

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041322\
 Data File : VV025524.D
 Acq On : 14 Apr 2022 04:28
 Operator : SY/MD
 Sample : N2356-21
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 14 05:25:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 14 05:22:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	125951	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	124228	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	58200	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	62581	5.344	ug/L	0.00
Spiked Amount 5.000	Range 40	- 130	Recovery	=	106.800%	
7) Chloroethane-d5	1.574	69	54823	4.401	ug/L	0.00
Spiked Amount 5.000	Range 65	- 130	Recovery	=	88.000%	
11) 1,1-Dichloroethene-d2	2.114	63	96840	4.128	ug/L	0.00
Spiked Amount 5.000	Range 60	- 125	Recovery	=	82.600%	
20) 2-Butanone-d5	3.895	46	71902	50.480	ug/L	0.00
Spiked Amount 50.000	Range 40	- 130	Recovery	=	100.960%	
24) Chloroform-d	4.355	84	89492	5.058	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	101.200%	
26) 1,2-Dichloroethane-d4	5.037	65	40504	5.313	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	106.200%	
32) Benzene-d6	5.053	84	180335	5.017	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	100.400%	
36) 1,2-Dichloropropane-d6	6.072	67	49998	4.988	ug/L	0.00
Spiked Amount 5.000	Range 60	- 140	Recovery	=	99.800%	
41) Toluene-d8	7.316	98	153558	4.604	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	92.000%	
43) trans-1,3-Dichloroprop...	7.625	79	14053	4.171	ug/L	0.00
Spiked Amount 5.000	Range 55	- 130	Recovery	=	83.400%	
46) 2-Hexanone-d5	8.091	63	55501	46.934	ug/L	0.00
Spiked Amount 50.000	Range 45	- 130	Recovery	=	93.860%	
56) 1,1,2,2-Tetrachloroeth...	10.213	84	31047	4.902	ug/L	0.00
Spiked Amount 5.000	Range 65	- 120	Recovery	=	98.000%	
66) 1,2-Dichlorobenzene-d4	11.622	152	49448	5.068	ug/L	0.00
Spiked Amount 5.000	Range 80	- 120	Recovery	=	101.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.246	50	513	0.041	ug/L #	79
5) Vinyl chloride	1.317	62	14862	1.064	ug/L	90
8) Chloroethane	1.371	64	8920	0.827	ug/L #	57
9) Trichlorofluoromethane	1.998	101	7873	0.401	ug/L	99
12) 1,1-Dichloroethene	2.124	96	6853	0.627	ug/L #	1
13) Acetone	2.137	43	3764	3.893	ug/L	50
15) Methyl Acetate	2.503	43	32603	15.173	ug/L #	43
18) trans-1,2-Dichloroethene	2.767	96	22648	2.474	ug/L	97
19) 1,1-Dichloroethane	3.194	63	9467	0.611	ug/L	94
22) cis-1,2-Dichloroethene	3.915	96	1955934	202.957	ug/L	94
25) Chloroform	4.381	83	6059	0.370	ug/L #	62
29) 1,1,1-Trichloroethane	4.612	97	47322	3.230	ug/L	98
30) Cyclohexane	4.677	56	2170	0.163	ug/L	97
31) Carbon tetrachloride	4.837	117	1479	0.119	ug/L	87
33) Benzene	5.111	78	24056	0.656	ug/L	100
34) Trichloroethene	5.918	95	11389943	1168.957	ug/L	94
35) Methylcyclohexane	6.072	83	12025	0.773	ug/L #	24
37) 1,2-Dichloropropane	6.072	63	5666	0.667	ug/L #	87

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

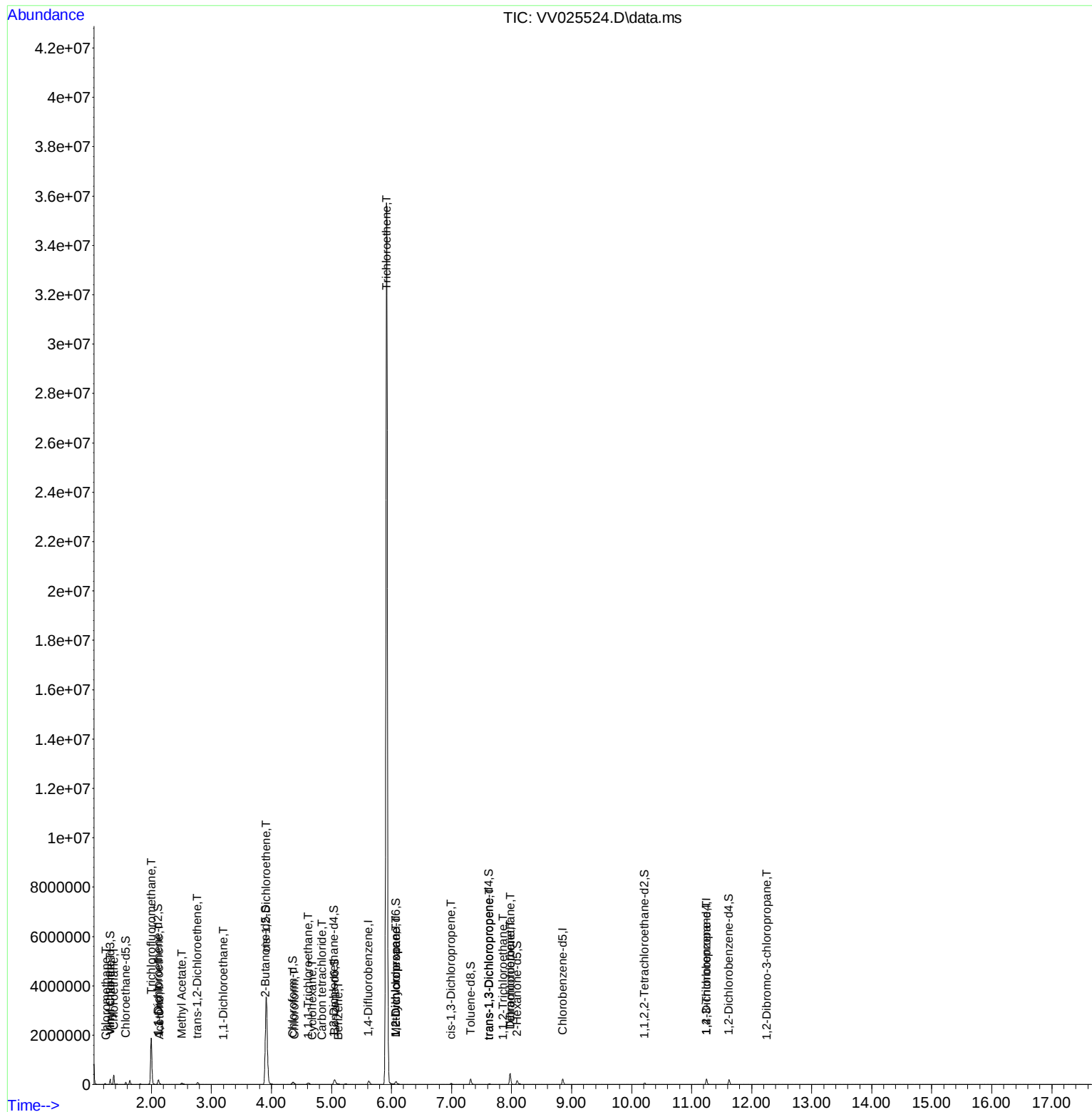
39) cis-1,3-Dichloropropene	6.989	75	1169	0.105	ug/L #	43
44) trans-1,3-Dichloropropene	7.628	75	644	0.075	ug/L	83
45) 1,1,2-Trichloroethane	7.853	97	598	0.105	ug/L #	73
47) Tetrachloroethene	7.976	164	95720	12.548	ug/L	98
49) Dibromochloromethane	7.976	129	88948	14.252	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	7079	1.847	ug/L #	64
68) 1,2-Dibromo-3-chloropr...	12.249	75	281	0.424	ug/L #	2

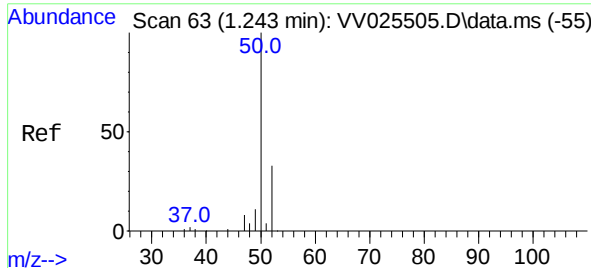
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 14 05:22:13 2022
Response via : Initial Calibration





