

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029257.D
 Acq On : 21 Nov 2022 05:02
 Operator : SY/MD
 Sample : N5725-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 05:41:15 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	5.609	114	501469	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	447857	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	233793	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	127156	4.159	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.200%
7) Chloroethane-d5	1.564	69	103513	3.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.105	63	167363	3.004	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.000%
20) 2-Butanone-d5	3.883	46	302085	59.028	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.060%
24) Chloroform-d	4.339	84	232336	3.702	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.000%
26) 1,2-Dichloroethane-d4	5.024	65	104364	3.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
32) Benzene-d6	5.043	84	496806	3.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
36) 1,2-Dichloropropane-d6	6.063	67	153646	4.116	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.400%
41) Toluene-d8	7.307	98	436268	3.625	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	7.616	79	51857	4.259	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.082	63	262410	50.496	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.000%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	107177	4.141	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	11.615	152	162344	3.881	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	9340	0.269	ug/L	98
5) Vinyl chloride	1.307	62	978829	24.734	ug/L	99
8) Chloroethane	1.307	64	311039	13.375	ug/L #	45
12) 1,1-Dichloroethene	2.114	96	30017	0.989	ug/L #	1
14) Carbon disulfide	2.294	76	191094	1.773	ug/L	98
17) Methyl tert-butyl Ether	2.761	73	89995	1.383	ug/L	96
18) trans-1,2-Dichloroethene	2.761	96	5061	0.144	ug/L	92
19) 1,1-Dichloroethane	3.182	63	906036	15.741	ug/L	99
22) cis-1,2-Dichloroethene	3.899	96	1177809	32.905	ug/L	97
27) 1,2-Dichloroethane	5.127	62	26128	0.841	ug/L	98
29) 1,1,1-Trichloroethane	4.600	97	239783	4.563	ug/L	99
31) Carbon tetrachloride	4.603	117	32302	0.714	ug/L	99
33) Benzene	5.092	78	204718	1.496	ug/L	100
34) Trichloroethene	5.908	95	44926	1.282	ug/L	96
37) 1,2-Dichloropropane	6.059	63	15191	0.481	ug/L #	85
42) Toluene	7.381	91	412925	2.793	ug/L	99
45) 1,1,2-Trichloroethane	7.693	97	7818	0.378	ug/L #	26
52) Ethylbenzene	9.005	91	662525	4.304	ug/L	100
53) m,p-Xylene	9.127	106	919162	15.015	ug/L	99

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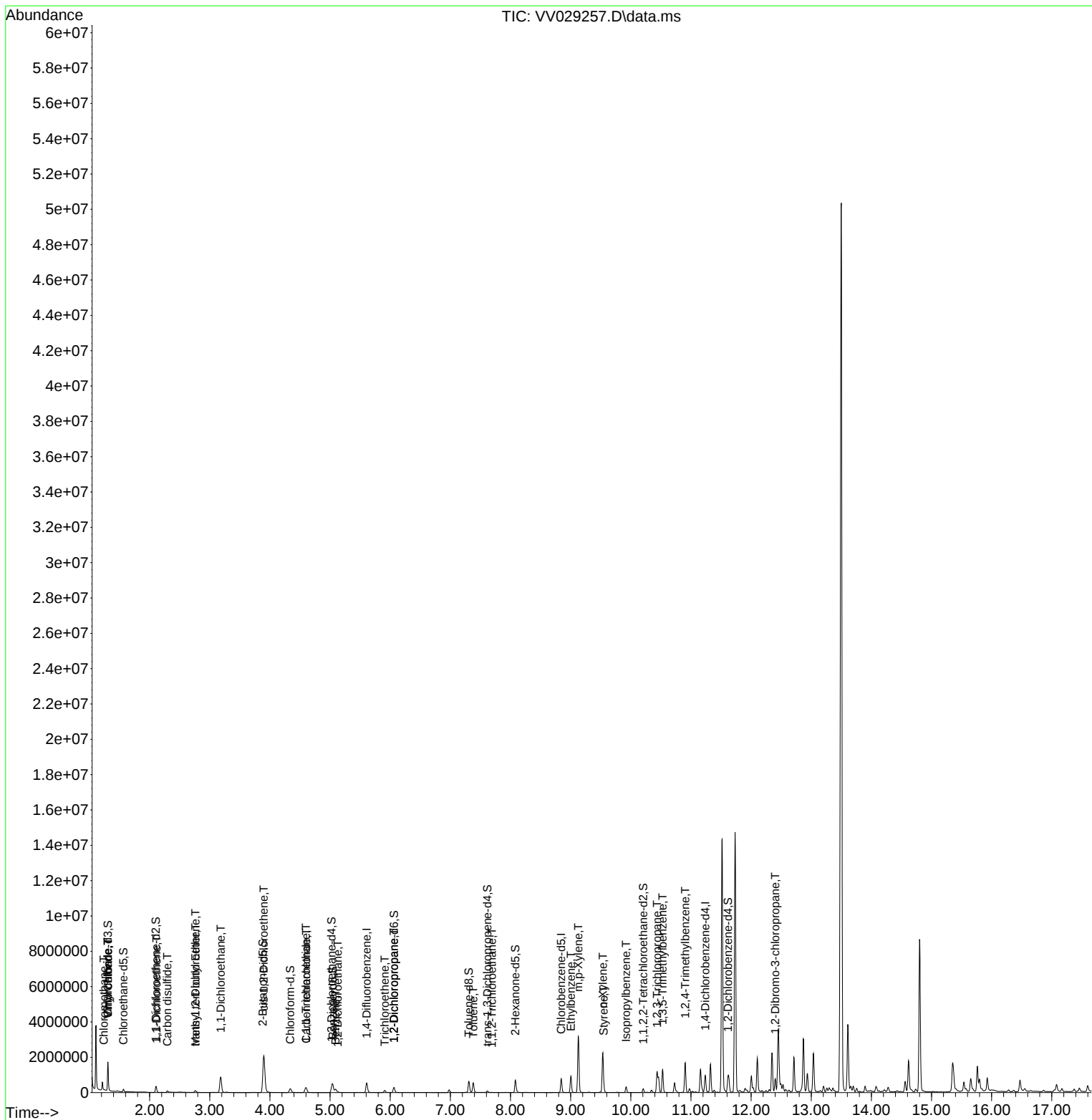
Instrument :
 MSVOA_V
 ClientSampleId :

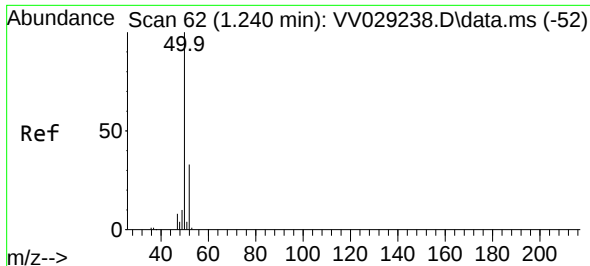
Quant Time: Nov 21 05:41:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 03:37:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.535	106	593885	10.205	ug/L	98
55) Styrene	9.551	104	103393	1.059	ug/L #	64
60) Isopropylbenzene	9.921	105	215872	1.423	ug/L	99
61) 1,2,3-Trichloropropane	10.435	75	5313	0.333	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.529	105	687441	5.347	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	904405	7.023	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.400	75	2080	0.662	ug/L #	2

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

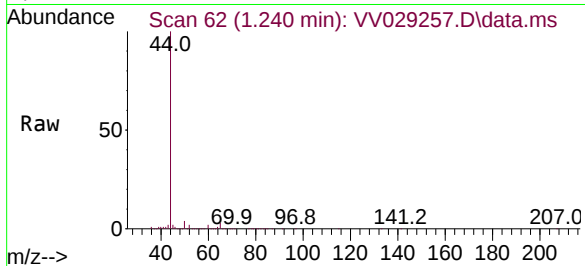
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Quant Title : TRACE VOA SFAM1.0
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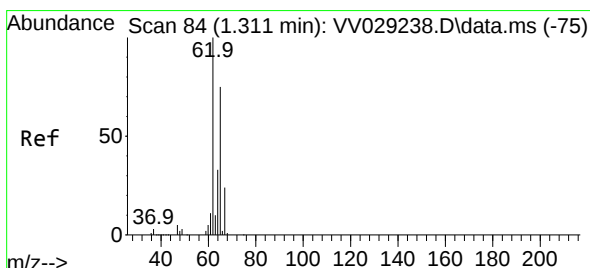
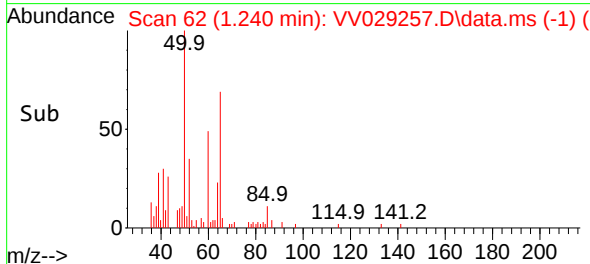
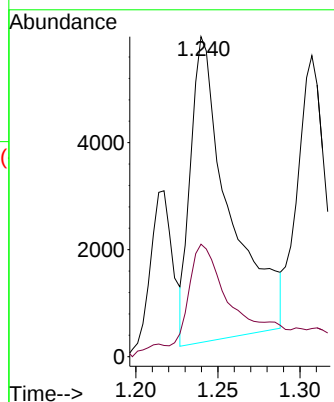


