

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VW029311.D
 Acq On : 23 Nov 2022 22:17
 Operator : SY/MD
 Sample : N5651-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 24 01:52:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 01:40:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	290717	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	257836	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	126361	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	89481	5.002	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 100.000%	
7) Chloroethane-d5	1.565	69	67307	5.139	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 102.800%	
11) 1,1-Dichloroethene-d2	2.105	63	106659	3.725	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 74.600%	
20) 2-Butanone-d5	3.905	46	154804	51.724	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 103.440%	
24) Chloroform-d	4.339	84	155272	4.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 97.200%	
26) 1,2-Dichloroethane-d4	5.027	65	72513	5.161	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 103.200%	
32) Benzene-d6	5.043	84	347539	4.877	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 97.600%	
36) 1,2-Dichloropropane-d6	6.063	67	100975	5.043	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 100.800%	
41) Toluene-d8	7.310	98	323090	4.804	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 96.000%	
43) trans-1,3-Dichloroprop...	7.616	79	36915	4.782	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 95.600%	
46) 2-Hexanone-d5	8.085	63	136074	49.448	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 98.900%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	63192	5.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 102.200%	
66) 1,2-Dichlorobenzene-d4	11.612	152	114168	5.172	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 103.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	5418	0.250	ug/L	98
3) Chloromethane	1.240	50	1889	0.095	ug/L #	77
8) Chloroethane	1.307	64	1042	0.089	ug/L #	1
12) 1,1-Dichloroethene	2.108	96	1747	0.117	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	14219	0.372	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	18007	0.918	ug/L	97
25) Chloroform	4.368	83	5048	0.157	ug/L	91
27) 1,2-Dichloroethane	5.140	62	1511	0.087	ug/L #	73
29) 1,1,1-Trichloroethane	4.603	97	914	0.031	ug/L #	75
34) Trichloroethene	5.905	95	240786	12.240	ug/L	97
35) Methylcyclohexane	6.063	83	23477	0.707	ug/L #	22
37) 1,2-Dichloropropane	6.063	63	11079	0.610	ug/L #	85
39) cis-1,3-Dichloropropene	6.979	75	2757	0.104	ug/L #	62
44) trans-1,3-Dichloropropene	7.616	75	1565	0.074	ug/L #	60
47) Tetrachloroethene	7.966	164	317774	19.706	ug/L	98
49) Dibromochloromethane	7.966	129	276317	19.973	ug/L #	11
61) 1,2,3-Trichloropropane	11.239	75	14660	1.673	ug/L #	64

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112322\
Data File : VV029311.D
Acq On : 23 Nov 2022 22:17
Operator : SY/MD
Sample : N5651-14
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

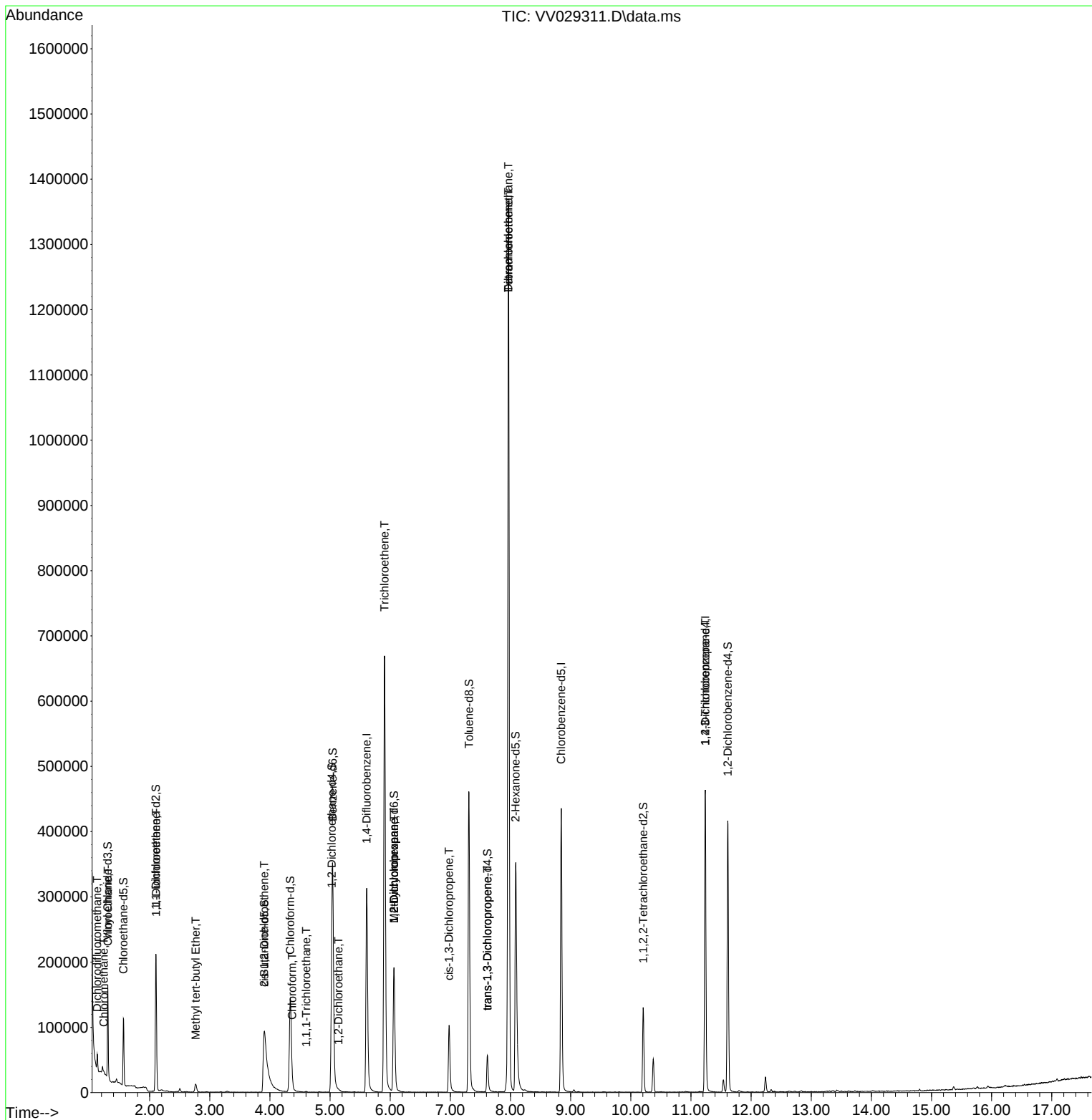
Instrument :
MSVOA_V
ClientSampleId :

