

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029207.D
 Acq On : 20 Nov 2022 06:13
 Operator : SY/MD
 Sample : N5651-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1K0

Quant Time: Nov 21 00:23:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 03:53:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	307150	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	282787	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	128617	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	94218	5.032	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.600%
7) Chloroethane-d5	1.568	69	76431	4.643	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	2.108	63	129341	3.790	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.800%
20) 2-Butanone-d5	3.896	46	177848	56.738	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.480%
24) Chloroform-d	4.343	84	170595	4.437	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.031	65	79102	4.573	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.047	84	357025	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.066	67	105089	4.459	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.310	98	308116	4.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	7.622	79	30962	4.028	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.600%
46) 2-Hexanone-d5	8.088	63	144678	44.092	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.180%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	74560	4.563	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	11.616	152	110041	4.782	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	14650	0.572	ug/L	98
3) Chloromethane	1.240	50	4034	0.190	ug/L	89
5) Vinyl chloride	1.310	62	1507	0.062	ug/L #	1
8) Chloroethane	1.439	64	20013	1.405	ug/L #	51
9) Trichlorofluoromethane	1.751	101	1699661	52.005	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	29950	1.619	ug/L	97
12) 1,1-Dichloroethene	2.118	96	18404	0.990	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	115520	2.898	ug/L	99
18) trans-1,2-Dichloroethene	2.761	96	1432	0.066	ug/L	87
19) 1,1-Dichloroethane	3.185	63	134492	3.815	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	17722	0.808	ug/L	99
25) Chloroform	4.371	83	11010	0.298	ug/L	95
27) 1,2-Dichloroethane	5.146	62	3100	0.163	ug/L #	94
29) 1,1,1-Trichloroethane	4.606	97	10056	0.303	ug/L	96
34) Trichloroethene	5.908	95	158200	7.151	ug/L	98
35) Methylcyclohexane	6.066	83	26192	0.674	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	11167	0.560	ug/L #	85
39) cis-1,3-Dichloropropene	6.989	75	2147	0.077	ug/L #	44
47) Tetrachloroethene	7.973	164	19369	1.093	ug/L	94

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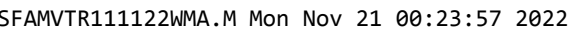
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MSVOA_V
ClientSampleId :
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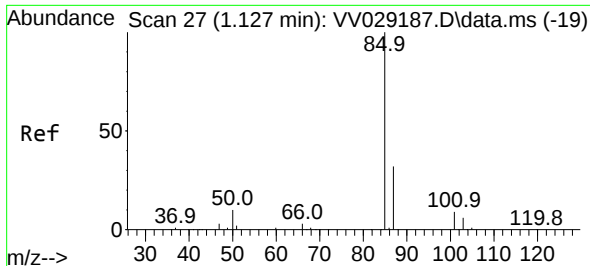
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sun Nov 20 03:53:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.973	129	17005	1.078	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	13687	1.557	ug/L #	65

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

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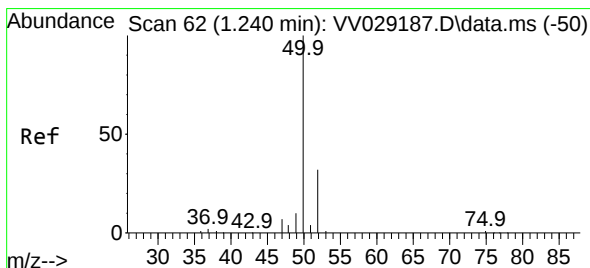
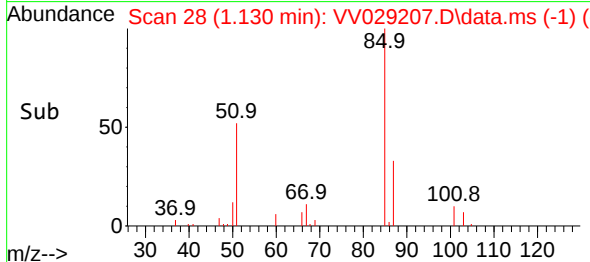
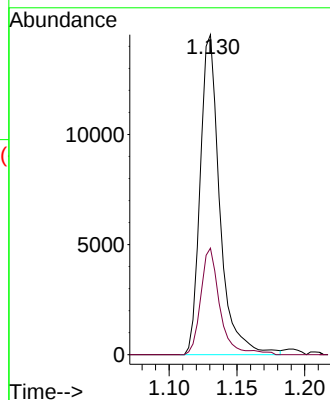
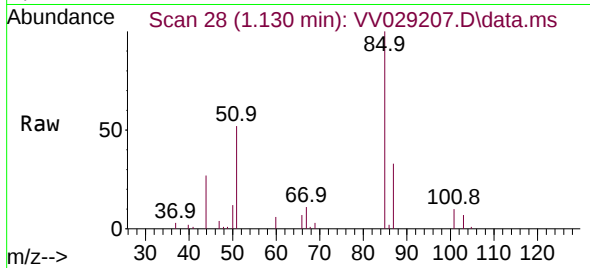




#2
Dichlorodifluoromethane
Concen: 0.572 ug/L
RT: 1.130 min Scan# 27
Delta R.T. 0.003 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

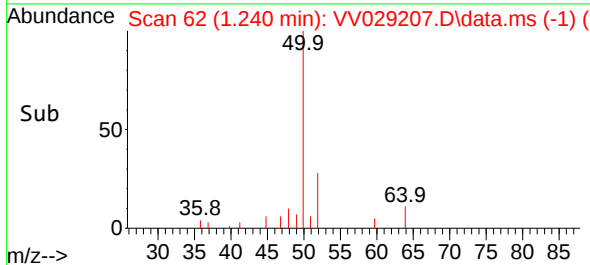
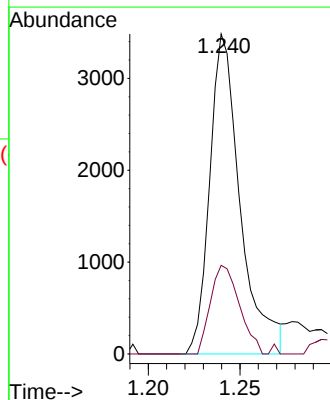
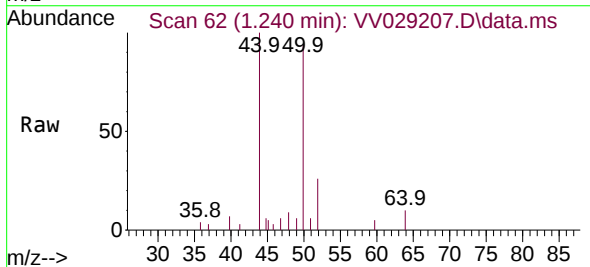
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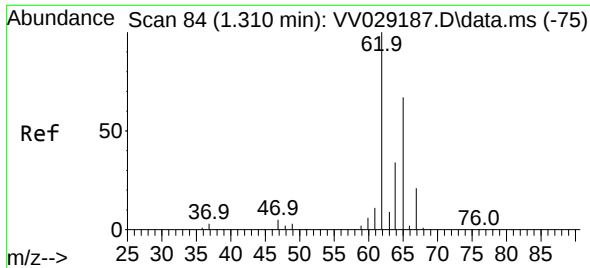
Tgt Ion: 85 Resp: 14650
Ion Ratio Lower Upper
85 100
87 32.5 25.0 37.4



