

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW093022\
 Data File : VW028262.D
 Acq On : 01 Oct 2022 06:23
 Operator : SY/MD
 Sample : N4856-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5H47

Quant Time: Oct 03 01:28:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 29 01:25:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	170325	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	180425	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	85728	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	62416	3.535	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.600%
7) Chloroethane-d5	1.561	69	58261	4.150	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.000%
11) 1,1-Dichloroethene-d2	2.098	63	90746	2.963	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.200%#
20) 2-Butanone-d5	3.902	46	141543	47.480	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.960%
24) Chloroform-d	4.339	84	127451	4.523	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.027	65	60002	4.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.040	84	249184	4.212	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.063	67	75814	4.111	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.200%
41) Toluene-d8	7.310	98	206498	3.856	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	7.622	79	20807	3.123	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.400%
46) 2-Hexanone-d5	8.085	63	123427	44.390	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.780%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	62178	4.932	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	11.619	152	83784	4.983	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.230	50	731	0.043	ug/L	94
5) Vinyl chloride	1.304	62	684	0.052	ug/L #	1
8) Chloroethane	1.384	64	427835	48.305	ug/L #	50
9) Trichlorofluoromethane	1.748	101	1127	0.054	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	1114	0.092	ug/L #	22
12) 1,1-Dichloroethene	2.098	96	943	0.080	ug/L #	1
14) Carbon disulfide	2.285	76	8823	0.391	ug/L #	91
17) Methyl tert-butyl Ether	2.767	73	10246	0.405	ug/L #	94
18) trans-1,2-Dichloroethene	2.757	96	2737	0.266	ug/L	84
22) cis-1,2-Dichloroethene	3.905	96	24839	1.837	ug/L	91
33) Benzene	5.092	78	4689	0.094	ug/L	100
34) Trichloroethene	5.908	95	87057	6.981	ug/L	93
35) Methylcyclohexane	6.063	83	18835	1.101	ug/L #	16
37) 1,2-Dichloropropane	6.066	63	7953	0.566	ug/L #	87
39) cis-1,3-Dichloropropene	6.982	75	1223	0.070	ug/L #	70
47) Tetrachloroethene	7.969	164	334861	33.637	ug/L	98
49) Dibromochloromethane	7.969	129	296942	26.231	ug/L #	11
52) Ethylbenzene	9.021	91	1969	0.036	ug/L	89
61) 1,2,3-Trichloropropane	11.243	75	8674	1.206	ug/L #	66

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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

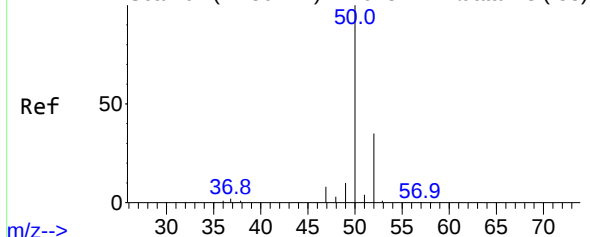
Instrument :
MSVOA_V
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Quant Time: Oct 03 01:28:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 29 01:25:35 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.545	105	475	0.034	ug/L	# 64

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

Abundance Scan 61 (1.236 min): VV028241.D\data.ms (-53)



#3

Chloromethane

Concen: 0.043 ug/L

RT: 1.230 min Scan# 59

Delta R.T. -0.006 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

Instrument :

MSVOA_V

ClientSampleId :

F5H47

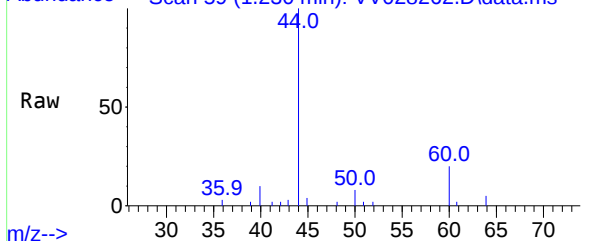
Tgt Ion: 50 Resp: 731

Ion Ratio Lower Upper

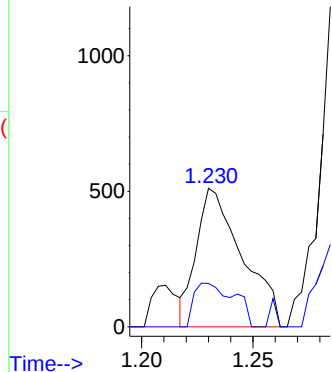
50 100

52 31.3 24.4 45.2

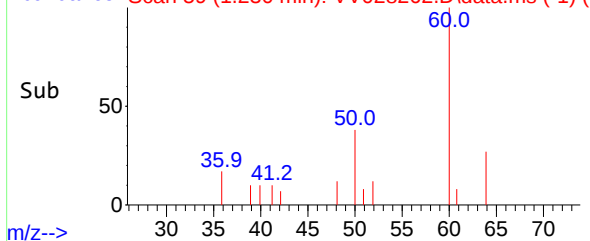
Abundance Scan 59 (1.230 min): VV028262.D\data.ms



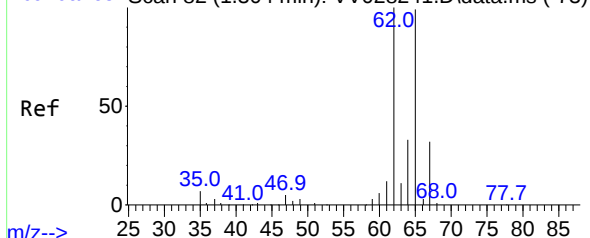
Abundance



Abundance Scan 59 (1.230 min): VV028262.D\data.ms (-1)



Abundance Scan 82 (1.304 min): VV028241.D\data.ms (-73)



