

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111822\
 Data File : VV029115.D
 Acq On : 18 Nov 2022 13:57
 Operator : SY/MD
 Sample : N5687-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGCD5

Quant Time: Nov 18 23:34:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 04:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	293475	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	265636	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	117604	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	76417	4.271	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.400%
7) Chloroethane-d5	1.568	69	69120	4.395	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.108	63	108108	3.316	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.400%
20) 2-Butanone-d5	3.902	46	133905	44.710	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.420%
24) Chloroform-d	4.346	84	177072	4.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.034	65	81306	4.920	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.050	84	356109	4.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.069	67	112540	5.083	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.313	98	319589	4.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	7.622	79	34959	4.841	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.800%
46) 2-Hexanone-d5	8.091	63	158670	51.478	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.960%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	83146	5.417	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.400%
66) 1,2-Dichlorobenzene-d4	11.615	152	112802	5.361	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	12243	0.603	ug/L	99
6) Bromomethane	1.526	94	690	0.050	ug/L	96
8) Chloroethane	1.420	64	232662	17.096	ug/L #	52
12) 1,1-Dichloroethene	2.117	96	3860	0.217	ug/L #	1
18) trans-1,2-Dichloroethene	2.770	96	1146	0.056	ug/L	81
19) 1,1-Dichloroethane	3.191	63	37672	1.118	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	272036	12.986	ug/L	99
29) 1,1,1-Trichloroethane	4.606	97	37694	1.209	ug/L	98
31) Carbon tetrachloride	4.606	117	5117	0.191	ug/L	91
33) Benzene	5.104	78	9912	0.122	ug/L	100
34) Trichloroethene	5.911	95	473886	22.804	ug/L	98
35) Methylcyclohexane	6.069	83	27718	0.759	ug/L #	22
37) 1,2-Dichloropropane	6.069	63	11941	0.638	ug/L #	85
47) Tetrachloroethene	7.976	164	1181	0.071	ug/L #	74
49) Dibromochloromethane	7.976	129	872	0.059	ug/L #	10
60) Isopropylbenzene	9.934	105	4816	0.063	ug/L	96
61) 1,2,3-Trichloropropane	11.242	75	13640	1.697	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 04:35:43 2022
Response via : Initial Calibration

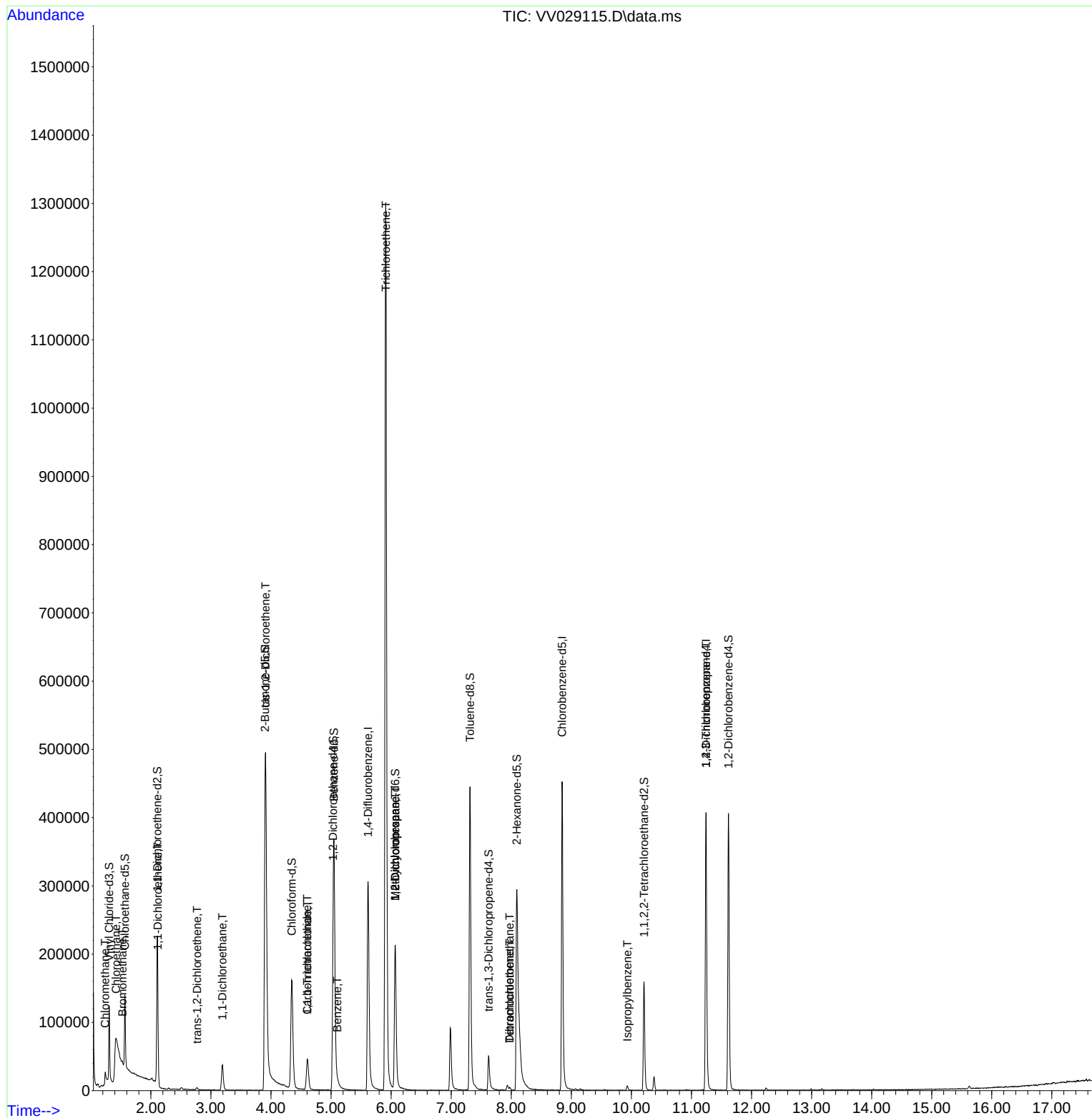
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

