

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100422\
 Data File : VV028317.D
 Acq On : 04 Oct 2022 09:55
 Operator : SY/MD
 Sample : VV1004WBL01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 04 23:23:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 04 02:28:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	269351	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	263811	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	116958	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	87452	4.321	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.400%
7) Chloroethane-d5	1.561	69	82224	4.799	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.095	63	132308	3.469	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.400%
20) 2-Butanone-d5	3.895	46	171528	50.092	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.180%
24) Chloroform-d	4.333	84	171374	4.674	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.021	65	80783	4.753	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.037	84	369951	5.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
36) 1,2-Dichloropropane-d6	6.059	67	110520	5.324	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.400%
41) Toluene-d8	7.307	98	314412	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	7.616	79	34911	4.415	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.082	63	143354	44.296	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.600%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	70618	4.488	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.619	152	107653	5.348	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.000%

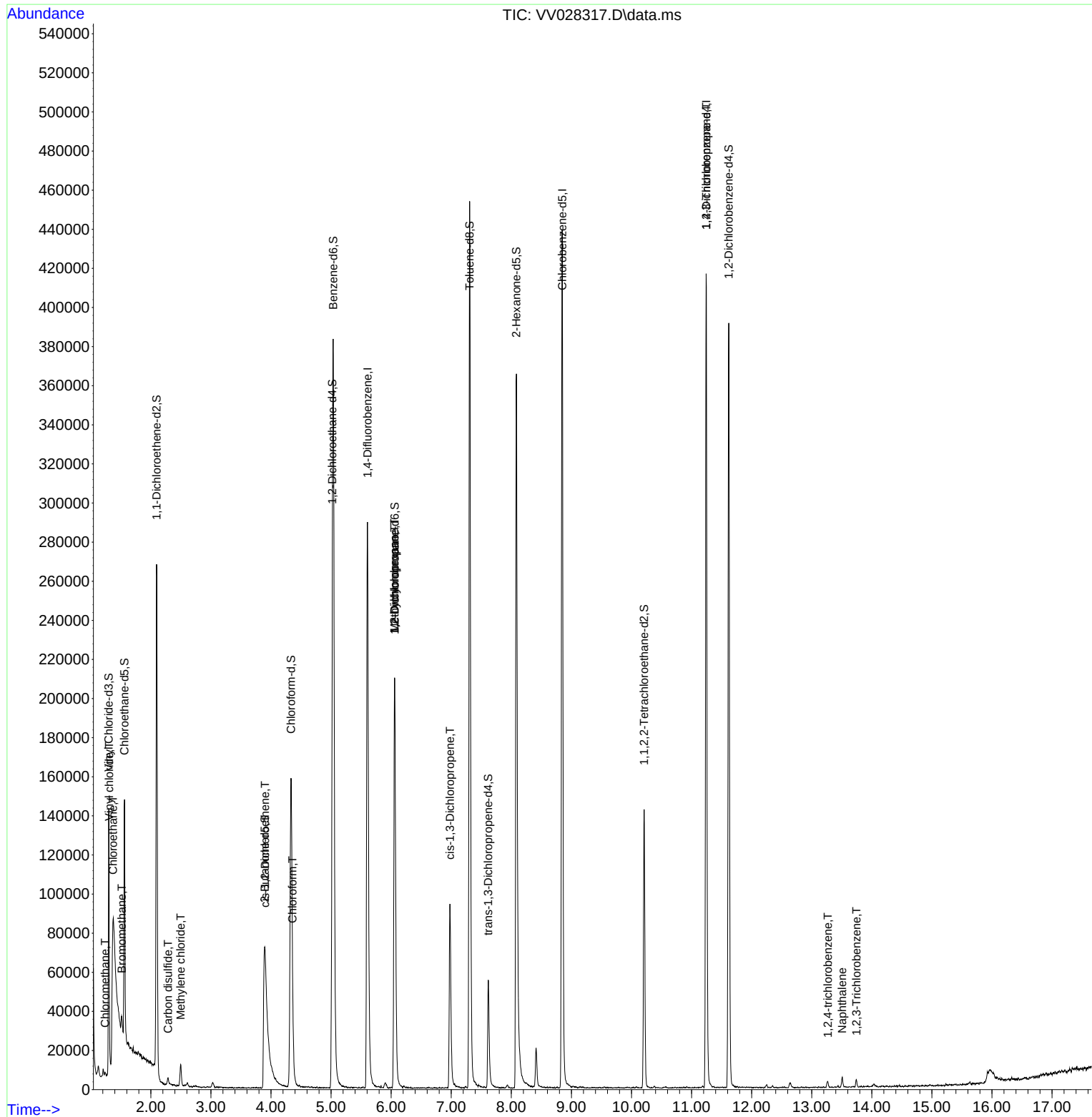
Target Compounds				Qvalue		
3) Chloromethane	1.236	50	1124	0.055	ug/L	87
5) Vinyl chloride	1.304	62	2451	0.106	ug/L #	1
6) Bromomethane	1.516	94	3901	0.355	ug/L	97
8) Chloroethane	1.371	64	284143	18.440	ug/L #	50
14) Carbon disulfide	2.285	76	4515	0.075	ug/L	96
16) Methylene chloride	2.497	84	4541	0.209	ug/L	90
22) cis-1,2-Dichloroethene	3.902	96	3618	0.179	ug/L	97
25) Chloroform	4.359	83	10833	0.288	ug/L	92
35) Methylcyclohexane	6.056	83	26886	0.838	ug/L #	17
37) 1,2-Dichloropropane	6.056	63	11415	0.628	ug/L #	87
39) cis-1,3-Dichloropropene	6.979	75	2420	0.093	ug/L #	69
61) 1,2,3-Trichloropropane	11.242	75	11576	1.283	ug/L #	69
70) 1,2,4-trichlorobenzene	13.268	180	1467	0.069	ug/L	97
71) Naphthalene	13.506	128	4637	0.140	ug/L #	79
72) 1,2,3-Trichlorobenzene	13.744	180	1367	0.072	ug/L	97

