

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VW029337.D
 Acq On : 24 Nov 2022 09:19
 Operator : SY/MD
 Sample : N5725-08DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 25 00:24:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 04:08:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	244505	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	217882	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	119510	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	84545	5.619	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.400%
7) Chloroethane-d5	1.565	69	66122	6.003	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.000%
11) 1,1-Dichloroethene-d2	2.105	63	102265	4.247	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	3.896	46	158003	62.771	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.540%
24) Chloroform-d	4.339	84	148144	5.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.400%
26) 1,2-Dichloroethane-d4	5.024	65	68915	5.832	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.600%
32) Benzene-d6	5.044	84	330681	5.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.800%
36) 1,2-Dichloropropane-d6	6.063	67	96485	5.702	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.000%
41) Toluene-d8	7.307	98	306719	5.397	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.000%
43) trans-1,3-Dichloroprop...	7.616	79	32251	4.944	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.800%
46) 2-Hexanone-d5	8.085	63	134118	57.675	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.340%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	59962	5.743	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.800%
66) 1,2-Dichlorobenzene-d4	11.612	152	116454	5.578	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	2573	0.141	ug/L	98
3) Chloromethane	1.240	50	1261	0.075	ug/L	99
5) Vinyl chloride	1.311	62	105186	6.315	ug/L	100
8) Chloroethane	1.311	64	34279	3.463	ug/L #	47
12) 1,1-Dichloroethene	2.114	96	3630	0.289	ug/L #	1
16) Methylene chloride	2.503	84	11871	0.618	ug/L	95
17) Methyl tert-butyl Ether	2.770	73	9890	0.308	ug/L	96
18) trans-1,2-Dichloroethene	2.757	96	660	0.046	ug/L	85
19) 1,1-Dichloroethane	3.182	63	93158	3.587	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	120852	7.322	ug/L	95
27) 1,2-Dichloroethane	5.130	62	2918	0.199	ug/L	95
29) 1,1,1-Trichloroethane	4.603	97	26783	1.069	ug/L	99
31) Carbon tetrachloride	4.600	117	3429	0.162	ug/L	97
33) Benzene	5.098	78	21645	0.332	ug/L	100
34) Trichloroethene	5.912	95	4768	0.287	ug/L	96
35) Methylcyclohexane	6.063	83	22915	0.817	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	10124	0.659	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2445	0.109	ug/L #	70
42) Toluene	7.384	91	42797	0.612	ug/L	98

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

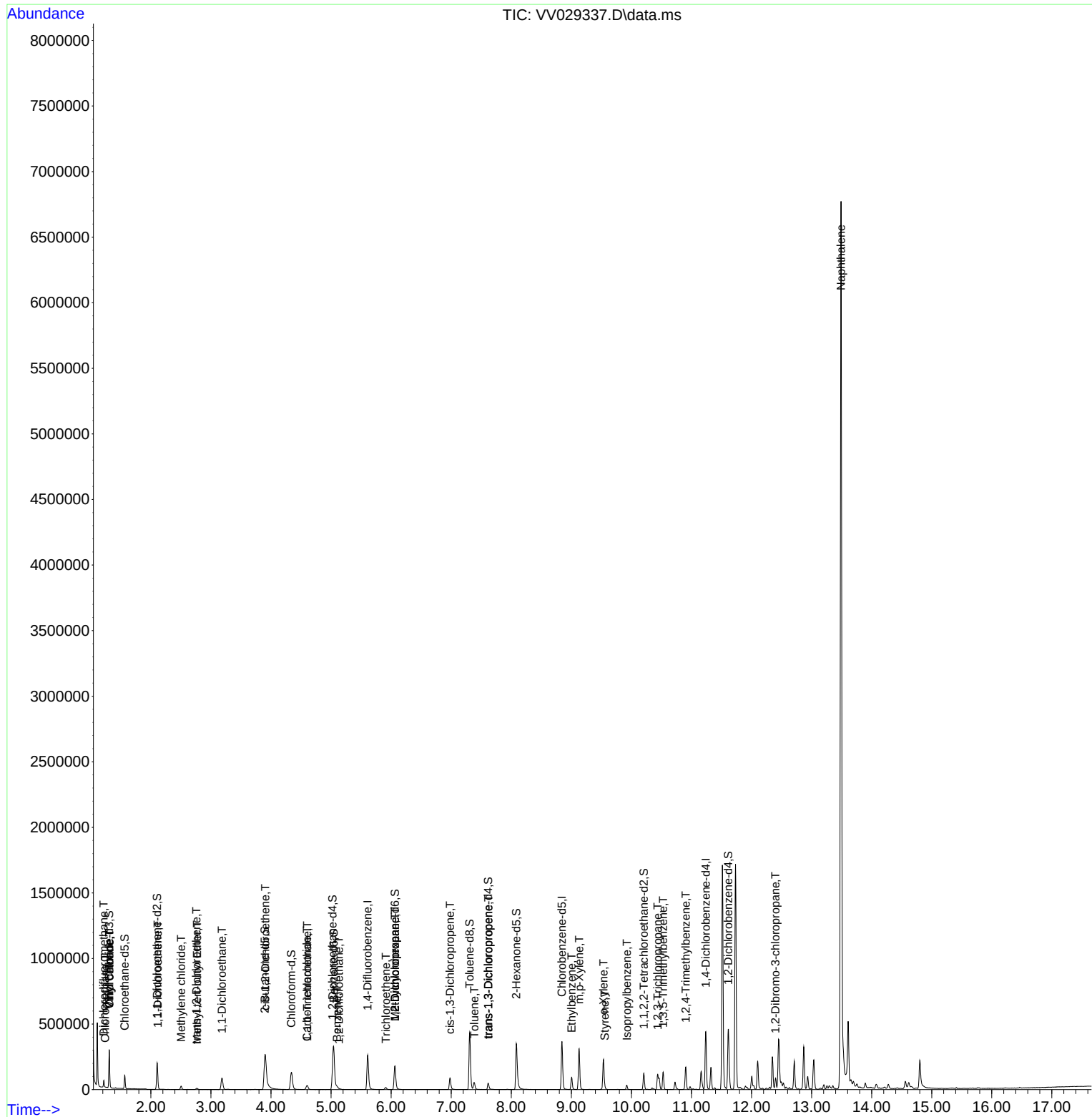
44) trans-1,3-Dichloropropene	7.619	75	1488	0.084	ug/L #	69
52) Ethylbenzene	9.005	91	66973	0.918	ug/L	95
53) m,p-Xylene	9.130	106	96474	3.354	ug/L	94
54) o-Xylene	9.535	106	62664	2.218	ug/L	95
55) Styrene	9.558	104	10294	0.216	ug/L	86
60) Isopropylbenzene	9.924	105	21627	0.280	ug/L	98
61) 1,2,3-Trichloropropane	10.439	75	681	0.082	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.529	105	70269	1.050	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	93051	1.383	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.400	75	427	0.262	ug/L #	1
71) Naphthalene	13.490	128	5661562	271.756	ug/L	100

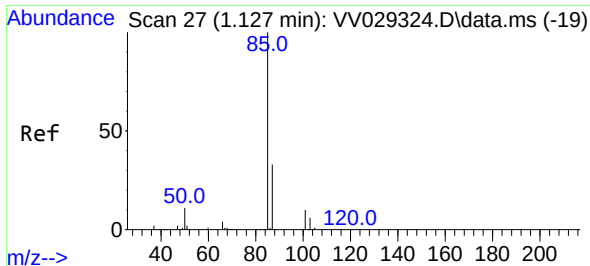
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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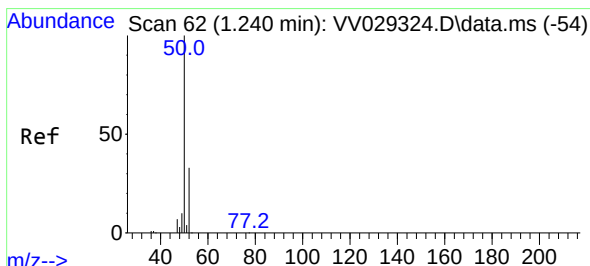
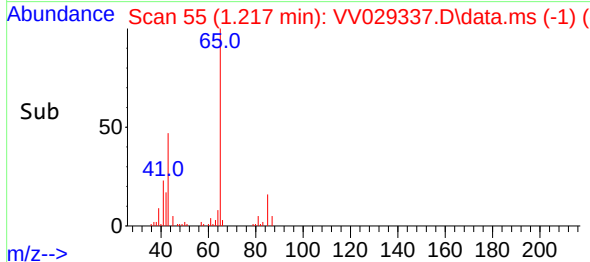
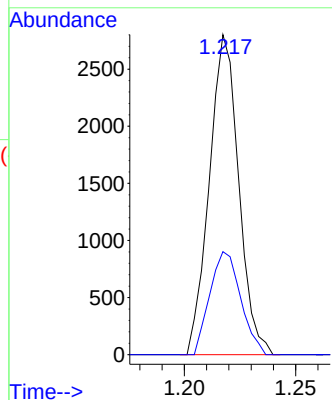
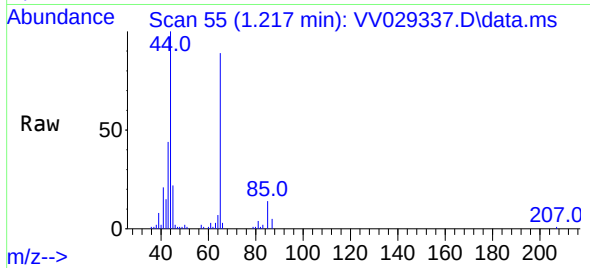




