

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VW029331.D
 Acq On : 24 Nov 2022 06:52
 Operator : SY/MD
 Sample : N5694-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 25 00:23:38 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	268357	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	236311	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	118369	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	92088	5.576	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.600%
7) Chloroethane-d5	1.564	69	71579	5.921	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.400%
11) 1,1-Dichloroethene-d2	2.105	63	118381	4.479	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.600%
20) 2-Butanone-d5	3.886	46	171808	62.188	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.380%
24) Chloroform-d	4.342	84	164156	5.569	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.400%
26) 1,2-Dichloroethane-d4	5.024	65	77327	5.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.200%
32) Benzene-d6	5.043	84	371214	5.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.600%
36) 1,2-Dichloropropane-d6	6.063	67	106169	5.785	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.800%
41) Toluene-d8	7.307	98	339395	5.506	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.200%
43) trans-1,3-Dichloroprop...	7.616	79	35316	4.991	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.800%
46) 2-Hexanone-d5	8.085	63	139451	55.291	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.580%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	66410	5.864	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	121435	5.873	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1271	0.069	ug/L	92
5) Vinyl chloride	1.310	62	1282	0.070	ug/L #	1
12) 1,1-Dichloroethene	2.117	96	11199	0.812	ug/L #	1
13) Acetone	2.182	43	8954	4.457	ug/L	66
17) Methyl tert-butyl Ether	2.767	73	17242	0.489	ug/L	96
19) 1,1-Dichloroethane	3.185	63	71103	2.495	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	154663	8.538	ug/L	99
27) 1,2-Dichloroethane	5.133	62	2806	0.174	ug/L #	72
29) 1,1,1-Trichloroethane	4.603	97	5299	0.195	ug/L	98
33) Benzene	5.095	78	5130	0.073	ug/L	100
34) Trichloroethene	5.912	95	19961	1.107	ug/L	98
35) Methylcyclohexane	6.063	83	26377	0.867	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	11409	0.685	ug/L #	85
39) cis-1,3-Dichloropropene	6.976	75	2493	0.102	ug/L #	34
42) Toluene	7.384	91	23491	0.310	ug/L	95
44) trans-1,3-Dichloropropene	7.612	75	1503	0.078	ug/L #	59
52) Ethylbenzene	9.008	91	12652	0.160	ug/L	98
53) m,p-Xylene	9.130	106	17212	0.552	ug/L	98
54) o-Xylene	9.535	106	8733	0.285	ug/L	94

