

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091622\
 Data File : VW027875.D
 Acq On : 16 Sep 2022 12:24
 Operator : SY/MD
 Sample : N4652-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 22:07:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 16 22:04:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	134445	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.850	117	131653	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	63725	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	32411	3.657	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.200%
7) Chloroethane-d5	1.568	69	34346	4.569	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.105	63	52392	2.786	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.800%#
20) 2-Butanone-d5	3.896	46	73200	37.270	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.540%
24) Chloroform-d	4.346	84	90359	4.980	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.034	65	45459	4.704	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.047	84	159767	4.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.066	67	44974	4.022	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.400%
41) Toluene-d8	7.313	98	130809	4.073	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	7.625	79	14001	3.732	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.600%
46) 2-Hexanone-d5	8.088	63	56267	40.350	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.700%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	31854	4.436	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	51211	4.892	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	626	0.052	ug/L #	74
5) Vinyl chloride	1.311	62	2048	0.169	ug/L #	65
6) Bromomethane	1.526	94	395	0.061	ug/L	88
12) 1,1-Dichloroethene	2.114	96	2112	0.237	ug/L #	1
14) Carbon disulfide	2.291	76	1648	0.062	ug/L #	90
17) Methyl tert-butyl Ether	2.770	73	5022	0.237	ug/L #	91
18) trans-1,2-Dichloroethene	2.754	96	956	0.102	ug/L #	70
19) 1,1-Dichloroethane	3.191	63	22106	1.252	ug/L	95
22) cis-1,2-Dichloroethene	3.912	96	31299	3.052	ug/L #	83
25) Chloroform	4.375	83	1451	0.074	ug/L #	64
27) 1,2-Dichloroethane	5.150	62	2167	0.182	ug/L	98
29) 1,1,1-Trichloroethane	4.609	97	3736	0.185	ug/L	98
34) Trichloroethene	5.918	95	3806	0.350	ug/L	90
35) Methylcyclohexane	6.066	83	12892	0.771	ug/L #	20
37) 1,2-Dichloropropane	6.069	63	5973	0.579	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	1093	0.084	ug/L #	54
47) Tetrachloroethene	7.976	164	2250	0.258	ug/L	89
49) Dibromochloromethane	7.976	129	2121	0.250	ug/L #	10
61) 1,2,3-Trichloropropane	11.246	75	5757	1.141	ug/L #	63

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QLast Update : Fri Sep 16 22:04:36 2022
Response via : Initial Calibration

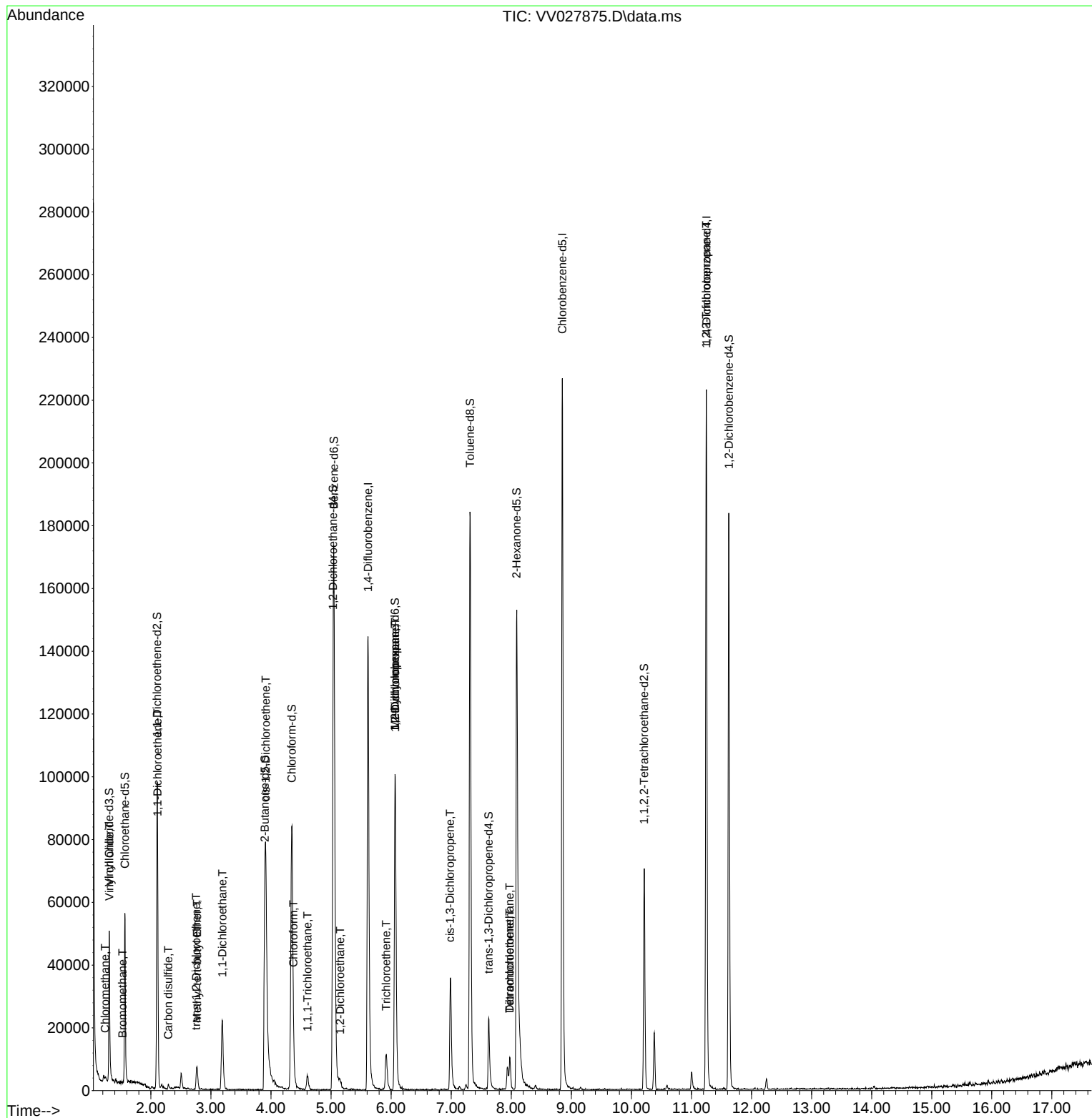
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

