

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082222\
 Data File : VV027465.D
 Acq On : 22 Aug 2022 14:07
 Operator : SY/MD
 Sample : N4252-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 03:12:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 23 03:03:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	115705	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	112205	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	49790	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	44042	5.348	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.000%
7) Chloroethane-d5	1.564	69	38524	6.392	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	127.800%
11) 1,1-Dichloroethene-d2	2.104	63	72772	3.790	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.800%
20) 2-Butanone-d5	3.886	46	77777	75.894	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	151.780%#
24) Chloroform-d	4.346	84	82779	5.027	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.030	65	36401	5.110	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.047	84	150789	4.852	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.069	67	45106	4.992	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.317	98	116387	4.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	7.625	79	13594	4.394	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.091	63	45356	44.536	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.080%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	27881	4.845	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	37059	5.021	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.400%
Target Compounds						Qvalue
3) Chloromethane	1.214	50	1086	0.101	ug/L #	42
5) Vinyl chloride	1.307	62	717556	66.486	ug/L	99
6) Bromomethane	1.523	94	701	0.131	ug/L	95
8) Chloroethane	1.307	64	218785	34.688	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	871	0.090	ug/L #	41
12) 1,1-Dichloroethene	2.114	96	9090	1.038	ug/L #	1
14) Carbon disulfide	2.294	76	1575	0.066	ug/L	98
18) trans-1,2-Dichloroethene	2.757	96	71121	7.886	ug/L	98
19) 1,1-Dichloroethane	3.188	63	13249	0.710	ug/L	97
22) cis-1,2-Dichloroethene	3.905	96	1881963	195.801	ug/L	100
29) 1,1,1-Trichloroethane	4.612	97	1219	0.071	ug/L #	64
34) Trichloroethene	5.911	95	82775	8.431	ug/L	97
35) Methylcyclohexane	6.066	83	11329	0.820	ug/L #	15
37) 1,2-Dichloropropane	6.066	63	5523	0.555	ug/L #	85
44) trans-1,3-Dichloropropene	7.628	75	741	0.073	ug/L	87
47) Tetrachloroethene	7.979	164	555	0.073	ug/L	82
49) Dibromochloromethane	7.982	129	642	0.082	ug/L #	9
61) 1,2,3-Trichloropropane	11.249	75	5504	1.260	ug/L #	65

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QLast Update : Tue Aug 23 03:03:07 2022
Response via : Initial Calibration

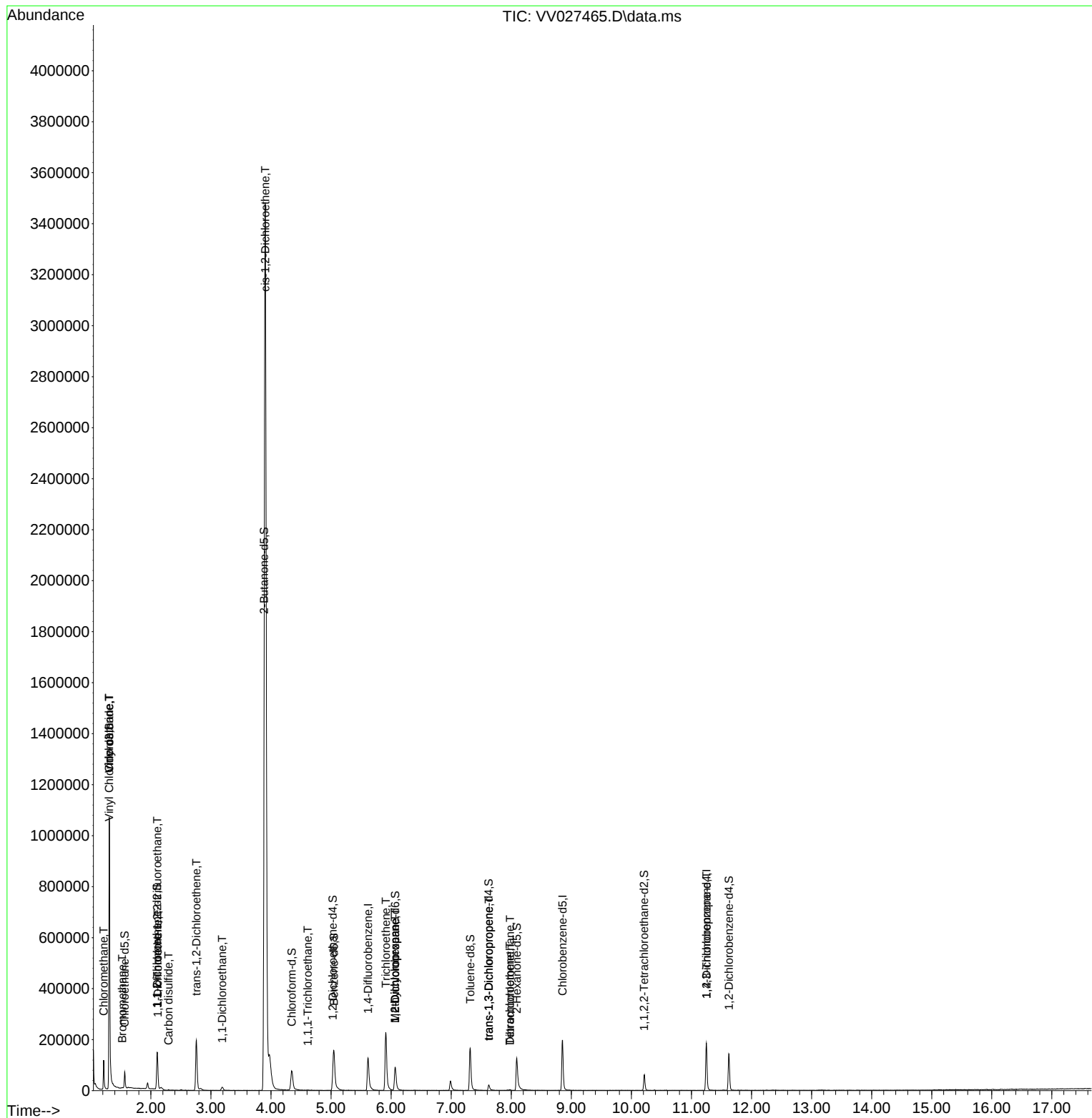
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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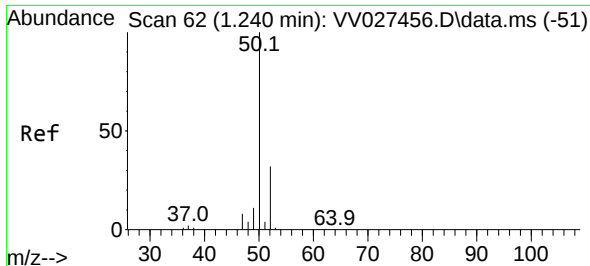
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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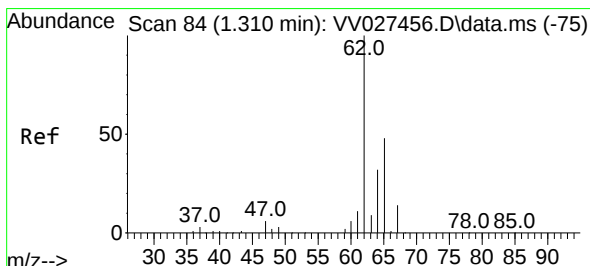
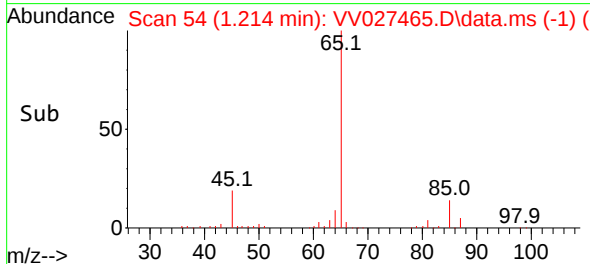
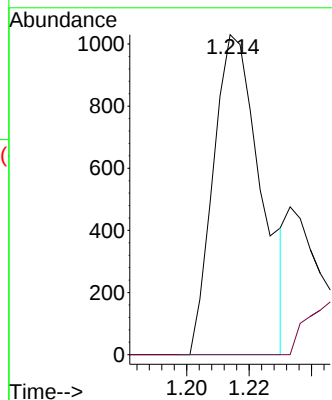
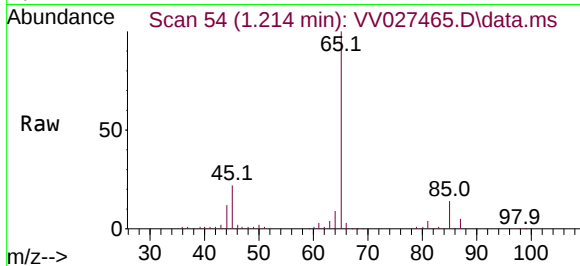




