

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092722\
 Data File : VW028146.D
 Acq On : 27 Sep 2022 17:54
 Operator : SY/MD
 Sample : N4856-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5H34

Quant Time: Sep 28 03:13:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 28 03:08:11 2022
 Response via : Initial Calibration

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

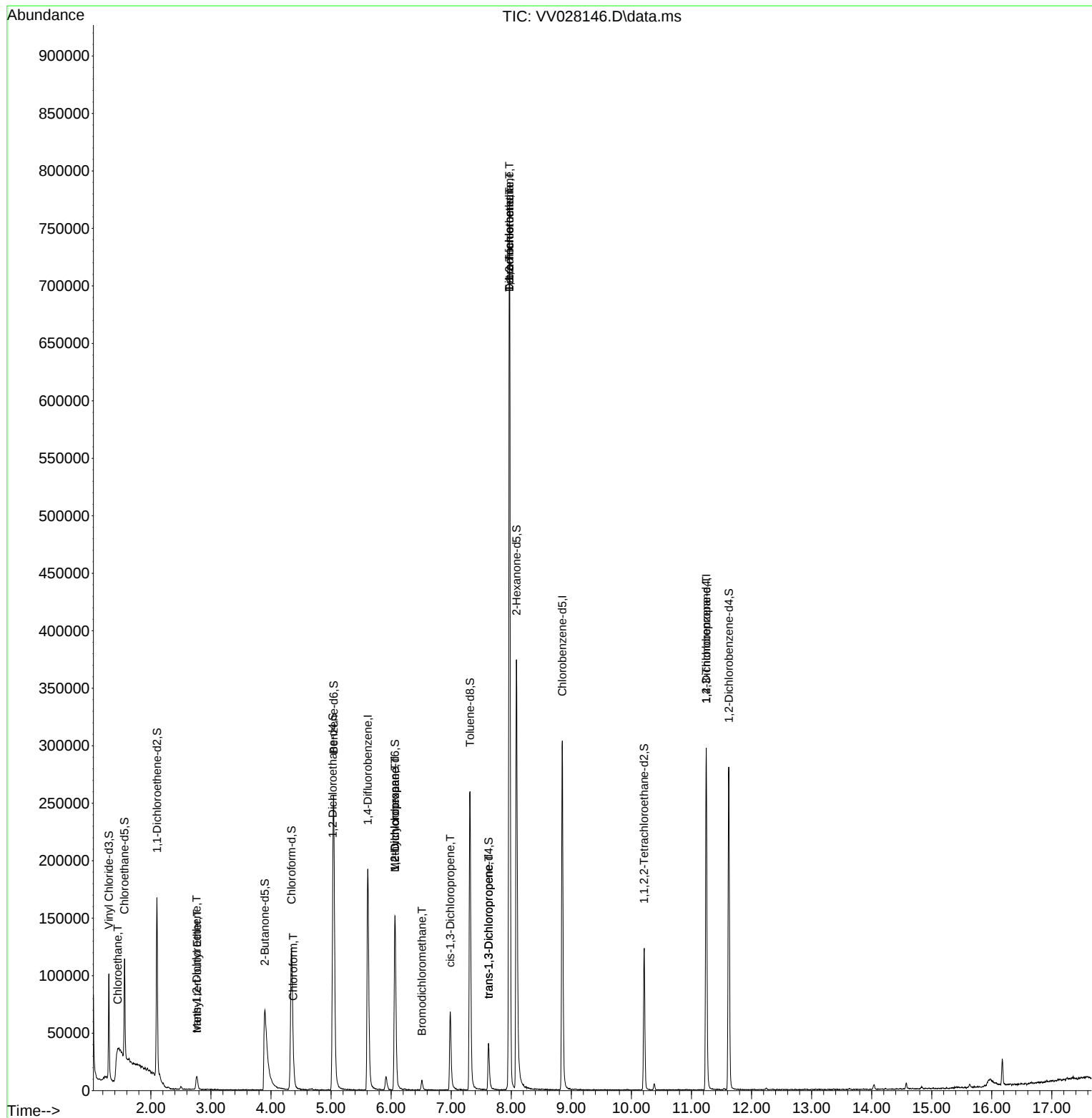
Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	175788	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	176881	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	84699	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	58361	3.202	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.000%
7) Chloroethane-d5	1.561	69	55106	3.803	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.000%
11) 1,1-Dichloroethene-d2	2.101	63	78638	2.488	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.800%#
20) 2-Butanone-d5	3.899	46	172326	56.009	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.020%
24) Chloroform-d	4.342	84	129134	4.440	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.027	65	63927	4.620	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.043	84	237271	4.091	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	6.063	67	77478	4.285	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.313	98	183705	3.499	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.000%
43) trans-1,3-Dichloroprop...	7.622	79	25819	3.953	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.088	63	144169	52.888	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.780%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	58792	4.757	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	77842	4.686	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
8) Chloroethane	1.449	64	42739	4.675	ug/L #	51
17) Methyl tert-butyl Ether	2.770	73	9156	0.350	ug/L	94
18) trans-1,2-Dichloroethene	2.760	96	1322	0.124	ug/L #	71
25) Chloroform	4.371	83	12157	0.488	ug/L	96
35) Methylcyclohexane	6.066	83	19209	1.146	ug/L #	16
37) 1,2-Dichloropropane	6.063	63	8334	0.605	ug/L #	87
38) Bromodichloromethane	6.513	83	6049	0.356	ug/L	95
39) cis-1,3-Dichloropropene	6.985	75	1734	0.101	ug/L #	32
44) trans-1,3-Dichloropropene	7.622	75	1069	0.073	ug/L #	59
45) 1,1,2-Trichloroethane	7.969	97	1428	0.155	ug/L #	1
47) Tetrachloroethene	7.969	164	178895	18.330	ug/L	97
49) Dibromochloromethane	7.969	129	156982	14.145	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	8302	1.169	ug/L #	67