#3
Chloromethane
Concen: 0.269 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

Instrument :
MSVOA_V
ClientSampleId :

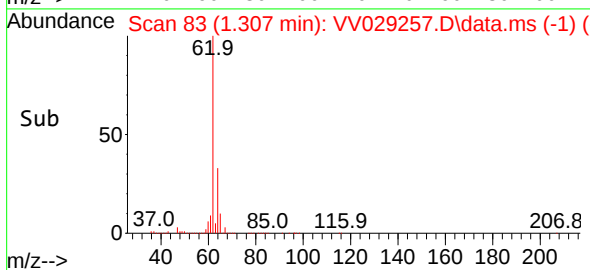
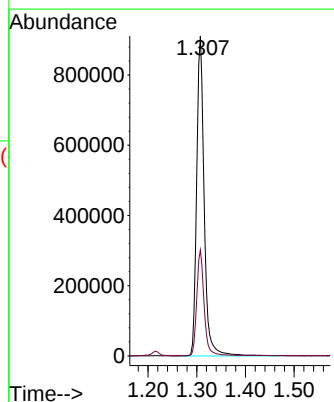
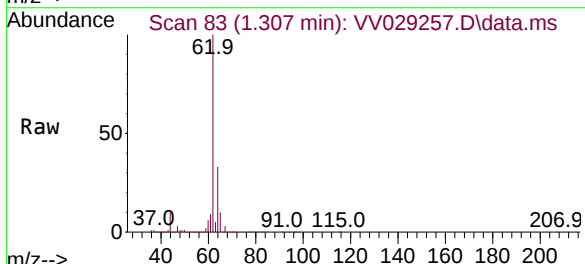


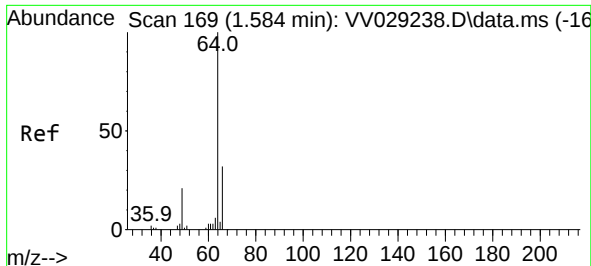
Tgt Ion: 50 Resp: 9340
Ion Ratio Lower Upper
50 100
52 35.1 23.7 43.9



#5
Vinyl chloride
Concen: 24.734 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

Tgt Ion: 62 Resp: 978829
Ion Ratio Lower Upper
62 100
64 33.2 22.8 42.4

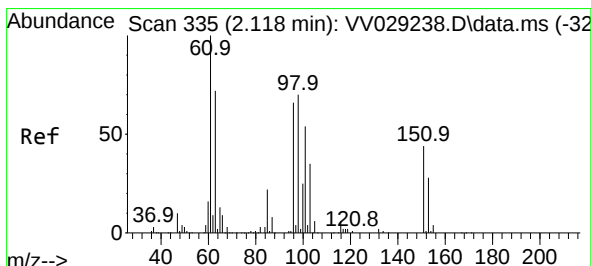
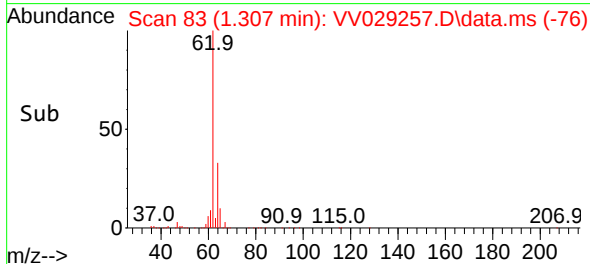
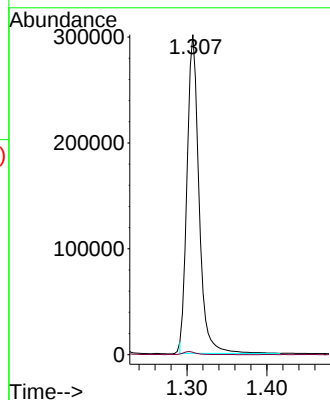
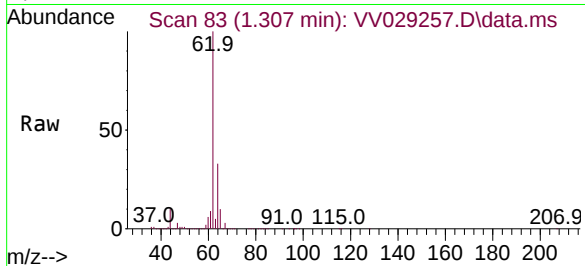




#8
Chloroethane
Concen: 13.375 ug/L
RT: 1.307 min Scan# 81
Delta R.T. -0.277 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

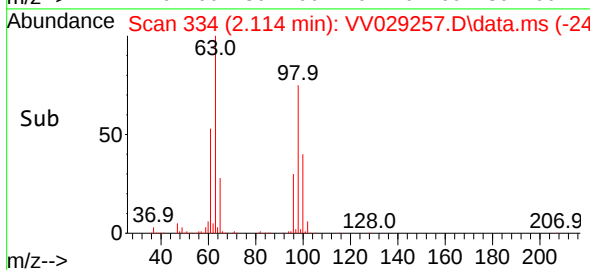
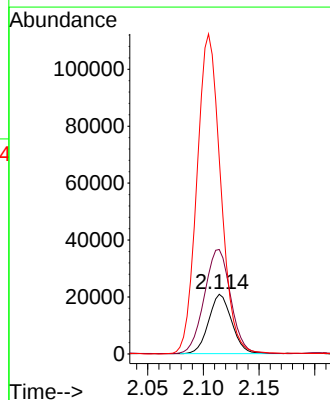
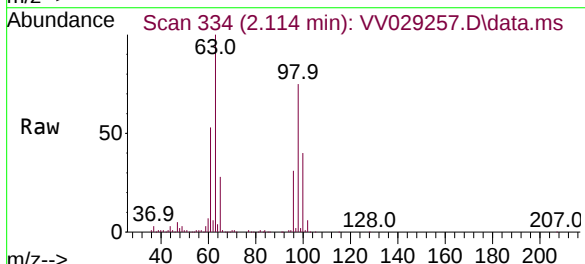
Instrument :
MSVOA_V
ClientSampleId :

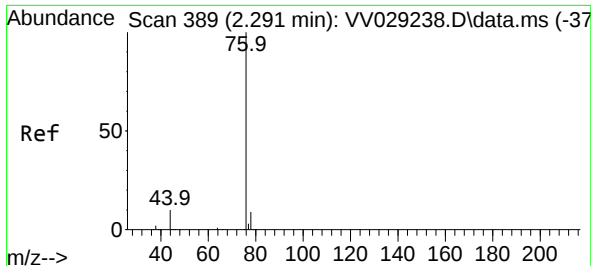
Tgt Ion: 64 Resp: 311039
Ion Ratio Lower Upper
64 100
66 0.8 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 0.989 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

Tgt Ion: 96 Resp: 30017
Ion Ratio Lower Upper
96 100
61 175.1 104.2 193.4
63 327.9 75.9 140.9#