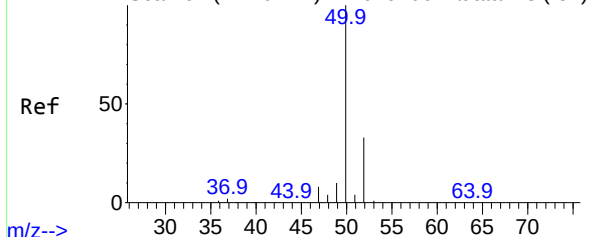
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Abundance Scan 62 (1.240 min): VV029106.D\data.ms (-54)



#3

Chloromethane

Concen: 0.603 ug/L

RT: 1.240 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV029115.D

Acq: 18 Nov 2022 13:57

Instrument :

MSVOA_V

ClientSampleId :

BGCD5

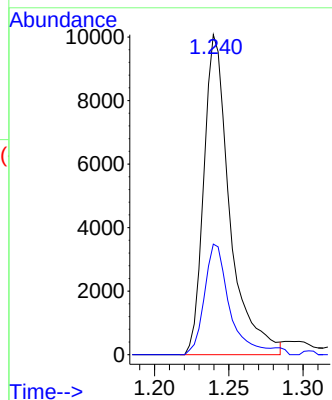
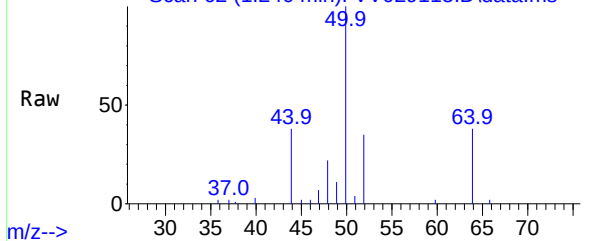
Tgt Ion: 50 Resp: 12243

Ion Ratio Lower Upper

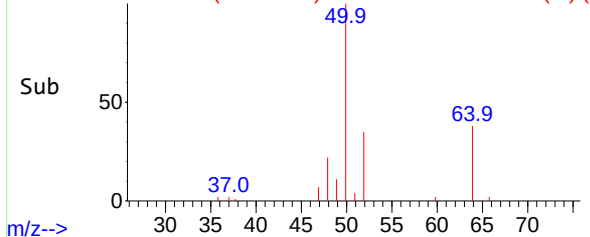
50 100

52 34.5 23.7 43.9

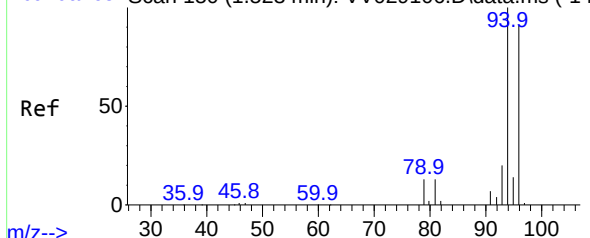
Abundance Scan 62 (1.240 min): VV029115.D\data.ms



Abundance Scan 62 (1.240 min): VV029115.D\data.ms (-1)



Abundance Scan 150 (1.523 min): VV029106.D\data.ms (-14)



#6

Bromomethane

Concen: 0.050 ug/L

RT: 1.526 min Scan# 151

Delta R.T. 0.003 min

Lab File: VV029115.D

Acq: 18 Nov 2022 13:57

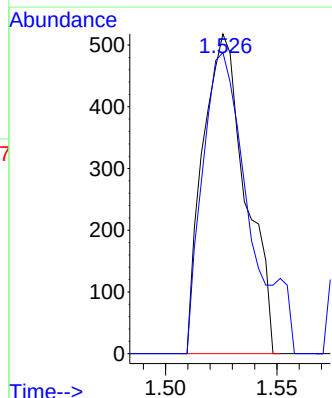
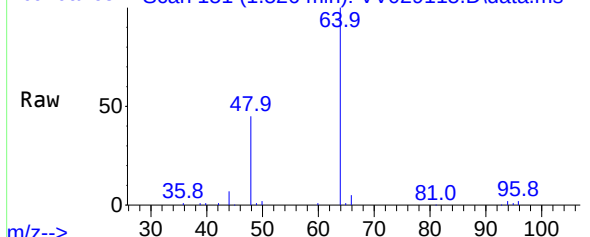
Tgt Ion: 94 Resp: 690

Ion Ratio Lower Upper

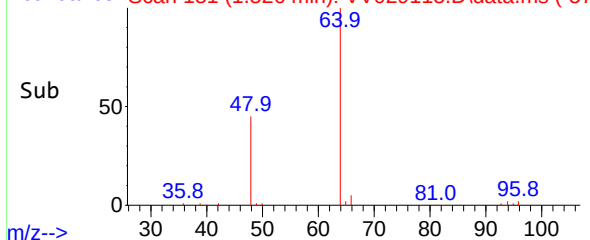
94 100

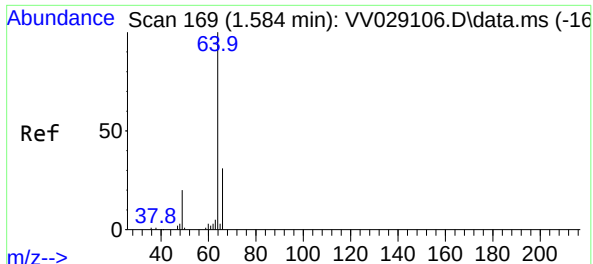
96 94.2 68.5 127.3

Abundance Scan 151 (1.526 min): VV029115.D\data.ms



Abundance Scan 151 (1.526 min): VV029115.D\data.ms (-57)