#2
Dichlorodifluoromethane
Concen: 0.141 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.090 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

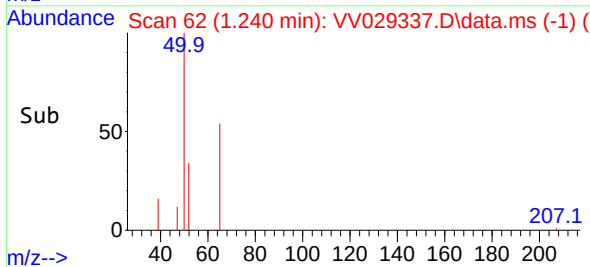
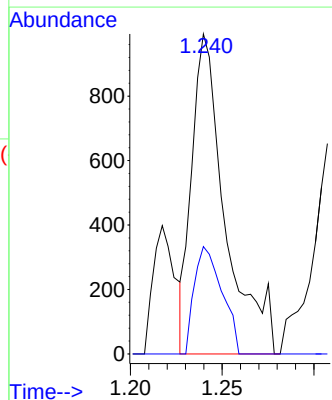
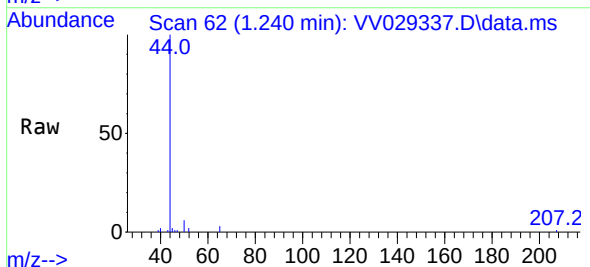
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MSVOA_V
ClientSampleId :

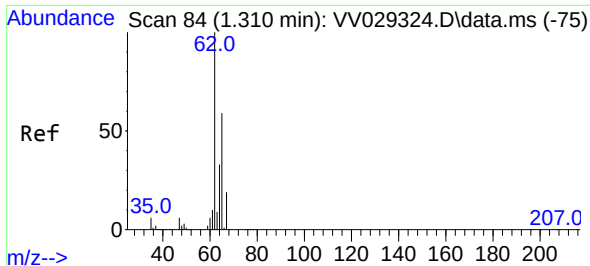
Tgt Ion: 85 Resp: 2573
Ion Ratio Lower Upper
85 100
87 33.7 26.2 39.4



#3
Chloromethane
Concen: 0.075 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Tgt Ion: 50 Resp: 1261
Ion Ratio Lower Upper
50 100
52 33.5 23.2 43.2

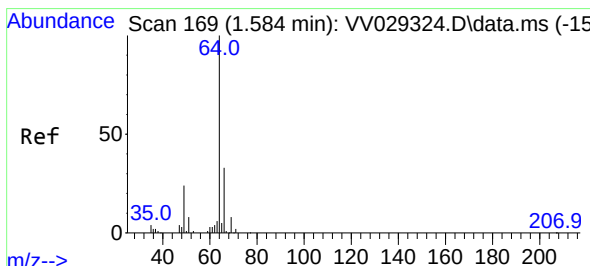
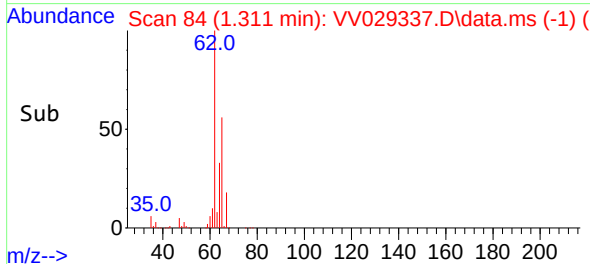
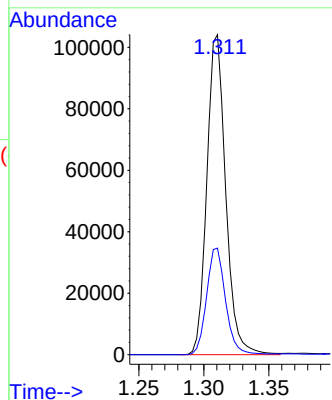
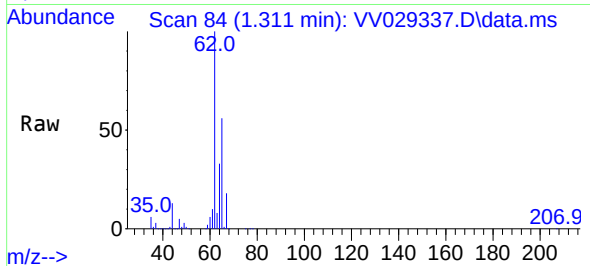




#5
 Vinyl chloride
 Concen: 6.315 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029337.D
 Acq: 24 Nov 2022 09:19

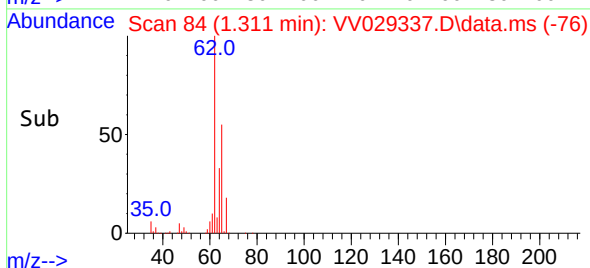
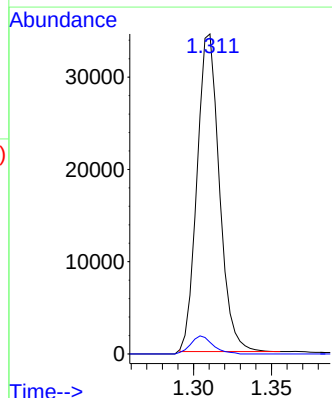
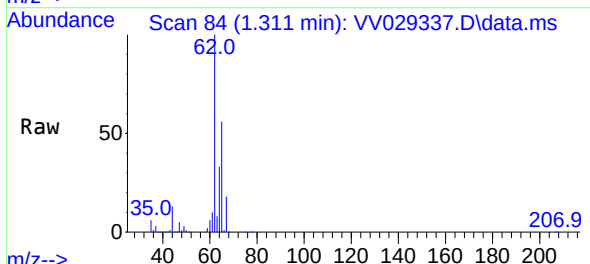
Instrument :
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 ClientSampleId :

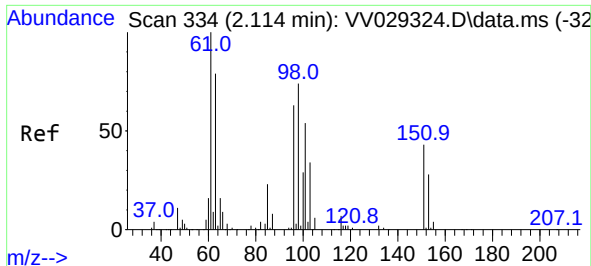
Tgt Ion: 62 Resp: 105186
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.4 43.4



#8
 Chloroethane
 Concen: 3.463 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.273 min
 Lab File: VV029337.D
 Acq: 24 Nov 2022 09:19

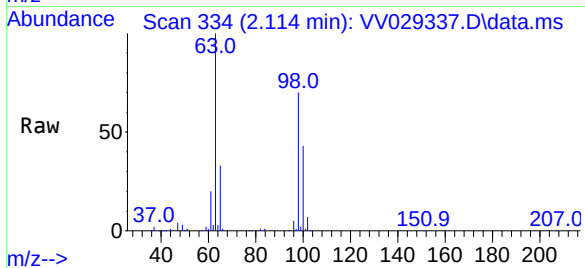
Tgt Ion: 64 Resp: 34279
 Ion Ratio Lower Upper
 64 100
 66 3.7 23.5 43.7#



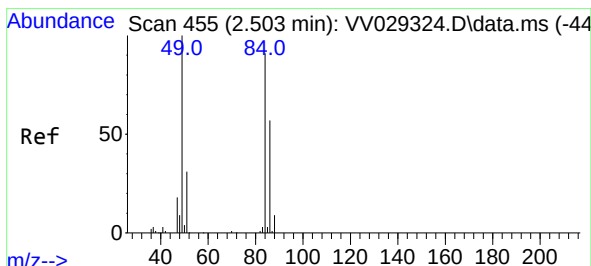
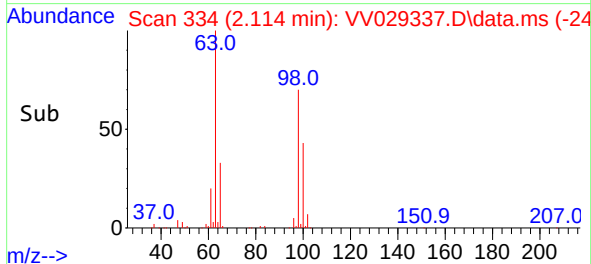
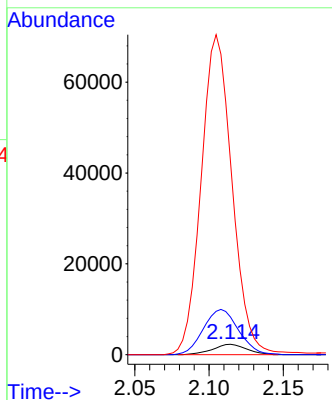