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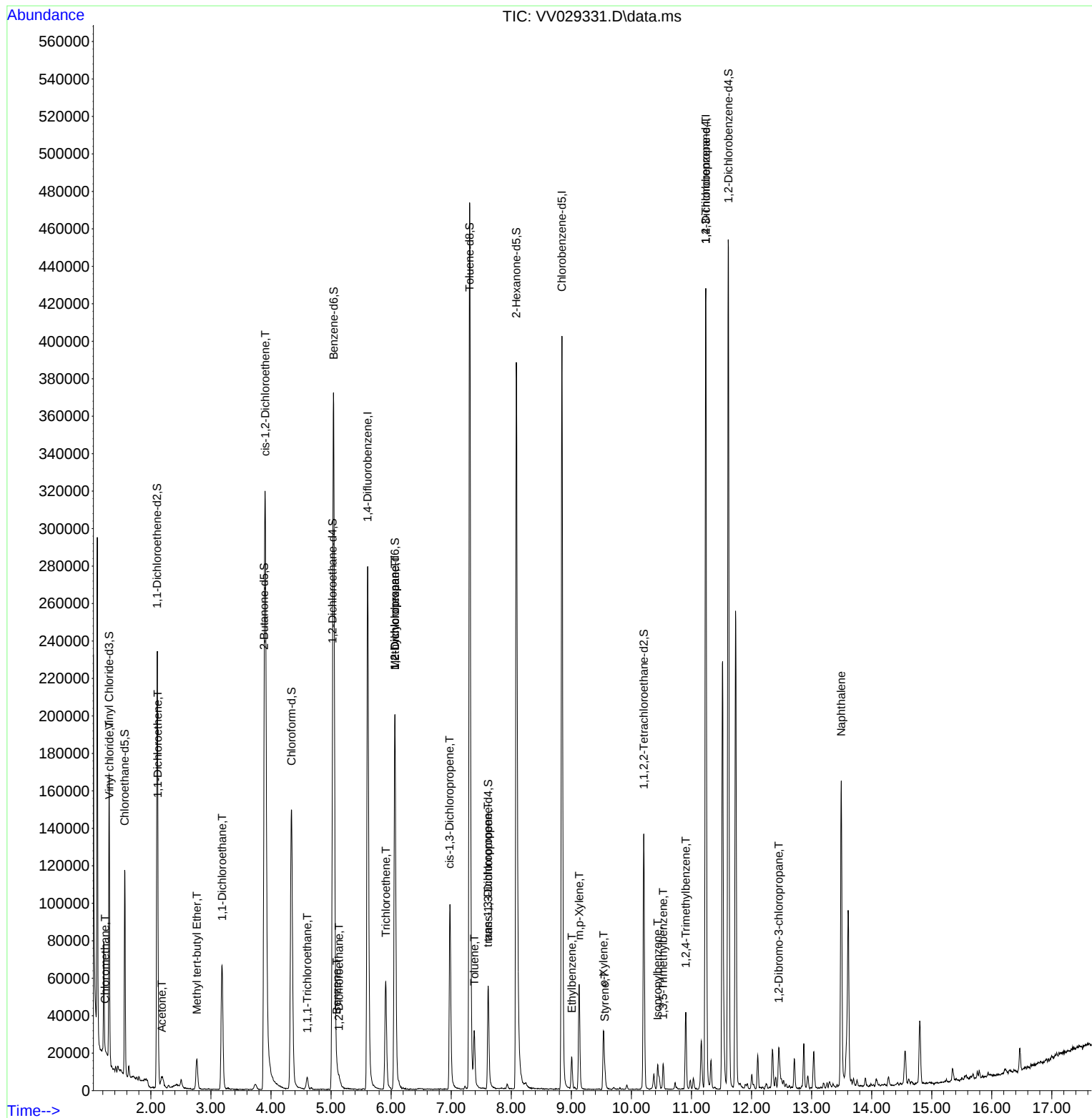
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	9.558	104	5196	0.100	ug/L	97
60) Isopropylbenzene	10.439	105	12162	0.159	ug/L	94
61) 1,2,3-Trichloropropane	11.239	75	13409	1.633	ug/L #	67
62) 1,3,5-Trimethylbenzene	10.529	105	7313	0.110	ug/L	97
63) 1,2,4-Trimethylbenzene	10.905	105	23461	0.352	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.455	75	235	0.146	ug/L #	1
71) Naphthalene	13.493	128	133839	6.486	ug/L	99