#5

Vinyl chloride

Concen: 0.052 ug/L

RT: 1.304 min Scan# 82

Delta R.T. -0.000 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

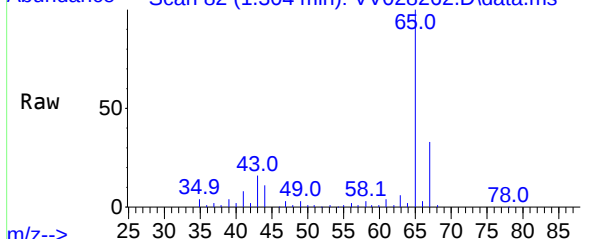
Tgt Ion: 62 Resp: 684

Ion Ratio Lower Upper

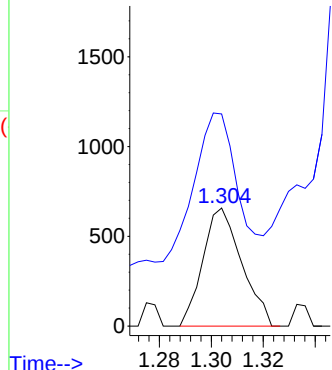
62 100

64 179.8 23.0 42.8#

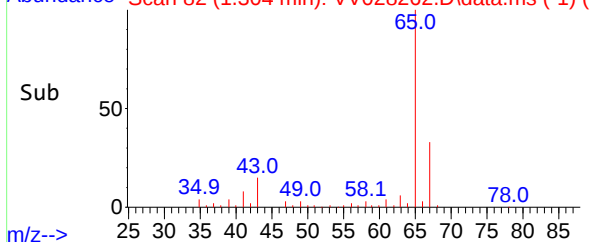
Abundance Scan 82 (1.304 min): VV028262.D\data.ms

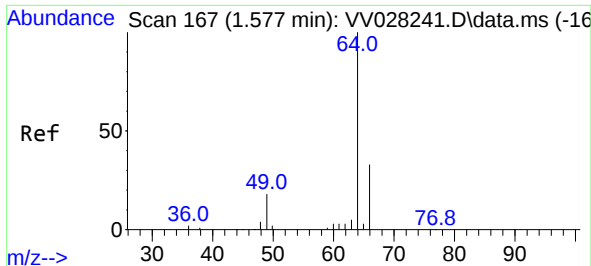


Abundance



Abundance Scan 82 (1.304 min): VV028262.D\data.ms (-1)

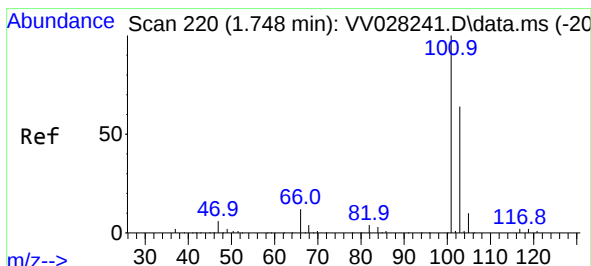
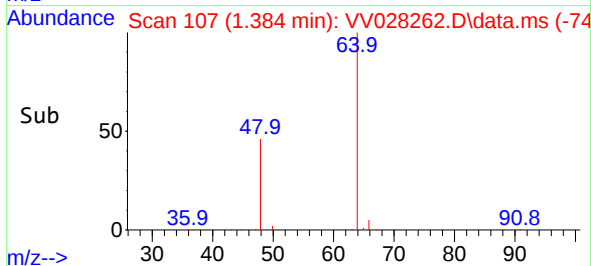
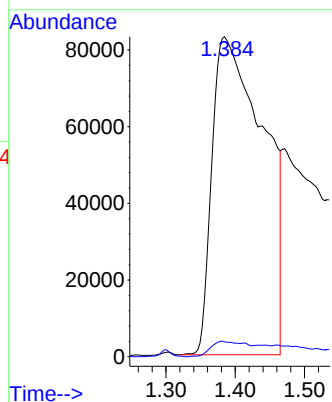
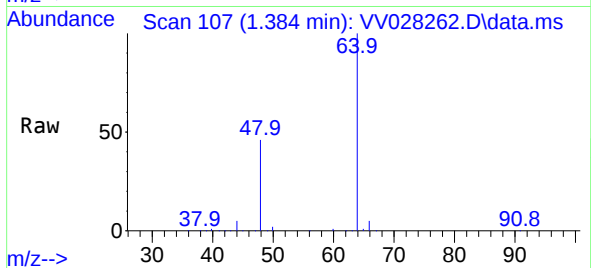




#8
Chloroethane
Concen: 48.305 ug/L
RT: 1.384 min Scan# 10
Delta R.T. -0.193 min
Lab File: VV028262.D
Acq: 01 Oct 2022 06:23

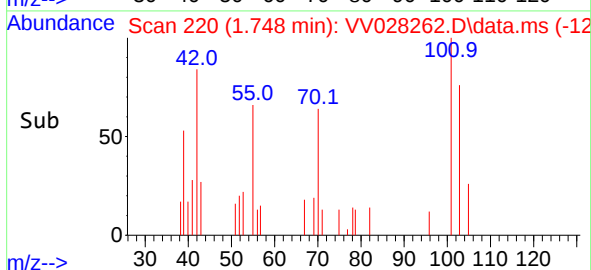
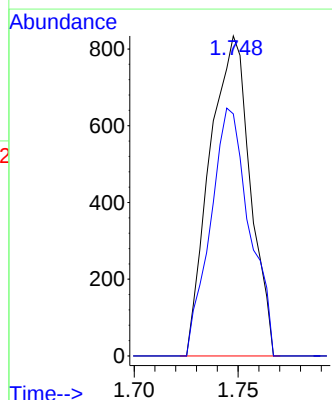
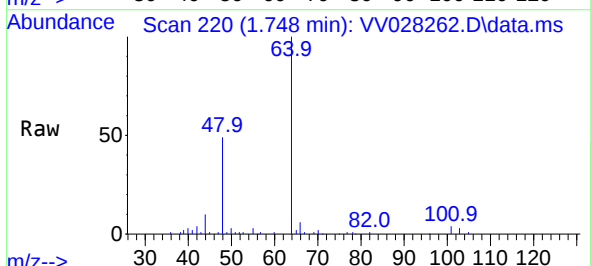
Instrument :
MSVOA_V
ClientSampleId :
F5H47