#3
Chloromethane
Concen: 0.101 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.026 min
Lab File: VV027465.D
Acq: 22 Aug 2022 14:07

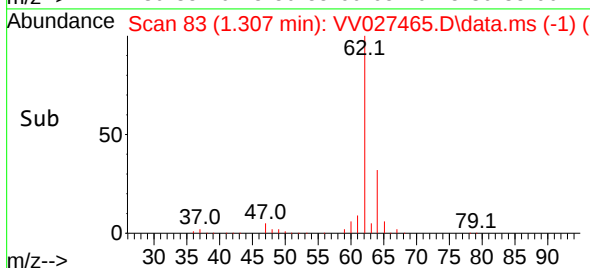
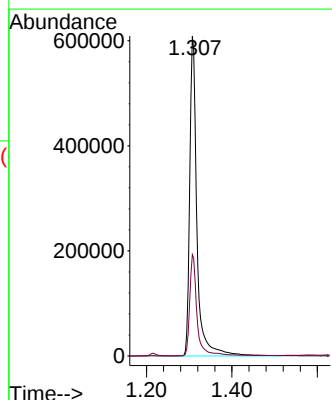
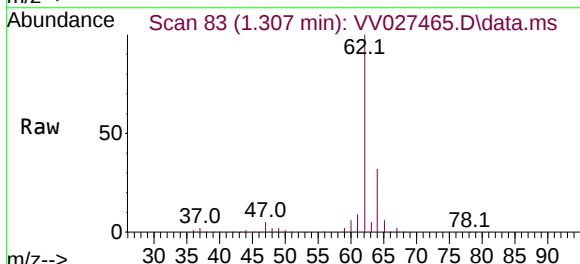
Instrument :
MSVOA_V
ClientSampleId :

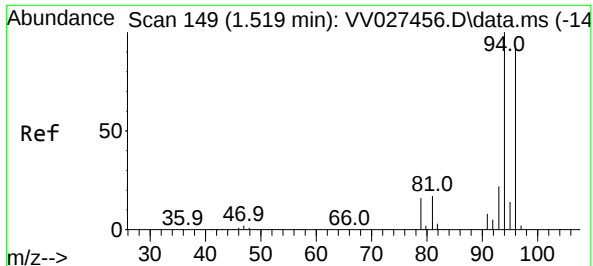
Tgt Ion: 50 Resp: 1086
Ion Ratio Lower Upper
50 100
52 0.0 22.8 42.4#



#5
Vinyl chloride
Concen: 66.486 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV027465.D
Acq: 22 Aug 2022 14:07