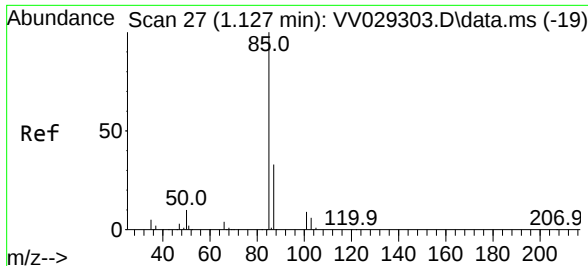
Quant Time: Nov 24 01:52:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 24 01:40:30 2022
Response via : Initial Calibration

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

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

Quant Time: Nov 24 01:52:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 24 01:40:30 2022
Response via : Initial Calibration

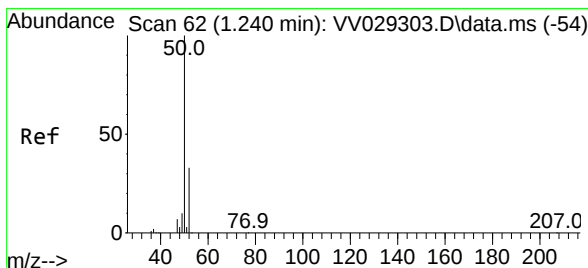
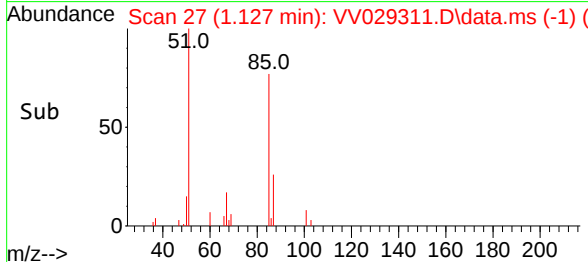
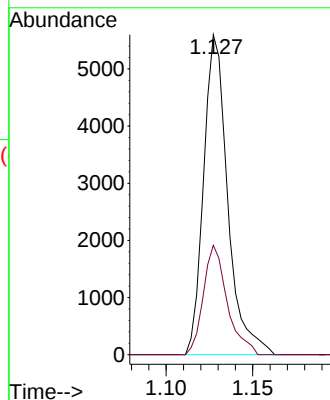
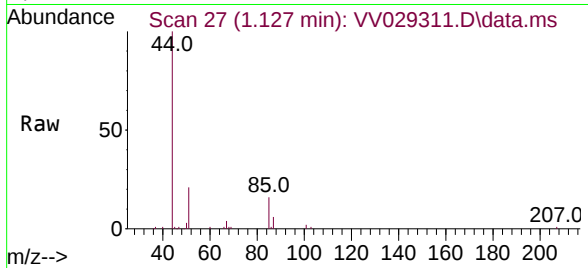




#2
 Dichlorodifluoromethane
 Concen: 0.250 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029311.D
 Acq: 23 Nov 2022 22:17

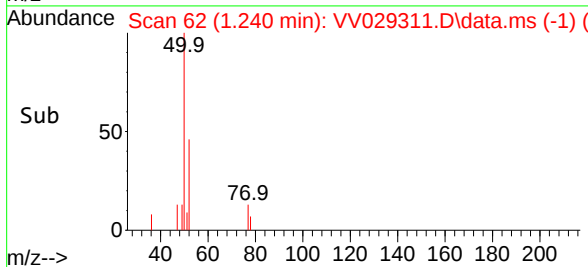
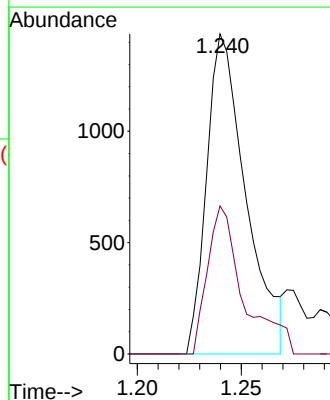
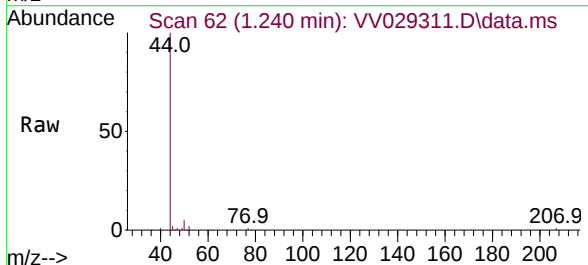
Instrument :
 MSVOA_V
 ClientSampleId :

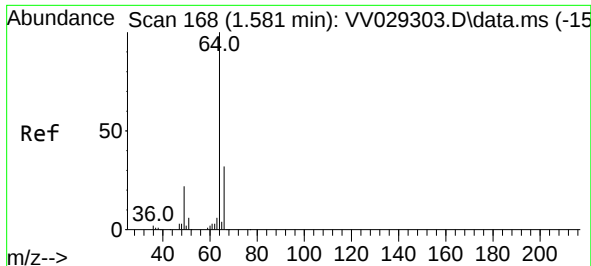
Tgt Ion: 85 Resp: 5418
 Ion Ratio Lower Upper
 85 100
 87 33.8 26.2 39.4