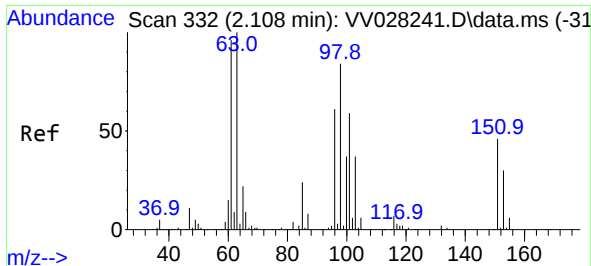
Tgt Ion: 64 Resp: 427835
Ion Ratio Lower Upper
64 100
66 4.7 23.0 42.8#



#9
Trichlorofluoromethane
Concen: 0.054 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.003 min
Lab File: VV028262.D
Acq: 01 Oct 2022 06:23

Tgt Ion:101 Resp: 1127
Ion Ratio Lower Upper
101 100
103 75.0 51.4 77.0

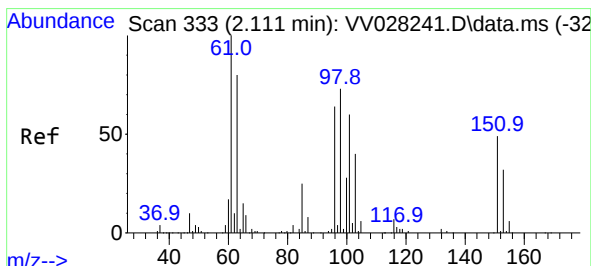
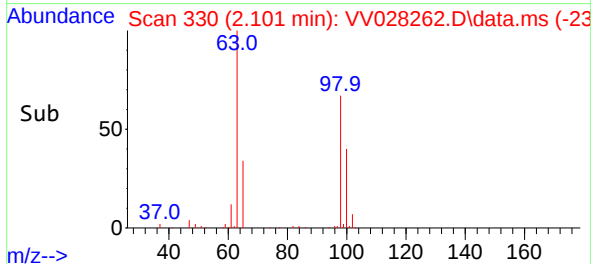
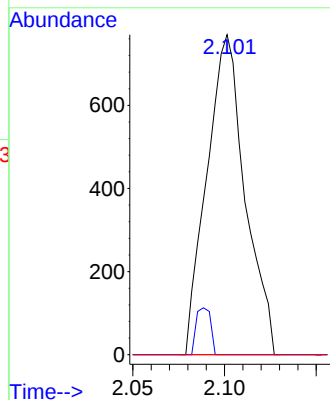
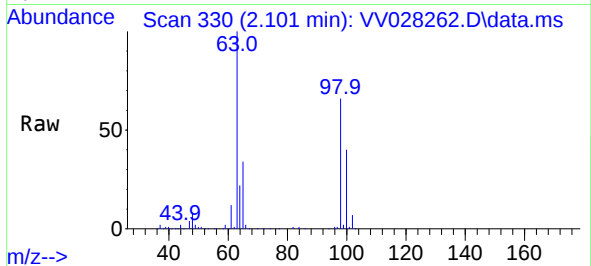




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.092 ug/L
RT: 2.101 min Scan# 311
Delta R.T. -0.006 min
Lab File: VV028262.D
Acq: 01 Oct 2022 06:23

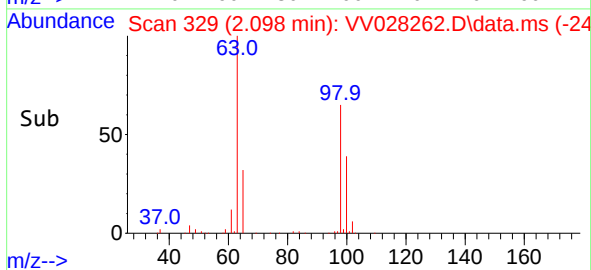
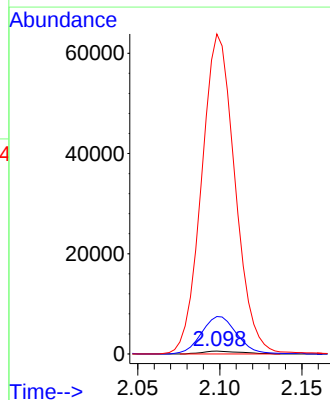
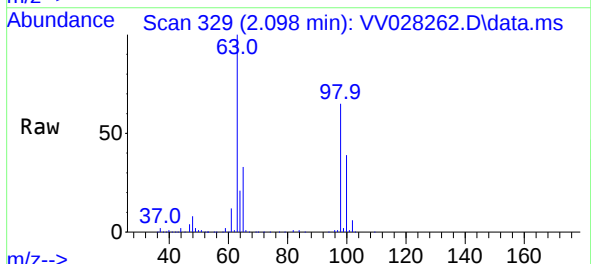
Instrument :
MSVOA_V
ClientSampleId :
F5H47

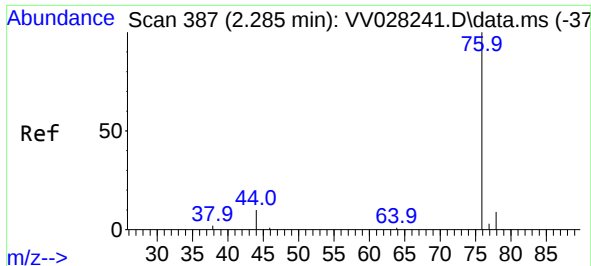
Tgt Ion:101 Resp: 1114
Ion Ratio Lower Upper
101 100
85 5.6 34.4 51.6#
151 0.0 61.1 91.7#



#12
1,1-Dichloroethene
Concen: 0.080 ug/L
RT: 2.098 min Scan# 329
Delta R.T. -0.013 min
Lab File: VV028262.D
Acq: 01 Oct 2022 06:23

Tgt Ion: 96 Resp: 943
Ion Ratio Lower Upper
96 100
61 1284.2 128.3 238.3#
63 10992.1 112.7 209.3#





#14

Carbon disulfide

Concen: 0.391 ug/L

RT: 2.285 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

Instrument :

MSVOA_V

ClientSampleId :

