

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV093022\
 Data File : VV028234.D
 Acq On : 30 Sep 2022 18:13
 Operator : SY/MD
 Sample : N4873-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ52

Quant Time: Sep 30 23:01:25 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	153879	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	154664	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	71043	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	61477	3.854	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.000%
7) Chloroethane-d5	1.561	69	55805	4.400	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.098	63	96018	3.470	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.400%
20) 2-Butanone-d5	3.899	46	125305	46.525	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.060%
24) Chloroform-d	4.339	84	122853	4.826	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.027	65	57447	4.742	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.043	84	243720	4.806	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.066	67	72487	4.585	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.310	98	203354	4.430	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	7.622	79	23024	4.032	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.600%
46) 2-Hexanone-d5	8.085	63	106534	44.696	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.400%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	52479	4.856	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	74392	5.339	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.214	85	2242	0.195	ug/L	93
3) Chloromethane	1.236	50	772	0.051	ug/L	100
5) Vinyl chloride	1.304	62	710	0.060	ug/L	# 1
6) Bromomethane	1.516	94	644	0.083	ug/L	97
8) Chloroethane	1.429	64	72823	9.101	ug/L	# 51
10) 1,1,2-Trichloro-1,2,2-...	2.098	101	1065	0.098	ug/L	# 22
12) 1,1-Dichloroethene	2.108	96	4995	0.470	ug/L	# 1
14) Carbon disulfide	2.285	76	1557	0.076	ug/L	# 84
18) trans-1,2-Dichloroethene	2.757	96	661	0.071	ug/L	82
19) 1,1-Dichloroethane	3.182	63	94985	4.677	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	7922	0.649	ug/L	92
25) Chloroform	4.365	83	17334	0.795	ug/L	95
29) 1,1,1-Trichloroethane	4.600	97	69933	3.680	ug/L	98
31) Carbon tetrachloride	4.596	117	9414	0.602	ug/L	99
34) Trichloroethene	5.915	95	7764	0.726	ug/L	93
35) Methylcyclohexane	6.063	83	17561	1.198	ug/L	# 17
37) 1,2-Dichloropropane	6.066	63	7422	0.616	ug/L	# 87
38) Bromodichloromethane	6.513	83	3640	0.245	ug/L	97
47) Tetrachloroethene	7.972	164	4484	0.525	ug/L	95

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QLast Update : Thu Sep 29 01:25:35 2022
Response via : Initial Calibration

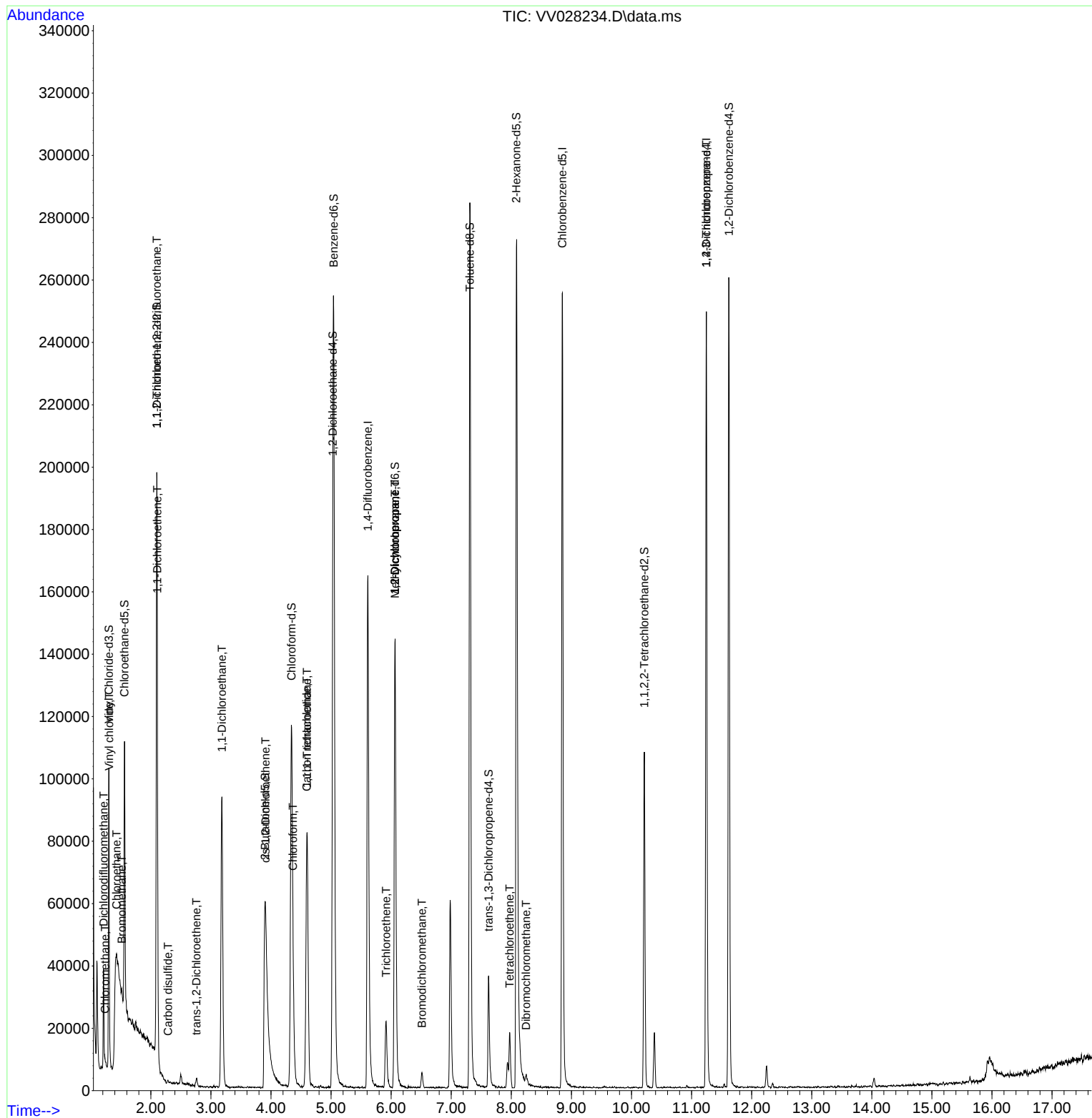
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.246	129	1420	0.146	ug/L	95
61) 1,2,3-Trichloropropane	11.246	75	6681	1.121	ug/L #	68

