

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029240.D
 Acq On : 20 Nov 2022 22:08
 Operator : SY/MD
 Sample : N5652-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 03:55:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 03:37:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	305806	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	276282	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	122426	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	84738	4.545	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.568	69	74133	4.523	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.108	63	111619	3.285	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.800%
20) 2-Butanone-d5	3.899	46	181203	58.062	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.120%
24) Chloroform-d	4.342	84	170664	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.031	65	78053	4.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.047	84	341976	4.147	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	6.066	67	103053	4.475	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.310	98	290844	3.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	7.622	79	31886	4.245	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.088	63	147840	46.116	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.240%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	73502	4.604	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	11.616	152	106277	4.852	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	11180	0.439	ug/L	97
3) Chloromethane	1.240	50	1914	0.090	ug/L	98
6) Bromomethane	1.526	94	615	0.043	ug/L	89
8) Chloroethane	1.500	64	19575	1.380	ug/L #	51
12) 1,1-Dichloroethene	2.117	96	9127	0.493	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	6911	0.174	ug/L	97
18) trans-1,2-Dichloroethene	2.764	96	3096	0.144	ug/L	97
19) 1,1-Dichloroethane	3.188	63	3214	0.092	ug/L	89
22) cis-1,2-Dichloroethene	3.908	96	94733	4.340	ug/L	96
25) Chloroform	4.375	83	12837	0.349	ug/L	89
27) 1,2-Dichloroethane	5.156	62	1938	0.102	ug/L #	70
29) 1,1,1-Trichloroethane	4.603	97	2289	0.071	ug/L #	37
31) Carbon tetrachloride	4.828	117	1168	0.042	ug/L #	70
34) Trichloroethene	5.908	95	5271644	243.898	ug/L	98
35) Methylcyclohexane	6.066	83	26372	0.694	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	10870	0.558	ug/L #	85
38) Bromodichloromethane	6.522	83	845	0.034	ug/L #	88
39) cis-1,3-Dichloropropene	6.985	75	2142	0.079	ug/L #	50
47) Tetrachloroethene	7.969	164	148510	8.581	ug/L	99

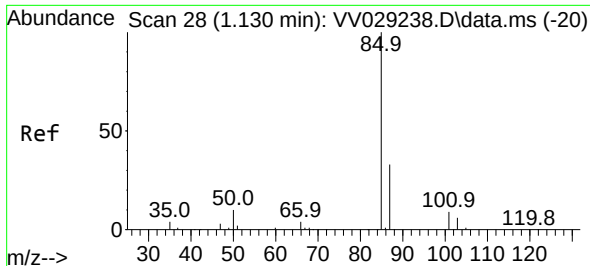
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112022\
Data File : VV029240.D
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 03:37:08 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.969	129	130257	8.453	ug/L #	10
61) 1,2,3-Trichloropropane	11.243	75	13300	1.590	ug/L #	64

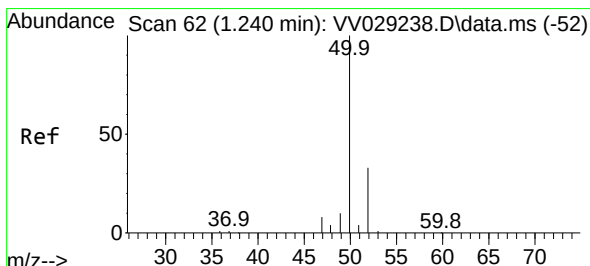
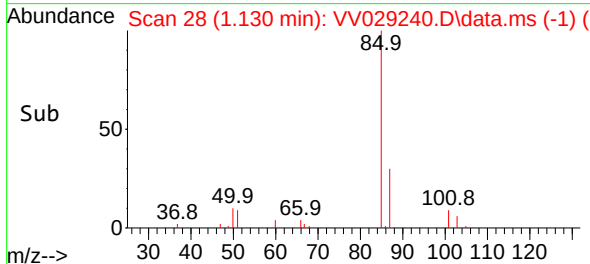
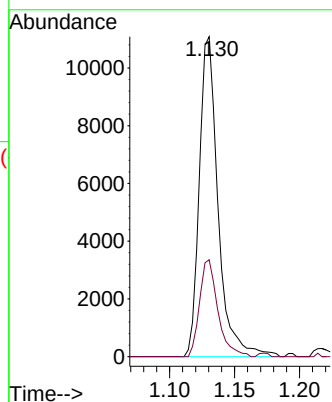
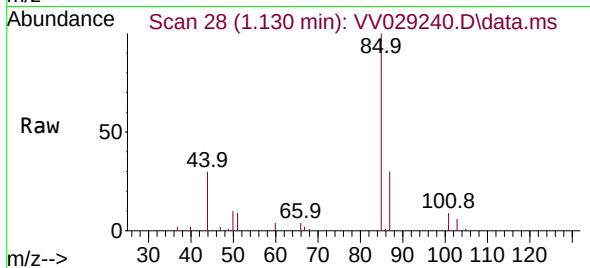
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.439 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV029240.D
 Acq: 20 Nov 2022 22:08

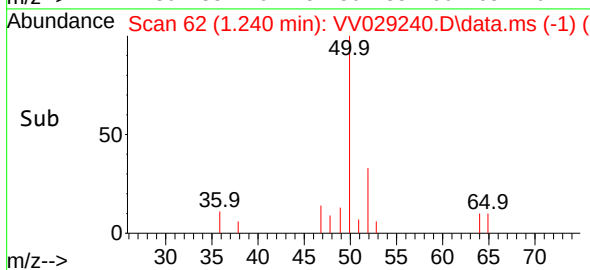
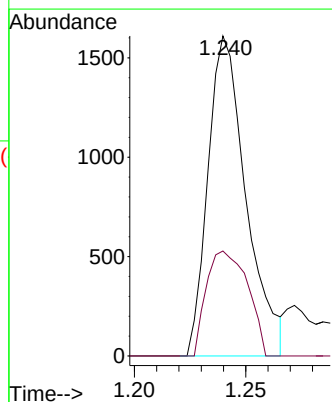
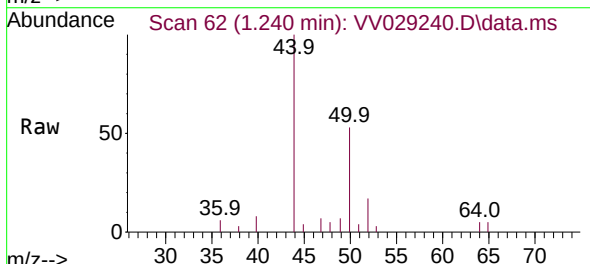
Instrument :
 MSVOA_V
 ClientSampleId :