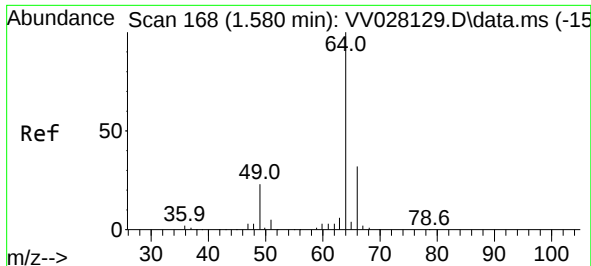
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 4.675 ug/L

RT: 1.449 min Scan# 11

Delta R.T. -0.132 min

Lab File: VV028146.D

Acq: 27 Sep 2022 17:54

Instrument :

MSVOA_V

ClientSampleId :

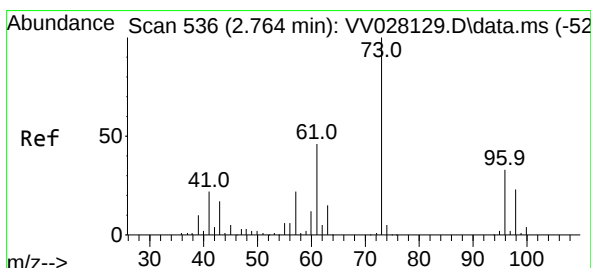
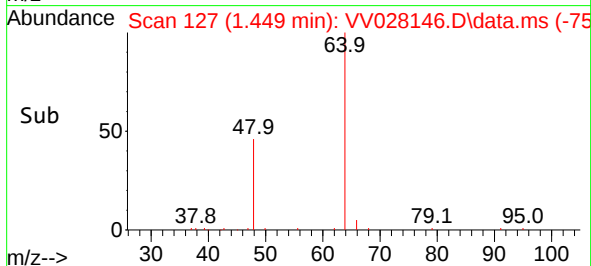
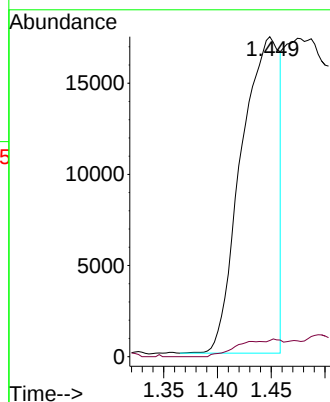
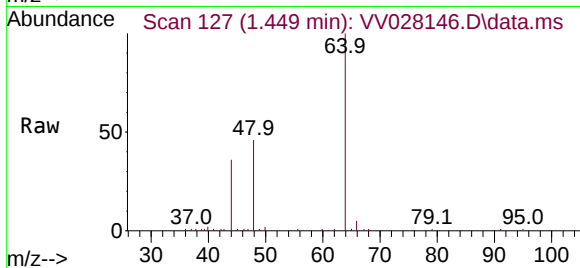
F5H34

