

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VW029330.D
 Acq On : 24 Nov 2022 06:27
 Operator : SY/MD
 Sample : N5694-08DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 25 00:23:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 04:08:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	238376	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	209889	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	108005	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	83373	5.683	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	113.600%	
7) Chloroethane-d5	1.565	69	65701	6.118	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	122.400%	
11) 1,1-Dichloroethene-d2	2.105	63	103031	4.389	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	87.800%	
20) 2-Butanone-d5	3.905	46	159405	64.956	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	129.920%	
24) Chloroform-d	4.339	84	152563	5.827	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	116.600%	
26) 1,2-Dichloroethane-d4	5.027	65	72294	6.275	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	125.600%	
32) Benzene-d6	5.043	84	339808	5.858	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	117.200%	
36) 1,2-Dichloropropane-d6	6.063	67	97844	6.003	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	120.000%	
41) Toluene-d8	7.307	98	305513	5.580	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	111.600%	
43) trans-1,3-Dichloroprop...	7.616	79	33931	5.399	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	108.000%	
46) 2-Hexanone-d5	8.085	63	145672	65.029	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	130.060%#	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	63866	6.350	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	127.000%#	
66) 1,2-Dichlorobenzene-d4	11.616	152	111737	5.922	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	118.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.217	85	1357	0.076	ug/L	98
3) Chloromethane	1.240	50	1474	0.090	ug/L	95
6) Bromomethane	1.519	94	448	0.044	ug/L	99
12) 1,1-Dichloroethene	2.114	96	7752	0.632	ug/L #	1
16) Methylene chloride	2.503	84	14246	0.761	ug/L	98
17) Methyl tert-butyl Ether	2.764	73	954	0.030	ug/L #	91
18) trans-1,2-Dichloroethene	2.761	96	3748	0.266	ug/L	95
19) 1,1-Dichloroethane	3.185	63	58497	2.310	ug/L	96
22) cis-1,2-Dichloroethene	3.902	96	150954	9.381	ug/L	99
27) 1,2-Dichloroethane	5.130	62	2406	0.168	ug/L	95
29) 1,1,1-Trichloroethane	4.600	97	61367	2.542	ug/L	100
31) Carbon tetrachloride	4.603	117	8569	0.420	ug/L	94
33) Benzene	5.098	78	3457	0.055	ug/L	100
34) Trichloroethene	5.908	95	63714	3.979	ug/L	98
35) Methylcyclohexane	6.063	83	23362	0.864	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	10358	0.700	ug/L #	85
39) cis-1,3-Dichloropropene	6.979	75	2402	0.111	ug/L #	77
44) trans-1,3-Dichloropropene	7.616	75	1571	0.092	ug/L #	59
61) 1,2,3-Trichloropropane	11.236	75	12001	1.602	ug/L #	66

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 24 04:08:22 2022
Response via : Initial Calibration

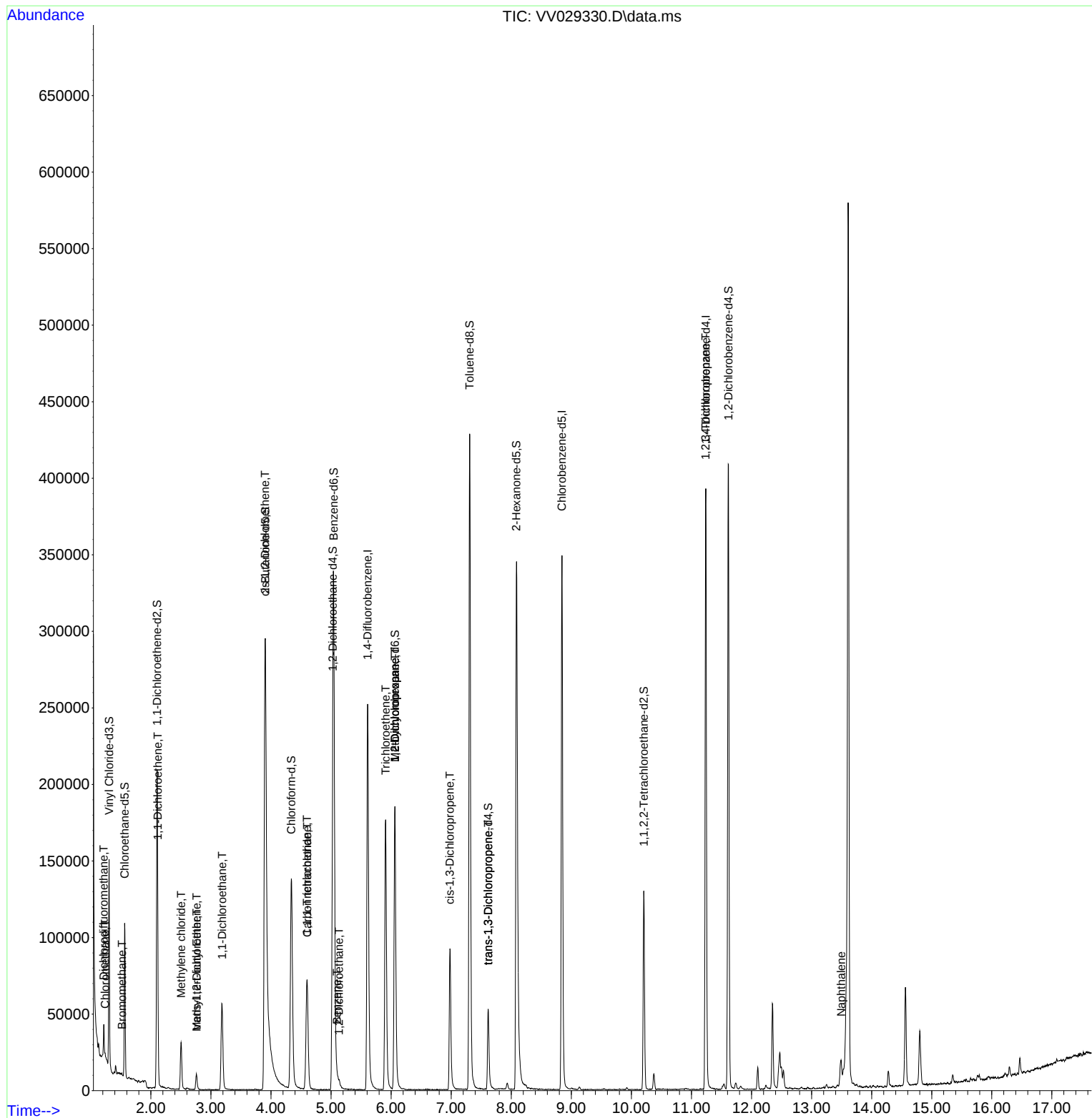
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.493	128	9782	0.520	ug/L	100