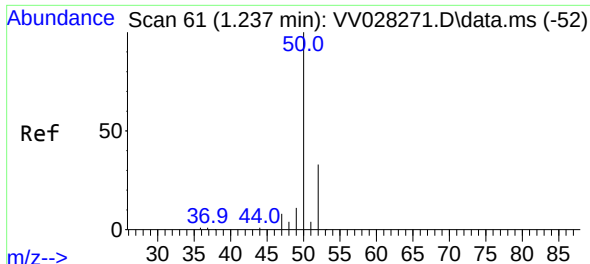
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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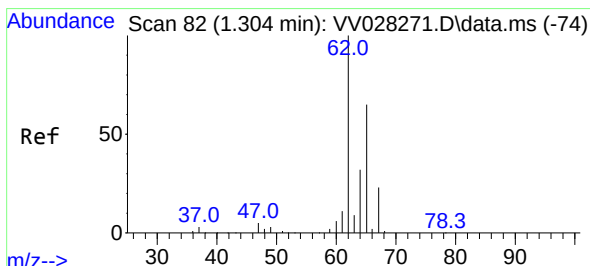
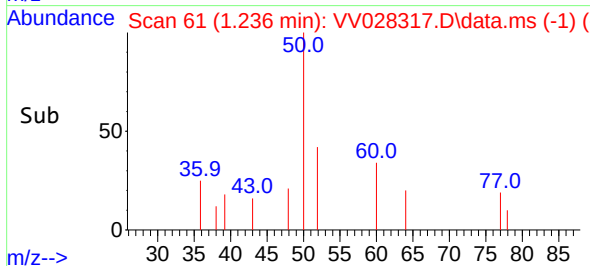
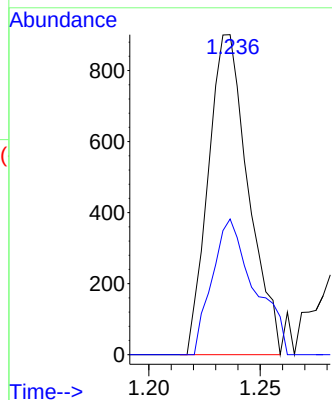
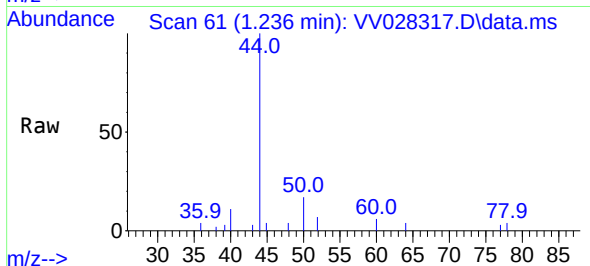




#3
Chloromethane
Concen: 0.055 ug/L
RT: 1.236 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

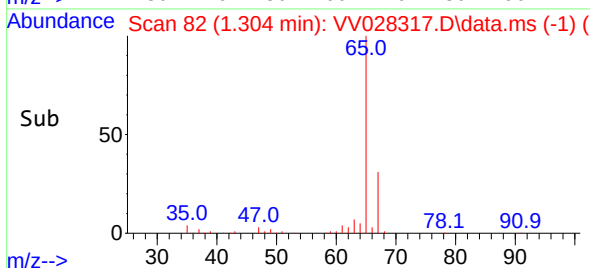
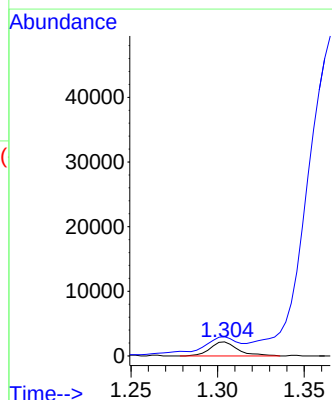
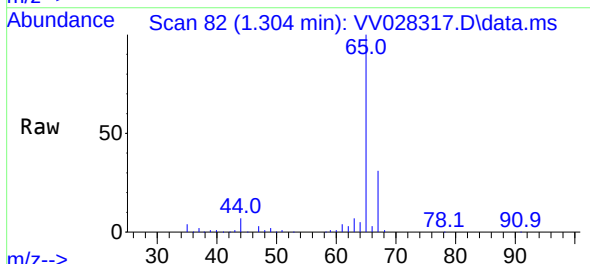
Instrument :
MSVOA_V
ClientSampleId :