#3
Chloromethane
Concen: 0.190 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

Tgt Ion: 50 Resp: 4034
Ion Ratio Lower Upper
50 100
52 27.7 23.7 43.9

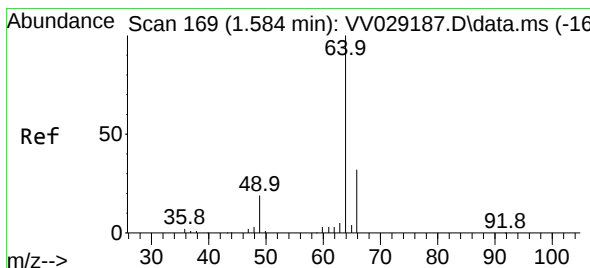
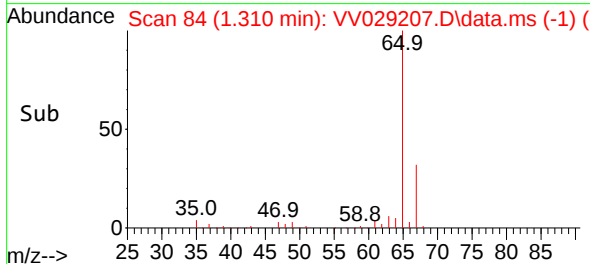
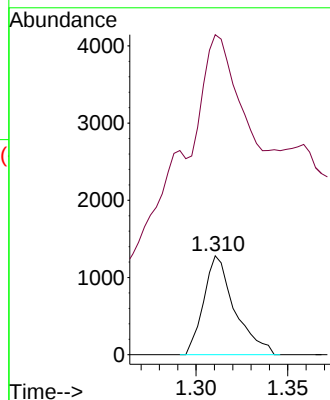
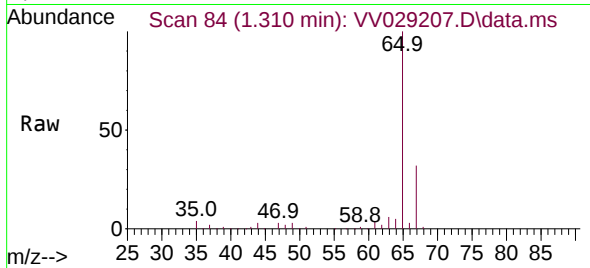




#5
 Vinyl chloride
 Concen: 0.062 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029207.D
 Acq: 20 Nov 2022 06:13

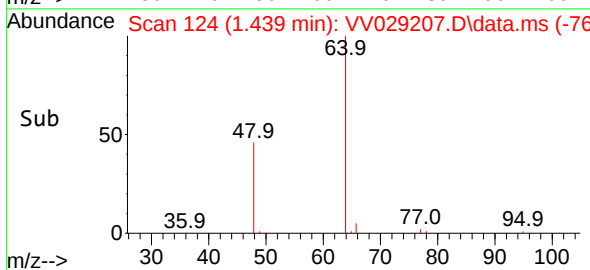
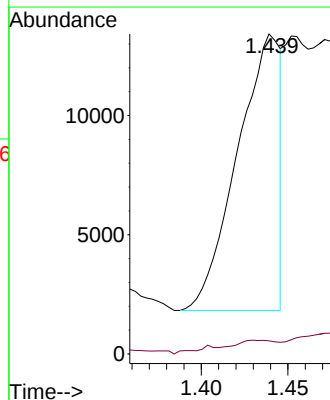
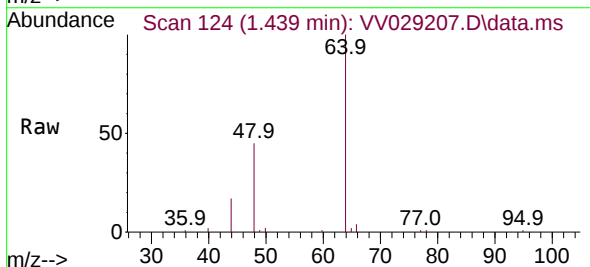
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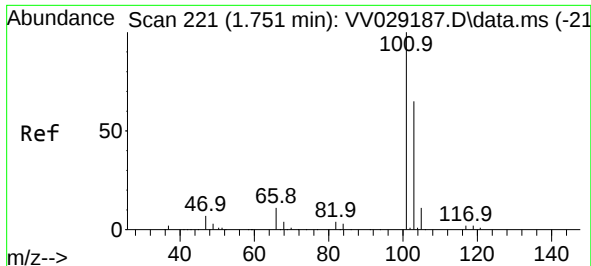
Tgt Ion: 62 Resp: 1507
 Ion Ratio Lower Upper
 62 100
 64 323.3 22.8 42.4#



#8
 Chloroethane
 Concen: 1.405 ug/L
 RT: 1.439 min Scan# 124
 Delta R.T. -0.145 min
 Lab File: VV029207.D
 Acq: 20 Nov 2022 06:13