#12
1,1-Dichloroethene
Concen: 0.289 ug/L
RT: 2.114 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Instrument :
MSVOA_V
ClientSampleId :

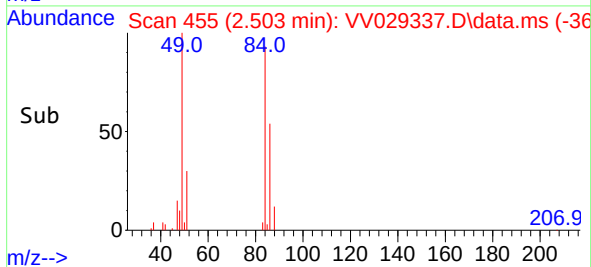
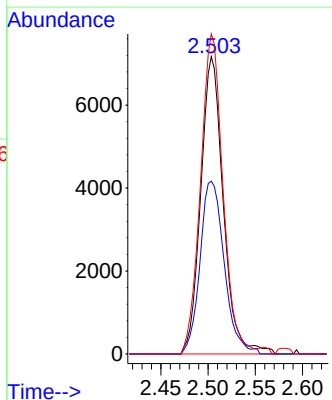
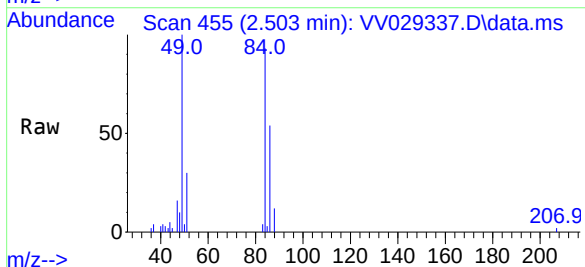


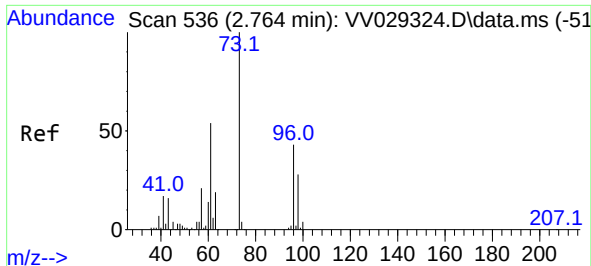
Tgt Ion: 96 Resp: 3630
Ion Ratio Lower Upper
96 100
61 361.1 110.3 204.9#
63 1848.3 84.4 156.8#



#16
Methylene chloride
Concen: 0.618 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

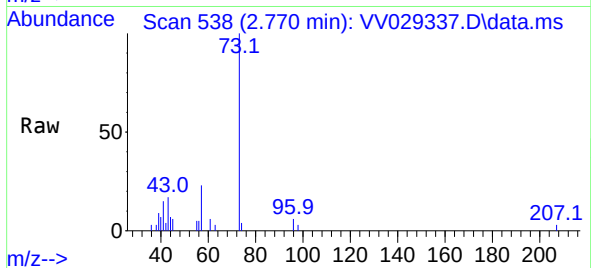
Tgt Ion: 84 Resp: 11871
Ion Ratio Lower Upper
84 100
86 58.1 45.6 84.6
49 107.6 77.8 144.4



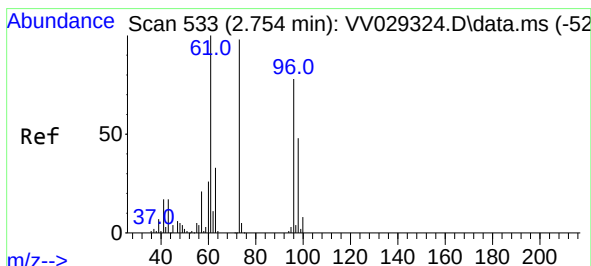
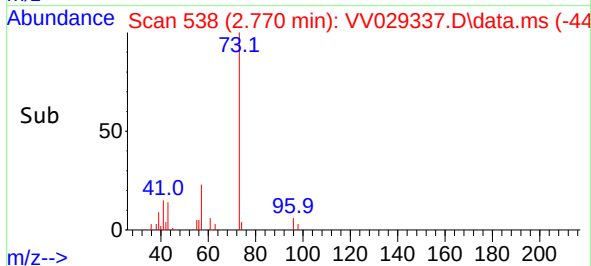
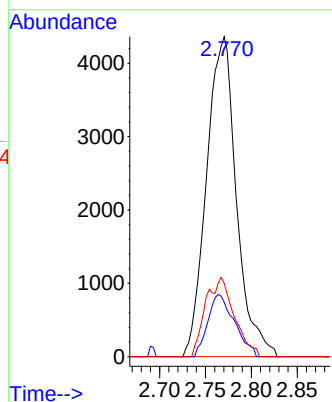


#17
Methyl tert-butyl Ether
Concen: 0.308 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Instrument :
MSVOA_V
ClientSampleId :

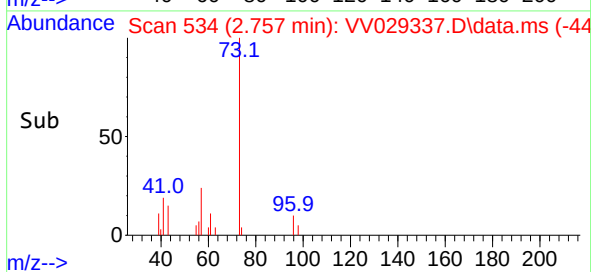
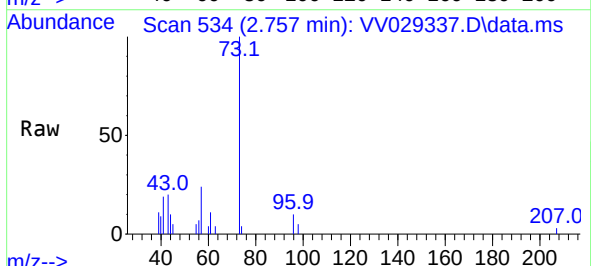
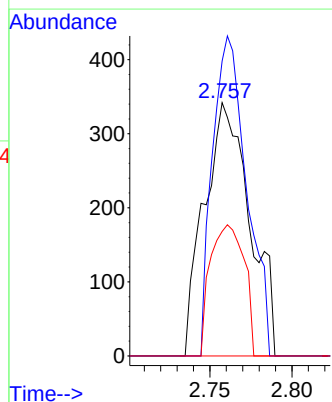


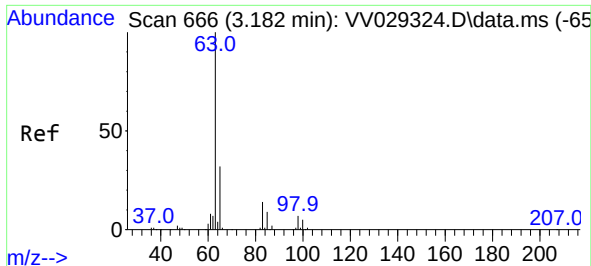
Tgt Ion: 73 Resp: 9890
Ion Ratio Lower Upper
73 100
43 17.3 13.2 19.8
57 23.7 16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 0.046 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.003 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

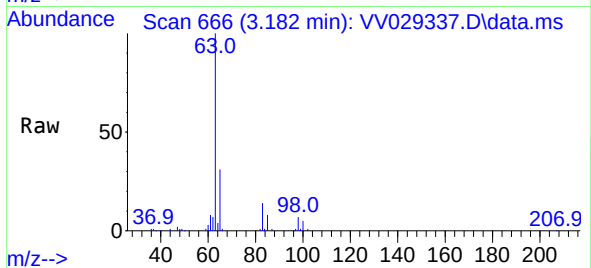
Tgt Ion: 96 Resp: 660
Ion Ratio Lower Upper
96 100
61 116.4 93.0 172.6
98 49.1 44.0 81.8



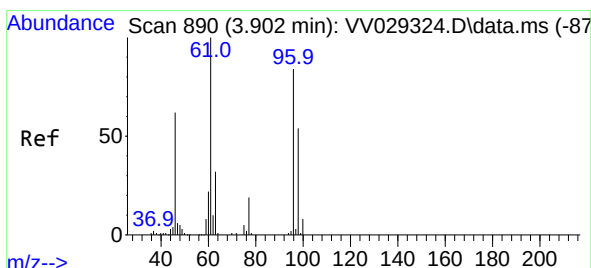
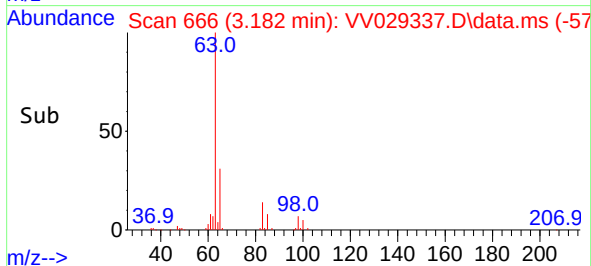
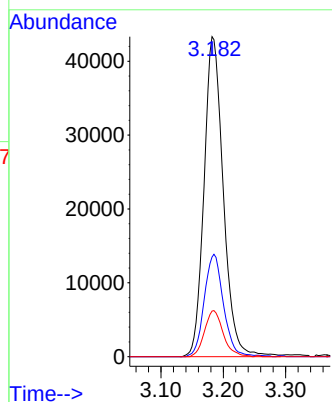