Tgt Ion: 64 Resp: 42739

Ion Ratio Lower Upper

64 100

66 5.1 23.0 42.8#



#17

Methyl tert-butyl Ether

Concen: 0.350 ug/L

RT: 2.770 min Scan# 538

Delta R.T. 0.006 min

Lab File: VV028146.D

Acq: 27 Sep 2022 17:54

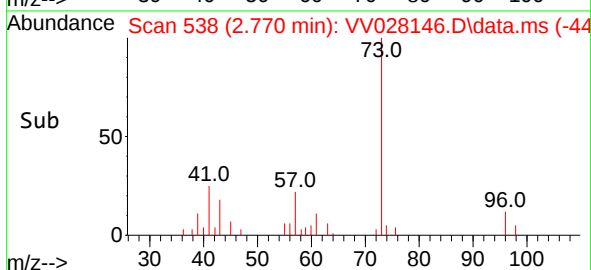
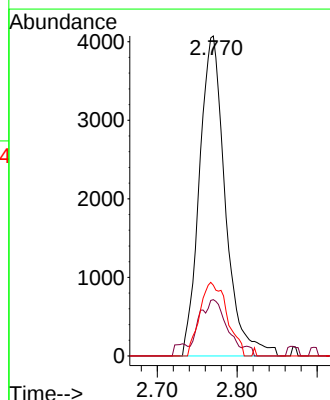
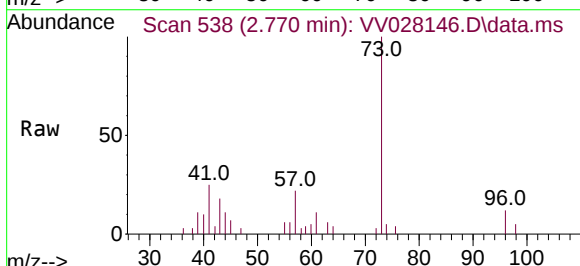
Tgt Ion: 73 Resp: 9156

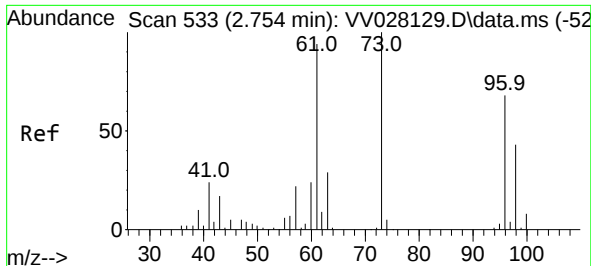
Ion Ratio Lower Upper

73 100

43 15.7 15.7 23.5

57 24.2 17.8 26.8

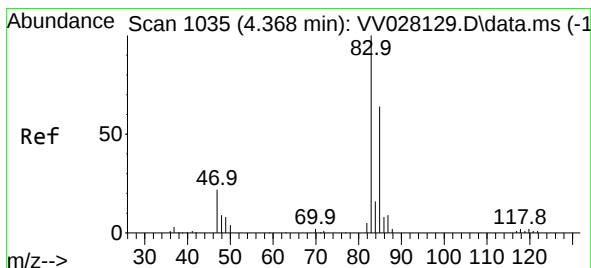
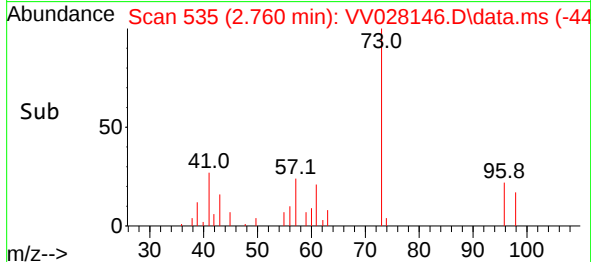
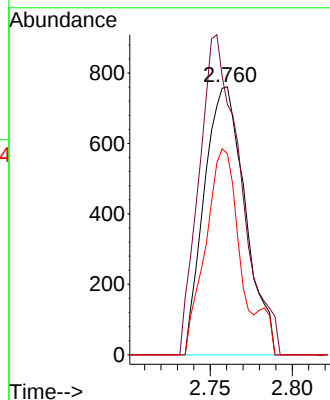
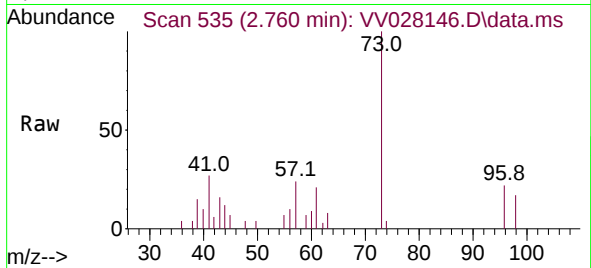




#18
trans-1,2-Dichloroethene
Concen: 0.124 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV028146.D
Acq: 27 Sep 2022 17:54