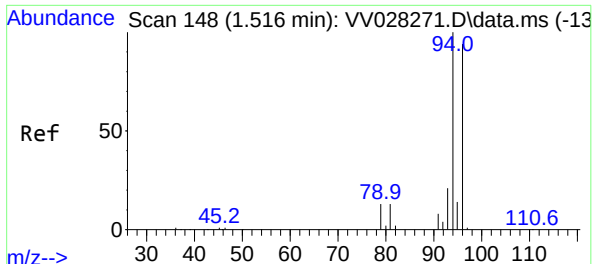
Tgt Ion: 50 Resp: 1124
Ion Ratio Lower Upper
50 100
52 42.4 24.4 45.2



#5
Vinyl chloride
Concen: 0.106 ug/L
RT: 1.304 min Scan# 82
Delta R.T. 0.000 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

Tgt Ion: 62 Resp: 2451
Ion Ratio Lower Upper
62 100
64 137.7 23.0 42.8#

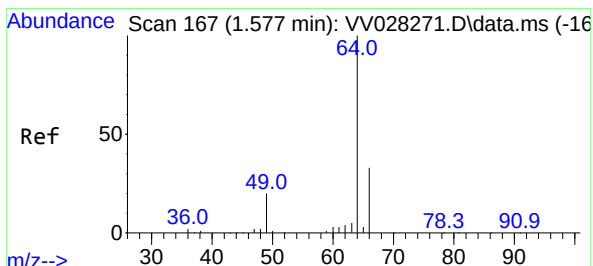
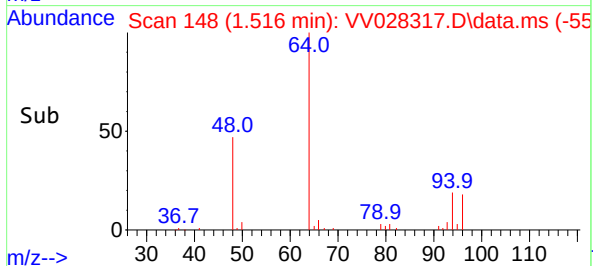
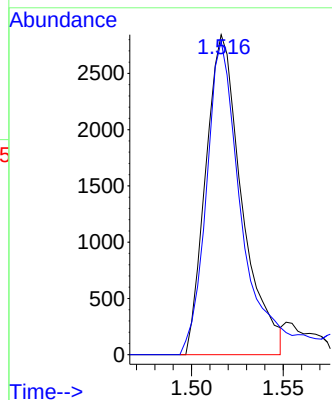
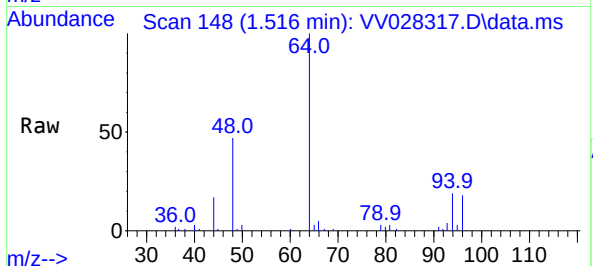




#6
Bromomethane
Concen: 0.355 ug/L
RT: 1.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

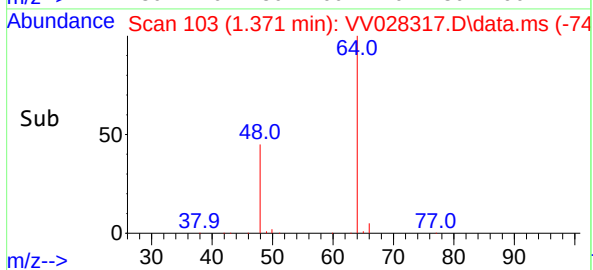
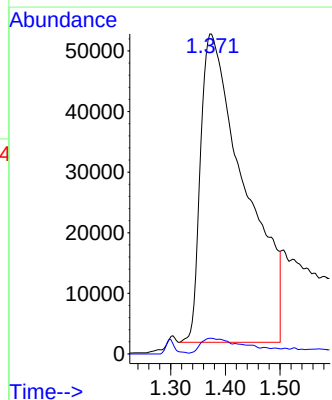
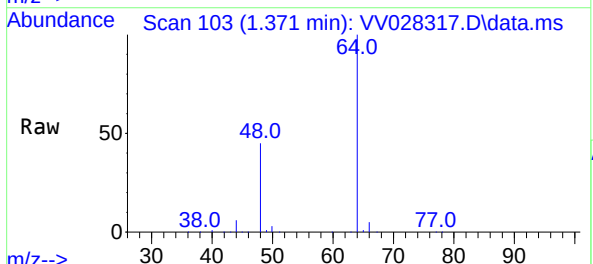
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ClientSampleId :