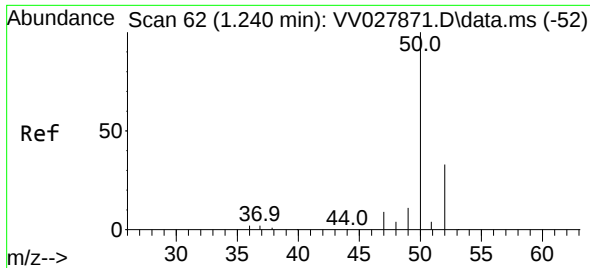
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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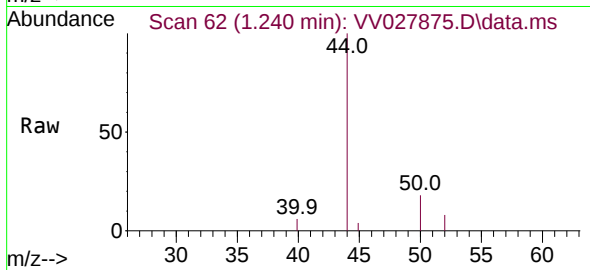
Quant Time: Sep 16 22:07:19 2022
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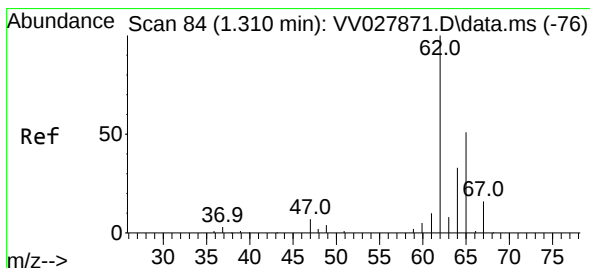
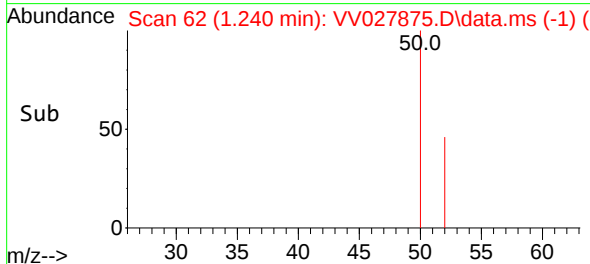
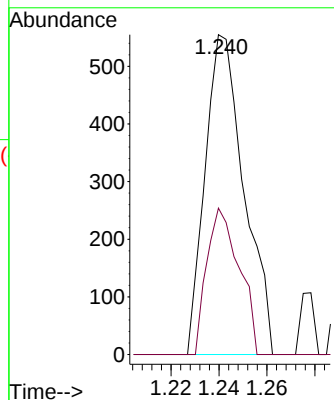


#3
Chloromethane
Concen: 0.052 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

Instrument :
MSVOA_V
ClientSampleId :

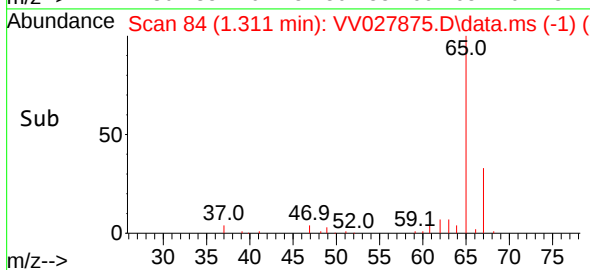
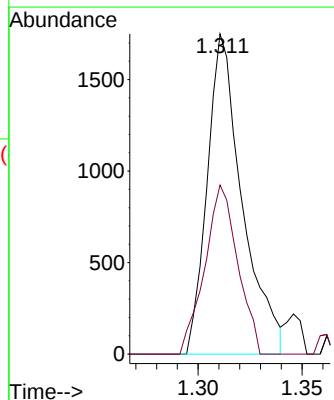
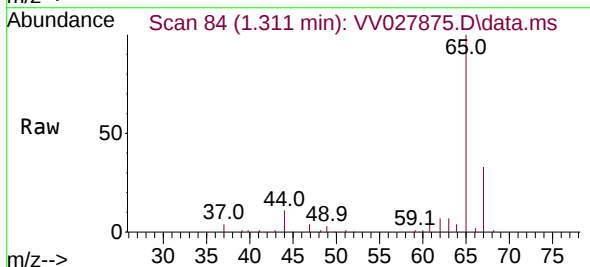


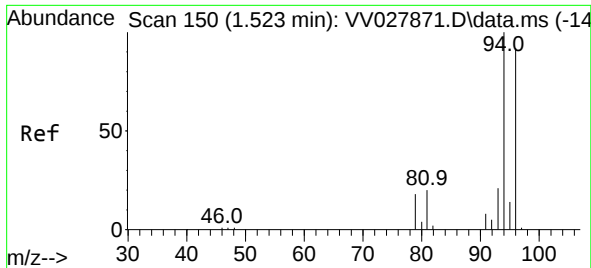
Tgt Ion: 50 Resp: 626
Ion Ratio Lower Upper
50 100
52 45.8 22.1 41.1#



#5
Vinyl chloride
Concen: 0.169 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