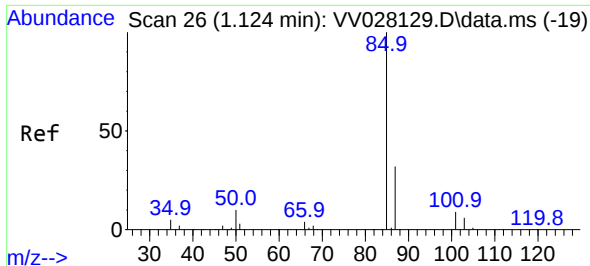
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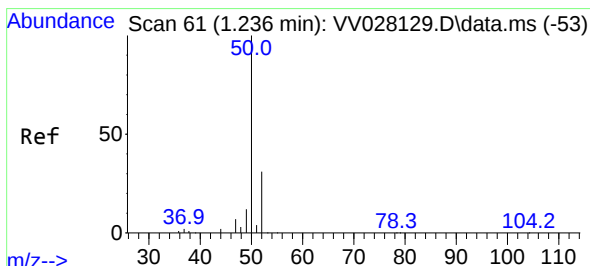
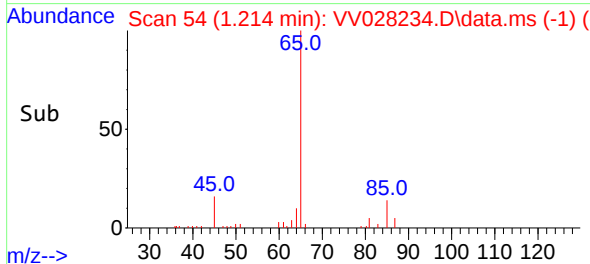
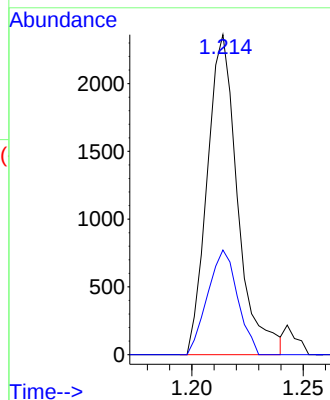
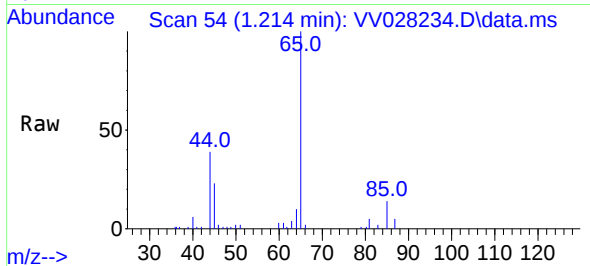




#2
Dichlorodifluoromethane
Concen: 0.195 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.090 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

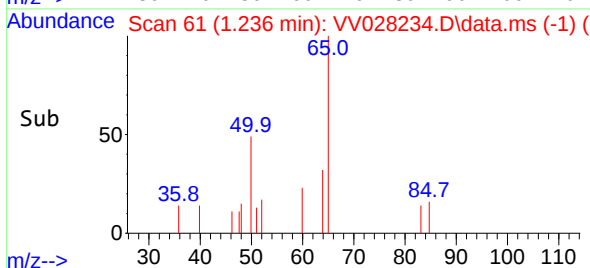
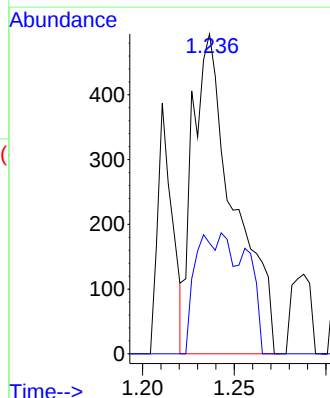
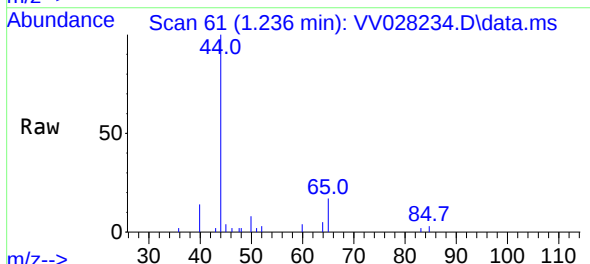
Instrument :
MSVOA_V
ClientSampleId :
EXZ52

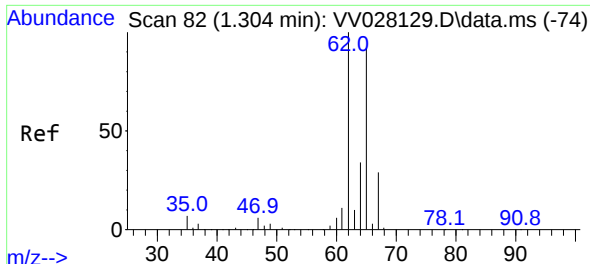
Tgt Ion: 85 Resp: 2242
Ion Ratio Lower Upper
85 100
87 32.2 22.8 34.2



#3
Chloromethane
Concen: 0.051 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

Tgt Ion: 50 Resp: 772
Ion Ratio Lower Upper
50 100
52 34.6 24.4 45.2

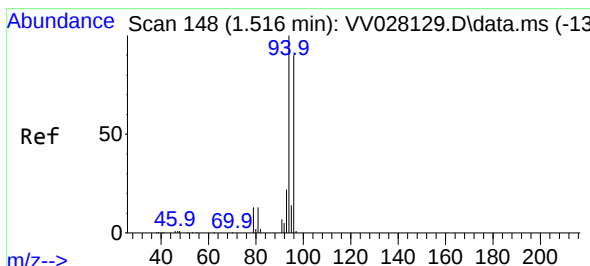
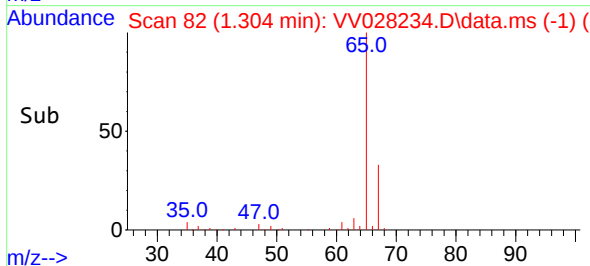
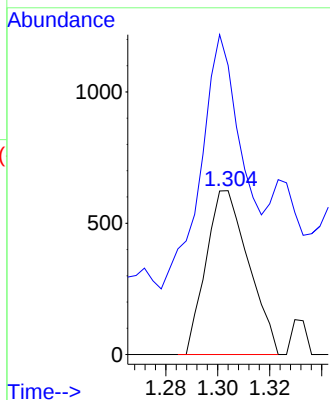
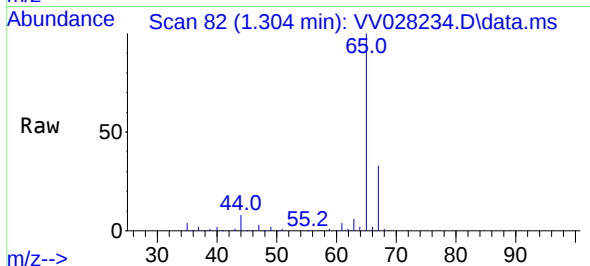




#5
 Vinyl chloride
 Concen: 0.060 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV028234.D
 Acq: 30 Sep 2022 18:13

