

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111822\
 Data File : VW029117.D
 Acq On : 18 Nov 2022 14:46
 Operator : SY/MD
 Sample : N5687-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGCD7

Quant Time: Nov 18 23:34:16 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	5.612	114	279199	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	260449	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	113804	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	74521	4.378	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.600%
7) Chloroethane-d5	1.568	69	68047	4.547	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.105	63	105394	3.398	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.000%
20) 2-Butanone-d5	3.892	46	196588	68.995	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.000%#
24) Chloroform-d	4.342	84	170433	4.877	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.027	65	85324	5.427	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.600%
32) Benzene-d6	5.043	84	356004	4.579	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.066	67	113887	5.246	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.000%
41) Toluene-d8	7.310	98	323571	4.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	7.622	79	35448	5.007	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.200%
46) 2-Hexanone-d5	8.088	63	157281	52.043	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.080%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	83441	5.544	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.800%
66) 1,2-Dichlorobenzene-d4	11.615	152	115484	5.672	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1677	0.087	ug/L	92
6) Bromomethane	1.526	94	615	0.047	ug/L	90
8) Chloroethane	1.375	64	366828	28.332	ug/L #	52
19) 1,1-Dichloroethane	3.191	63	5816	0.181	ug/L	90
22) cis-1,2-Dichloroethene	3.908	96	70770	3.551	ug/L	99
25) Chloroform	4.371	83	8827	0.263	ug/L	90
29) 1,1,1-Trichloroethane	4.606	97	19837	0.649	ug/L	95
31) Carbon tetrachloride	4.606	117	2718	0.103	ug/L	98
34) Trichloroethene	5.908	95	269776	13.240	ug/L	98
35) Methylcyclohexane	6.063	83	26325	0.735	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	11681	0.636	ug/L #	85
44) trans-1,3-Dichloropropene	7.625	75	1456	0.073	ug/L	99
52) Ethylbenzene	9.014	91	4863	0.054	ug/L #	82
53) m,p-Xylene	9.140	106	7070	0.199	ug/L	93
60) Isopropylbenzene	10.734	105	4704	0.064	ug/L	97
61) 1,2,3-Trichloropropane	11.242	75	13128	1.688	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.535	105	3207	0.051	ug/L	91
63) 1,2,4-Trimethylbenzene	10.911	105	7495	0.120	ug/L	97

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QLast Update : Fri Nov 18 04:35:43 2022
Response via : Initial Calibration

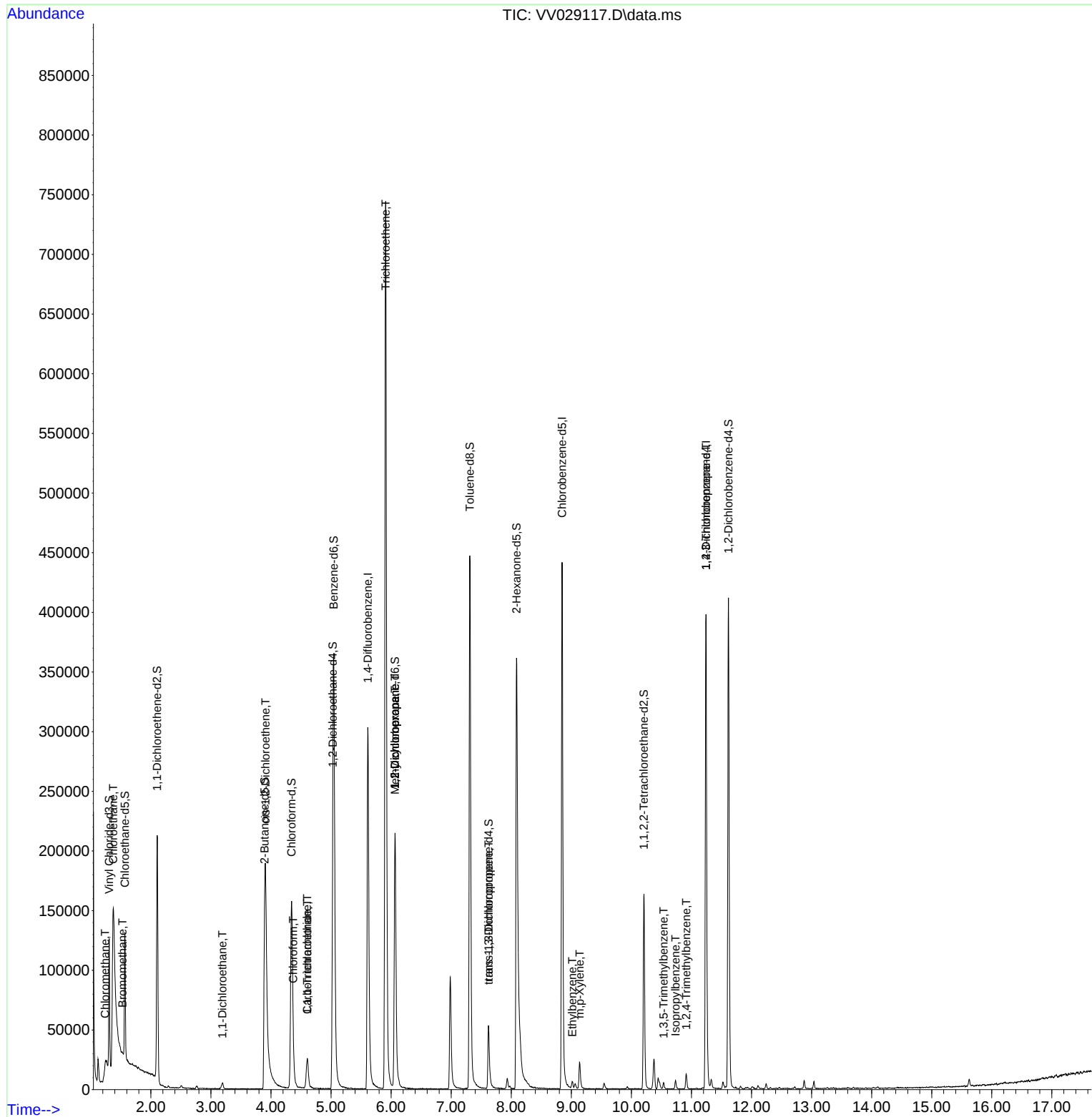
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