Tgt Ion: 62 Resp: 2048
Ion Ratio Lower Upper
62 100
64 52.8 23.2 43.2#

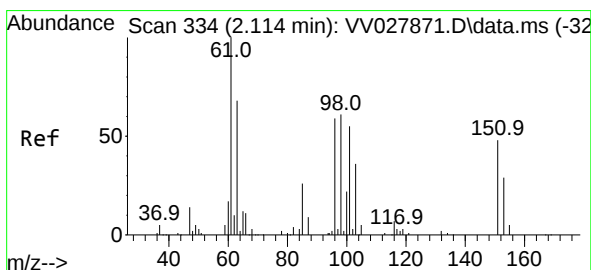
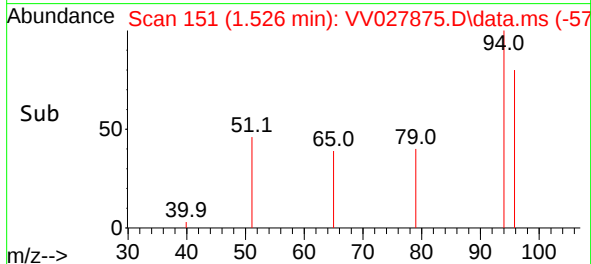
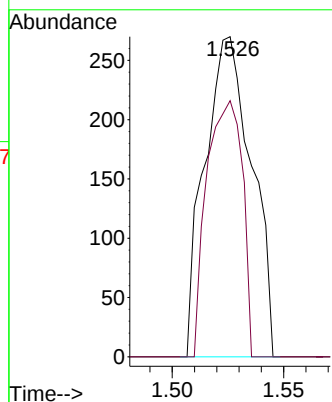
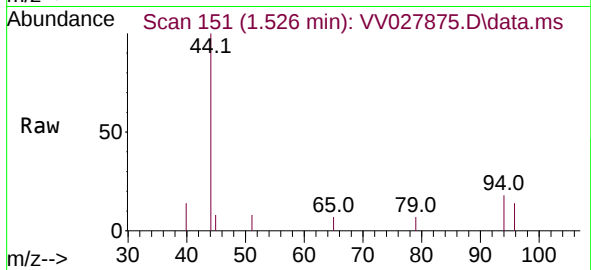




#6
Bromomethane
Concen: 0.061 ug/L
RT: 1.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

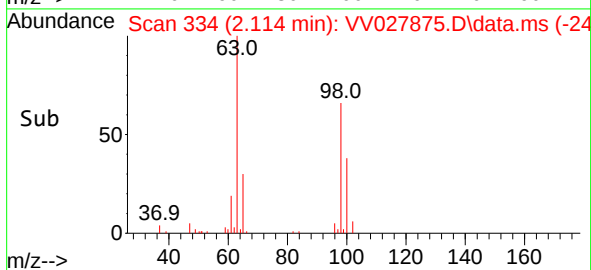
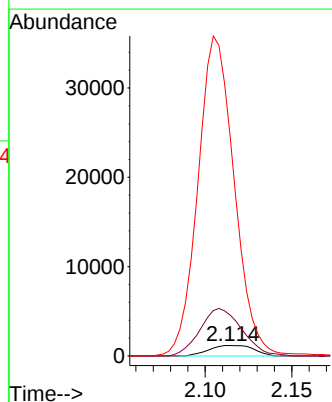
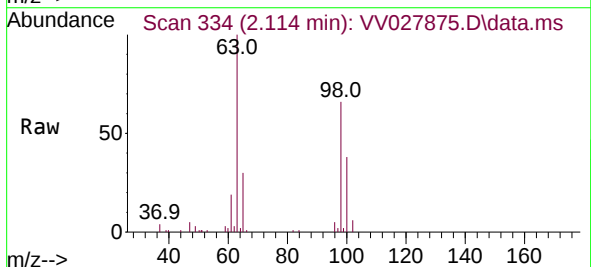
Instrument :
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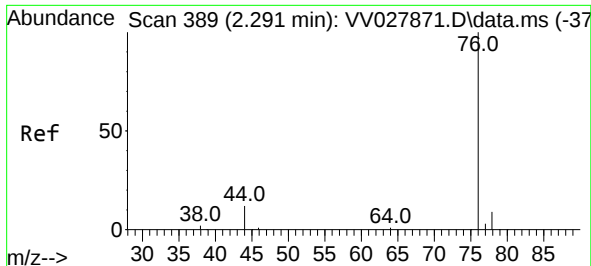
Tgt Ion: 94 Resp: 395
Ion Ratio Lower Upper
94 100
96 80.0 64.2 119.2



#12
1,1-Dichloroethene
Concen: 0.237 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

Tgt Ion: 96 Resp: 2112
Ion Ratio Lower Upper
96 100
61 392.5 129.9 241.3#
63 2105.3 94.6 175.8#

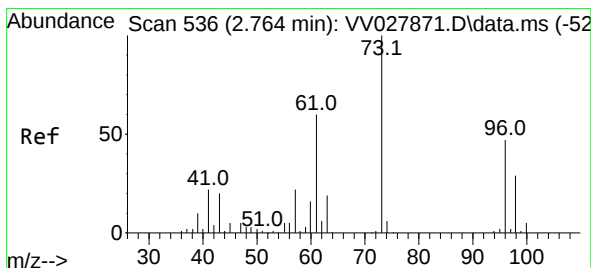
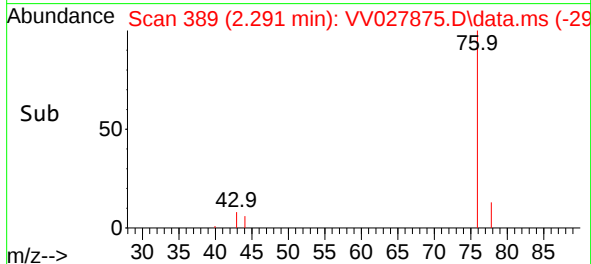
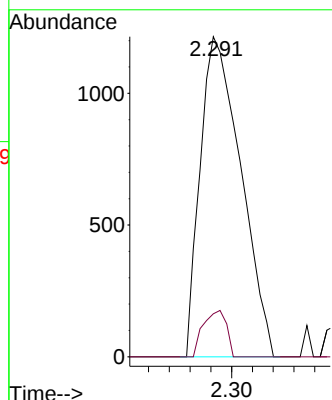
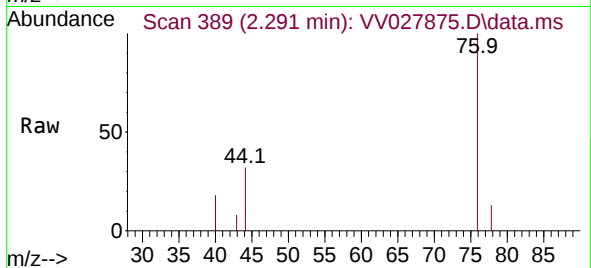




#14
Carbon disulfide
Concen: 0.062 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