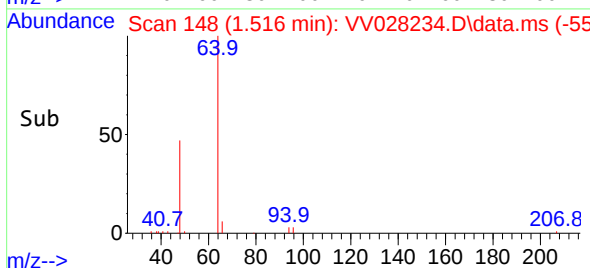
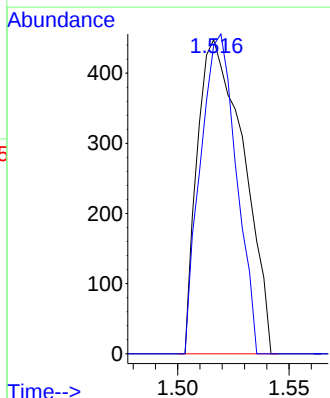
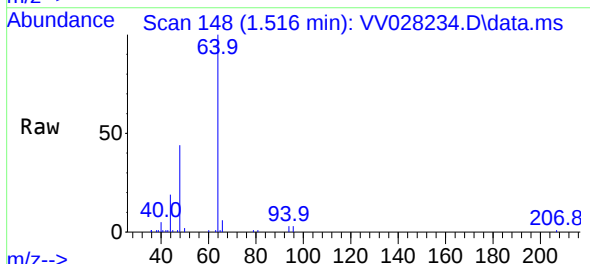
Instrument :
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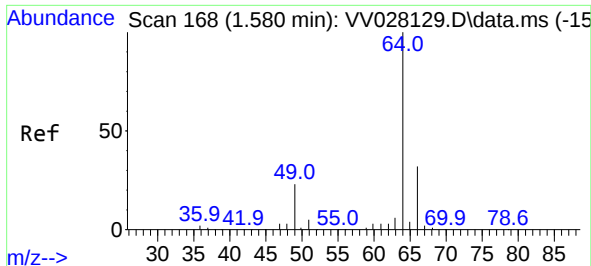
Tgt Ion: 62 Resp: 710
 Ion Ratio Lower Upper
 62 100
 64 176.4 23.0 42.8#



#6
 Bromomethane
 Concen: 0.083 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VV028234.D
 Acq: 30 Sep 2022 18:13

Tgt Ion: 94 Resp: 644
 Ion Ratio Lower Upper
 94 100
 96 98.2 66.7 123.9

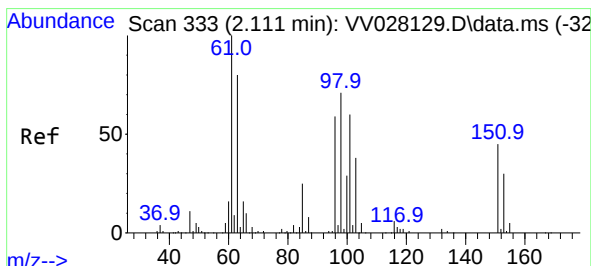
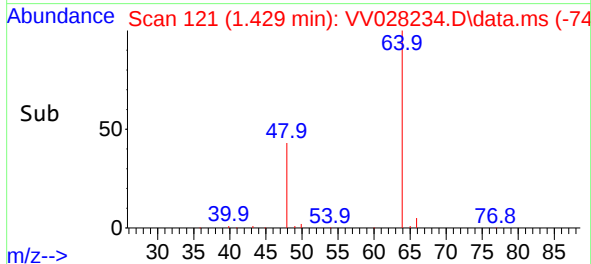
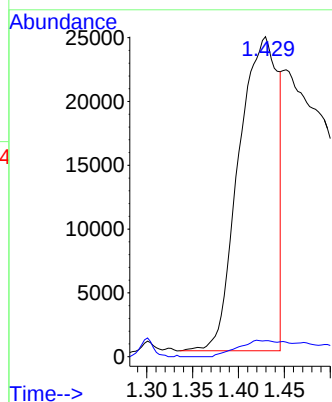
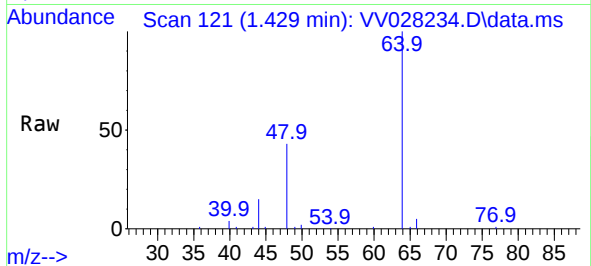




#8
Chloroethane
Concen: 9.101 ug/L
RT: 1.429 min Scan# 11
Delta R.T. -0.148 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

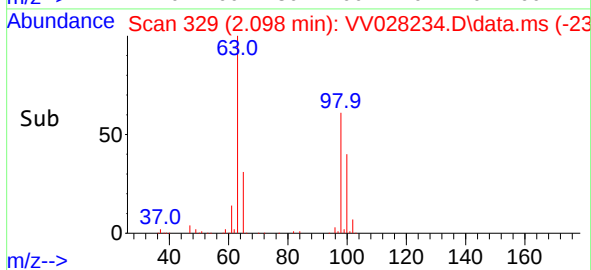
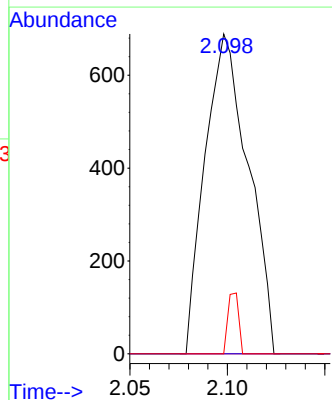
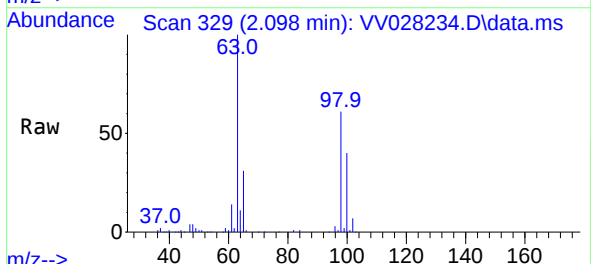
Instrument :
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ClientSampleId :
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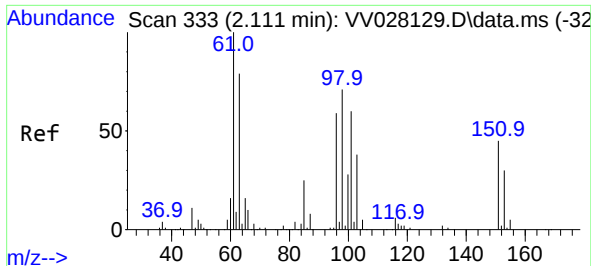
Tgt Ion: 64 Resp: 72823
Ion Ratio Lower Upper
64 100
66 5.0 23.0 42.8#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.098 ug/L
RT: 2.098 min Scan# 329
Delta R.T. -0.010 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