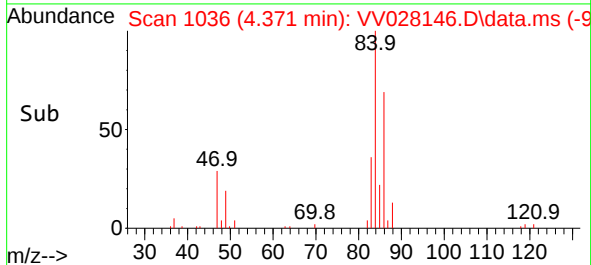
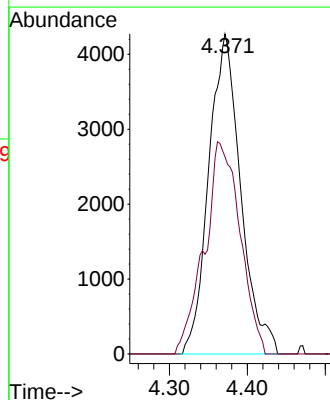
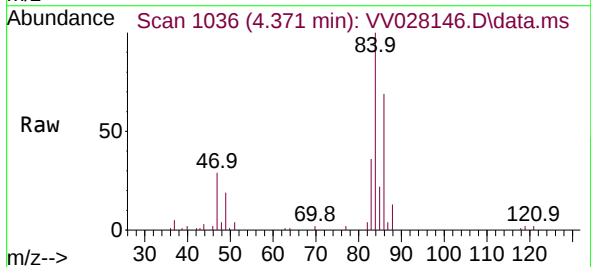
Instrument :
MSVOA_V
ClientSampleId :
F5H34

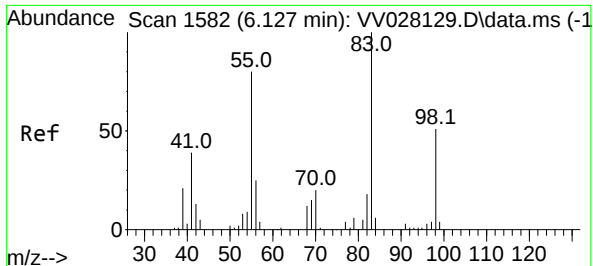
Tgt Ion: 96 Resp: 1322
Ion Ratio Lower Upper
96 100
61 93.4 96.2 178.6#
98 75.0 45.7 84.9



#25
Chloroform
Concen: 0.488 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VV028146.D
Acq: 27 Sep 2022 17:54

Tgt Ion: 83 Resp: 12157
Ion Ratio Lower Upper
83 100
85 61.6 45.1 83.7





#35

Methylcyclohexane

Concen: 1.146 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV028146.D

Acq: 27 Sep 2022 17:54

Instrument :

MSVOA_V

ClientSampleId :

F5H34

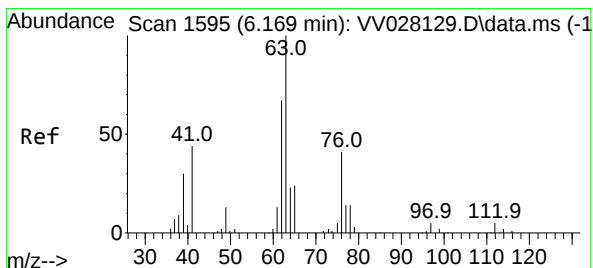
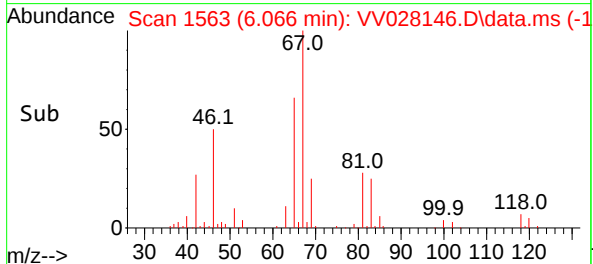
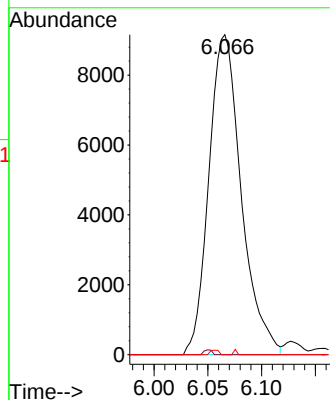
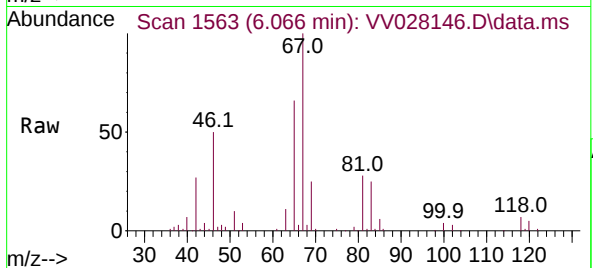
Tgt Ion: 83 Resp: 19209