Chloromethane

Concen: 0.041 ug/L

RT: 1.246 min Scan#

Delta R.T. 0.003 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

Instrument :

MSVOA_V

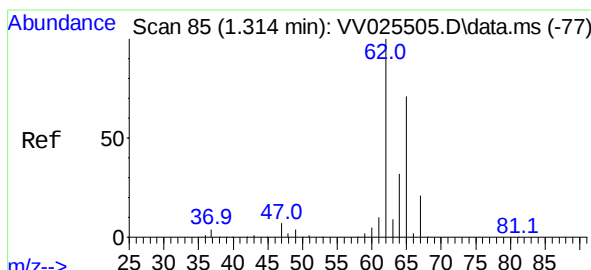
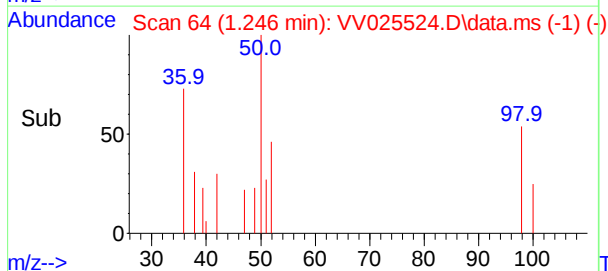
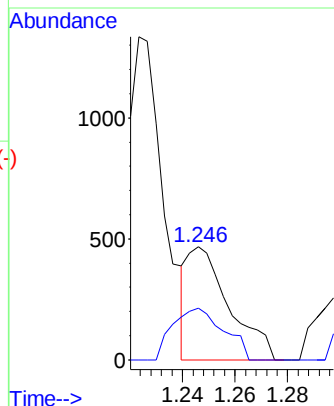
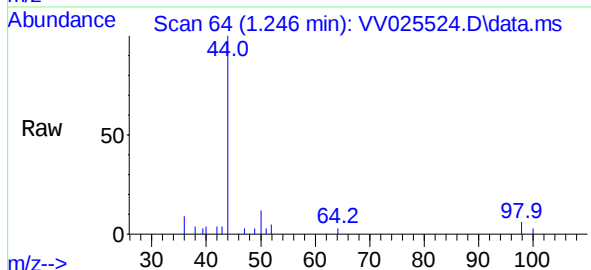
ClientSampleId :

Tgt Ion: 50 Resp: 513

Ion Ratio Lower Upper

50 100

52 45.8 23.7 43.9#



Vinyl chloride

Concen: 1.064 ug/L

RT: 1.317 min Scan# 86

Delta R.T. 0.003 min

Lab File: VV025524.D

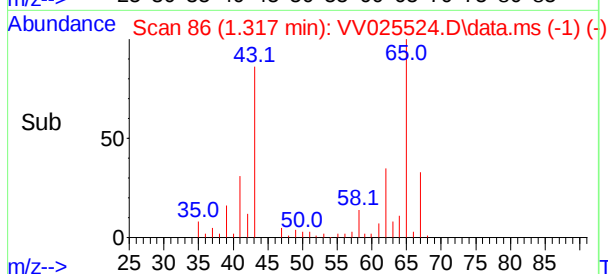
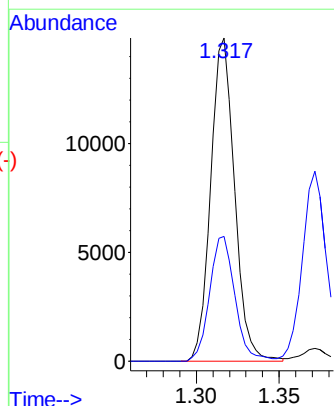
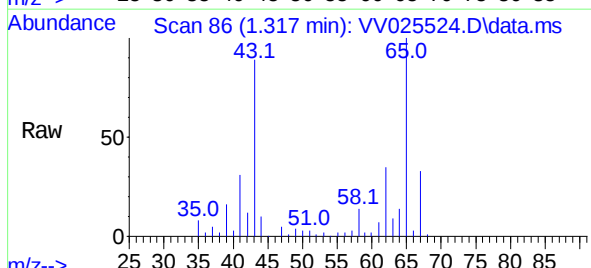
Acq: 14 Apr 2022 04:28

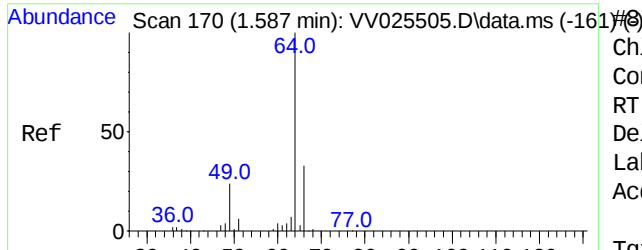
Tgt Ion: 62 Resp: 14862

Ion Ratio Lower Upper

62 100

64 38.6 23.2 43.2





Chloroethane

Concen: 0.827 ug/L

RT: 1.371 min Scan# 1

Delta R.T. -0.216 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

Instrument :

MSVOA_V

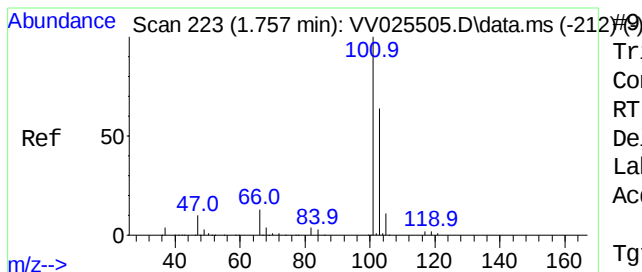
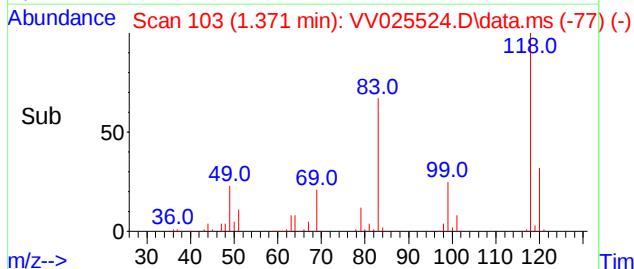
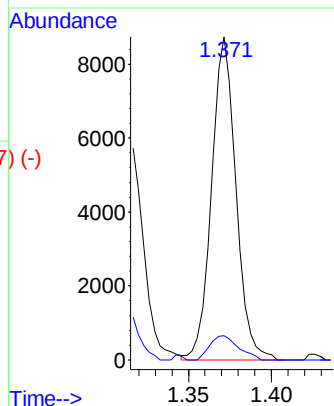
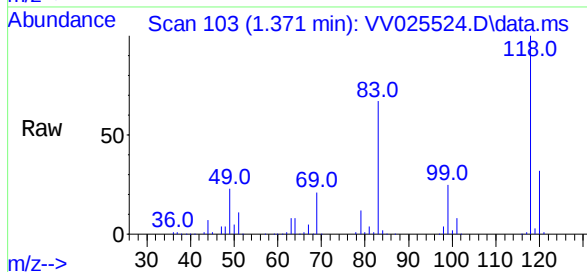
ClientSampleId :