Tgt Ion:101 Resp: 1065
Ion Ratio Lower Upper
101 100
85 0.0 34.4 51.6#
151 4.7 61.1 91.7#





#12

1,1-Dichloroethene

Concen: 0.470 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV028234.D

Acq: 30 Sep 2022 18:13

Instrument :

MSVOA_V

ClientSampleId :

EXZ52

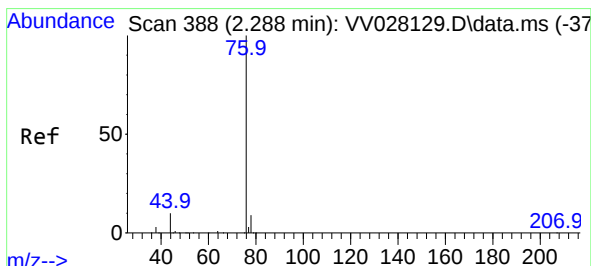
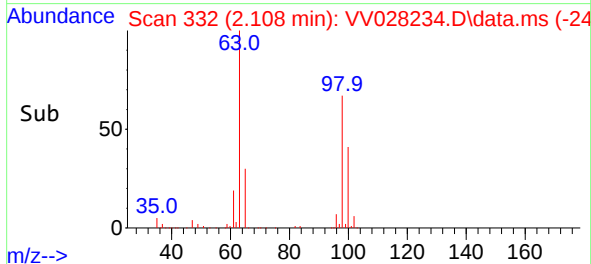
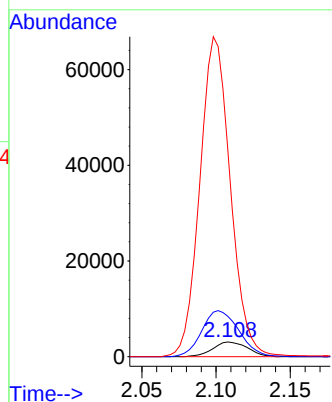
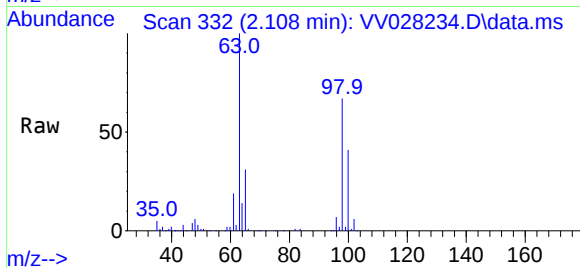
Tgt Ion: 96 Resp: 4995

Ion Ratio Lower Upper

96 100

61 275.5 128.3 238.3#

63 1417.3 112.7 209.3#



#14

Carbon disulfide

Concen: 0.076 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.000 min

Lab File: VV028234.D

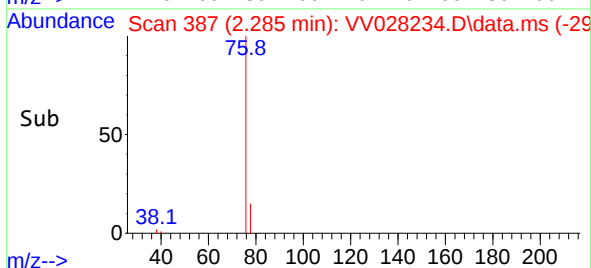
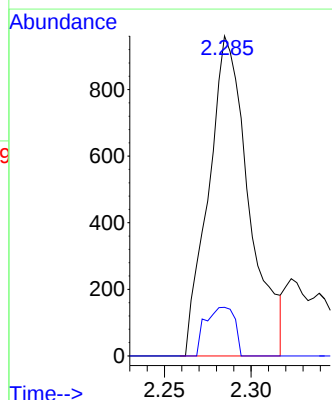
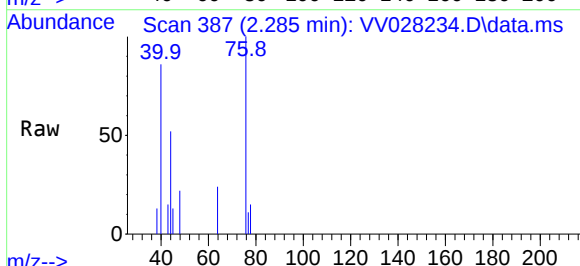
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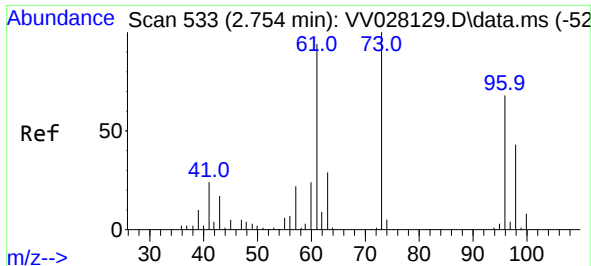
Tgt Ion: 76 Resp: 1557

Ion Ratio Lower Upper

76 100

78 15.2 7.6 11.4#

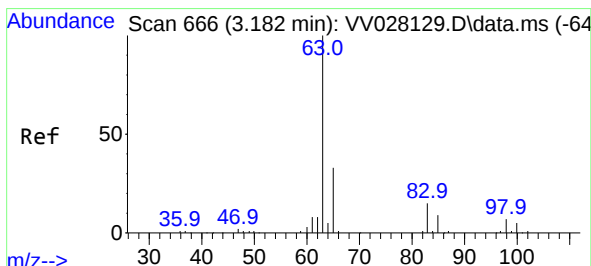
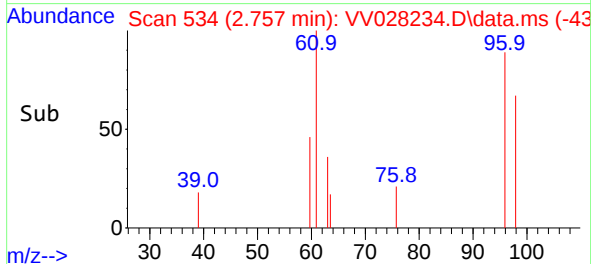
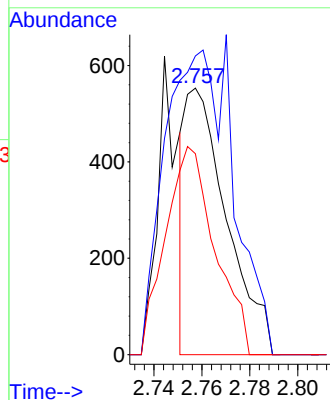
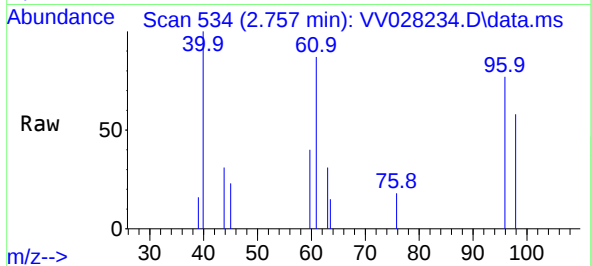