Ion Ratio Lower Upper

83 100

55 0.0 64.7 97.1#

98 0.2 39.5 59.3#



#37

1,2-Dichloropropane

Concen: 0.605 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.106 min

Lab File: VV028146.D

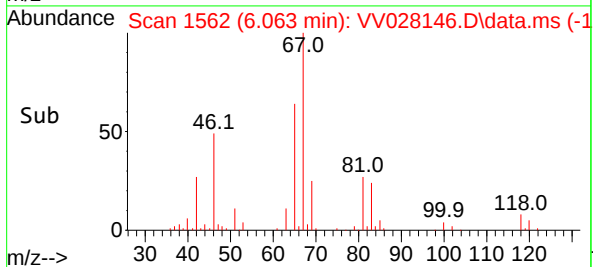
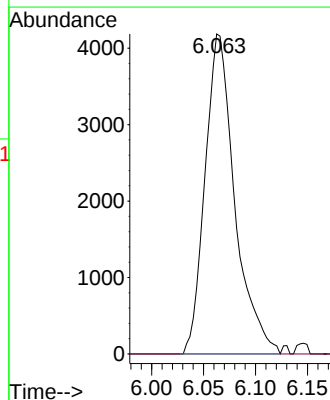
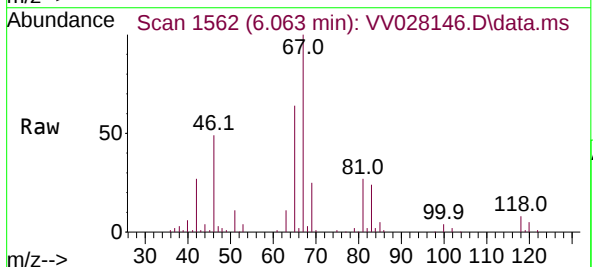
Acq: 27 Sep 2022 17:54

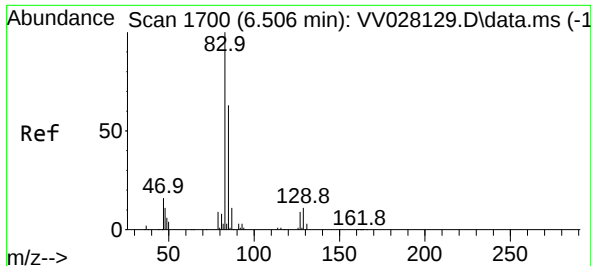
Tgt Ion: 63 Resp: 8334

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#





#38

Bromodichloromethane

Concen: 0.356 ug/L

RT: 6.513 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV028146.D

Acq: 27 Sep 2022 17:54

Instrument :

MSVOA_V

ClientSampleId :

F5H34

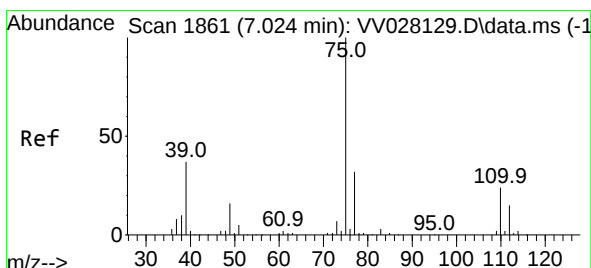
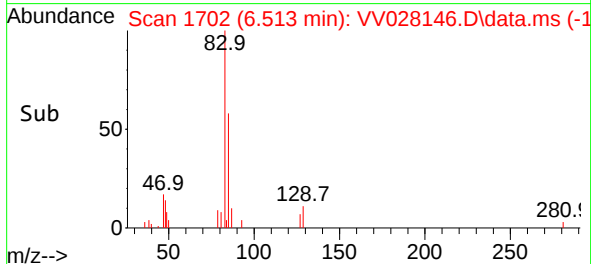
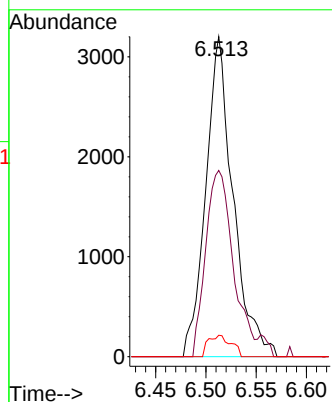
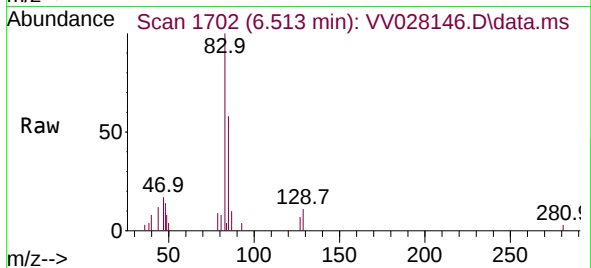
Tgt Ion: 83 Resp: 6049