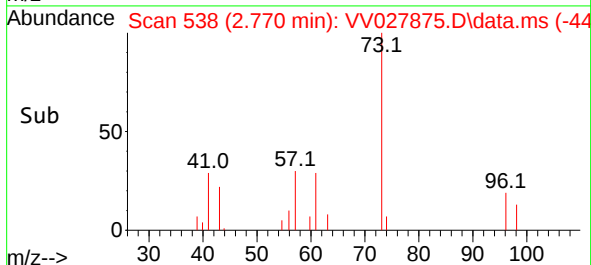
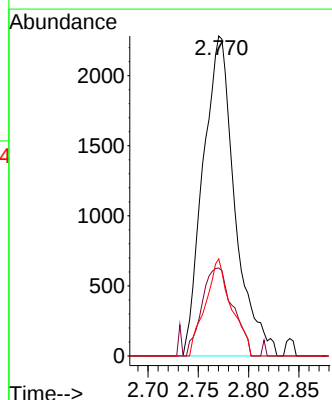
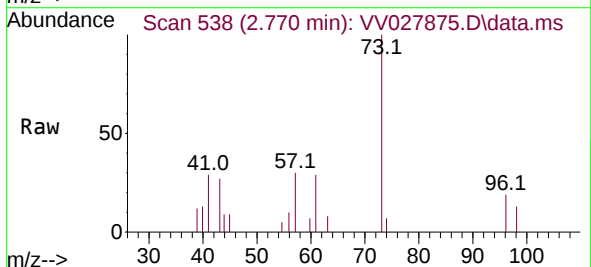
Instrument :
MSVOA_V
ClientSampleId :

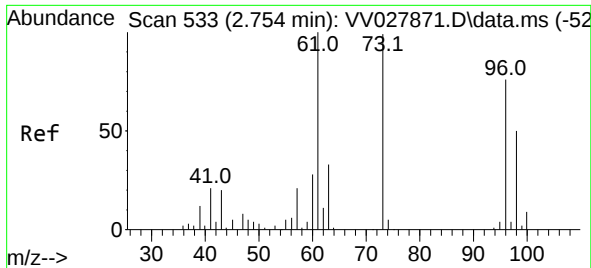
Tgt Ion: 76 Resp: 1648
Ion Ratio Lower Upper
76 100
78 13.4 7.7 11.5#



#17
Methyl tert-butyl Ether
Concen: 0.237 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.006 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

Tgt Ion: 73 Resp: 5022
Ion Ratio Lower Upper
73 100
43 27.0 17.5 26.3#
57 24.8 16.9 25.3

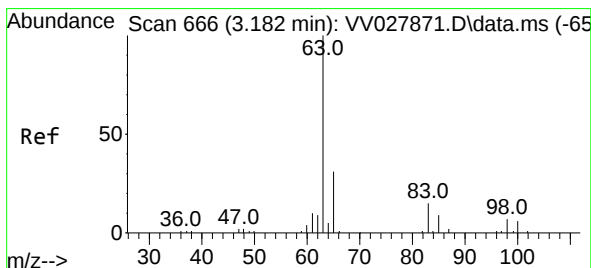
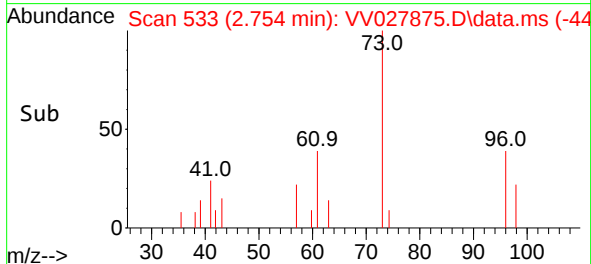
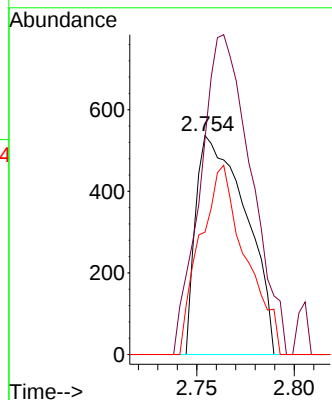
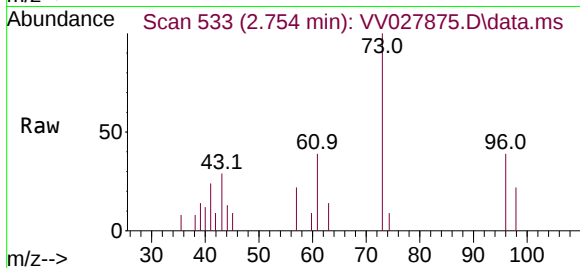




#18
trans-1,2-Dichloroethene
Concen: 0.102 ug/L
RT: 2.754 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

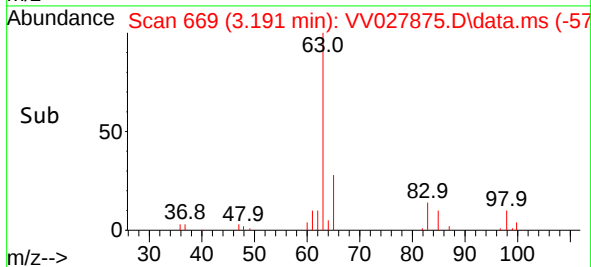
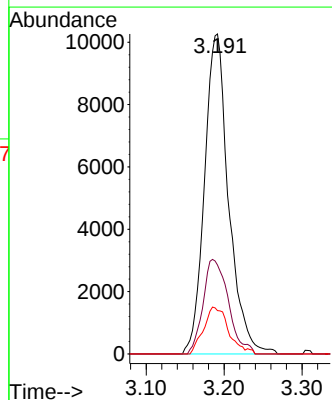
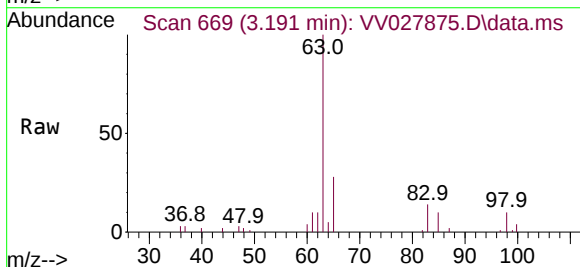
Instrument :
MSVOA_V
ClientSampleId :

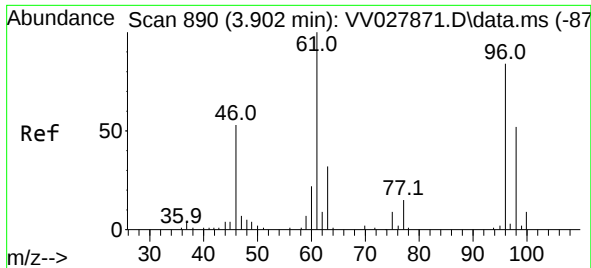
Tgt Ion: 96 Resp: 956
Ion Ratio Lower Upper
96 100
61 98.3 102.6 190.5#
98 55.9 44.0 81.8