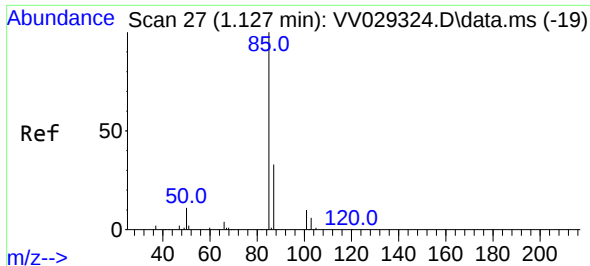
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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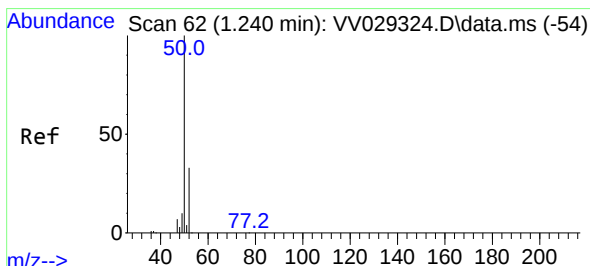
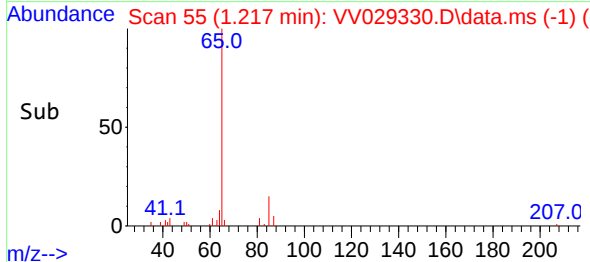
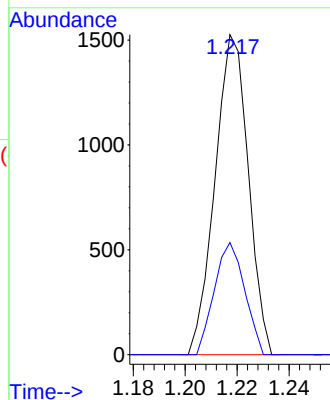
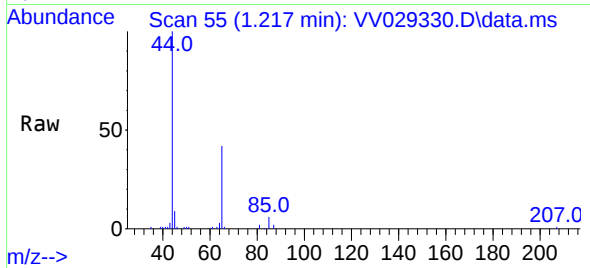




#2
Dichlorodifluoromethane
Concen: 0.076 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.090 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

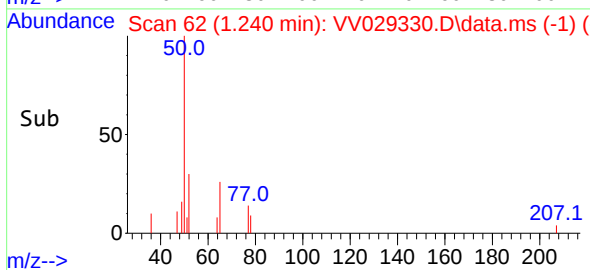
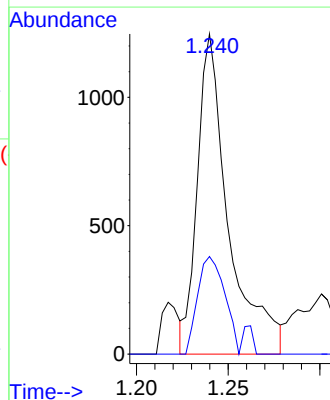
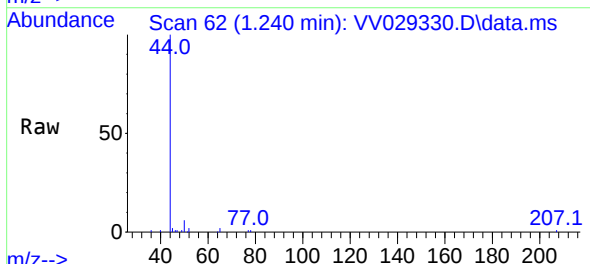
Instrument :
MSVOA_V
ClientSampleId :

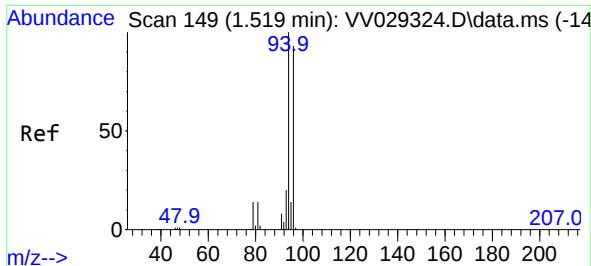
Tgt Ion: 85 Resp: 1357
Ion Ratio Lower Upper
85 100
87 31.9 26.2 39.4



#3
Chloromethane
Concen: 0.090 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Tgt Ion: 50 Resp: 1474
Ion Ratio Lower Upper
50 100
52 30.5 23.2 43.2