#19
1,1-Dichloroethane
Concen: 3.587 ug/L
RT: 3.182 min Scan# 607
Delta R.T. 0.000 min
Lab File: VV029337.D
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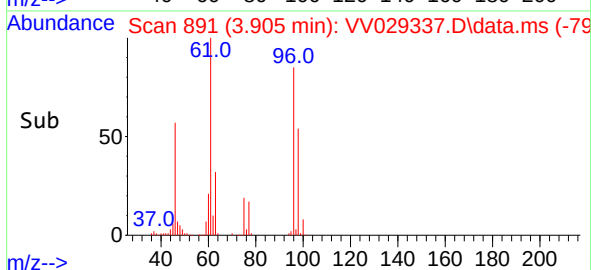
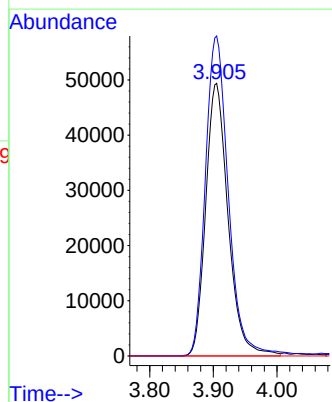
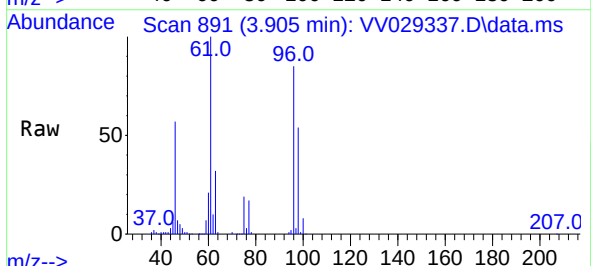


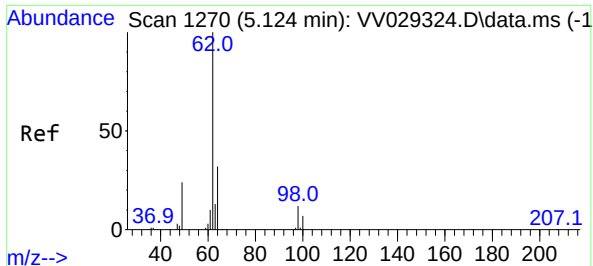
Tgt Ion: 63 Resp: 93158
Ion Ratio Lower Upper
63 100
65 31.2 21.6 40.2
83 14.2 10.3 19.1



#22
cis-1,2-Dichloroethene
Concen: 7.322 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.003 min
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Tgt Ion: 96 Resp: 120852
Ion Ratio Lower Upper
96 100
61 117.4 85.8 159.3
68 0.0 0.0 0.0

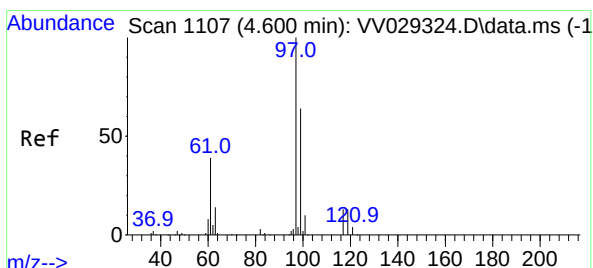
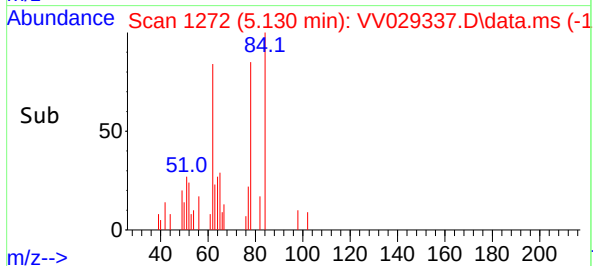
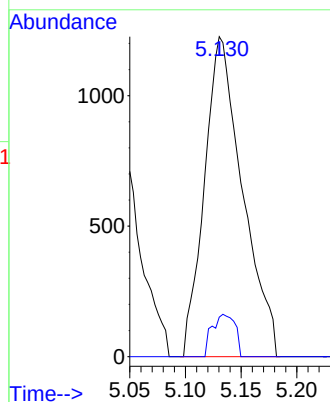
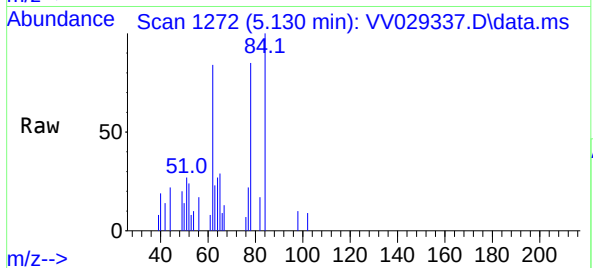




#27
1,2-Dichloroethane
Concen: 0.199 ug/L
RT: 5.130 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

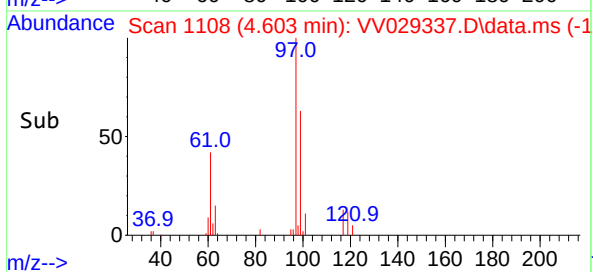
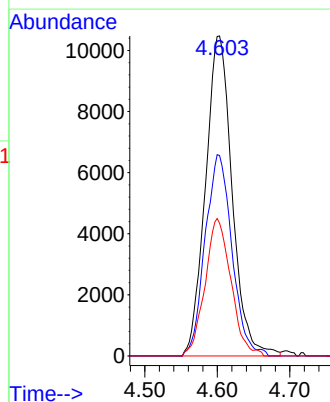
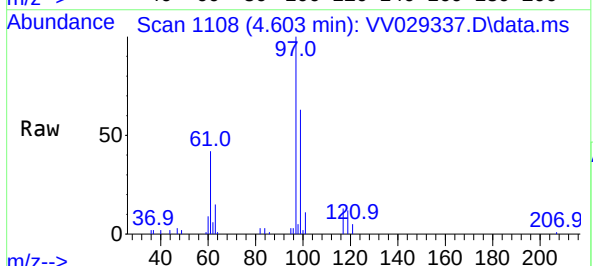
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ClientSampleId :

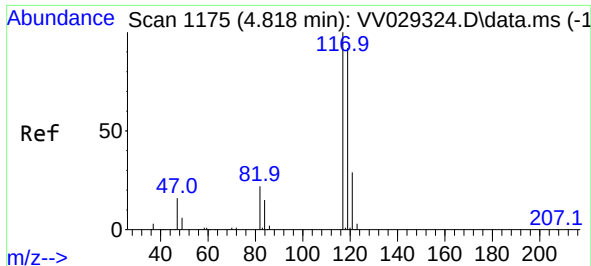
Tgt Ion: 62 Resp: 2918
Ion Ratio Lower Upper
62 100
98 12.3 8.4 12.6



#29
1,1,1-Trichloroethane
Concen: 1.069 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. 0.003 min
Lab File: VV029337.D
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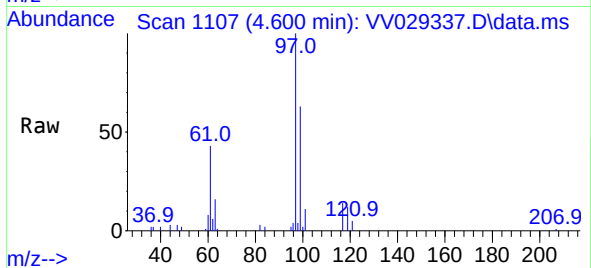
Tgt Ion: 97 Resp: 26783
Ion Ratio Lower Upper
97 100
99 63.3 51.2 76.8
61 41.7 33.3 49.9



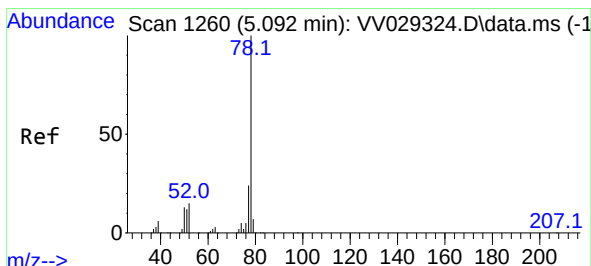
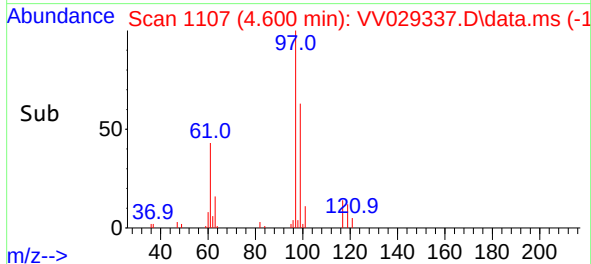
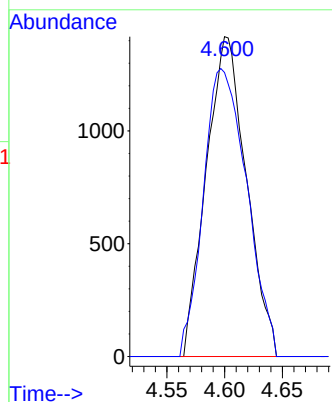


#31
Carbon tetrachloride
Concen: 0.162 ug/L
RT: 4.600 min Scan# 1175
Delta R.T. -0.219 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Instrument :
MSVOA_V
ClientSampleId :