#19
1,1-Dichloroethane
Concen: 1.252 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.010 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

Tgt Ion: 63 Resp: 22106
Ion Ratio Lower Upper
63 100
65 27.8 22.0 41.0
83 13.6 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 3.052 ug/L

RT: 3.912 min Scan# 890

Delta R.T. 0.010 min

Lab File: VV027875.D

Acq: 16 Sep 2022 12:24

Instrument :

MSVOA_V

ClientSampleId :

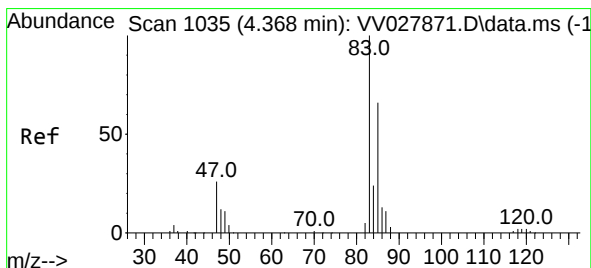
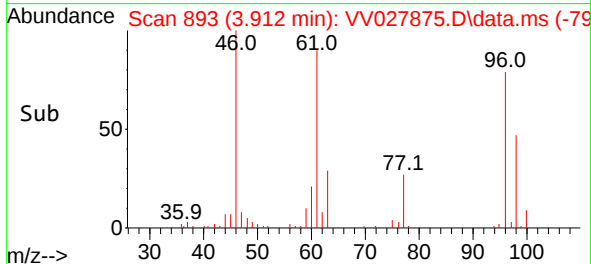
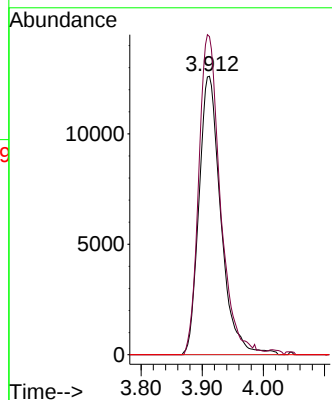
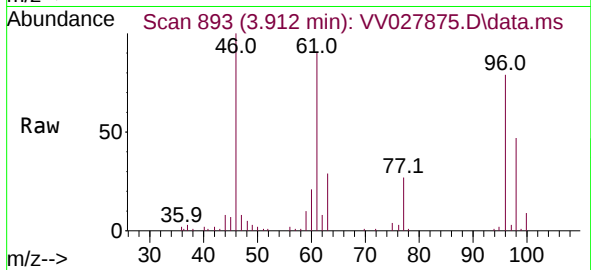
Tgt Ion: 96 Resp: 31299

Ion Ratio Lower Upper

96 100

61 114.2 94.6 175.6

68 0.0 0.3 0.5#



#25

Chloroform

Concen: 0.074 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VV027875.D

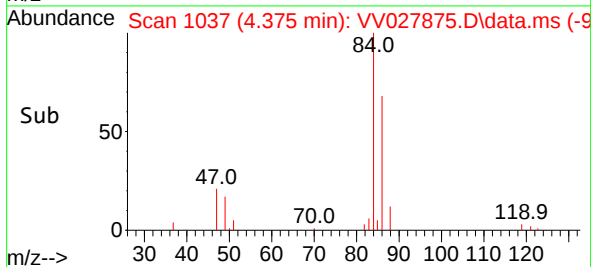
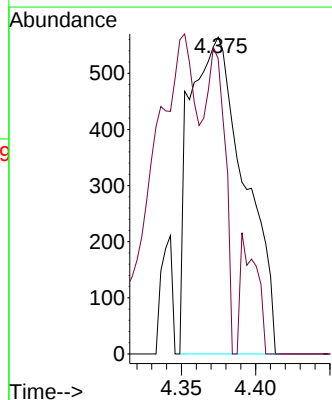
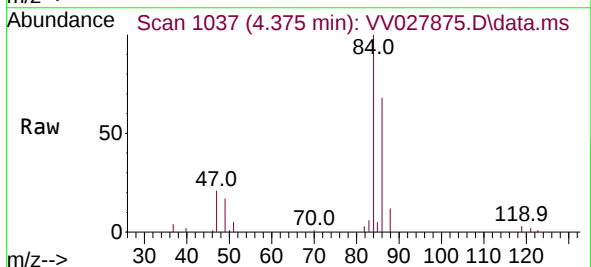
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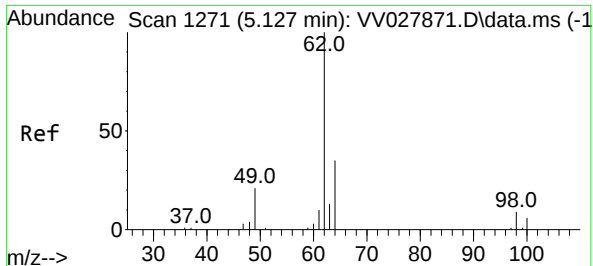
Tgt Ion: 83 Resp: 1451

Ion Ratio Lower Upper

83 100

85 93.3 45.4 84.2#





#27

1,2-Dichloroethane

Concen: 0.182 ug/L

RT: 5.150 min Scan# 1110

Delta R.T. 0.023 min

Lab File: VV027875.D

Acq: 16 Sep 2022 12:24

Instrument :