Tgt Ion: 62 Resp: 717556
Ion Ratio Lower Upper
62 100
64 31.7 22.6 42.0

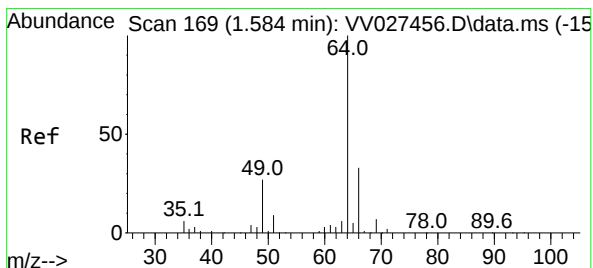
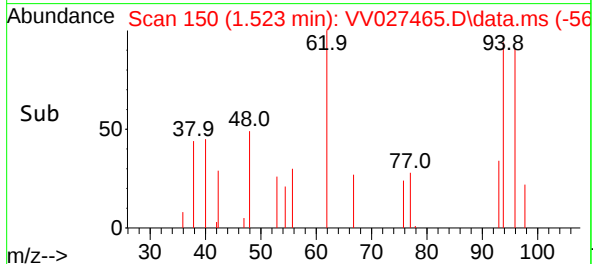
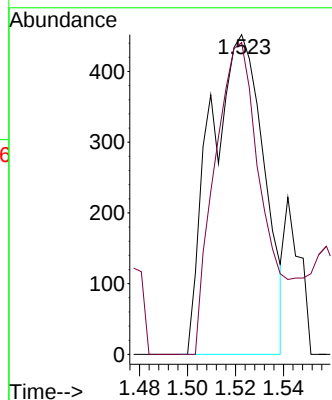
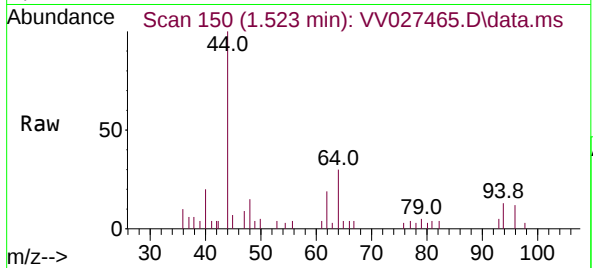




#6
Bromomethane
Concen: 0.131 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027465.D
Acq: 22 Aug 2022 14:07

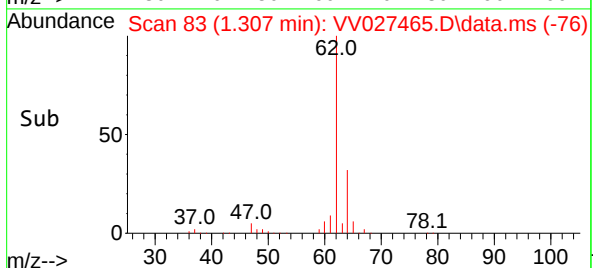
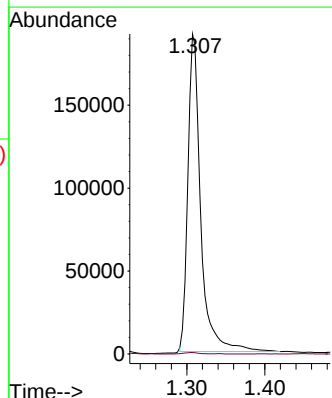
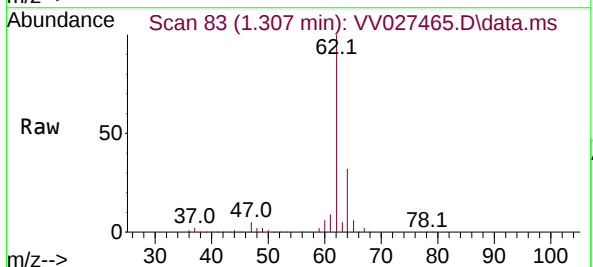
Instrument :
MSVOA_V
ClientSampleId :

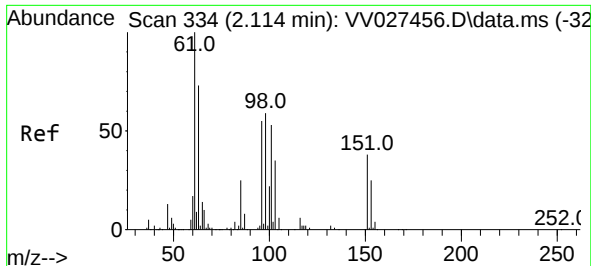
Tgt Ion: 94 Resp: 701
Ion Ratio Lower Upper
94 100
96 97.6 65.2 121.0



#8
Chloroethane
Concen: 34.688 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.277 min
Lab File: VV027465.D
Acq: 22 Aug 2022 14:07

Tgt Ion: 64 Resp: 218785
Ion Ratio Lower Upper
64 100
66 0.5 23.3 43.3#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.090 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.007 min

Lab File: VV027465.D

Acq: 22 Aug 2022 14:07

Instrument :

MSVOA_V

ClientSampleId :

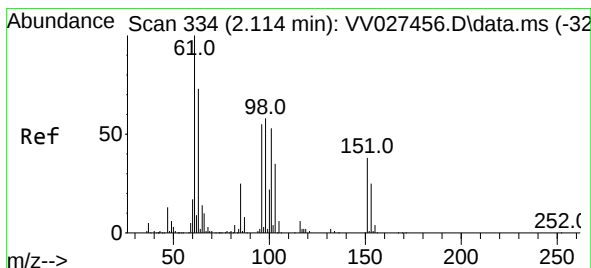
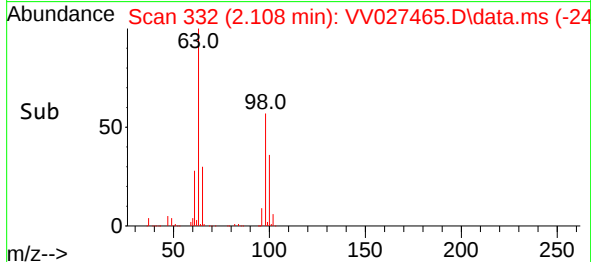
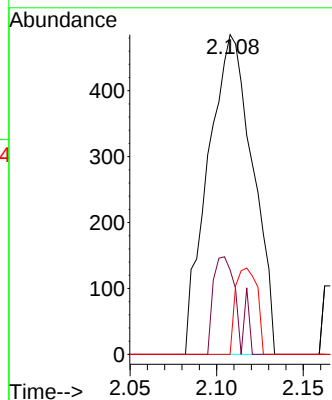
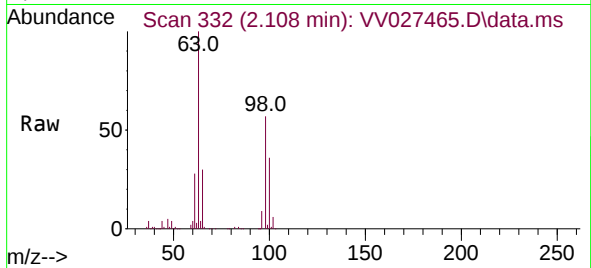
Tgt Ion:101 Resp: 871