Tgt Ion: 64 Resp: 20013
 Ion Ratio Lower Upper
 64 100
 66 4.1 22.0 40.8#

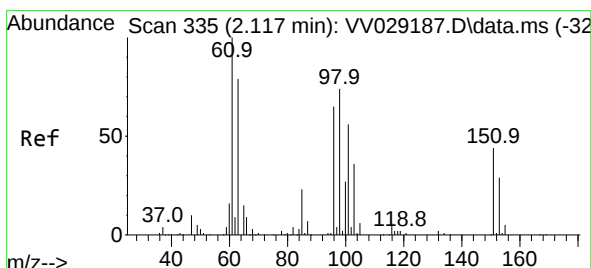
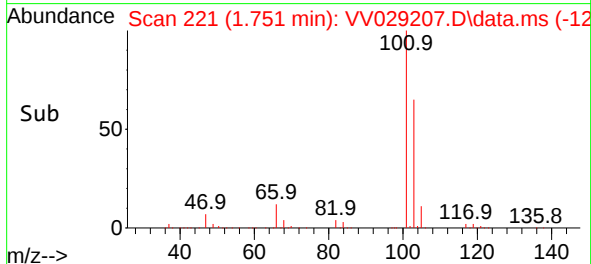
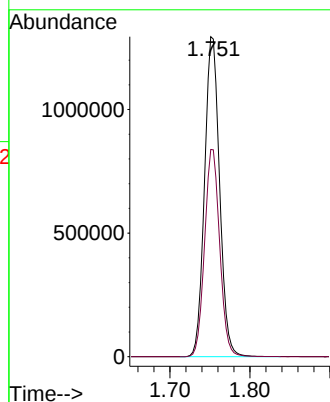
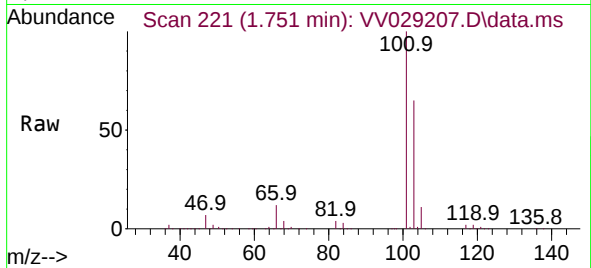




#9
 Trichlorofluoromethane
 Concen: 52.005 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029207.D
 Acq: 20 Nov 2022 06:13

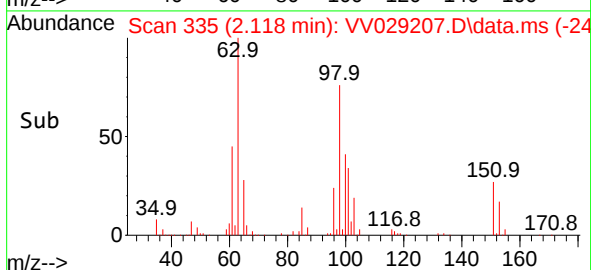
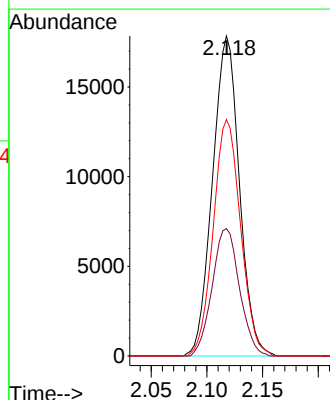
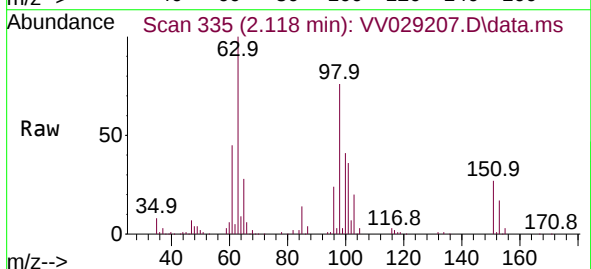
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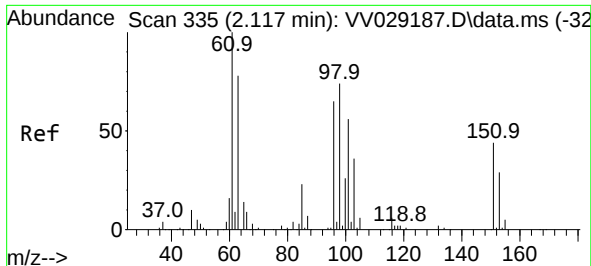
Tgt Ion:101 Resp: 1699661
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.3 76.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.619 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV029207.D
 Acq: 20 Nov 2022 06:13

Tgt Ion:101 Resp: 29950
 Ion Ratio Lower Upper
 101 100
 85 40.4 32.9 49.3
 151 75.1 62.5 93.7

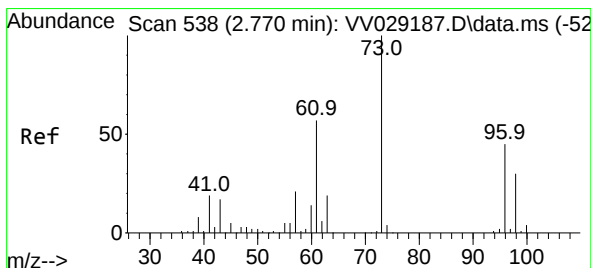
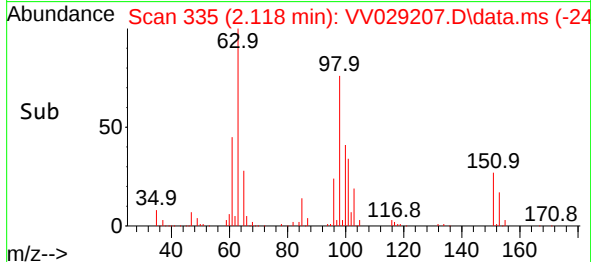
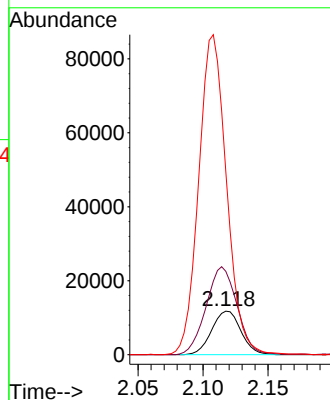
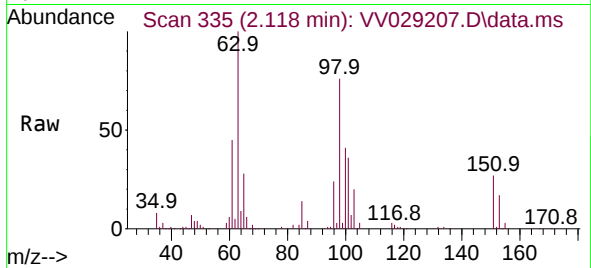




#12
1,1-Dichloroethene
Concen: 0.990 ug/L
RT: 2.118 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