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

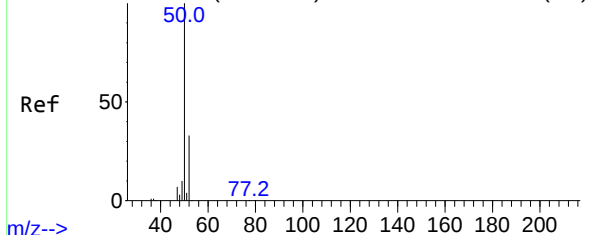
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112322\
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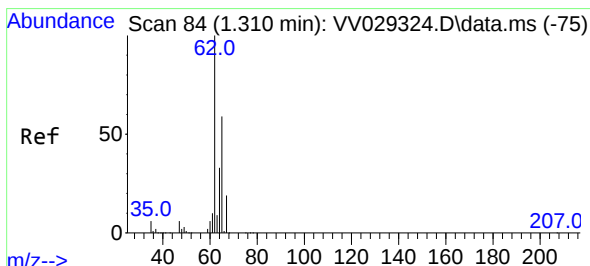
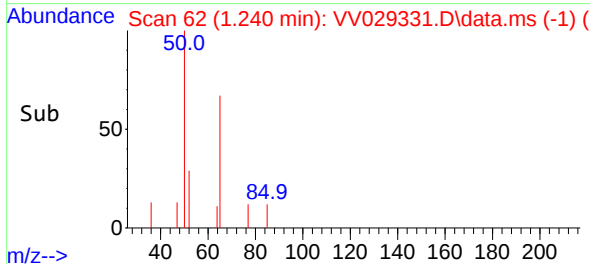
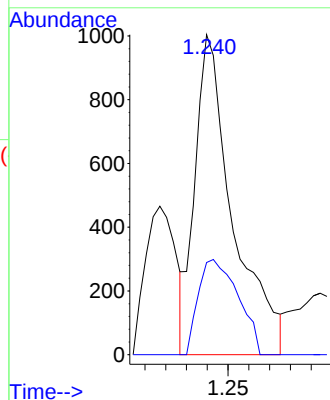
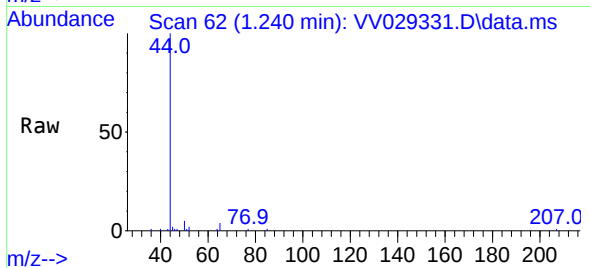
Abundance Scan 62 (1.240 min): VV029324.D\data.ms (-54)



#3
Chloromethane
Concen: 0.069 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

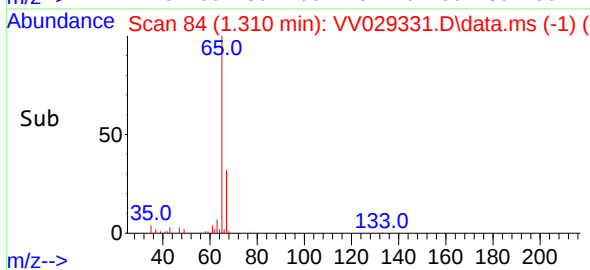
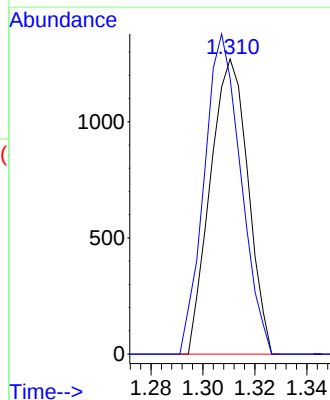
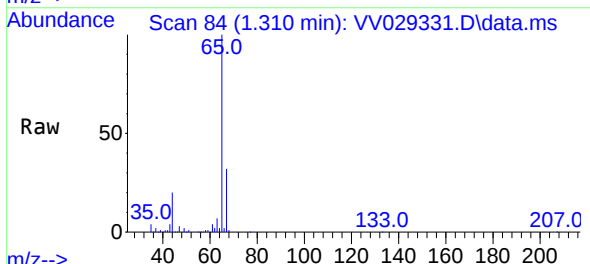
Instrument :
MSVOA_V
ClientSampleId :

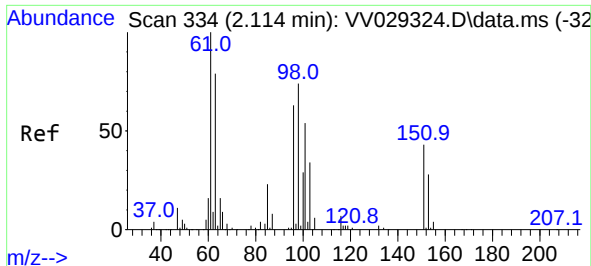
Tgt Ion: 50 Resp: 1271
Ion Ratio Lower Upper
50 100
52 28.8 23.2 43.2



