

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111422\
 Data File : VV028942.D
 Acq On : 14 Nov 2022 16:47
 Operator : SY/MD
 Sample : N5592-14DL 4X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AB9DL

Quant Time: Nov 15 00:05:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 00:01:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	268703	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	248826	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	116780	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	61124	3.731	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.600%
7) Chloroethane-d5	1.568	69	61229	4.252	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.108	63	95000	3.182	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.600%
20) 2-Butanone-d5	3.886	46	149700	54.591	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.180%
24) Chloroform-d	4.342	84	153685	4.570	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.030	65	74073	4.895	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.047	84	321050	4.323	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.066	67	94795	4.571	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.400%
41) Toluene-d8	7.313	98	283287	4.237	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	7.622	79	29226	4.321	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.085	63	127809	44.267	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.540%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	63402	4.409	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	11.619	152	99206	4.748	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%

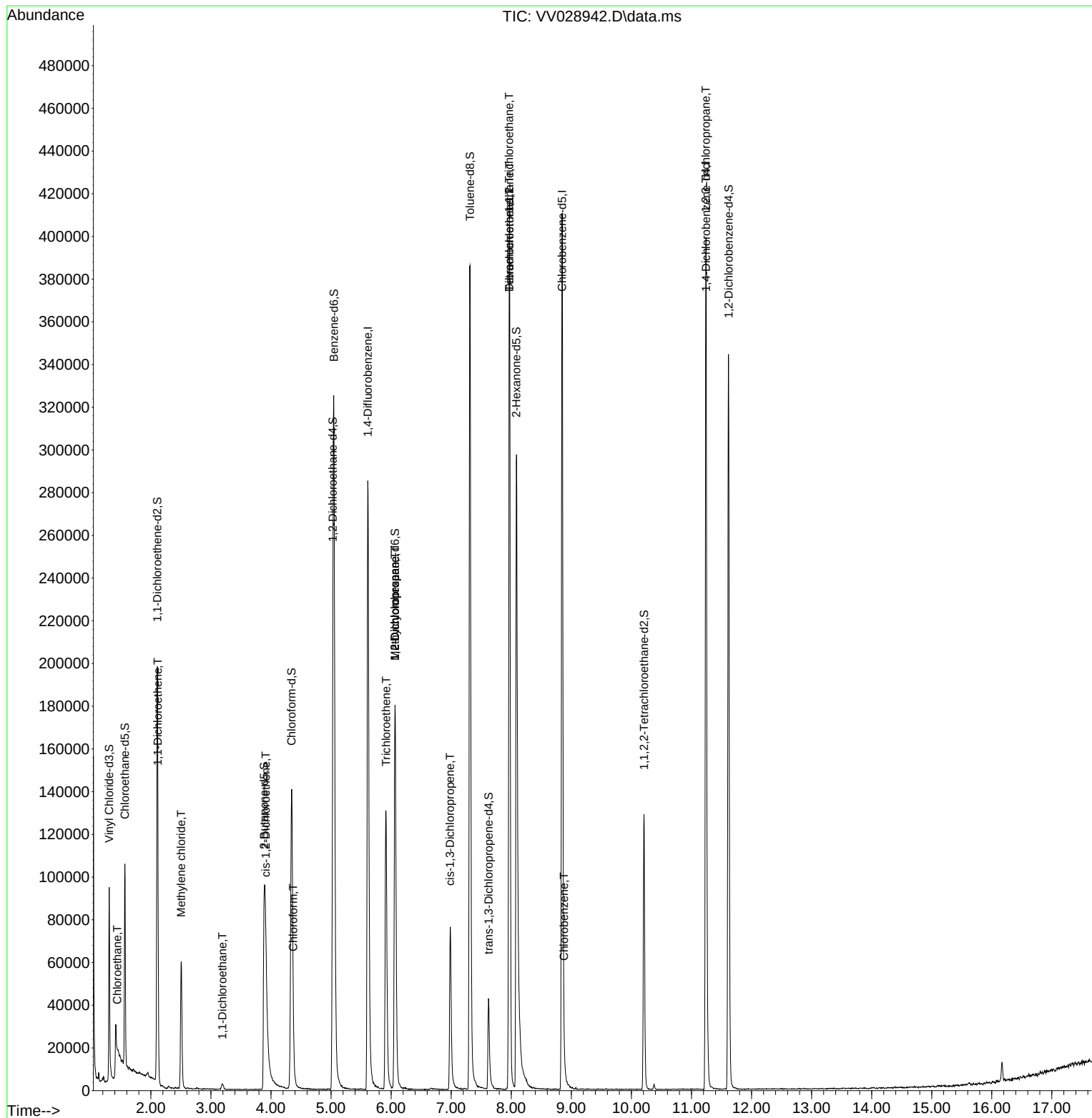
Target Compounds				Qvalue		
8) Chloroethane	1.439	64	18110	1.453	ug/L #	51
12) 1,1-Dichloroethene	2.117	96	8887	0.546	ug/L #	1
16) Methylene chloride	2.506	84	27142	1.290	ug/L	95
19) 1,1-Dichloroethane	3.191	63	3094	0.100	ug/L #	82
22) cis-1,2-Dichloroethene	3.912	96	13744	0.717	ug/L	86
25) Chloroform	4.371	83	2592	0.080	ug/L	88
34) Trichloroethene	5.915	95	50932	2.616	ug/L	96
35) Methylcyclohexane	6.066	83	24382	0.713	ug/L #	22
37) 1,2-Dichloropropane	6.066	63	10139	0.578	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2052	0.084	ug/L #	77
45) 1,1,2-Trichloroethane	7.966	97	726	0.063	ug/L #	1
47) Tetrachloroethene	7.969	164	96342	6.181	ug/L	98
49) Dibromochloromethane	7.969	129	86589	6.240	ug/L #	10
51) Chlorobenzene	8.876	112	2623	0.052	ug/L	96
61) 1,2,3-Trichloropropane	11.239	75	12995	1.628	ug/L #	64