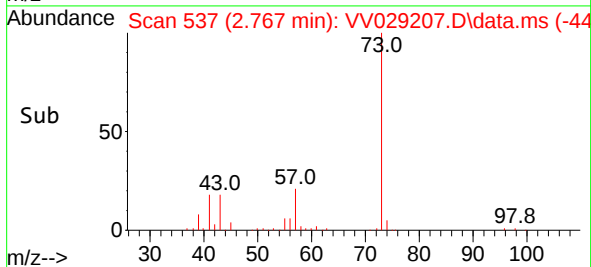
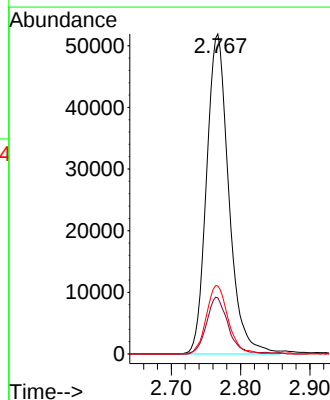
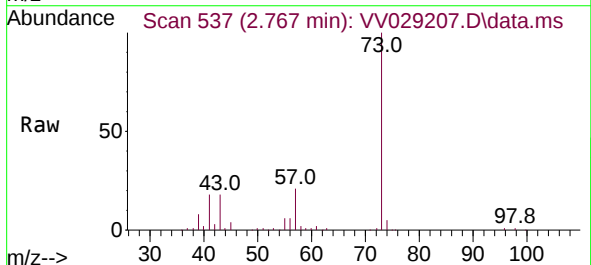
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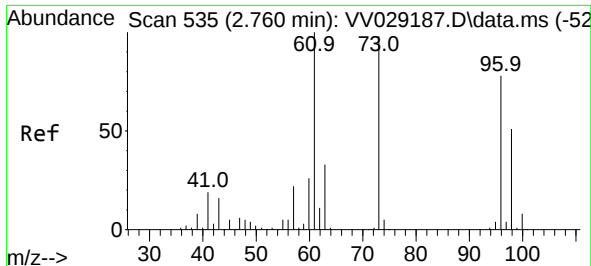
Tgt Ion: 96 Resp: 18404
Ion Ratio Lower Upper
96 100
61 191.0 104.2 193.4
63 420.2 75.9 140.9#



#17
Methyl tert-butyl Ether
Concen: 2.898 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.003 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

Tgt Ion: 73 Resp: 115520
Ion Ratio Lower Upper
73 100
43 17.1 13.0 19.4
57 21.0 16.6 24.8

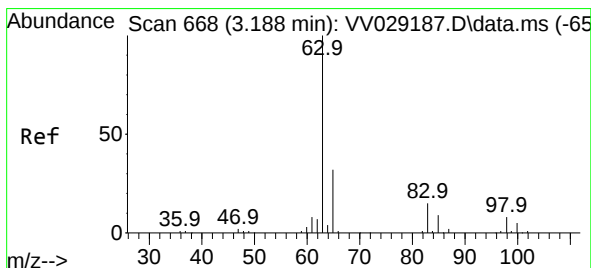
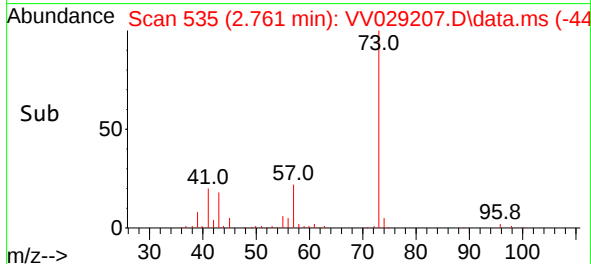
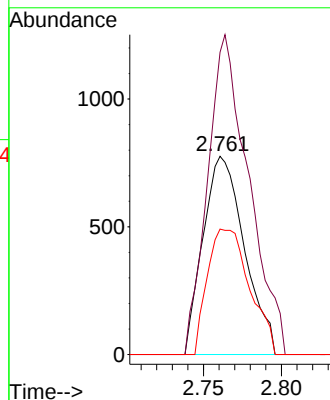
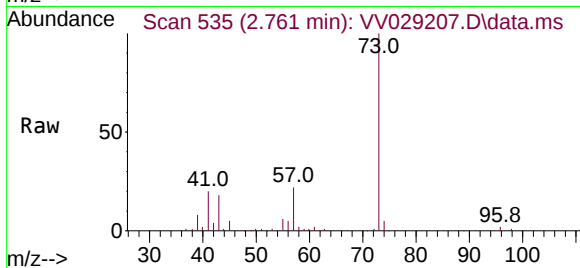




#18
trans-1,2-Dichloroethene
Concen: 0.066 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

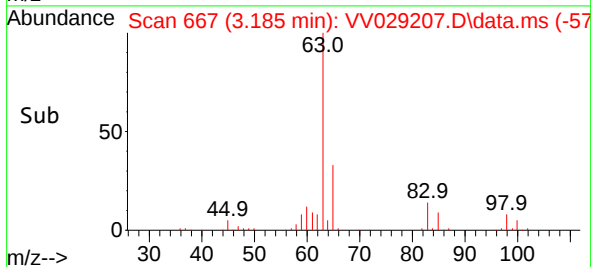
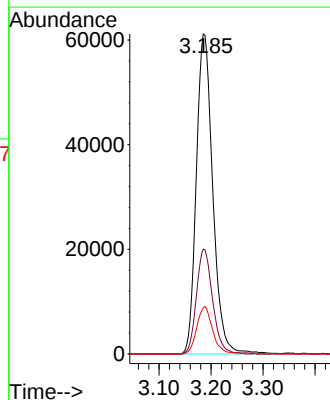
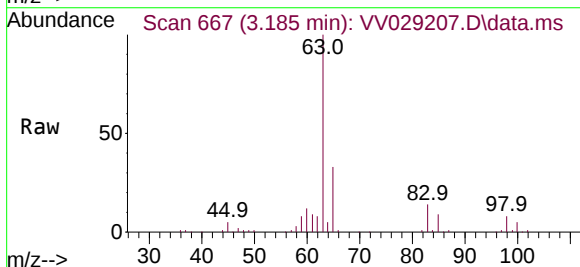
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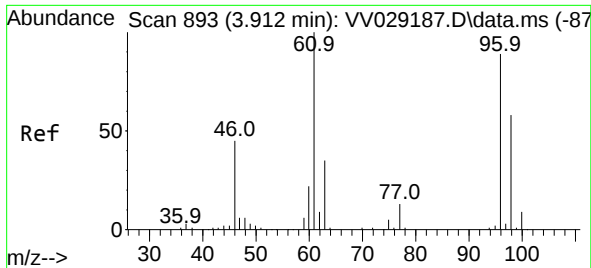
Tgt Ion: 96 Resp: 1432
Ion Ratio Lower Upper
96 100
61 152.4 91.8 170.6
98 63.3 46.4 86.2