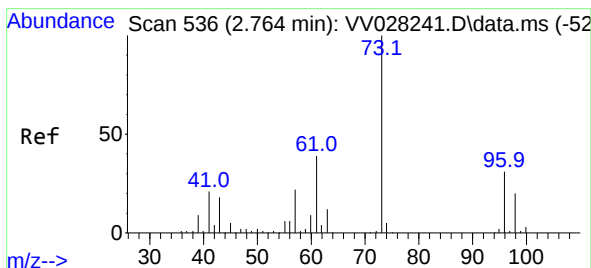
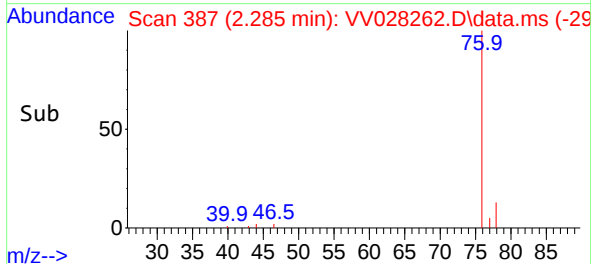
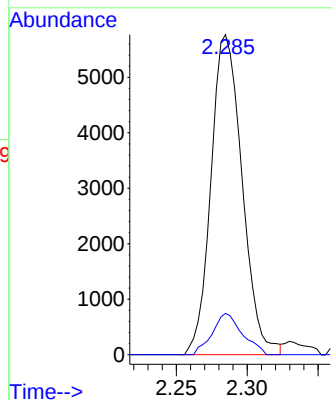
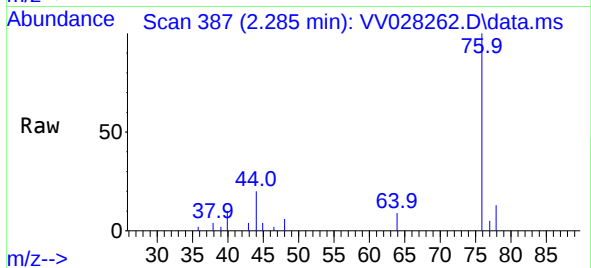
F5H47

Tgt Ion: 76 Resp: 8823

Ion Ratio Lower Upper

76 100

78 12.9 7.6 11.4#



#17

Methyl tert-butyl Ether

Concen: 0.405 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.003 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

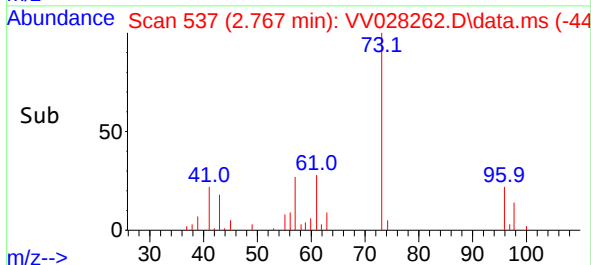
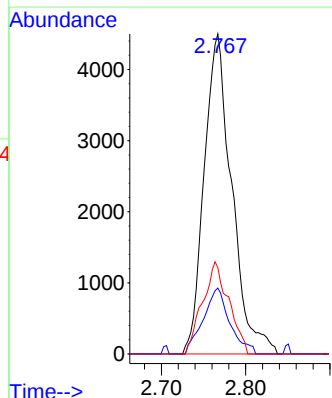
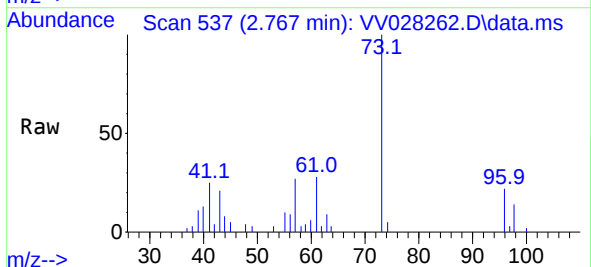
Tgt Ion: 73 Resp: 10246

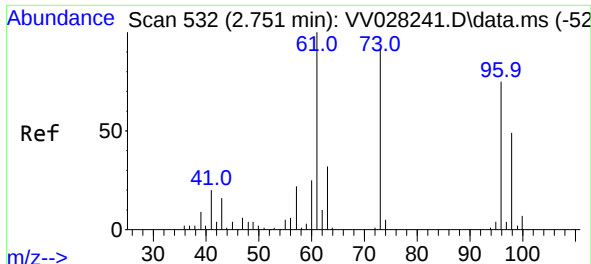
Ion Ratio Lower Upper

73 100

43 19.8 15.7 23.5

57 27.5 17.8 26.8#

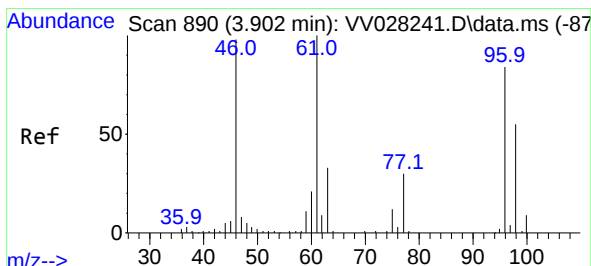
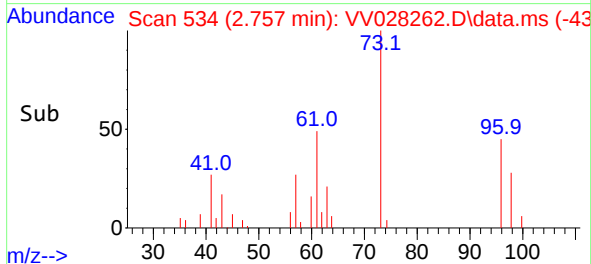
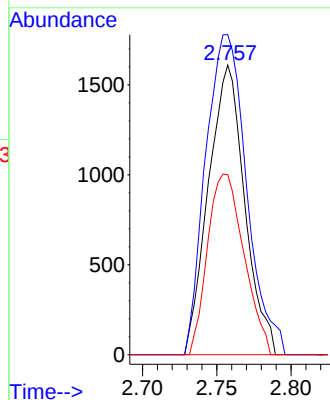
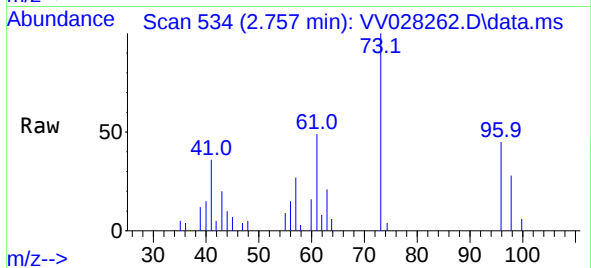