#5
Vinyl chloride
Concen: 0.070 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

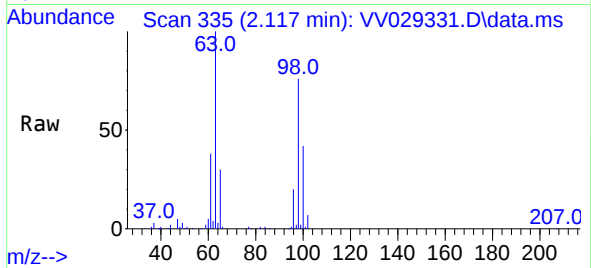
Tgt Ion: 62 Resp: 1282
Ion Ratio Lower Upper
62 100
64 93.5 23.4 43.4#



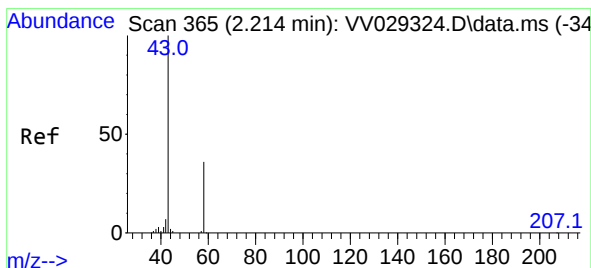
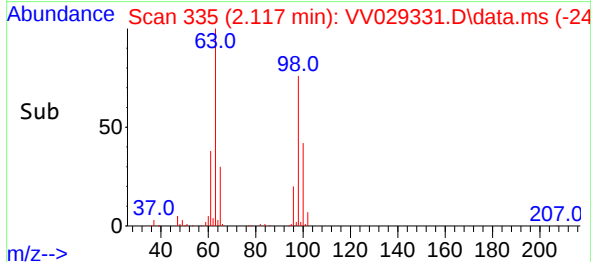
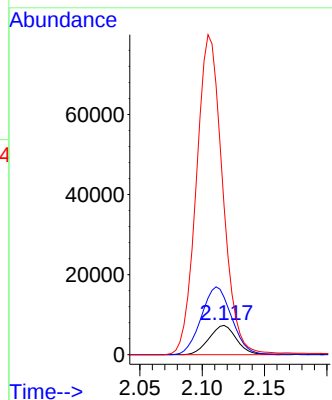


#12
1,1-Dichloroethene
Concen: 0.812 ug/L
RT: 2.117 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Instrument :
MSVOA_V
ClientSampleId :

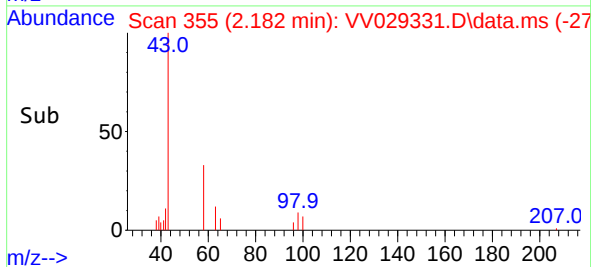
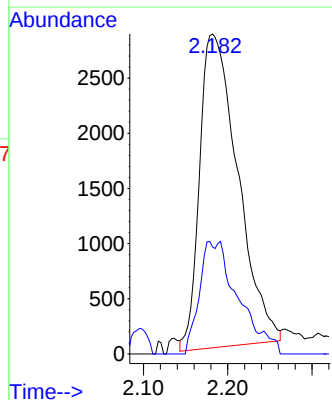
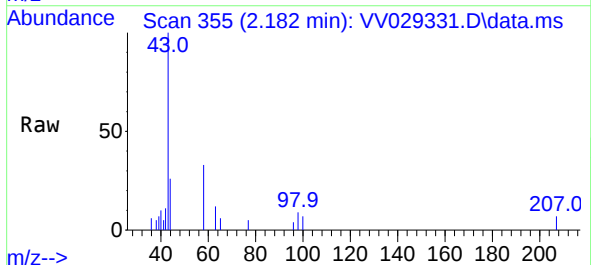