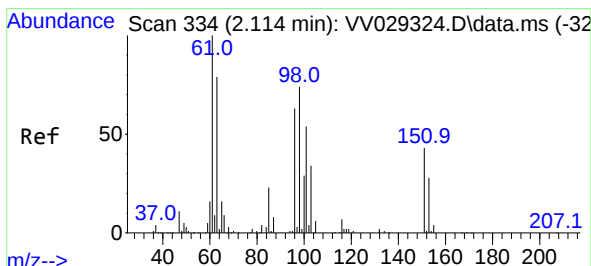
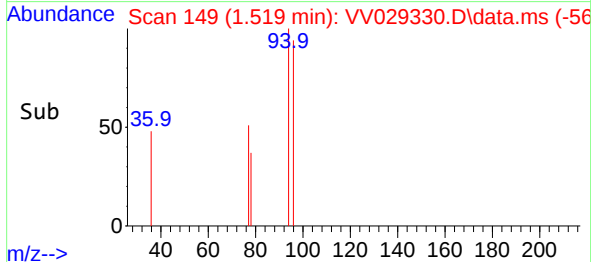
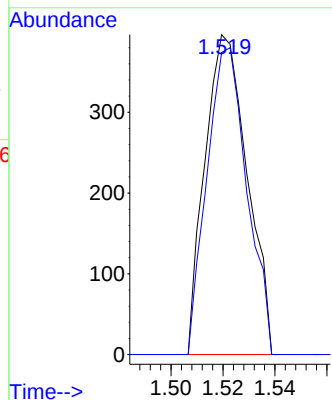
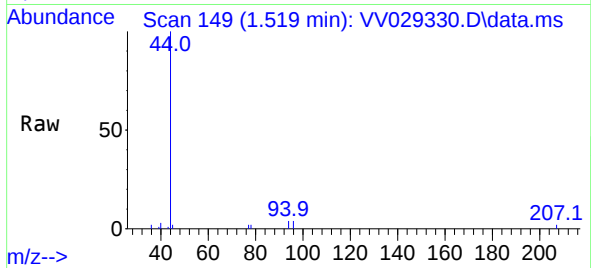




#6
Bromomethane
Concen: 0.044 ug/L
RT: 1.519 min Scan# 14
Delta R.T. 0.000 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

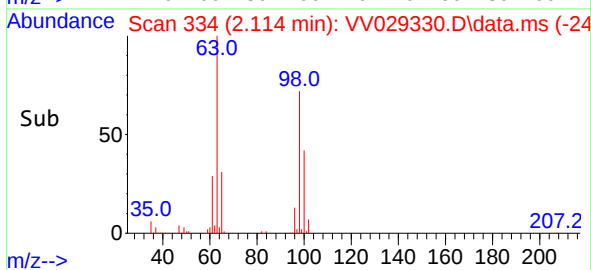
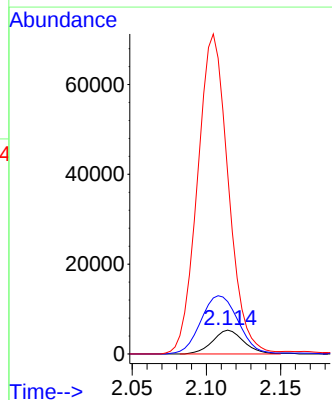
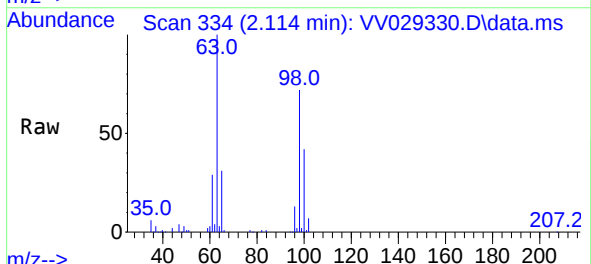
Instrument :
MSVOA_V
ClientSampleId :

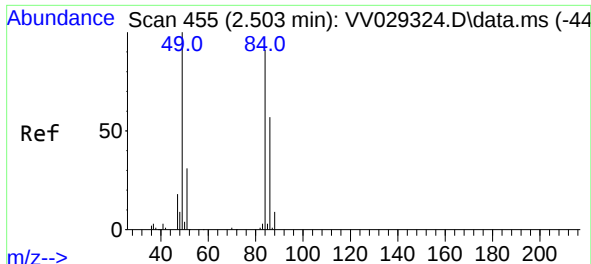
Tgt Ion: 94 Resp: 448
Ion Ratio Lower Upper
94 100
96 94.4 65.4 121.4



#12
1,1-Dichloroethene
Concen: 0.632 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

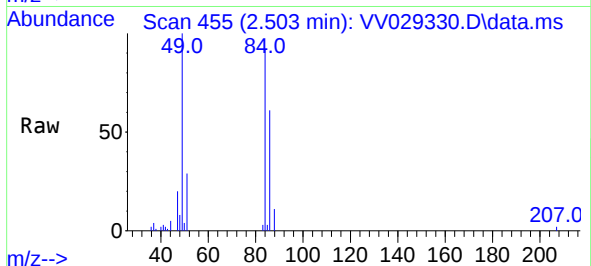
Tgt Ion: 96 Resp: 7752
Ion Ratio Lower Upper
96 100
61 220.3 110.3 204.9#
63 757.0 84.4 156.8#





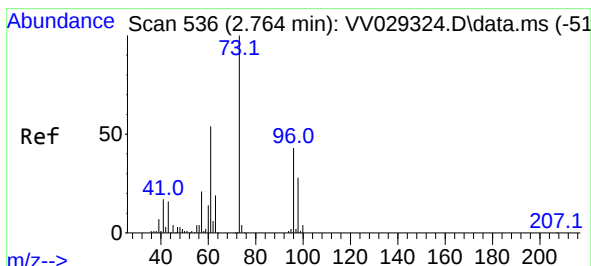
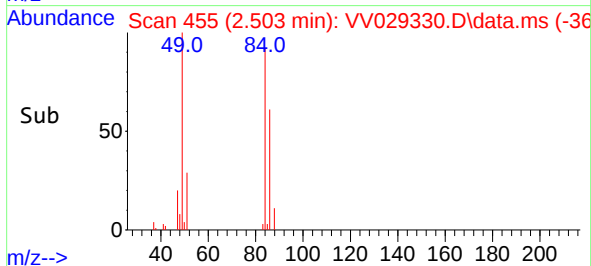
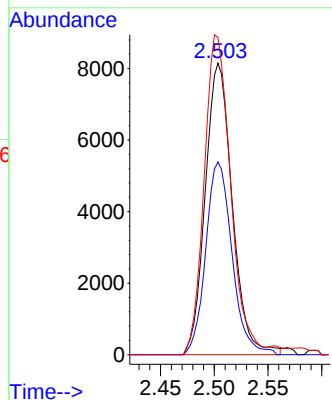
#16
Methylene chloride
Concen: 0.761 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 14246

