

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101822\
 Data File : VW028617.D
 Acq On : 18 Oct 2022 15:57
 Operator : SY/MD
 Sample : N5173-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 00:40:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 19 00:35:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	178994	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	164866	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	70871	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	65310	4.240	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.800%
7) Chloroethane-d5	1.558	69	61444	4.852	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.000%
11) 1,1-Dichloroethene-d2	2.095	63	102792	3.684	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.600%
20) 2-Butanone-d5	3.944	46	204252	61.677	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.360%
24) Chloroform-d	4.336	84	111236	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.027	65	58030	4.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.037	84	219443	4.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.066	67	78101	4.546	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.307	98	178188	4.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	7.622	79	21369	3.682	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.098	63	114017	45.518	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.040%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	48291	4.720	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	11.616	152	58213	4.978	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	15612	1.544	ug/L	93
3) Chloromethane	1.230	50	6421	0.379	ug/L	92
6) Bromomethane	1.513	94	564	0.076	ug/L	78
9) Trichlorofluoromethane	1.741	101	80566	3.999	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	3328	0.280	ug/L #	86
12) 1,1-Dichloroethene	2.105	96	12929	1.162	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	17873	0.632	ug/L #	84
18) trans-1,2-Dichloroethene	2.745	96	3955	0.341	ug/L	96
19) 1,1-Dichloroethane	3.175	63	7304	0.280	ug/L	97
22) cis-1,2-Dichloroethene	3.896	96	94901	7.232	ug/L #	98
25) Chloroform	4.365	83	10050	0.406	ug/L	99
27) 1,2-Dichloroethane	5.143	62	1250	0.085	ug/L #	79
29) 1,1,1-Trichloroethane	4.593	97	3041	0.133	ug/L #	80
31) Carbon tetrachloride	4.809	117	2307	0.129	ug/L	84
34) Trichloroethene	5.902	95	758258	54.498	ug/L	98
35) Methylcyclohexane	6.063	83	16375	0.707	ug/L #	18
39) cis-1,3-Dichloropropene	6.989	75	1682	0.085	ug/L	86
47) Tetrachloroethene	7.966	164	555222	61.309	ug/L	99
49) Dibromochloromethane	7.963	129	529556	60.243	ug/L #	11

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 19 00:35:12 2022
Response via : Initial Calibration

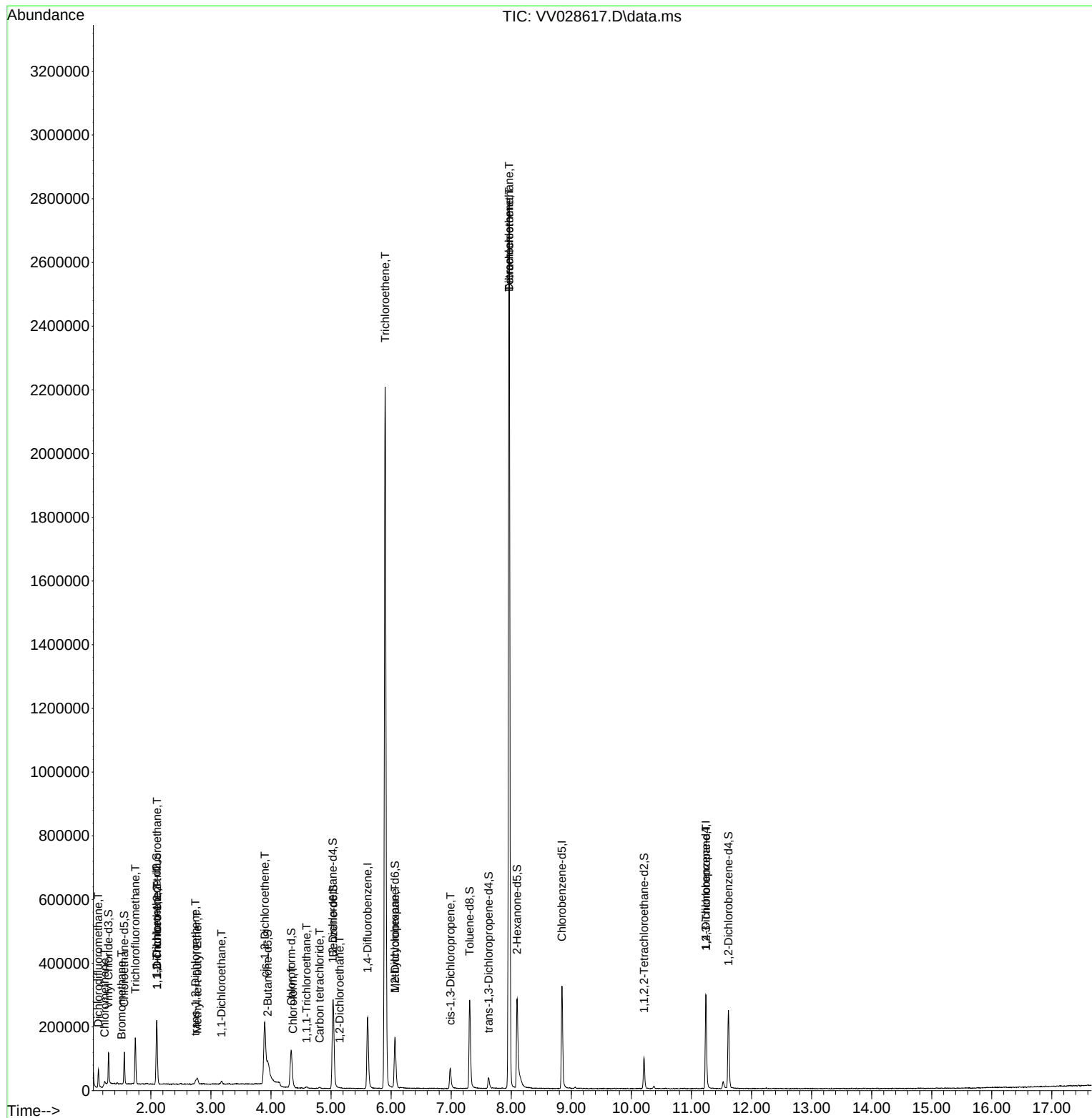
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.243	75	10749	1.697	ug/L	# 66