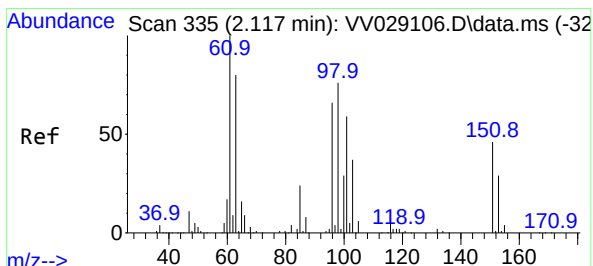
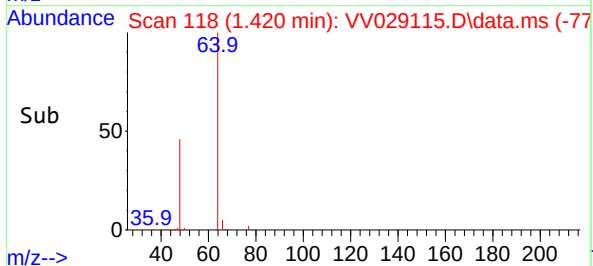
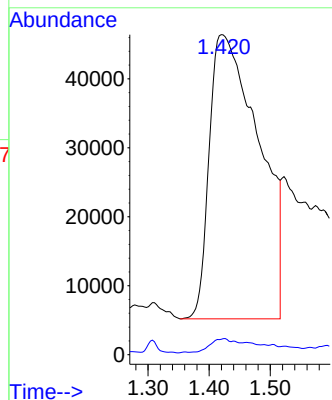
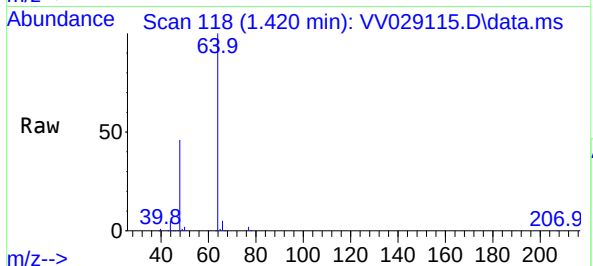




#8
Chloroethane
Concen: 17.096 ug/L
RT: 1.420 min Scan# 118
Delta R.T. -0.167 min
Lab File: VV029115.D
Acq: 18 Nov 2022 13:57

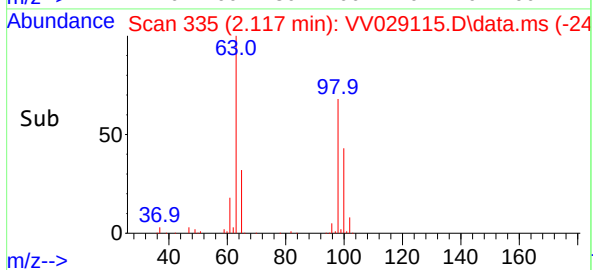
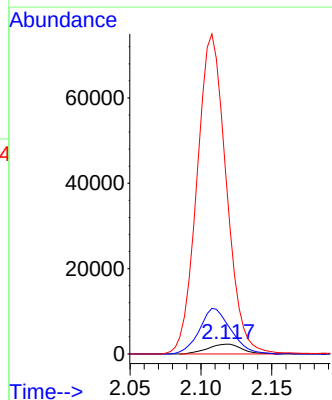
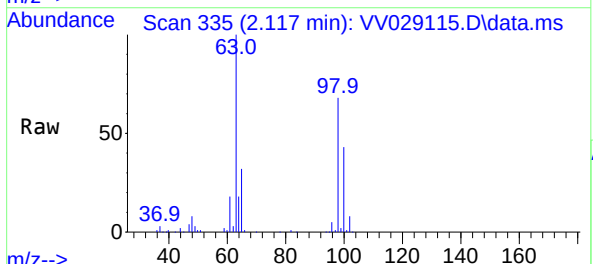
Instrument :
MSVOA_V
ClientSampleId :
BGCD5

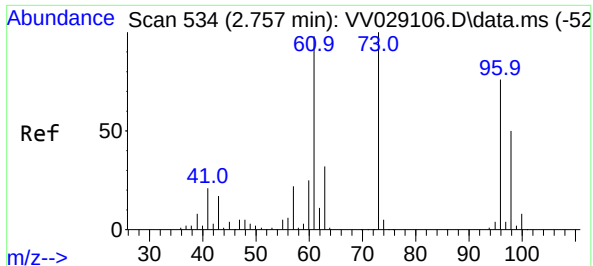
Tgt Ion: 64 Resp: 232662
Ion Ratio Lower Upper
64 100
66 4.8 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 0.217 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV029115.D
Acq: 18 Nov 2022 13:57

Tgt Ion: 96 Resp: 3860
Ion Ratio Lower Upper
96 100
61 328.8 104.2 193.4#
63 1867.6 75.9 140.9#