MSVOA_V

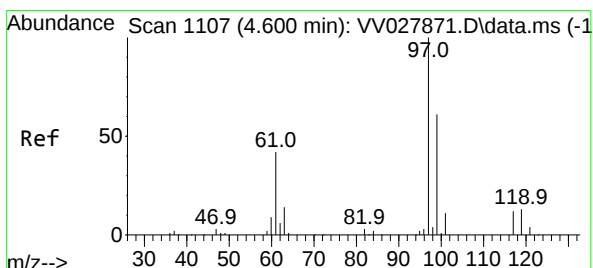
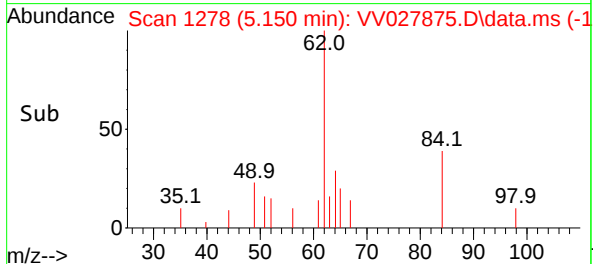
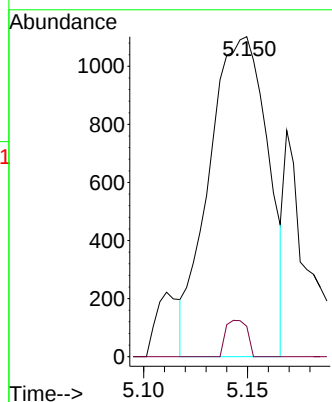
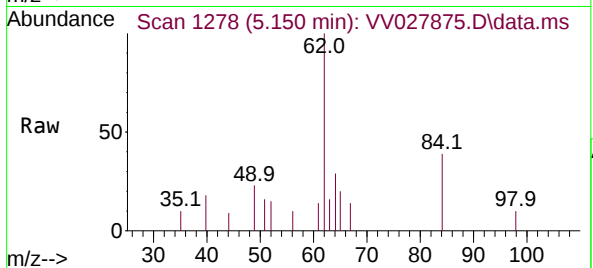
ClientSampleId :

Tgt Ion: 62 Resp: 2167

Ion Ratio Lower Upper

62 100

98 9.5 7.1 10.7



#29

1,1,1-Trichloroethane

Concen: 0.185 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.010 min

Lab File: VV027875.D

Acq: 16 Sep 2022 12:24

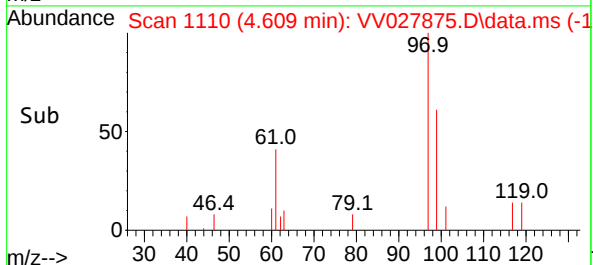
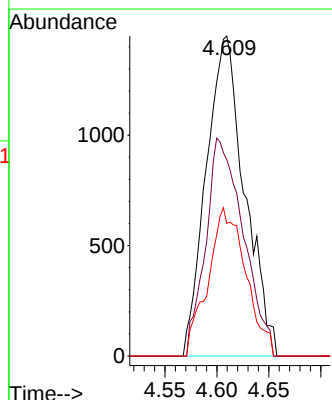
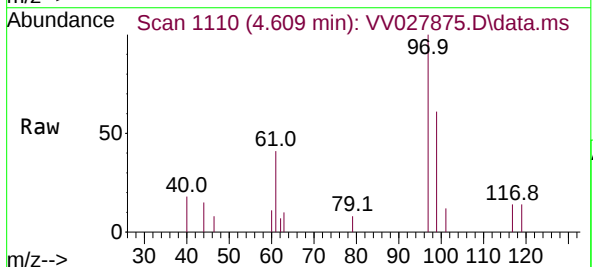
Tgt Ion: 97 Resp: 3736

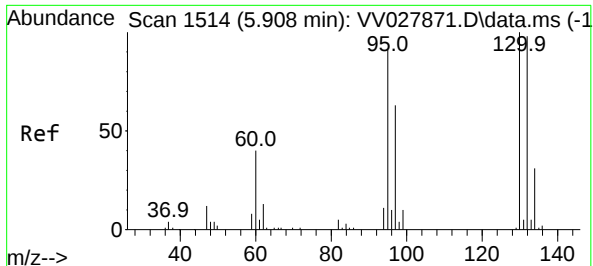
Ion Ratio Lower Upper

97 100

99 66.4 50.8 76.2

61 45.3 36.2 54.4





#34

Trichloroethene

Concen: 0.350 ug/L

RT: 5.918 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV027875.D

Acq: 16 Sep 2022 12:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 3806

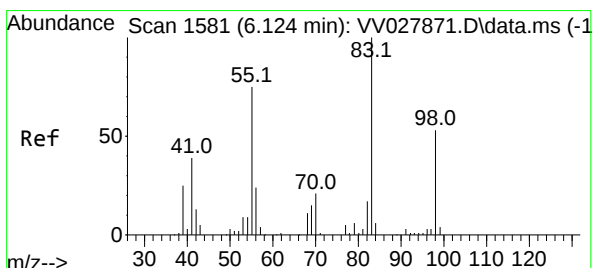
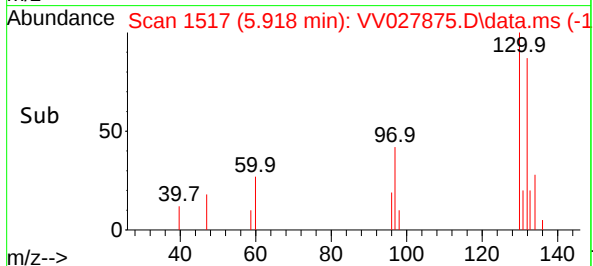
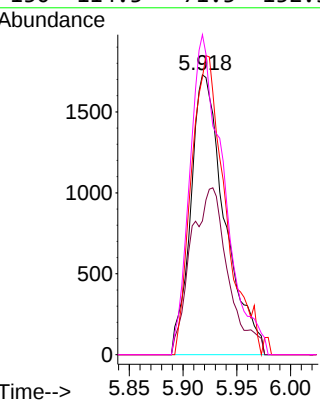
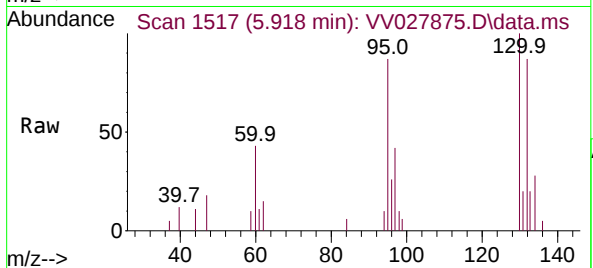
Ion Ratio Lower Upper