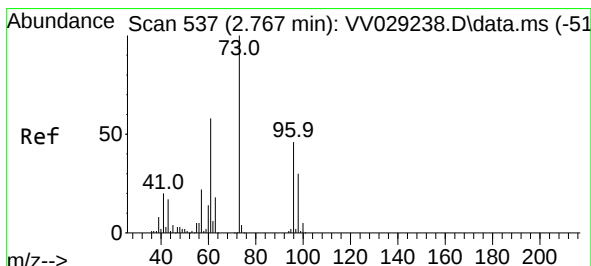
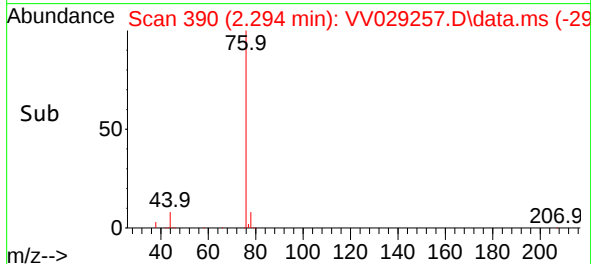
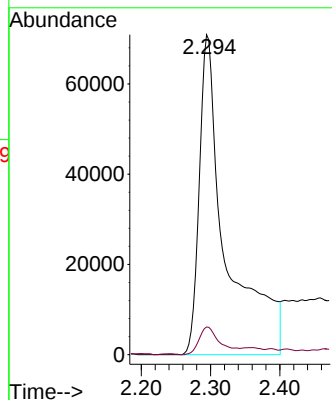
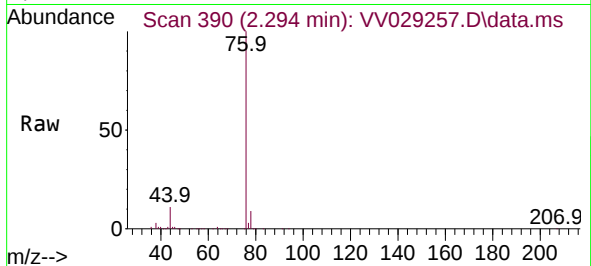




#14
Carbon disulfide
Concen: 1.773 ug/L
RT: 2.294 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

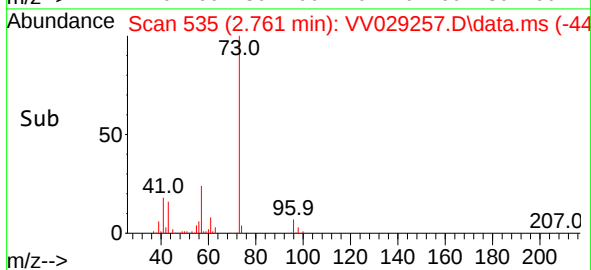
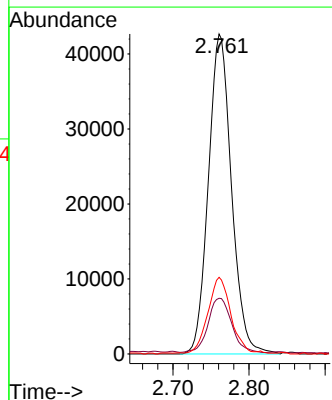
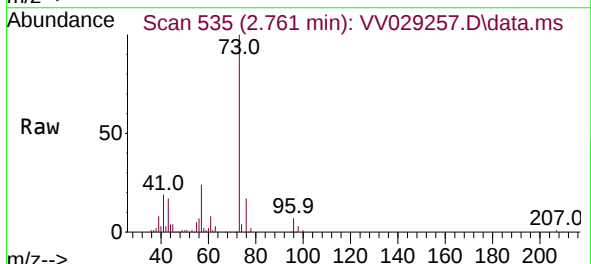
Instrument :
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ClientSampleId :

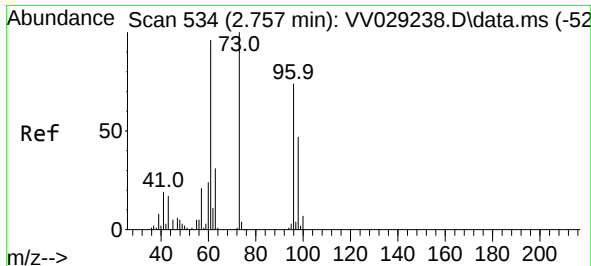
Tgt Ion: 76 Resp: 191094
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#17
Methyl tert-butyl Ether
Concen: 1.383 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.007 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

Tgt Ion: 73 Resp: 89995
Ion Ratio Lower Upper
73 100
43 17.4 13.0 19.4
57 23.2 16.6 24.8

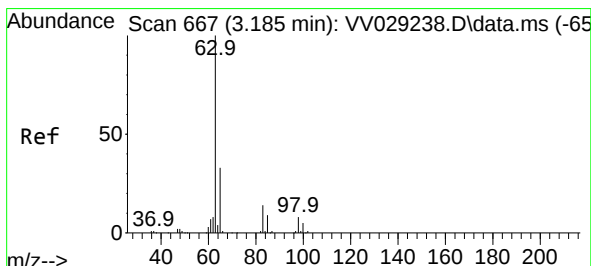
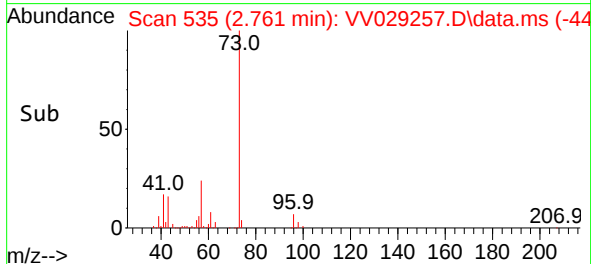
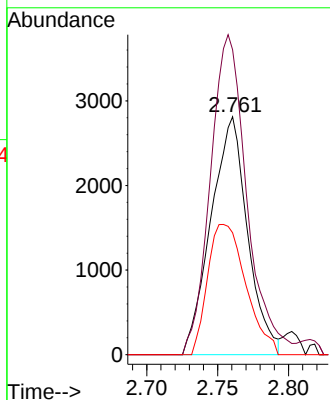
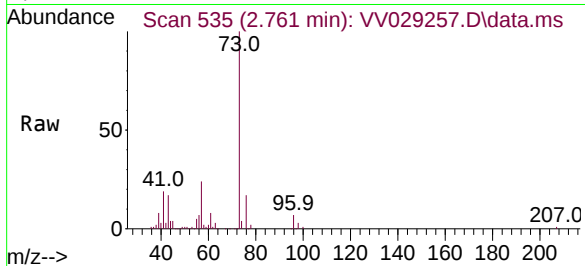




#18
trans-1,2-Dichloroethene
Concen: 0.144 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

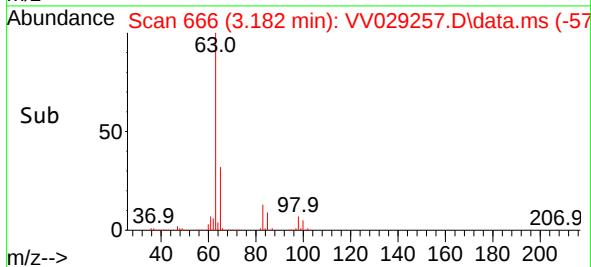
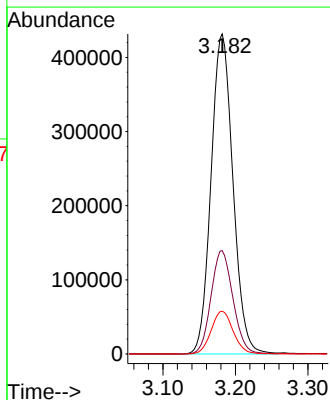
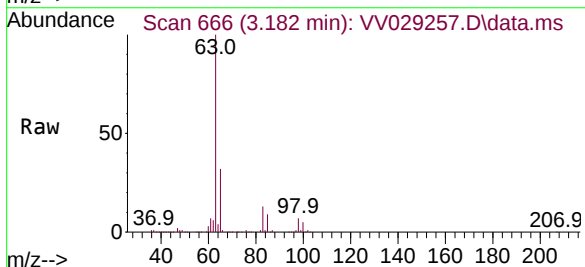
Instrument :
MSVOA_V
ClientSampleId :