#3
 Chloromethane
 Concen: 0.095 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029311.D
 Acq: 23 Nov 2022 22:17

Tgt Ion: 50 Resp: 1889
 Ion Ratio Lower Upper
 50 100
 52 46.3 23.2 43.2#

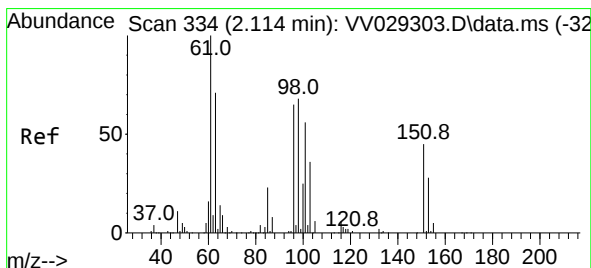
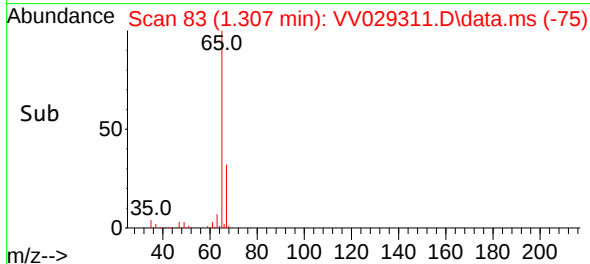
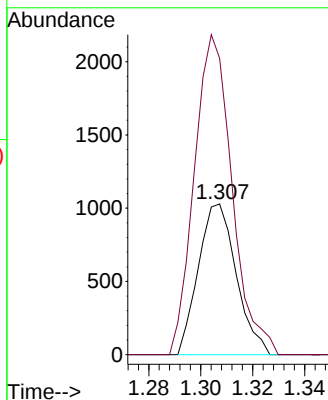
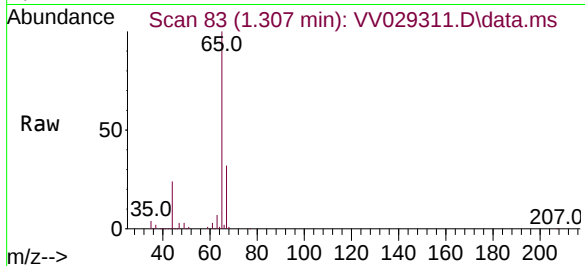




#8
Chloroethane
Concen: 0.089 ug/L
RT: 1.307 min Scan# 81
Delta R.T. -0.273 min
Lab File: VV029311.D
Acq: 23 Nov 2022 22:17

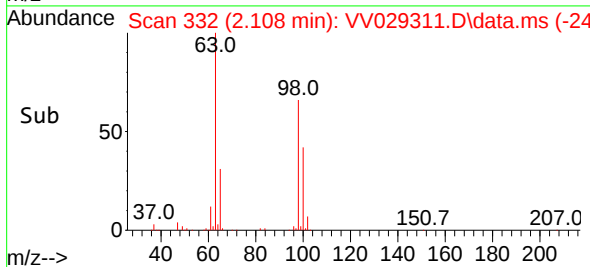
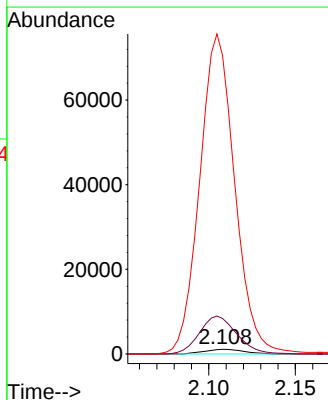
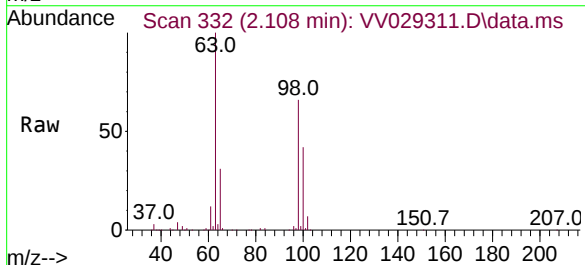
Instrument :
MSVOA_V
ClientSampleId :

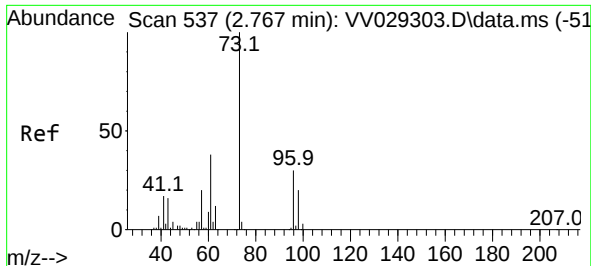
Tgt Ion: 64 Resp: 1042
Ion Ratio Lower Upper
64 100
66 196.6 23.5 43.7#



#12
1,1-Dichloroethene
Concen: 0.117 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.006 min
Lab File: VV029311.D
Acq: 23 Nov 2022 22:17

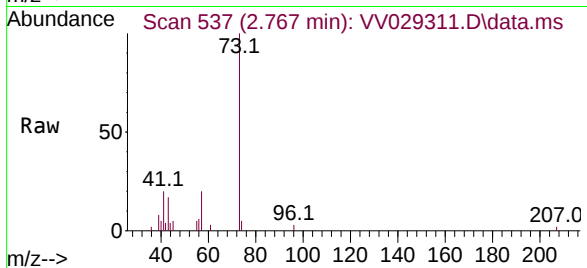
Tgt Ion: 96 Resp: 1747
Ion Ratio Lower Upper
96 100
61 762.8 110.3 204.9#
63 6406.5 84.4 156.8#