Ion Ratio Lower Upper

83 100

85 58.2 43.8 81.4

127 6.7 6.3 9.5



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.039 min

Lab File: VV028146.D

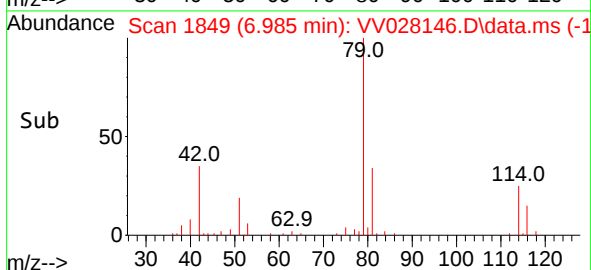
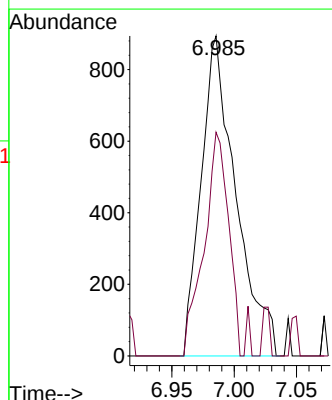
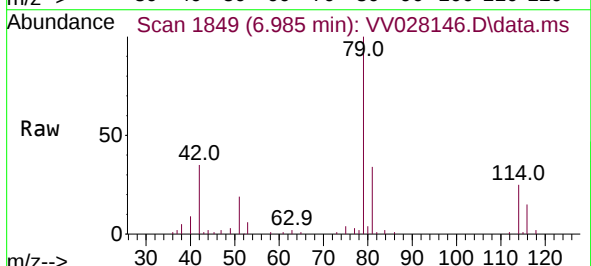
Acq: 27 Sep 2022 17:54

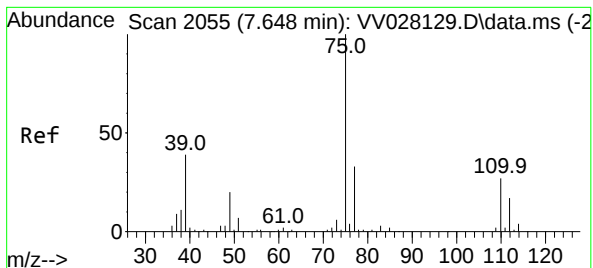
Tgt Ion: 75 Resp: 1734

Ion Ratio Lower Upper

75 100

77 69.9 22.4 41.6#





#44

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.622 min Scan# 2055

Delta R.T. -0.026 min

Lab File: VV028146.D

Acq: 27 Sep 2022 17:54

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ClientSampleId :

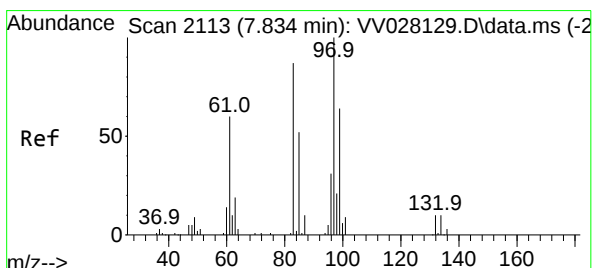
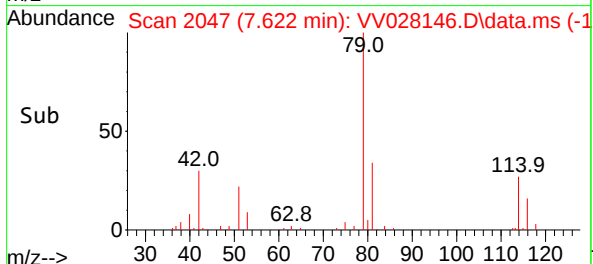
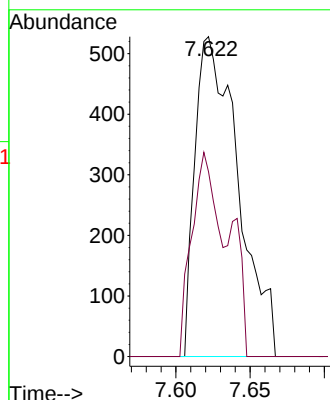
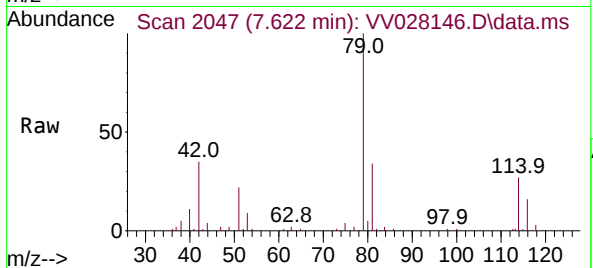
F5H34