Ion Ratio Lower Upper

101 100

85 16.3 35.3 52.9#

151 13.0 55.2 82.8#



#12

1,1-Dichloroethene

Concen: 1.038 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.000 min

Lab File: VV027465.D

Acq: 22 Aug 2022 14:07

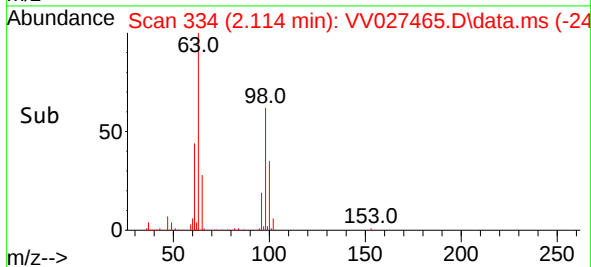
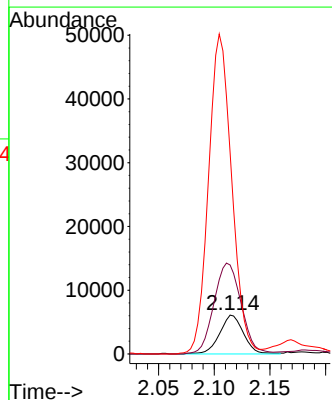
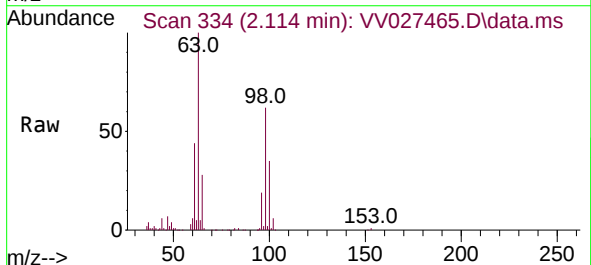
Tgt Ion: 96 Resp: 9090

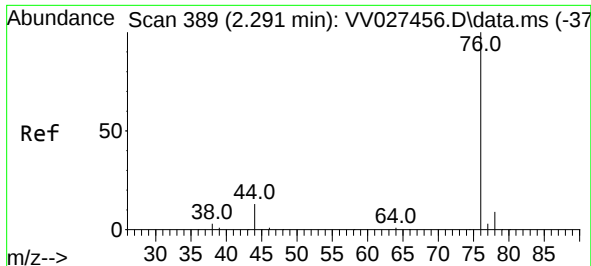
Ion Ratio Lower Upper

96 100

61 228.6 130.2 241.8

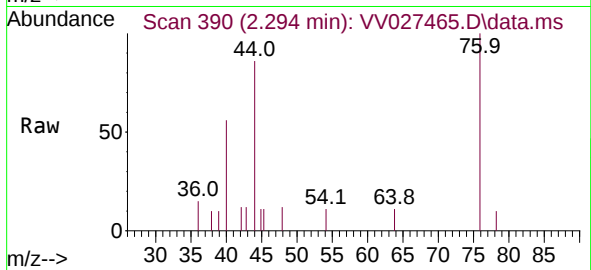
63 516.7 87.4 162.4#



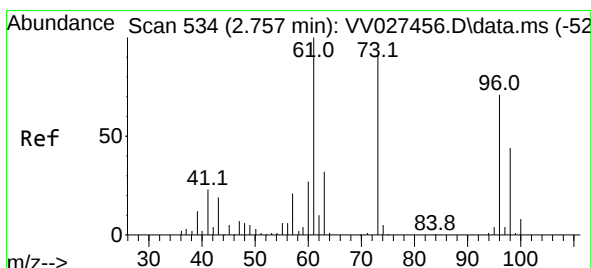
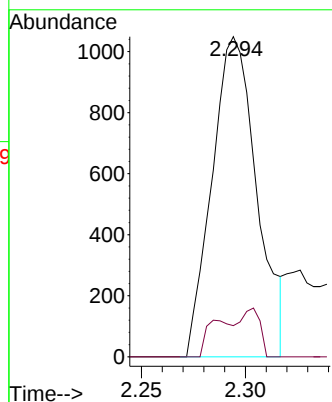
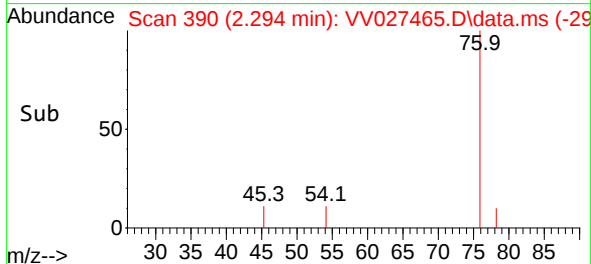


#14
Carbon disulfide
Concen: 0.066 ug/L
RT: 2.294 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV027465.D
Acq: 22 Aug 2022 14:07

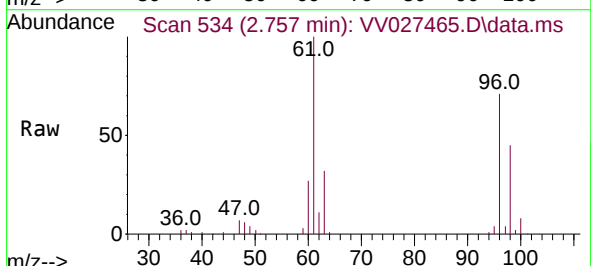
Instrument :
MSVOA_V
ClientSampleId :