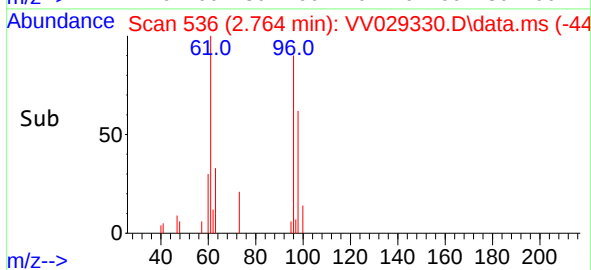
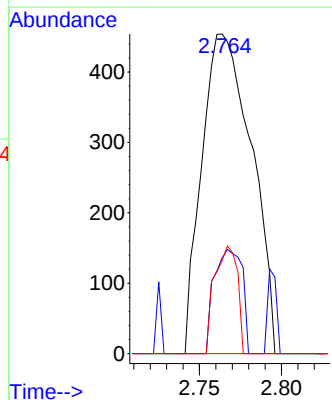
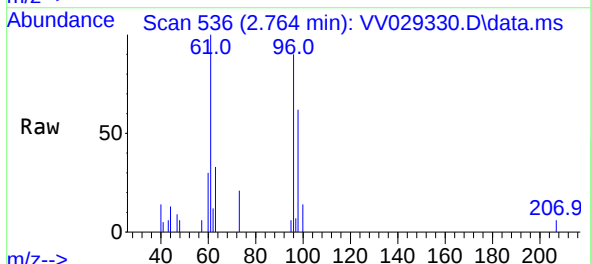
Ion	Ratio	Lower	Upper
84	100		
86	66.1	45.6	84.6
49	108.9	77.8	144.4

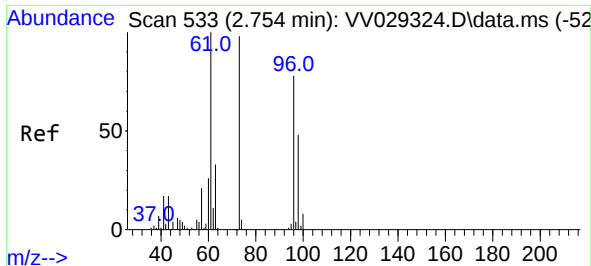


#17
Methyl tert-butyl Ether
Concen: 0.030 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Tgt Ion: 73 Resp: 954

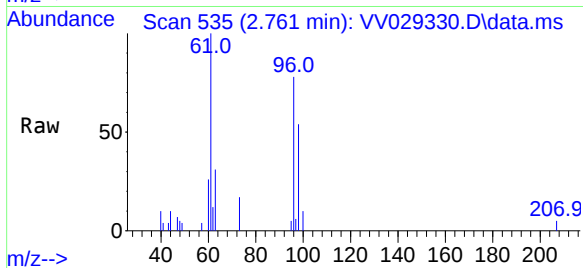
Ion	Ratio	Lower	Upper
73	100		
43	18.3	13.2	19.8
57	15.4	16.9	25.3



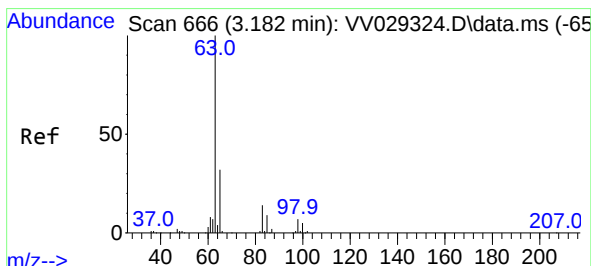
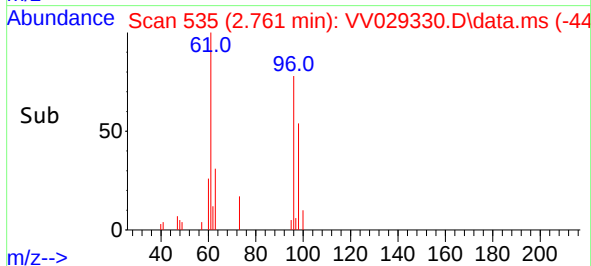
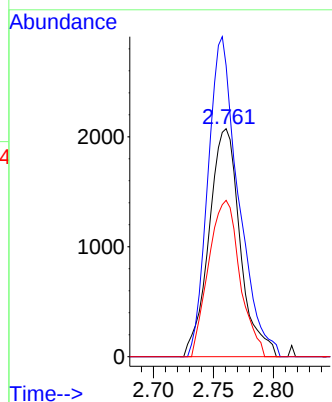


#18
trans-1,2-Dichloroethene
Concen: 0.266 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Instrument :
MSVOA_V
ClientSampleId :

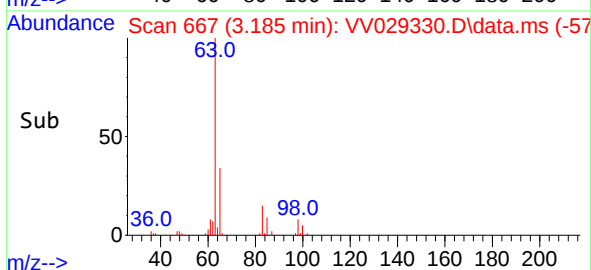
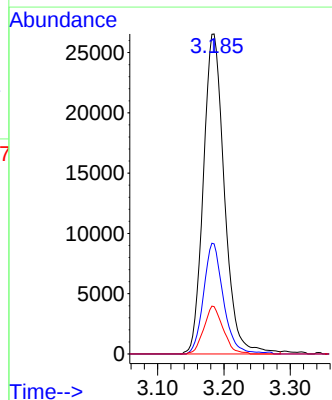
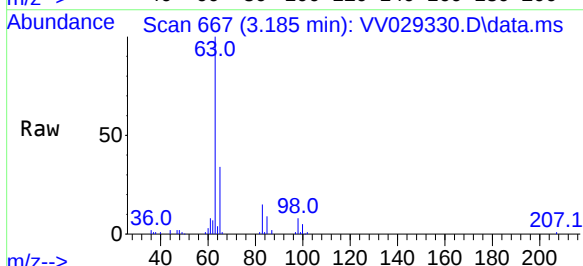


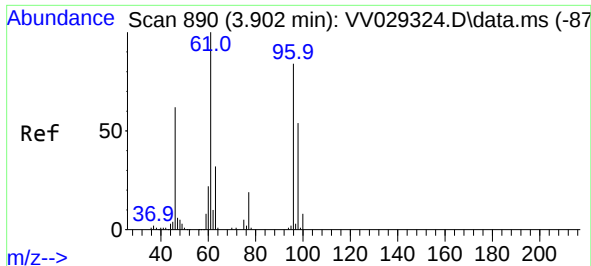
Tgt Ion: 96 Resp: 3748
Ion Ratio Lower Upper
96 100
61 127.6 93.0 172.6
98 68.6 44.0 81.8



#19
1,1-Dichloroethane
Concen: 2.310 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