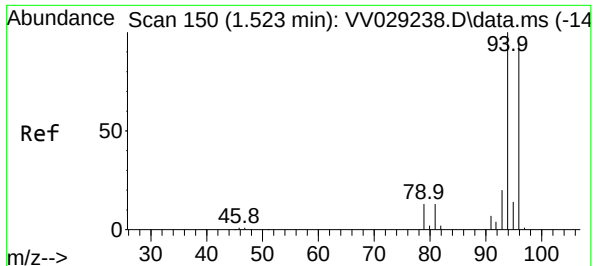
Tgt Ion: 85 Resp: 11180
 Ion Ratio Lower Upper
 85 100
 87 29.5 25.0 37.4



#3
 Chloromethane
 Concen: 0.090 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029240.D
 Acq: 20 Nov 2022 22:08

Tgt Ion: 50 Resp: 1914
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.7 43.9

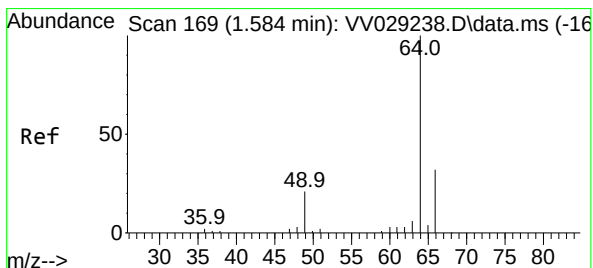
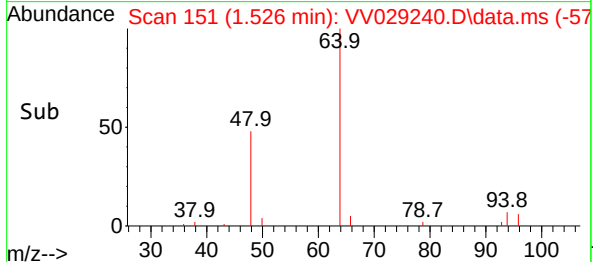
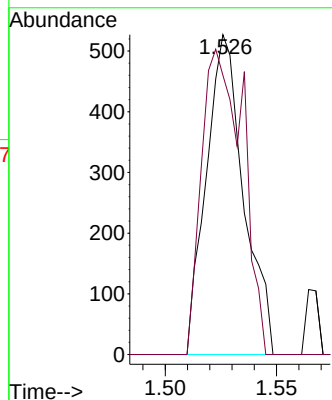
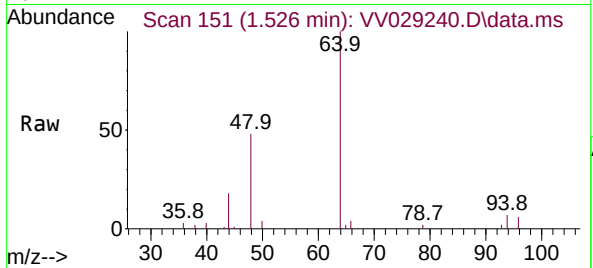




#6
Bromomethane
Concen: 0.043 ug/L
RT: 1.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

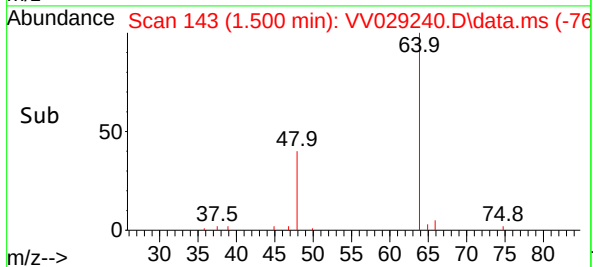
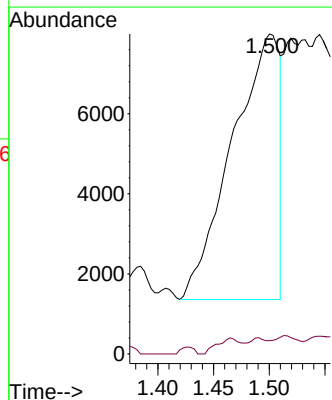
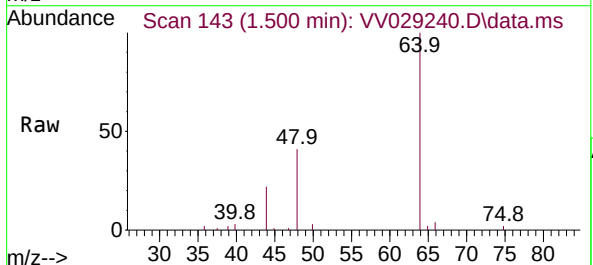
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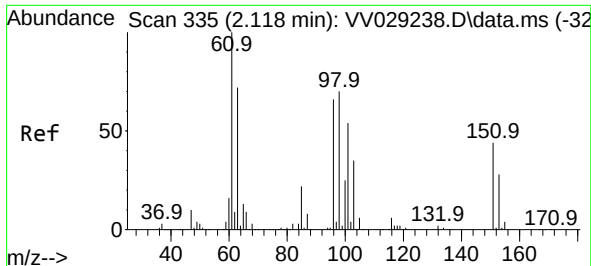
Tgt Ion: 94 Resp: 615
Ion Ratio Lower Upper
94 100
96 87.3 68.5 127.3



#8
Chloroethane
Concen: 1.380 ug/L
RT: 1.500 min Scan# 143
Delta R.T. -0.084 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 64 Resp: 19575
Ion Ratio Lower Upper
64 100
66 4.2 22.0 40.8#