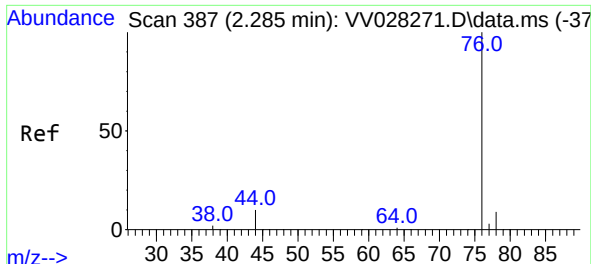
Tgt Ion: 94 Resp: 3901
Ion Ratio Lower Upper
94 100
96 98.0 66.7 123.9



#8
Chloroethane
Concen: 18.440 ug/L
RT: 1.371 min Scan# 103
Delta R.T. -0.206 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

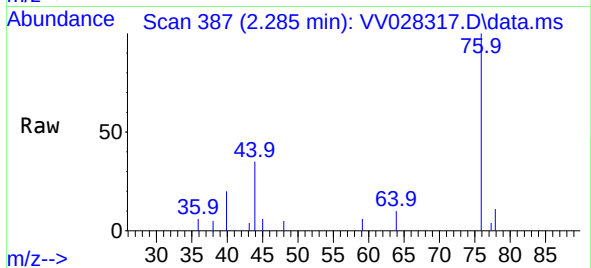
Tgt Ion: 64 Resp: 284143
Ion Ratio Lower Upper
64 100
66 4.9 23.0 42.8#



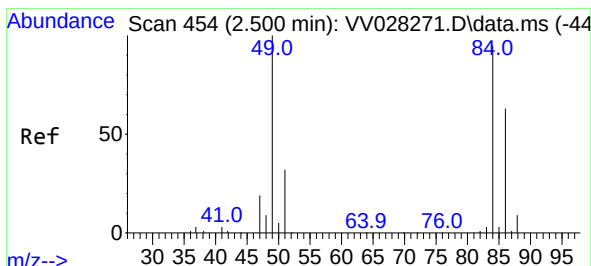
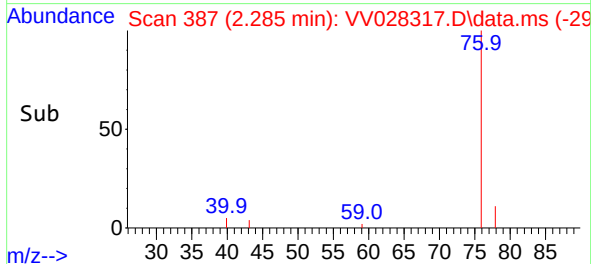
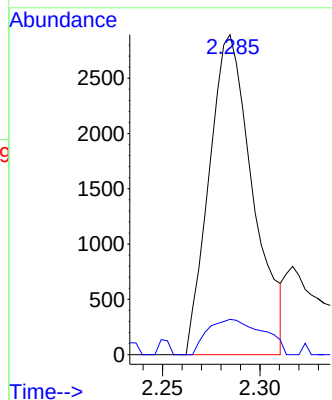


#14
Carbon disulfide
Concen: 0.075 ug/L
RT: 2.285 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

Instrument :
MSVOA_V
ClientSampleId :

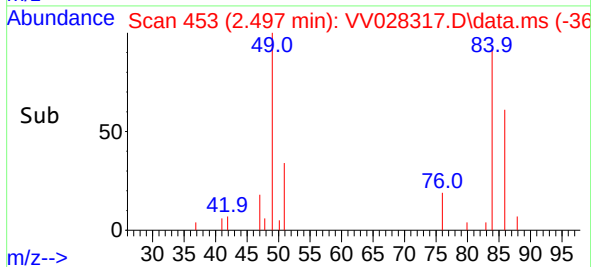
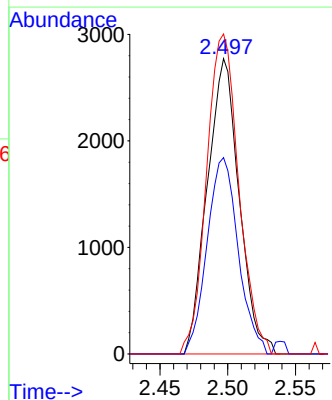
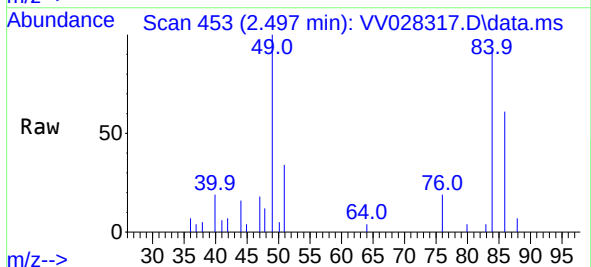


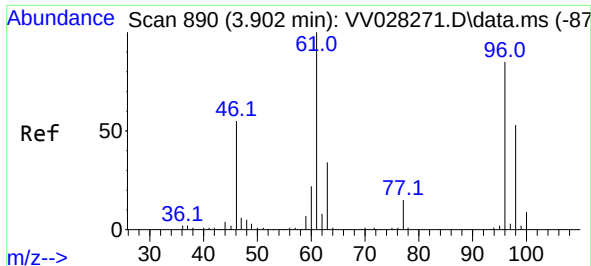
Tgt Ion: 76 Resp: 4515
Ion Ratio Lower Upper
76 100
78 11.0 7.6 11.4