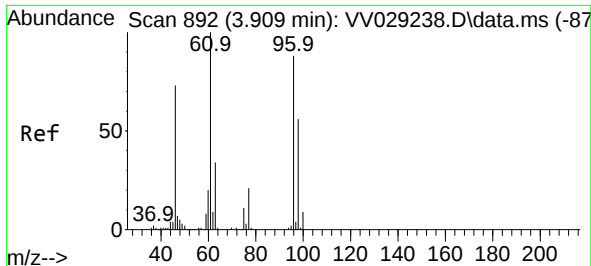
Tgt Ion: 96 Resp: 5061
Ion Ratio Lower Upper
96 100
61 128.2 91.8 170.6
98 51.3 46.4 86.2



#19
1,1-Dichloroethane
Concen: 15.741 ug/L
RT: 3.182 min Scan# 666
Delta R.T. -0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

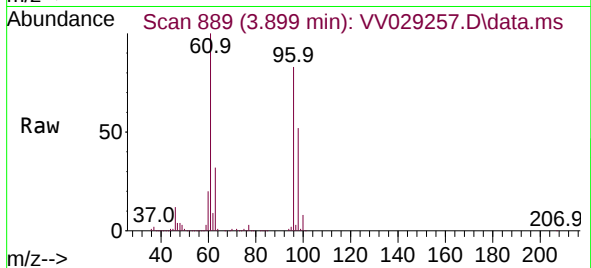
Tgt Ion: 63 Resp: 906036
Ion Ratio Lower Upper
63 100
65 32.3 23.0 42.6
83 13.4 9.4 17.6





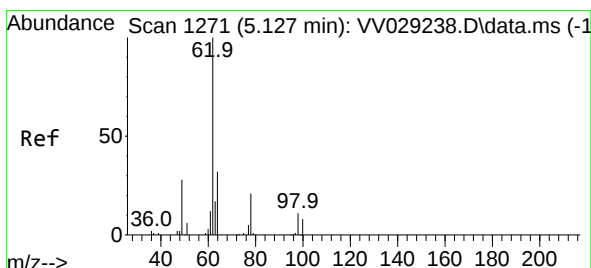
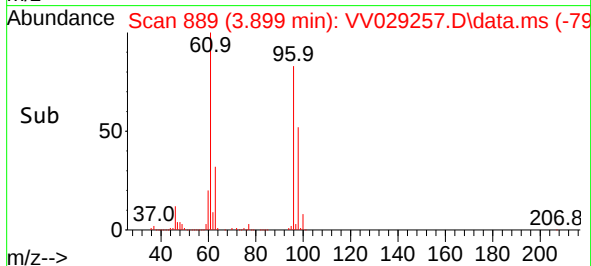
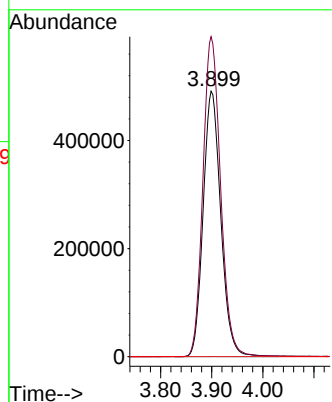
#22
 cis-1,2-Dichloroethene
 Concen: 32.905 ug/L
 RT: 3.899 min Scan# 892
 Delta R.T. -0.010 min
 Lab File: VV029257.D
 Acq: 21 Nov 2022 05:02

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 1177809

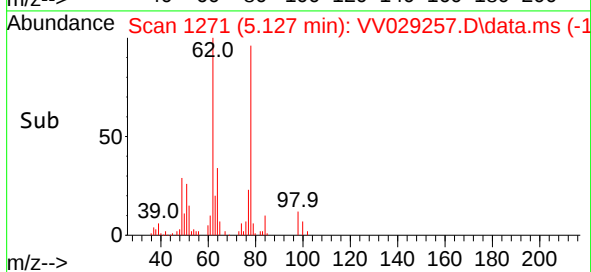
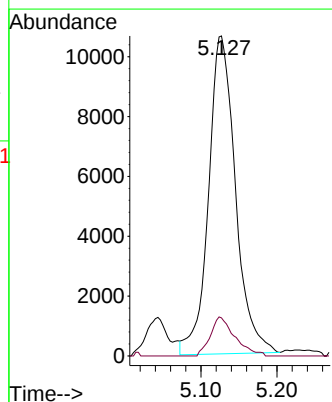
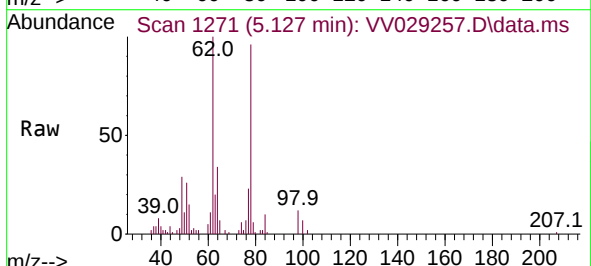
Ion	Ratio	Lower	Upper
96	100		
61	120.5	82.3	152.9
68	0.0	0.0	0.0

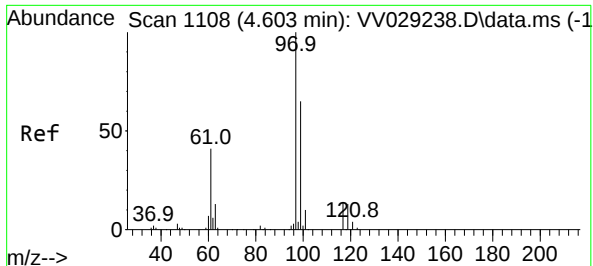


#27
 1,2-Dichloroethane
 Concen: 0.841 ug/L
 RT: 5.127 min Scan# 1271
 Delta R.T. -0.000 min
 Lab File: VV029257.D
 Acq: 21 Nov 2022 05:02

Tgt Ion: 62 Resp: 26128

Ion	Ratio	Lower	Upper
62	100		
98	11.9	9.0	13.6





#29

1,1,1-Trichloroethane

Concen: 4.563 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Instrument :

MSVOA_V

ClientSampleId :

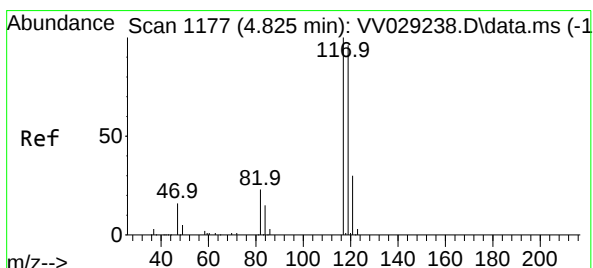
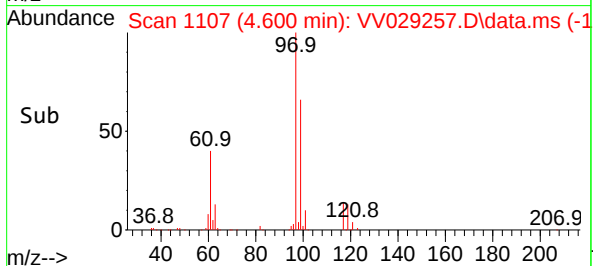
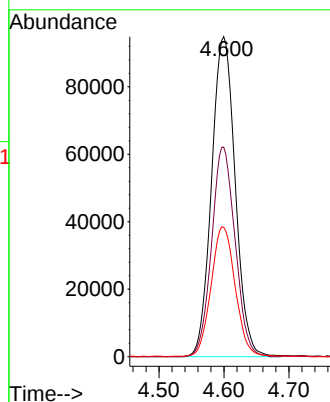
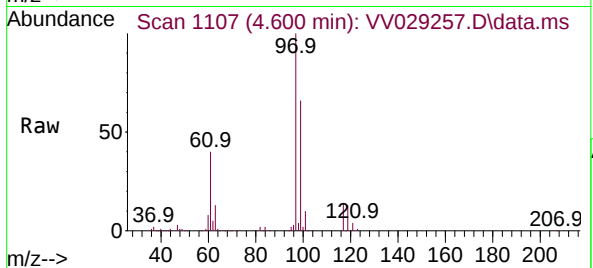
Tgt Ion: 97 Resp: 239783