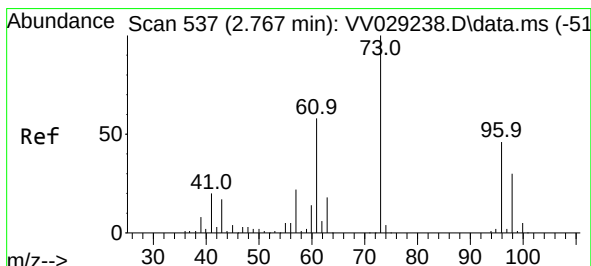
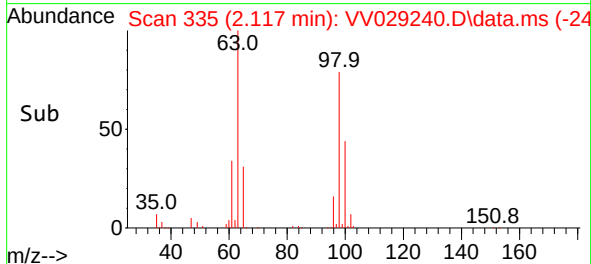
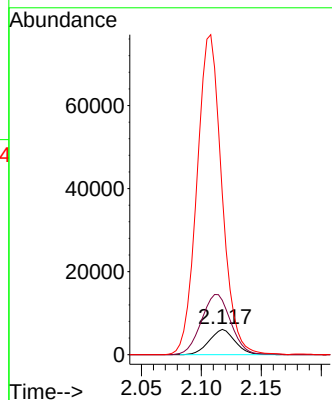
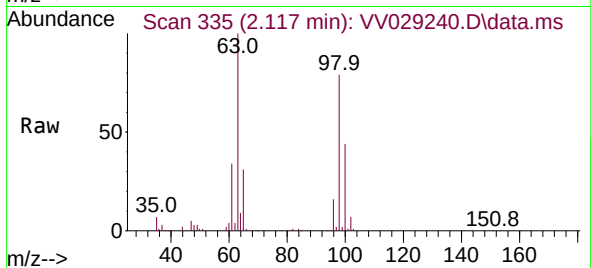




#12
1,1-Dichloroethene
Concen: 0.493 ug/L
RT: 2.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

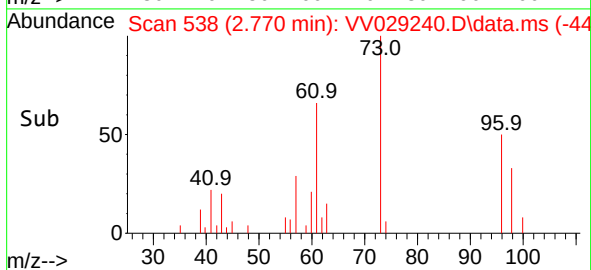
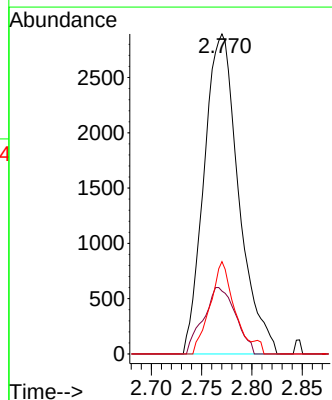
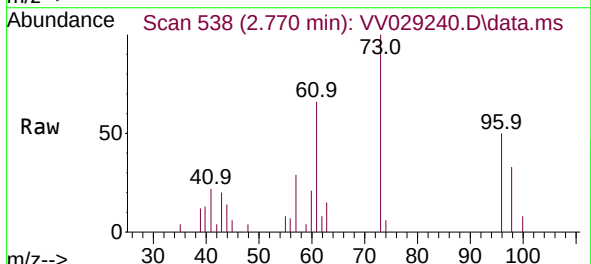
Instrument :
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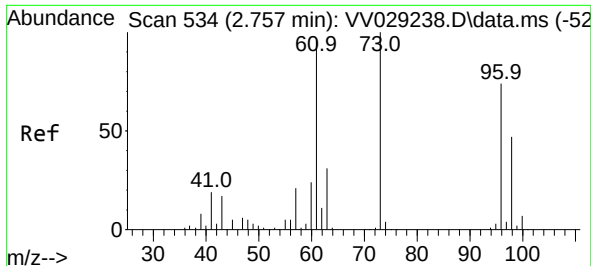
Tgt Ion: 96 Resp: 9127
Ion Ratio Lower Upper
96 100
61 215.2 104.2 193.4#
63 635.9 75.9 140.9#



#17
Methyl tert-butyl Ether
Concen: 0.174 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

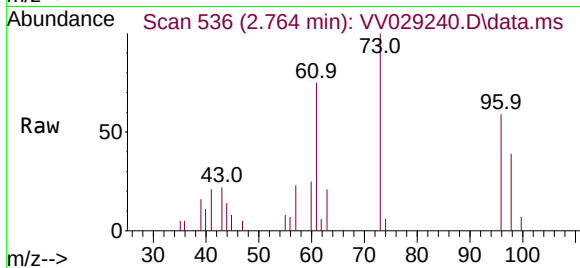
Tgt Ion: 73 Resp: 6911
Ion Ratio Lower Upper
73 100
43 19.3 13.0 19.4
57 21.0 16.6 24.8



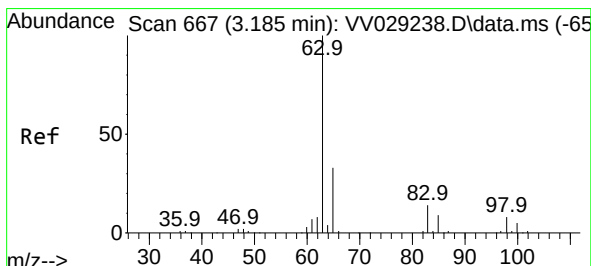
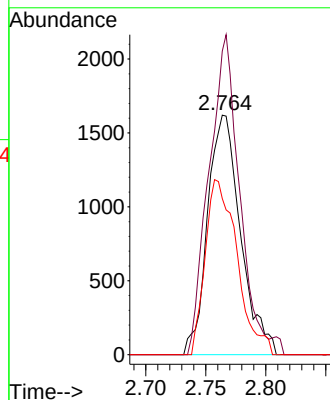
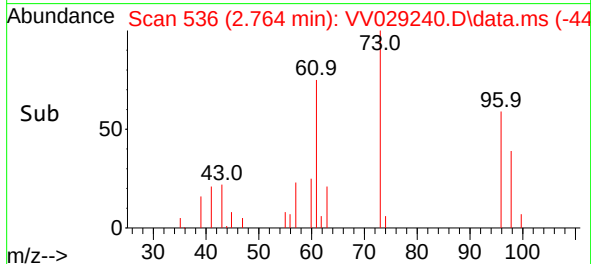