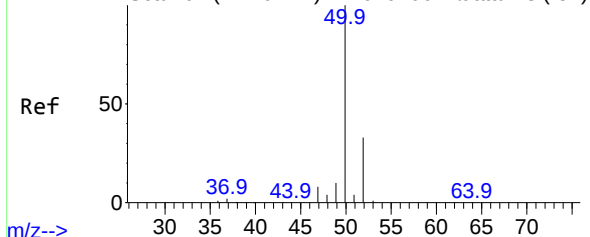
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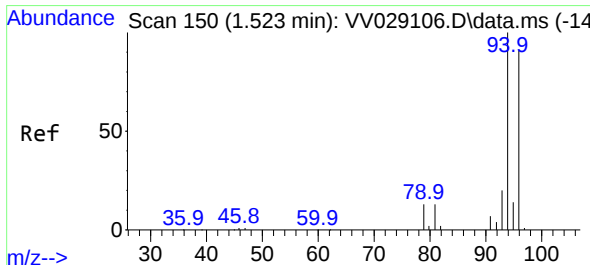
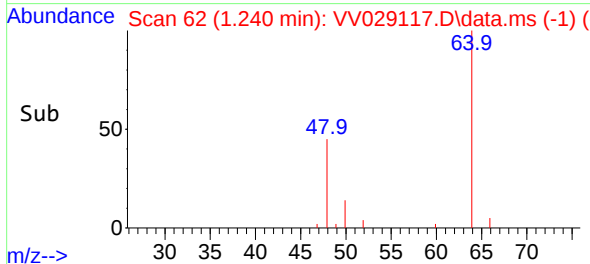
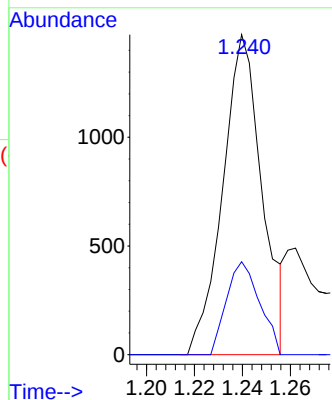
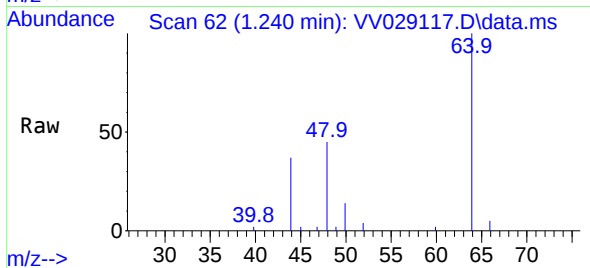
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#3
Chloromethane
Concen: 0.087 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

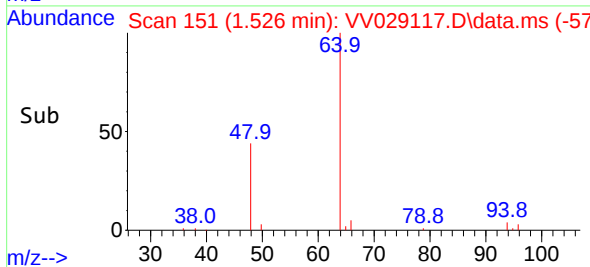
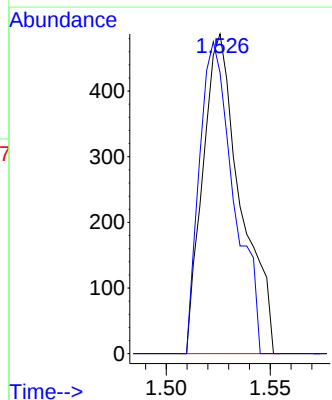
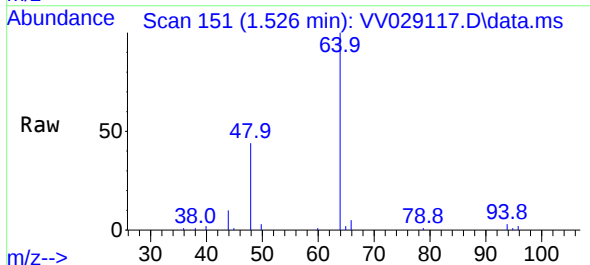
Instrument :
MSVOA_V
ClientSampleId :
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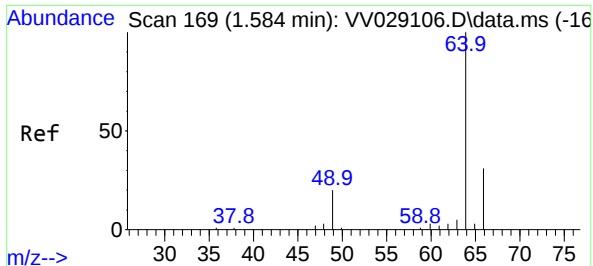
Tgt Ion: 50 Resp: 1677
Ion Ratio Lower Upper
50 100
52 29.1 23.7 43.9



#6
Bromomethane
Concen: 0.047 ug/L
RT: 1.526 min Scan# 151
Delta R.T. 0.003 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