#18
trans-1,2-Dichloroethene
Concen: 0.071 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

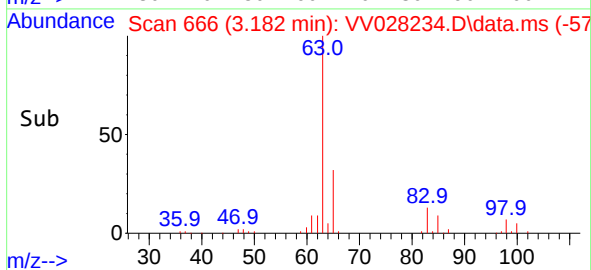
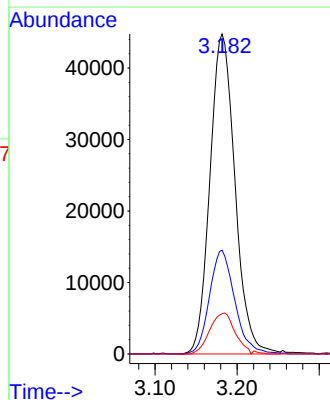
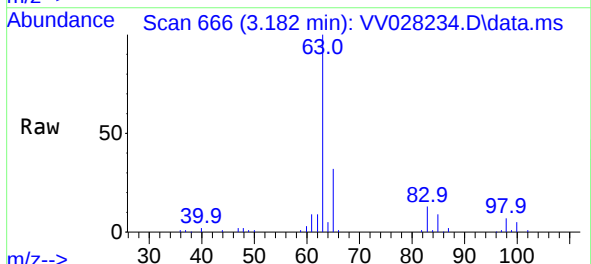
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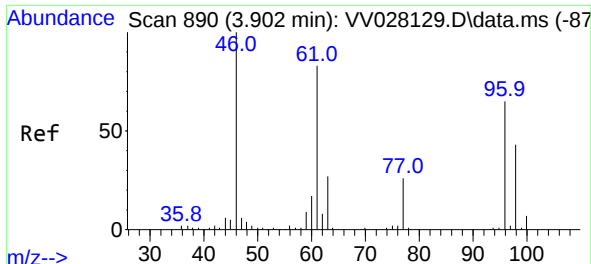
Tgt Ion: 96 Resp: 661
Ion Ratio Lower Upper
96 100
61 112.1 96.2 178.6
98 75.4 45.7 84.9



#19
1,1-Dichloroethane
Concen: 4.677 ug/L
RT: 3.182 min Scan# 666
Delta R.T. -0.000 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

Tgt Ion: 63 Resp: 94985
Ion Ratio Lower Upper
63 100
65 32.4 23.0 42.8
83 12.6 9.2 17.2

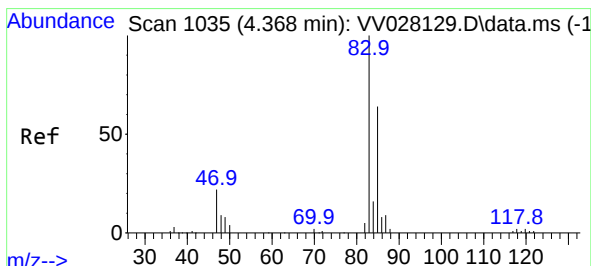
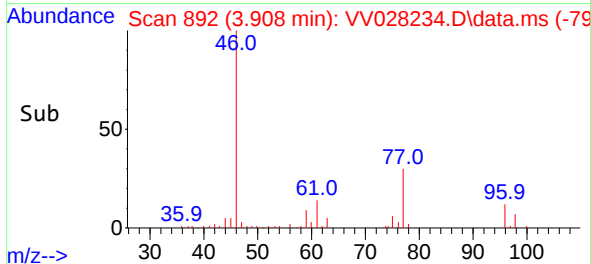
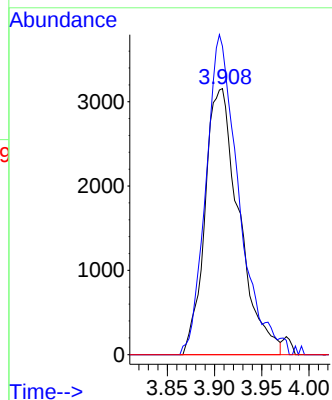
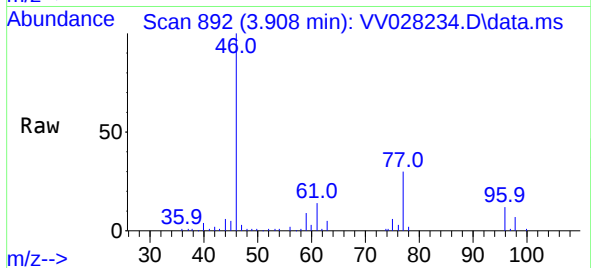




#22
 cis-1,2-Dichloroethene
 Concen: 0.649 ug/L
 RT: 3.908 min Scan# 891
 Delta R.T. 0.010 min
 Lab File: VV028234.D
 Acq: 30 Sep 2022 18:13

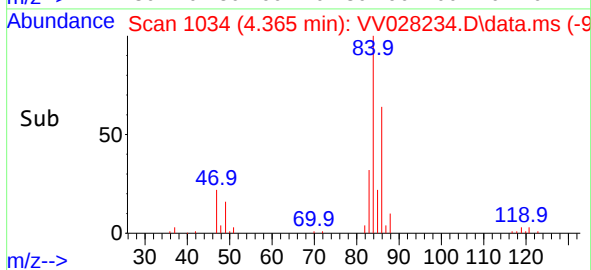
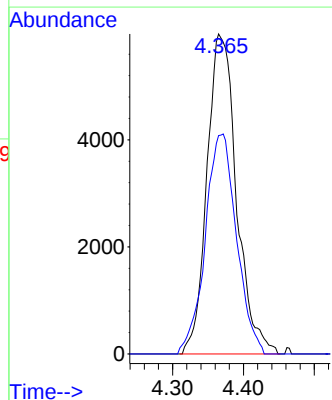
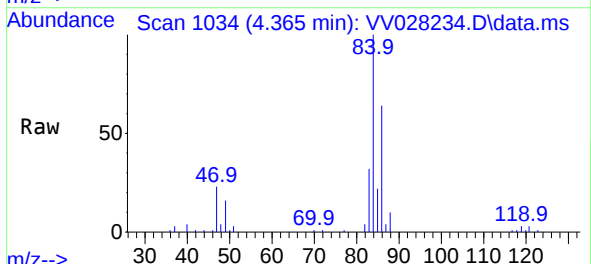
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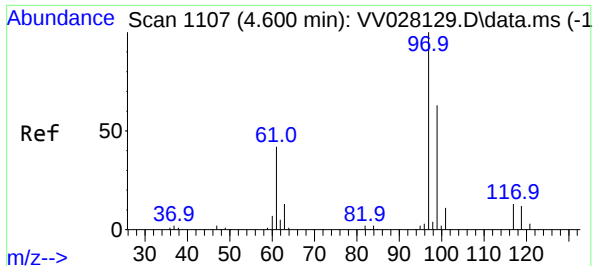
Tgt Ion: 96 Resp: 7922
 Ion Ratio Lower Upper
 96 100
 61 115.9 87.2 161.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.795 ug/L
 RT: 4.365 min Scan# 1034
 Delta R.T. 0.003 min
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Tgt Ion: 83 Resp: 17334
 Ion Ratio Lower Upper
 83 100
 85 68.3 45.1 83.7