#18
trans-1,2-Dichloroethene
Concen: 0.144 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

Instrument :
MSVOA_V
ClientSampleId :

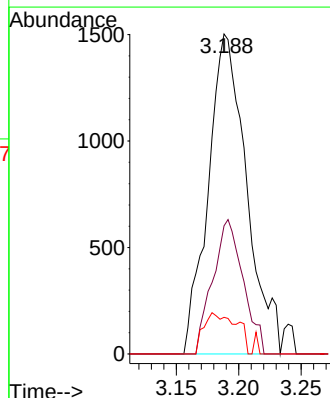
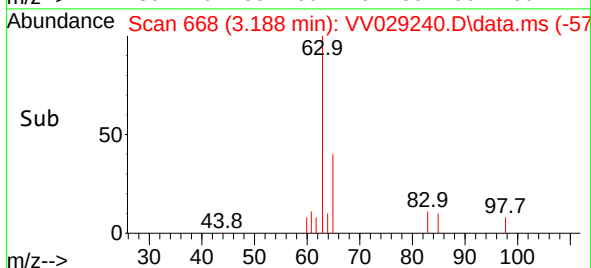
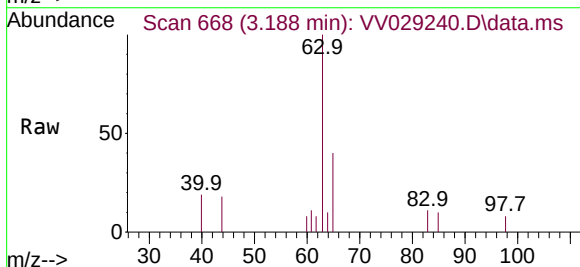


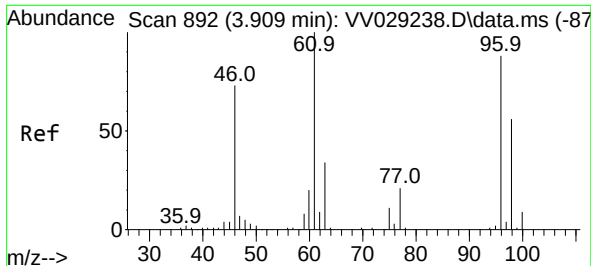
Tgt Ion:	96	Resp:	3096
Ion	Ratio	Lower	Upper
96	100		
61	126.7	91.8	170.6
98	65.2	46.4	86.2



#19
1,1-Dichloroethane
Concen: 0.092 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.003 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

Tgt Ion:	63	Resp:	3214
Ion	Ratio	Lower	Upper
63	100		
65	40.1	23.0	42.6
83	11.4	9.4	17.6





#22

cis-1,2-Dichloroethene

Concen: 4.340 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.000 min

Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_V

ClientSampleId :

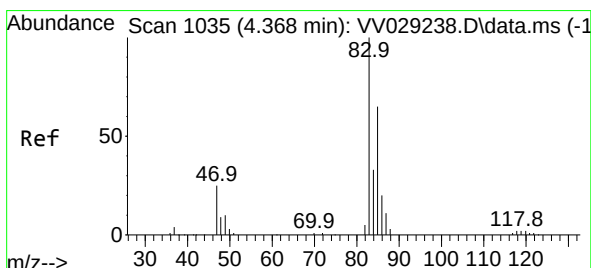
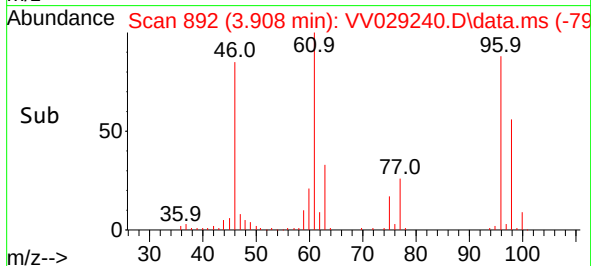
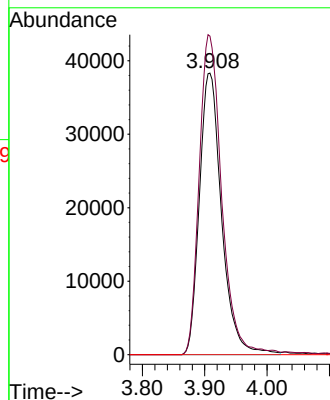
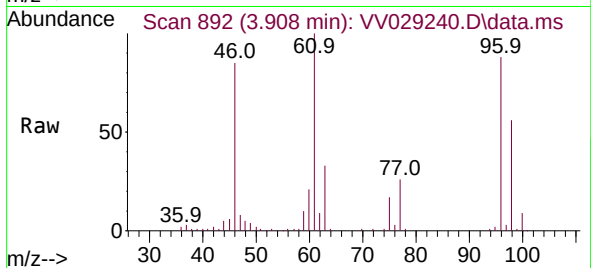
Tgt Ion: 96 Resp: 94733

Ion Ratio Lower Upper

96 100

61 113.2 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.349 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VV029240.D

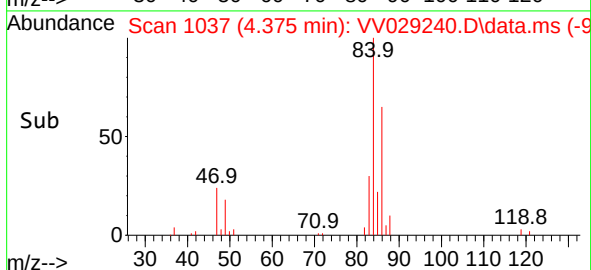
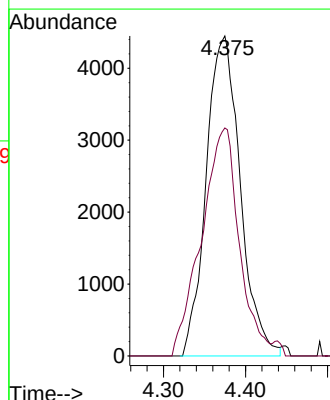
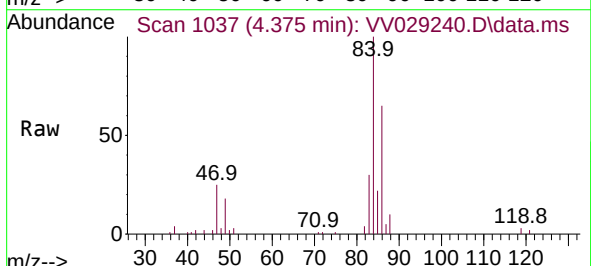
Acq: 20 Nov 2022 22:08