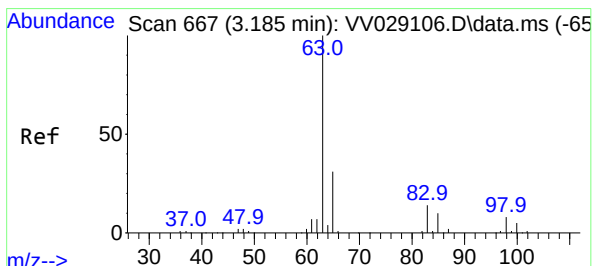
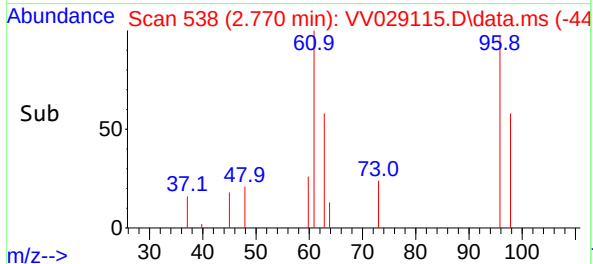
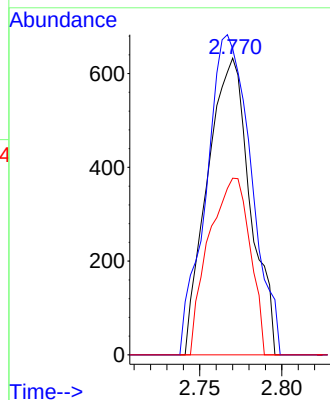
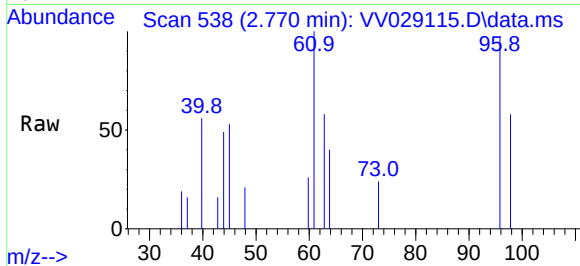




#18
trans-1,2-Dichloroethene
Concen: 0.056 ug/L
RT: 2.770 min Scan# 511
Delta R.T. 0.009 min
Lab File: VV029115.D
Acq: 18 Nov 2022 13:57

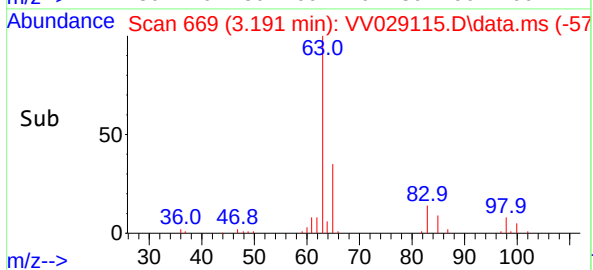
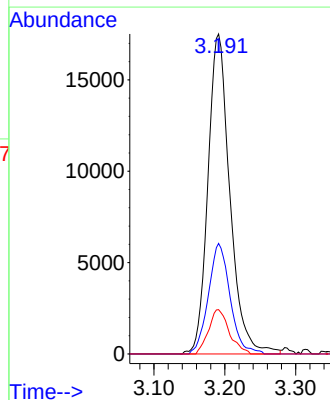
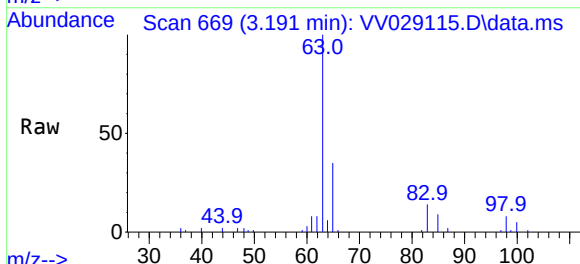
Instrument :
MSVOA_V
ClientSampleId :
BGCD5

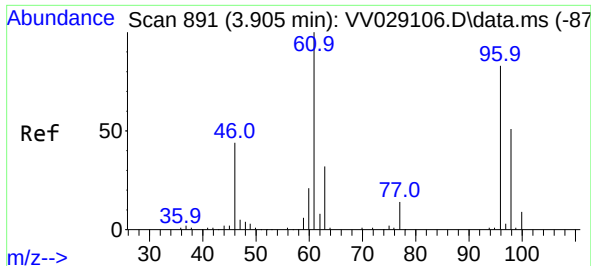
Tgt Ion: 96 Resp: 1146
Ion Ratio Lower Upper
96 100
61 103.2 91.8 170.6
98 59.6 46.4 86.2



#19
1,1-Dichloroethane
Concen: 1.118 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV029115.D
Acq: 18 Nov 2022 13:57

Tgt Ion: 63 Resp: 37672
Ion Ratio Lower Upper
63 100
65 34.6 23.0 42.6
83 13.9 9.4 17.6

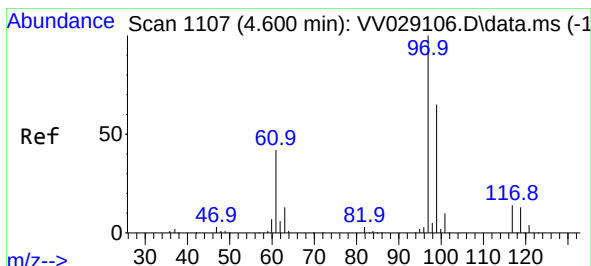
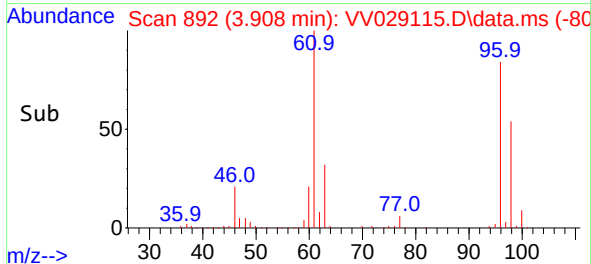
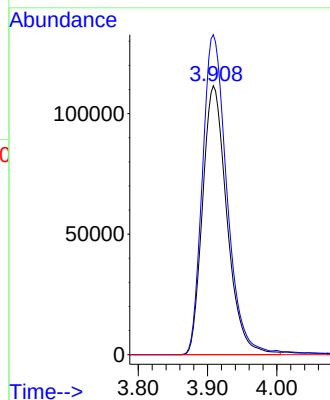
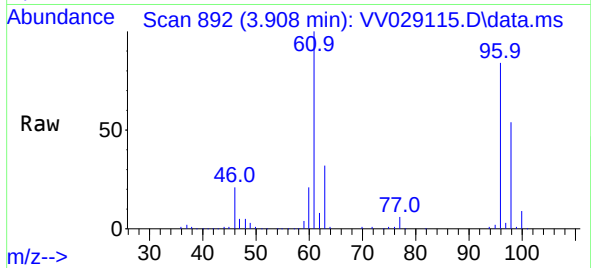