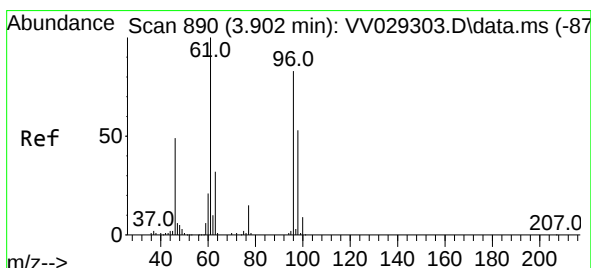
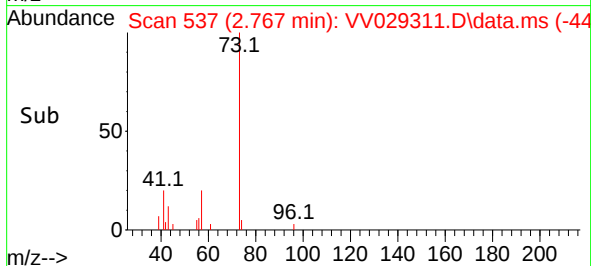
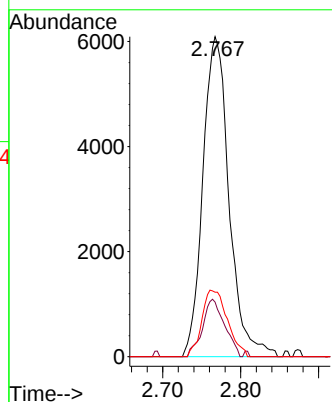


#17
Methyl tert-butyl Ether
Concen: 0.372 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029311.D
Acq: 23 Nov 2022 22:17

Instrument :
MSVOA_V
ClientSampleId :

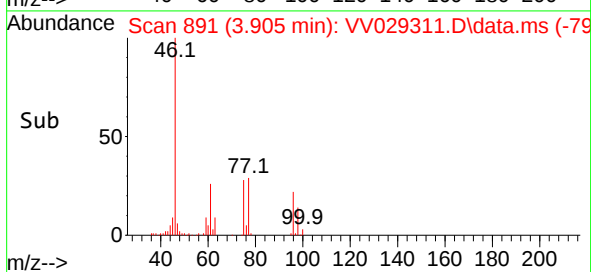
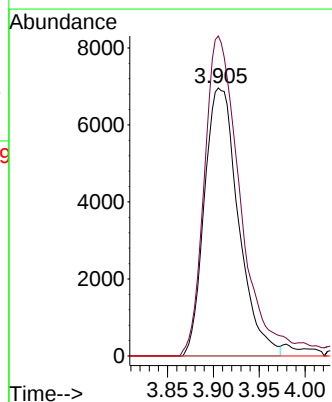
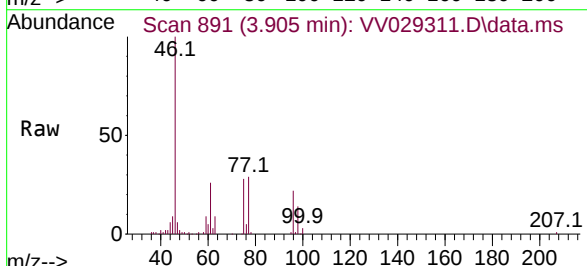


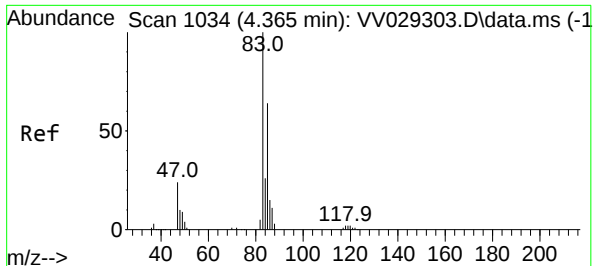
Tgt Ion: 73	Resp: 14219
Ion Ratio	Lower Upper
73	100
43	15.1 13.2 19.8
57	20.2 16.9 25.3



#22
cis-1,2-Dichloroethene
Concen: 0.918 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV029311.D
Acq: 23 Nov 2022 22:17

Tgt Ion: 96	Resp: 18007
Ion Ratio	Lower Upper
96	100
61	119.4 85.8 159.3
68	0.0 0.0 0.0





#25

Chloroform

Concen: 0.157 ug/L

RT: 4.368 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029311.D

Acq: 23 Nov 2022 22:17

Instrument :

MSVOA_V

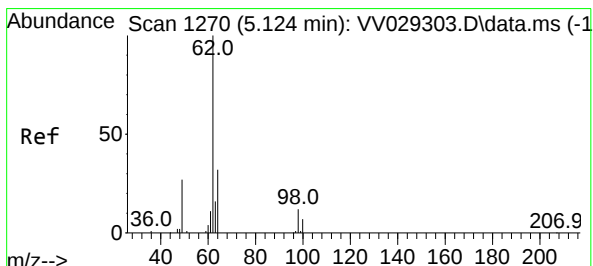
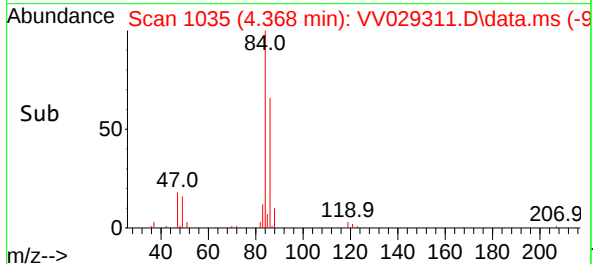
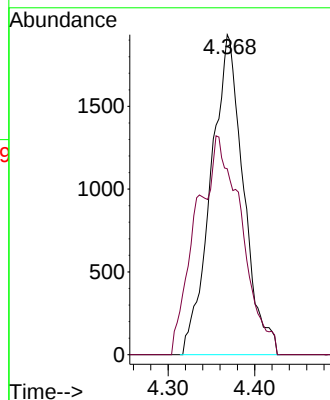
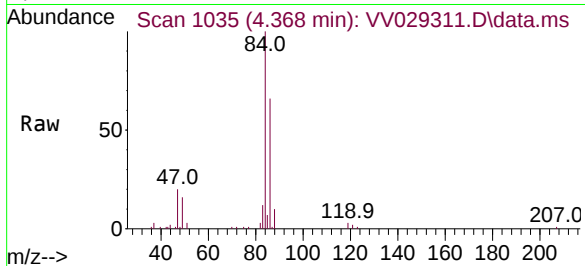
ClientSampleId :