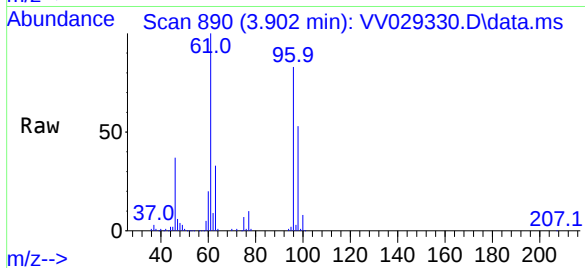
Tgt Ion: 63 Resp: 58497
Ion Ratio Lower Upper
63 100
65 34.4 21.6 40.2
83 14.8 10.3 19.1





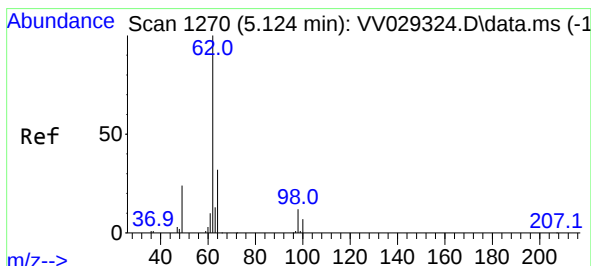
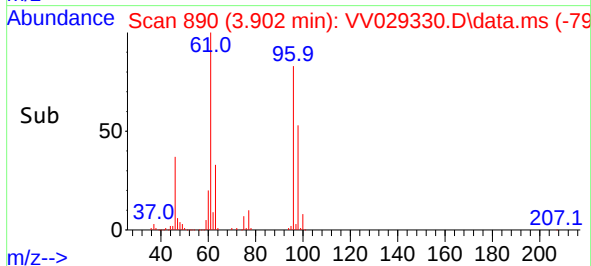
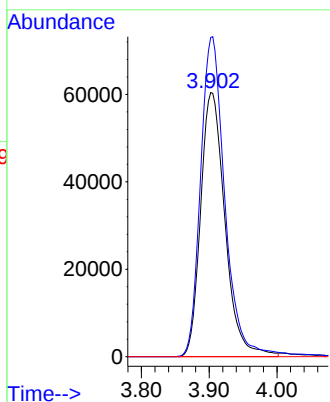
#22
 cis-1,2-Dichloroethene
 Concen: 9.381 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.000 min
 Lab File: VV029330.D
 Acq: 24 Nov 2022 06:27

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 150954

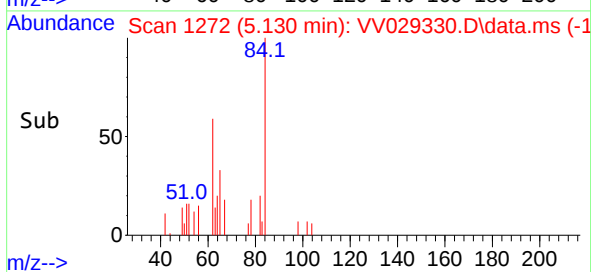
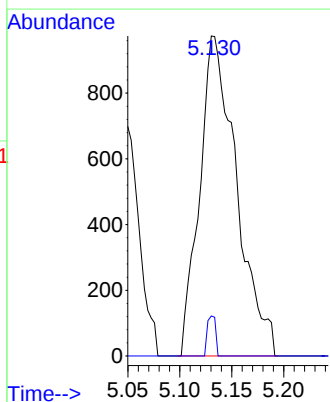
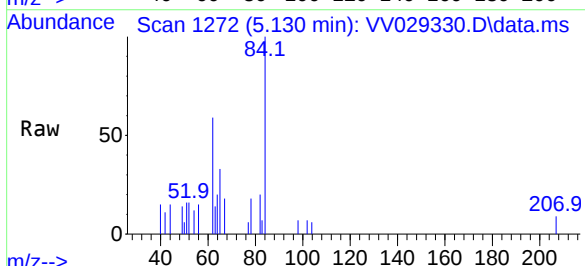
Ion	Ratio	Lower	Upper
96	100		
61	120.8	85.8	159.3
68	0.0	0.0	0.0

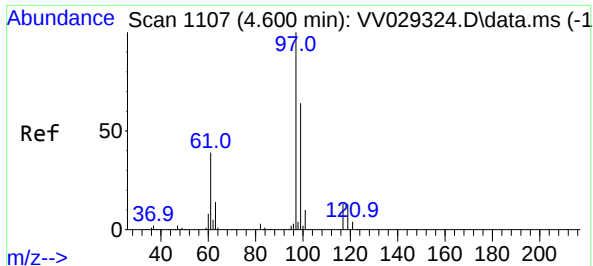


#27
 1,2-Dichloroethane
 Concen: 0.168 ug/L
 RT: 5.130 min Scan# 1272
 Delta R.T. 0.006 min
 Lab File: VV029330.D
 Acq: 24 Nov 2022 06:27

Tgt Ion: 62 Resp: 2406

Ion	Ratio	Lower	Upper
62	100		
98	12.5	8.4	12.6

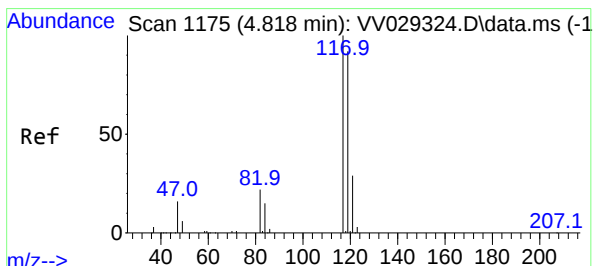
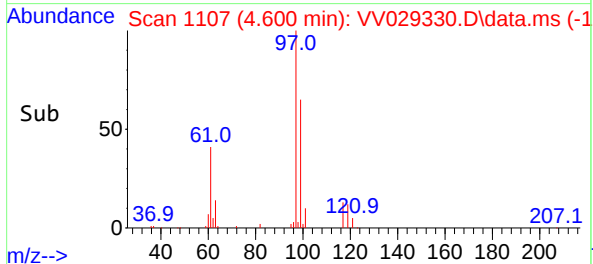
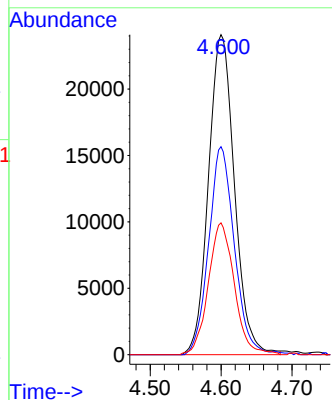
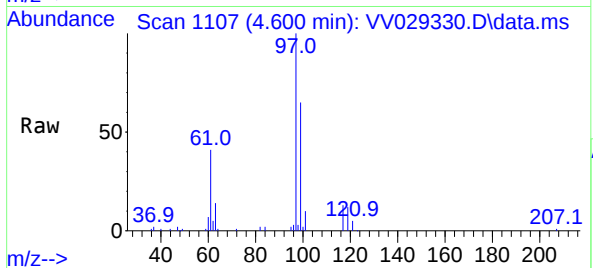