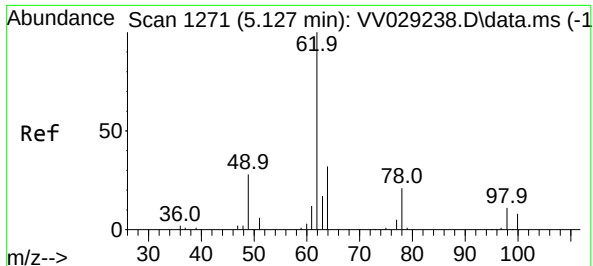
Tgt Ion: 83 Resp: 12837

Ion Ratio Lower Upper

83 100

85 71.3 43.7 81.1





#27

1,2-Dichloroethane

Concen: 0.102 ug/L

RT: 5.156 min Scan# 11

Delta R.T. 0.029 min

Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_V

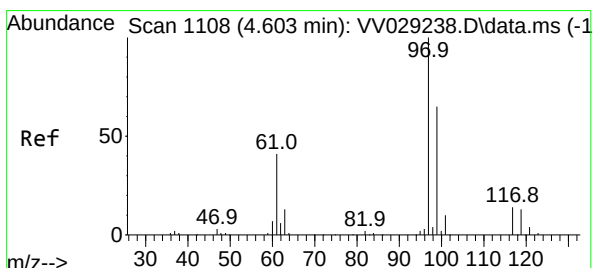
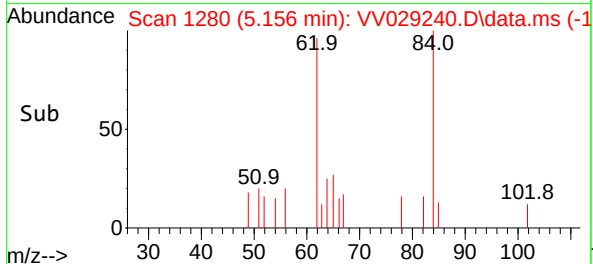
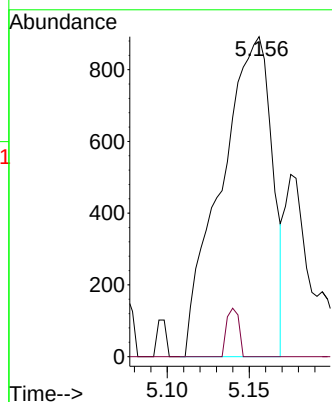
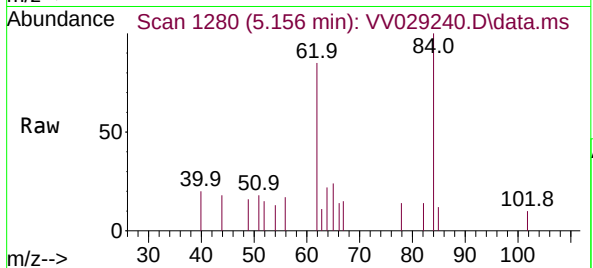
ClientSampleId :

Tgt Ion: 62 Resp: 1938

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.6#



#29

1,1,1-Trichloroethane

Concen: 0.071 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

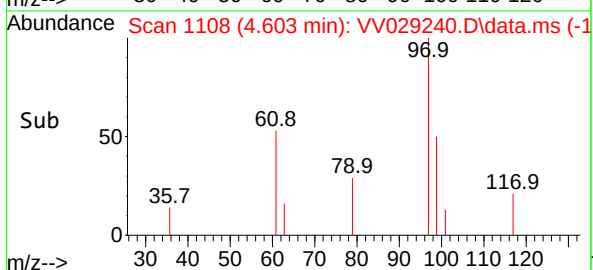
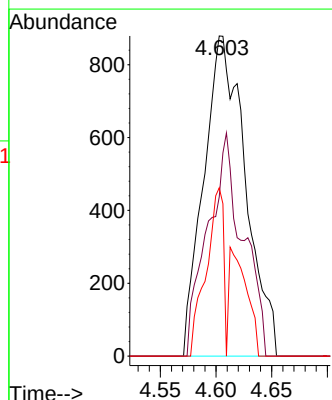
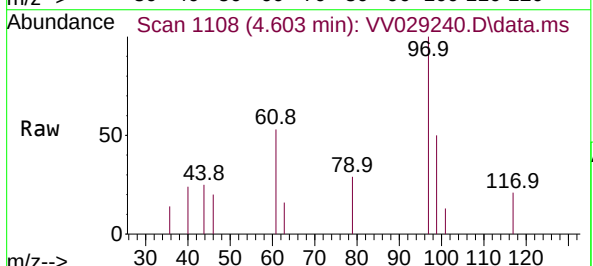
Tgt Ion: 97 Resp: 2289