#22
 cis-1,2-Dichloroethene
 Concen: 12.986 ug/L
 RT: 3.908 min Scan# 891
 Delta R.T. -0.003 min
 Lab File: VV029115.D
 Acq: 18 Nov 2022 13:57

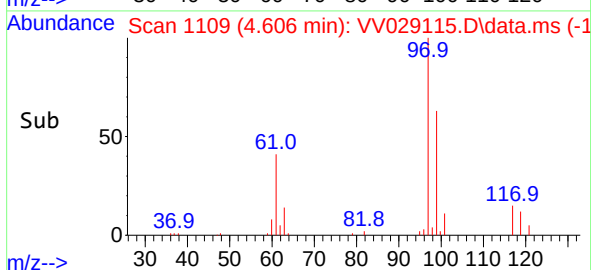
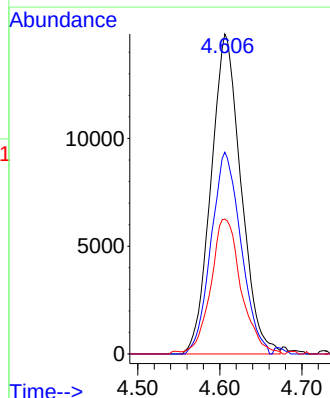
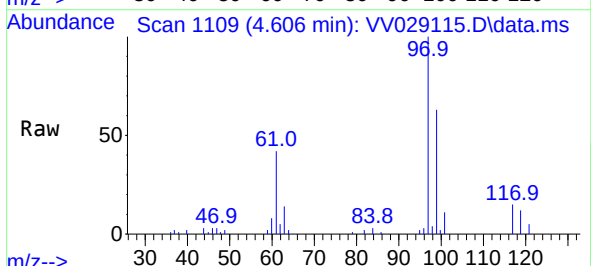
Instrument :
 MSVOA_V
 ClientSampleId :
 BGCD5

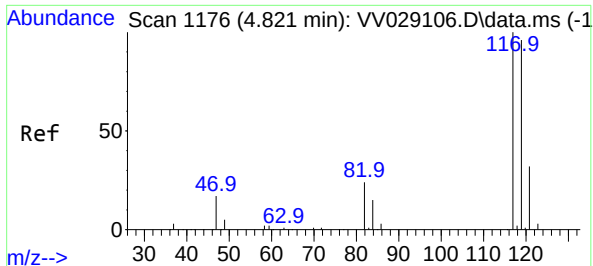
Tgt Ion: 96 Resp: 272036
 Ion Ratio Lower Upper
 96 100
 61 118.9 82.3 152.9
 68 0.0 0.0 0.0



#29
 1,1,1-Trichloroethane
 Concen: 1.209 ug/L
 RT: 4.606 min Scan# 1109
 Delta R.T. -0.000 min
 Lab File: VV029115.D
 Acq: 18 Nov 2022 13:57

Tgt Ion: 97 Resp: 37694
 Ion Ratio Lower Upper
 97 100
 99 63.1 52.7 79.1
 61 42.7 33.8 50.6

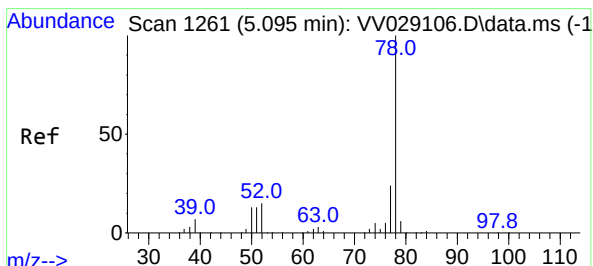
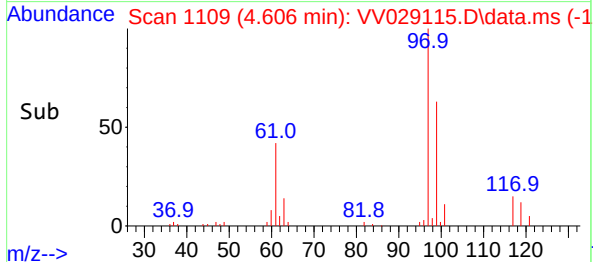
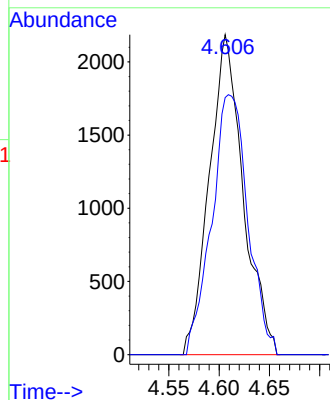
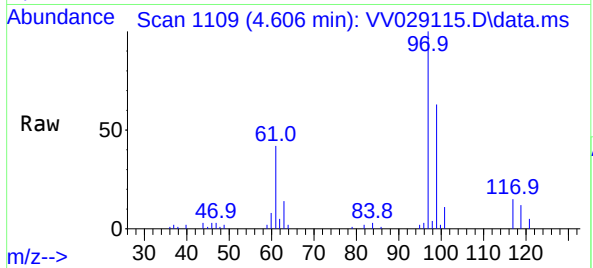




#31
Carbon tetrachloride
Concen: 0.191 ug/L
RT: 4.606 min Scan# 1176
Delta R.T. -0.222 min
Lab File: VV029115.D
Acq: 18 Nov 2022 13:57