Tgt Ion: 94 Resp: 615
Ion Ratio Lower Upper
94 100
96 87.9 68.5 127.3

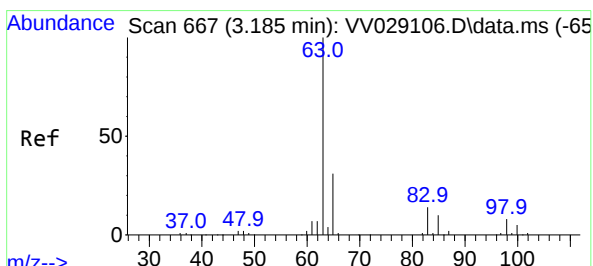
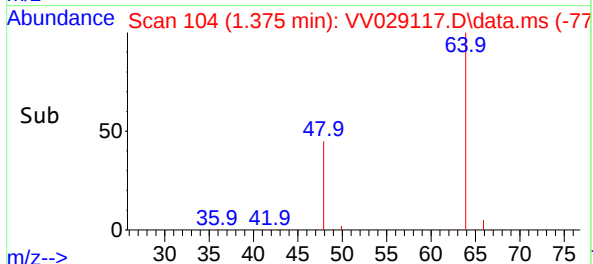
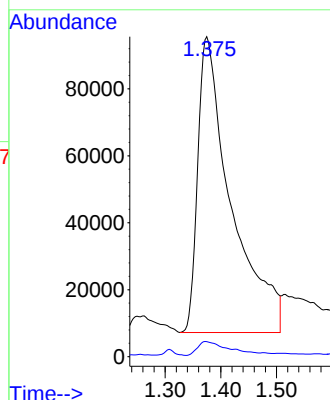
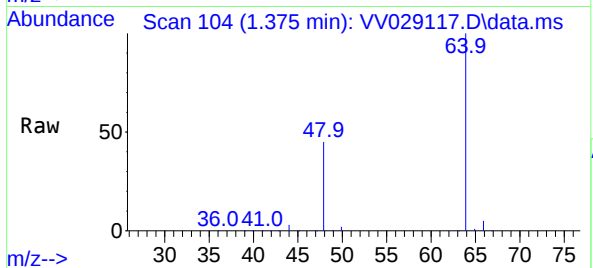




#8
Chloroethane
Concen: 28.332 ug/L
RT: 1.375 min Scan# 104
Delta R.T. -0.212 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

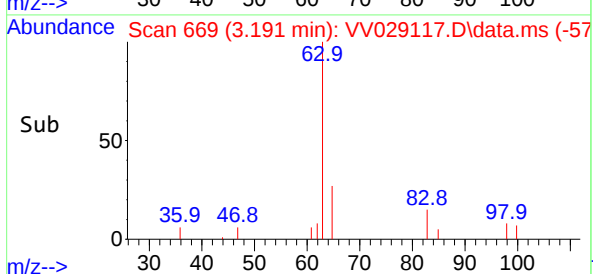
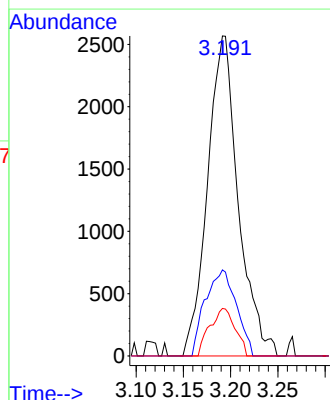
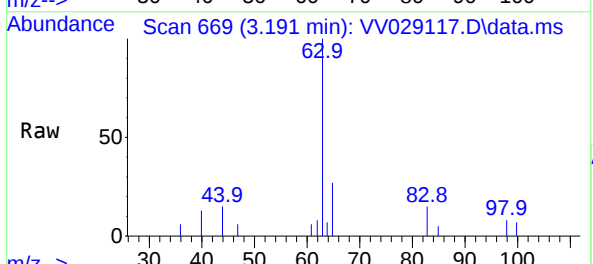
Instrument :
MSVOA_V
ClientSampleId :
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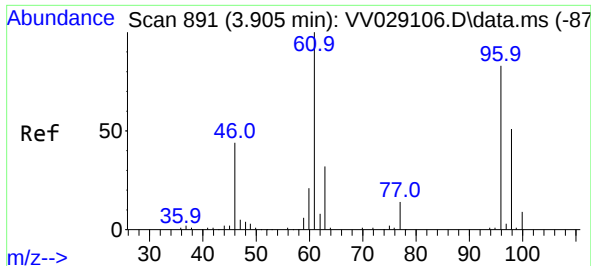
Tgt Ion: 64 Resp: 366828
Ion Ratio Lower Upper
64 100
66 4.7 22.0 40.8#



#19
1,1-Dichloroethane
Concen: 0.181 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

Tgt Ion: 63 Resp: 5816
Ion Ratio Lower Upper
63 100
65 25.0 23.0 42.6
83 13.8 9.4 17.6

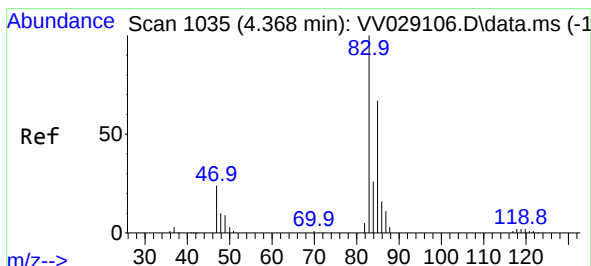
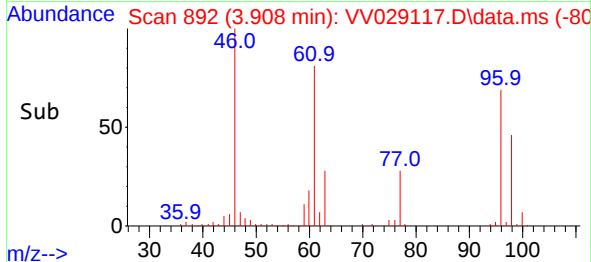
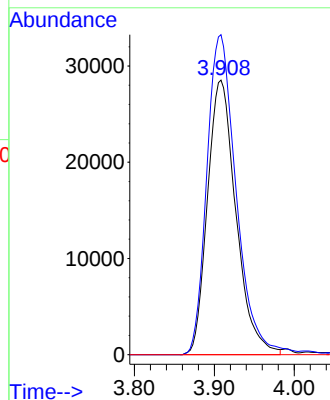
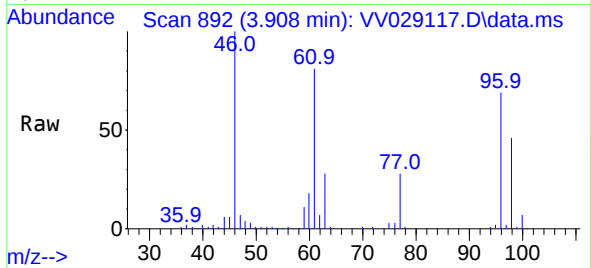