Ion Ratio Lower Upper

97 100

99 65.1 52.7 79.1

61 40.9 33.8 50.6



#31

Carbon tetrachloride

Concen: 0.714 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.222 min

Lab File: VV029257.D

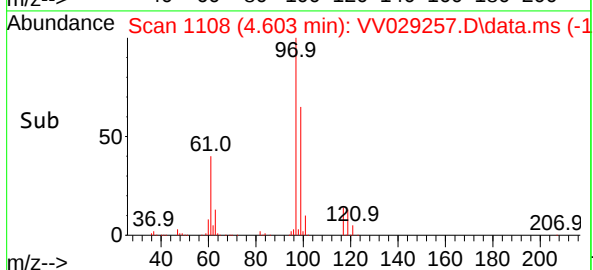
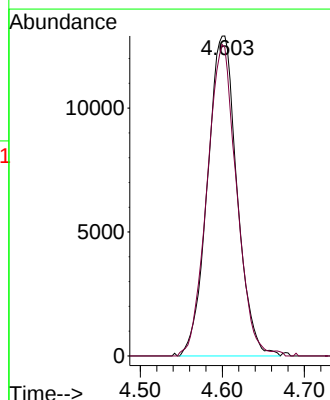
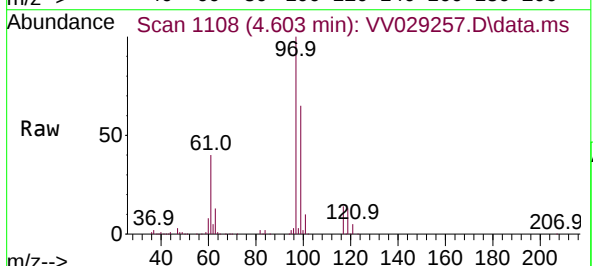
Acq: 21 Nov 2022 05:02

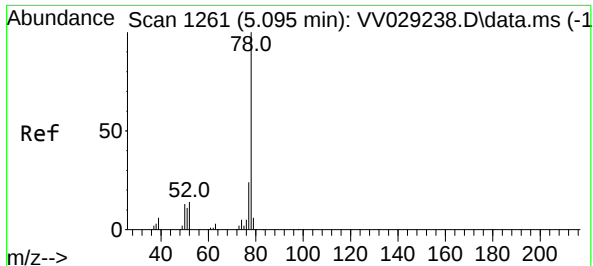
Tgt Ion: 117 Resp: 32302

Ion Ratio Lower Upper

117 100

119 97.0 77.0 115.6





#33

Benzene

Concen: 1.496 ug/L

RT: 5.092 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029257.D

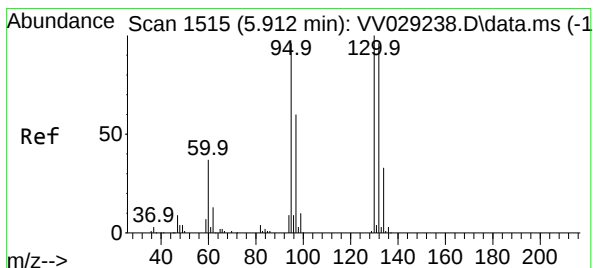
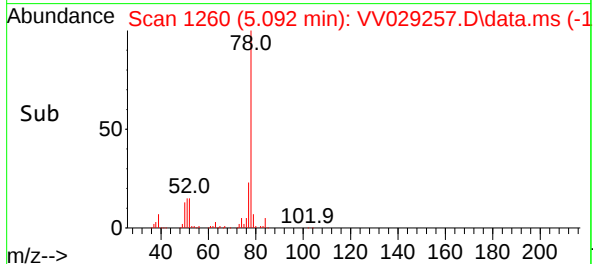
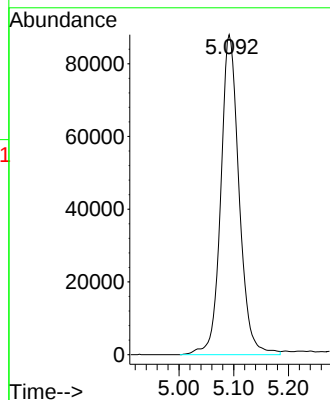
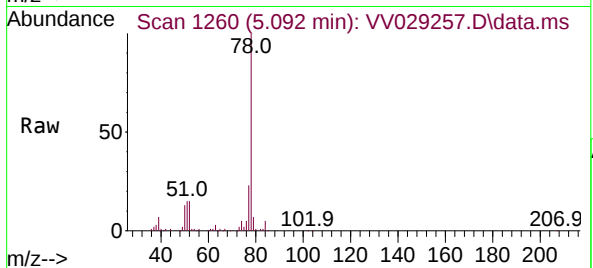
Acq: 21 Nov 2022 05:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 204718



#34

Trichloroethene

Concen: 1.282 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.003 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Tgt Ion: 95 Resp: 44926

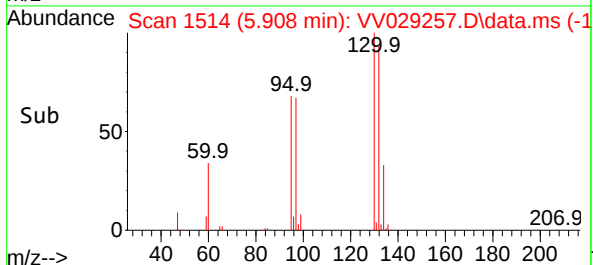
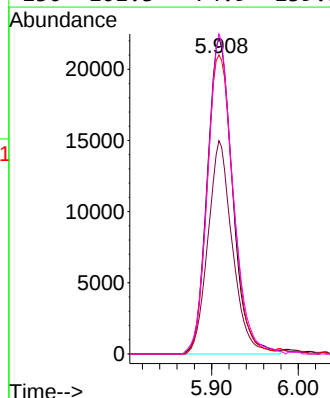
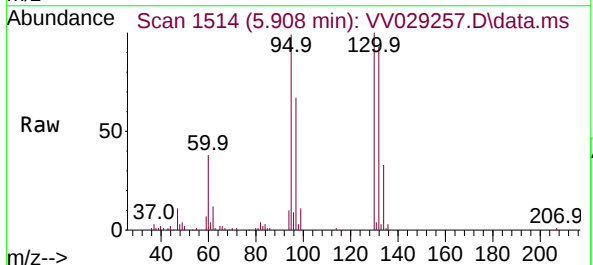
Ion Ratio Lower Upper

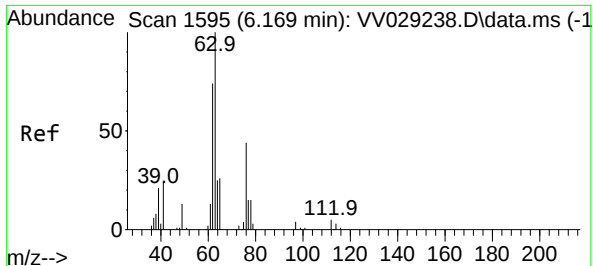
95 100

97 67.6 45.6 84.8

132 94.7 69.1 128.3

130 101.3 74.9 139.1





#37

1,2-Dichloropropane

Concen: 0.481 ug/L

RT: 6.059 min Scan# 1

Delta R.T. -0.109 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Instrument :

MSVOA_V

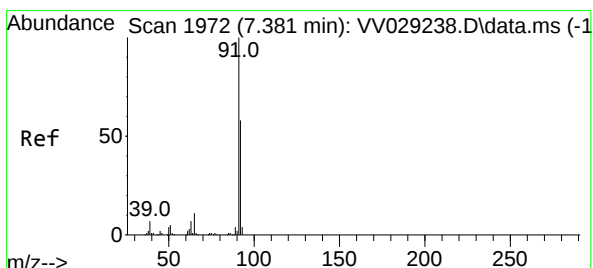
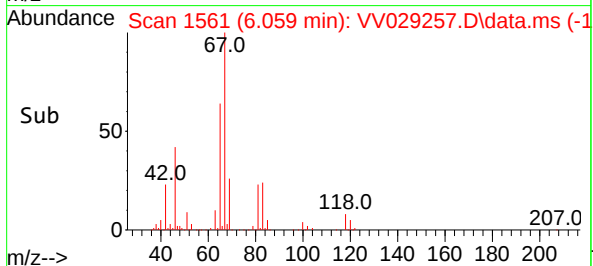
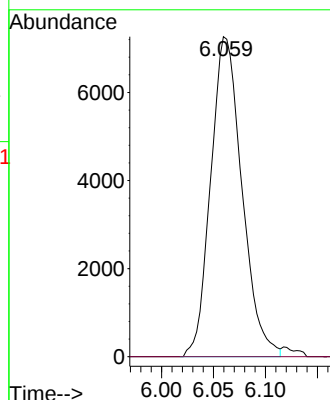
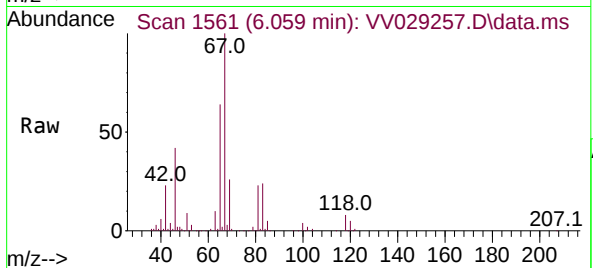
ClientSampleId :