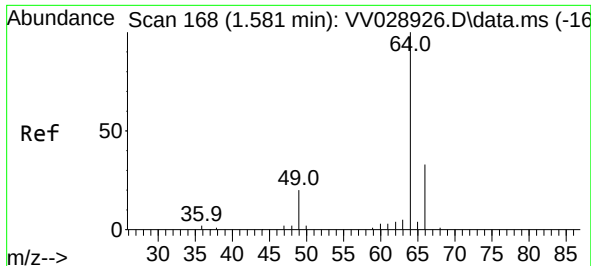
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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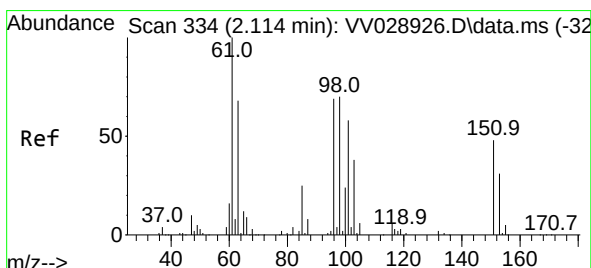
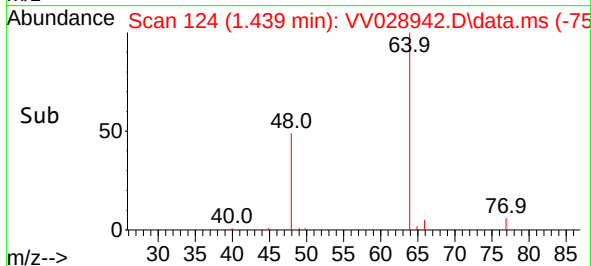
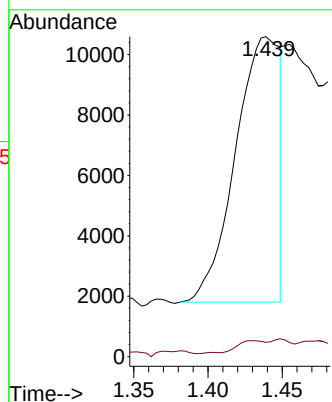
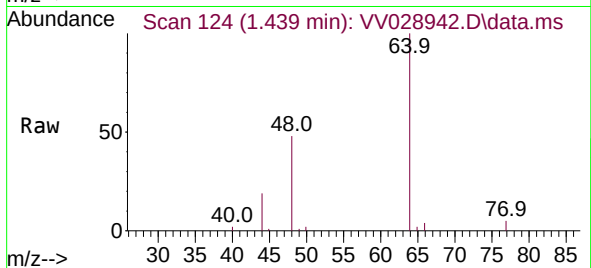




#8
Chloroethane
Concen: 1.453 ug/L
RT: 1.439 min Scan# 11
Delta R.T. -0.142 min
Lab File: VV028942.D
Acq: 14 Nov 2022 16:47

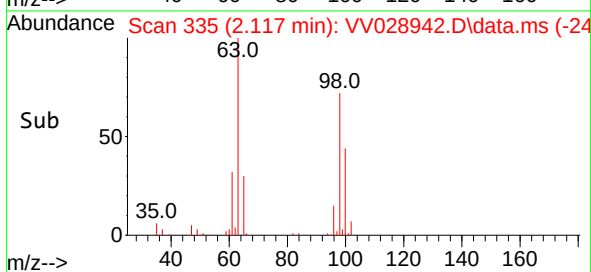
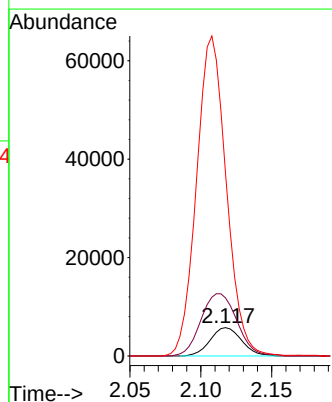
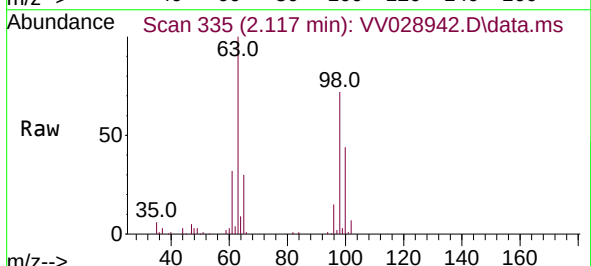
Instrument :
MSVOA_V
ClientSampleId :
H0AB9DL

