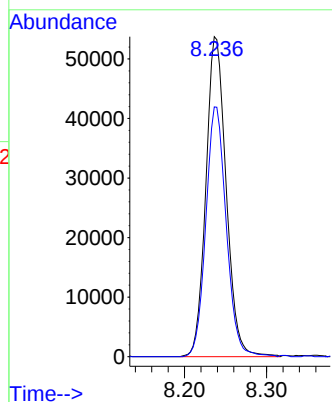
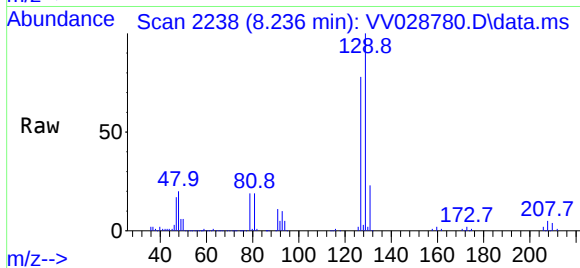
ClientSampleId :

Tgt Ion:129 Resp: 92171

Ion Ratio Lower Upper

129 100

127 78.0 55.3 102.7



#51

Chlorobenzene

Concen: 19.916 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. -0.003 min

Lab File: VV028780.D

Acq: 31 Oct 2022 15:08

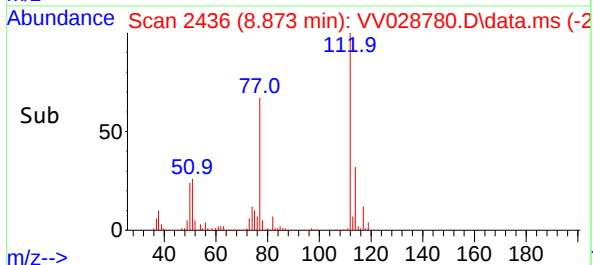
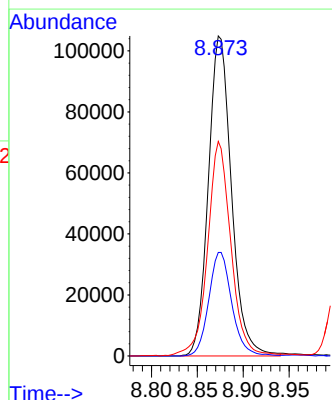
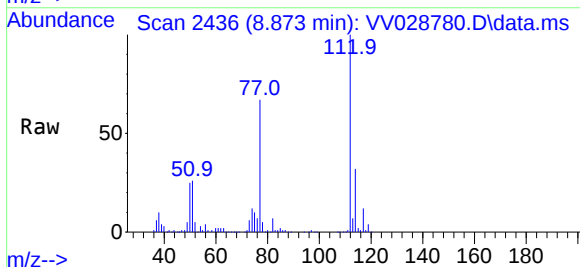
Tgt Ion:112 Resp: 184042

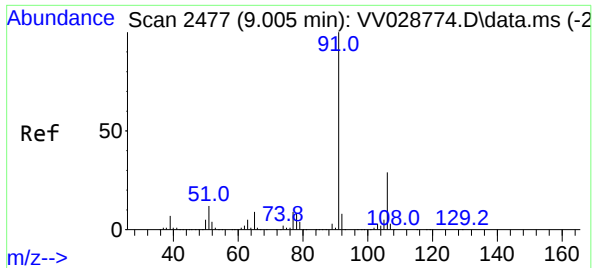
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

77 67.1 50.6 75.8





#52
Ethylbenzene
Concen: 27.706 ug/L
RT: 9.005 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV028780.D
Acq: 31 Oct 2022 15:08

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 91 Resp: 449789
Ion Ratio Lower Upper
91 100
106 29.2 20.4 38.0