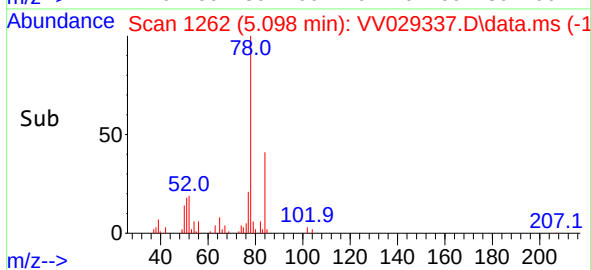
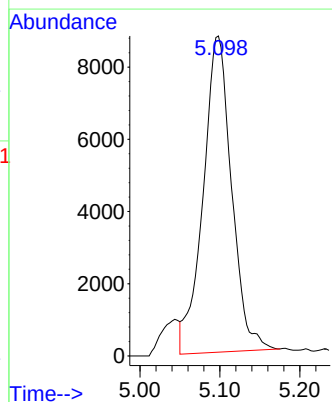
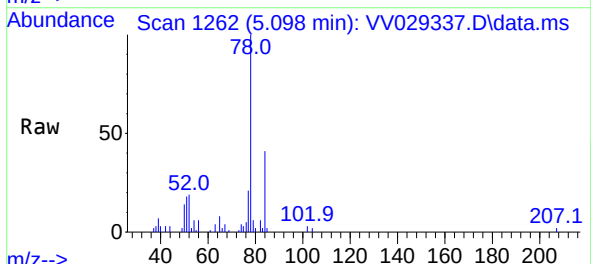


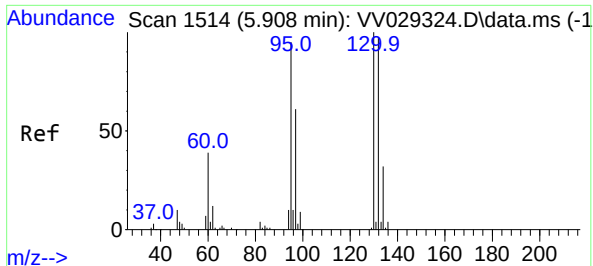
Tgt Ion:117 Resp: 3429
Ion Ratio Lower Upper
117 100
119 97.2 75.7 113.5



#33
Benzene
Concen: 0.332 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

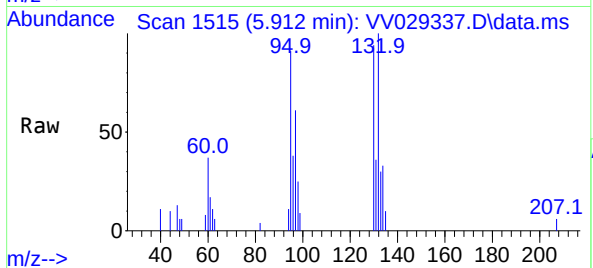
Tgt Ion: 78 Resp: 21645





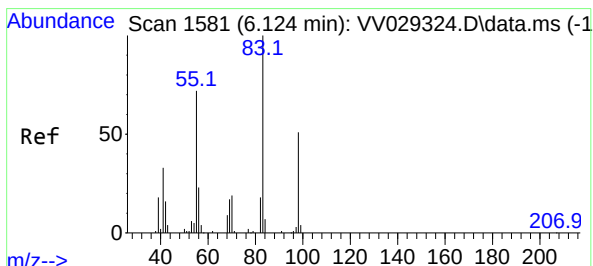
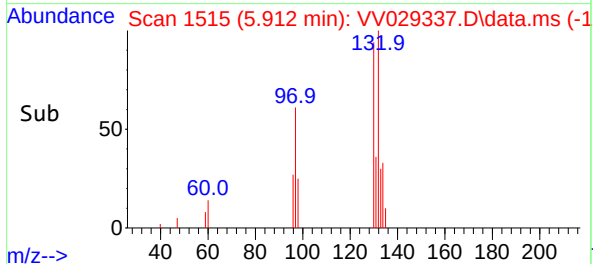
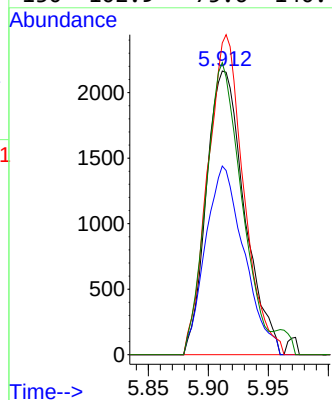
#34
Trichloroethene
Concen: 0.287 ug/L
RT: 5.912 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 4768

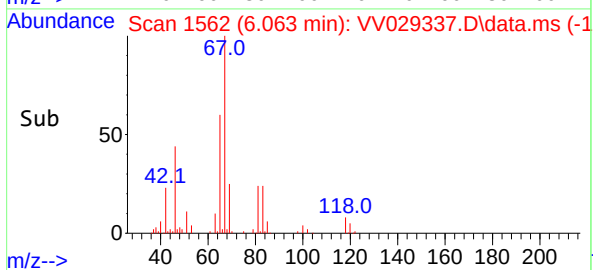
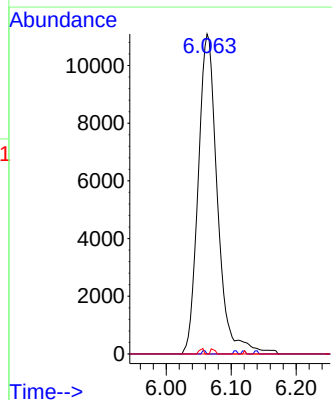
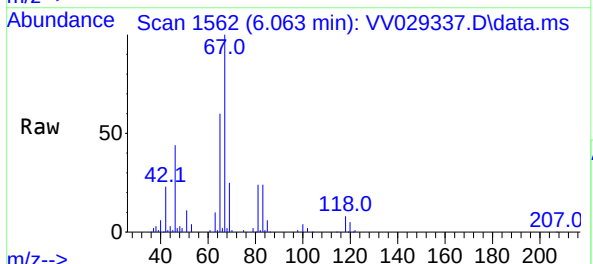
Ion	Ratio	Lower	Upper
95	100		
97	66.5	45.4	84.4
132	109.9	73.3	136.1
130	102.9	75.6	140.4

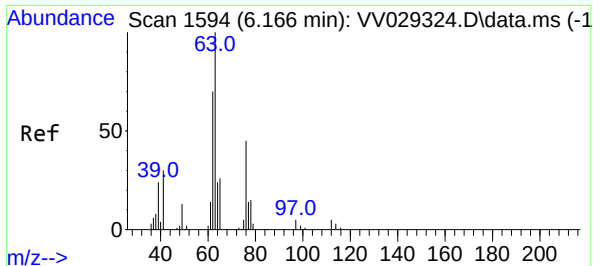


#35
Methylcyclohexane
Concen: 0.817 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Tgt Ion: 83 Resp: 22915

Ion	Ratio	Lower	Upper
83	100		
55	0.2	55.4	83.2#
98	0.4	39.4	59.2#

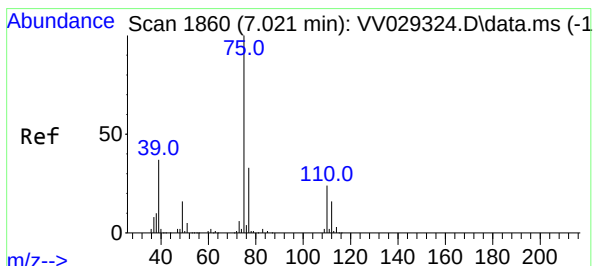
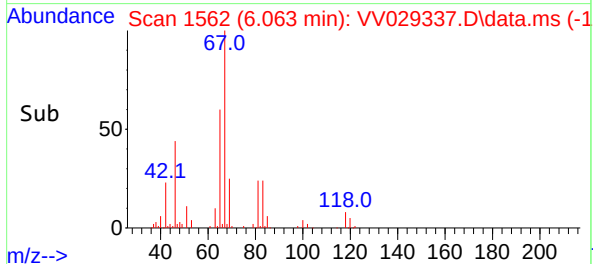
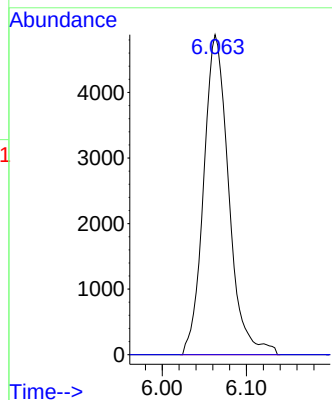
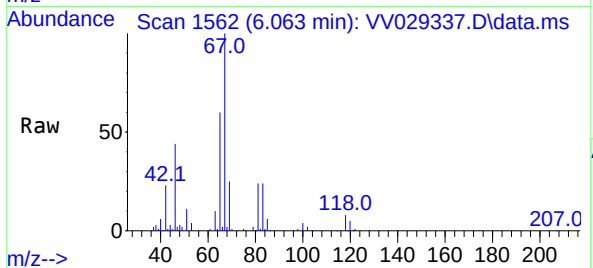




#37
1,2-Dichloropropane
Concen: 0.659 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