#16
Methylene chloride
Concen: 0.209 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.003 min
Lab File: VV028317.D
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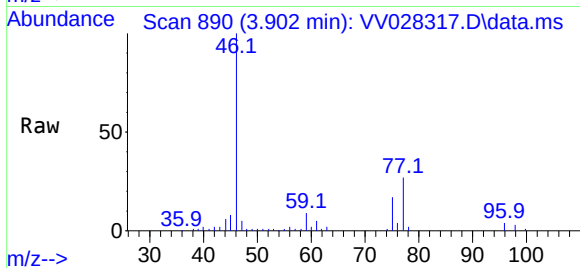
Tgt Ion: 84 Resp: 4541
Ion Ratio Lower Upper
84 100
86 66.5 46.8 86.8
49 108.4 87.5 162.5



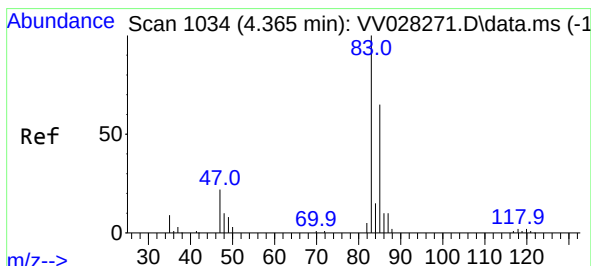
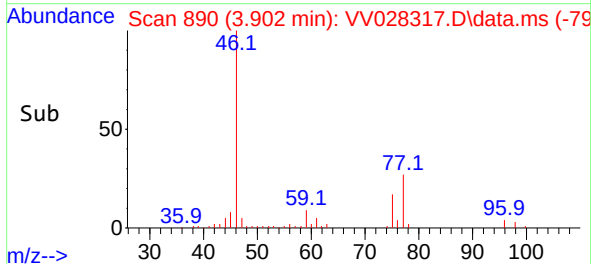
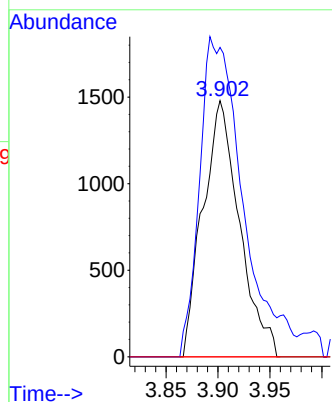


#22
cis-1,2-Dichloroethene
Concen: 0.179 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

Instrument :
MSVOA_V
ClientSampleId :

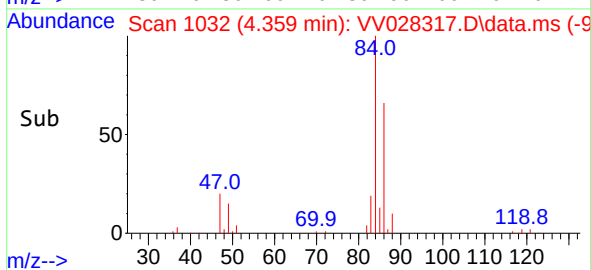
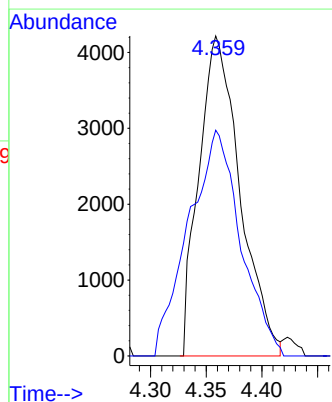
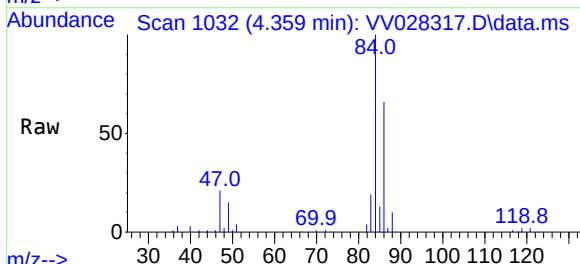


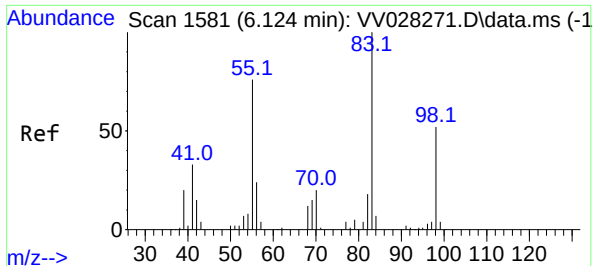
Tgt Ion: 96 Resp: 3618
Ion Ratio Lower Upper
96 100
61 120.8 87.2 161.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.288 ug/L
RT: 4.359 min Scan# 1032
Delta R.T. -0.010 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