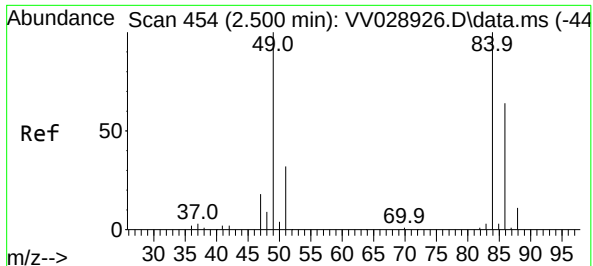
Tgt Ion: 64 Resp: 18110
Ion Ratio Lower Upper
64 100
66 4.5 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 0.546 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV028942.D
Acq: 14 Nov 2022 16:47

Tgt Ion: 96 Resp: 8887
Ion Ratio Lower Upper
96 100
61 204.8 104.2 193.4#
63 645.3 75.9 140.9#

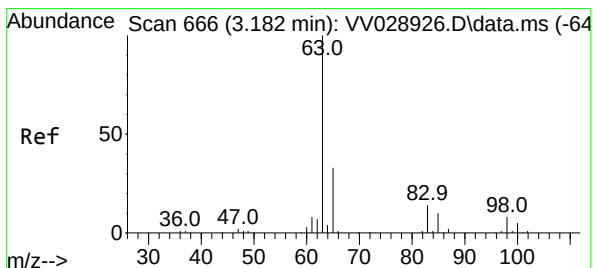
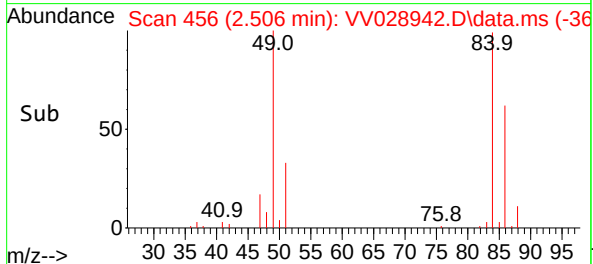
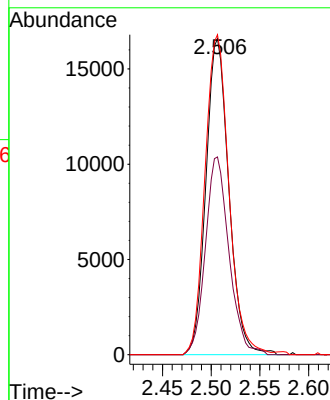
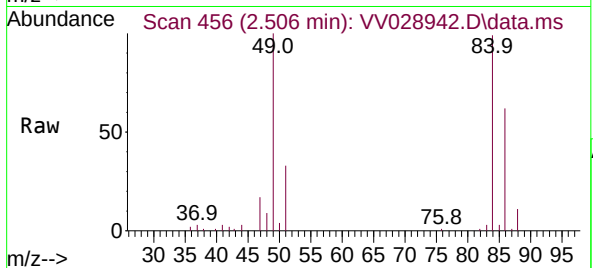




#16
Methylene chloride
Concen: 1.290 ug/L
RT: 2.506 min Scan# 411
Delta R.T. 0.006 min
Lab File: VV028942.D
Acq: 14 Nov 2022 16:47

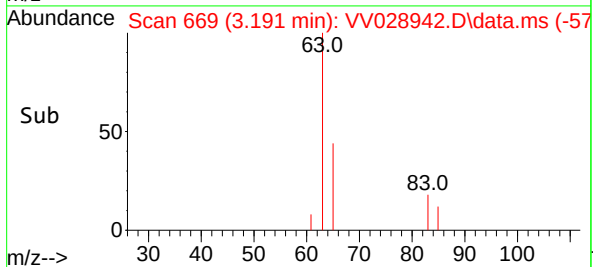
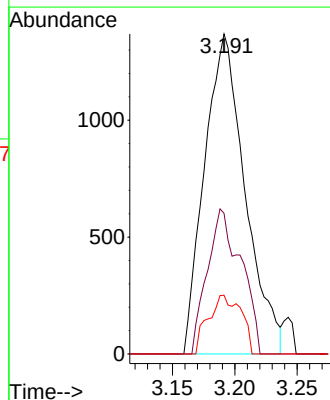
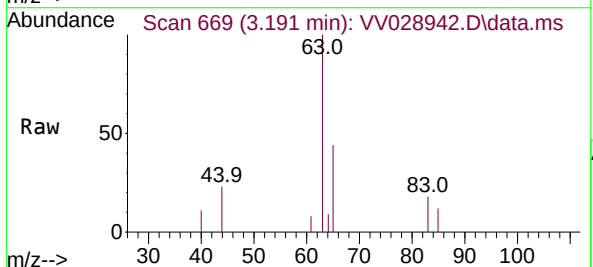
Instrument :
MSVOA_V
ClientSampleId :
H0AB9DL