Tgt Ion: 64 Resp: 8920

Ion Ratio Lower Upper

64 100

66 7.5 21.8 40.6#



Trichlorofluoromethane

Concen: 0.401 ug/L

RT: 1.998 min Scan# 298

Delta R.T. 0.241 min

Lab File: VV025524.D

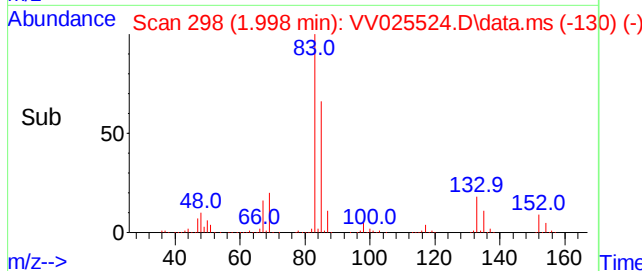
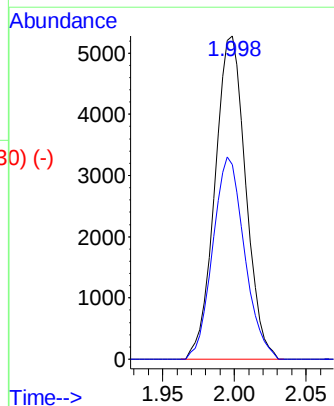
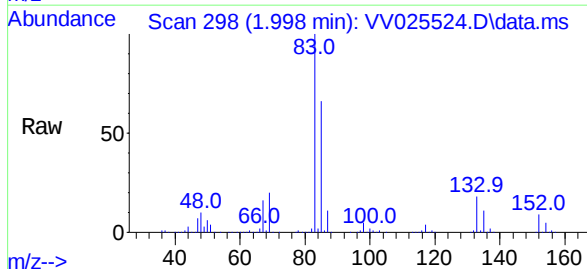
Acq: 14 Apr 2022 04:28

Tgt Ion:101 Resp: 7873

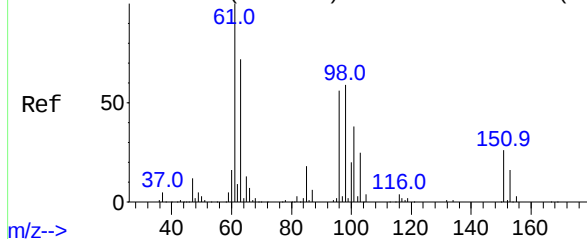
Ion Ratio Lower Upper

101 100

103 64.4 51.9 77.9

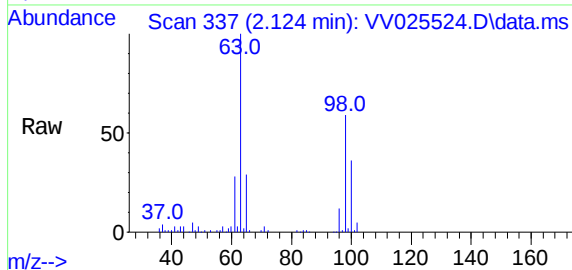


Abundance Scan 337 (2.124 min): VV025505.D\data.ms (-323) #12

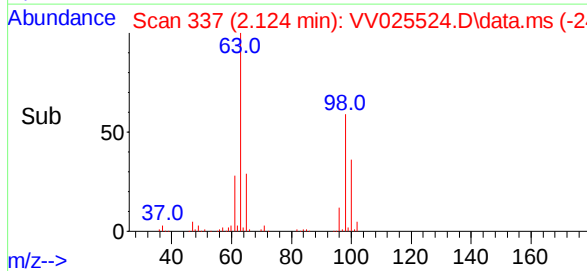
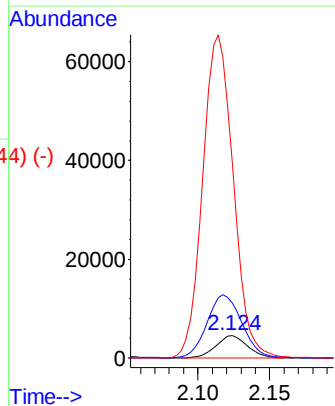


1,1-Dichloroethene
Concen: 0.627 ug/L
RT: 2.124 min Scan# 341
Delta R.T. -0.000 min
Lab File: VV025524.D
Acq: 14 Apr 2022 04:28

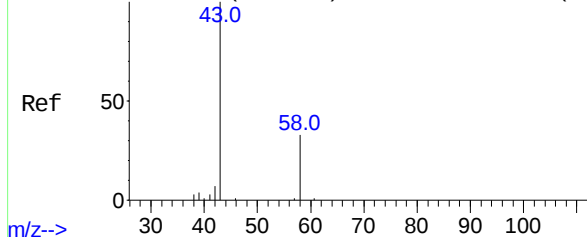
Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	96	Resp:	6853
Ion	Ratio	Lower	Upper
96	100		
61	244.2	125.2	232.4#
63	866.1	114.4	212.4#

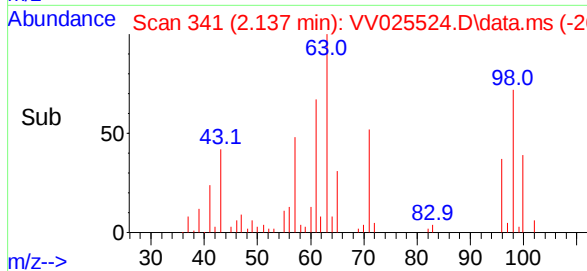
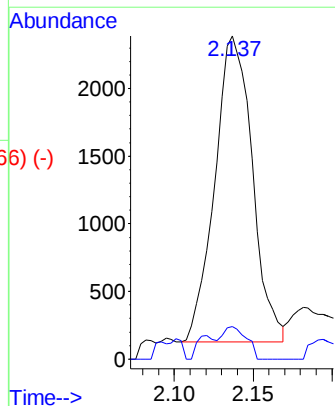
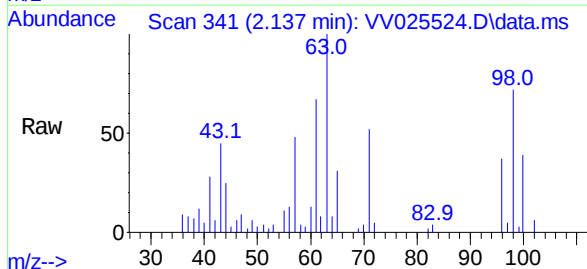


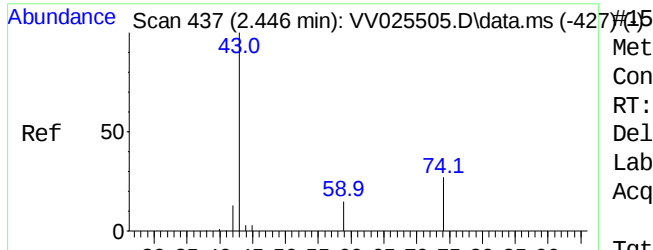
Abundance Scan 359 (2.195 min): VV025505.D\data.ms (-343) #13



Acetone
Concen: 3.893 ug/L
RT: 2.137 min Scan# 341
Delta R.T. -0.058 min
Lab File: VV025524.D
Acq: 14 Apr 2022 04:28

Tgt Ion:	43	Resp:	3764
Ion	Ratio	Lower	Upper
43	100		
58	6.8	0.0	72.2

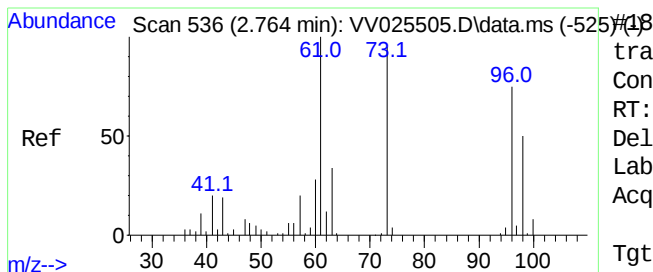
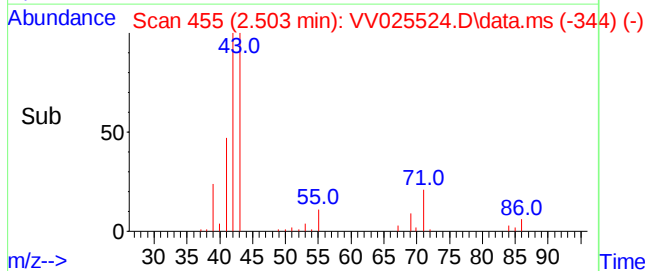
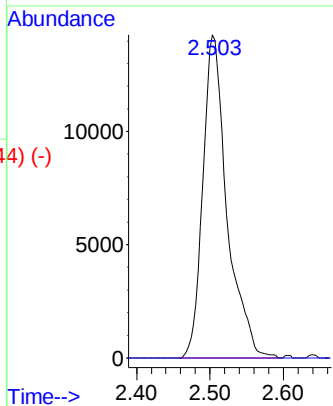
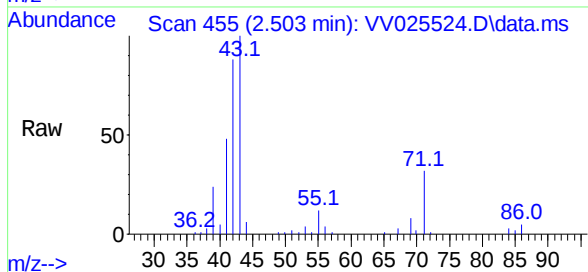