Tgt Ion: 83 Resp: 10833
Ion Ratio Lower Upper
83 100
85 70.5 45.1 83.7

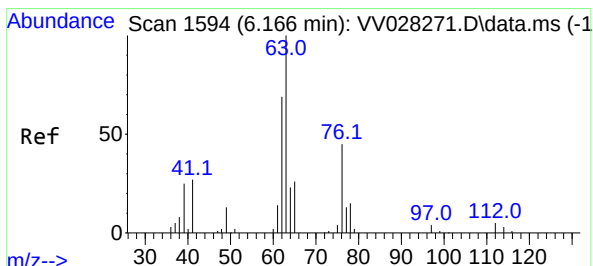
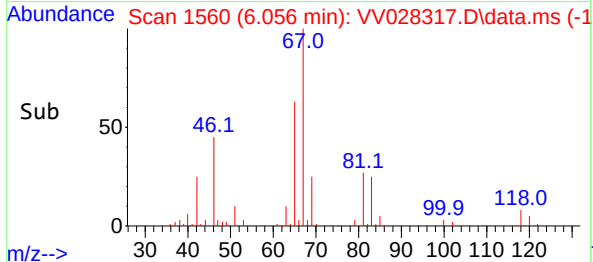
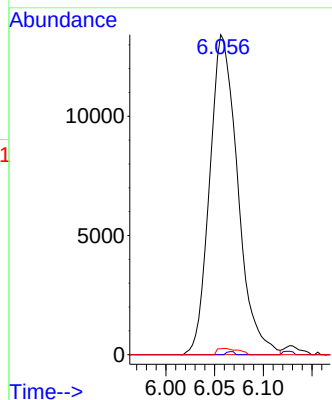
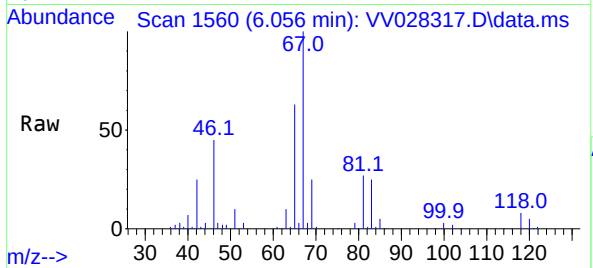




#35
Methylcyclohexane
Concen: 0.838 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.067 min
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Acq: 04 Oct 2022 09:55

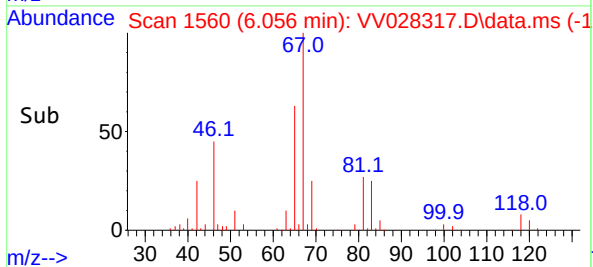
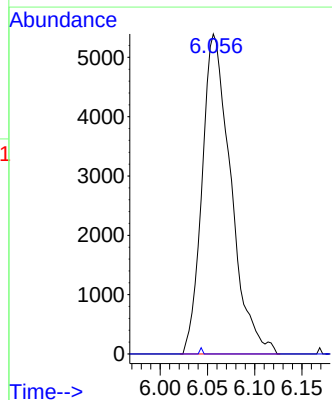
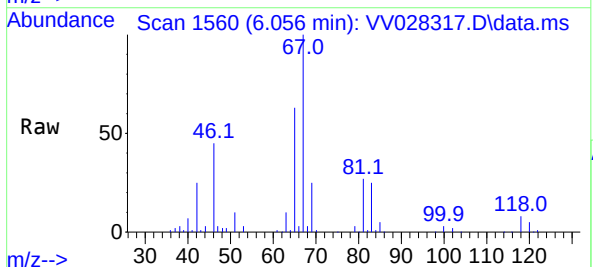
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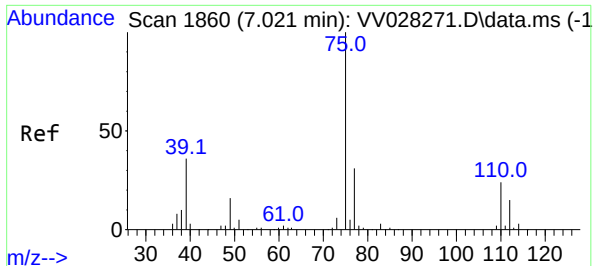
Tgt Ion	83	Resp	26886
Ion Ratio	Lower	Upper	
83	100		
55	0.3	64.7	97.1#
98	1.5	39.5	59.3#



#37
1,2-Dichloropropane
Concen: 0.628 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.113 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

Tgt Ion	63	Resp	11415
Ion Ratio	Lower	Upper	
63	100		
112	0.2	3.5	5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV028317.D

Acq: 04 Oct 2022 09:55

Instrument :