Tgt Ion: 75 Resp: 1069

Ion Ratio Lower Upper

75 100

77 57.8 23.9 44.3#



#45

1,1,2-Trichloroethane

Concen: 0.155 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.135 min

Lab File: VV028146.D

Acq: 27 Sep 2022 17:54

Tgt Ion: 97 Resp: 1428

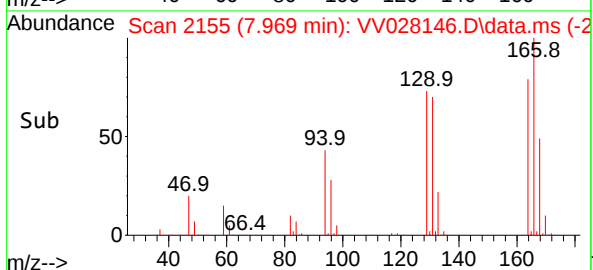
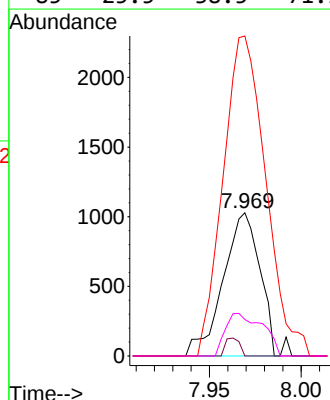
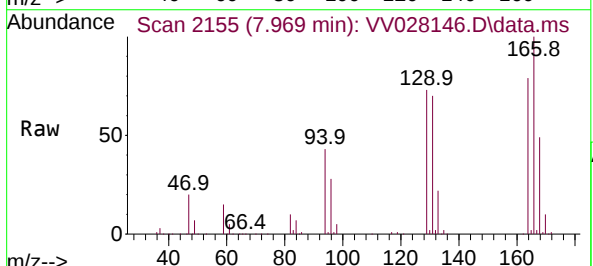
Ion Ratio Lower Upper

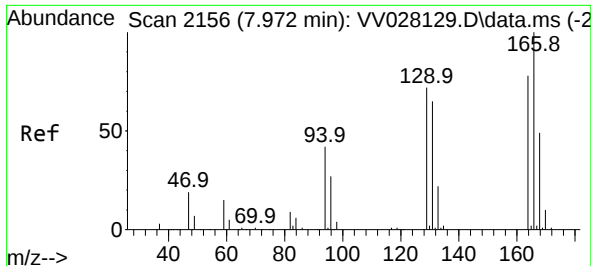
97 100

99 0.0 43.2 80.2#

83 223.5 59.1 109.9#

85 25.5 38.5 71.5#

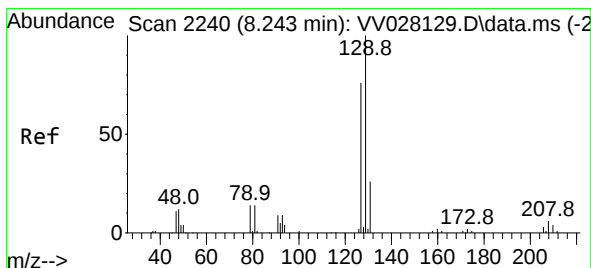
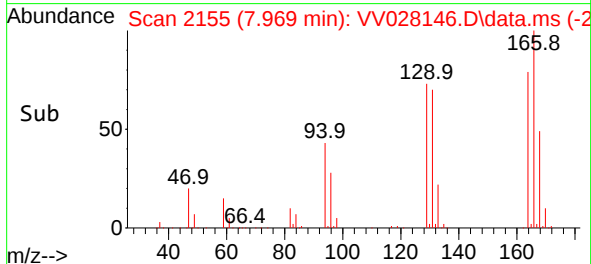
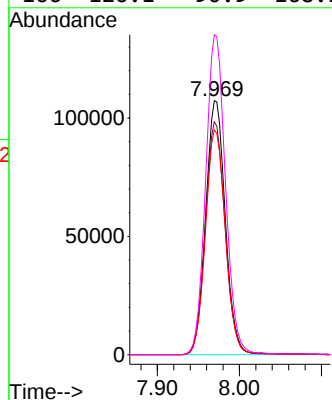
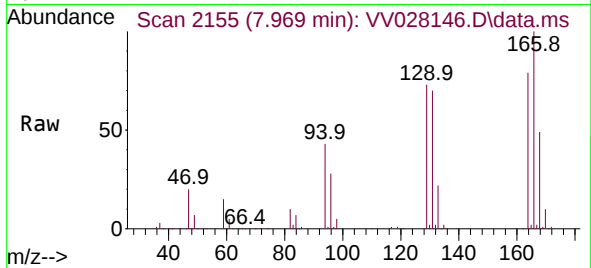