Methyl Acetate
 Concen: 15.173 ug/L
 RT: 2.503 min Scan# 415
 Delta R.T. 0.058 min
 Lab File: VV025524.D
 Acq: 14 Apr 2022 04:28

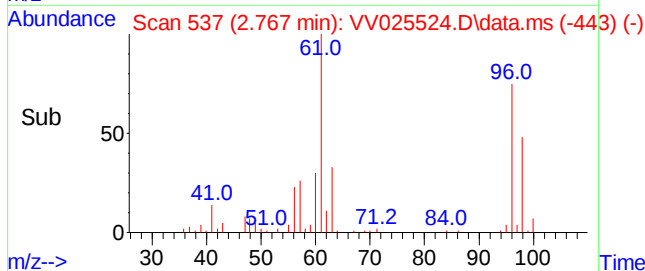
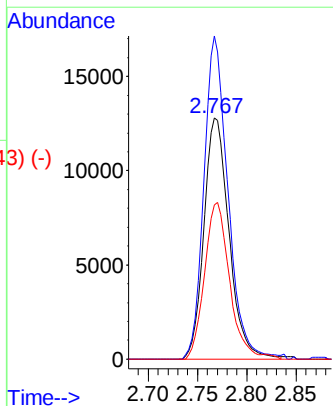
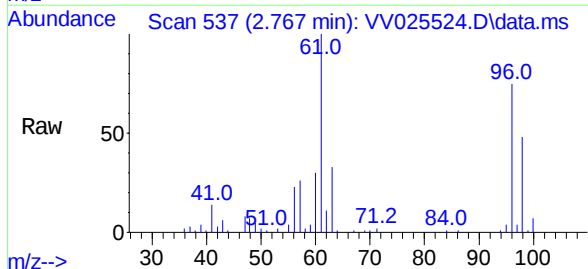
Instrument :
 MSVOA_V
 ClientSampleId :

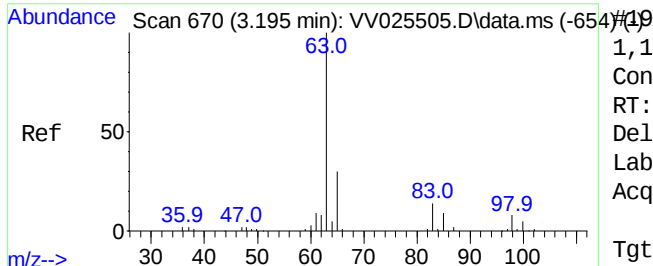
Tgt Ion: 43 Resp: 32603
 Ion Ratio Lower Upper
 43 100
 74 0.0 25.2 37.8#



trans-1,2-Dichloroethene
 Concen: 2.474 ug/L
 RT: 2.767 min Scan# 537
 Delta R.T. 0.003 min
 Lab File: VV025524.D
 Acq: 14 Apr 2022 04:28

Tgt Ion: 96 Resp: 22648
 Ion Ratio Lower Upper
 96 100
 61 134.1 92.1 171.1
 98 64.0 47.5 88.1





1,1-Dichloroethane

Concen: 0.611 ug/L

RT: 3.194 min Scan#

Delta R.T. -0.000 min

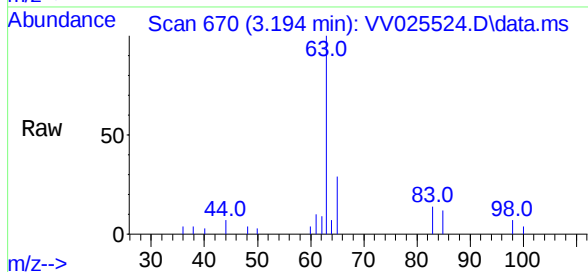
Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

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MSVOA_V

ClientSampleId :



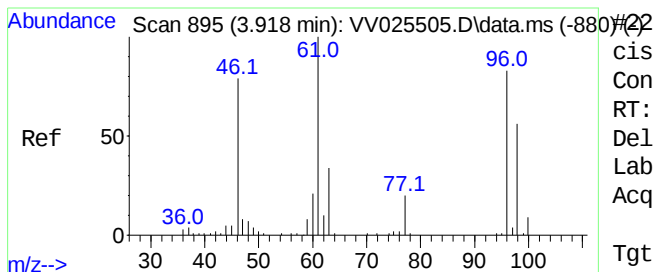
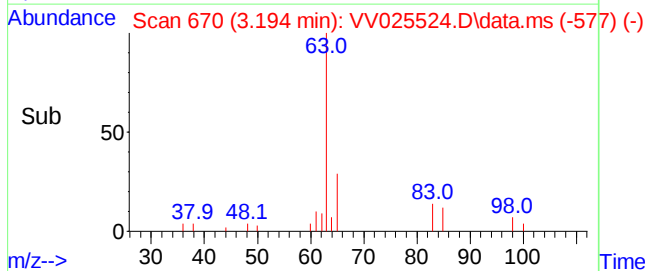
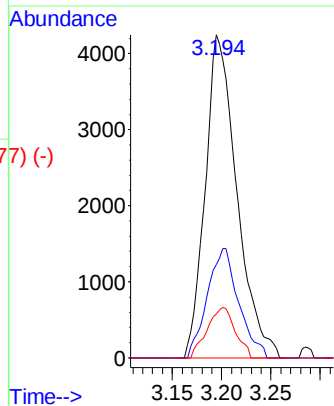
Tgt Ion: 63 Resp: 9467

Ion Ratio Lower Upper

63 100

65 28.9 23.2 43.0

83 13.6 9.0 16.8



cis-1,2-Dichloroethene

Concen: 202.957 ug/L

RT: 3.915 min Scan# 894

Delta R.T. -0.003 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

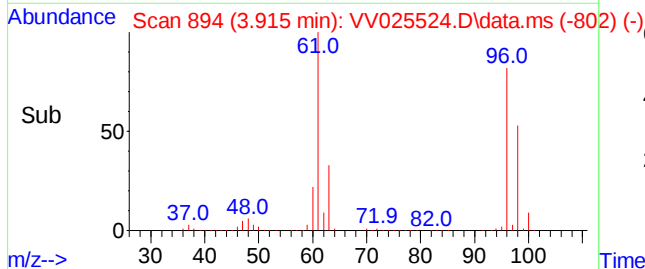
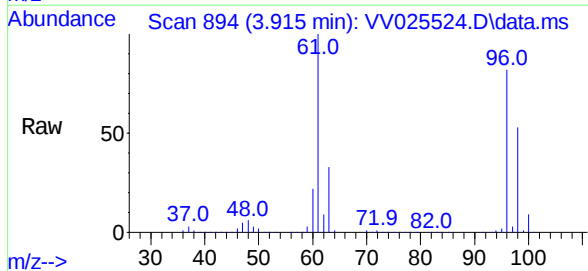
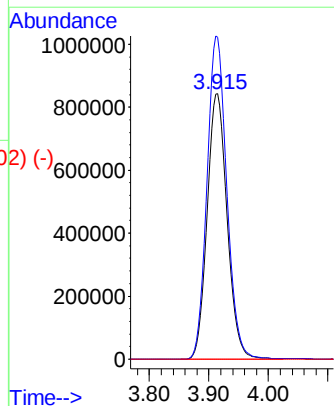
Tgt Ion: 96 Resp: 1955934

Ion Ratio Lower Upper

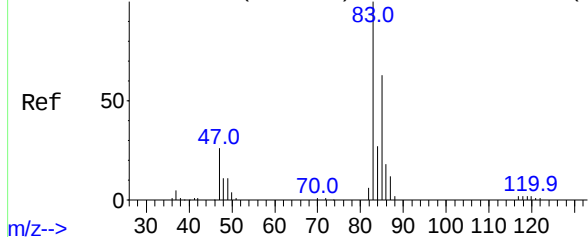
96 100

61 121.2 80.0 148.6

68 0.0 0.0 0.0



Abundance Scan 1038 (4.378 min): VV025505.D\data.ms (-1025)