#19
1,1-Dichloroethane
Concen: 3.815 ug/L
RT: 3.185 min Scan# 667
Delta R.T. -0.003 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

Tgt Ion: 63 Resp: 134492
Ion Ratio Lower Upper
63 100
65 32.8 23.0 42.6
83 14.3 9.4 17.6

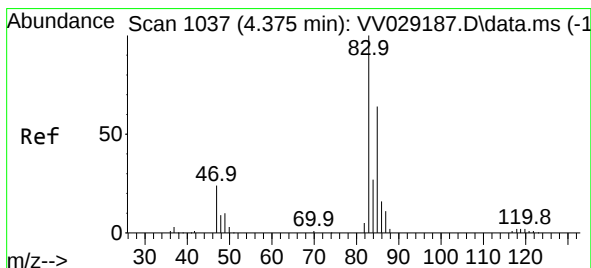
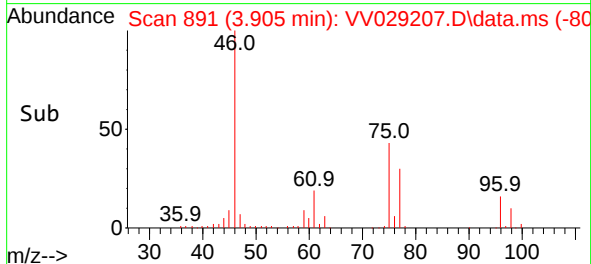
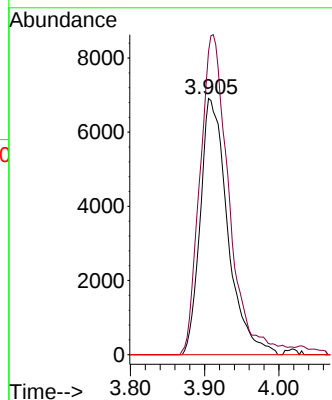
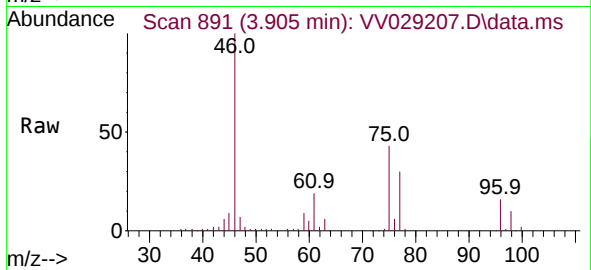




#22
 cis-1,2-Dichloroethene
 Concen: 0.808 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. -0.006 min
 Lab File: VV029207.D
 Acq: 20 Nov 2022 06:13

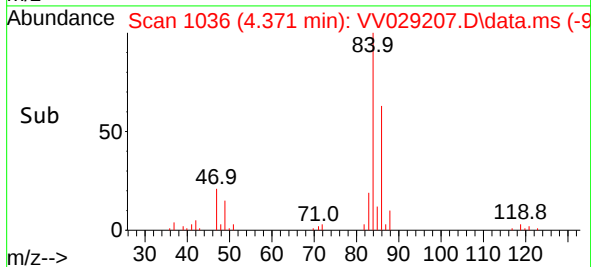
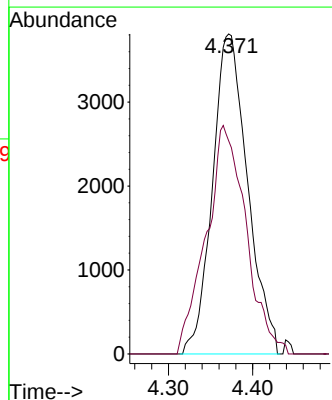
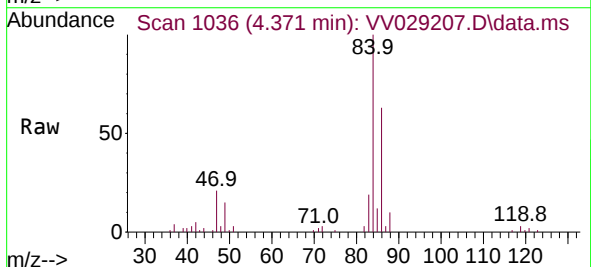
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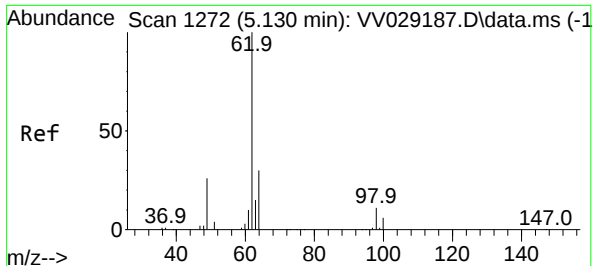
Tgt Ion: 96 Resp: 17722
 Ion Ratio Lower Upper
 96 100
 61 118.3 82.3 152.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.298 ug/L
 RT: 4.371 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VV029207.D
 Acq: 20 Nov 2022 06:13

Tgt Ion: 83 Resp: 11010
 Ion Ratio Lower Upper
 83 100
 85 66.6 43.7 81.1





#27

1,2-Dichloroethane

Concen: 0.163 ug/L

RT: 5.146 min Scan# 1109

Delta R.T. 0.016 min

Lab File: VV029207.D

Acq: 20 Nov 2022 06:13

Instrument :

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ClientSampleId :