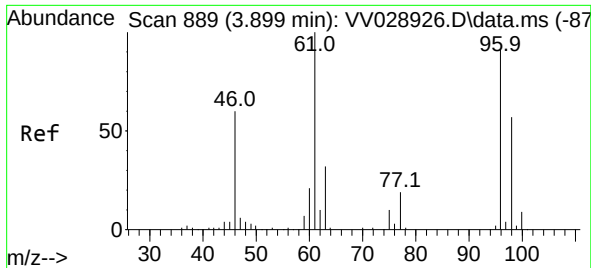
Tgt Ion: 84 Resp: 27142
Ion Ratio Lower Upper
84 100
86 62.6 45.8 85.0
49 101.3 75.5 140.1



#19
1,1-Dichloroethane
Concen: 0.100 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.009 min
Lab File: VV028942.D
Acq: 14 Nov 2022 16:47

Tgt Ion: 63 Resp: 3094
Ion Ratio Lower Upper
63 100
65 44.0 23.0 42.6#
83 18.3 9.4 17.6#

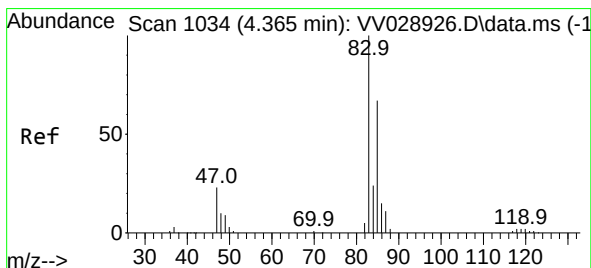
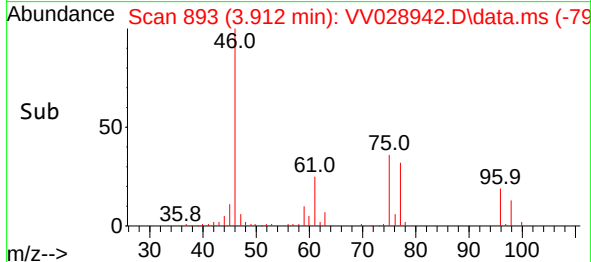
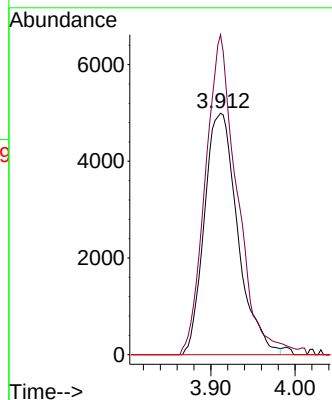
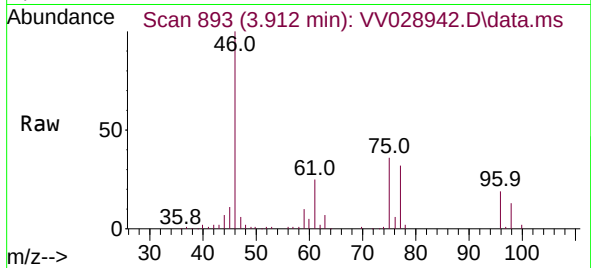




#22
 cis-1,2-Dichloroethene
 Concen: 0.717 ug/L
 RT: 3.912 min Scan# 89
 Delta R.T. 0.013 min
 Lab File: VV028942.D
 Acq: 14 Nov 2022 16:47

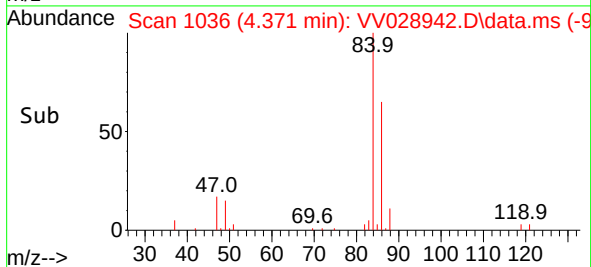
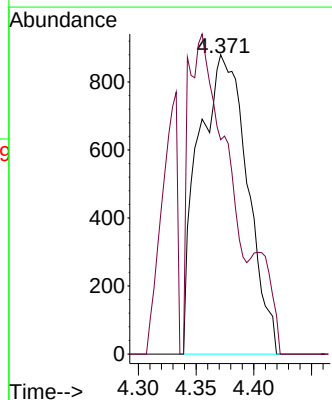
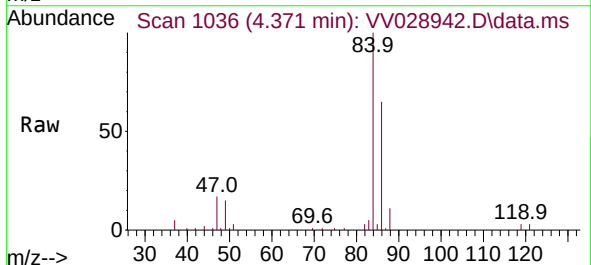
Instrument :
 MSVOA_V
 ClientSampleId :
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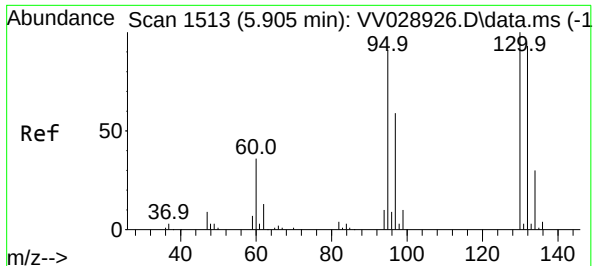
Tgt Ion: 96 Resp: 13744
 Ion Ratio Lower Upper
 96 100
 61 132.5 82.3 152.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.080 ug/L
 RT: 4.371 min Scan# 1036
 Delta R.T. 0.006 min
 Lab File: VV028942.D
 Acq: 14 Nov 2022 16:47