#29
1,1,1-Trichloroethane
Concen: 2.542 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

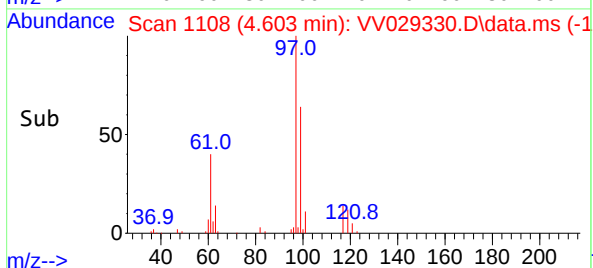
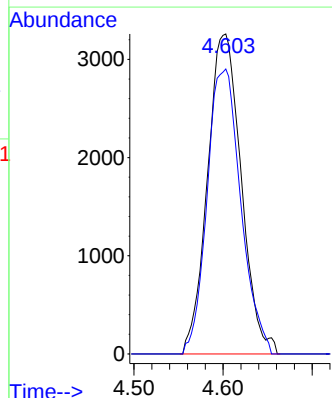
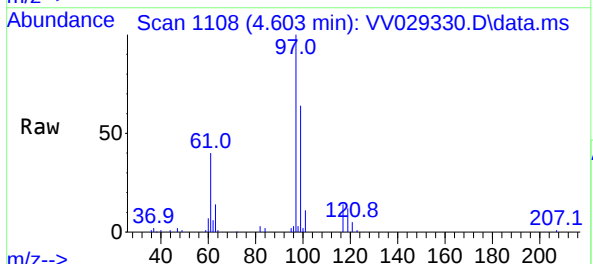
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ClientSampleId :

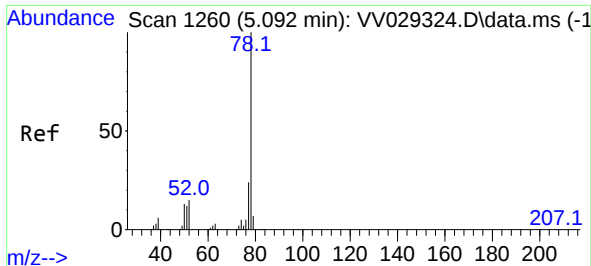
Tgt Ion: 97 Resp: 61367
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 41.3 33.3 49.9



#31
Carbon tetrachloride
Concen: 0.420 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. -0.215 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Tgt Ion: 117 Resp: 8569
Ion Ratio Lower Upper
117 100
119 89.1 75.7 113.5

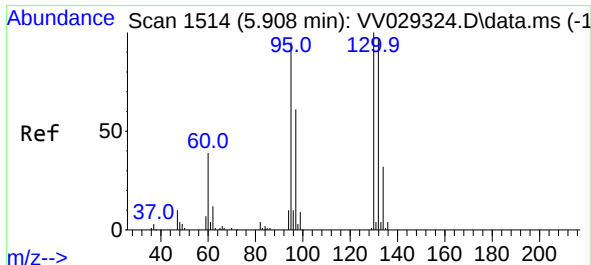
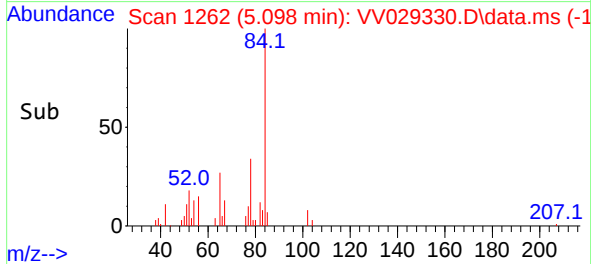
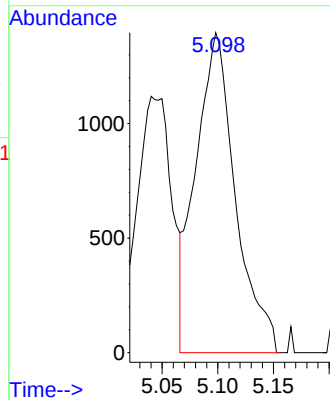
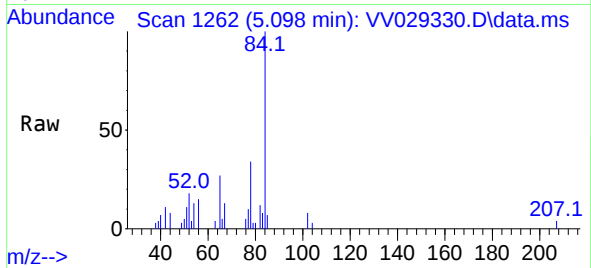




#33
Benzene
Concen: 0.055 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Instrument :
MSVOA_V
ClientSampleId :

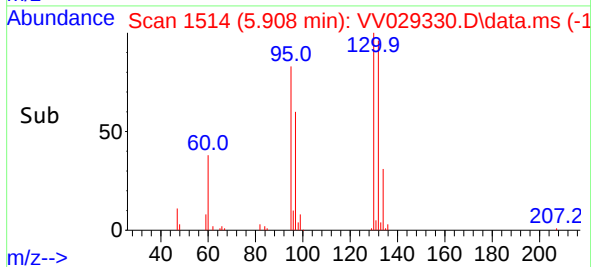
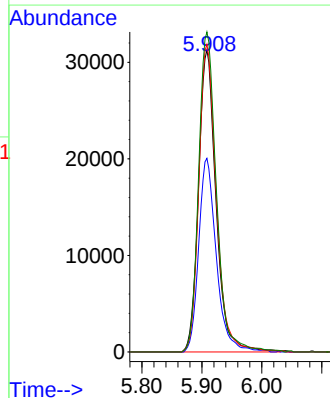
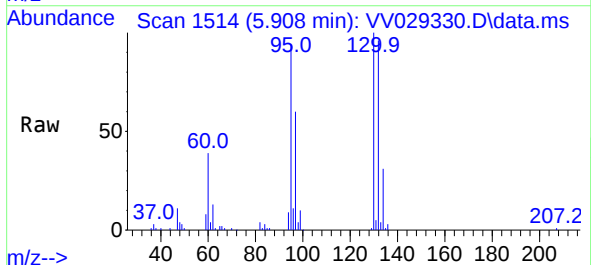
Tgt Ion: 78 Resp: 3457