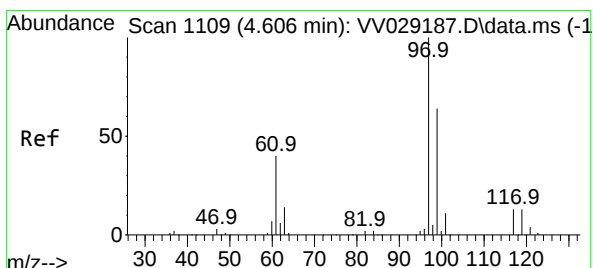
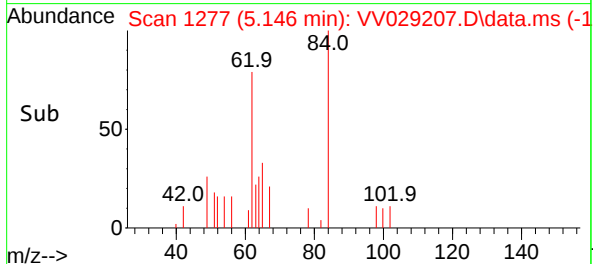
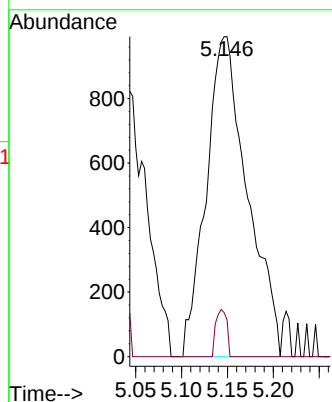
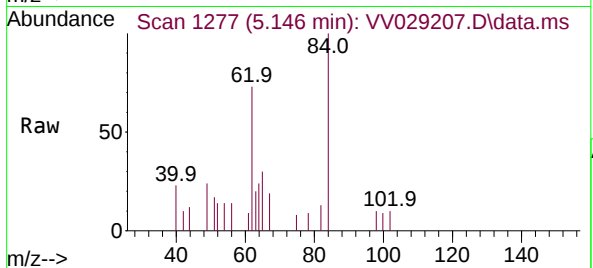
BH1K0

Tgt Ion: 62 Resp: 3100

Ion Ratio Lower Upper

62 100

98 13.7 9.0 13.6#



#29

1,1,1-Trichloroethane

Concen: 0.303 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VV029207.D

Acq: 20 Nov 2022 06:13

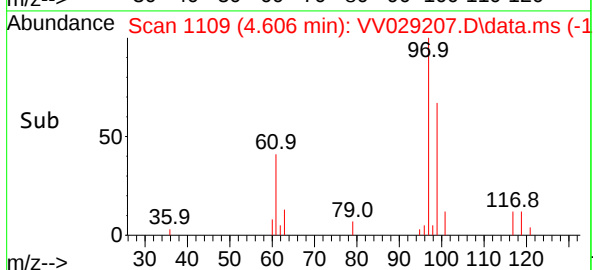
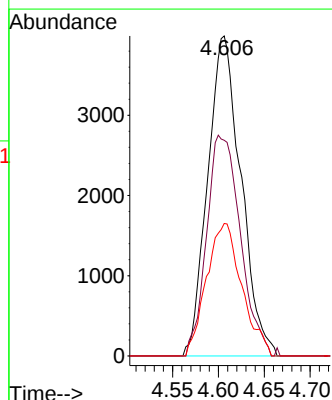
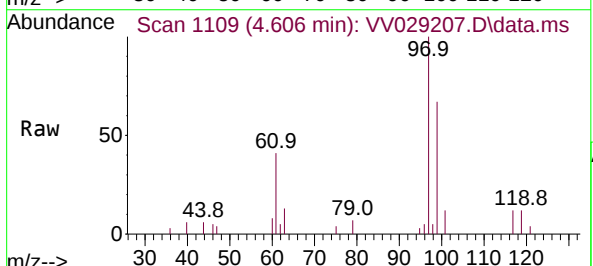
Tgt Ion: 97 Resp: 10056

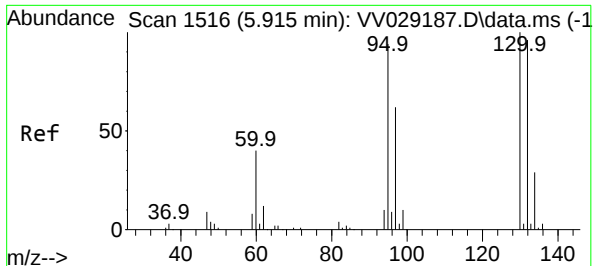
Ion Ratio Lower Upper

97 100

99 69.9 52.7 79.1

61 44.0 33.8 50.6



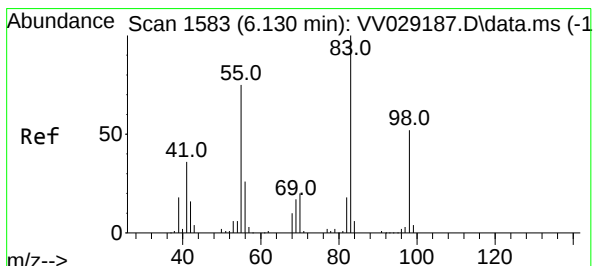
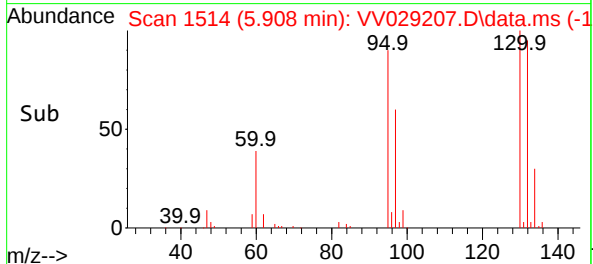
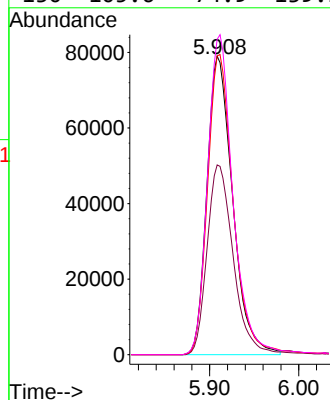
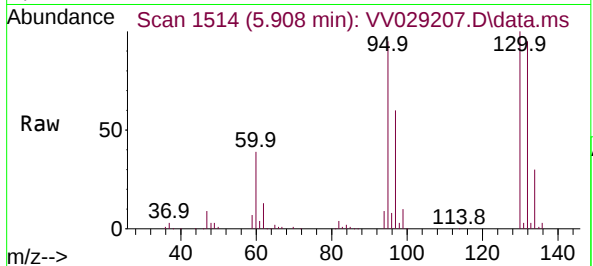


#34
Trichloroethene
Concen: 7.151 ug/L
RT: 5.908 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