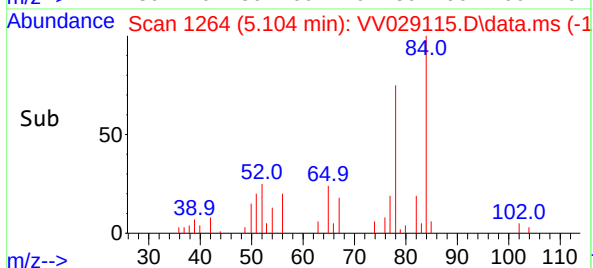
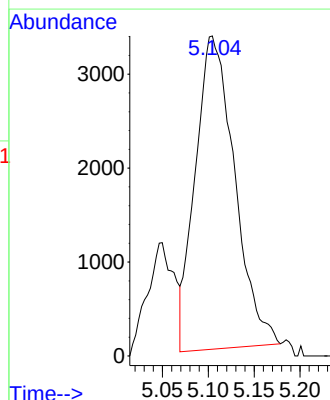
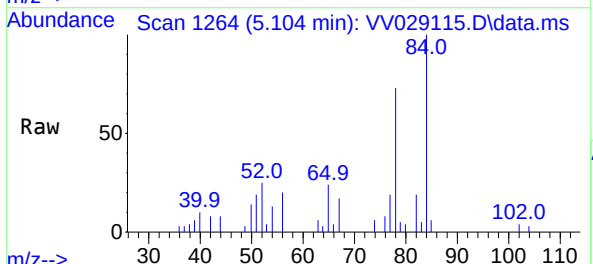
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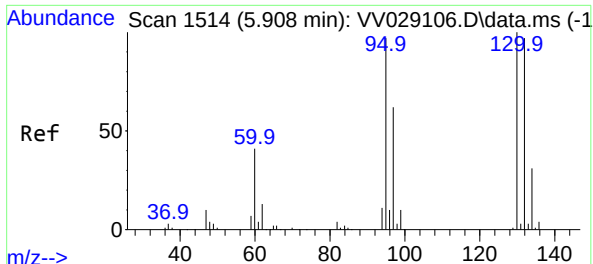
Tgt Ion:117 Resp: 5117
Ion Ratio Lower Upper
117 100
119 87.0 77.0 115.6



#33
Benzene
Concen: 0.122 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VV029115.D
Acq: 18 Nov 2022 13:57

Tgt Ion: 78 Resp: 9912





#34

Trichloroethene

Concen: 22.804 ug/L

RT: 5.911 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV029115.D

Acq: 18 Nov 2022 13:57

Instrument :

MSVOA_V

ClientSampleId :

BGCD5

Tgt Ion: 95 Resp: 473886

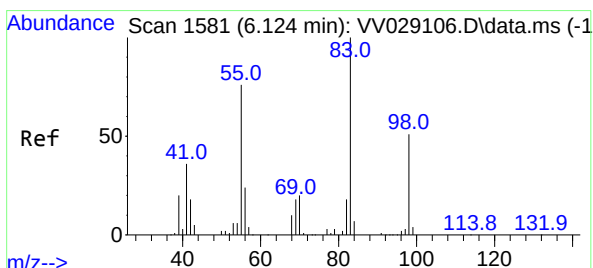
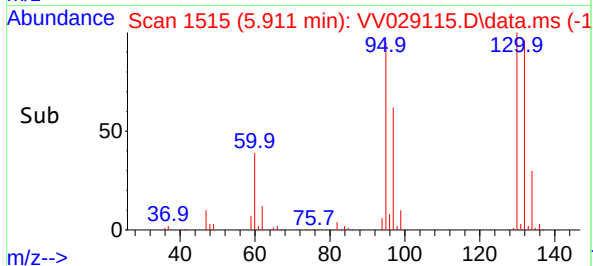
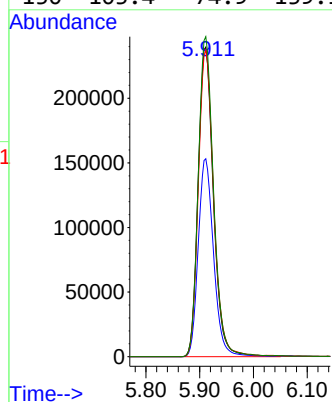
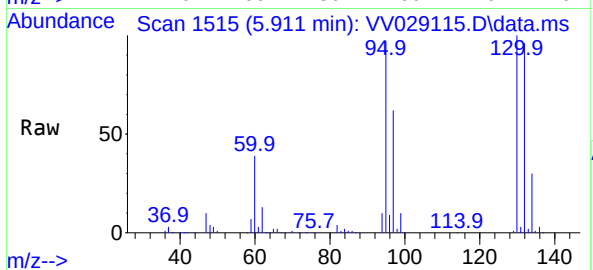
Ion Ratio Lower Upper

95 100

97 63.9 45.6 84.8

132 99.1 69.1 128.3

130 103.4 74.9 139.1



#35

Methylcyclohexane

Concen: 0.759 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV029115.D

Acq: 18 Nov 2022 13:57

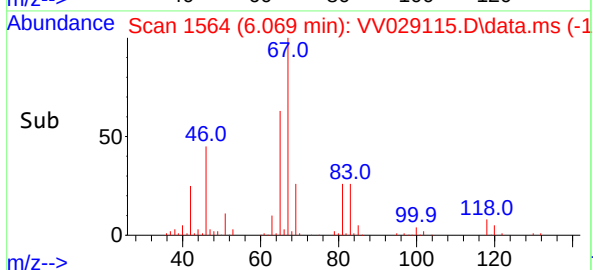
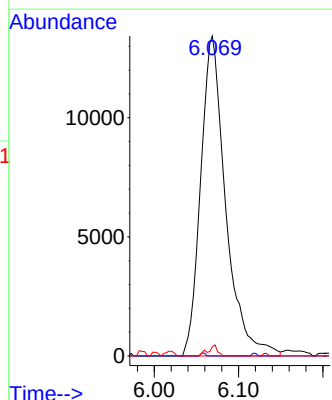
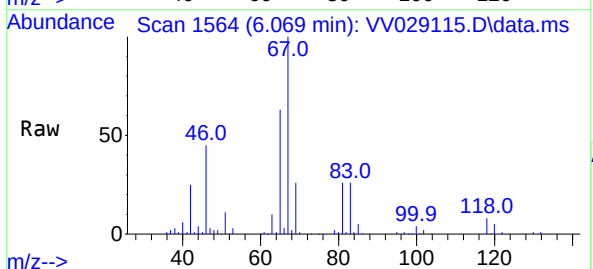
Tgt Ion: 83 Resp: 27718