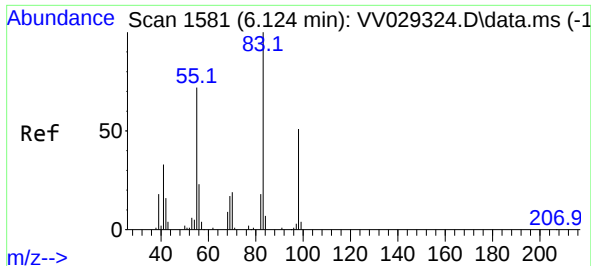


#34
Trichloroethene
Concen: 3.979 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Tgt Ion: 95 Resp: 63714

Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.4	84.4
132	101.9	73.3	136.1
130	106.0	75.6	140.4

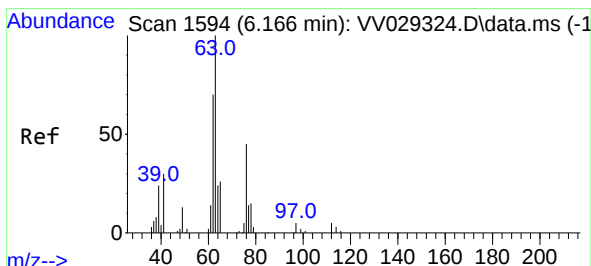
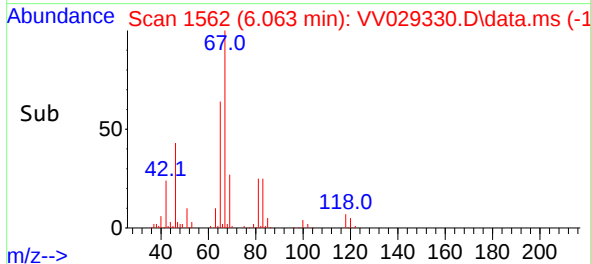
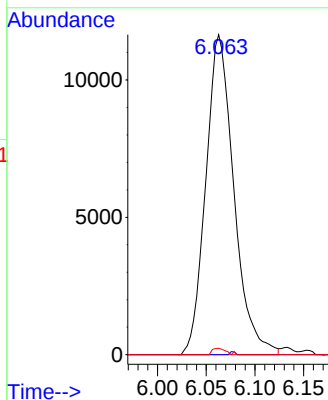
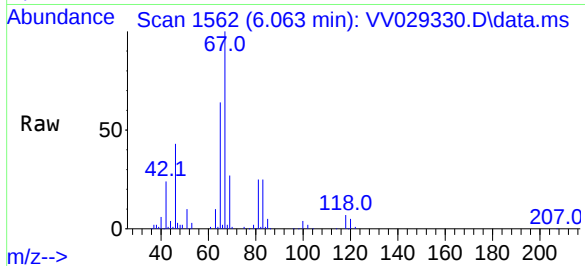




#35
Methylcyclohexane
Concen: 0.864 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

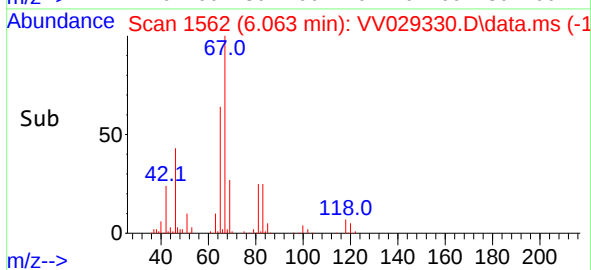
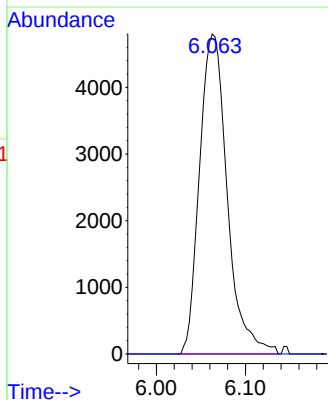
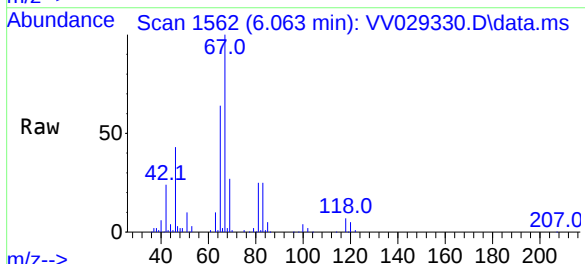
Instrument :
MSVOA_V
ClientSampleId :

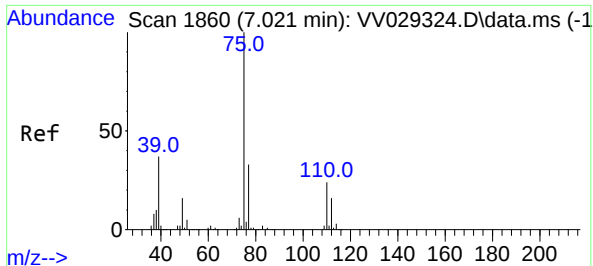
Tgt Ion: 83 Resp: 23362
Ion Ratio Lower Upper
83 100
55 0.2 55.4 83.2#
98 1.0 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.700 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.103 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Tgt Ion: 63 Resp: 10358
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#





#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 6.979 min Scan# 1860

Delta R.T. -0.042 min

Lab File: VV029330.D

Acq: 24 Nov 2022 06:27

Instrument :