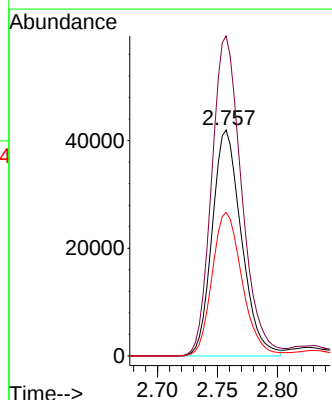
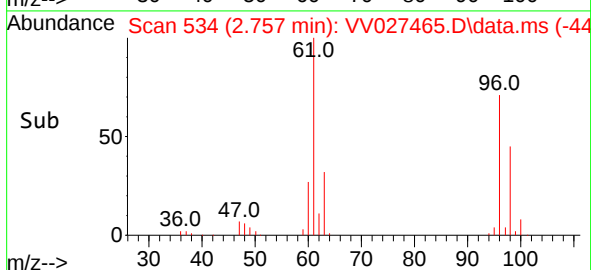
Tgt Ion: 76 Resp: 1575
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9

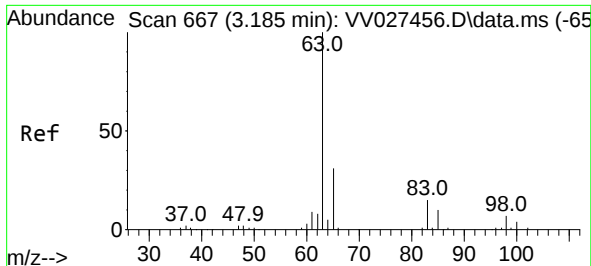


#18
trans-1,2-Dichloroethene
Concen: 7.886 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.000 min
Lab File: VV027465.D
Acq: 22 Aug 2022 14:07



Tgt Ion: 96 Resp: 71121
Ion Ratio Lower Upper
96 100
61 141.7 97.6 181.4
98 63.6 45.9 85.3





#19

1,1-Dichloroethane

Concen: 0.710 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV027465.D

Acq: 22 Aug 2022 14:07

Instrument :

MSVOA_V

ClientSampleId :

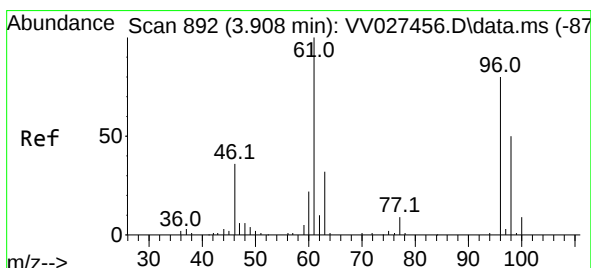
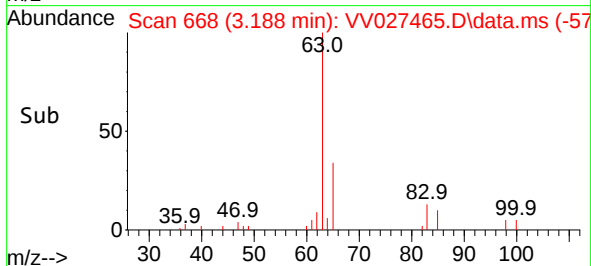
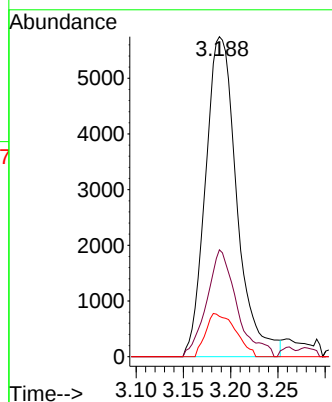
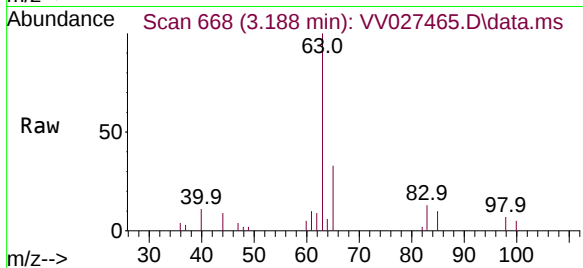
Tgt Ion: 63 Resp: 13249

Ion Ratio Lower Upper

63 100

65 33.4 22.1 41.1

83 12.6 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 195.801 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV027465.D

Acq: 22 Aug 2022 14:07

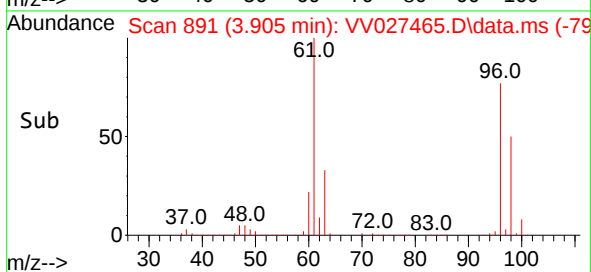
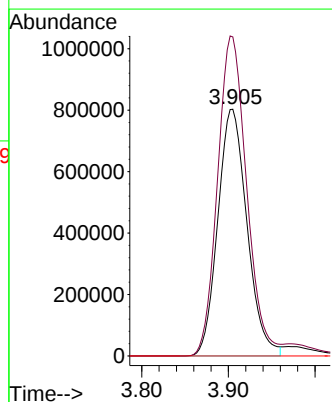
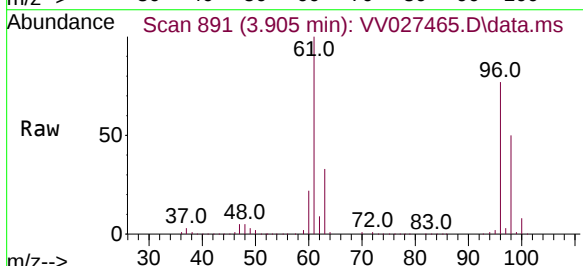
Tgt Ion: 96 Resp: 1881963