Tgt Ion: 63 Resp: 15191

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#42

Toluene

Concen: 2.793 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. -0.000 min

Lab File: VV029257.D

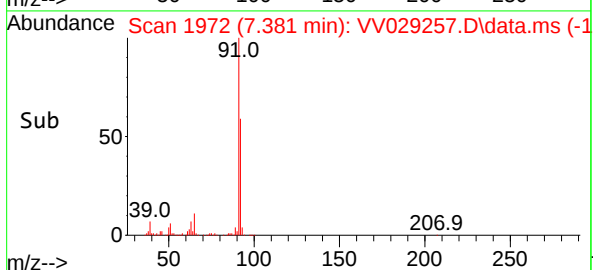
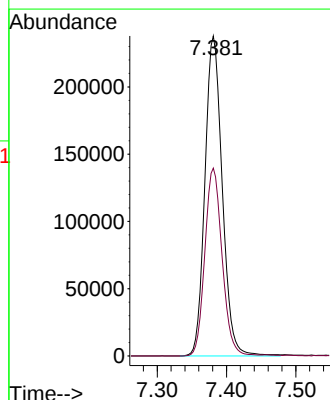
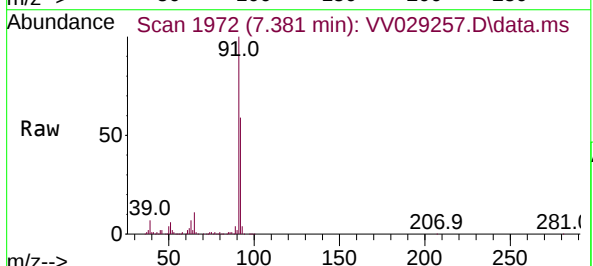
Acq: 21 Nov 2022 05:02

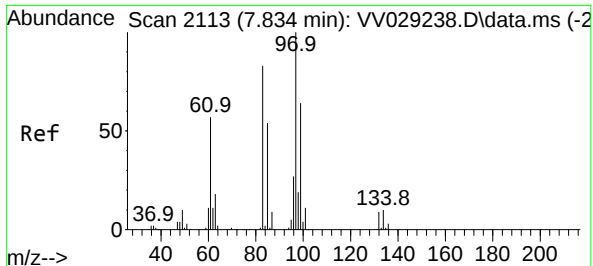
Tgt Ion: 91 Resp: 412925

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.5





#45

1,1,2-Trichloroethane

Concen: 0.378 ug/L

RT: 7.693 min Scan# 2069

Delta R.T. -0.142 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 7818

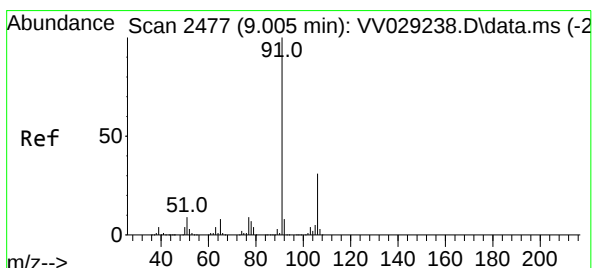
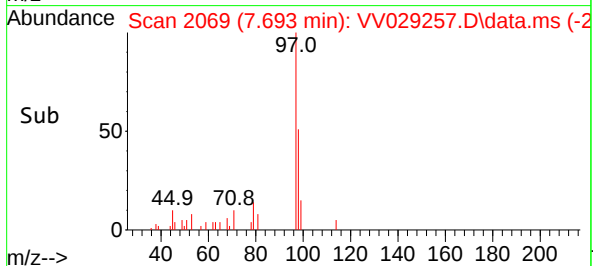
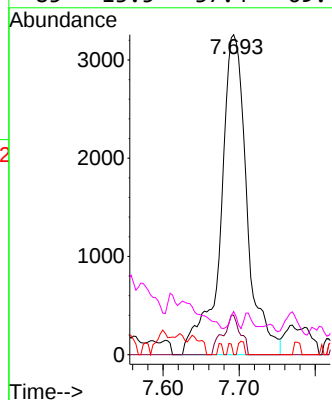
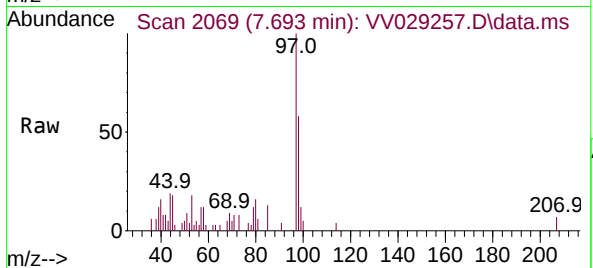
Ion Ratio Lower Upper

97 100

99 12.4 41.5 77.1#

83 0.0 60.0 111.4#

85 13.5 37.4 69.4#



#52

Ethylbenzene

Concen: 4.304 ug/L

RT: 9.005 min Scan# 2477

Delta R.T. -0.000 min

Lab File: VV029257.D

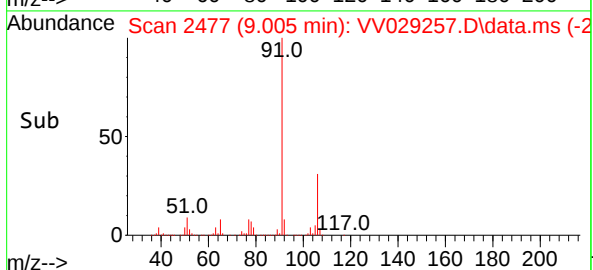
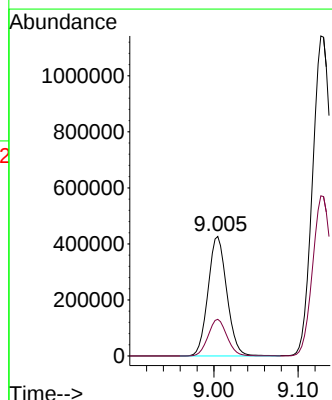
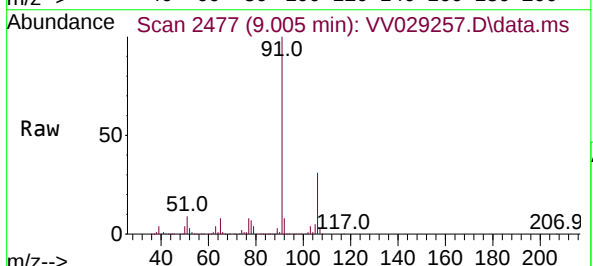
Acq: 21 Nov 2022 05:02

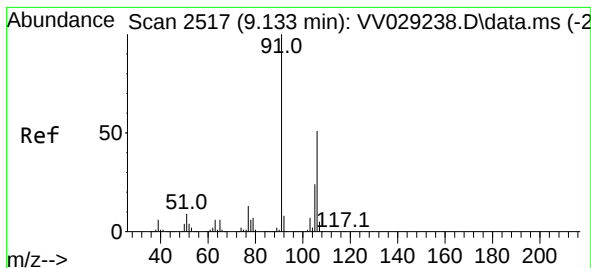
Tgt Ion: 91 Resp: 662525

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.2





#53

m,p-Xylene

Concen: 15.015 ug/L

RT: 9.127 min Scan# 2515

Delta R.T. -0.007 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Instrument :