#22
 cis-1,2-Dichloroethene
 Concen: 3.551 ug/L
 RT: 3.908 min Scan# 891
 Delta R.T. -0.003 min
 Lab File: VV029117.D
 Acq: 18 Nov 2022 14:46

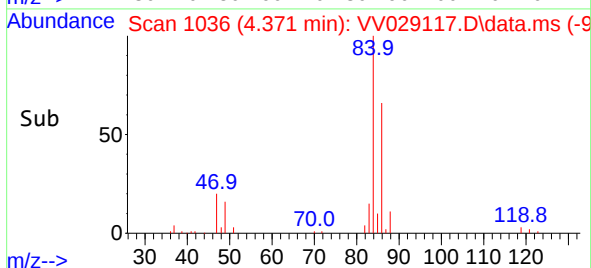
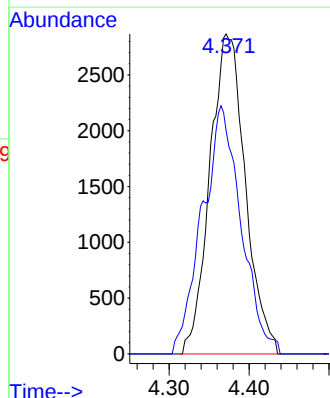
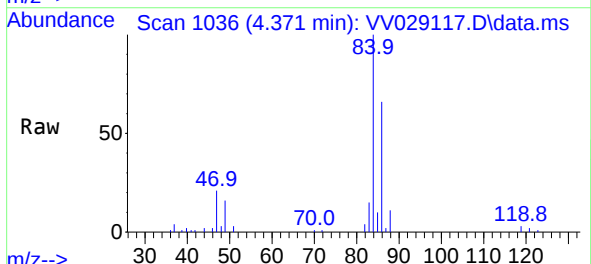
Instrument :
 MSVOA_V
 ClientSampleId :
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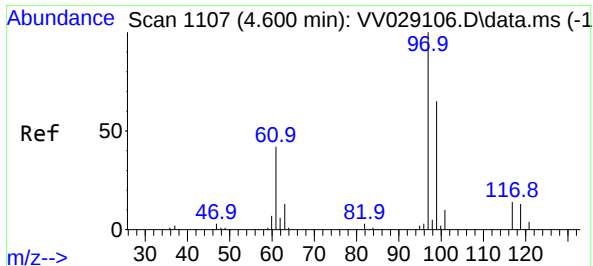
Tgt Ion: 96 Resp: 70770
 Ion Ratio Lower Upper
 96 100
 61 116.6 82.3 152.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.263 ug/L
 RT: 4.371 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VV029117.D
 Acq: 18 Nov 2022 14:46

Tgt Ion: 83 Resp: 8827
 Ion Ratio Lower Upper
 83 100
 85 69.8 43.7 81.1





#29

1,1,1-Trichloroethane

Concen: 0.649 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VV029117.D

Acq: 18 Nov 2022 14:46

Instrument :

MSVOA_V

ClientSampleId :

BGCD7

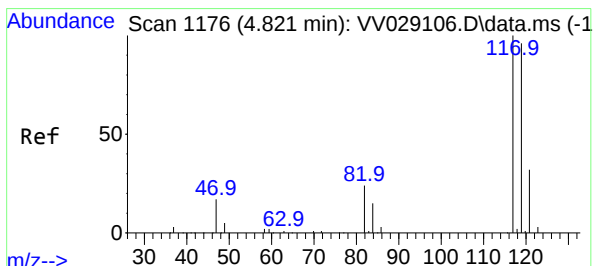
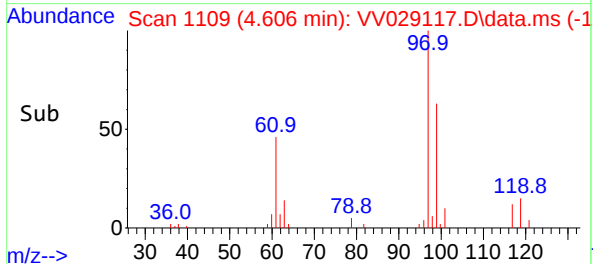
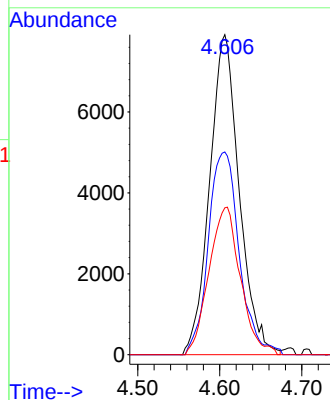
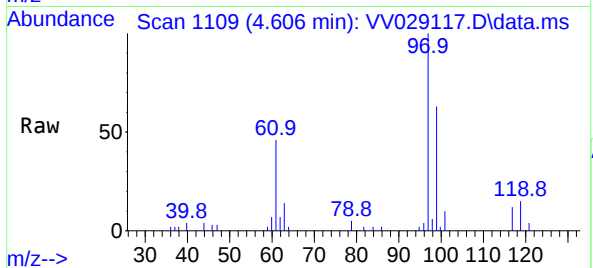
Tgt Ion: 97 Resp: 19837