Chloroform

Concen: 0.370 ug/L

RT: 4.381 min Scan# 1038

Delta R.T. 0.003 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

Instrument :

MSVOA_V

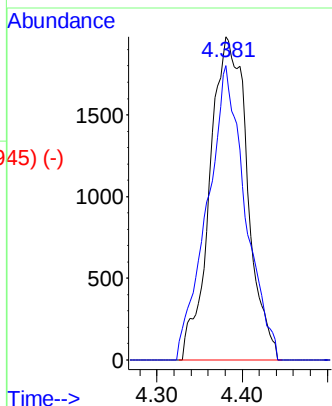
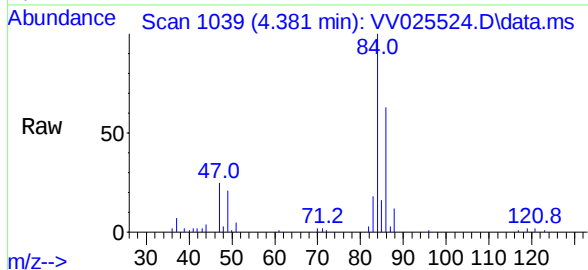
ClientSampleId :

Tgt Ion: 83 Resp: 6059

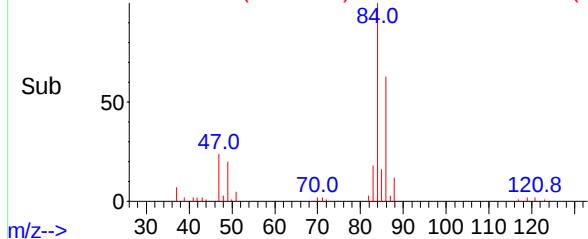
Ion Ratio Lower Upper

83 100

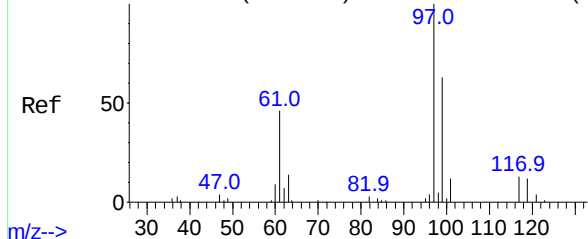
85 91.1 43.5 80.7#



Abundance Scan 1039 (4.381 min): VV025524.D\data.ms (-945) (-)



Abundance Scan 1111 (4.613 min): VV025505.D\data.ms (-1099)



1,1,1-Trichloroethane

Concen: 3.230 ug/L

RT: 4.612 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

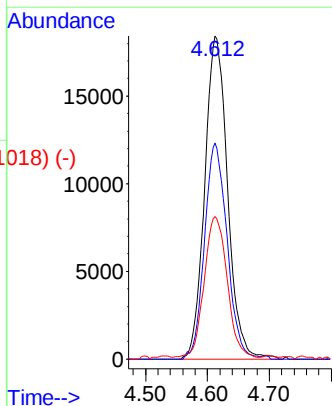
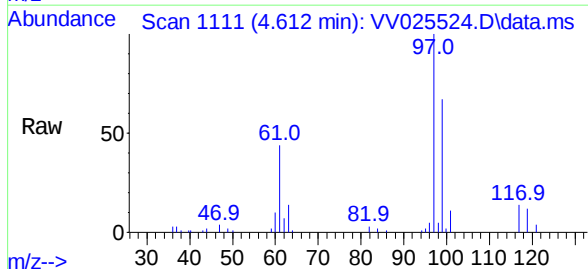
Tgt Ion: 97 Resp: 47322

Ion Ratio Lower Upper

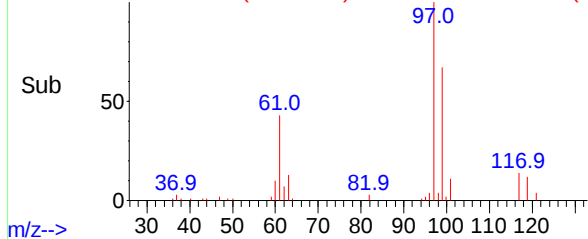
97 100

99 65.9 51.5 77.3

61 43.9 34.3 51.5



Abundance Scan 1111 (4.612 min): VV025524.D\data.ms (-1018) (-)



Abundance Scan 1132 (4.680 min): VV025505.D\data.ms (-1132) (-)

Cyclohexane

Concen: 0.163 ug/L

RT: 4.677 min Scan# 1132

Delta R.T. -0.003 min

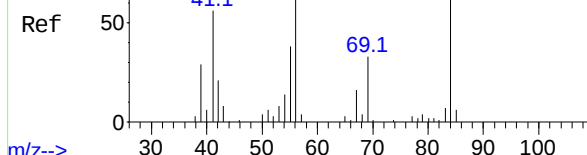
Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

Instrument :

MSVOA_V

ClientSampleId :



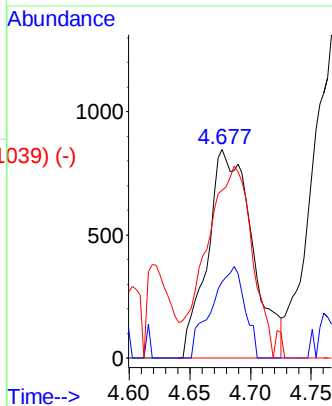
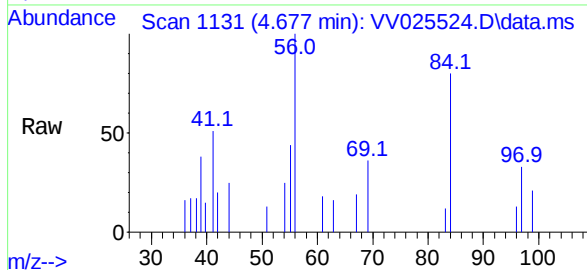
Tgt Ion: 56 Resp: 2170

Ion Ratio Lower Upper

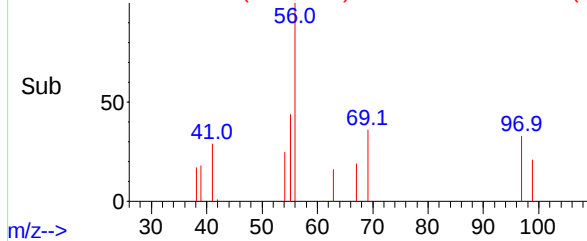
56 100

69 32.6 26.1 39.1

84 94.0 78.6 118.0



Abundance Scan 1131 (4.677 min): VV025524.D\data.ms (-1039) (-)



Abundance Scan 1179 (4.831 min): VV025505.D\data.ms (-1179) (-)

Carbon tetrachloride

Concen: 0.119 ug/L

RT: 4.837 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VV025524.D

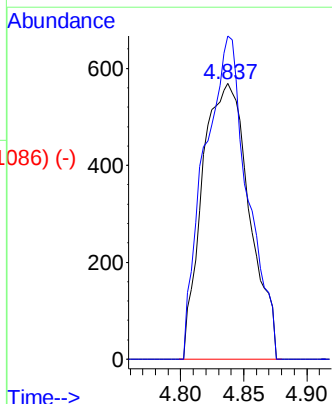
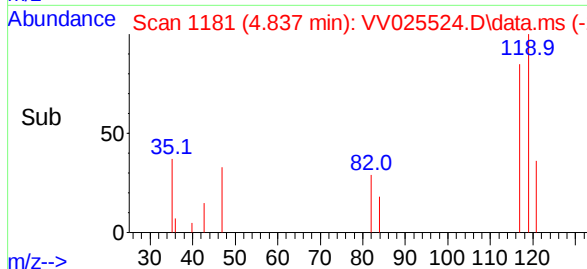
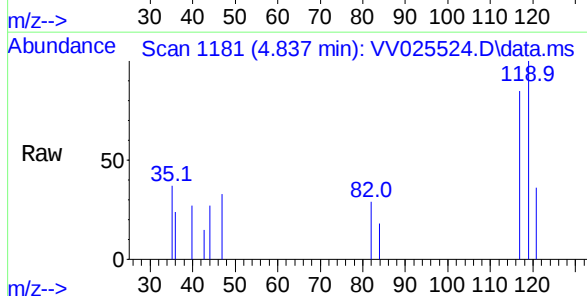
Acq: 14 Apr 2022 04:28