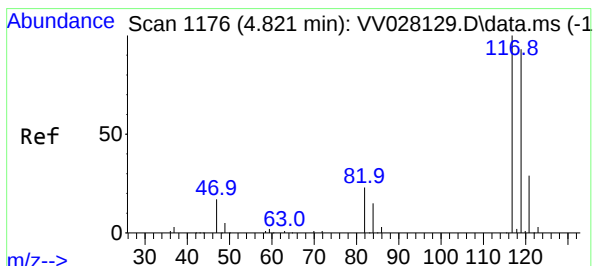
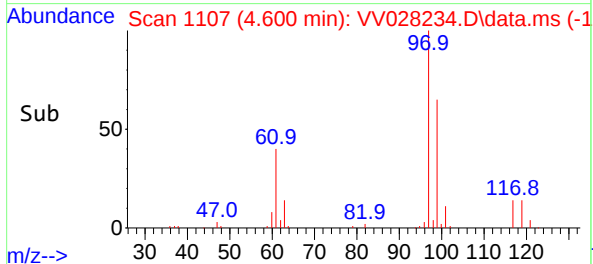
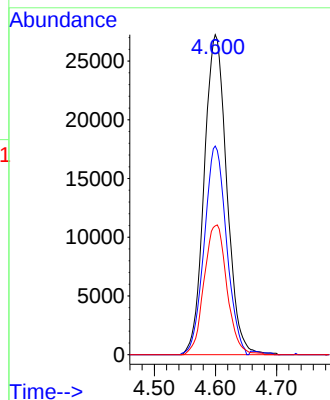
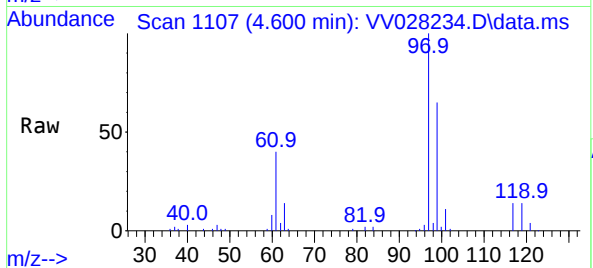




#29
1,1,1-Trichloroethane
Concen: 3.680 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

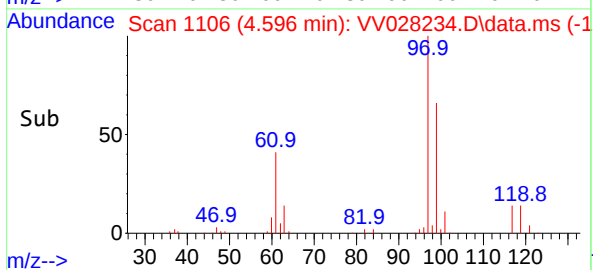
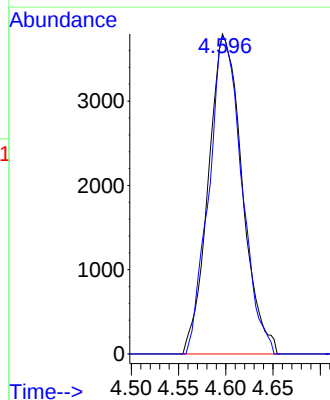
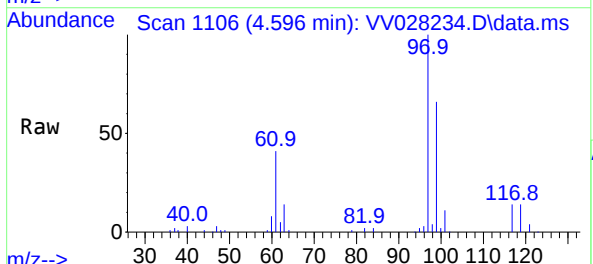
Instrument :
MSVOA_V
ClientSampleId :
EXZ52

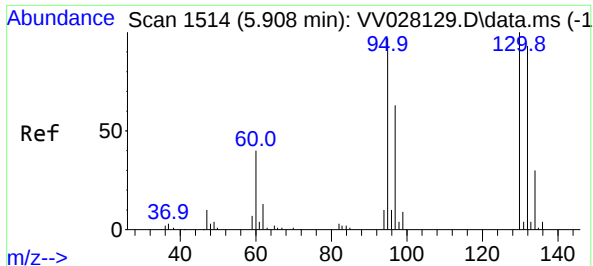
Tgt Ion: 97 Resp: 69933
Ion Ratio Lower Upper
97 100
99 64.2 51.9 77.9
61 41.0 34.8 52.2



#31
Carbon tetrachloride
Concen: 0.602 ug/L
RT: 4.596 min Scan# 1106
Delta R.T. -0.222 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

Tgt Ion: 117 Resp: 9414
Ion Ratio Lower Upper
117 100
119 96.9 76.9 115.3



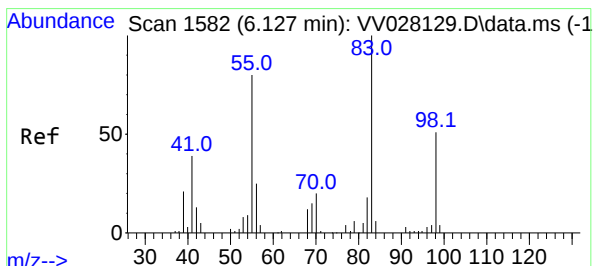
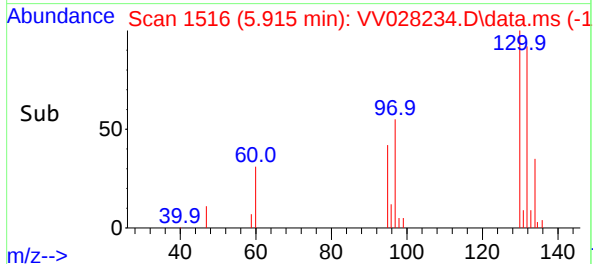
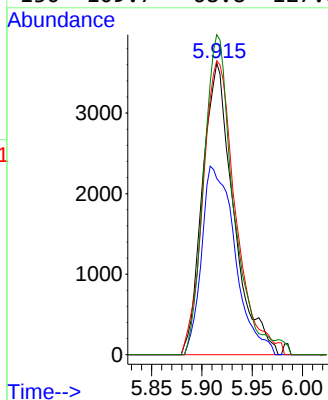
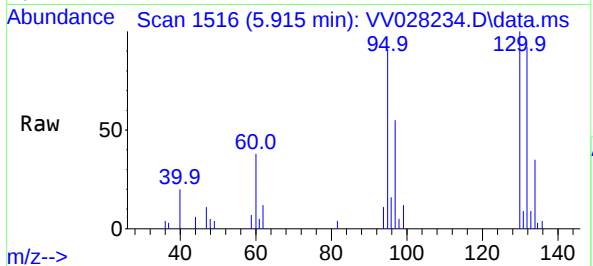