MSVOA_V

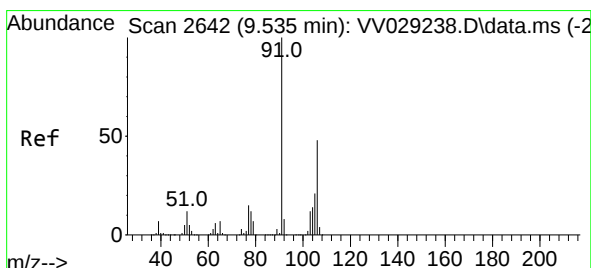
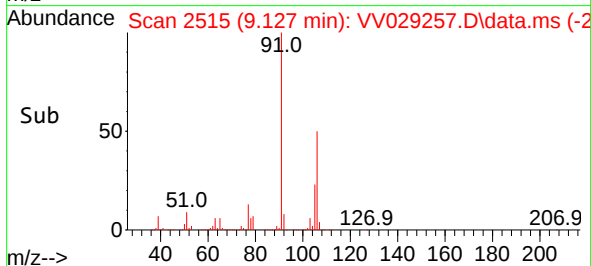
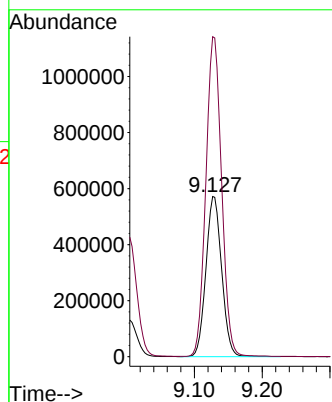
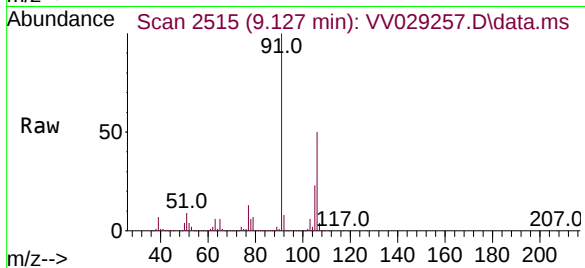
ClientSampleId :

Tgt Ion:106 Resp: 919162

Ion Ratio Lower Upper

106 100

91 199.8 139.1 258.3



#54

o-Xylene

Concen: 10.205 ug/L

RT: 9.535 min Scan# 2642

Delta R.T. -0.000 min

Lab File: VV029257.D

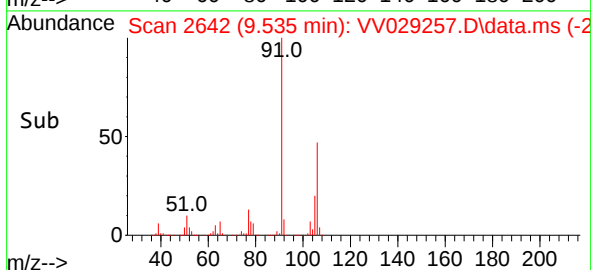
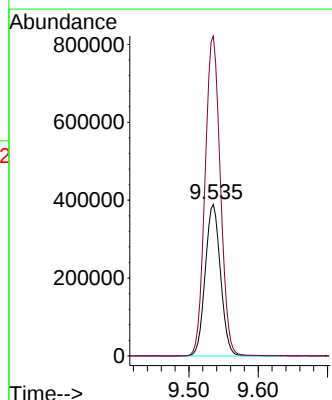
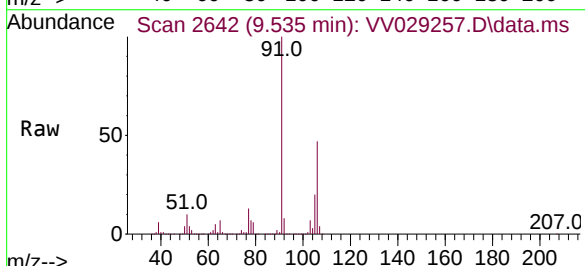
Acq: 21 Nov 2022 05:02

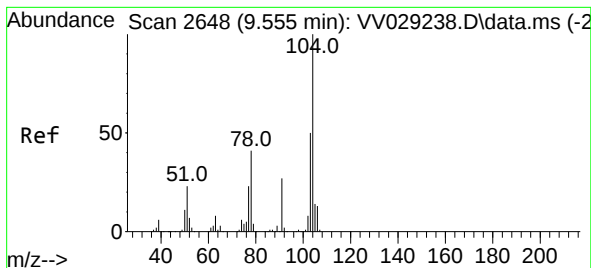
Tgt Ion:106 Resp: 593885

Ion Ratio Lower Upper

106 100

91 211.2 145.7 270.7





#55

Styrene

Concen: 1.059 ug/L

RT: 9.551 min Scan# 2

Delta R.T. -0.003 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Instrument :

MSVOA_V

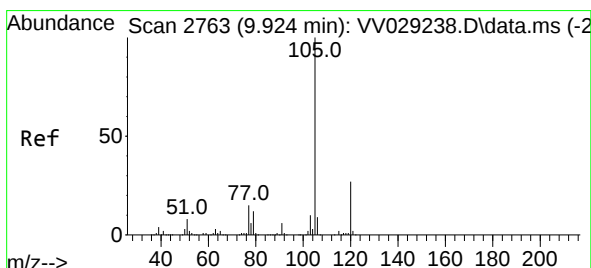
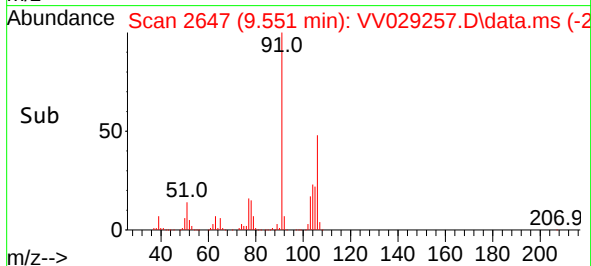
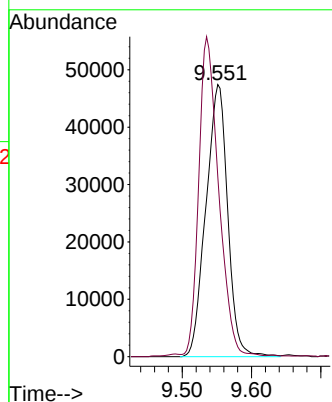
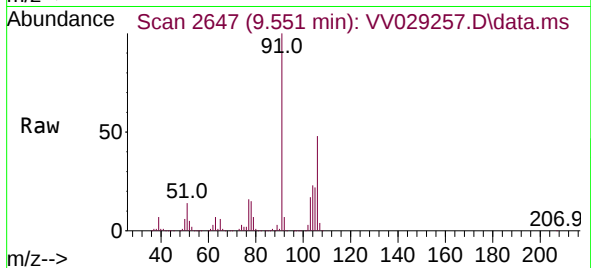
ClientSampleId :

Tgt Ion:104 Resp: 103393

Ion Ratio Lower Upper

104 100

78 66.1 30.1 55.9#



#60

Isopropylbenzene

Concen: 1.423 ug/L

RT: 9.921 min Scan# 2762

Delta R.T. -0.003 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

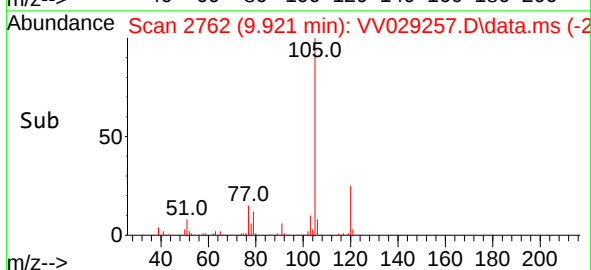
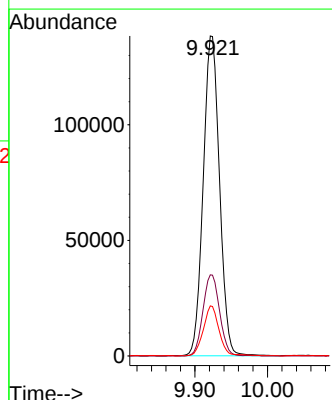
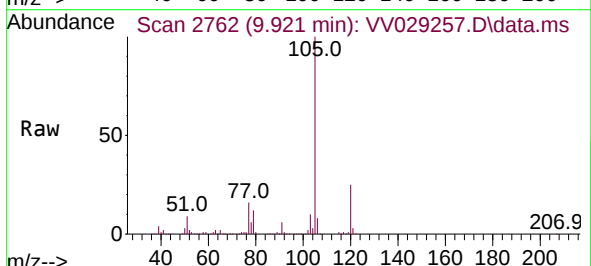
Tgt Ion:105 Resp: 215872