#47
Tetrachloroethene
Concen: 18.330 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VV028146.D
Acq: 27 Sep 2022 17:54

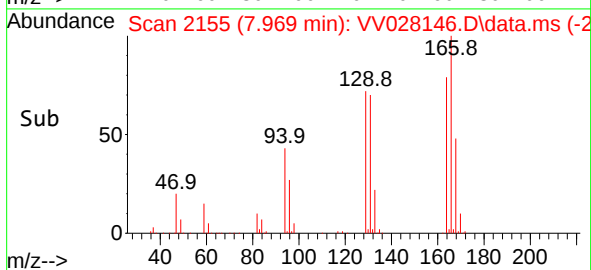
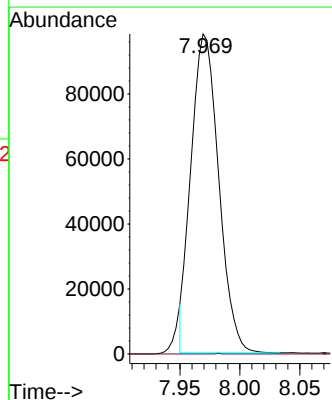
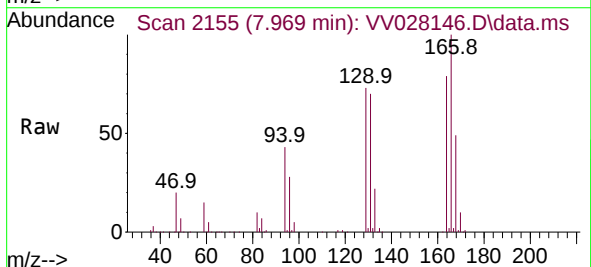
Instrument :
MSVOA_V
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F5H34

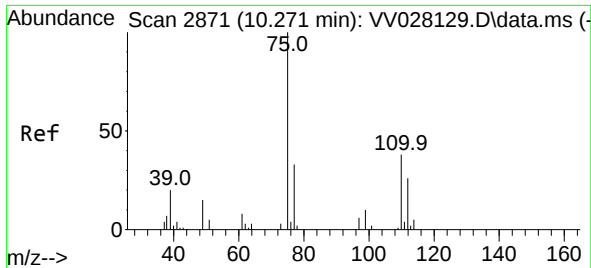
Tgt Ion:164 Resp: 178895
Ion Ratio Lower Upper
164 100
129 91.8 66.7 123.9
131 88.5 61.7 114.5
166 126.1 90.9 168.9



#49
Dibromochloromethane
Concen: 14.145 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.273 min
Lab File: VV028146.D
Acq: 27 Sep 2022 17:54

Tgt Ion:129 Resp: 156982
Ion Ratio Lower Upper
129 100
127 0.0 54.3 100.9#





#61

1,2,3-Trichloropropane

Concen: 1.169 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.974 min

Lab File: VV028146.D

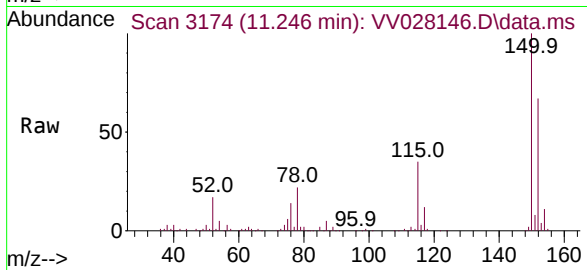
Acq: 27 Sep 2022 17:54

Instrument :

MSVOA_V

ClientSampleId :

F5H34



Tgt Ion: 75 Resp: 8302

Ion Ratio Lower Upper

75 100

77 35.0 26.7 40.1

110 1.7 30.1 45.1#