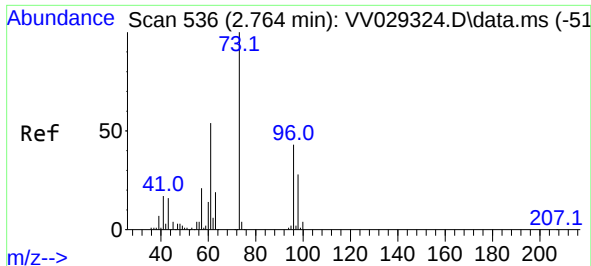
Tgt Ion: 96 Resp: 11199
Ion Ratio Lower Upper
96 100
61 195.9 110.3 204.9
63 509.1 84.4 156.8#



#13
Acetone
Concen: 4.457 ug/L
RT: 2.182 min Scan# 355
Delta R.T. -0.032 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

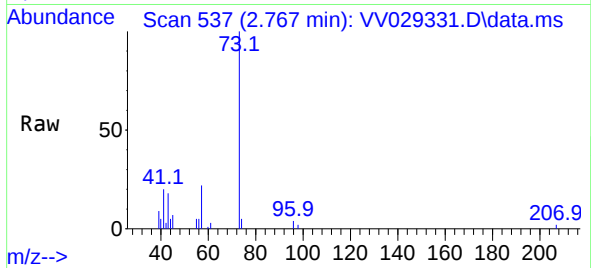
Tgt Ion: 43 Resp: 8954
Ion Ratio Lower Upper
43 100
58 15.3 0.0 70.8



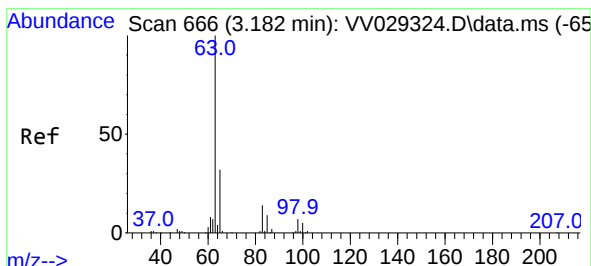
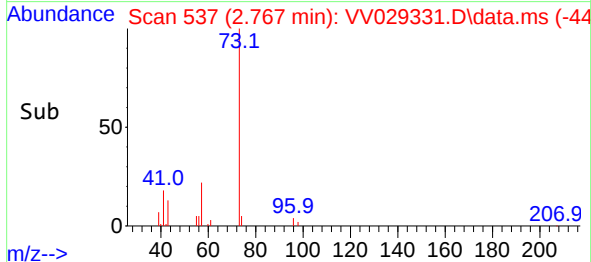
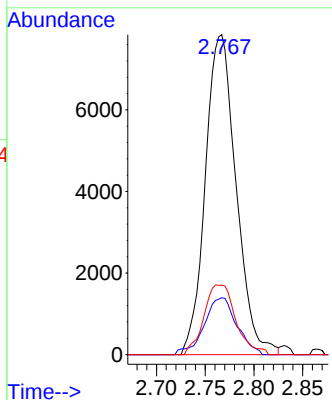


#17
Methyl tert-butyl Ether
Concen: 0.489 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Instrument :
MSVOA_V
ClientSampleId :