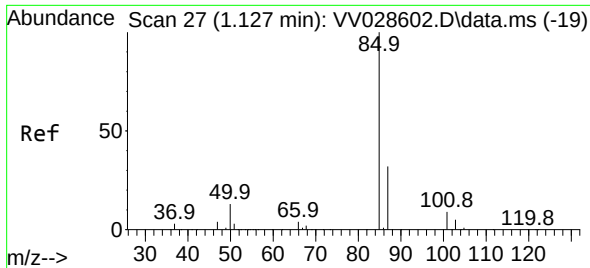
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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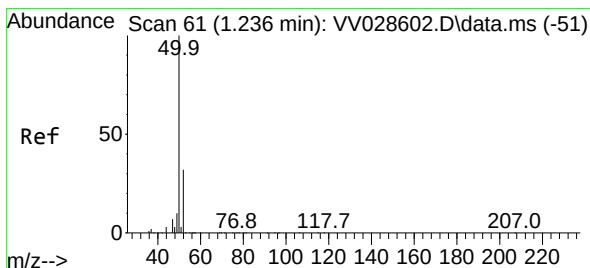
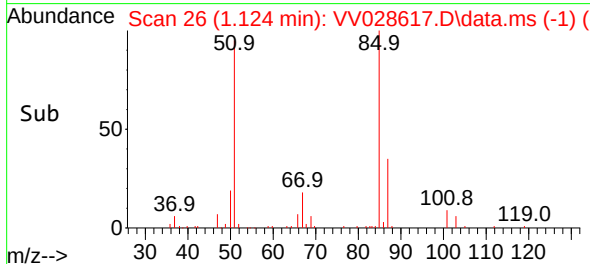
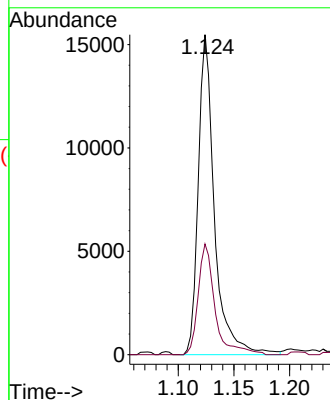
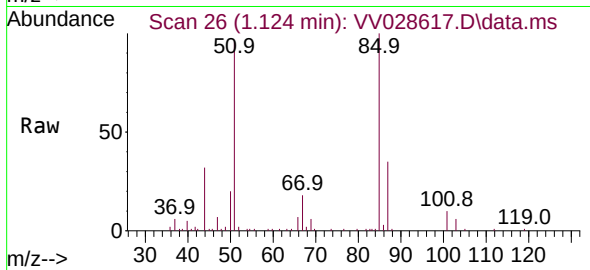




#2
 Dichlorodifluoromethane
 Concen: 1.544 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV028617.D
 Acq: 18 Oct 2022 15:57

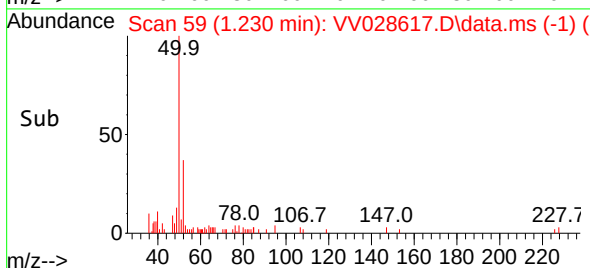
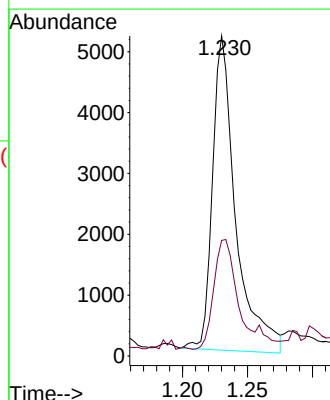
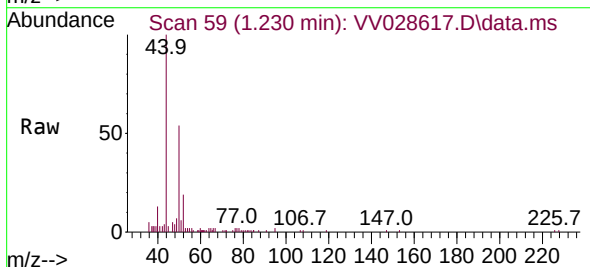
Instrument :
 MSVOA_V
 ClientSampleId :

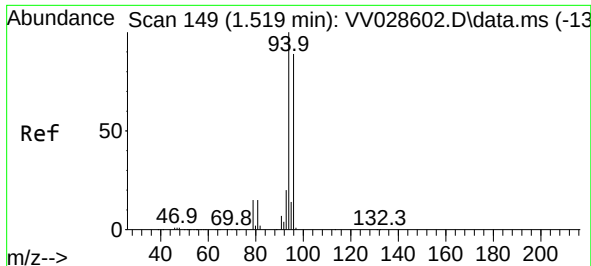
Tgt Ion: 85 Resp: 15612
 Ion Ratio Lower Upper
 85 100
 87 35.9 25.4 38.2



#3
 Chloromethane
 Concen: 0.379 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.006 min
 Lab File: VV028617.D
 Acq: 18 Oct 2022 15:57

Tgt Ion: 50 Resp: 6421
 Ion Ratio Lower Upper
 50 100
 52 36.1 22.0 41.0

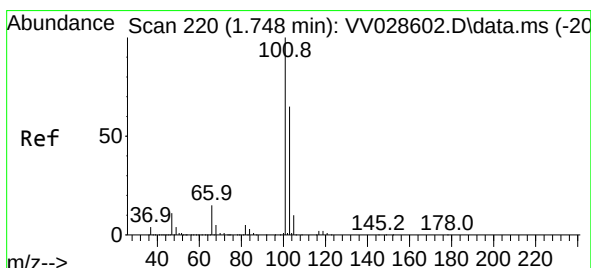
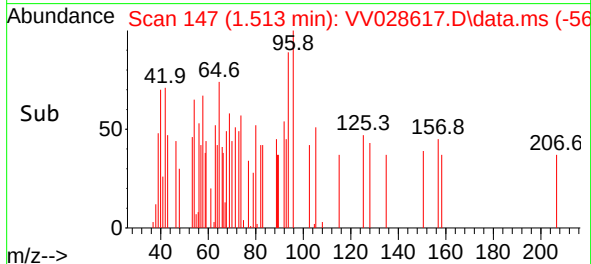
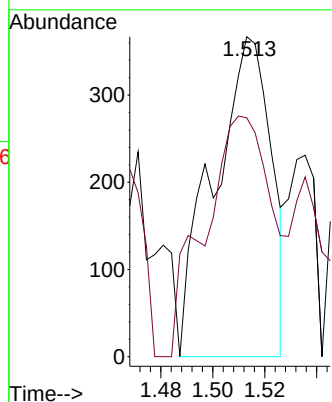
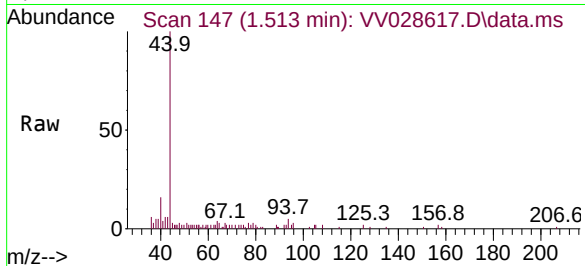