MSVOA_V

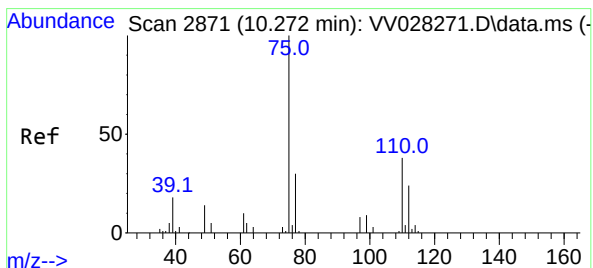
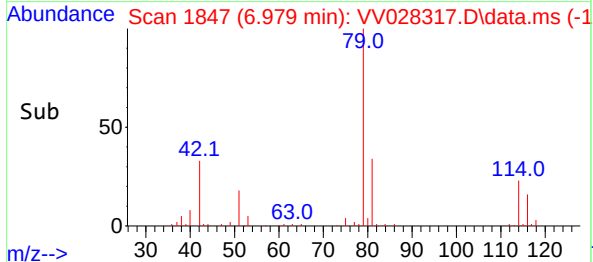
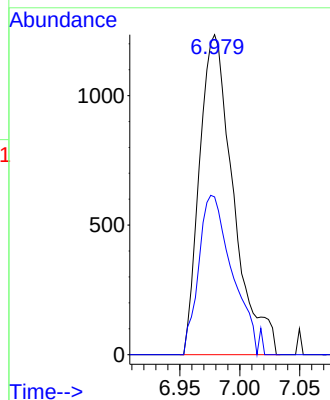
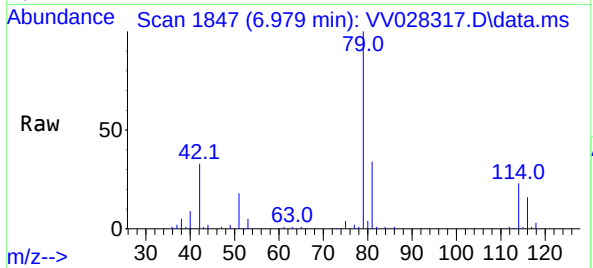
ClientSampleId :

Tgt Ion: 75 Resp: 2420

Ion Ratio Lower Upper

75 100

77 49.3 22.4 41.6#



#61

1,2,3-Trichloropropane

Concen: 1.283 ug/L

RT: 11.242 min Scan# 3173

Delta R.T. 0.971 min

Lab File: VV028317.D

Acq: 04 Oct 2022 09:55

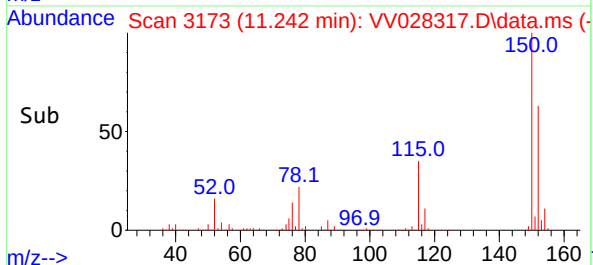
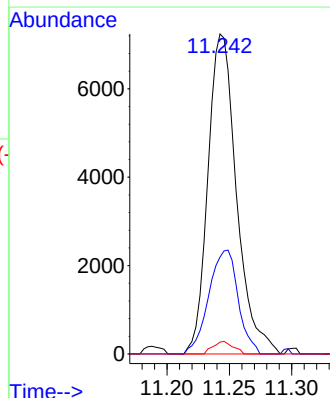
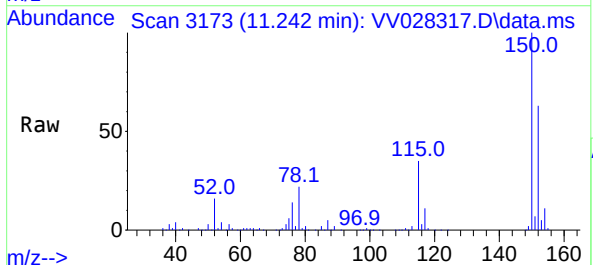
Tgt Ion: 75 Resp: 11576