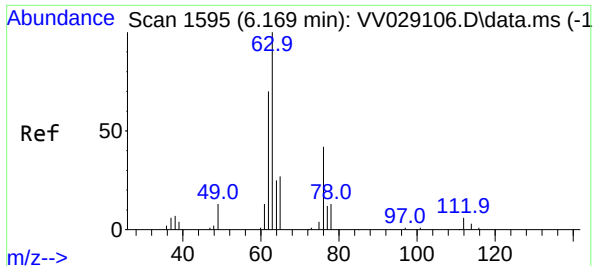
Ion Ratio Lower Upper

83 100

55 0.2 55.8 83.6#

98 1.4 38.2 57.2#

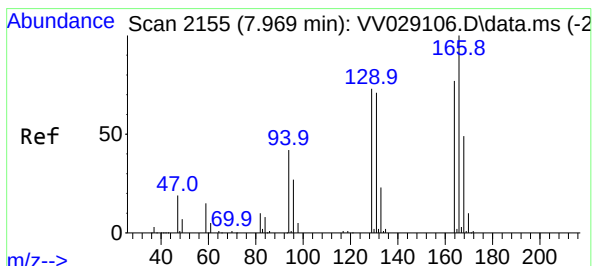
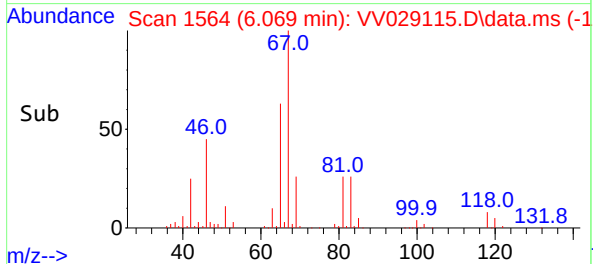
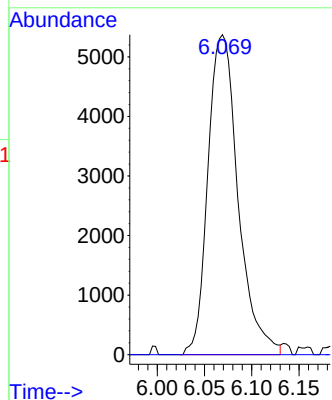
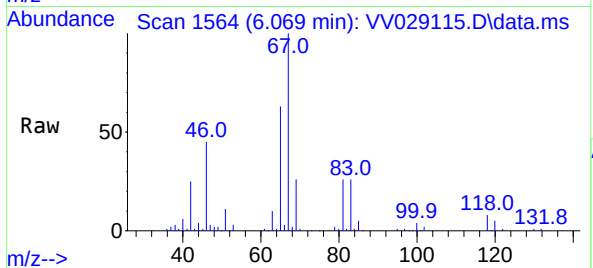




#37
1,2-Dichloropropane
Concen: 0.638 ug/L
RT: 6.069 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV029115.D
Acq: 18 Nov 2022 13:57

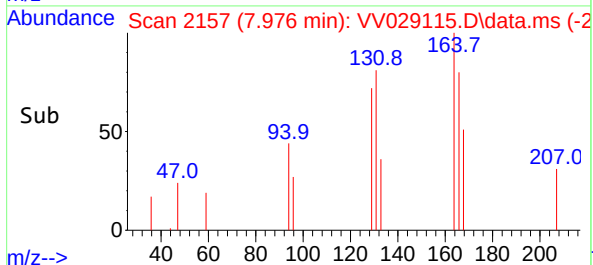
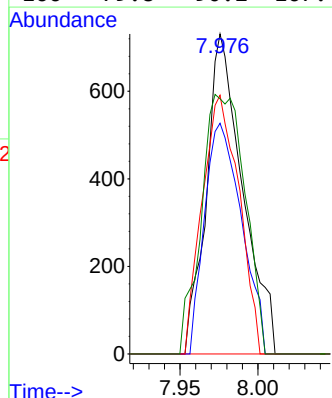
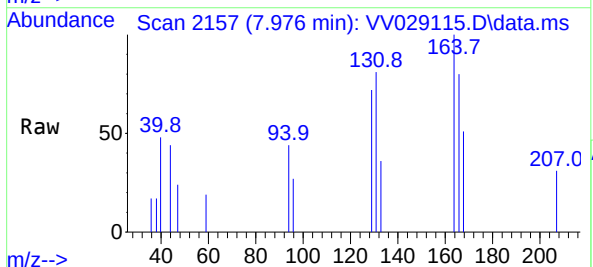
Instrument :
MSVOA_V
ClientSampleId :
BGCD5

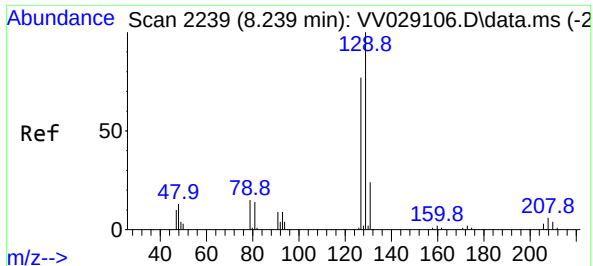
Tgt Ion: 63 Resp: 11941
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#



#47
Tetrachloroethene
Concen: 0.071 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV029115.D
Acq: 18 Nov 2022 13:57