#18
trans-1,2-Dichloroethene
Concen: 0.266 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV028262.D
Acq: 01 Oct 2022 06:23

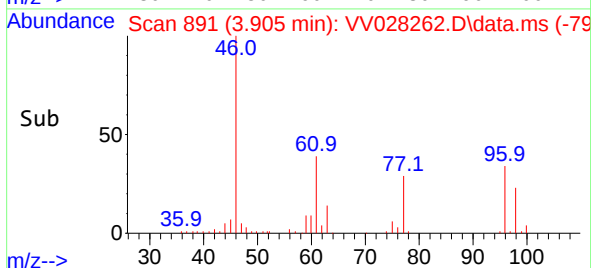
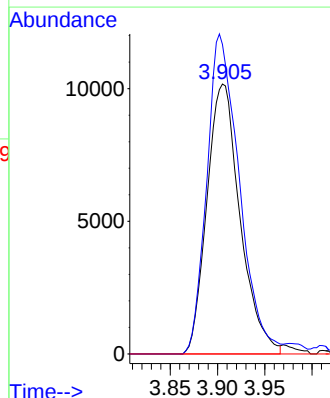
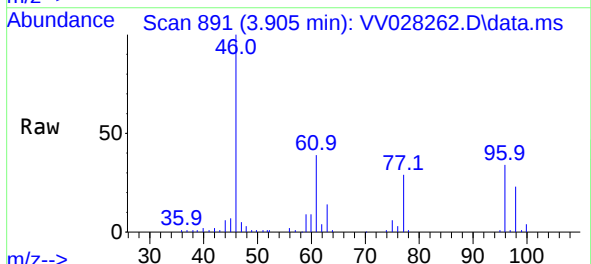
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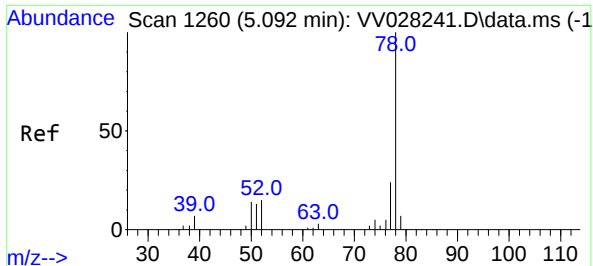
Tgt Ion: 96 Resp: 2737
Ion Ratio Lower Upper
96 100
61 110.5 96.2 178.6
98 62.2 45.7 84.9



#22
cis-1,2-Dichloroethene
Concen: 1.837 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.006 min
Lab File: VV028262.D
Acq: 01 Oct 2022 06:23

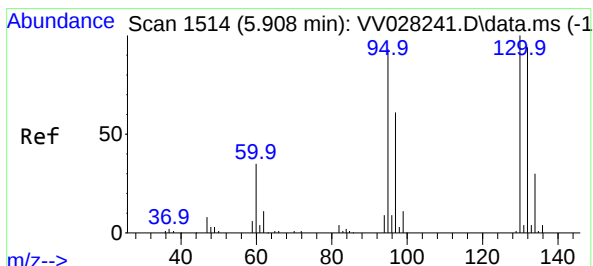
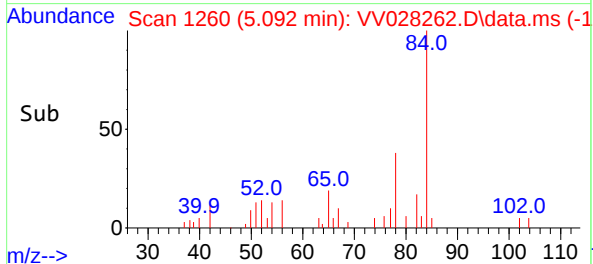
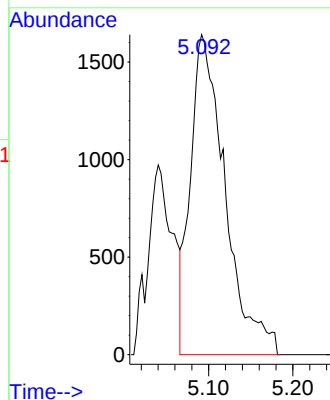
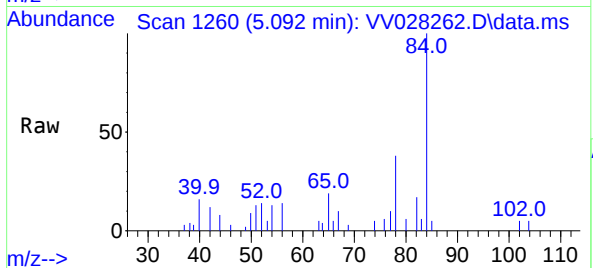
Tgt Ion: 96 Resp: 24839
Ion Ratio Lower Upper
96 100
61 114.7 87.2 161.9
68 0.0 0.0 0.0



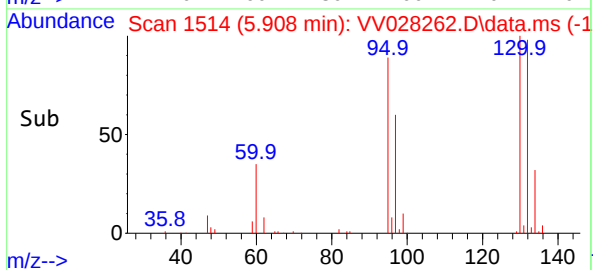
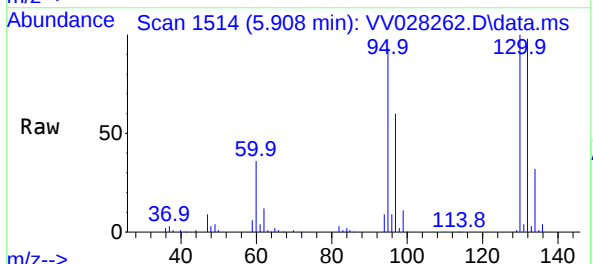
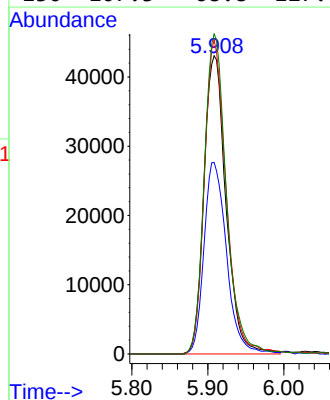