#6
Bromomethane
Concen: 0.076 ug/L
RT: 1.513 min Scan# 149
Delta R.T. -0.006 min
Lab File: VV028617.D
Acq: 18 Oct 2022 15:57

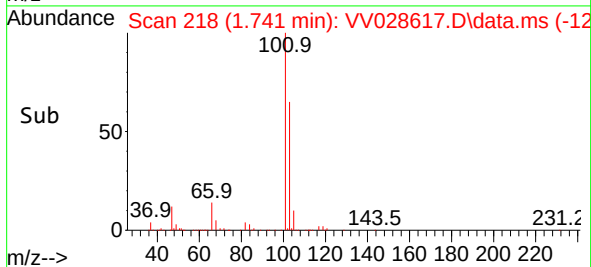
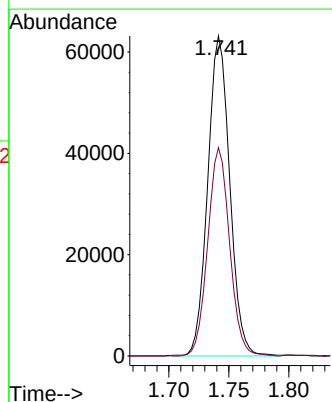
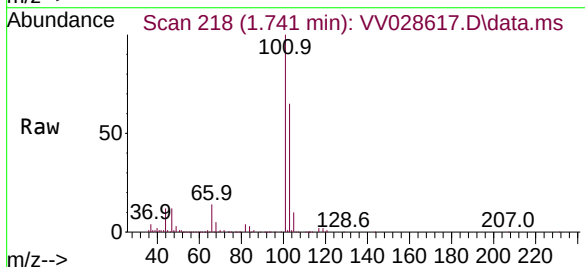
Instrument :
MSVOA_V
ClientSampleId :

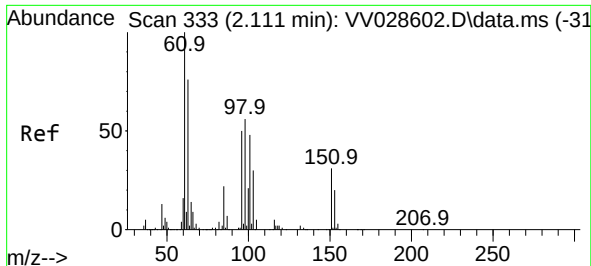
Tgt Ion: 94 Resp: 564
Ion Ratio Lower Upper
94 100
96 74.7 67.0 124.4



#9
Trichlorofluoromethane
Concen: 3.999 ug/L
RT: 1.741 min Scan# 218
Delta R.T. -0.006 min
Lab File: VV028617.D
Acq: 18 Oct 2022 15:57

Tgt Ion:101 Resp: 80566
Ion Ratio Lower Upper
101 100
103 64.8 51.6 77.4





#10

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

Concen: 0.280 ug/L

RT: 2.105 min Scan# 331

Delta R.T. -0.006 min

Lab File: VV028617.D

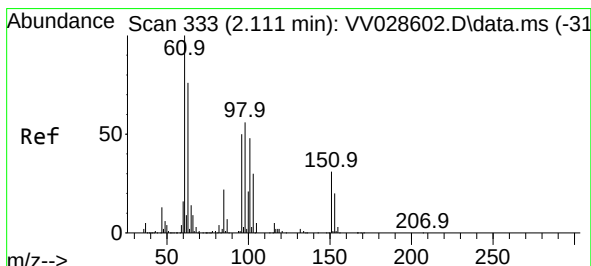
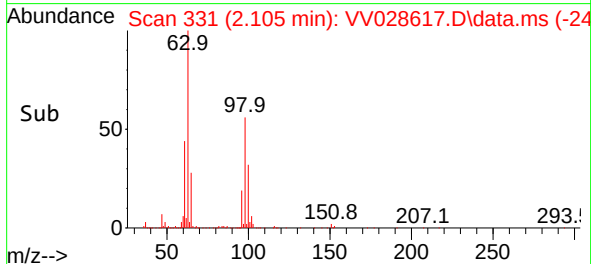
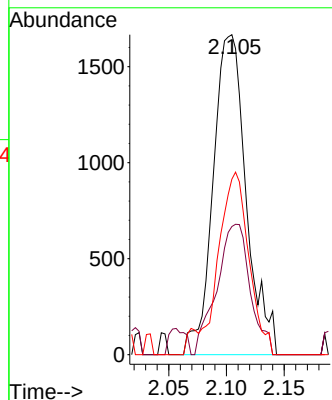
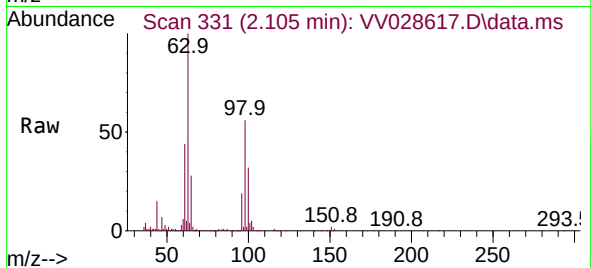
Acq: 18 Oct 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	101	Resp:	3328
Ion	Ratio	Lower	Upper
101	100		
85	41.2	37.3	55.9
151	51.4	52.8	79.2#



#12

1,1-Dichloroethene

Concen: 1.162 ug/L

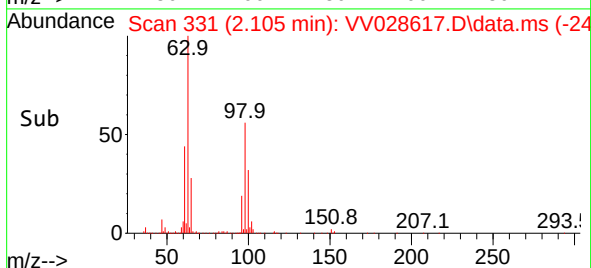
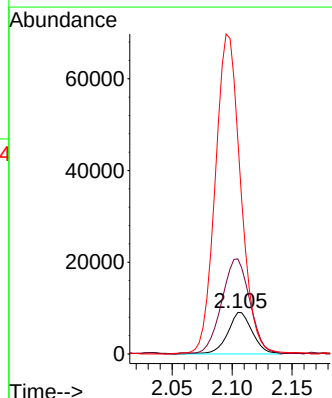
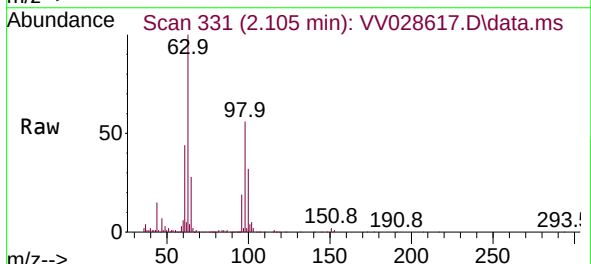
RT: 2.105 min Scan# 331