Tgt Ion:117 Resp: 1479

Ion Ratio Lower Upper

117 100

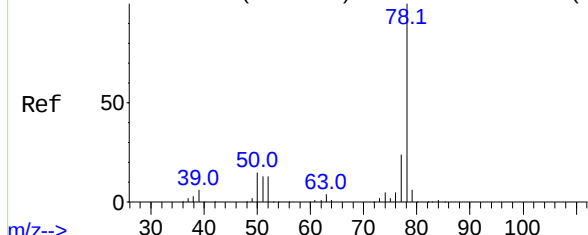
119 107.9 76.6 114.8



Abundance Scan 1181 (4.837 min): VV025524.D\data.ms (-1086) (-)



Abundance Scan 1263 (5.101 min): VV025505.D\data.ms (-1233-)



Benzene

Concen: 0.656 ug/L

RT: 5.111 min Scan#

Delta R.T. 0.009 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

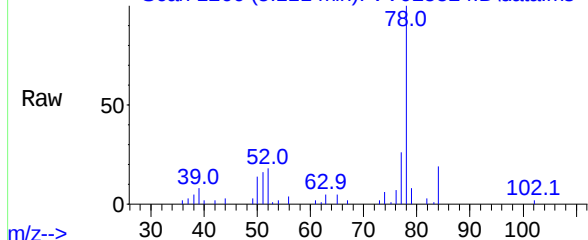
Instrument :

MSVOA_V

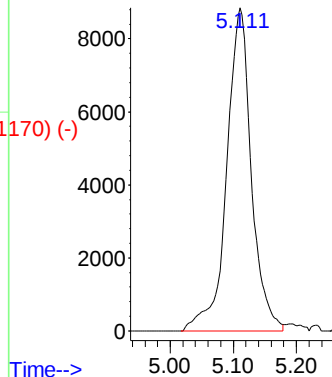
ClientSampleId :

Tgt Ion: 78 Resp: 24056

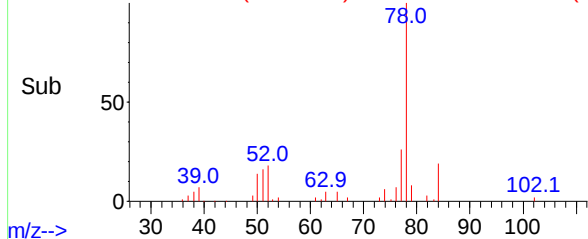
Abundance Scan 1266 (5.111 min): VV025524.D\data.ms



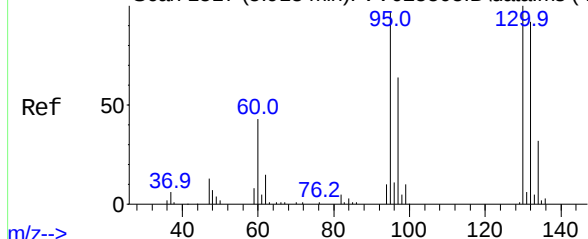
Abundance



Abundance Scan 1266 (5.111 min): VV025524.D\data.ms (-1170-)



Abundance Scan 1517 (5.918 min): VV025505.D\data.ms (-1504-)



Trichloroethene

Concen: 1168.957 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. -0.000 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

Tgt Ion: 95 Resp:11389943

Ion Ratio Lower Upper

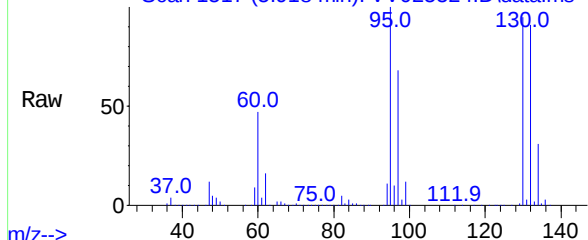
95 100

97 68.3 45.8 85.2

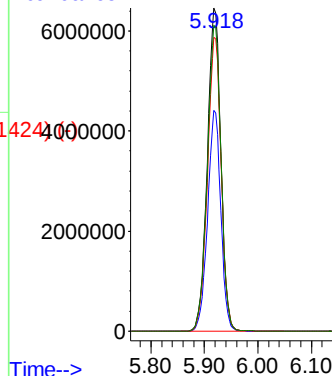
132 90.8 68.0 126.4

130 94.7 71.9 133.5

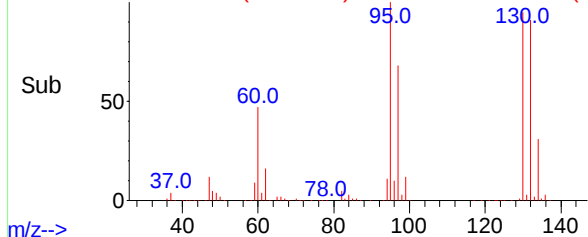
Abundance Scan 1517 (5.918 min): VV025524.D\data.ms



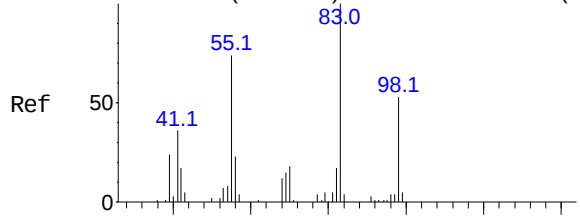
Abundance



Abundance Scan 1517 (5.918 min): VV025524.D\data.ms (-1424-)



Abundance Scan 1584 (6.134 min): VV025505.D\data.ms (-15735)



Methylcyclohexane

Concen: 0.773 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83 Resp: 12025

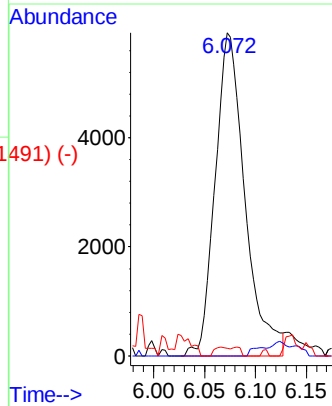
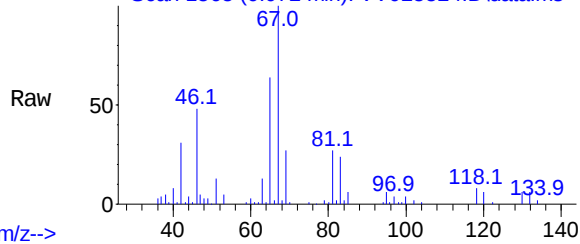
Ion Ratio Lower Upper

83 100

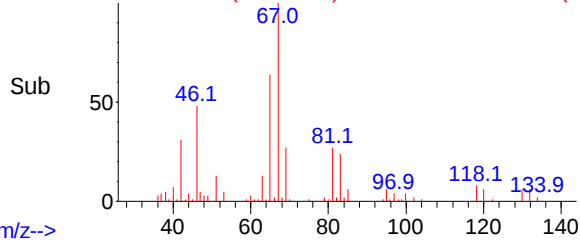
55 3.6 53.7 80.5#

98 0.0 39.6 59.4#

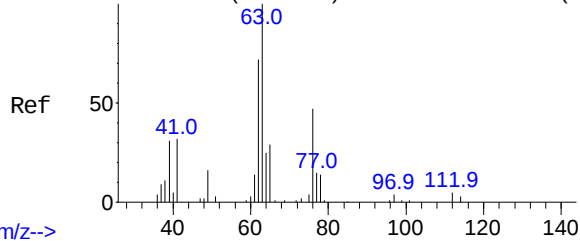
Abundance Scan 1565 (6.072 min): VV025524.D\data.ms



Abundance Scan 1565 (6.072 min): VV025524.D\data.ms (-1491) (-)



Abundance Scan 1597 (6.175 min): VV025505.D\data.ms (-15737)



1,2-Dichloropropane

Concen: 0.667 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.103 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

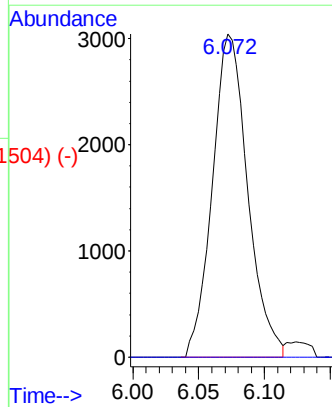
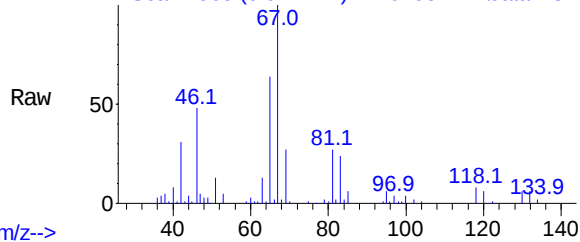
Tgt Ion: 63 Resp: 5666