Ion Ratio Lower Upper

97 100

99 66.3 52.7 79.1

61 49.1 33.8 50.6



#31

Carbon tetrachloride

Concen: 0.103 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.222 min

Lab File: VV029117.D

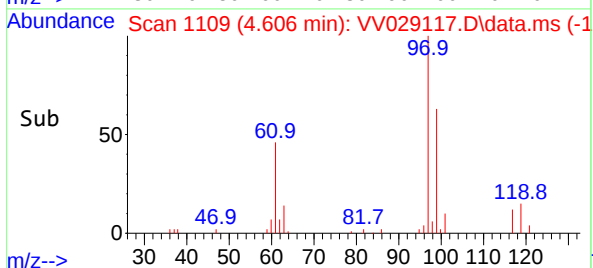
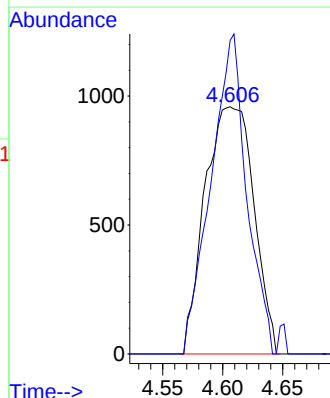
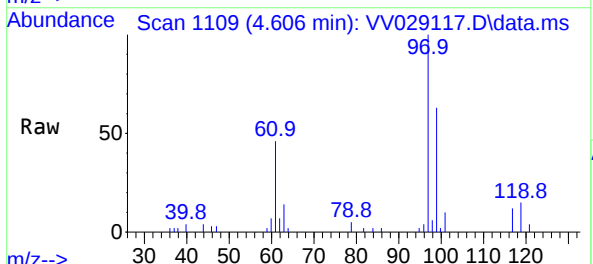
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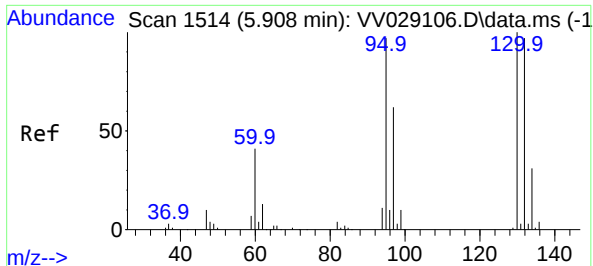
Tgt Ion: 117 Resp: 2718

Ion Ratio Lower Upper

117 100

119 94.8 77.0 115.6

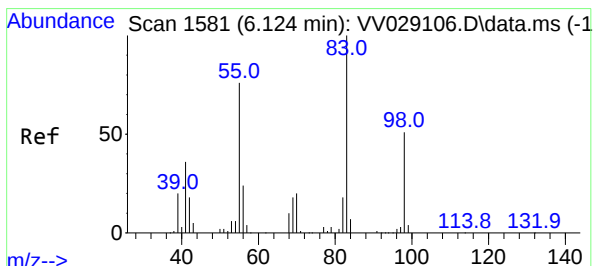
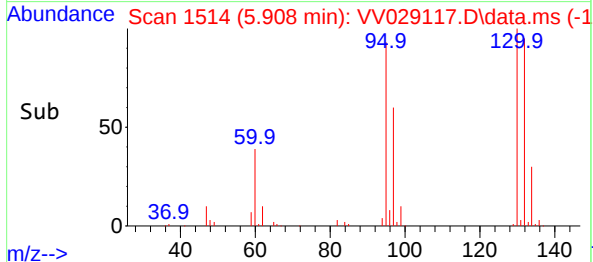
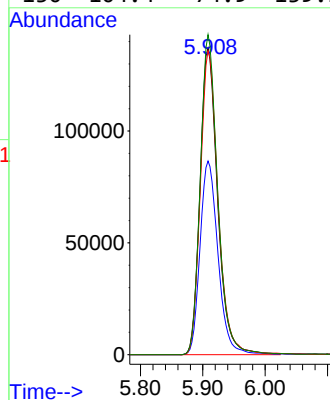
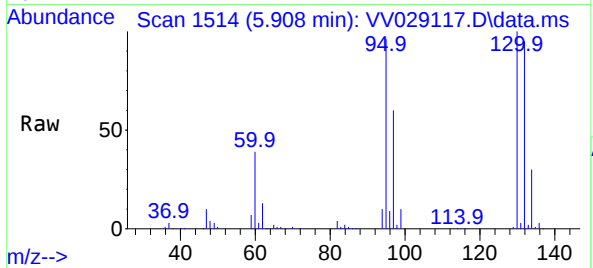




#34
Trichloroethene
Concen: 13.240 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.007 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

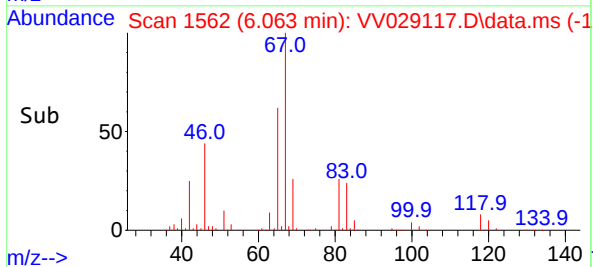
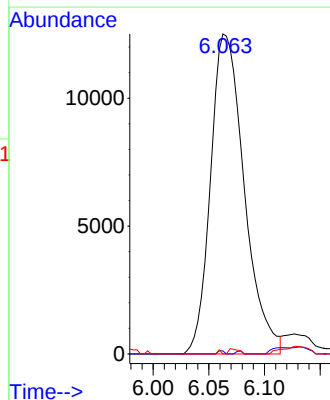
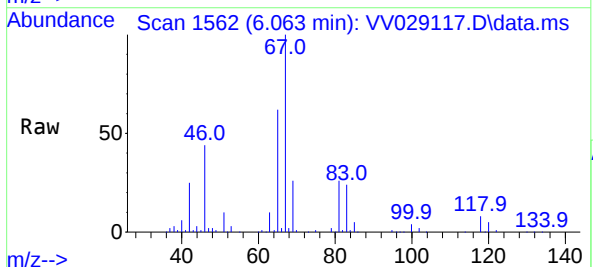
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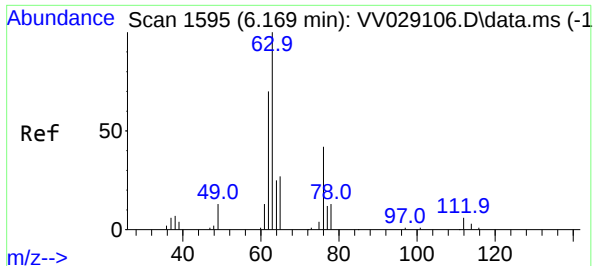
Tgt Ion: 95 Resp: 269776
Ion Ratio Lower Upper
95 100
97 63.2 45.6 84.8
132 99.2 69.1 128.3
130 104.4 74.9 139.1