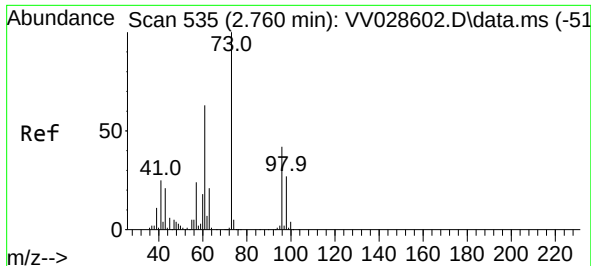
Delta R.T. -0.006 min

Lab File: VV028617.D

Acq: 18 Oct 2022 15:57

Tgt Ion:	96	Resp:	12929
Ion	Ratio	Lower	Upper
96	100		
61	228.9	142.9	265.5
63	518.1	102.3	190.1#





#17

Methyl tert-butyl Ether

Concen: 0.632 ug/L

RT: 2.773 min Scan# 51

Delta R.T. 0.013 min

Lab File: VV028617.D

Acq: 18 Oct 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

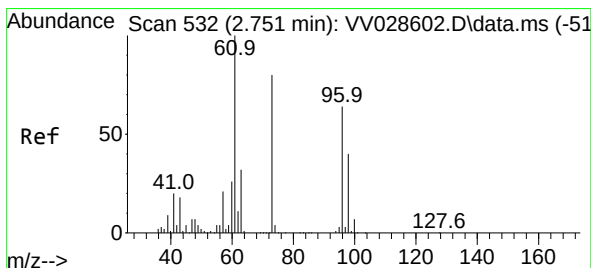
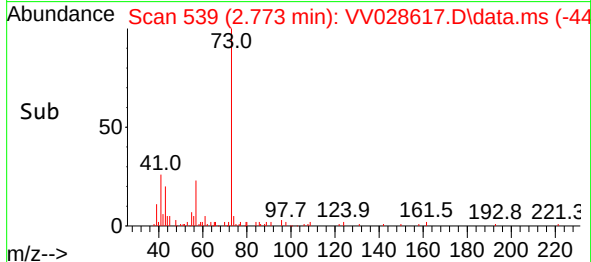
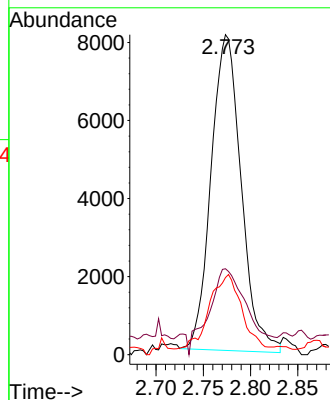
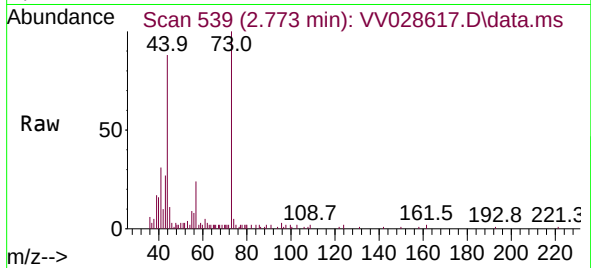
Tgt Ion: 73 Resp: 17873

Ion Ratio Lower Upper

73 100

43 35.8 18.2 27.2#

57 26.9 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 0.341 ug/L

RT: 2.745 min Scan# 530

Delta R.T. -0.006 min

Lab File: VV028617.D

Acq: 18 Oct 2022 15:57

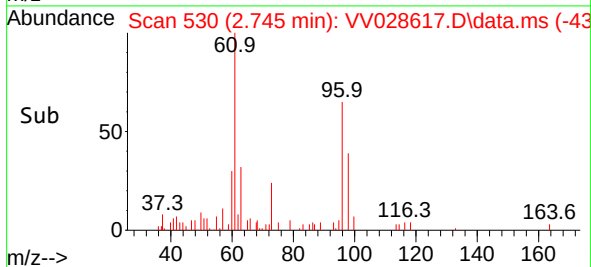
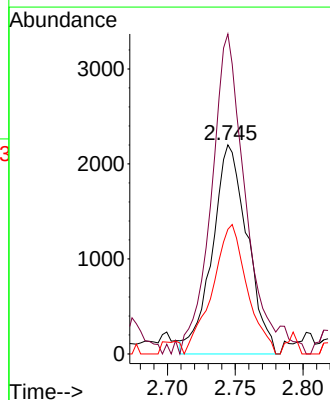
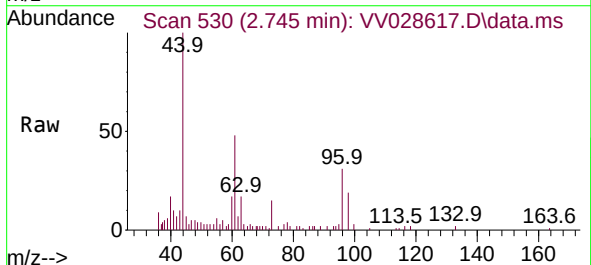
Tgt Ion: 96 Resp: 3955

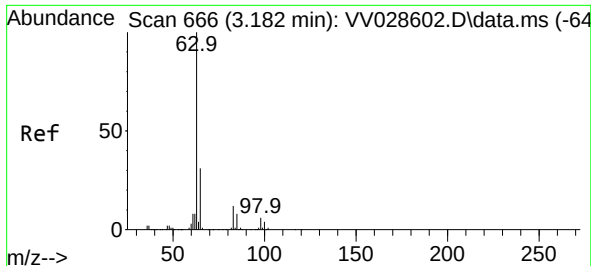
Ion Ratio Lower Upper

96 100

61 153.0 111.2 206.6

98 59.6 42.9 79.7





#19

1,1-Dichloroethane

Concen: 0.280 ug/L

RT: 3.175 min Scan# 6

Delta R.T. -0.006 min

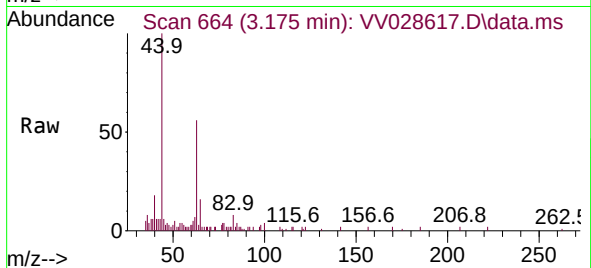
Lab File: VV028617.D

Acq: 18 Oct 2022 15:57

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ClientSampleId :