Tgt Ion: 83 Resp: 5048

Ion Ratio Lower Upper

83 100

85 58.1 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.087 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.016 min

Lab File: VV029311.D

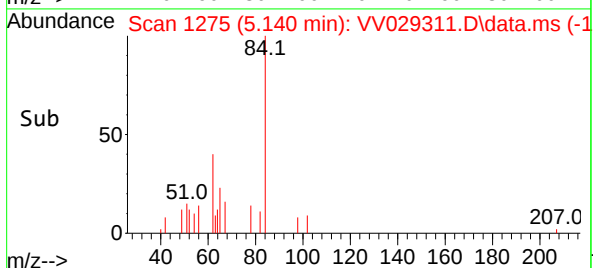
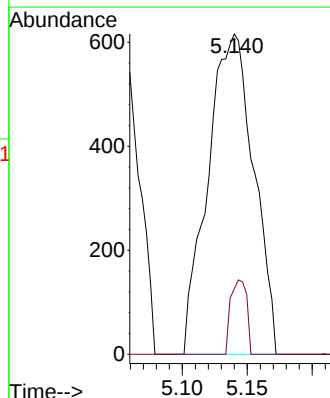
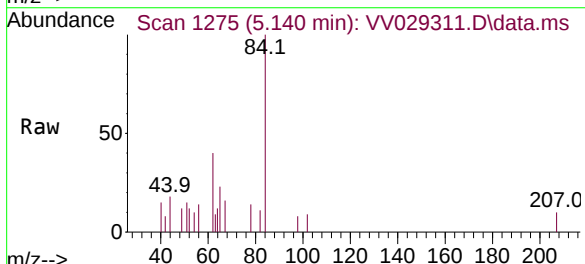
Acq: 23 Nov 2022 22:17

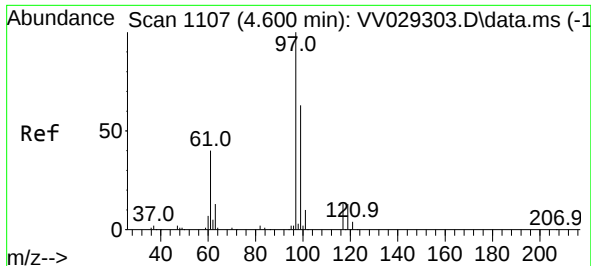
Tgt Ion: 62 Resp: 1511

Ion Ratio Lower Upper

62 100

98 20.5 8.4 12.6#





#29

1,1,1-Trichloroethane

Concen: 0.031 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029311.D

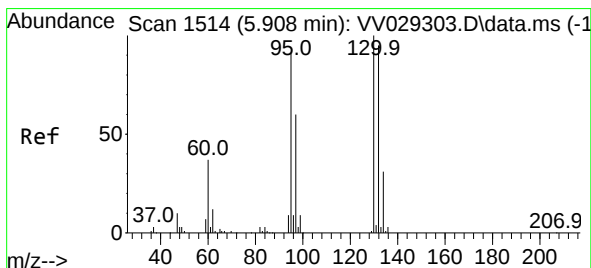
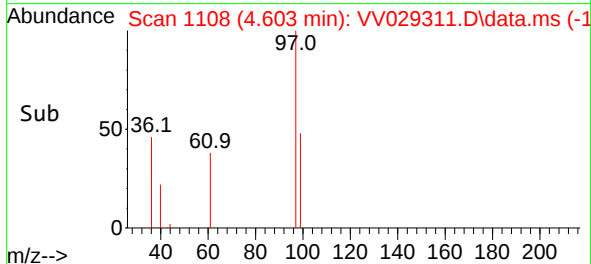
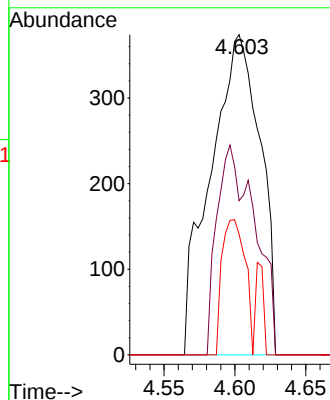
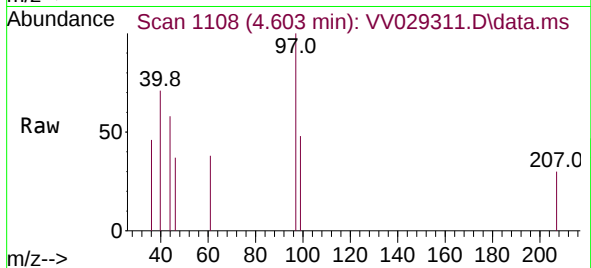
Acq: 23 Nov 2022 22:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	97	Resp:	914
Ion	Ratio	Lower	Upper
97	100		
99	50.1	51.2	76.8#
61	19.6	33.3	49.9#