#35
Methylcyclohexane
Concen: 0.735 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.068 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

Tgt Ion: 83 Resp: 26325
Ion Ratio Lower Upper
83 100
55 0.2 55.8 83.6#
98 1.1 38.2 57.2#

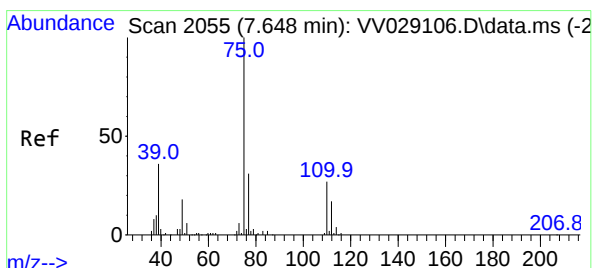
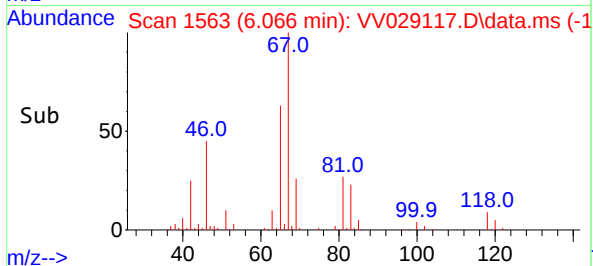
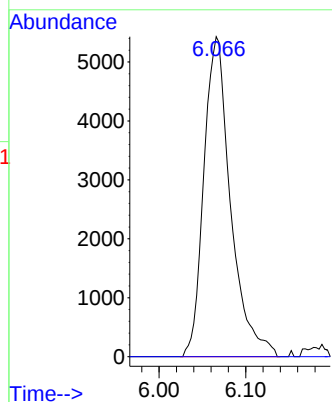
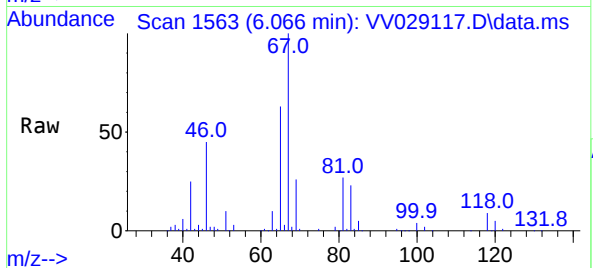




#37
1,2-Dichloropropane
Concen: 0.636 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.106 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

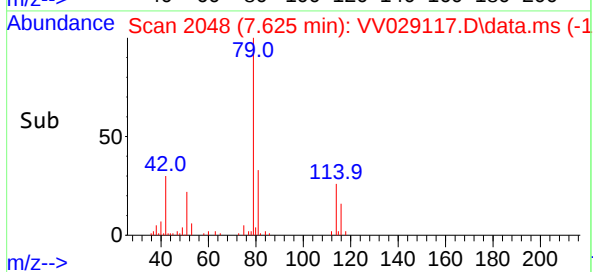
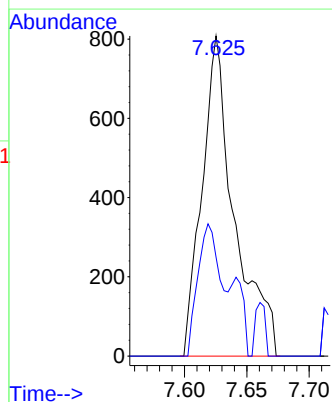
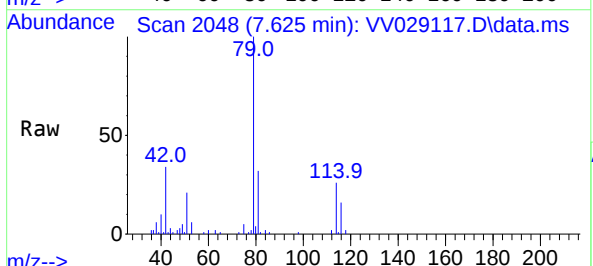
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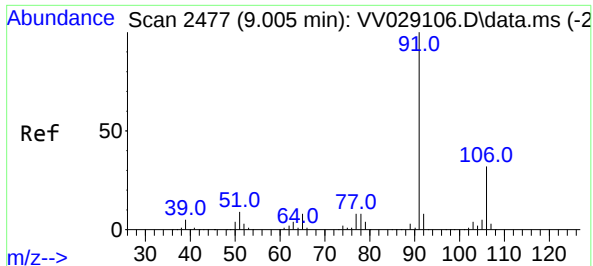
Tgt Ion: 63 Resp: 11681
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#



#44
trans-1,3-Dichloropropene
Concen: 0.073 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.026 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