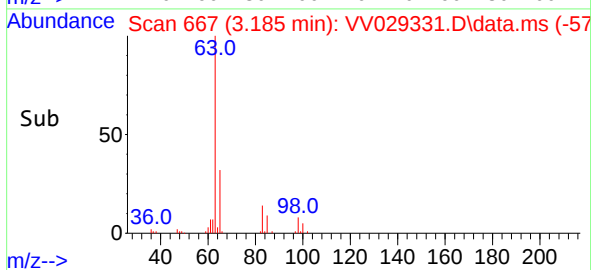
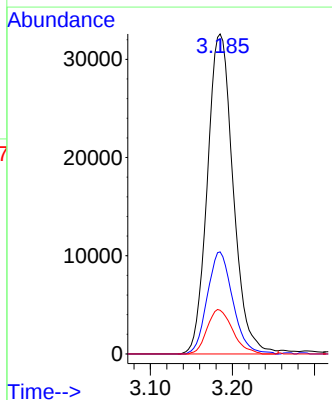
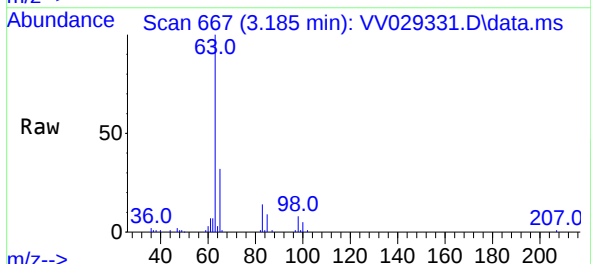


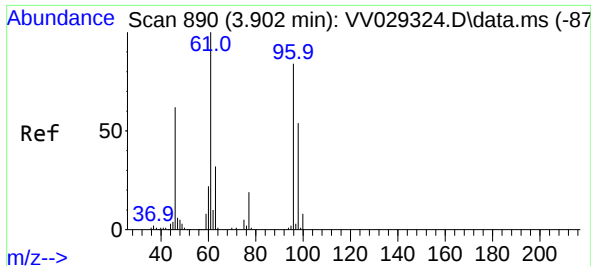
Tgt Ion: 73 Resp: 17242
Ion Ratio Lower Upper
73 100
43 18.9 13.2 19.8
57 22.7 16.9 25.3



#19
1,1-Dichloroethane
Concen: 2.495 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

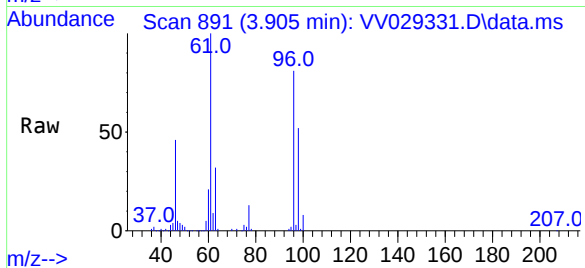
Tgt Ion: 63 Resp: 71103
Ion Ratio Lower Upper
63 100
65 31.9 21.6 40.2
83 13.6 10.3 19.1



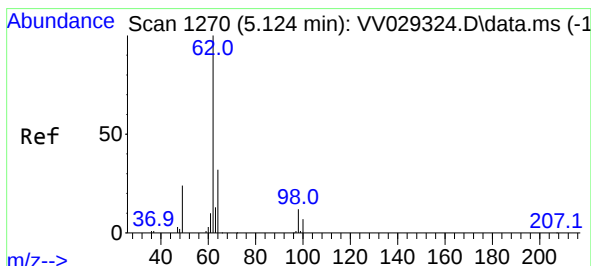
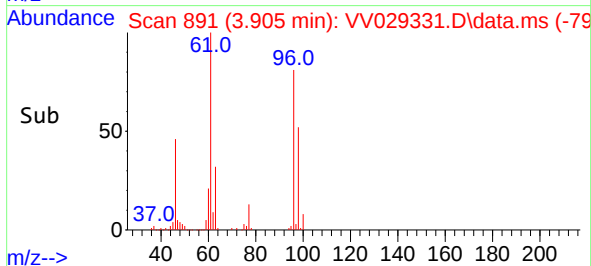
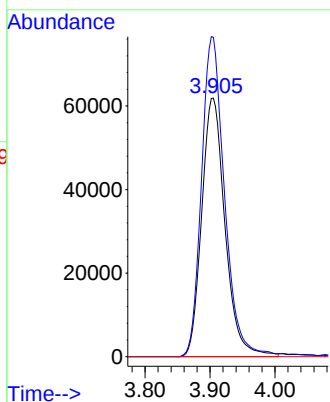