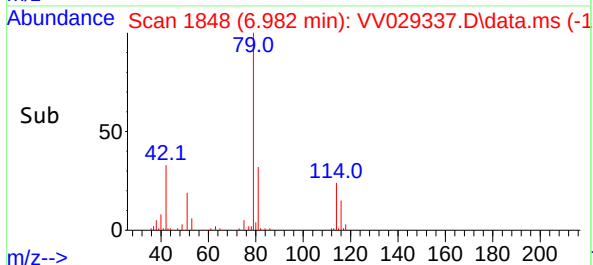
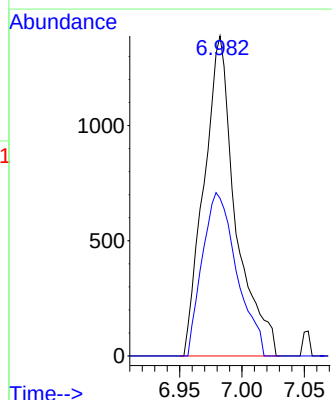
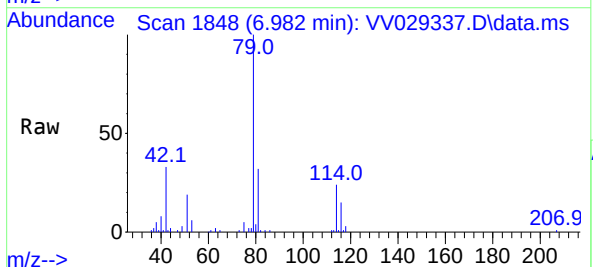
Instrument :
MSVOA_V
ClientSampleId :

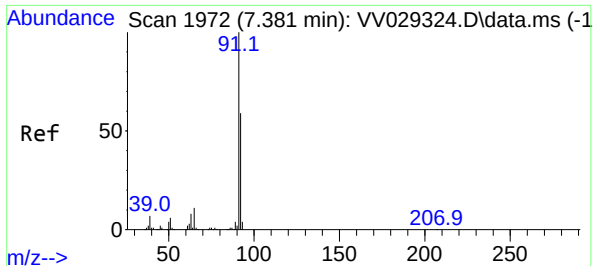
Tgt Ion: 63 Resp: 10124
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#



#39
cis-1,3-Dichloropropene
Concen: 0.109 ug/L
RT: 6.982 min Scan# 1848
Delta R.T. -0.039 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Tgt Ion: 75 Resp: 2445
Ion Ratio Lower Upper
75 100
77 49.2 22.7 42.3#

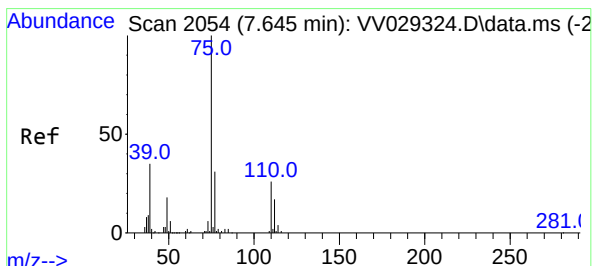
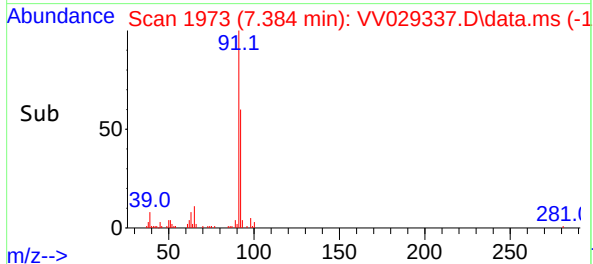
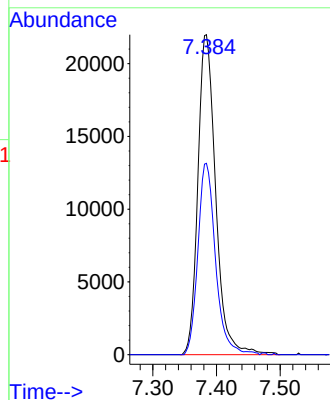
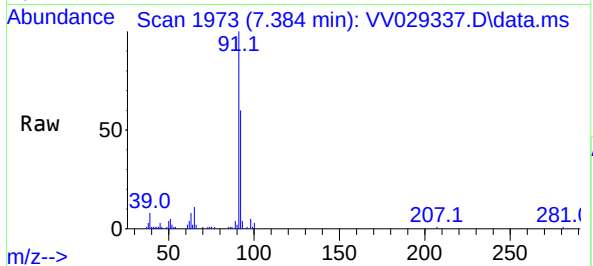




#42
Toluene
Concen: 0.612 ug/L
RT: 7.384 min Scan# 1972
Delta R.T. 0.003 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

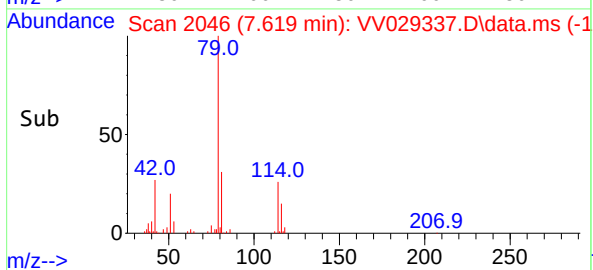
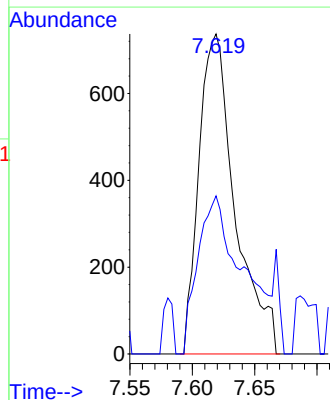
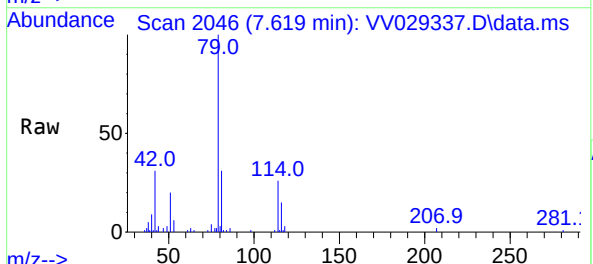
Instrument :
MSVOA_V
ClientSampleId :

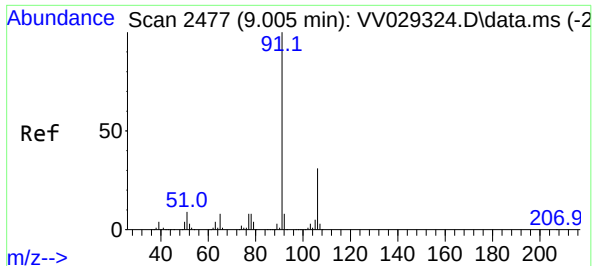
Tgt Ion: 91 Resp: 42797
Ion Ratio Lower Upper
91 100
92 59.8 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.619 min Scan# 2046
Delta R.T. -0.026 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Tgt Ion: 75 Resp: 1488
Ion Ratio Lower Upper
75 100
77 49.4 22.4 41.6#





#52

Ethylbenzene

Concen: 0.918 ug/L

RT: 9.005 min Scan# 2477

Delta R.T. 0.000 min

Lab File: VV029337.D

Acq: 24 Nov 2022 09:19

Instrument :

MSVOA_V

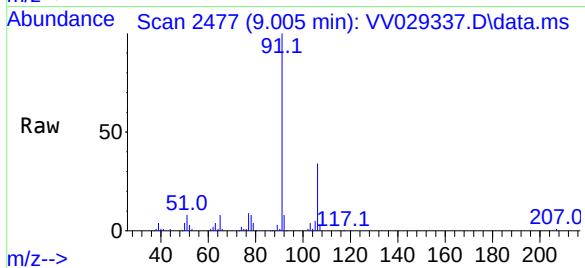
ClientSampleId :

Tgt Ion: 91 Resp: 66973

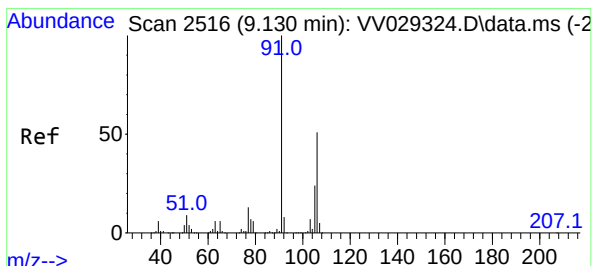
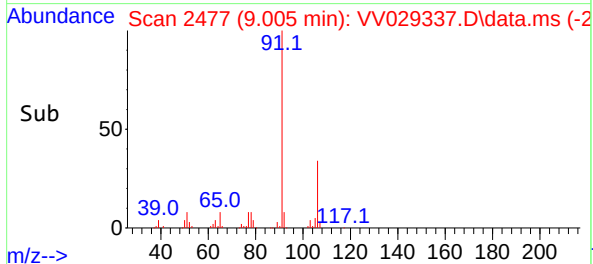
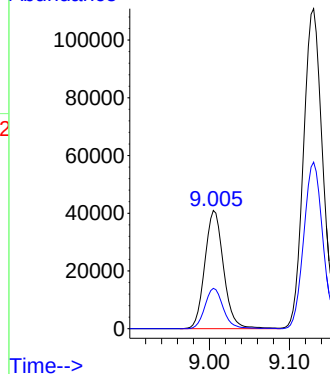
Ion Ratio Lower Upper