Instrument :
MSVOA_V
ClientSampleId :
BH1K0

Tgt Ion: 95 Resp: 158200

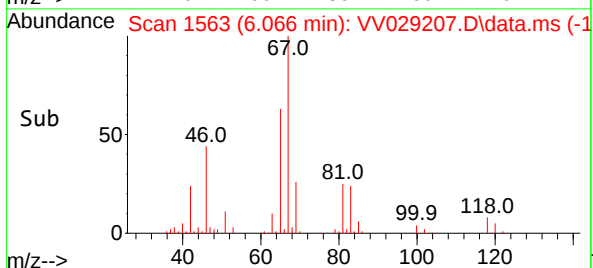
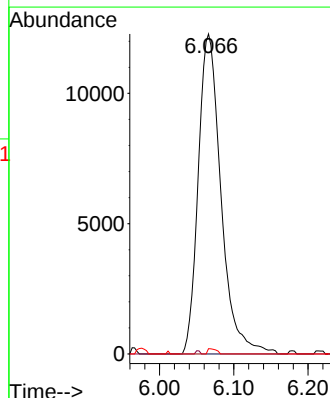
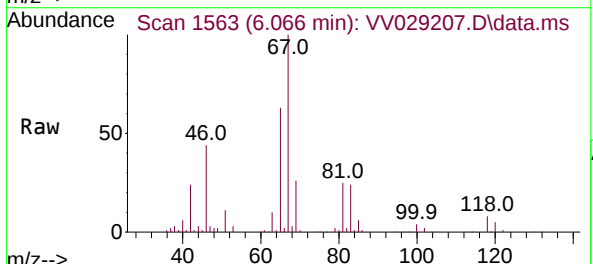
Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.6	84.8
132	100.0	69.1	128.3
130	105.6	74.9	139.1

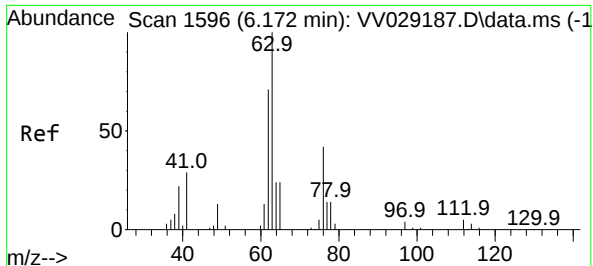


#35
Methylcyclohexane
Concen: 0.674 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.064 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

Tgt Ion: 83 Resp: 26192

Ion	Ratio	Lower	Upper
83	100		
55	0.2	55.8	83.6#
98	0.6	38.2	57.2#





#37

1,2-Dichloropropane

Concen: 0.560 ug/L

RT: 6.063 min Scan# 11

Delta R.T. -0.109 min

Lab File: VV029207.D

Acq: 20 Nov 2022 06:13

Instrument :

MSVOA_V

ClientSampleId :

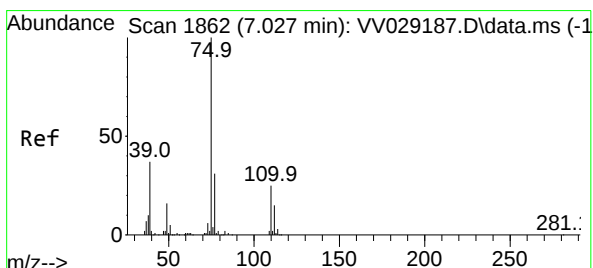
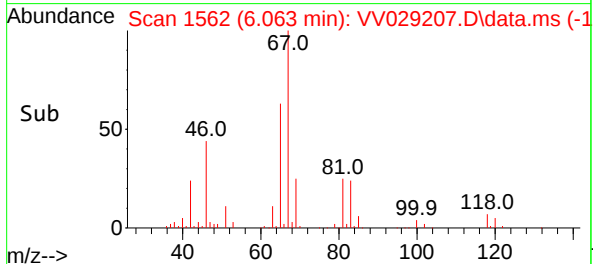
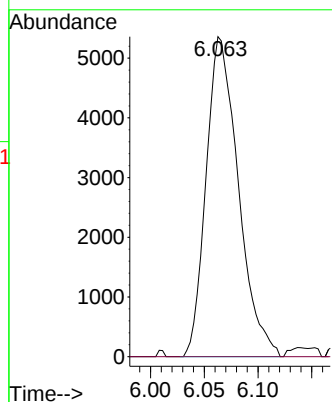
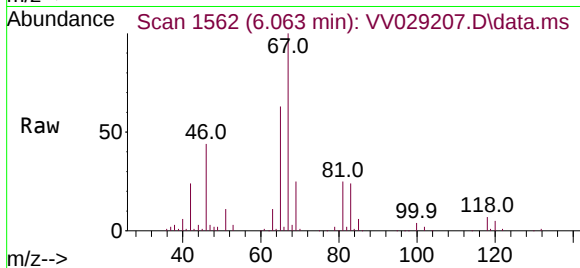
BH1K0

Tgt Ion: 63 Resp: 11167

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.038 min

Lab File: VV029207.D

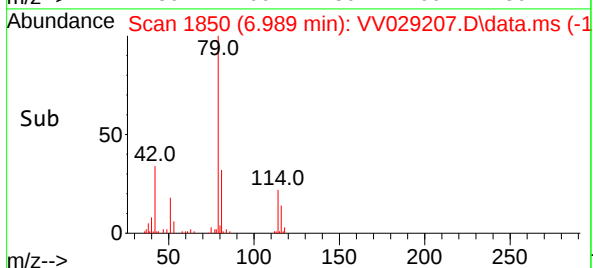
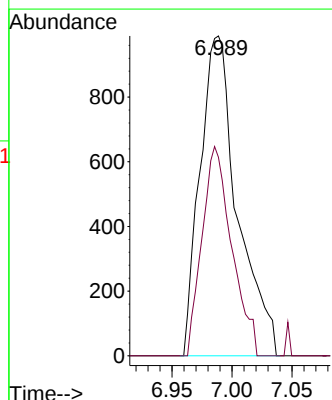
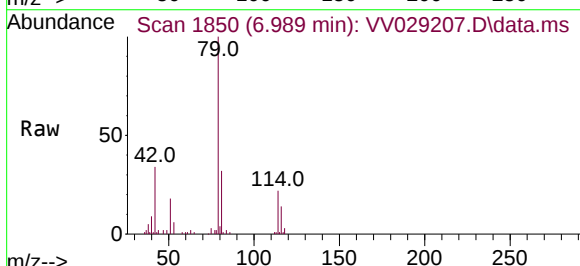
Acq: 20 Nov 2022 06:13