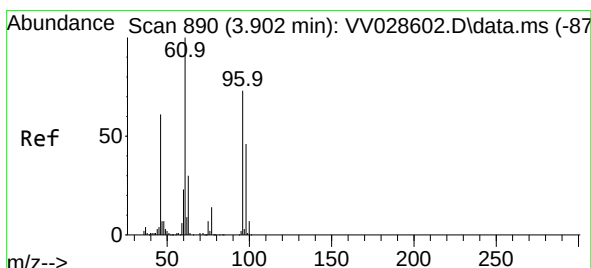
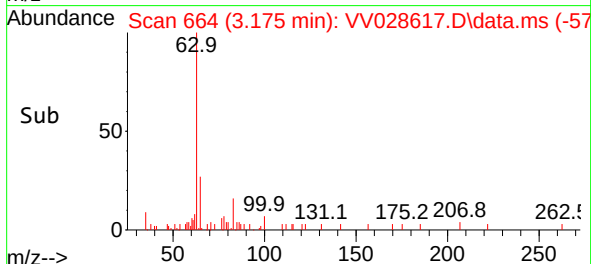
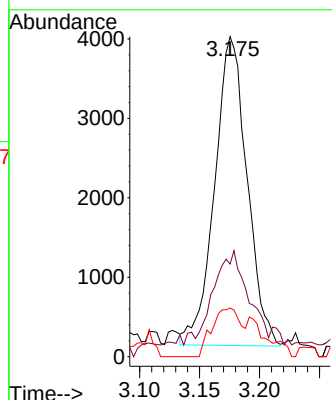
Tgt Ion: 63 Resp: 7304

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.5

83 15.2 8.5 15.7



#22

cis-1,2-Dichloroethene

Concen: 7.232 ug/L

RT: 3.896 min Scan# 888

Delta R.T. -0.006 min

Lab File: VV028617.D

Acq: 18 Oct 2022 15:57

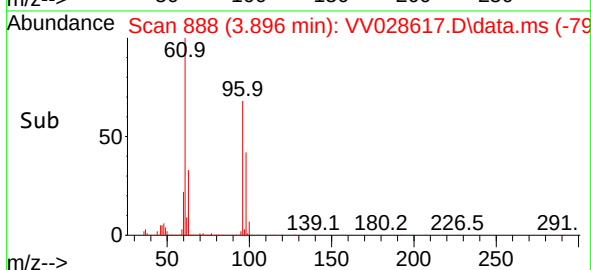
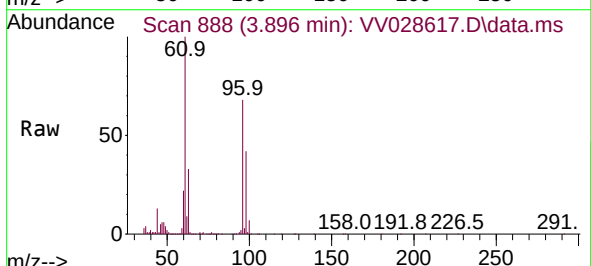
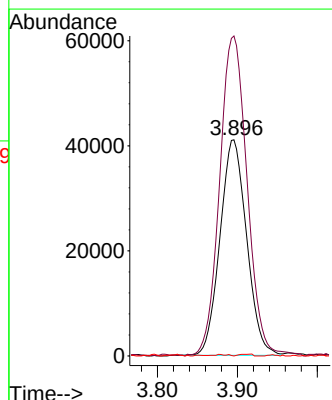
Tgt Ion: 96 Resp: 94901

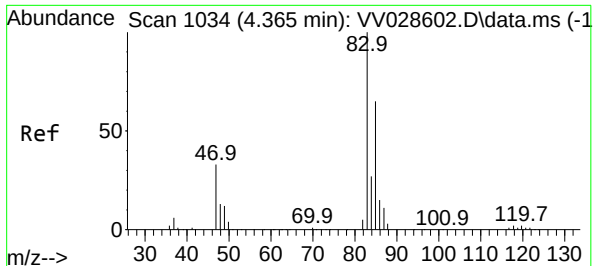
Ion Ratio Lower Upper

96 100

61 148.0 105.1 195.3

68 0.0 0.5 0.9#

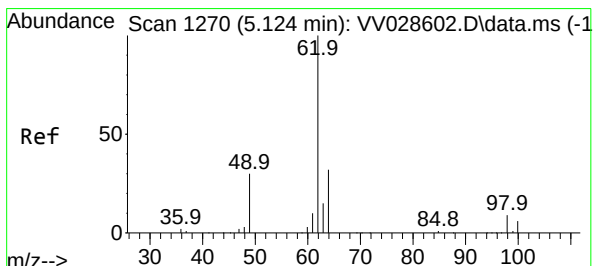
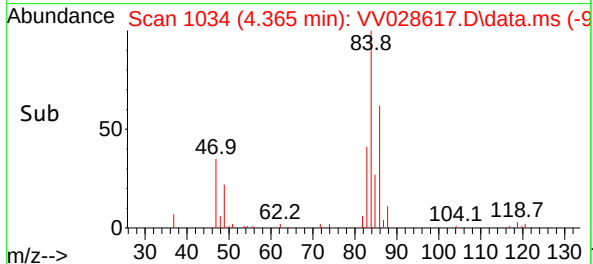
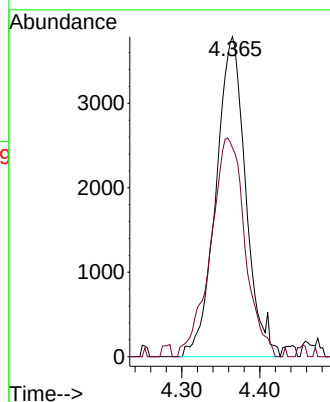
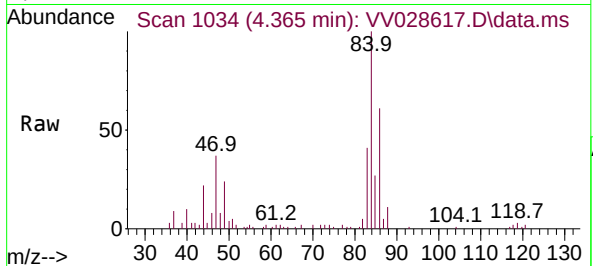