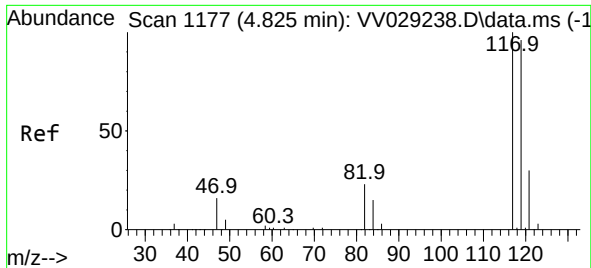
Ion Ratio Lower Upper

97 100

99 0.0 52.7 79.1#

61 21.8 33.8 50.6#

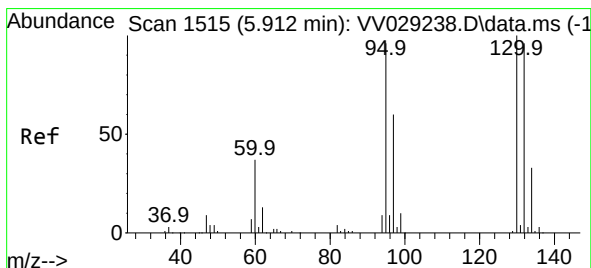
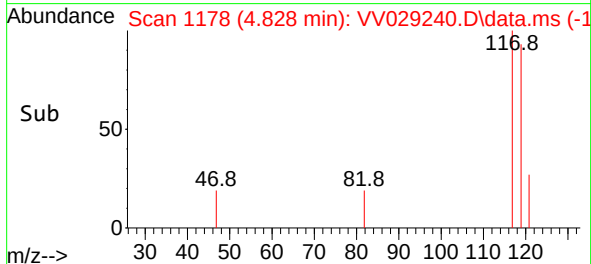
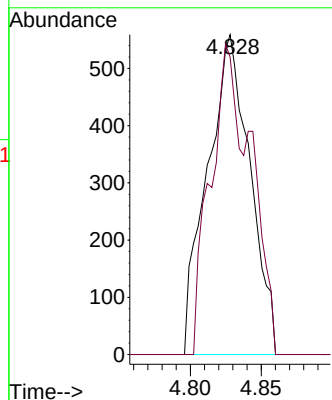
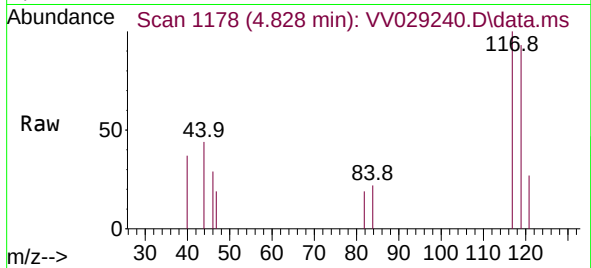




#31
Carbon tetrachloride
Concen: 0.042 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

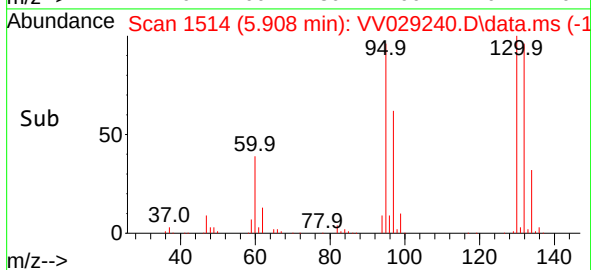
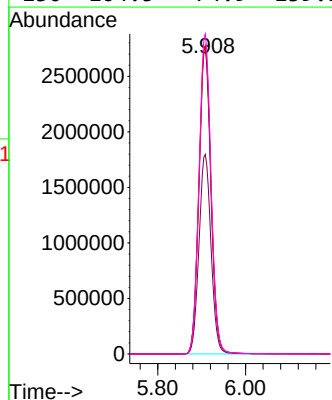
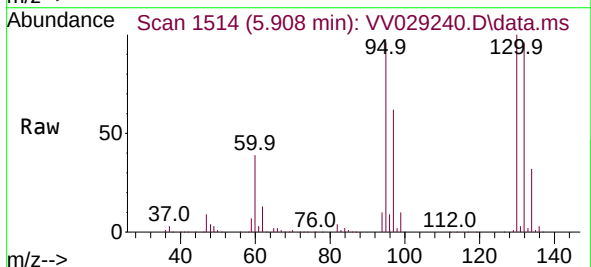
Instrument :
MSVOA_V
ClientSampleId :

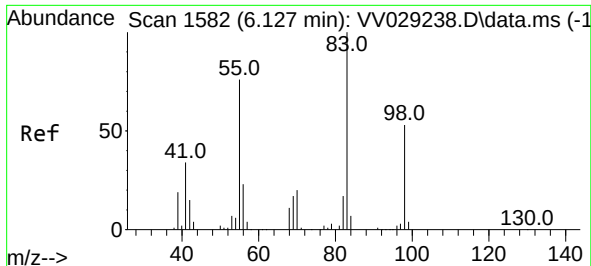
Tgt Ion:117 Resp: 1168
Ion Ratio Lower Upper
117 100
119 66.7 77.0 115.6#



#34
Trichloroethene
Concen: 243.898 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 95 Resp: 5271644
Ion Ratio Lower Upper
95 100
97 65.1 45.6 84.8
132 100.7 69.1 128.3
130 104.5 74.9 139.1

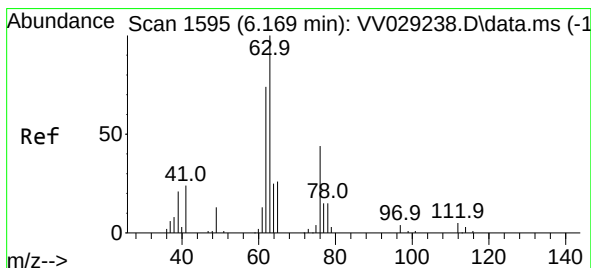
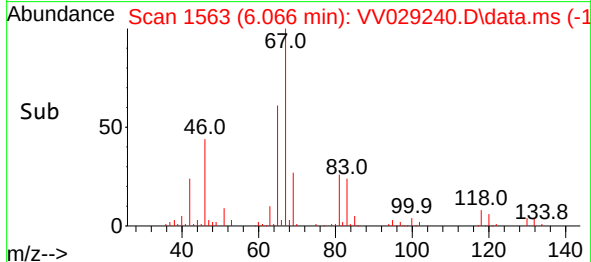
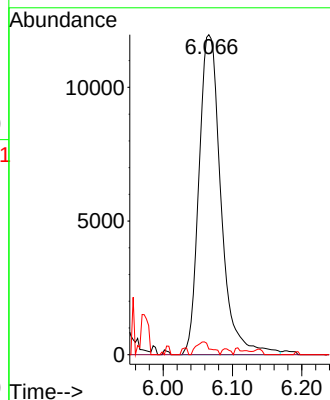
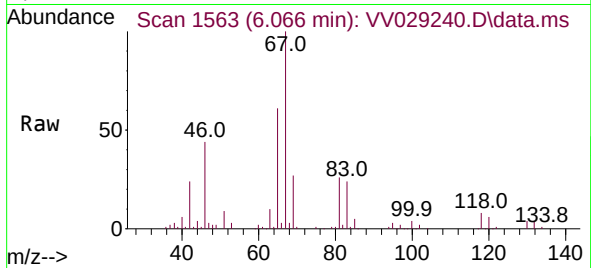




#35
Methylcyclohexane
Concen: 0.694 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