#34
Trichloroethene
Concen: 0.726 ug/L
RT: 5.915 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

Instrument :
MSVOA_V
ClientSampleId :
EXZ52

Tgt Ion: 95 Resp: 7764

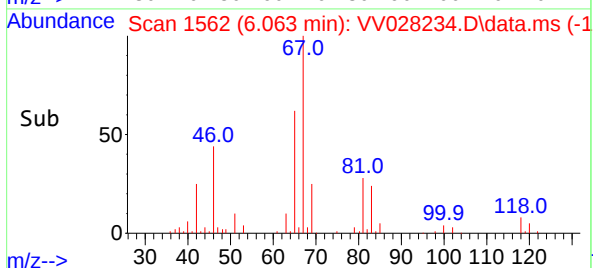
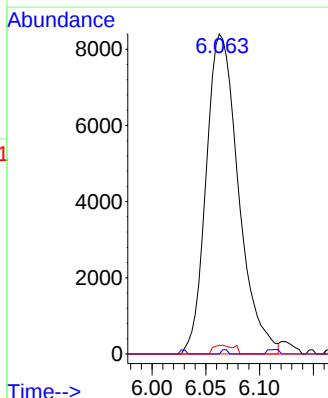
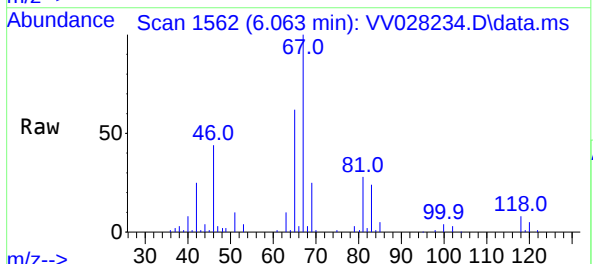
Ion	Ratio	Lower	Upper
95	100		
97	60.4	44.2	82.0
132	100.8	67.8	126.0
130	109.7	68.8	127.8

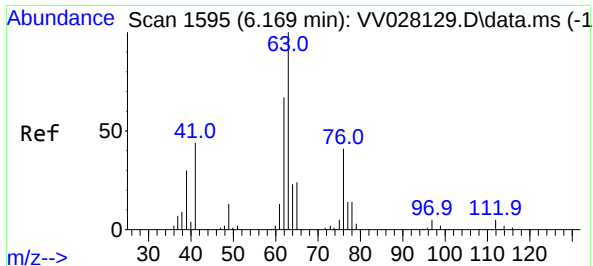


#35
Methylcyclohexane
Concen: 1.198 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

Tgt Ion: 83 Resp: 17561

Ion	Ratio	Lower	Upper
83	100		
55	0.3	64.7	97.1#
98	1.8	39.5	59.3#





#37

1,2-Dichloropropane

Concen: 0.616 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV028234.D

Acq: 30 Sep 2022 18:13

Instrument :

MSVOA_V

ClientSampleId :

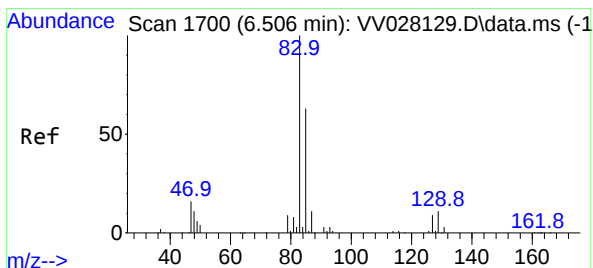
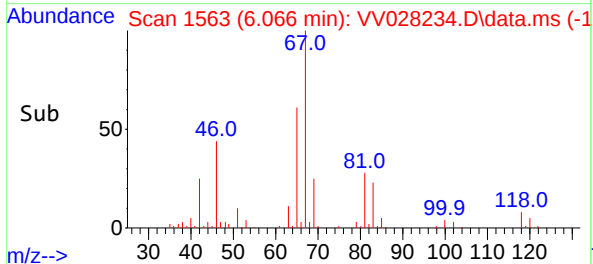
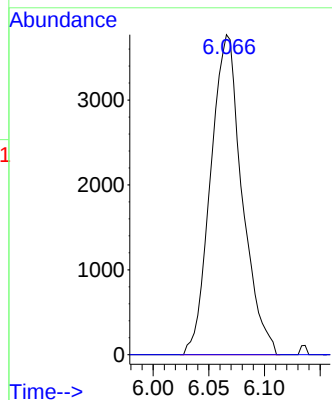
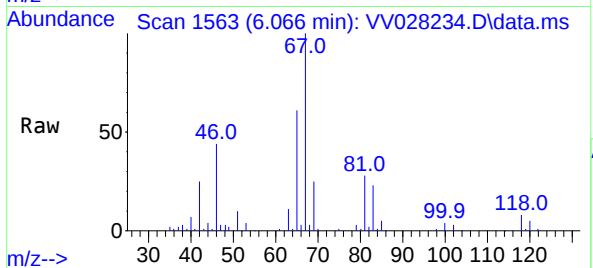
EXZ52

Tgt Ion: 63 Resp: 7422

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#38

Bromodichloromethane

Concen: 0.245 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.010 min

Lab File: VV028234.D

Acq: 30 Sep 2022 18:13

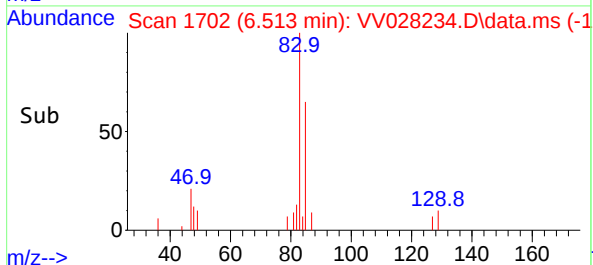
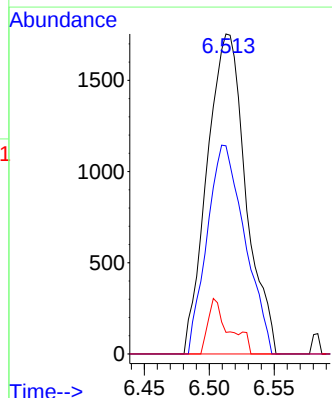
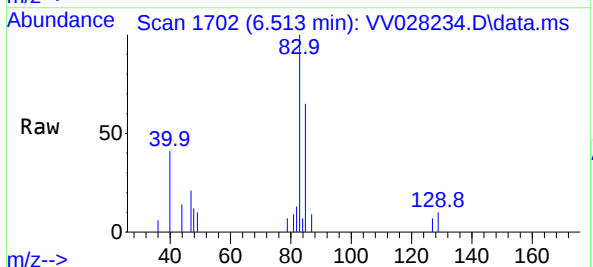
Tgt Ion: 83 Resp: 3640