Tgt Ion:164 Resp: 1181
Ion Ratio Lower Upper
164 100
129 72.1 63.9 118.7
131 80.8 61.8 114.8
166 79.8 90.2 167.4#





#49

Dibromochloromethane

Concen: 0.059 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.264 min

Lab File: VV029115.D

Acq: 18 Nov 2022 13:57

Instrument :

MSVOA_V

ClientSampleId :

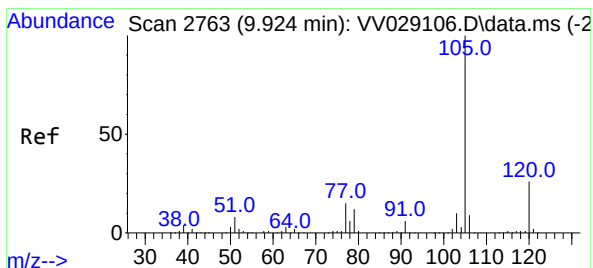
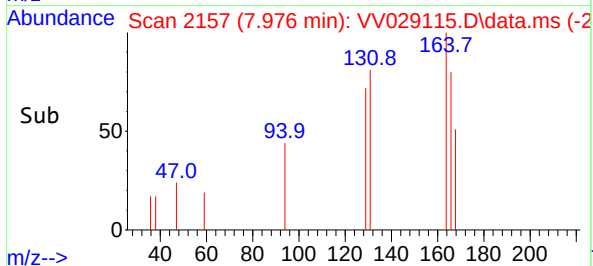
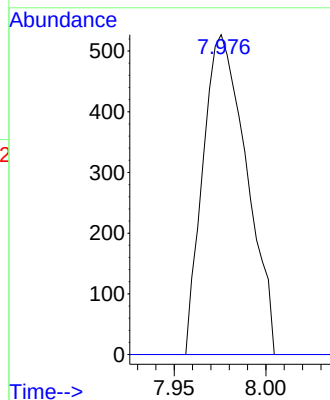
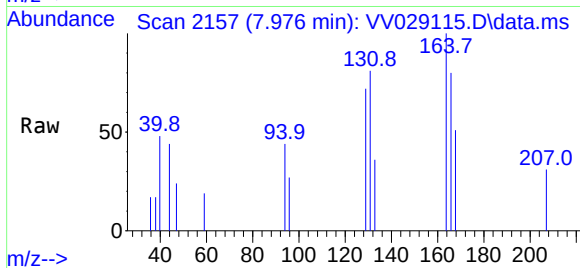
BGCD5

Tgt Ion:129 Resp: 872

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#60

Isopropylbenzene

Concen: 0.063 ug/L

RT: 9.934 min Scan# 2766

Delta R.T. 0.009 min

Lab File: VV029115.D

Acq: 18 Nov 2022 13:57

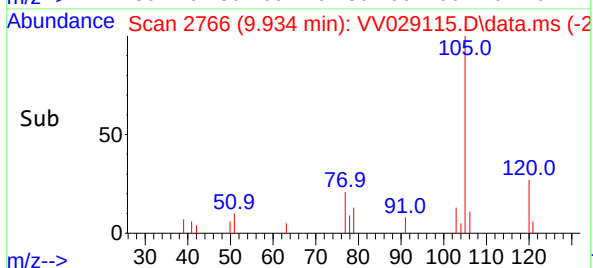
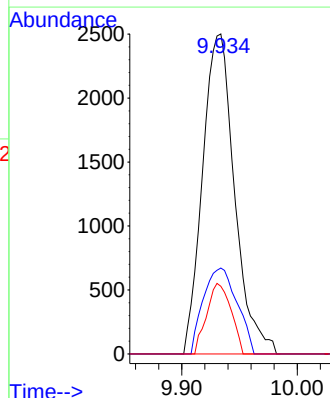
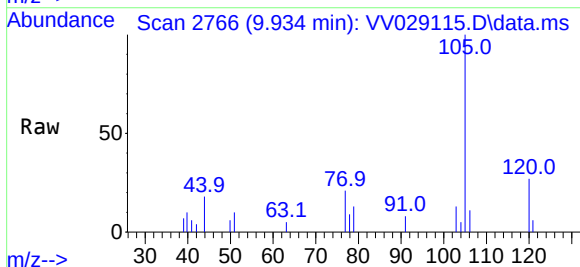
Tgt Ion:105 Resp: 4816

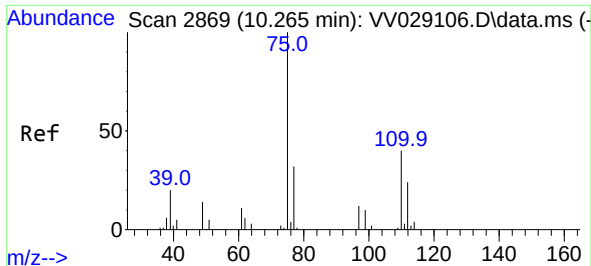
Ion Ratio Lower Upper

105 100

120 28.2 21.3 31.9

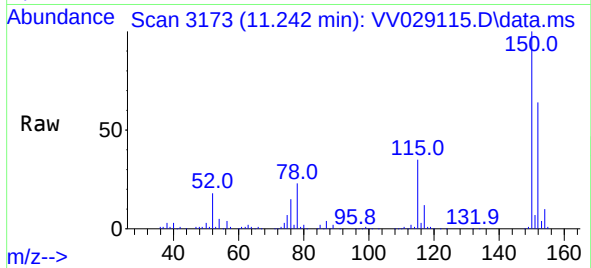
77 16.7 11.8 17.8





#61
 1,2,3-Trichloropropane
 Concen: 1.697 ug/L
 RT: 11.242 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV029115.D
 Acq: 18 Nov 2022 13:57

Instrument :
 MSVOA_V
 ClientSampleId :
 BGCD5



Tgt Ion: 75 Resp: 13640

Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.2
110	1.5	32.6	48.8#