91 100

106 34.1 21.9 40.7



Abundance



#53

m,p-Xylene

Concen: 3.354 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.000 min

Lab File: VV029337.D

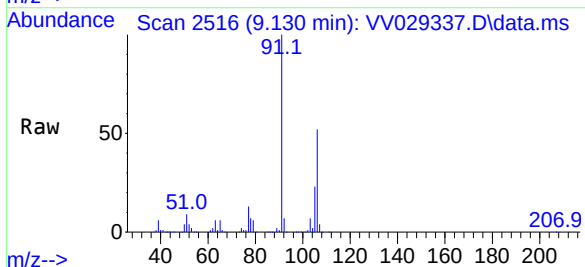
Acq: 24 Nov 2022 09:19

Tgt Ion: 106 Resp: 96474

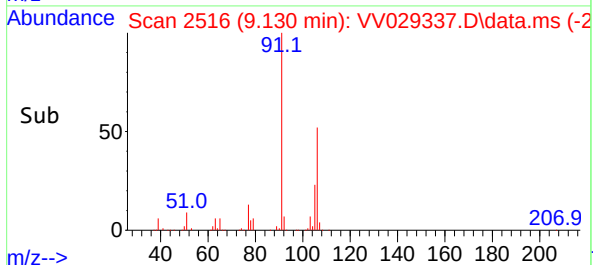
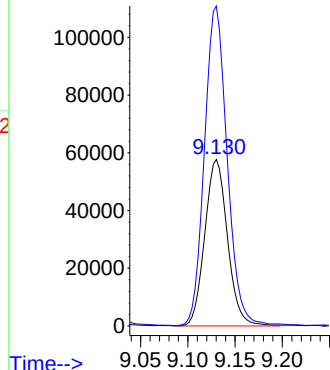
Ion Ratio Lower Upper

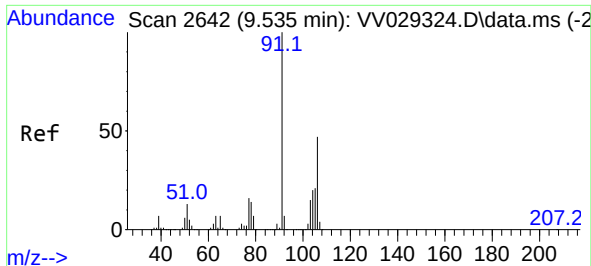
106 100

91 192.0 140.6 261.2



Abundance

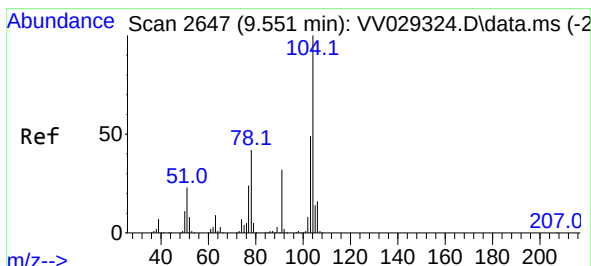
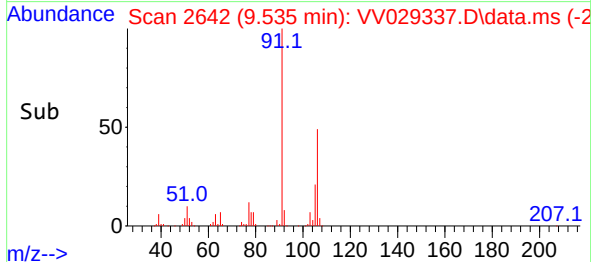
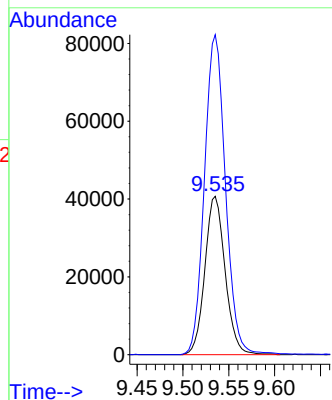
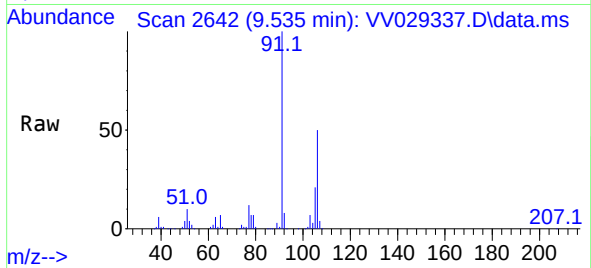




#54
o-Xylene
Concen: 2.218 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

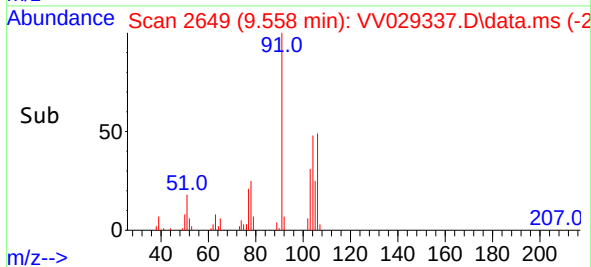
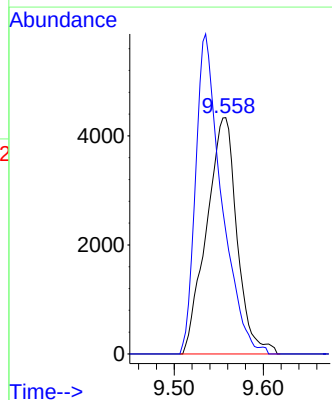
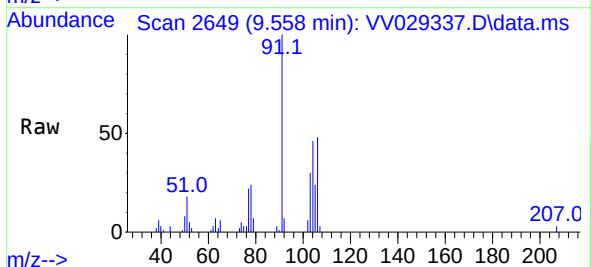
Instrument :
MSVOA_V
ClientSampleId :

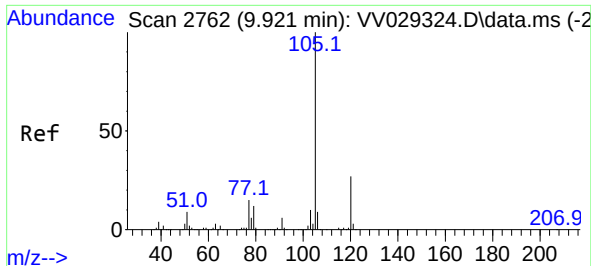
Tgt Ion:106 Resp: 62664
Ion Ratio Lower Upper
106 100
91 202.0 146.9 272.9



#55
Styrene
Concen: 0.216 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.006 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Tgt Ion:104 Resp: 10294
Ion Ratio Lower Upper
104 100
78 51.9 29.9 55.5

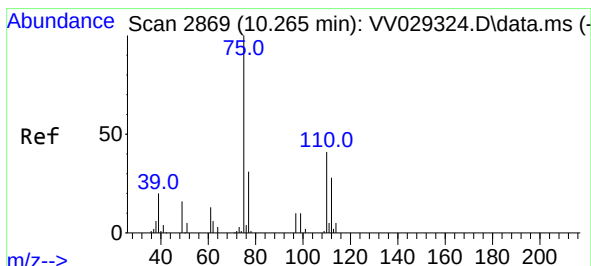
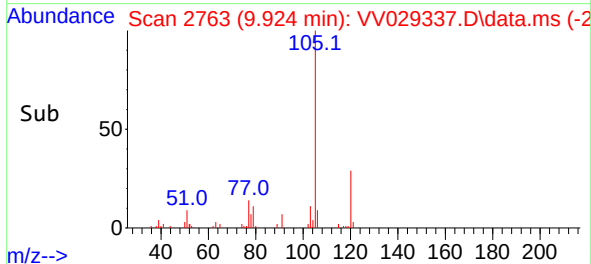
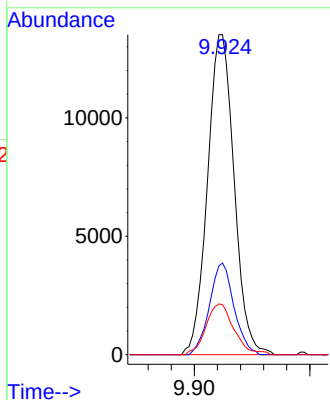
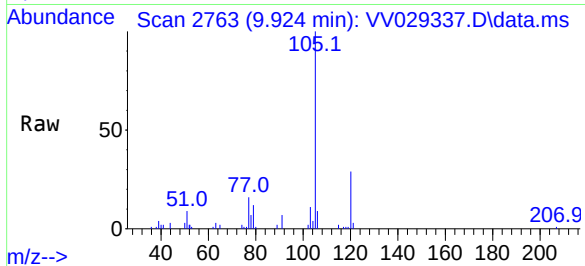




#60
Isopropylbenzene
Concen: 0.280 ug/L
RT: 9.924 min Scan# 21627
Delta R.T. 0.003 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