#25
Chloroform
Concen: 0.406 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VV028617.D
Acq: 18 Oct 2022 15:57

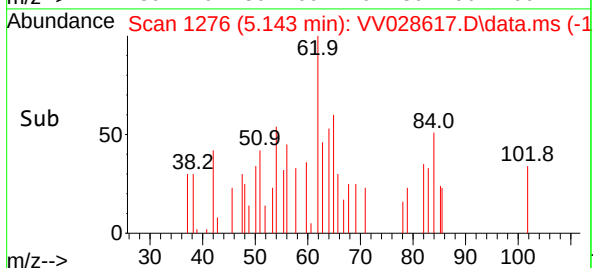
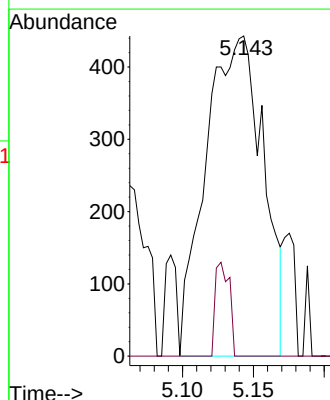
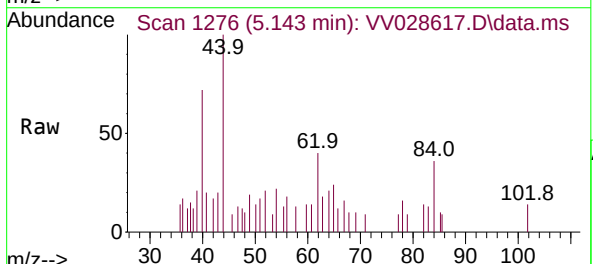
Instrument :
MSVOA_V
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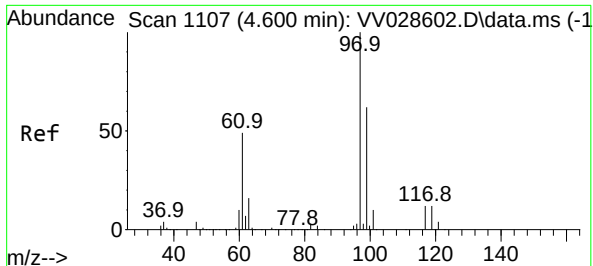
Tgt Ion: 83 Resp: 10050
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.085 ug/L
RT: 5.143 min Scan# 1276
Delta R.T. 0.019 min
Lab File: VV028617.D
Acq: 18 Oct 2022 15:57

Tgt Ion: 62 Resp: 1250
Ion Ratio Lower Upper
62 100
98 0.0 5.9 8.9#





#29

1,1,1-Trichloroethane

Concen: 0.133 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VV028617.D

Acq: 18 Oct 2022 15:57

Instrument :

MSVOA_V

ClientSampleId :

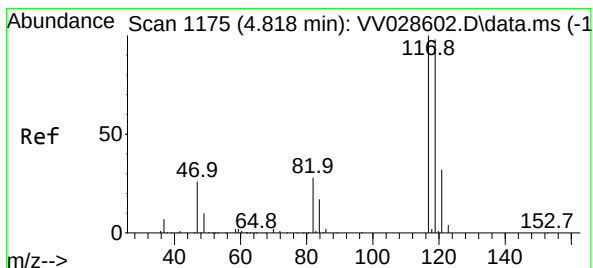
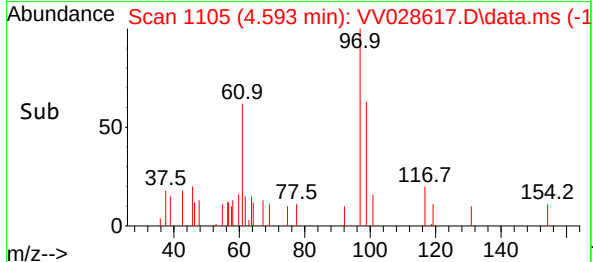
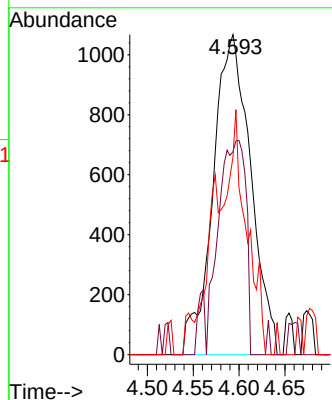
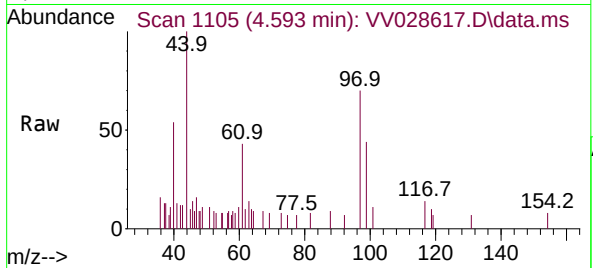
Tgt Ion: 97 Resp: 3041

Ion Ratio Lower Upper

97 100

99 48.4 52.6 78.8#

61 39.8 42.1 63.1#



#31

Carbon tetrachloride

Concen: 0.129 ug/L

RT: 4.809 min Scan# 1172

Delta R.T. -0.010 min

Lab File: VV028617.D

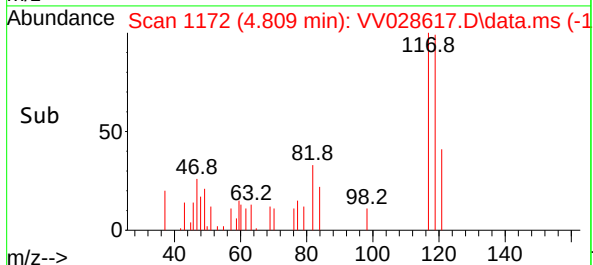
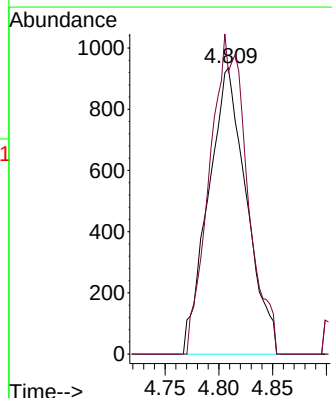
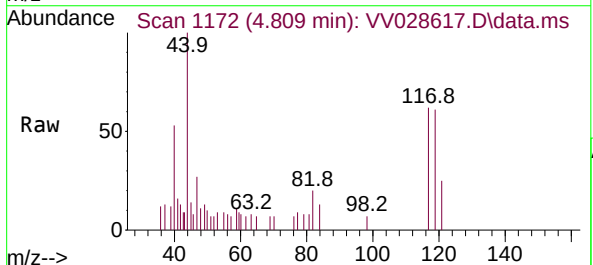
Acq: 18 Oct 2022 15:57