#34

Trichloroethene

Concen: 12.240 ug/L

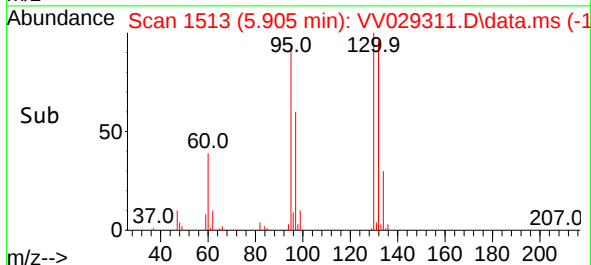
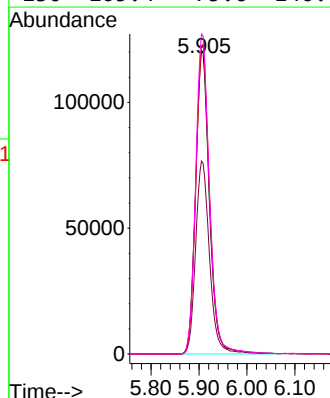
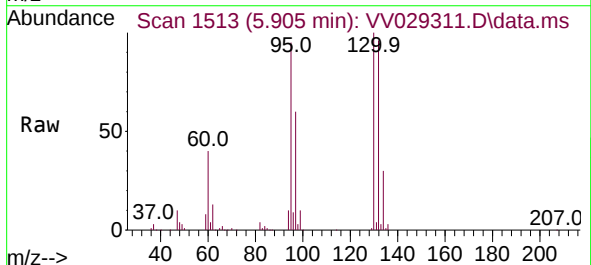
RT: 5.905 min Scan# 1513

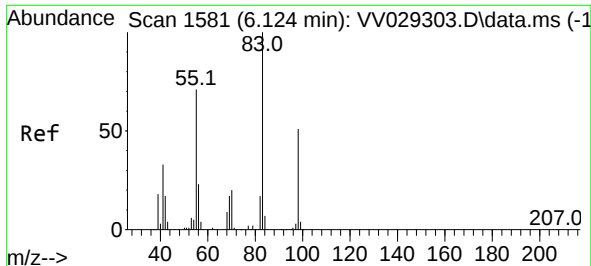
Delta R.T. -0.003 min

Lab File: VV029311.D

Acq: 23 Nov 2022 22:17

Tgt Ion:	95	Resp:	240786
Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.4	84.4
132	101.5	73.3	136.1
130	105.4	75.6	140.4

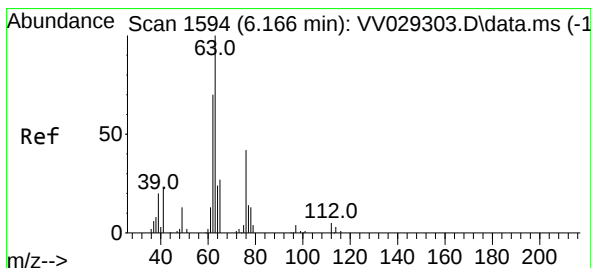
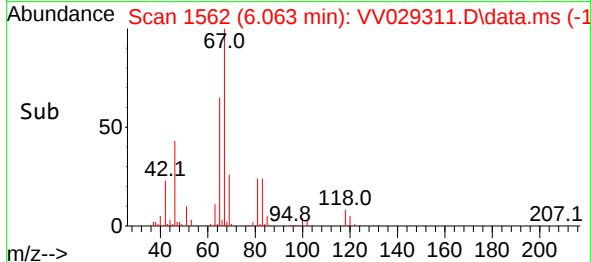
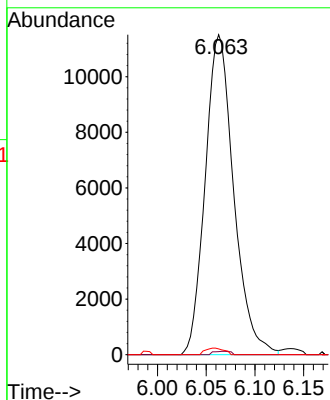
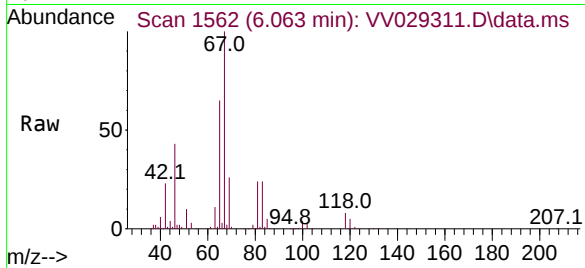




#35
Methylcyclohexane
Concen: 0.707 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV029311.D
Acq: 23 Nov 2022 22:17

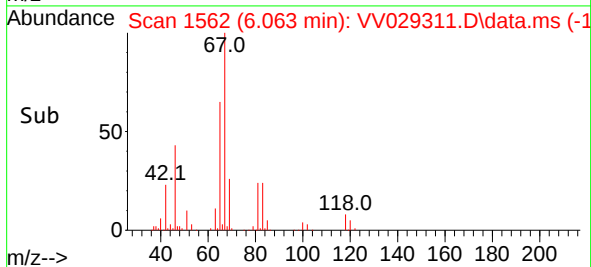
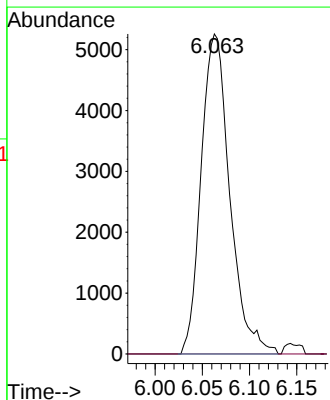
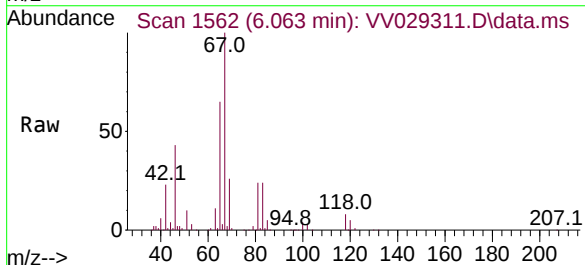
Instrument :
MSVOA_V
ClientSampleId :