MSVOA_V

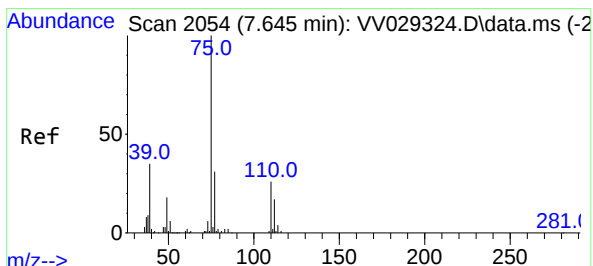
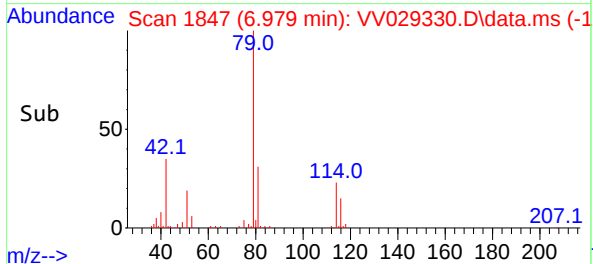
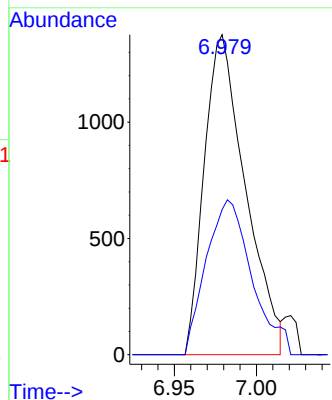
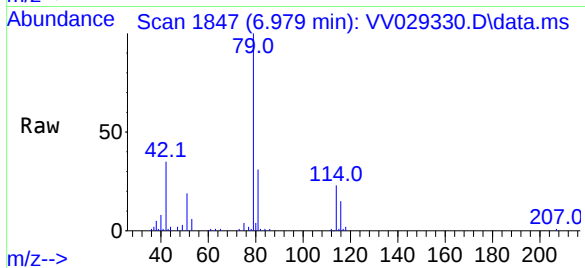
ClientSampleId :

Tgt Ion: 75 Resp: 2402

Ion Ratio Lower Upper

75 100

77 45.3 22.7 42.3#



#44

trans-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.616 min Scan# 2045

Delta R.T. -0.029 min

Lab File: VV029330.D

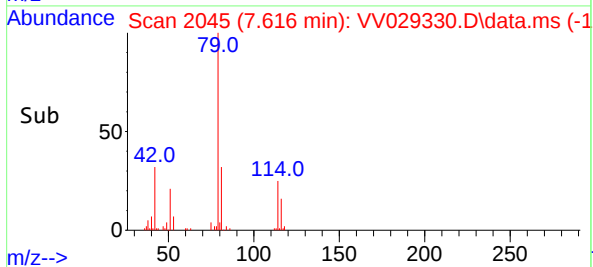
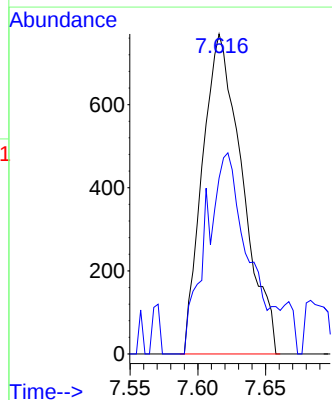
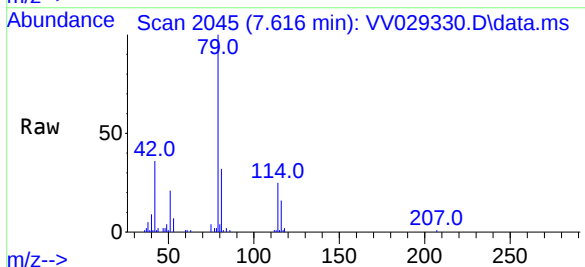
Acq: 24 Nov 2022 06:27

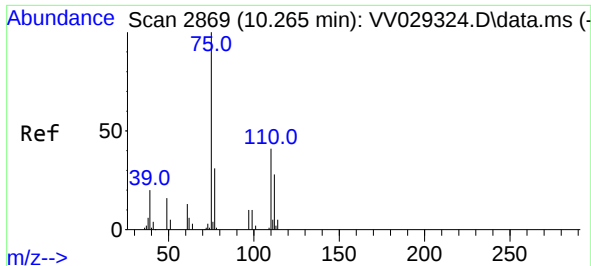
Tgt Ion: 75 Resp: 1571

Ion Ratio Lower Upper

75 100

77 54.9 22.4 41.6#

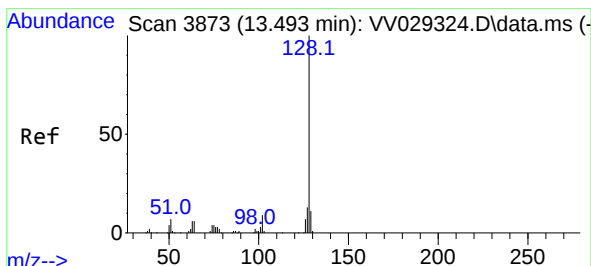
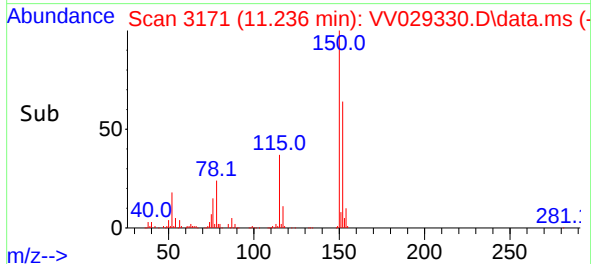
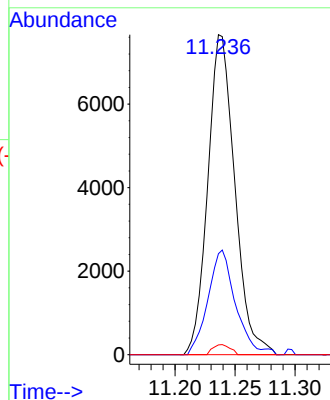
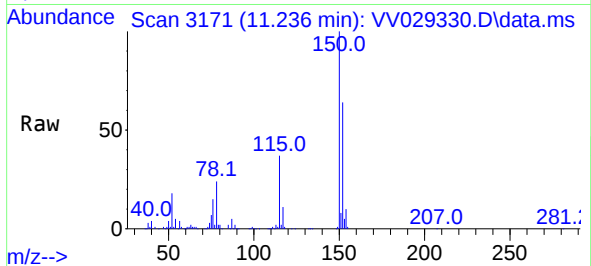




#61
1,2,3-Trichloropropane
Concen: 1.602 ug/L
RT: 11.236 min Scan# 31171
Delta R.T. 0.971 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 12001
Ion Ratio Lower Upper
75 100
77 33.4 26.7 40.1
110 2.0 32.2 48.4#



#71
Naphthalene
Concen: 0.520 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.000 min
Lab File: VV029330.D
Acq: 24 Nov 2022 06:27

Tgt Ion:128 Resp: 9782
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.1 10.6 15.8