Tgt Ion: 83 Resp: 2592
 Ion Ratio Lower Upper
 83 100
 85 71.6 43.7 81.1



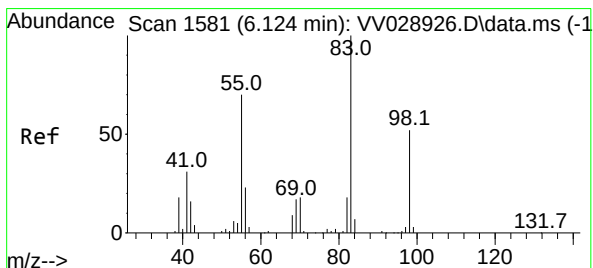
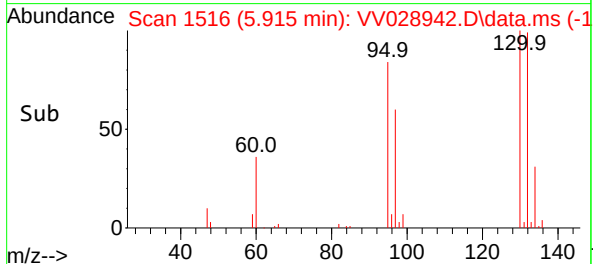
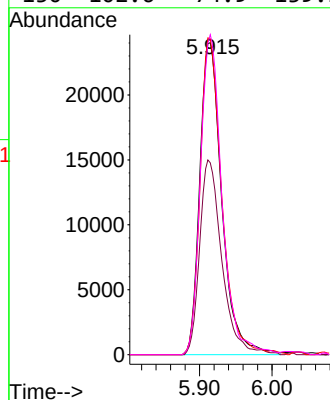
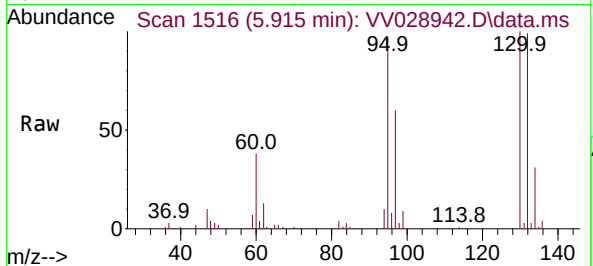


#34
Trichloroethene
Concen: 2.616 ug/L
RT: 5.915 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV028942.D
Acq: 14 Nov 2022 16:47

Instrument :
MSVOA_V
ClientSampleId :
H0AB9DL

Tgt Ion: 95 Resp: 50932

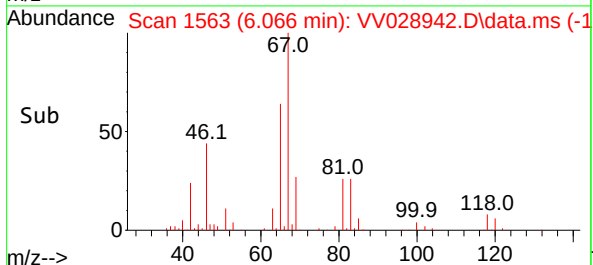
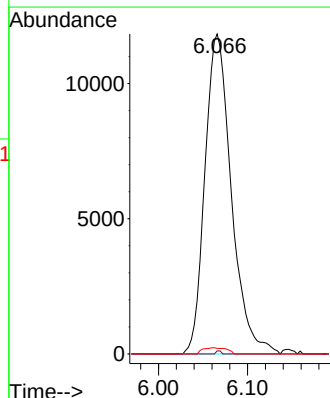
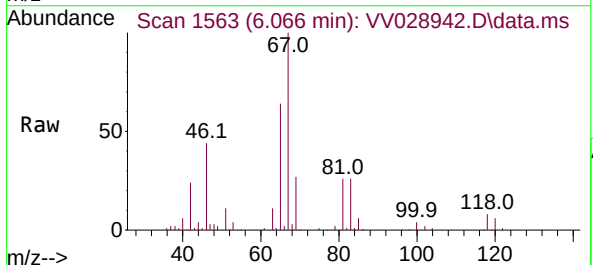
Ion	Ratio	Lower	Upper
95	100		
97	61.5	45.6	84.8
132	101.3	69.1	128.3
130	102.6	74.9	139.1

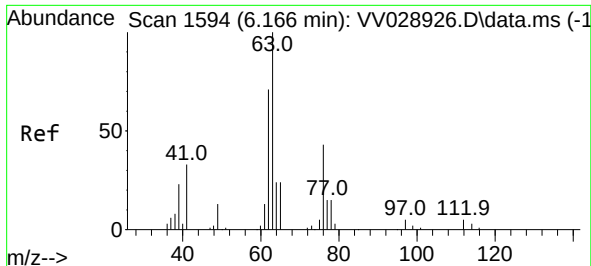


#35
Methylcyclohexane
Concen: 0.713 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV028942.D
Acq: 14 Nov 2022 16:47