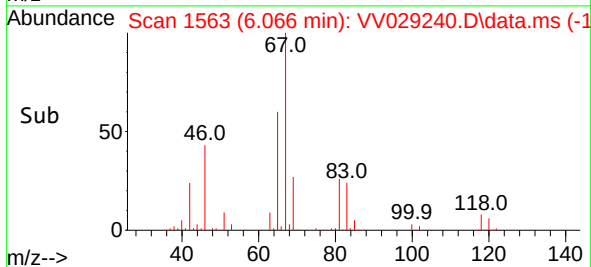
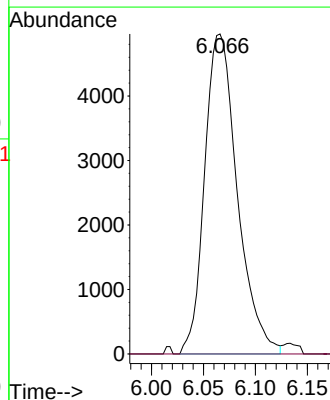
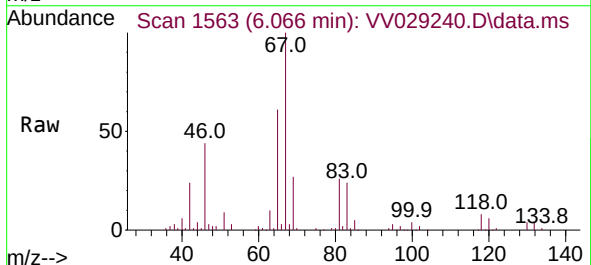
Instrument :
MSVOA_V
ClientSampleId :

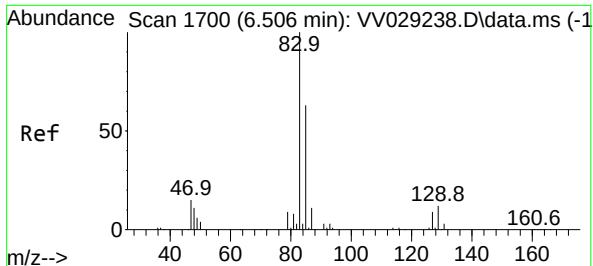
Tgt Ion: 83 Resp: 26372
Ion Ratio Lower Upper
83 100
55 0.0 55.8 83.6#
98 0.0 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.558 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.103 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 63 Resp: 10870
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#

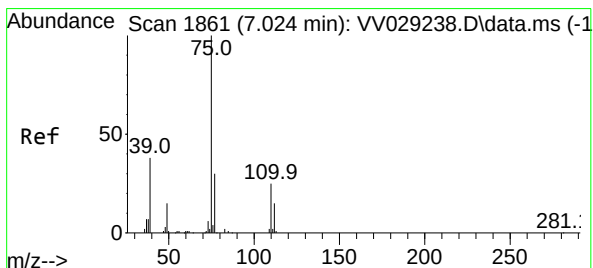
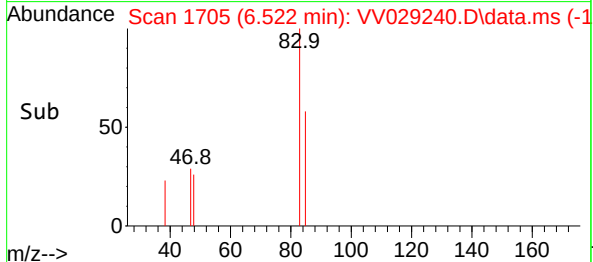
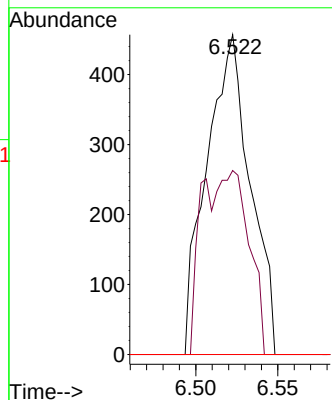
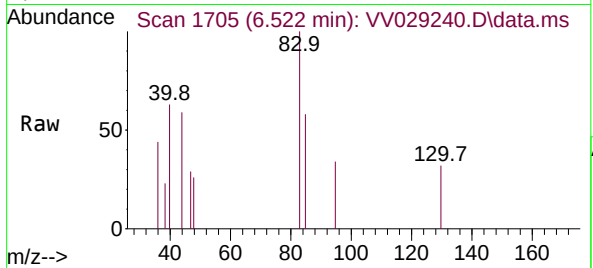




#38
Bromodichloromethane
Concen: 0.034 ug/L
RT: 6.522 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

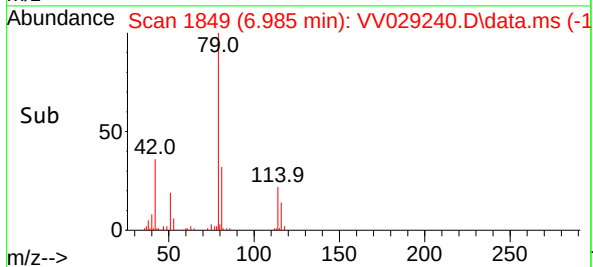
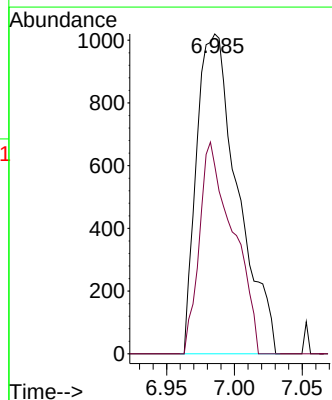
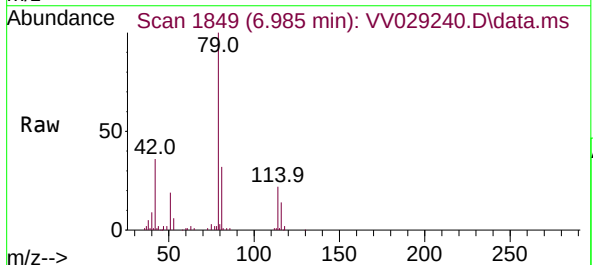
Instrument :
MSVOA_V
ClientSampleId :