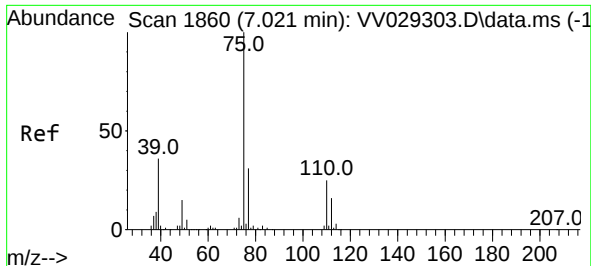
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.6	55.4	83.2#
98	1.4	39.4	59.2#



#37
1,2-Dichloropropane
Concen: 0.610 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.103 min
Lab File: VV029311.D
Acq: 23 Nov 2022 22:17

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





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV029311.D

Acq: 23 Nov 2022 22:17

Instrument :

MSVOA_V

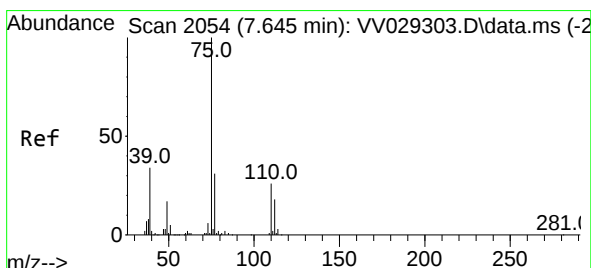
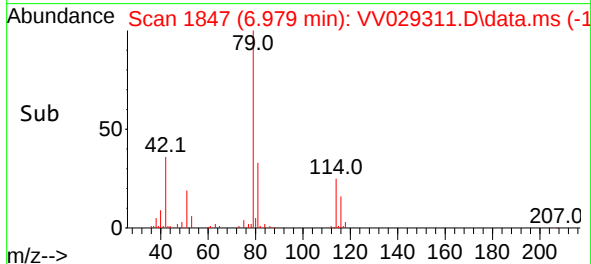
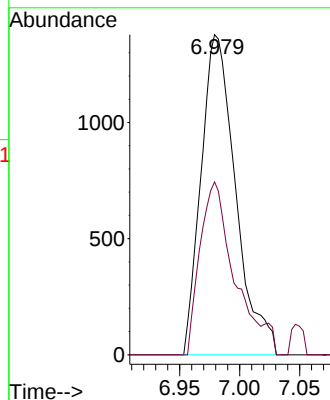
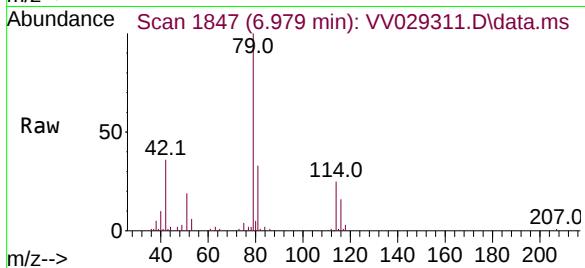
ClientSampleId :

Tgt Ion: 75 Resp: 2757

Ion Ratio Lower Upper

75 100

77 54.0 22.7 42.3#



#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.616 min Scan# 2045

Delta R.T. -0.029 min

Lab File: VV029311.D

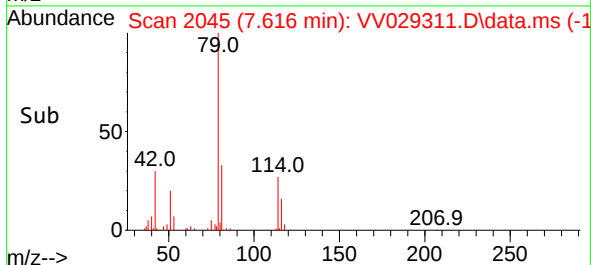
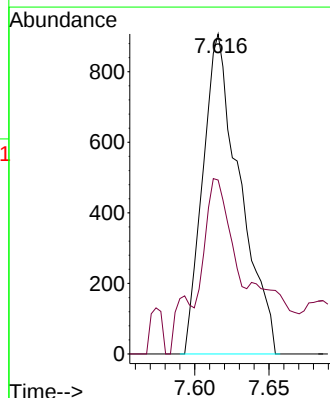
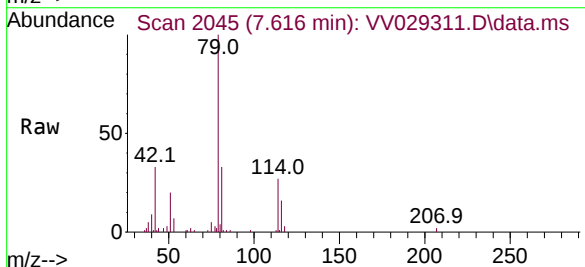
Acq: 23 Nov 2022 22:17