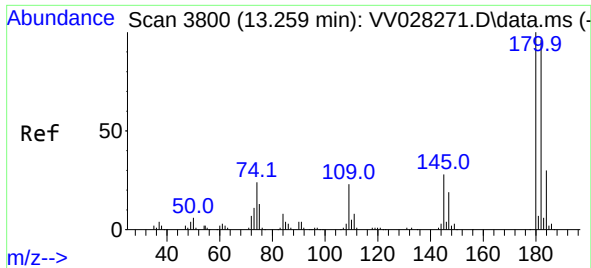
Ion Ratio Lower Upper

75 100

77 33.3 26.7 40.1

110 2.8 30.1 45.1#

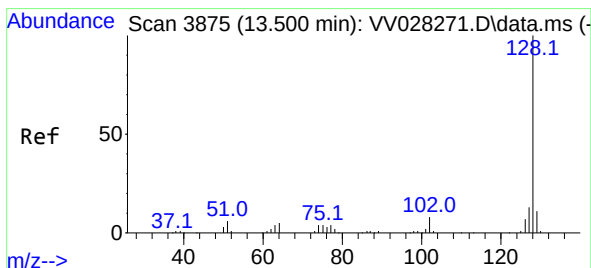
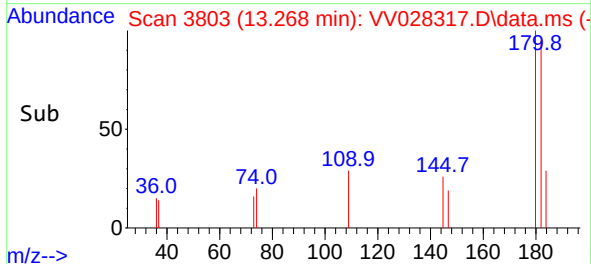
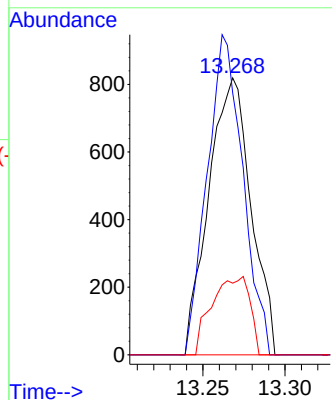
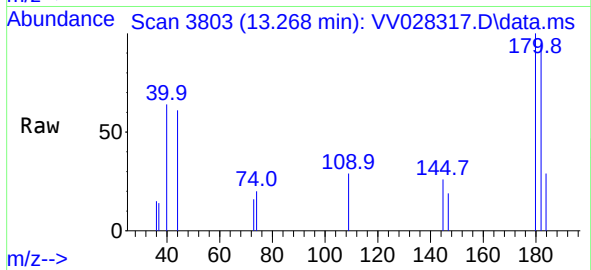




#70
1,2,4-trichlorobenzene
Concen: 0.069 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.010 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

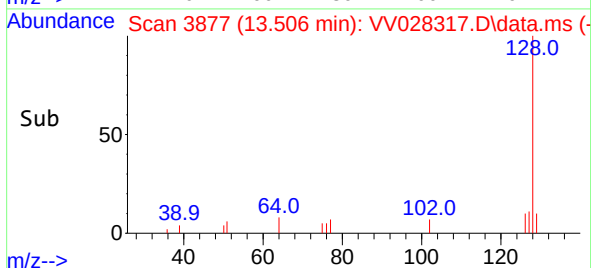
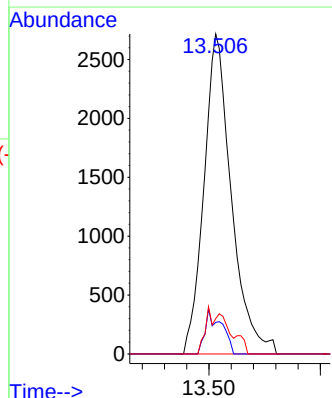
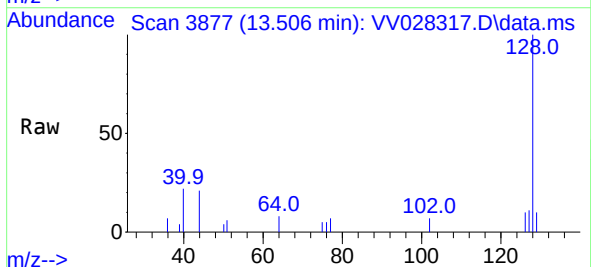
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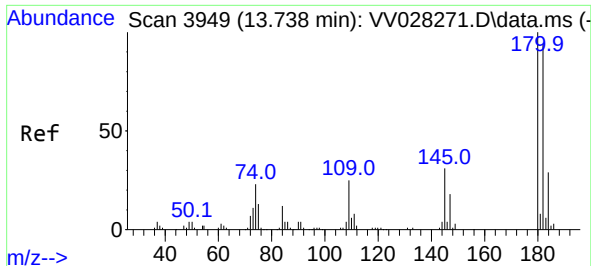
Tgt Ion:180 Resp: 1467
Ion Ratio Lower Upper
180 100
182 97.3 76.3 114.5
145 25.3 22.9 34.3



#71
Naphthalene
Concen: 0.140 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.006 min
Lab File: VV028317.D
Acq: 04 Oct 2022 09:55

Tgt Ion:128 Resp: 4637
Ion Ratio Lower Upper
128 100
129 0.0 8.2 12.2#
127 6.8 10.4 15.6#





#72

1,2,3-Trichlorobenzene

Concen: 0.072 ug/L

RT: 13.744 min Scan# 3949

Delta R.T. 0.003 min

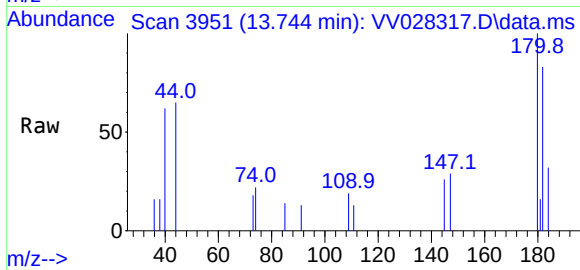
Lab File: VV028317.D

Acq: 04 Oct 2022 09:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 1367

Ion Ratio Lower Upper

180 100

182 99.2 77.4 116.0

145 29.0 24.6 36.8