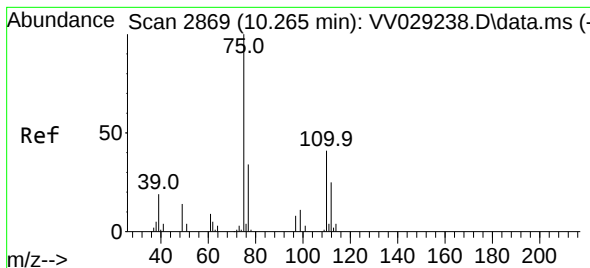
Ion Ratio Lower Upper

105 100

120 25.9 21.3 31.9

77 15.3 11.8 17.8





#61

1,2,3-Trichloropropane

Concen: 0.333 ug/L

RT: 10.435 min Scan# 2922

Delta R.T. 0.170 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

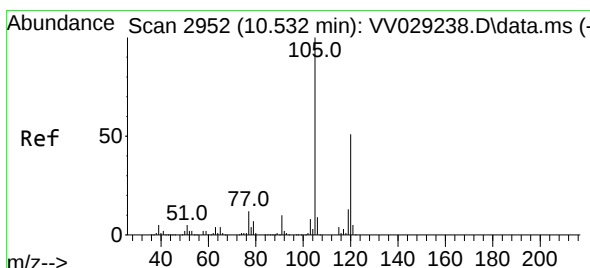
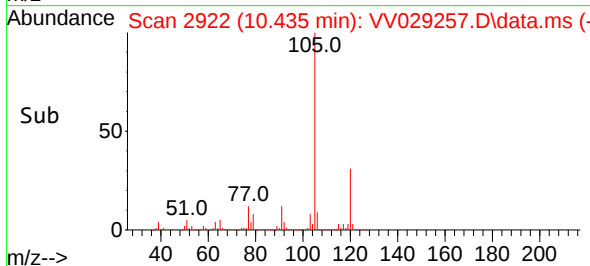
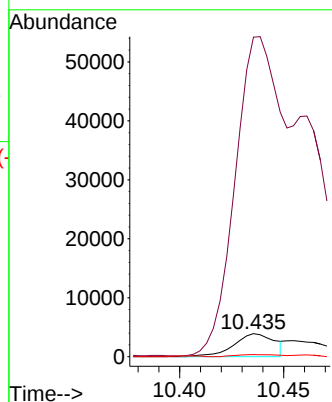
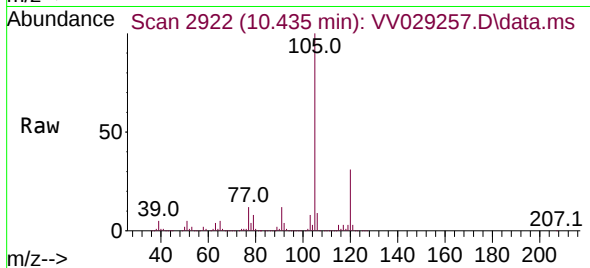
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 75 Resp: 5313

Ion	Ratio	Lower	Upper
75	100		
77	1574.0	26.2	39.2#
110	0.0	32.6	48.8#



#62

1,3,5-Trimethylbenzene

Concen: 5.347 ug/L

RT: 10.529 min Scan# 2951

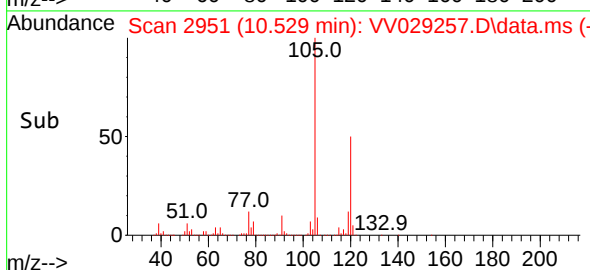
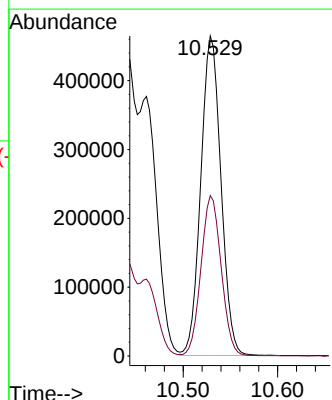
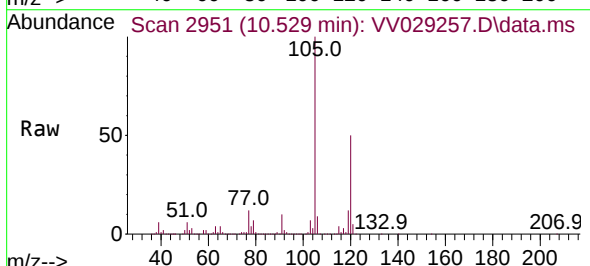
Delta R.T. -0.003 min

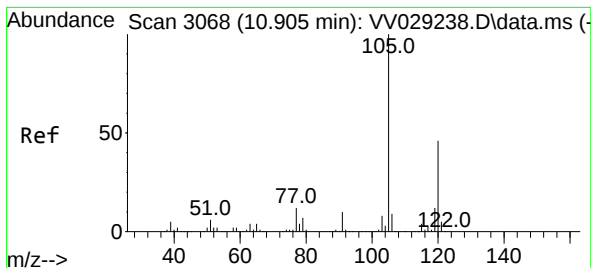
Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Tgt Ion: 105 Resp: 687441

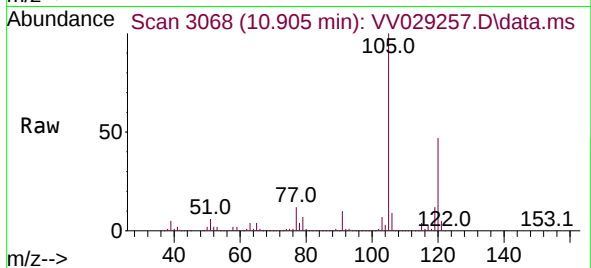
Ion	Ratio	Lower	Upper
105	100		
120	50.3	39.9	59.9



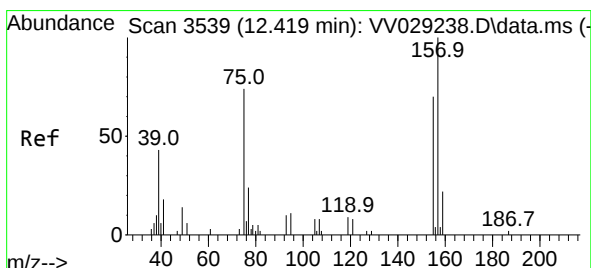
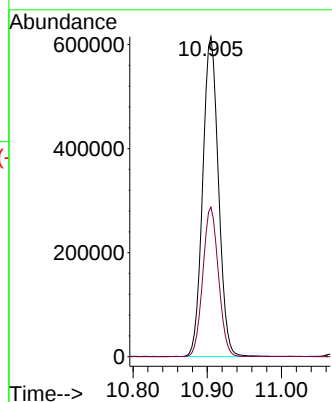
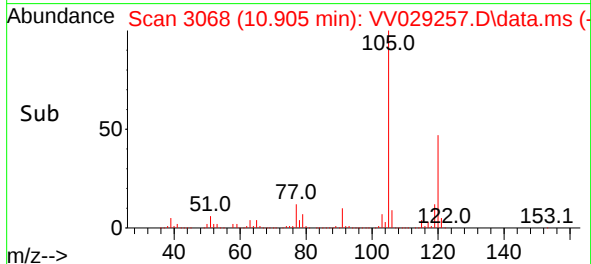


#63
 1,2,4-Trimethylbenzene
 Concen: 7.023 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. -0.000 min
 Lab File: VV029257.D
 Acq: 21 Nov 2022 05:02

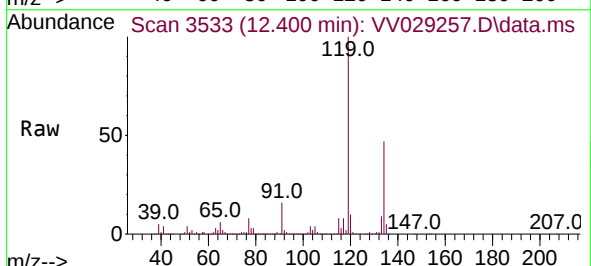
Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:105 Resp: 904405
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.8 56.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.662 ug/L
 RT: 12.400 min Scan# 3533
 Delta R.T. -0.019 min
 Lab File: VV029257.D
 Acq: 21 Nov 2022 05:02



Tgt Ion: 75 Resp: 2080
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.8 97.2#
 157 0.0 86.3 129.5#