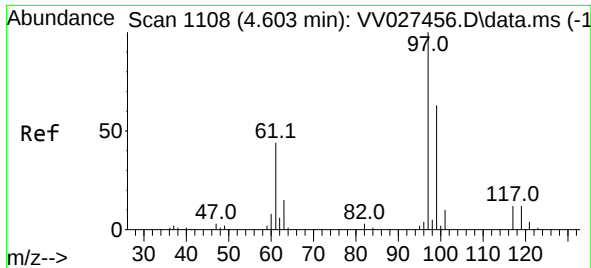
Ion Ratio Lower Upper

96 100

61 129.3 90.6 168.2

68 0.0 0.0 0.0





#29

1,1,1-Trichloroethane

Concen: 0.071 ug/L

RT: 4.612 min Scan# 1111

Delta R.T. 0.010 min

Lab File: VV027465.D

Acq: 22 Aug 2022 14:07

Instrument :

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ClientSampleId :

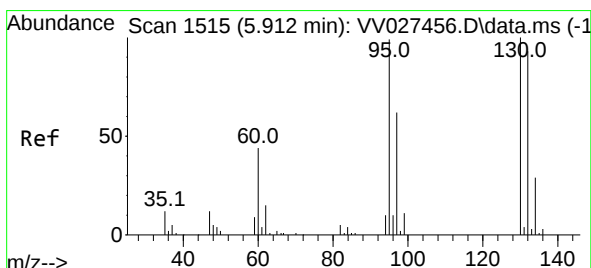
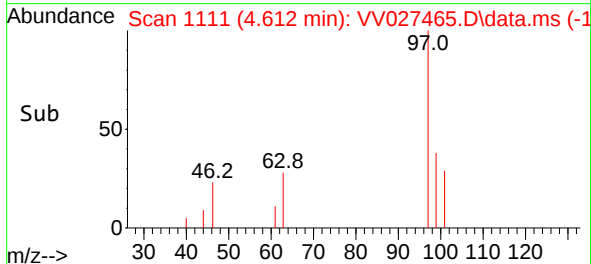
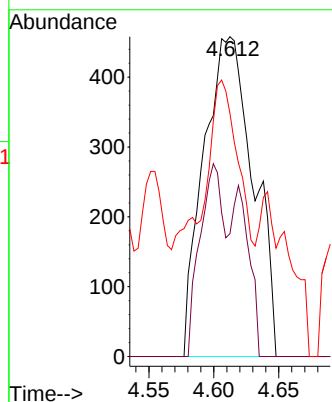
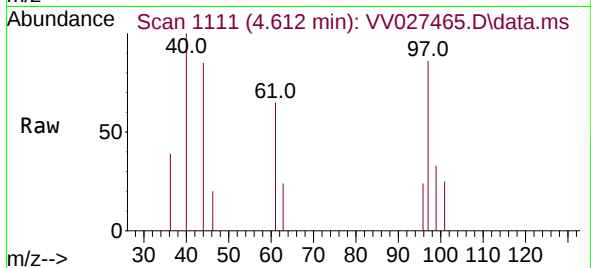
Tgt Ion: 97 Resp: 1219

Ion Ratio Lower Upper

97 100

99 20.0 51.1 76.7#

61 49.1 35.9 53.9



#34

Trichloroethene

Concen: 8.431 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VV027465.D

Acq: 22 Aug 2022 14:07

Tgt Ion: 95 Resp: 82775

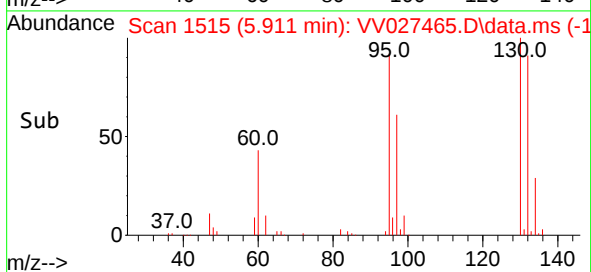
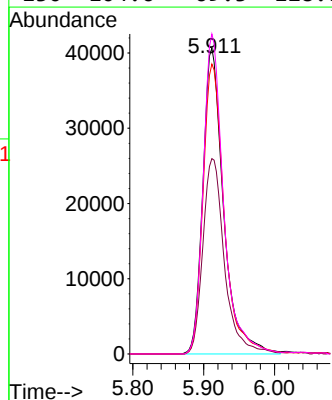
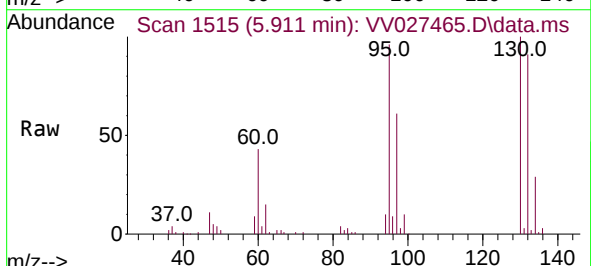
Ion Ratio Lower Upper