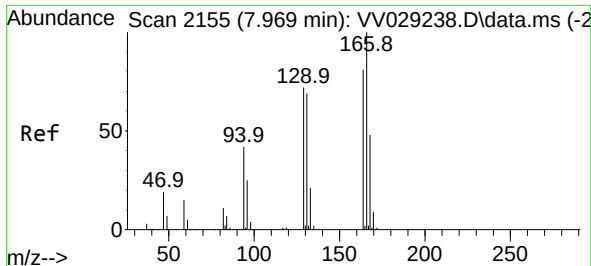
Tgt Ion: 83 Resp: 845
Ion Ratio Lower Upper
83 100
85 57.5 46.1 85.5
127 0.0 6.7 10.1#



#39
cis-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 6.985 min Scan# 1849
Delta R.T. -0.039 min
Lab File: VV029240.D
Acq: 20 Nov 2022 22:08

Tgt Ion: 75 Resp: 2142
Ion Ratio Lower Upper
75 100
77 58.8 21.8 40.6#





#47

Tetrachloroethene

Concen: 8.581 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.000 min

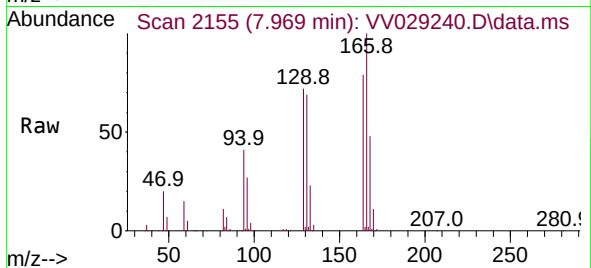
Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 148510

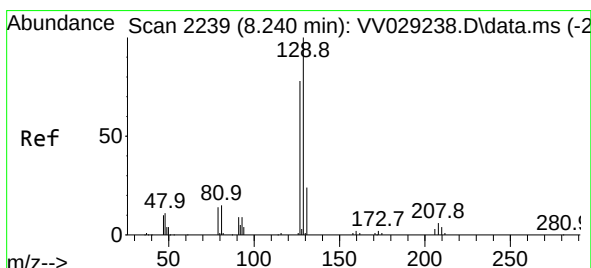
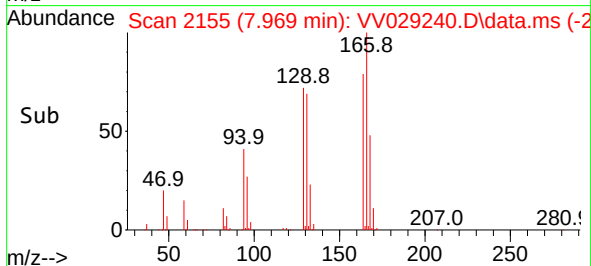
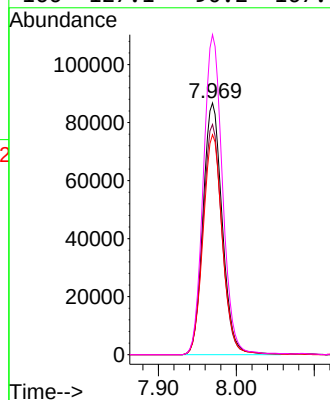
Ion Ratio Lower Upper

164 100

129 91.4 63.9 118.7

131 87.4 61.8 114.8

166 127.1 90.2 167.4



#49

Dibromochloromethane

Concen: 8.453 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV029240.D

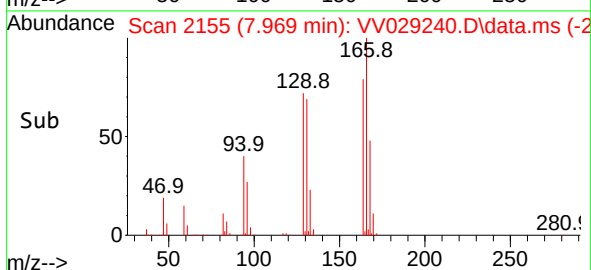
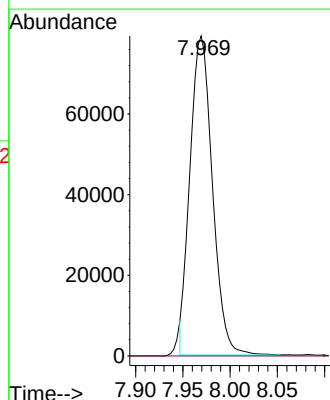
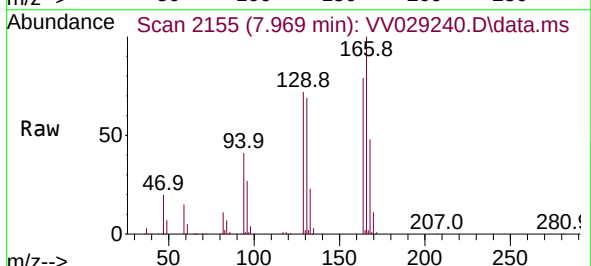
Acq: 20 Nov 2022 22:08

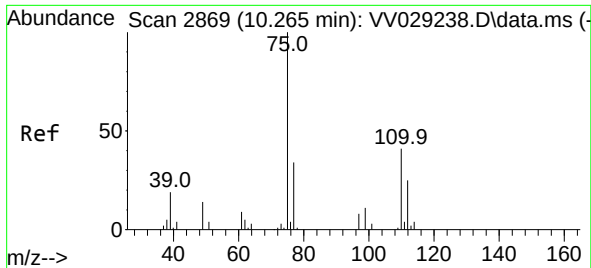
Tgt Ion:129 Resp: 130257

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#





#61

1,2,3-Trichloropropane

Concen: 1.590 ug/L

RT: 11.243 min Scan# 31

Delta R.T. 0.977 min

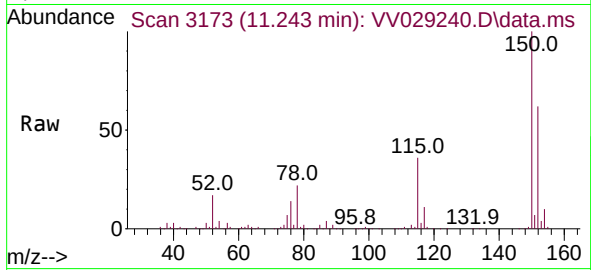
Lab File: VV029240.D

Acq: 20 Nov 2022 22:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 13300

Ion Ratio Lower Upper

75 100

77 29.9 26.2 39.2

110 3.2 32.6 48.8#