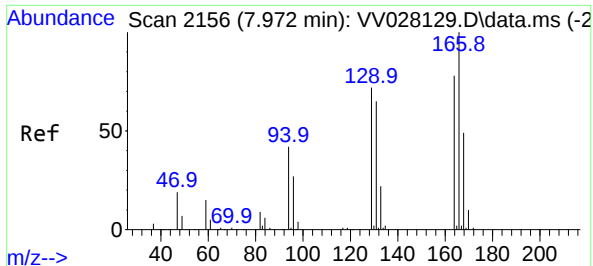
Ion Ratio Lower Upper

83 100

85 65.1 43.8 81.4

127 6.7 6.3 9.5



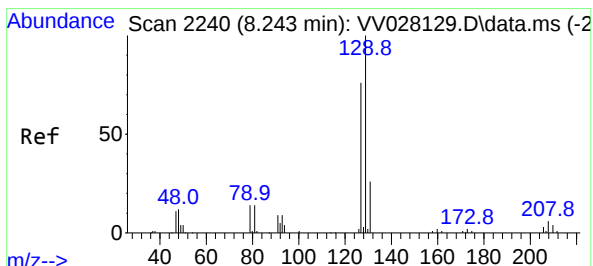
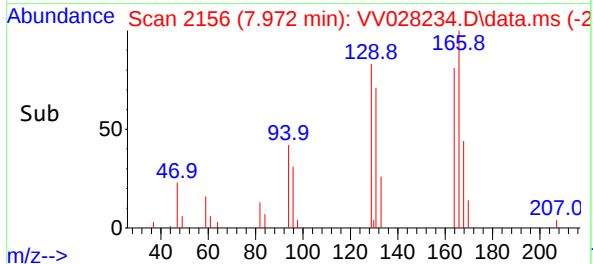
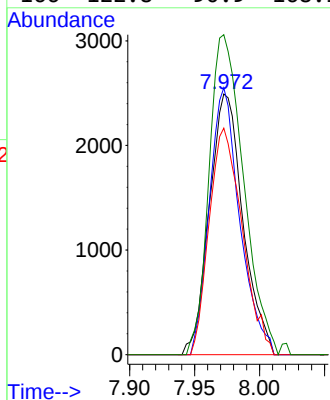
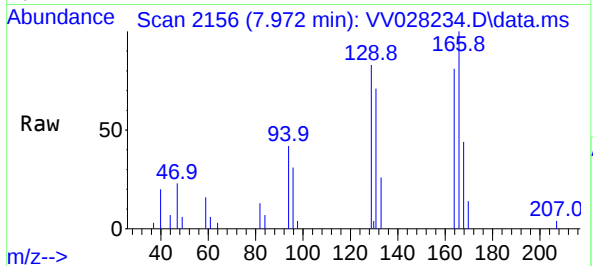


#47
Tetrachloroethene
Concen: 0.525 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

Instrument :
MSVOA_V
ClientSampleId :
EXZ52

Tgt Ion:164 Resp: 4484

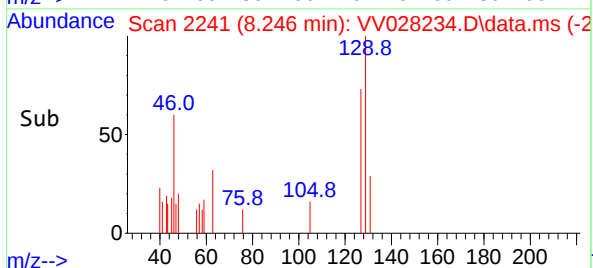
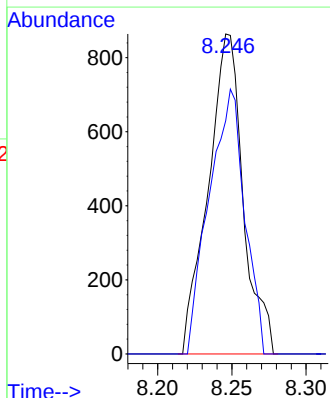
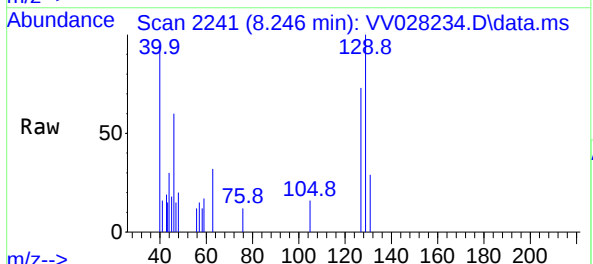
Ion	Ratio	Lower	Upper
164	100		
129	102.4	66.7	123.9
131	86.9	61.7	114.5
166	122.8	90.9	168.9

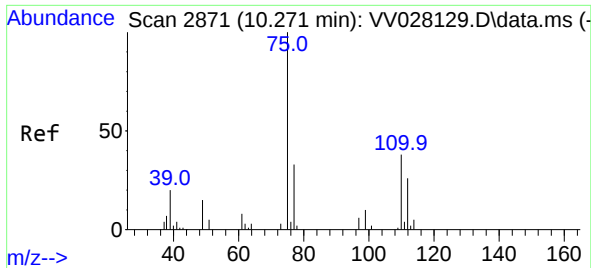


#49
Dibromochloromethane
Concen: 0.146 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VV028234.D
Acq: 30 Sep 2022 18:13

Tgt Ion:129 Resp: 1420

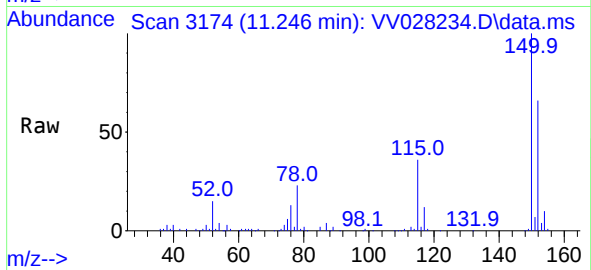
Ion	Ratio	Lower	Upper
129	100		
127	72.9	54.3	100.9





#61
 1,2,3-Trichloropropane
 Concen: 1.121 ug/L
 RT: 11.246 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV028234.D
 Acq: 30 Sep 2022 18:13

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ52



Tgt Ion: 75 Resp: 6681
 Ion Ratio Lower Upper
 75 100
 77 34.4 26.7 40.1
 110 2.4 30.1 45.1#