Tgt Ion: 75 Resp: 1456
Ion Ratio Lower Upper
75 100
77 30.9 22.2 41.2

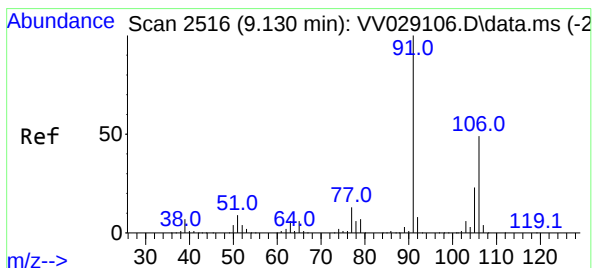
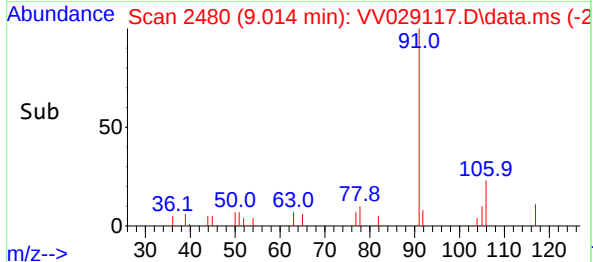
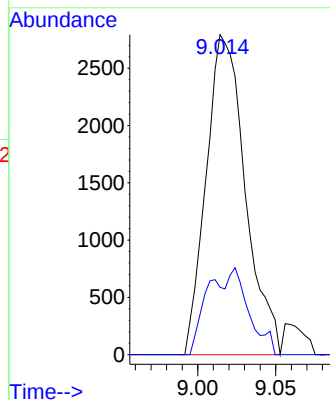
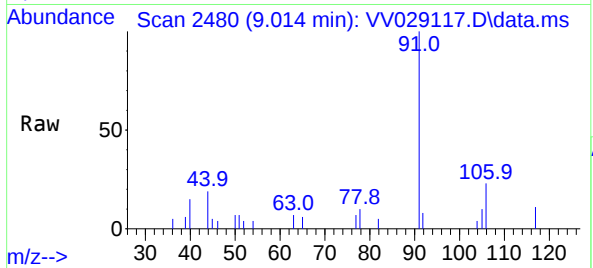




#52
Ethylbenzene
Concen: 0.054 ug/L
RT: 9.014 min Scan# 2477
Delta R.T. 0.006 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

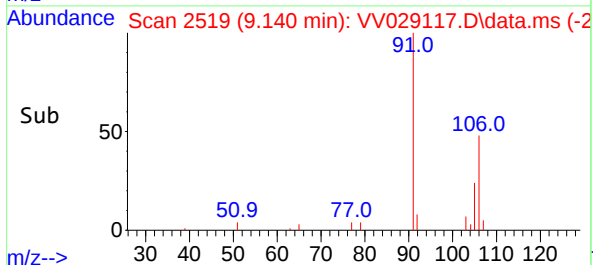
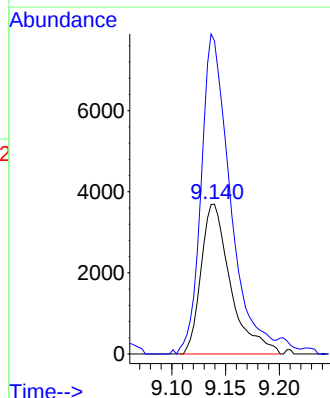
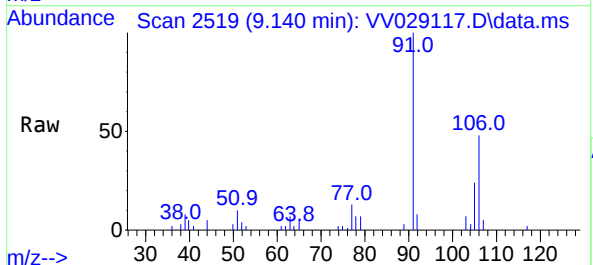
Instrument :
MSVOA_V
ClientSampleId :
BGCD7

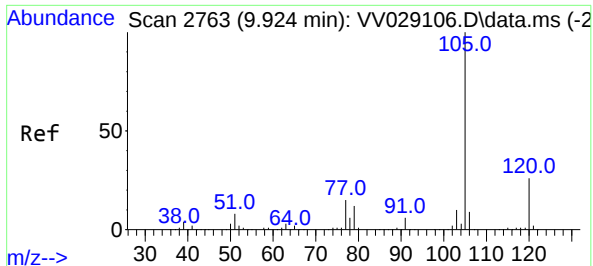
Tgt Ion: 91 Resp: 4863
Ion Ratio Lower Upper
91 100
106 21.1 21.6 40.2#



#53
m,p-Xylene
Concen: 0.199 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.006 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

Tgt Ion: 106 Resp: 7070
Ion Ratio Lower Upper
106 100
91 209.1 139.1 258.3

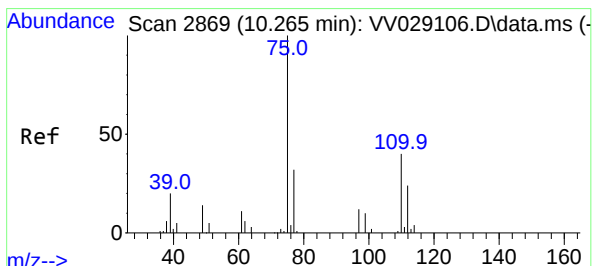
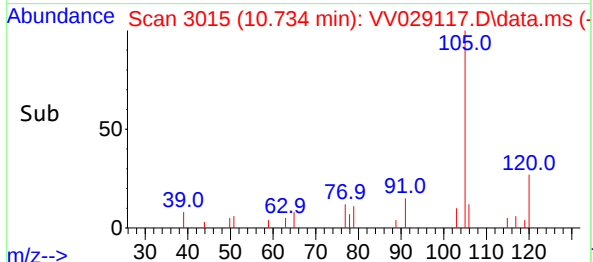
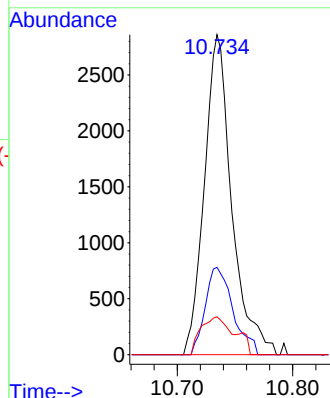
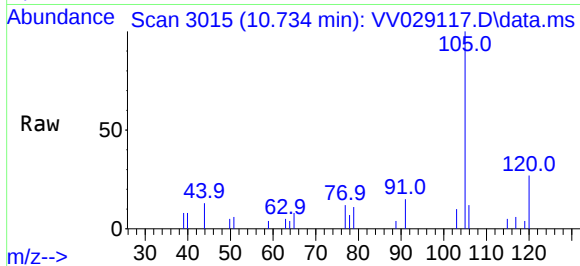