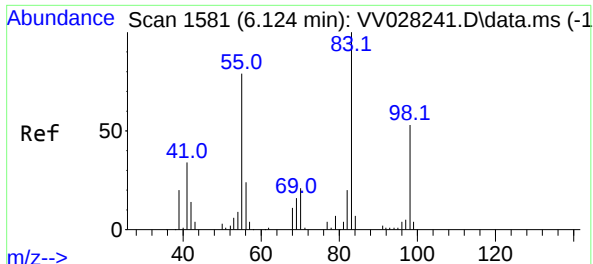
#33
Benzene
Concen: 0.094 ug/L
RT: 5.092 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028262.D
Acq: 01 Oct 2022 06:23
Tgt Ion: 78 Resp: 4689

Instrument :
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#34
Trichloroethene
Concen: 6.981 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV028262.D
Acq: 01 Oct 2022 06:23
Tgt Ion: 95 Resp: 87057
Ion Ratio Lower Upper
95 100
97 64.2 44.2 82.0
132 105.2 67.8 126.0
130 107.3 68.8 127.8





#35

Methylcyclohexane

Concen: 1.101 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

Instrument :

MSVOA_V

ClientSampleId :

F5H47

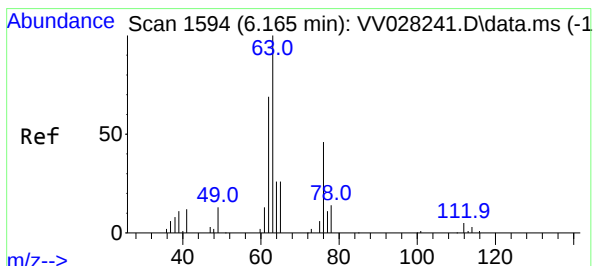
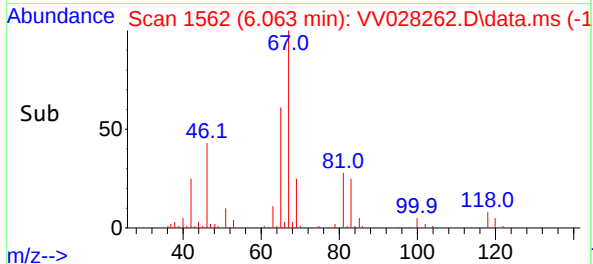
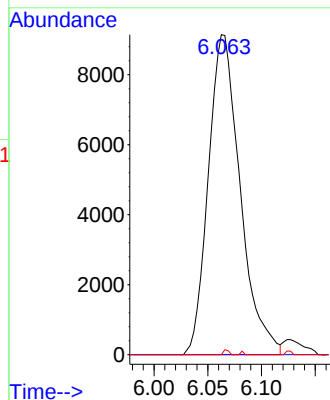
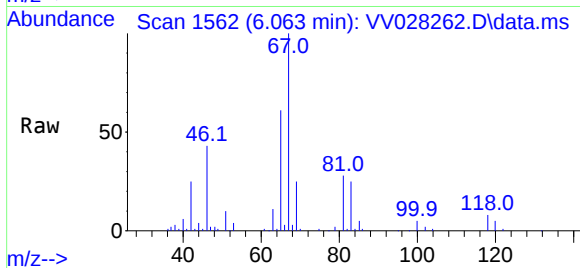
Tgt Ion: 83 Resp: 18835

Ion Ratio Lower Upper

83 100

55 0.1 64.7 97.1#

98 0.3 39.5 59.3#



#37

1,2-Dichloropropane

Concen: 0.566 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.100 min

Lab File: VV028262.D

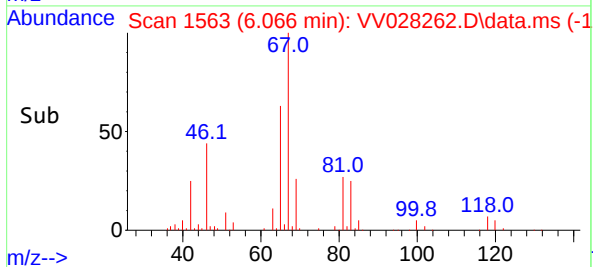
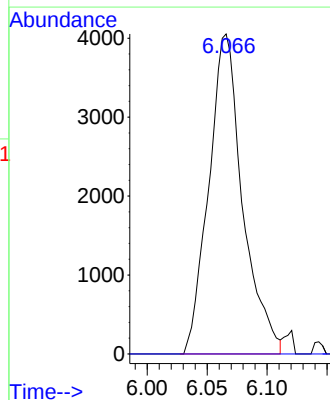
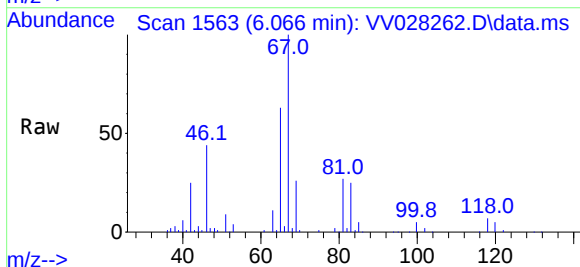
Acq: 01 Oct 2022 06:23

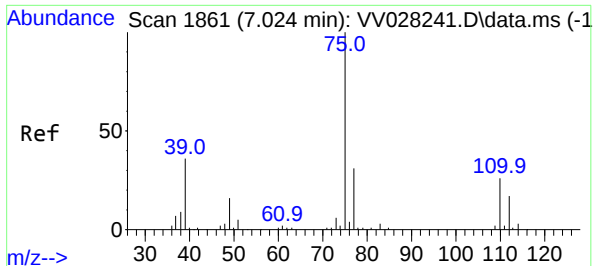
Tgt Ion: 63 Resp: 7953

Ion Ratio Lower Upper

63 100

112 0.3 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

Instrument :