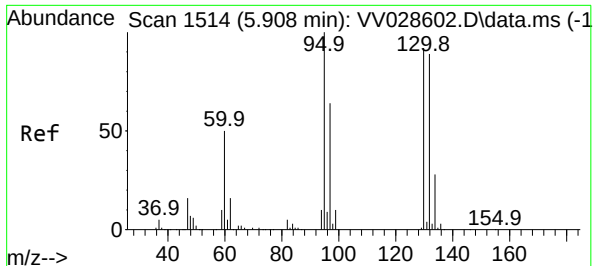
Tgt Ion: 117 Resp: 2307

Ion Ratio Lower Upper

117 100

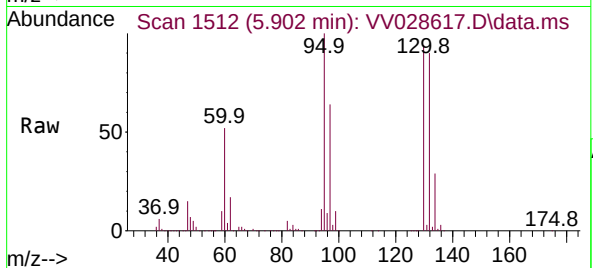
119 110.1 75.5 113.3





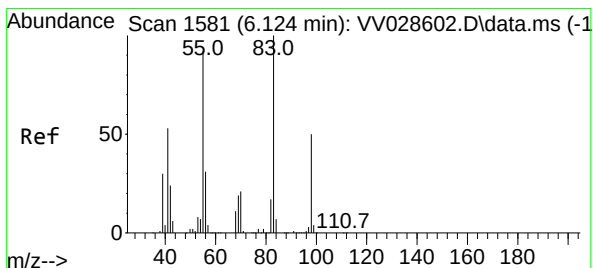
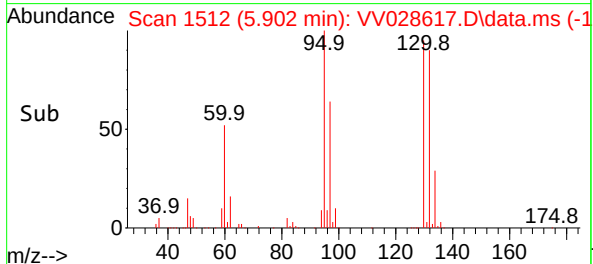
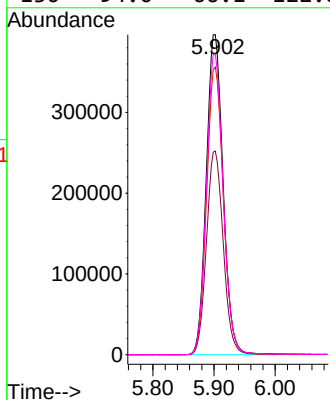
#34
Trichloroethene
Concen: 54.498 ug/L
RT: 5.902 min Scan# 1512
Delta R.T. -0.006 min
Lab File: VV028617.D
Acq: 18 Oct 2022 15:57

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 758258

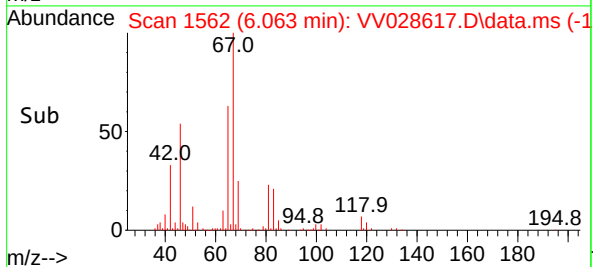
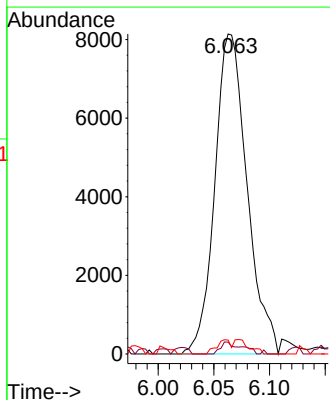
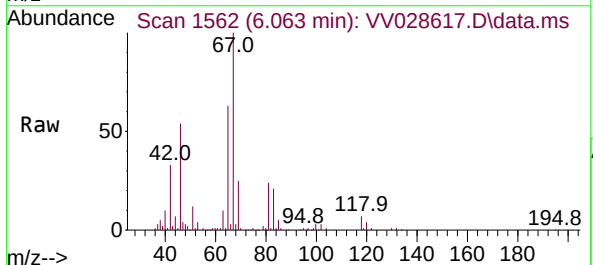
Ion	Ratio	Lower	Upper
95	100		
97	63.6	46.2	85.8
132	89.9	65.1	120.9
130	94.0	66.1	122.8

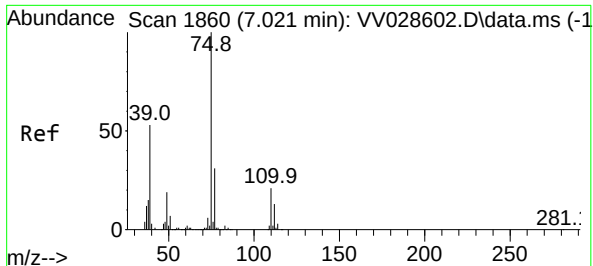


#35
Methylcyclohexane
Concen: 0.707 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV028617.D
Acq: 18 Oct 2022 15:57

Tgt Ion: 83 Resp: 16375

Ion	Ratio	Lower	Upper
83	100		
55	2.4	65.0	97.6#
98	0.0	36.4	54.6#





#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.032 min

Lab File: VV028617.D

Acq: 18 Oct 2022 15:57

Instrument :