95 100

97 47.8 42.9 79.7

132 99.1 67.9 126.1

130 114.3 71.3 132.3



#35

Methylcyclohexane

Concen: 0.771 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV027875.D

Acq: 16 Sep 2022 12:24

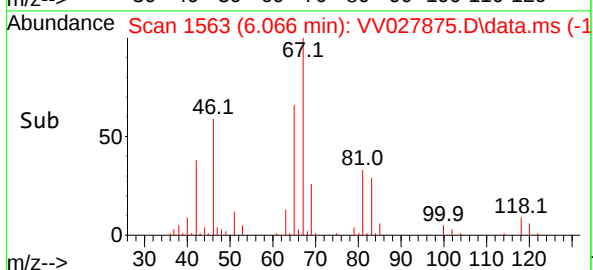
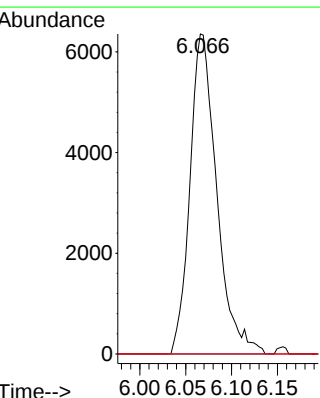
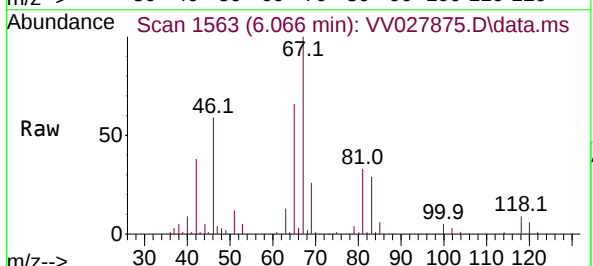
Tgt Ion: 83 Resp: 12892

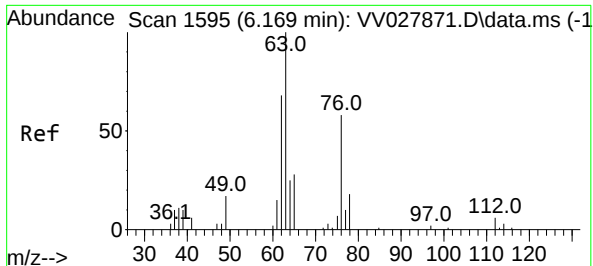
Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

98 3.5 37.5 56.3#





#37

1,2-Dichloropropane

Concen: 0.579 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV027875.D

Acq: 16 Sep 2022 12:24

Instrument :

MSVOA_V

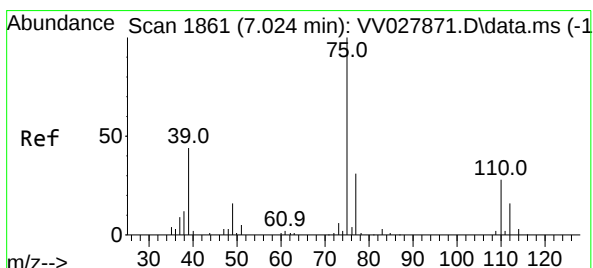
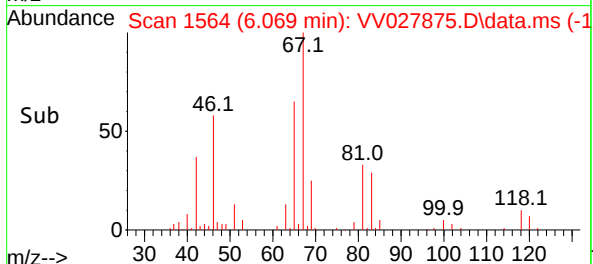
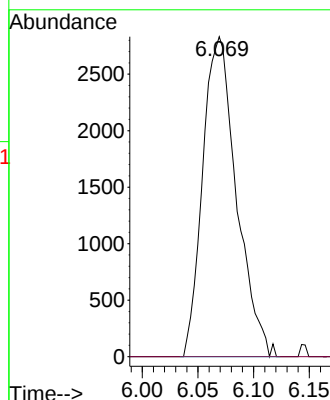
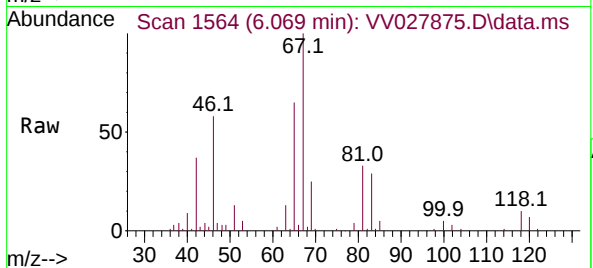
ClientSampleId :

Tgt Ion: 63 Resp: 5973

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. -0.042 min

Lab File: VV027875.D

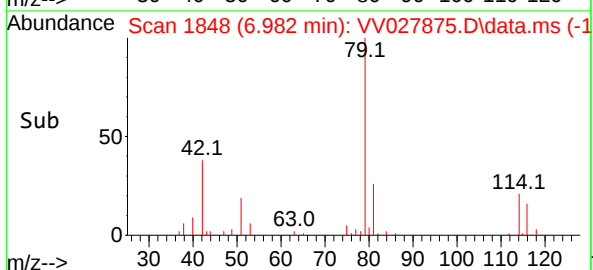
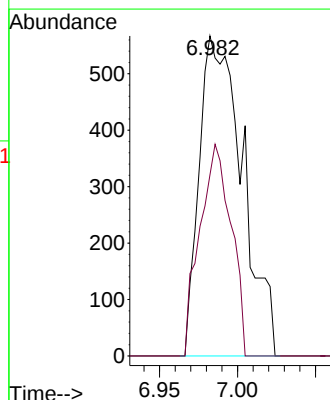
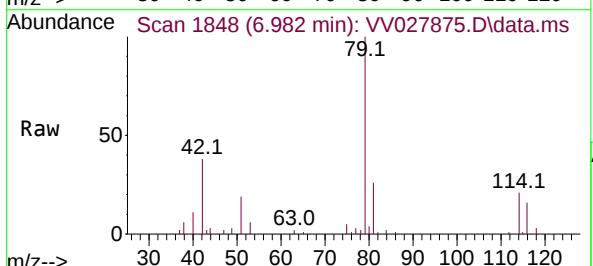
Acq: 16 Sep 2022 12:24