Tgt Ion: 83 Resp: 24382

Ion	Ratio	Lower	Upper
83	100		
55	0.2	55.8	83.6#
98	1.8	38.2	57.2#





#37

1,2-Dichloropropane

Concen: 0.578 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV028942.D

Acq: 14 Nov 2022 16:47

Instrument :

MSVOA_V

ClientSampleId :

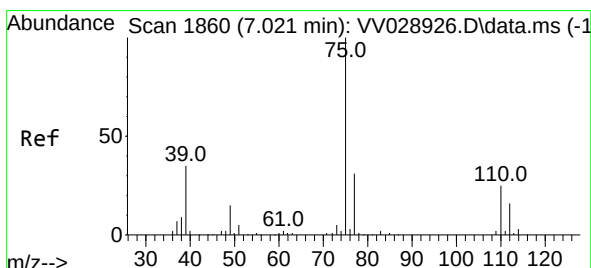
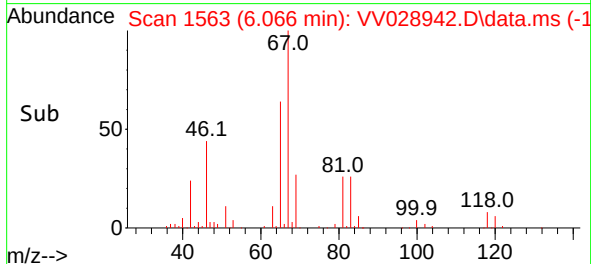
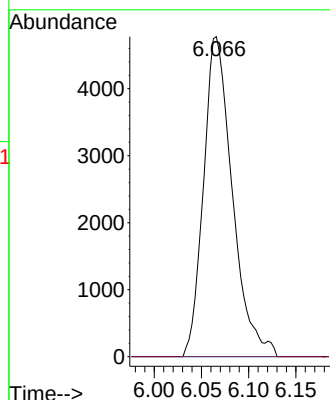
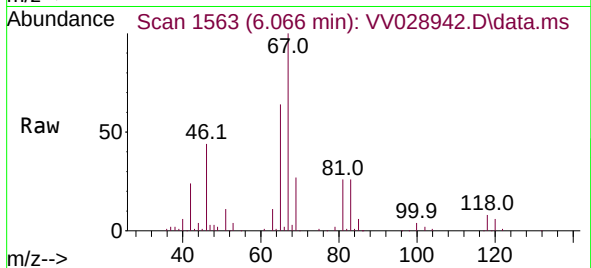
H0AB9DL

Tgt Ion: 63 Resp: 10139

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.039 min

Lab File: VV028942.D

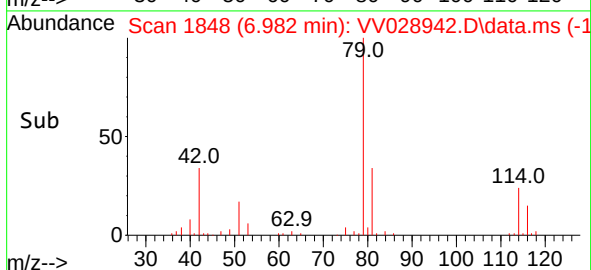
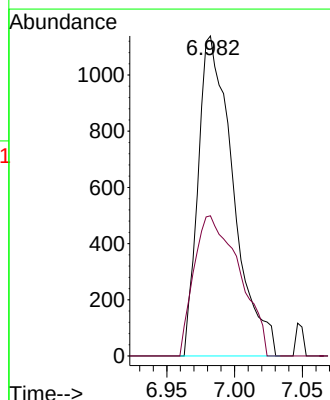
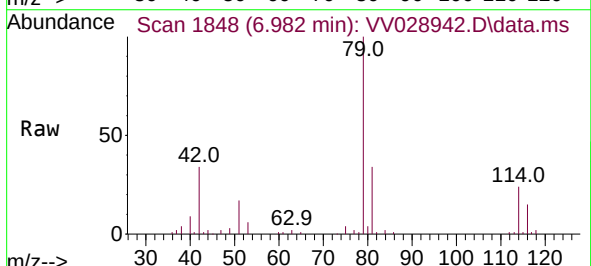
Acq: 14 Nov 2022 16:47

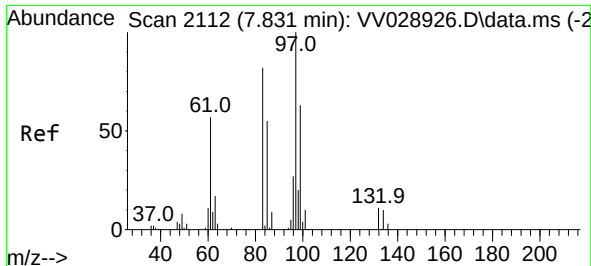
Tgt Ion: 75 Resp: 2052

Ion Ratio Lower Upper

75 100

77 43.8 21.8 40.6#





#45

1,1,2-Trichloroethane

Concen: 0.063 ug/L

RT: 7.966 min Scan# 2112

Delta R.T. 0.135 min

Lab File: VV028942.D

Acq: 14 Nov 2022 16:47

Instrument :

MSVOA_V

ClientSampleId :