MSVOA_V

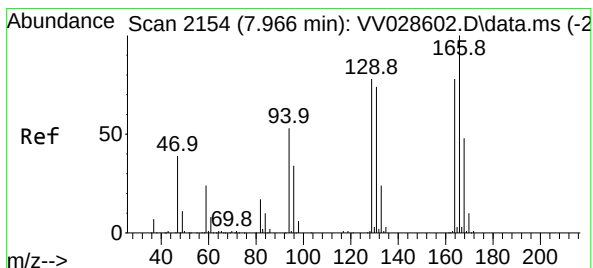
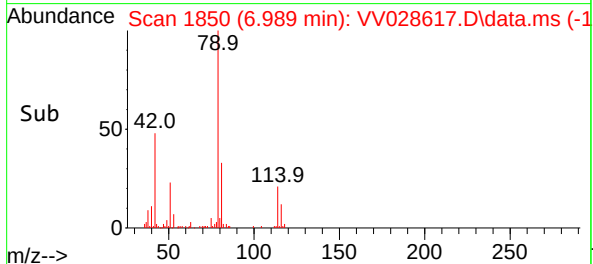
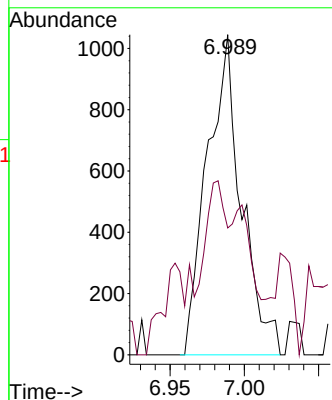
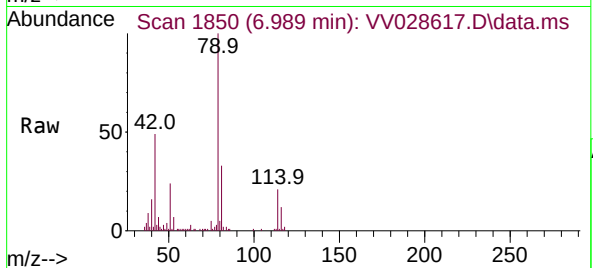
ClientSampleId :

Tgt Ion: 75 Resp: 1682

Ion Ratio Lower Upper

75 100

77 39.6 22.1 41.1



#47

Tetrachloroethene

Concen: 61.309 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.000 min

Lab File: VV028617.D

Acq: 18 Oct 2022 15:57

Tgt Ion: 164 Resp: 555222

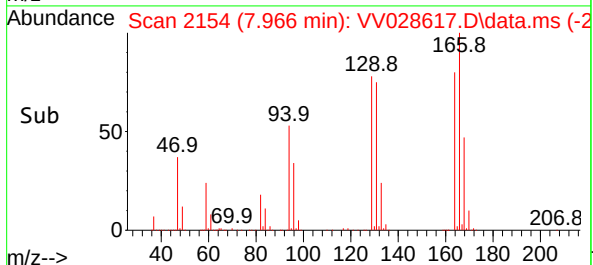
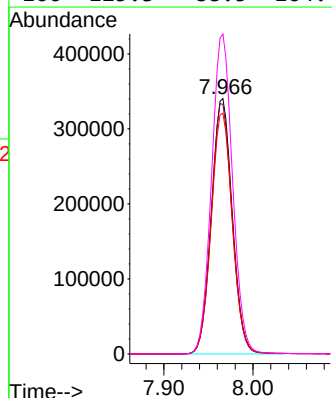
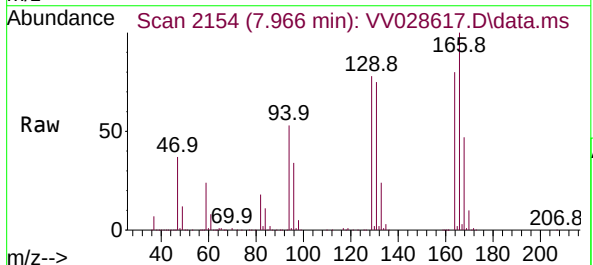
Ion Ratio Lower Upper

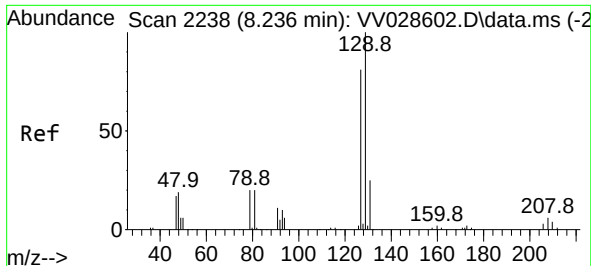
164 100

129 97.8 69.3 128.7

131 94.2 67.3 125.1

166 125.3 88.5 164.4

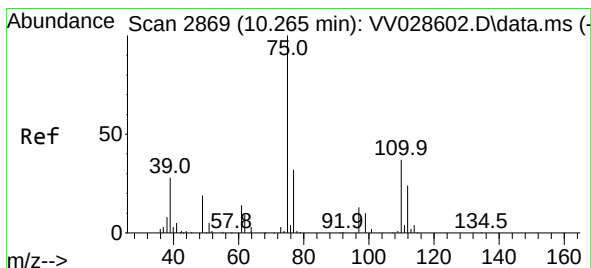
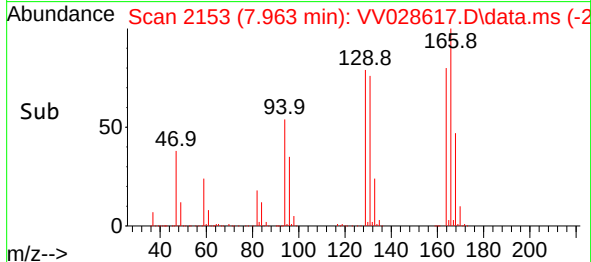
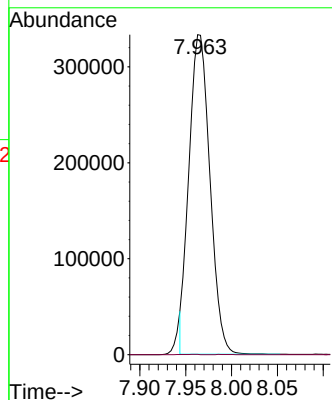
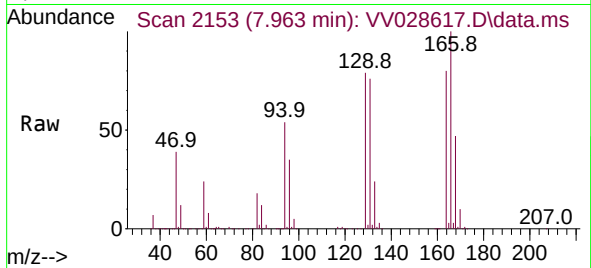




#49
Dibromochloromethane
Concen: 60.243 ug/L
RT: 7.963 min Scan# 2153
Delta R.T. -0.273 min
Lab File: VV028617.D
Acq: 18 Oct 2022 15:57

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:129 Resp: 529556
Ion Ratio Lower Upper
129 100
127 0.1 53.8 100.0#



#61
1,2,3-Trichloropropane
Concen: 1.697 ug/L
RT: 11.243 min Scan# 3173
Delta R.T. 0.978 min
Lab File: VV028617.D
Acq: 18 Oct 2022 15:57

Tgt Ion: 75 Resp: 10749
Ion Ratio Lower Upper
75 100
77 34.1 24.6 37.0
110 1.8 28.3 42.5#