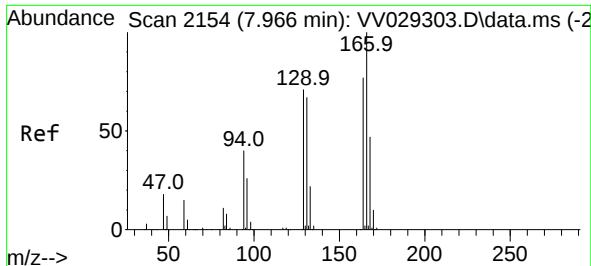
Tgt Ion: 75 Resp: 1565

Ion Ratio Lower Upper

75 100

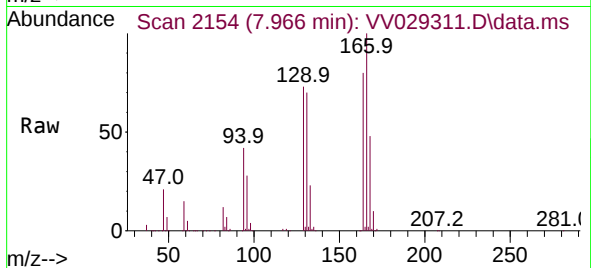
77 54.4 22.4 41.6#



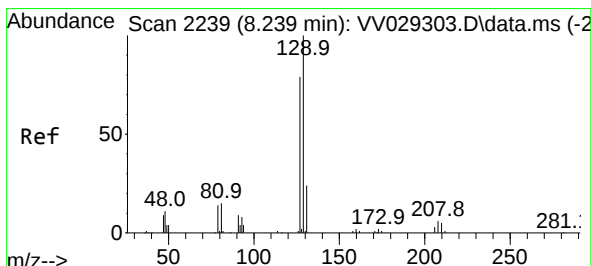
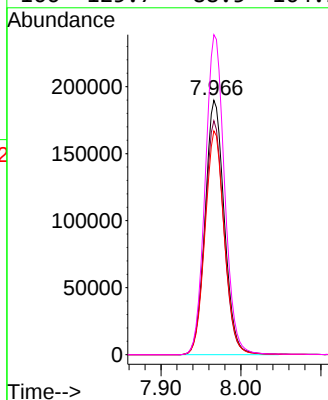
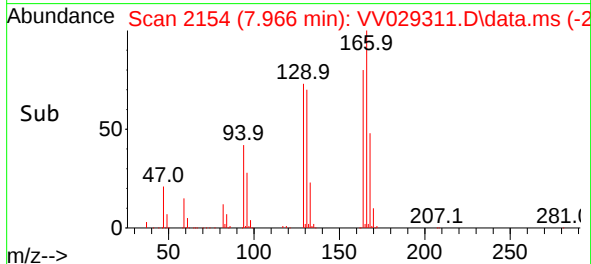


#47
Tetrachloroethene
Concen: 19.706 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VV029311.D
Acq: 23 Nov 2022 22:17

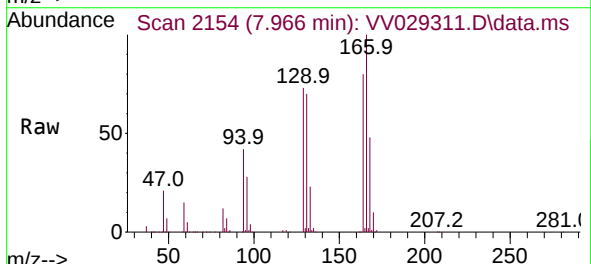
Instrument :
MSVOA_V
ClientSampleId :



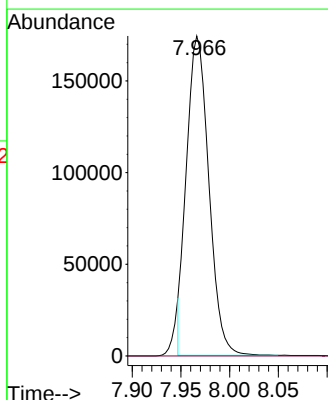
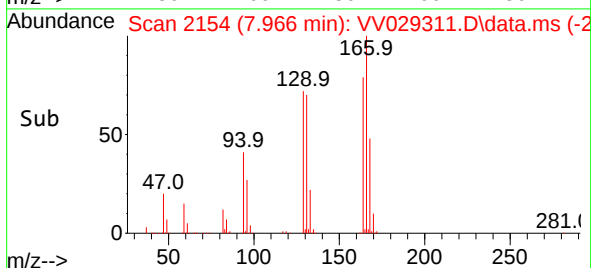
Tgt Ion:164 Resp: 317774
Ion Ratio Lower Upper
164 100
129 91.9 61.7 114.7
131 88.0 62.9 116.9
166 125.7 88.5 164.3

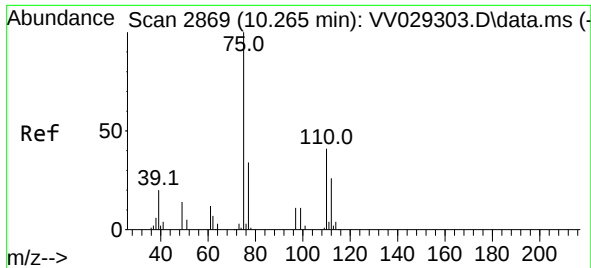


#49
Dibromochloromethane
Concen: 19.973 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.273 min
Lab File: VV029311.D
Acq: 23 Nov 2022 22:17



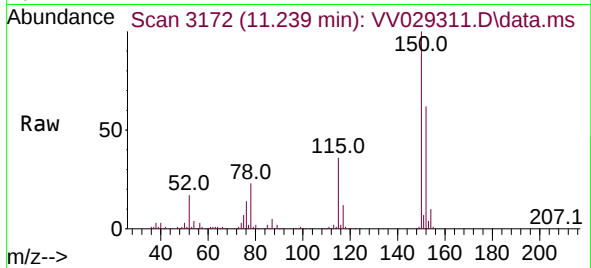
Tgt Ion:129 Resp: 276317
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.7#





#61
 1,2,3-Trichloropropane
 Concen: 1.673 ug/L
 RT: 11.239 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV029311.D
 Acq: 23 Nov 2022 22:17

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 14660
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.7 40.1
 110 2.1 32.2 48.4#