#60
Isopropylbenzene
Concen: 0.064 ug/L
RT: 10.734 min Scan# 3015
Delta R.T. 0.810 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

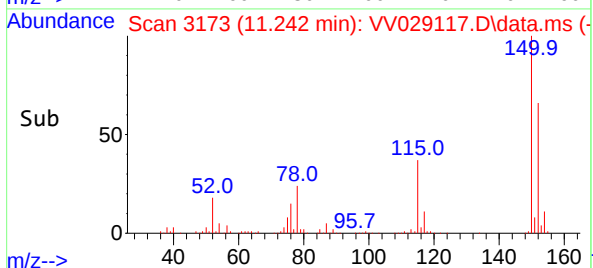
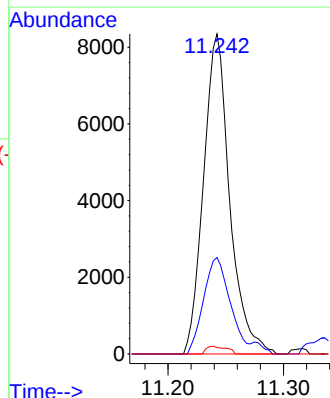
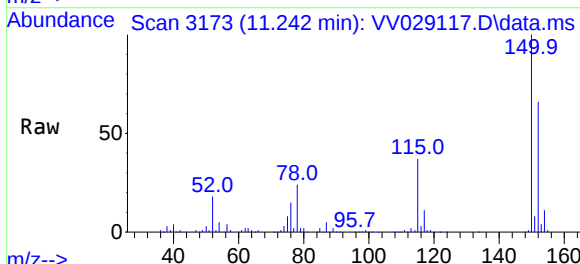
Instrument :
MSVOA_V
ClientSampleId :
BGCD7

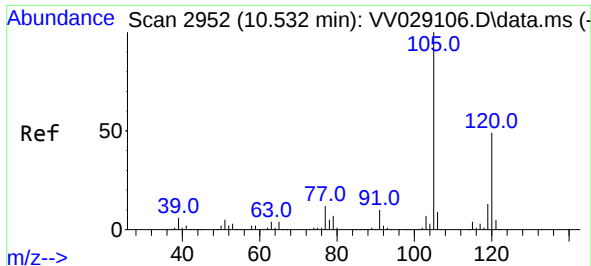
Tgt Ion:	105	Resp:	4704
Ion	Ratio	Lower	Upper
105	100		
120	27.7	21.3	31.9
77	12.3	11.8	17.8



#61
1,2,3-Trichloropropane
Concen: 1.688 ug/L
RT: 11.242 min Scan# 3173
Delta R.T. 0.974 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

Tgt Ion:	75	Resp:	13128
Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.2	39.2
110	1.9	32.6	48.8#

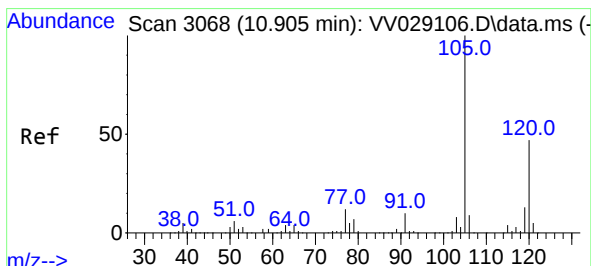
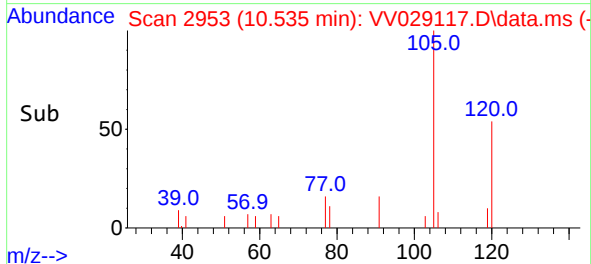
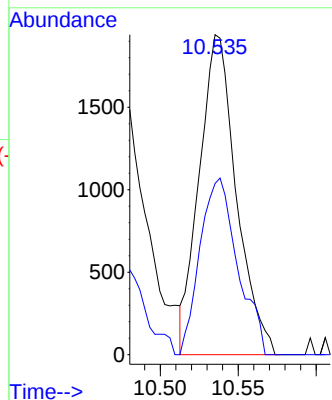
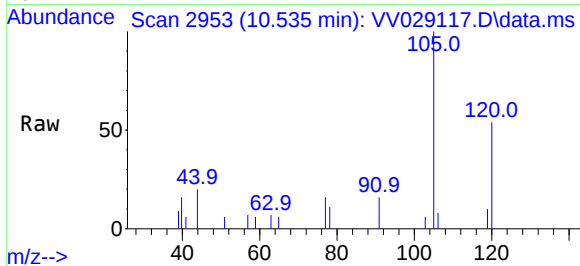




#62
1,3,5-Trimethylbenzene
Concen: 0.051 ug/L
RT: 10.535 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

Instrument :
MSVOA_V
ClientSampleId :
BGCD7

Tgt Ion:105 Resp: 3207
Ion Ratio Lower Upper
105 100
120 56.0 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 0.120 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. 0.006 min
Lab File: VV029117.D
Acq: 18 Nov 2022 14:46

Tgt Ion:105 Resp: 7495
Ion Ratio Lower Upper
105 100
120 49.5 37.8 56.8