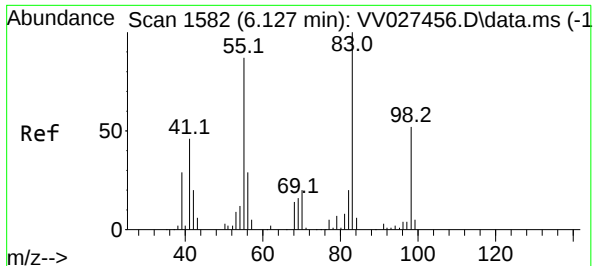
95 100

97 63.9 45.0 83.6

132 94.8 65.7 121.9

130 104.6 69.3 128.7





#35

Methylcyclohexane

Concen: 0.820 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

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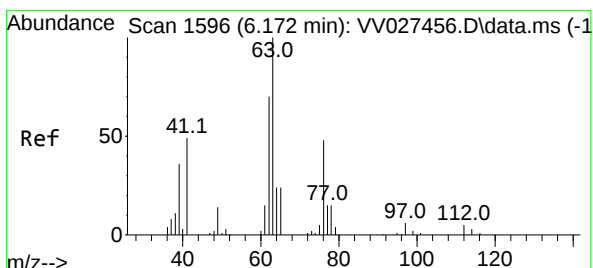
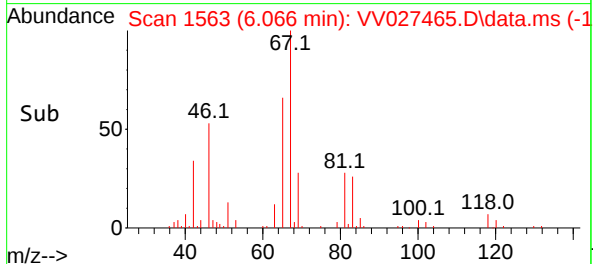
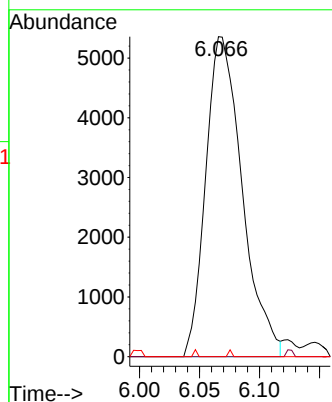
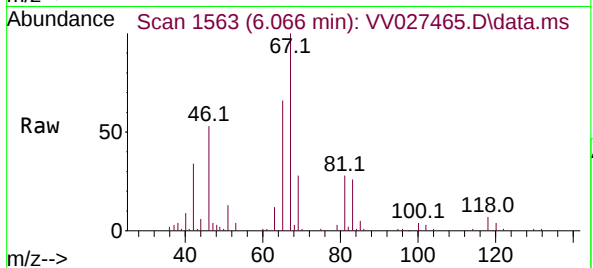
Tgt Ion: 83 Resp: 11329

Ion Ratio Lower Upper

83 100

55 0.4 68.2 102.4#

98 0.0 39.0 58.4#



#37

1,2-Dichloropropane

Concen: 0.555 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.106 min

Lab File: VV027465.D

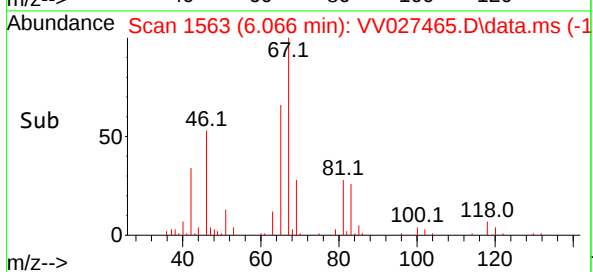
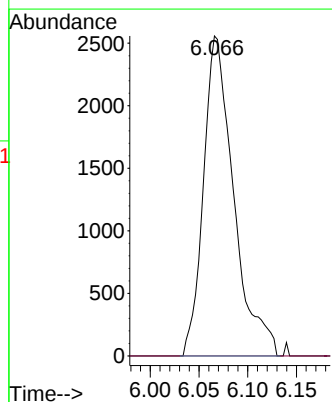
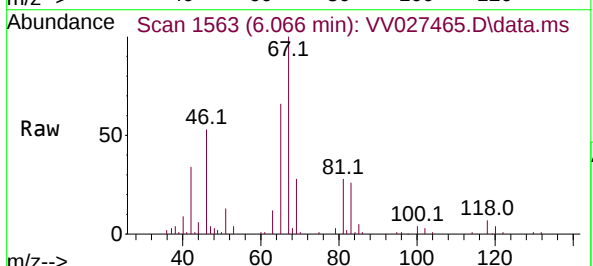
Acq: 22 Aug 2022 14:07

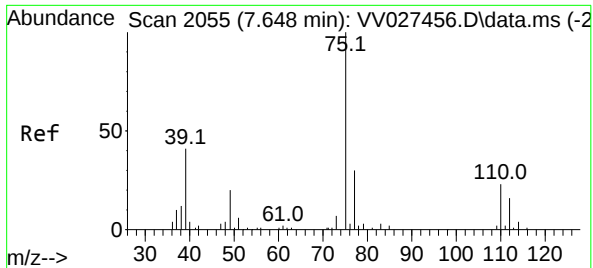
Tgt Ion: 63 Resp: 5523

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#

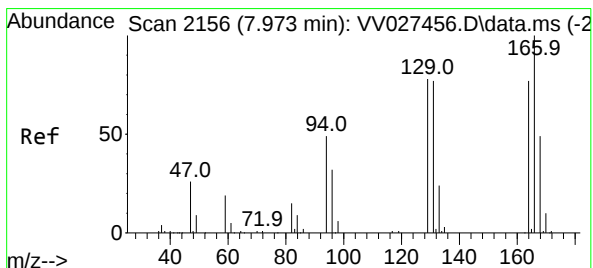
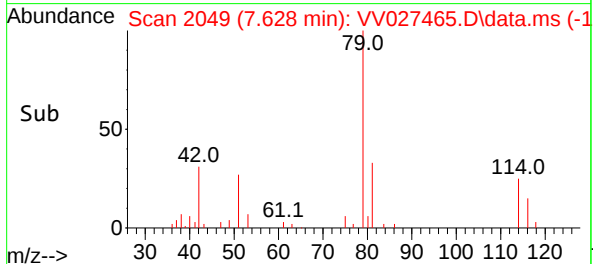
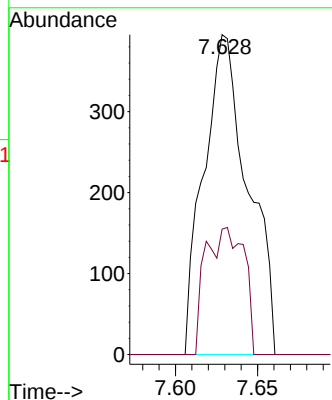
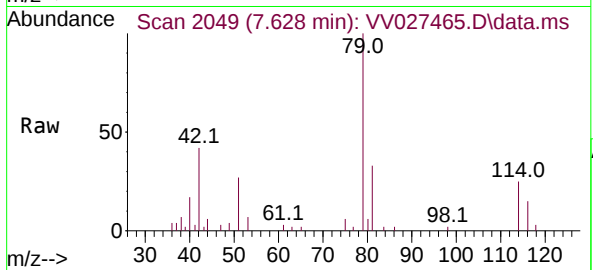