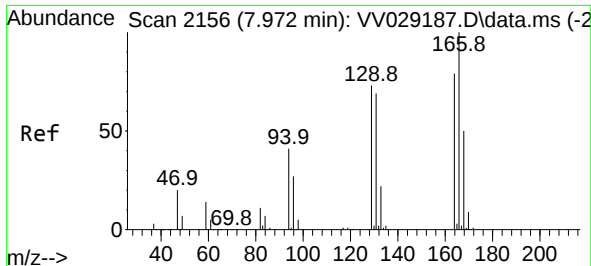
Tgt Ion: 75 Resp: 2147

Ion Ratio Lower Upper

75 100

77 62.1 21.8 40.6#

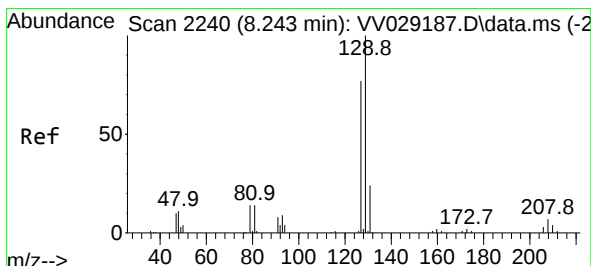
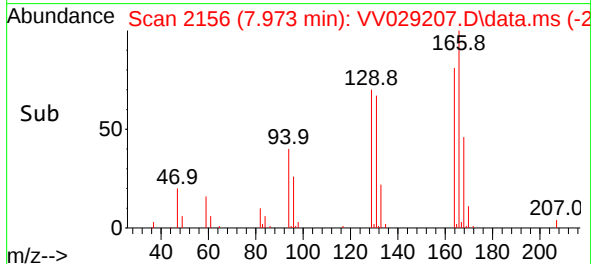
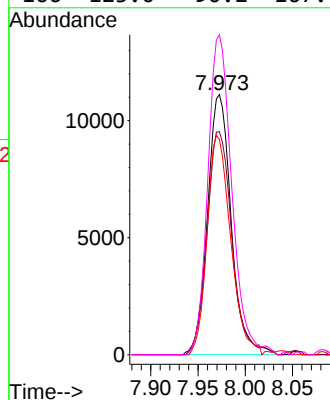
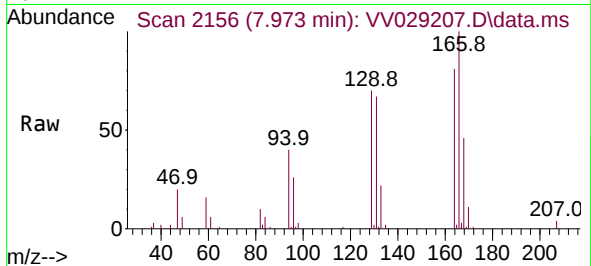




#47
Tetrachloroethene
Concen: 1.093 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.000 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

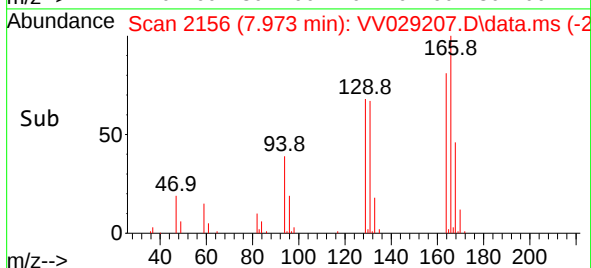
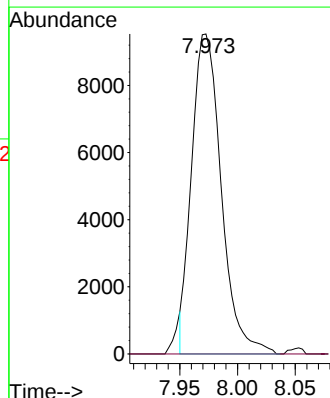
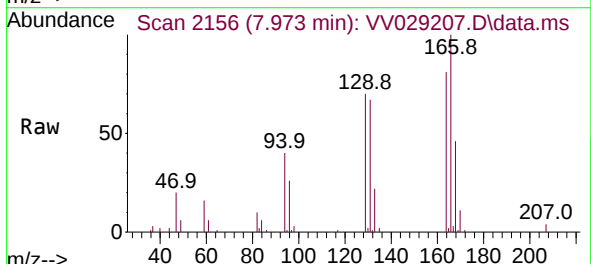
Instrument :
MSVOA_V
ClientSampleId :
BH1K0

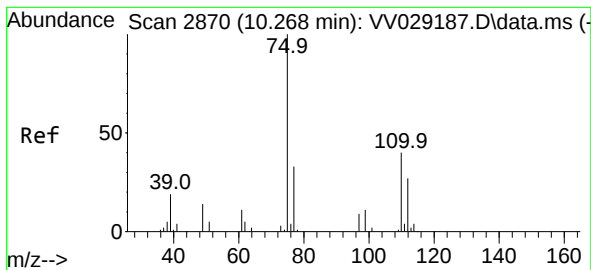
Tgt Ion:	164	Resp:	19369
Ion	Ratio	Lower	Upper
164	100		
129	85.7	63.9	118.7
131	82.7	61.8	114.8
166	123.0	90.2	167.4



#49
Dibromochloromethane
Concen: 1.078 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.270 min
Lab File: VV029207.D
Acq: 20 Nov 2022 06:13

Tgt Ion:	129	Resp:	17005
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.5	101.1#





#61

1,2,3-Trichloropropane

Concen: 1.557 ug/L

RT: 11.239 min Scan# 31

Delta R.T. 0.971 min

Lab File: VV029207.D

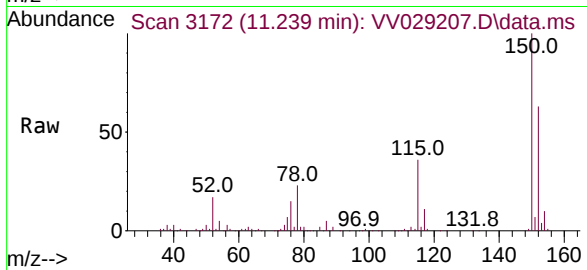
Acq: 20 Nov 2022 06:13

Instrument :

MSVOA_V

ClientSampleId :

BH1K0



Tgt Ion: 75 Resp: 13687

Ion Ratio Lower Upper

75 100

77 34.1 26.2 39.2

110 2.2 32.6 48.8#