MSVOA_V

ClientSampleId :

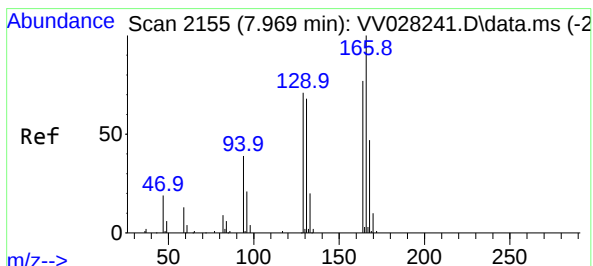
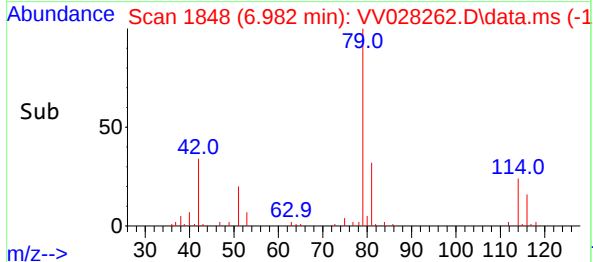
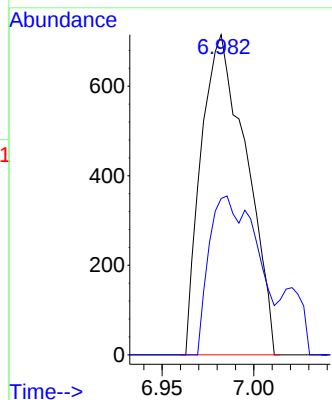
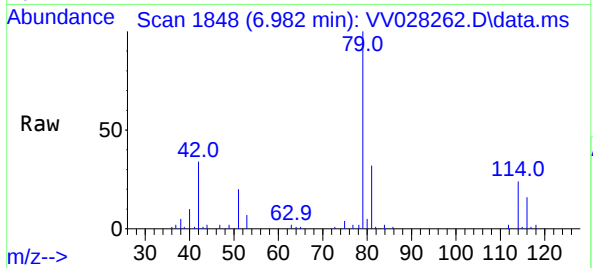
F5H47

Tgt Ion: 75 Resp: 1223

Ion Ratio Lower Upper

75 100

77 48.8 22.4 41.6#



#47

Tetrachloroethene

Concen: 33.637 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.000 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

Tgt Ion:164 Resp: 334861

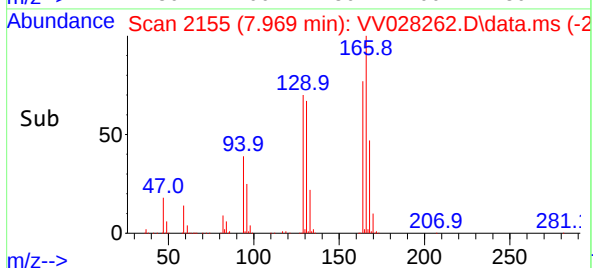
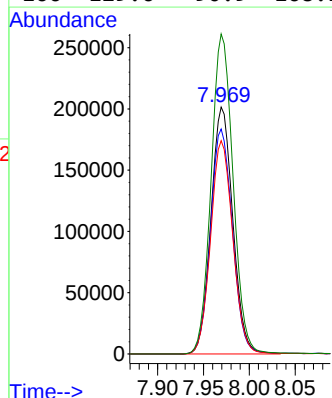
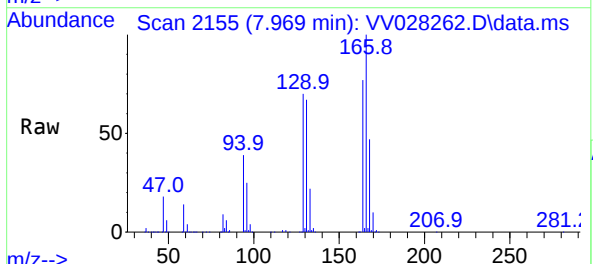
Ion Ratio Lower Upper

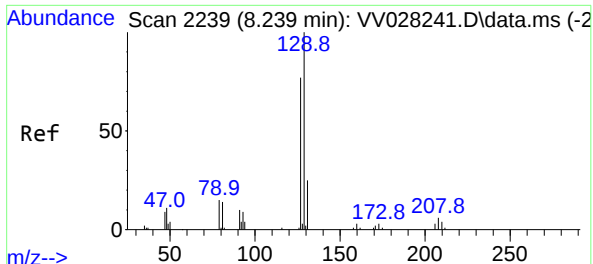
164 100

129 91.1 66.7 123.9

131 86.4 61.7 114.5

166 129.6 90.9 168.9





#49

Dibromochloromethane

Concen: 26.231 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

Instrument :

MSVOA_V

ClientSampleId :

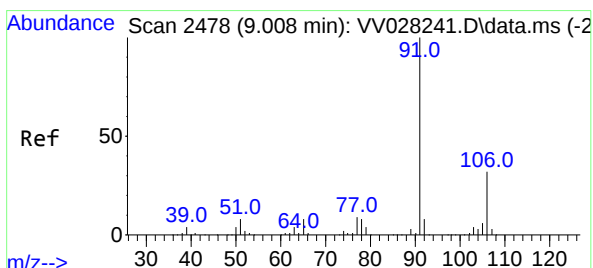
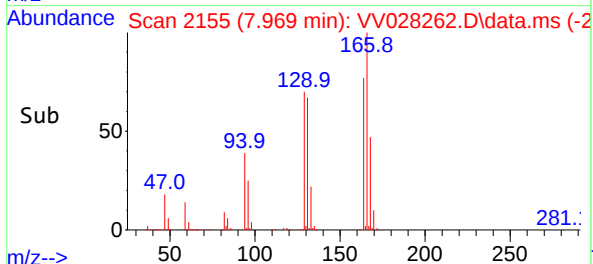
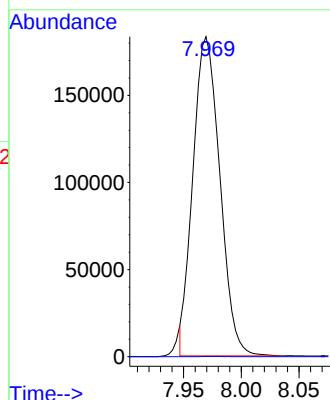
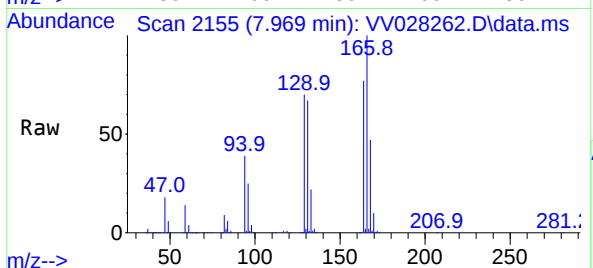
F5H47