Ion Ratio Lower Upper

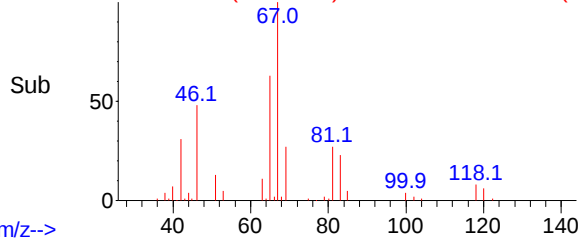
63 100

112 0.4 3.8 5.8#

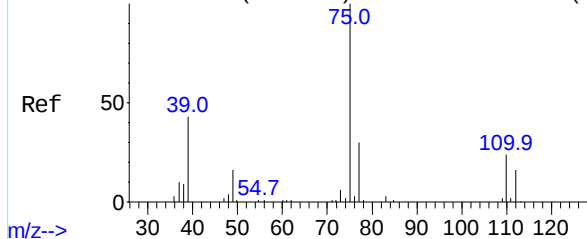
Abundance Scan 1565 (6.072 min): VV025524.D\data.ms



Abundance Scan 1565 (6.072 min): VV025524.D\data.ms (-1504) (-)



Abundance Scan 1863 (7.031 min): VV025505.D\data.ms (-18529)

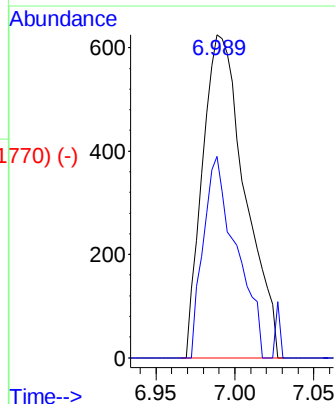
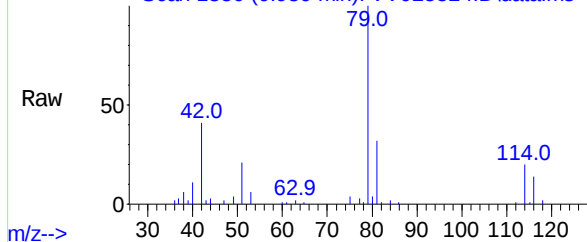


cis-1,3-Dichloropropene
Concen: 0.105 ug/L
RT: 6.989 min Scan# 1169
Delta R.T. -0.042 min
Lab File: VV025524.D
Acq: 14 Apr 2022 04:28

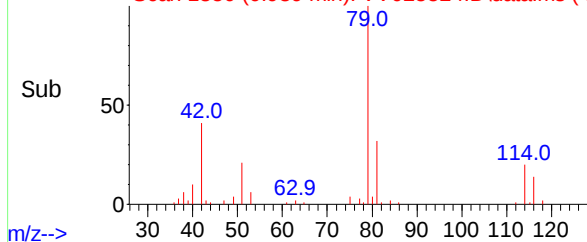
Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 1169
Ion Ratio Lower Upper
75 100
77 62.4 21.8 40.6#

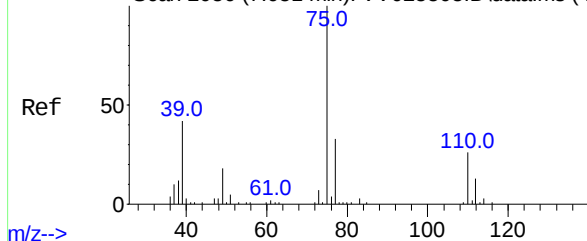
Abundance Scan 1850 (6.989 min): VV025524.D\data.ms



Abundance Scan 1850 (6.989 min): VV025524.D\data.ms (-1770) (-)



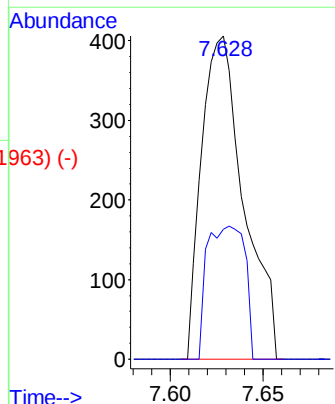
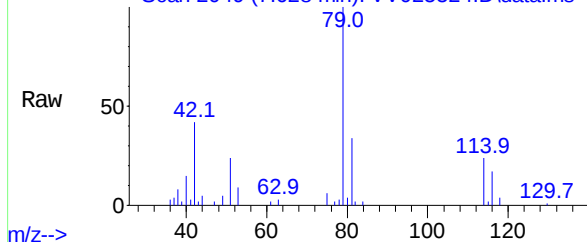
Abundance Scan 2056 (7.651 min): VV025505.D\data.ms (-20444)



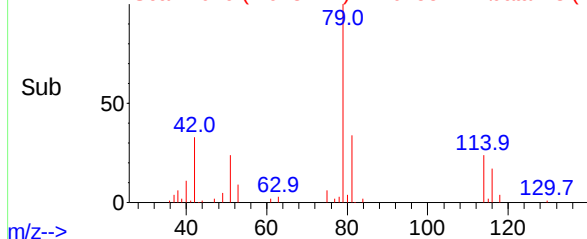
trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 7.628 min Scan# 2049
Delta R.T. -0.023 min
Lab File: VV025524.D
Acq: 14 Apr 2022 04:28

Tgt Ion: 75 Resp: 644
Ion Ratio Lower Upper
75 100
77 40.1 21.7 40.3

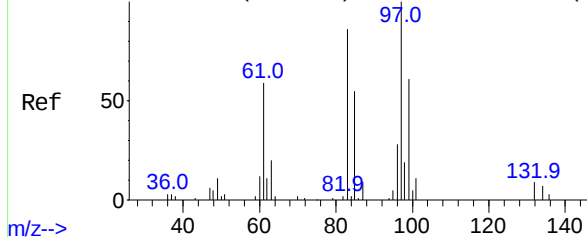
Abundance Scan 2049 (7.628 min): VV025524.D\data.ms



Abundance Scan 2049 (7.628 min): VV025524.D\data.ms (-1963) (-)



Abundance Scan 2115 (7.841 min): VV025505.D\data.ms (-21035-)

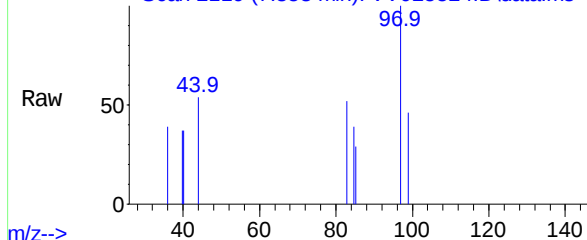


1,1,2-Trichloroethane
Concen: 0.105 ug/L
RT: 7.853 min Scan# 2119
Delta R.T. 0.013 min
Lab File: VV025524.D
Acq: 14 Apr 2022 04:28

Instrument :
MSVOA_V
ClientSampleId :