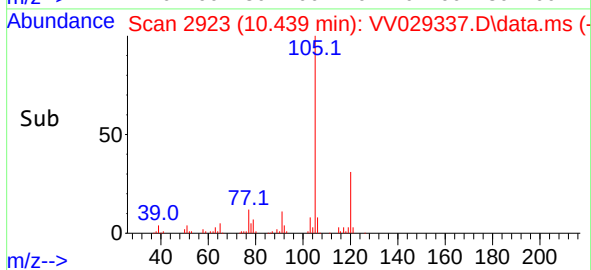
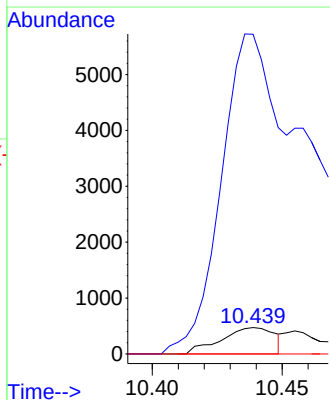
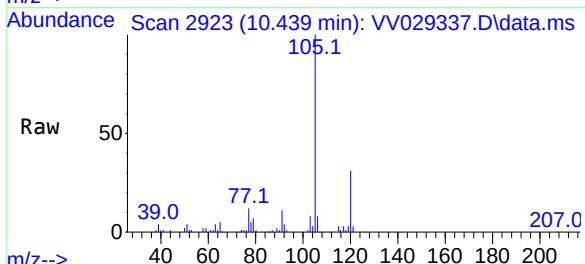
Instrument :
MSVOA_V
ClientSampleId :

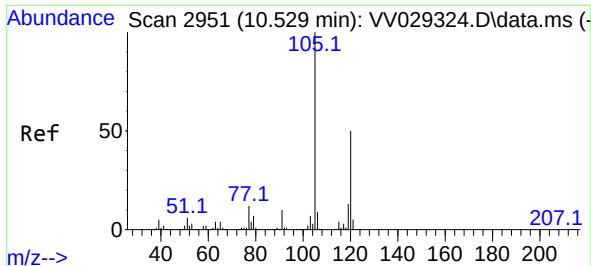
Tgt Ion:105 Resp: 21627
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.2
77 16.7 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 0.082 ug/L
RT: 10.439 min Scan# 2923
Delta R.T. 0.174 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

Tgt Ion: 75 Resp: 681
Ion Ratio Lower Upper
75 100
77 1286.6 26.7 40.1#
110 0.0 32.2 48.4#

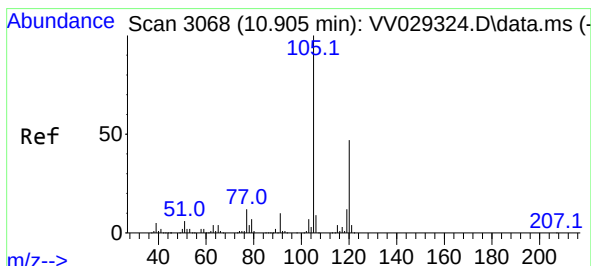
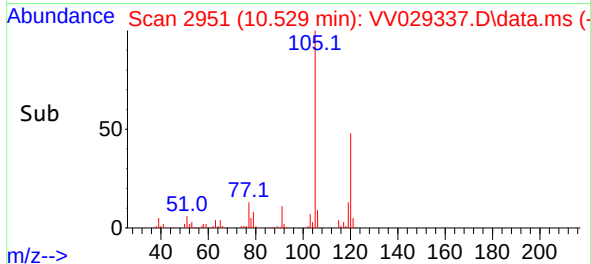
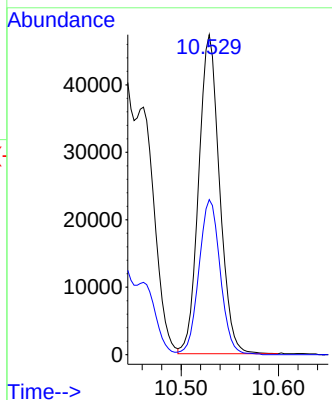
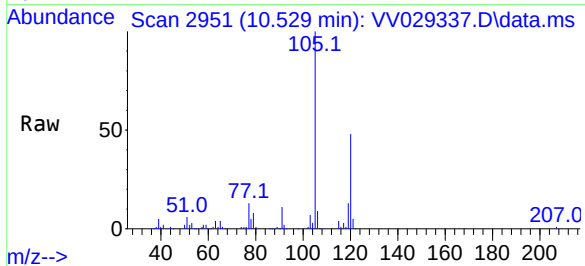




#62
1,3,5-Trimethylbenzene
Concen: 1.050 ug/L
RT: 10.529 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

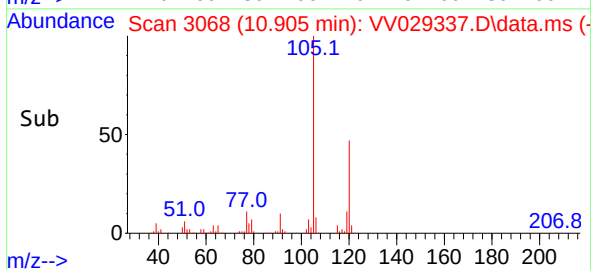
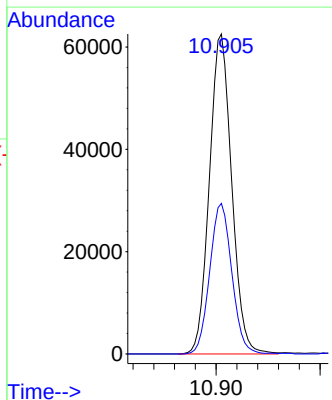
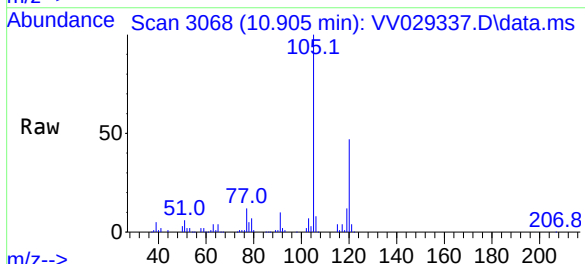
Instrument :
MSVOA_V
ClientSampleId :

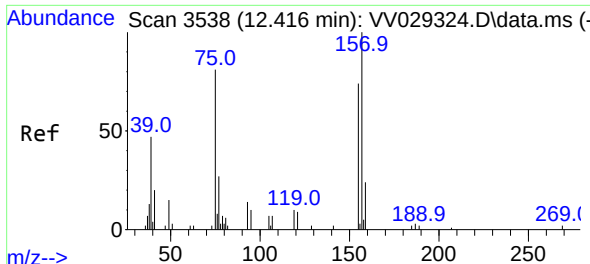
Tgt Ion:105 Resp: 70269
Ion Ratio Lower Upper
105 100
120 49.8 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 1.383 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. 0.000 min
Lab File: VV029337.D
Acq: 24 Nov 2022 09:19

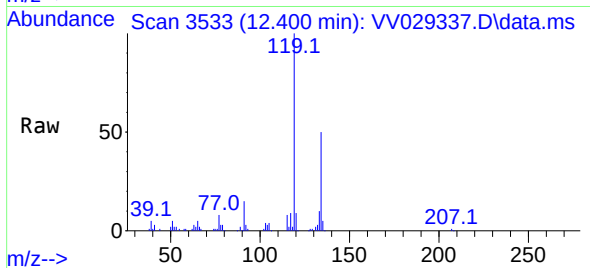
Tgt Ion:105 Resp: 93051
Ion Ratio Lower Upper
105 100
120 46.7 37.2 55.8



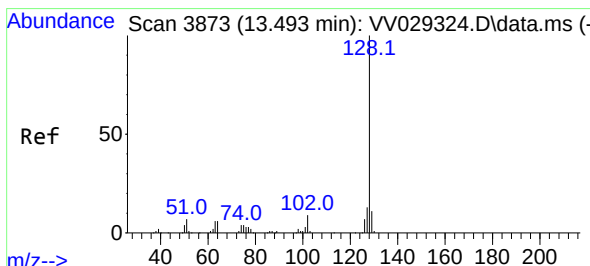
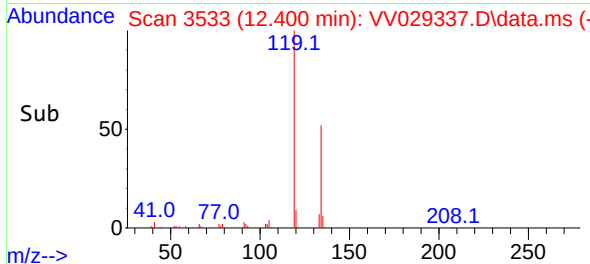
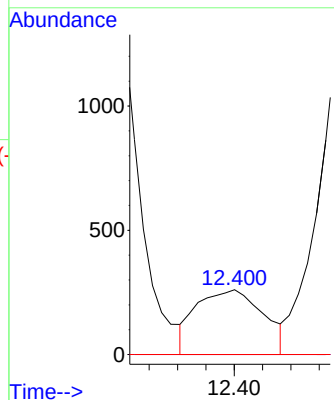


#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.262 ug/L
 RT: 12.400 min Scan# 3538
 Delta R.T. -0.016 min
 Lab File: VV029337.D
 Acq: 24 Nov 2022 09:19

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 427
 Ion Ratio Lower Upper
 75 100
 155 0.0 76.6 115.0#
 157 0.0 96.9 145.3#



#71
 Naphthalene
 Concen: 271.756 ug/L
 RT: 13.490 min Scan# 3872
 Delta R.T. -0.003 min
 Lab File: VV029337.D
 Acq: 24 Nov 2022 09:19

Tgt Ion: 128 Resp: 5661562
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.9 13.3
 127 12.9 10.6 15.8