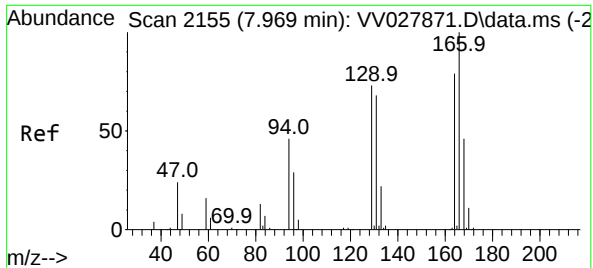
Tgt Ion: 75 Resp: 1093

Ion Ratio Lower Upper

75 100

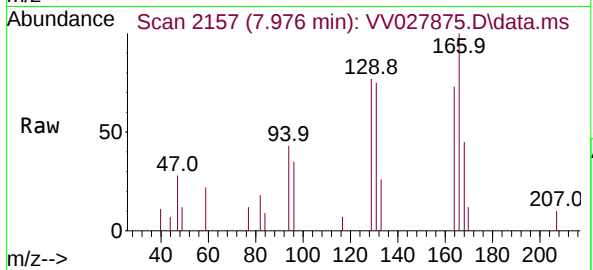
77 56.6 22.0 40.8#



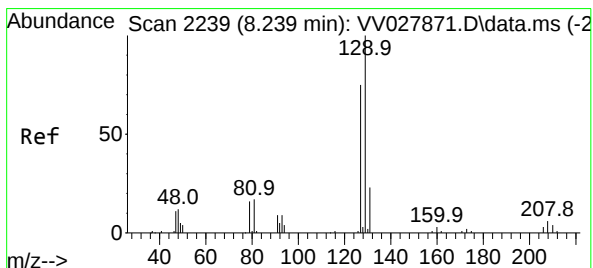
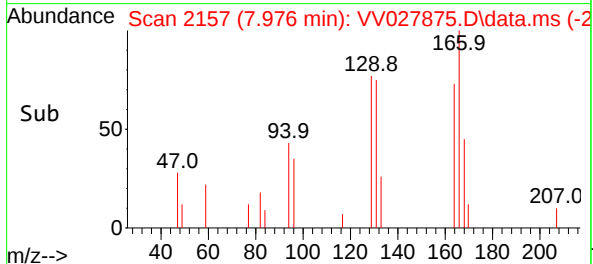
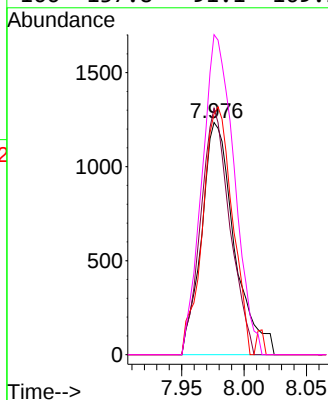


#47
Tetrachloroethene
Concen: 0.258 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.006 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

Instrument :
MSVOA_V
ClientSampleId :

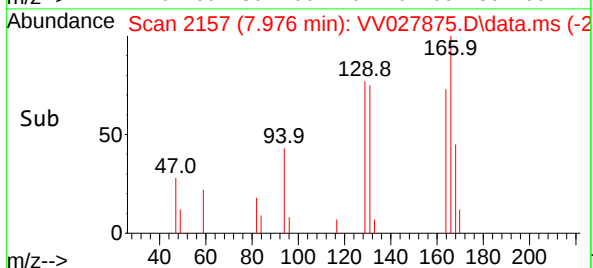
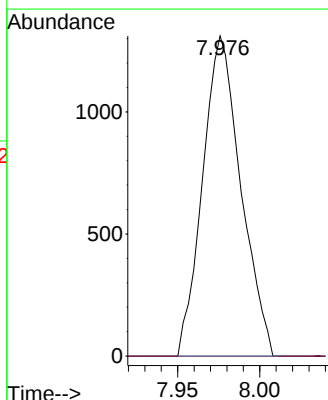
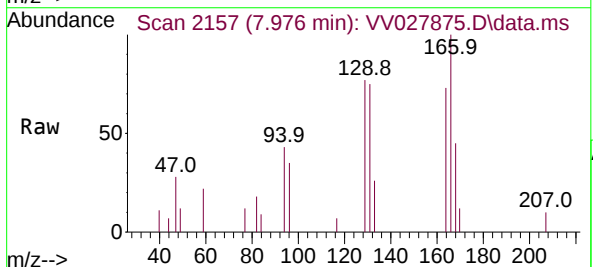


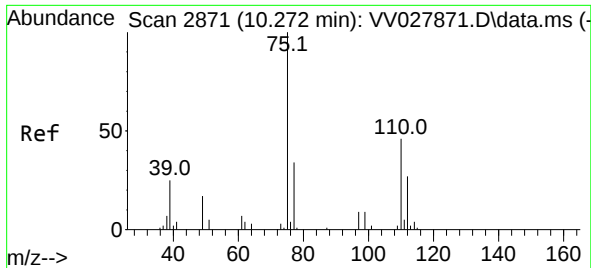
Tgt Ion:164	Resp:	2250	
Ion	Ratio	Lower	Upper
164	100		
129	106.2	67.2	124.8
131	103.6	61.5	114.3
166	137.8	91.1	169.3



#49
Dibromochloromethane
Concen: 0.250 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.264 min
Lab File: VV027875.D
Acq: 16 Sep 2022 12:24

Tgt Ion:129	Resp:	2121	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.2	102.6#





#61

1,2,3-Trichloropropane

Concen: 1.141 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.974 min

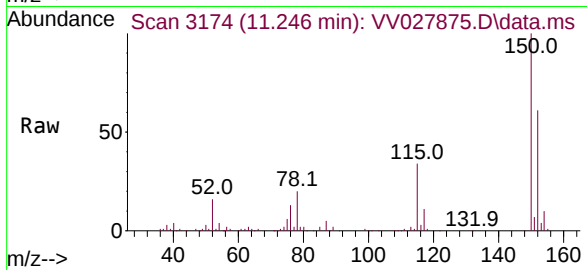
Lab File: VV027875.D

Acq: 16 Sep 2022 12:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 5757

Ion Ratio Lower Upper

75 100

77 33.5 27.6 41.4

110 2.4 35.6 53.4#