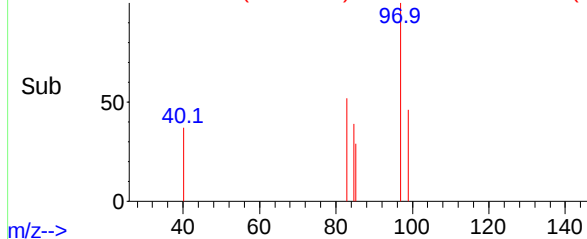
m/z-->

Abundance Scan 2119 (7.853 min): VV025524.D\data.ms

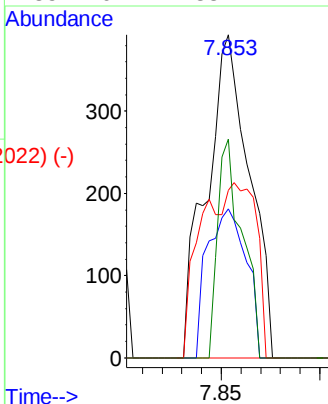


m/z-->

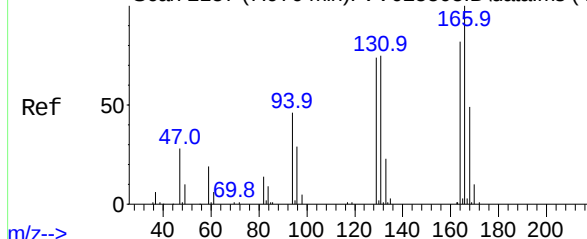
Abundance Scan 2119 (7.853 min): VV025524.D\data.ms (-2022) (-)



m/z-->



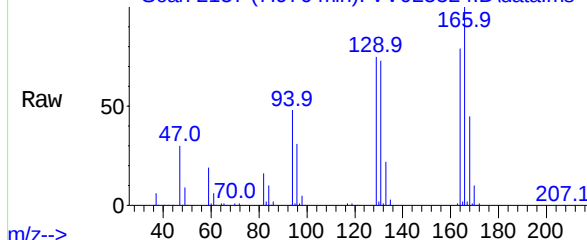
Abundance Scan 2157 (7.976 min): VV025505.D\data.ms (-21457-)



Tetrachloroethene
Concen: 12.548 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV025524.D
Acq: 14 Apr 2022 04:28

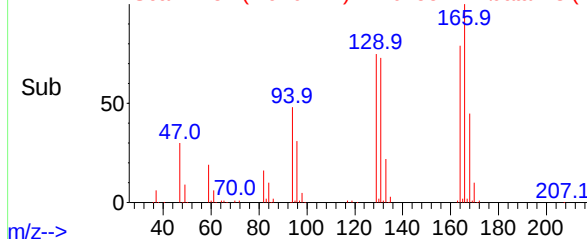
m/z-->

Abundance Scan 2157 (7.976 min): VV025524.D\data.ms

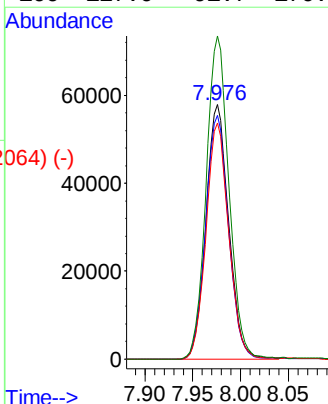


m/z-->

Abundance Scan 2157 (7.976 min): VV025524.D\data.ms (-2064) (-)



m/z-->



Abundance Scan 2241 (8.246 min): VV025505.D\data.ms (-2241) (-)

Dibromochloromethane

Concen: 14.252 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

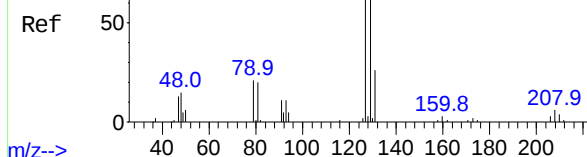
Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

Instrument :

MSVOA_V

ClientSampleId :

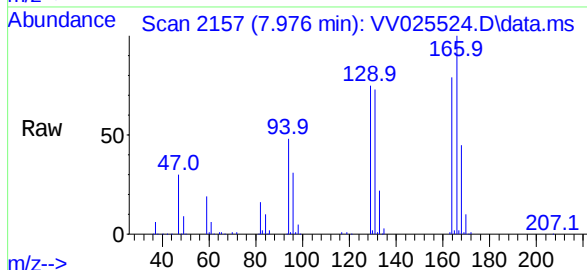


Tgt Ion:129 Resp: 88948

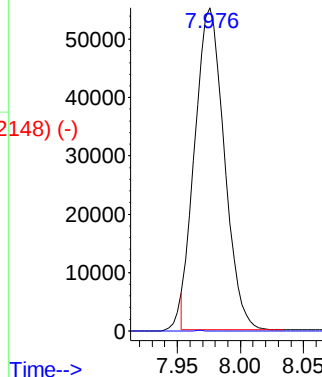
Ion Ratio Lower Upper

129 100

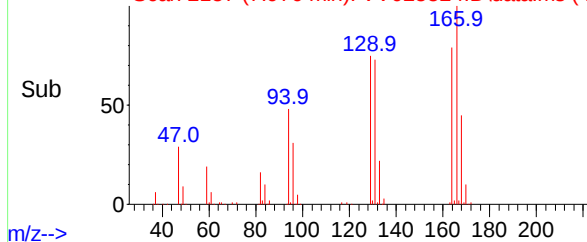
127 0.0 53.8 100.0#



Abundance



Abundance Scan 2157 (7.976 min): VV025524.D\data.ms (-2148) (-)



Abundance Scan 2872 (10.275 min): VV025505.D\data.ms (-2861) (-)

1,2,3-Trichloropropane

Concen: 1.847 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV025524.D

Acq: 14 Apr 2022 04:28

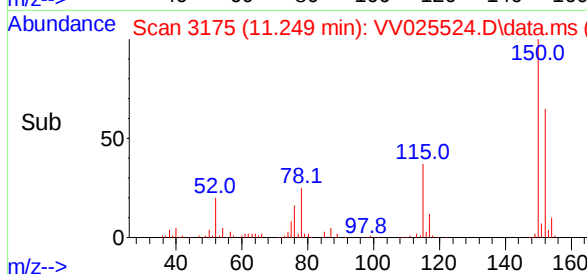
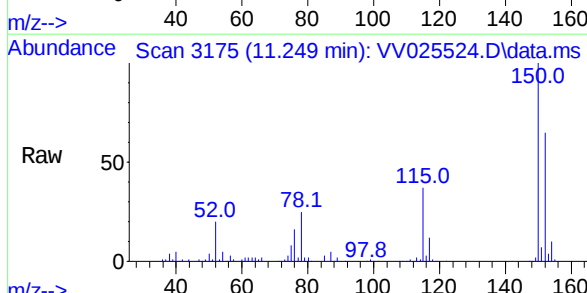
Tgt Ion: 75 Resp: 7079

Ion Ratio Lower Upper

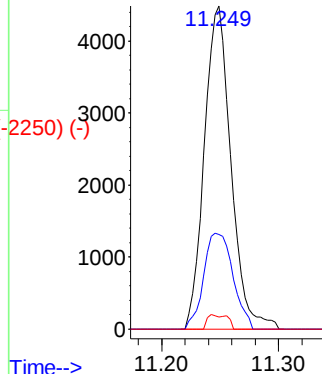
75 100

77 32.7 25.6 38.4

110 3.2 34.7 52.1#



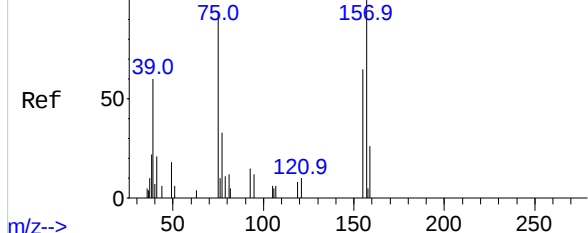
Abundance



Abundance Scan 3175 (11.249 min): VV025524.D\data.ms (-2250) (-)

m/z-->

Abundance Scan 3541 (12.426 min): VV025505.D\data.ms (-3548)



1,2-Dibromo-3-chloropropane

Concen: 0.424 ug/L

RT: 12.249 min Scan# 3486

Delta R.T. -0.177 min

Lab File: VV025524.D

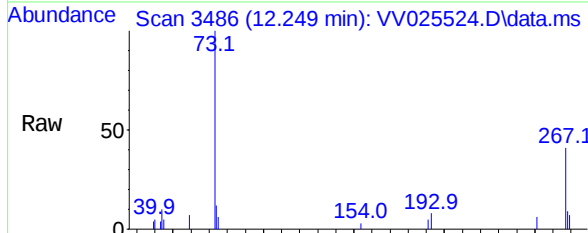
Acq: 14 Apr 2022 04:28

Instrument :

MSVOA_V

ClientSampleId :

m/z--> Abundance Scan 3486 (12.249 min): VV025524.D\data.ms



Tgt Ion: 75 Resp: 281

Ion Ratio Lower Upper

75 100

155 0.0 65.8 98.8#

157 0.0 86.6 130.0#

m/z--> Abundance Scan 3486 (12.249 min): VV025524.D\data.ms (-3448)