H0AB9DL

Tgt Ion: 97 Resp: 726

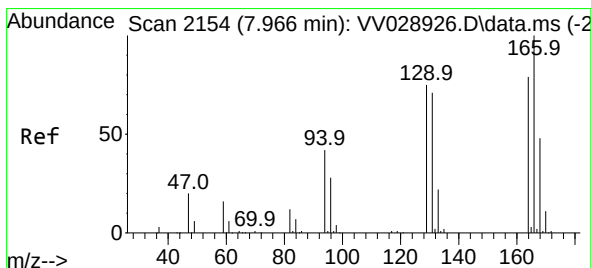
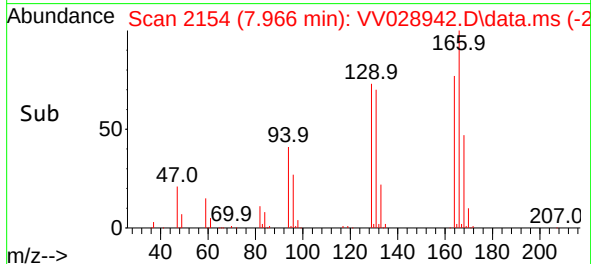
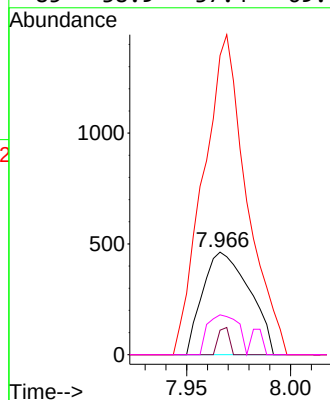
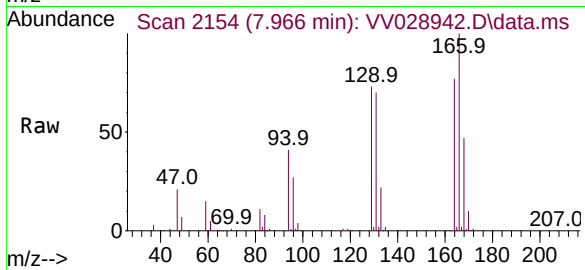
Ion Ratio Lower Upper

97 100

99 24.0 41.5 77.1#

83 291.6 60.0 111.4#

85 38.9 37.4 69.4



#47

Tetrachloroethene

Concen: 6.181 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV028942.D

Acq: 14 Nov 2022 16:47

Tgt Ion:164 Resp: 96342

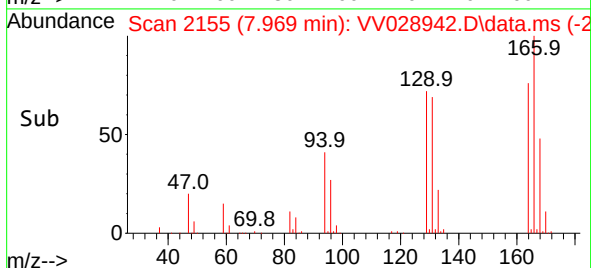
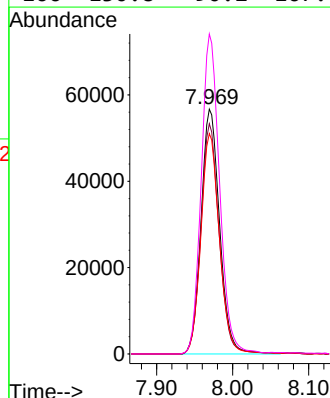
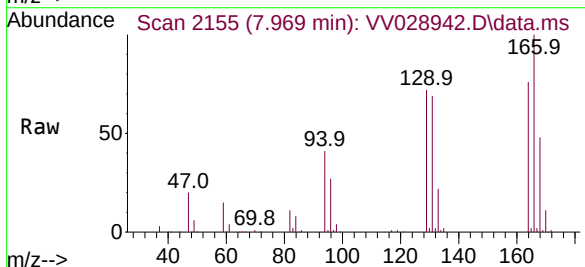
Ion Ratio Lower Upper

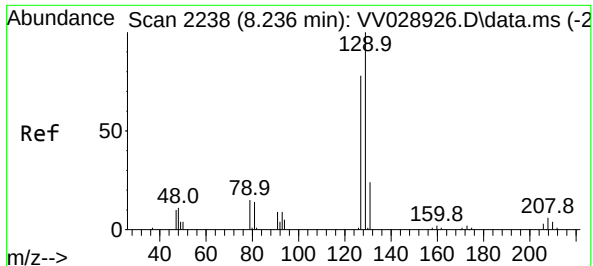
164 100

129 94.1 63.9 118.7

131 90.0 61.8 114.8

166 130.8 90.2 167.4





#49

Dibromochloromethane

Concen: 6.240 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV028942.D

Acq: 14 Nov 2022 16:47

Instrument :

MSVOA_V

ClientSampleId :