#44
trans-1,3-Dichloropropene
Concen: 0.073 ug/L
RT: 7.628 min Scan# 2055
Delta R.T. -0.019 min
Lab File: VV027465.D
Acq: 22 Aug 2022 14:07

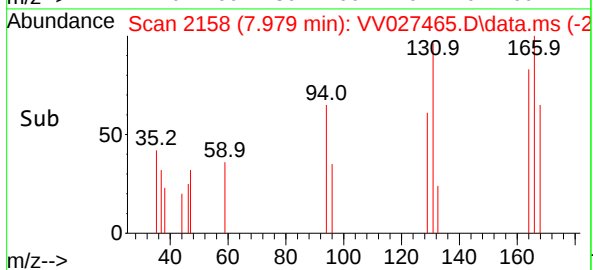
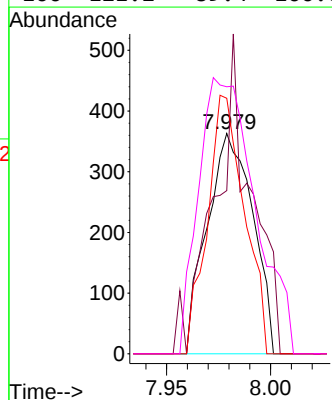
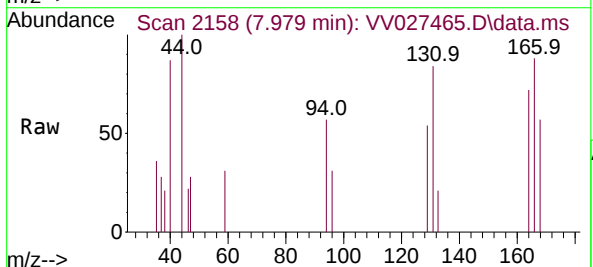
Instrument :
MSVOA_V
ClientSampleId :

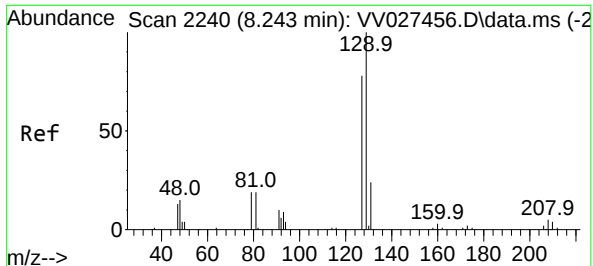
Tgt Ion: 75 Resp: 741
Ion Ratio Lower Upper
75 100
77 39.2 22.3 41.5



#47
Tetrachloroethene
Concen: 0.073 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VV027465.D
Acq: 22 Aug 2022 14:07

Tgt Ion: 164 Resp: 555
Ion Ratio Lower Upper
164 100
129 74.1 71.1 132.1
131 116.0 64.5 119.9
166 121.2 89.4 166.0





#49

Dibromochloromethane

Concen: 0.082 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.261 min

Lab File: VV027465.D

Acq: 22 Aug 2022 14:07

Instrument :

MSVOA_V

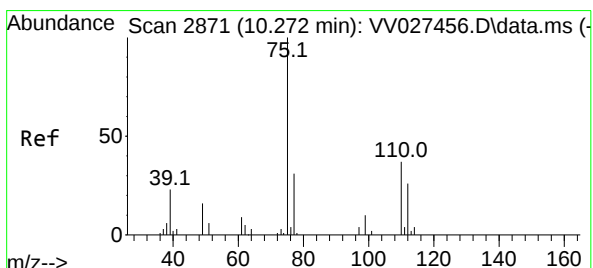
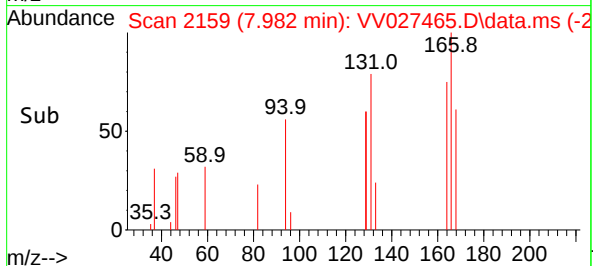
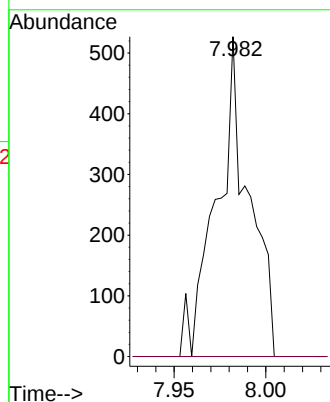
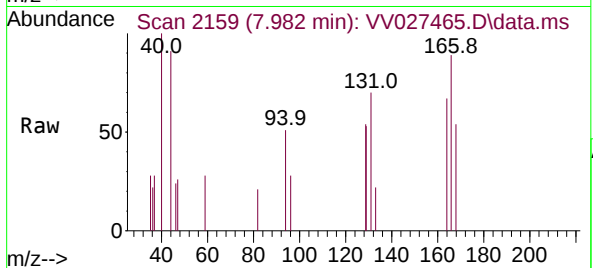
ClientSampleId :

Tgt Ion:129 Resp: 642

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#61

1,2,3-Trichloropropane

Concen: 1.260 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV027465.D

Acq: 22 Aug 2022 14:07

Tgt Ion: 75 Resp: 5504

Ion Ratio Lower Upper

75 100

77 35.7 26.2 39.2

110 0.9 29.9 44.9#