Tgt Ion:129 Resp: 296942

Ion Ratio Lower Upper

129 100

127 0.1 54.3 100.9#



#52

Ethylbenzene

Concen: 0.036 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.013 min

Lab File: VV028262.D

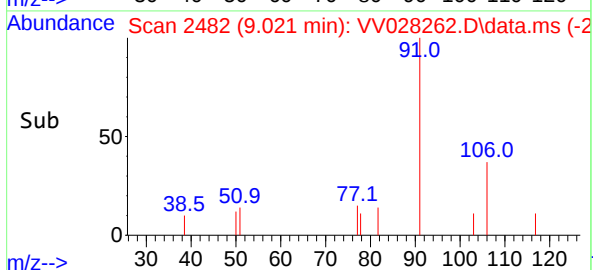
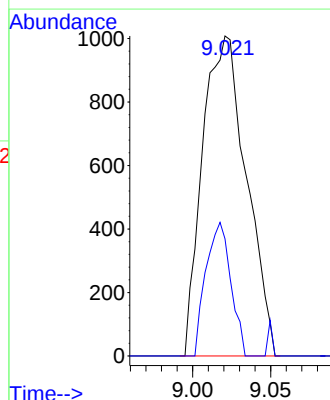
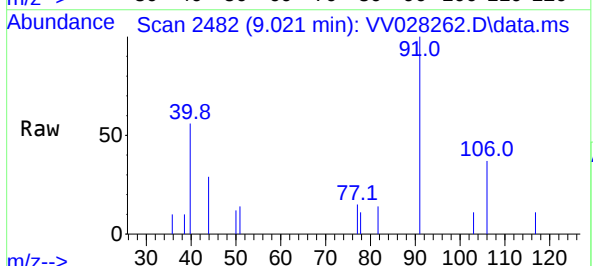
Acq: 01 Oct 2022 06:23

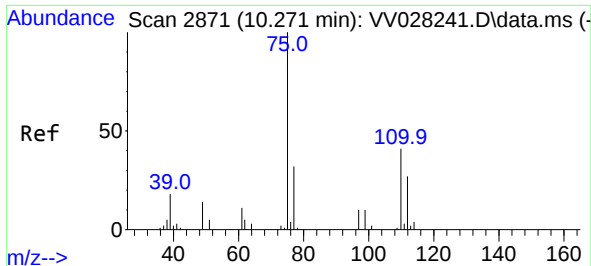
Tgt Ion: 91 Resp: 1969

Ion Ratio Lower Upper

91 100

106 36.6 21.5 39.9





#61

1,2,3-Trichloropropane

Concen: 1.206 ug/L

RT: 11.243 min Scan# 31

Delta R.T. 0.974 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

Instrument :

MSVOA_V

ClientSampleId :

F5H47

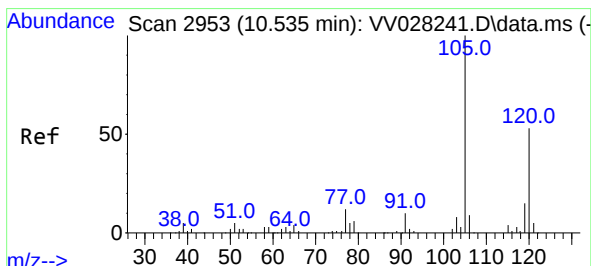
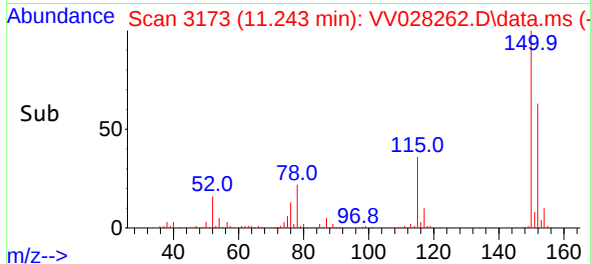
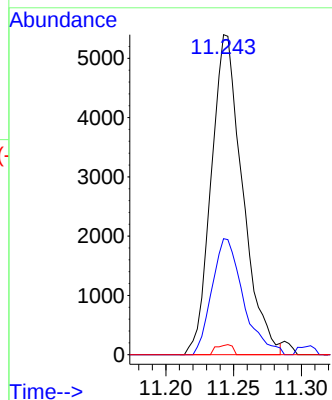
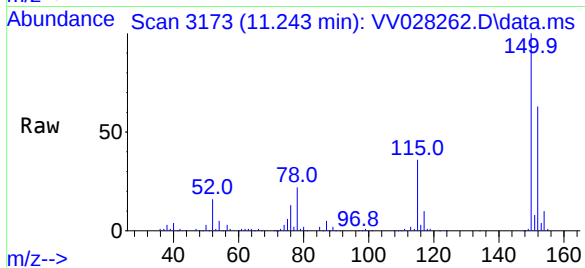
Tgt Ion: 75 Resp: 8674

Ion Ratio Lower Upper

75 100

77 36.2 26.7 40.1

110 1.6 30.1 45.1#



#62

1,3,5-Trimethylbenzene

Concen: 0.034 ug/L

RT: 10.545 min Scan# 2956

Delta R.T. 0.010 min

Lab File: VV028262.D

Acq: 01 Oct 2022 06:23

Tgt Ion: 105 Resp: 475

Ion Ratio Lower Upper

105 100

120 26.1 40.6 61.0#