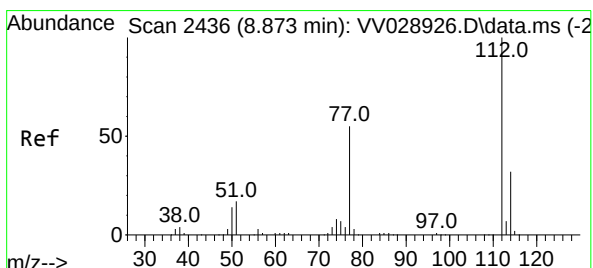
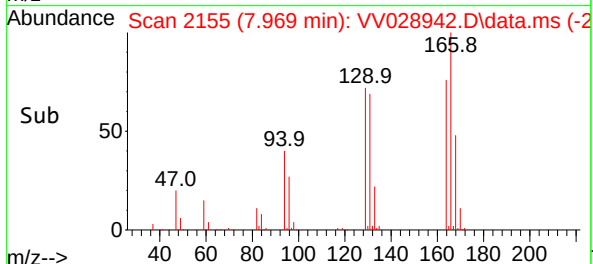
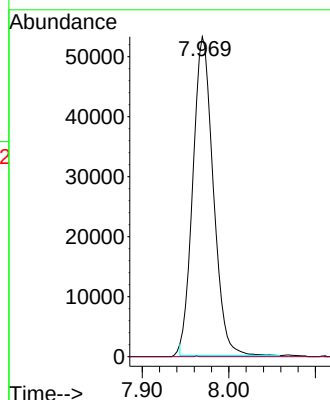
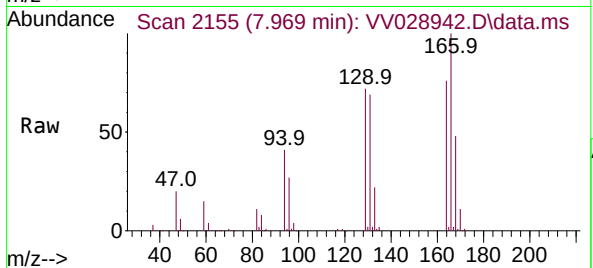
H0AB9DL

Tgt Ion:129 Resp: 86589

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#51

Chlorobenzene

Concen: 0.052 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.003 min

Lab File: VV028942.D

Acq: 14 Nov 2022 16:47

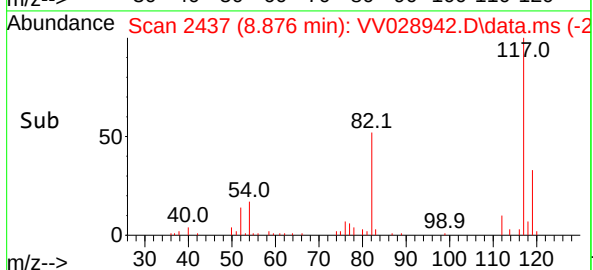
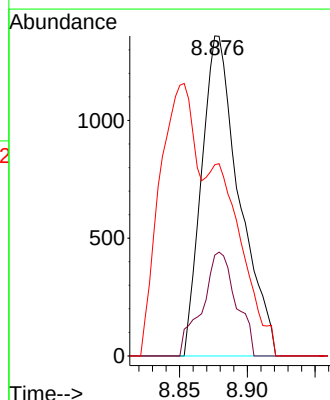
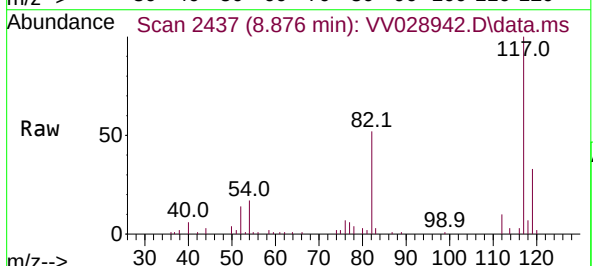
Tgt Ion:112 Resp: 2623

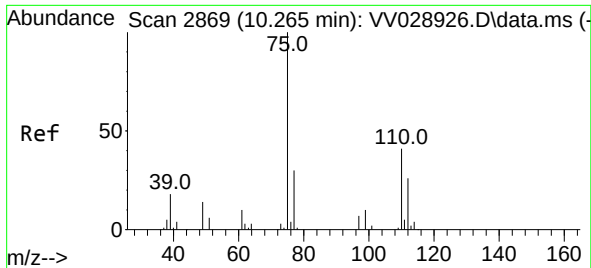
Ion Ratio Lower Upper

112 100

114 31.5 22.4 41.6

77 59.7 44.4 66.6





#61

1,2,3-Trichloropropane

Concen: 1.628 ug/L

RT: 11.239 min Scan# 31

Delta R.T. 0.974 min

Lab File: VV028942.D

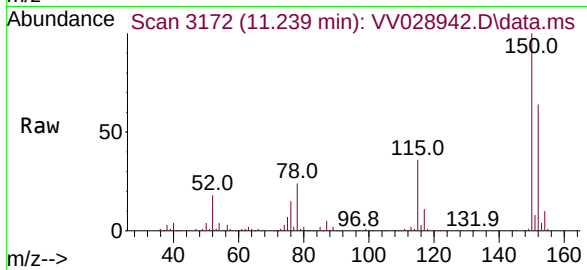
Acq: 14 Nov 2022 16:47

Instrument :

MSVOA_V

ClientSampleId :

H0AB9DL



Tgt Ion: 75 Resp: 12995

Ion Ratio Lower Upper

75 100

77 29.9 26.2 39.2

110 2.5 32.6 48.8#