#22
cis-1,2-Dichloroethene
Concen: 8.538 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Instrument :
MSVOA_V
ClientSampleId :

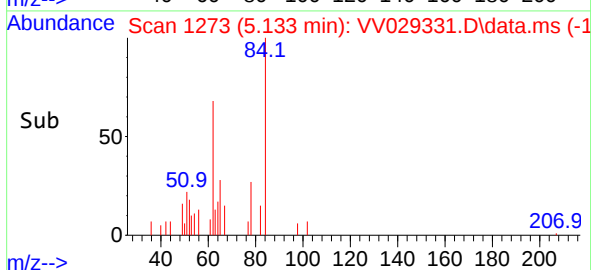
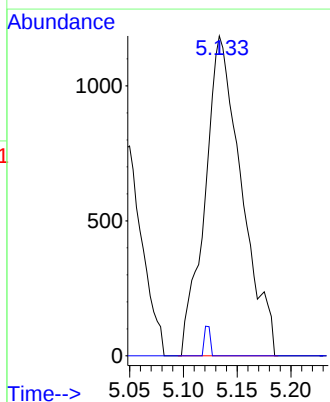
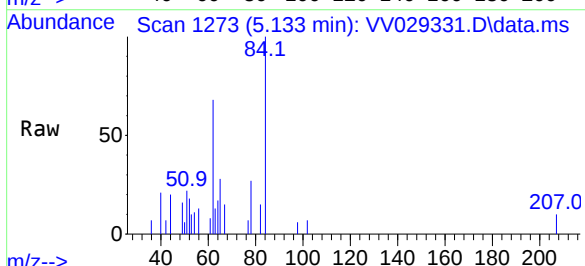


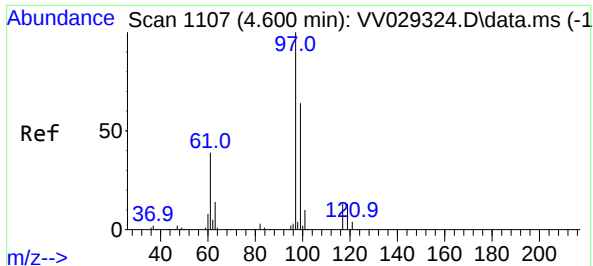
Tgt Ion: 96 Resp: 154663
Ion Ratio Lower Upper
96 100
61 123.5 85.8 159.3
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 0.174 ug/L
RT: 5.133 min Scan# 1273
Delta R.T. 0.010 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Tgt Ion: 62 Resp: 2806
Ion Ratio Lower Upper
62 100
98 0.0 8.4 12.6#





#29

1,1,1-Trichloroethane

Concen: 0.195 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029331.D

Acq: 24 Nov 2022 06:52

Instrument :

MSVOA_V

ClientSampleId :

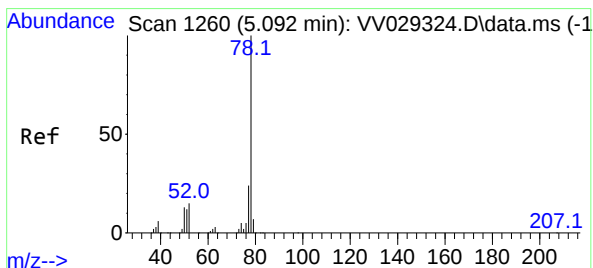
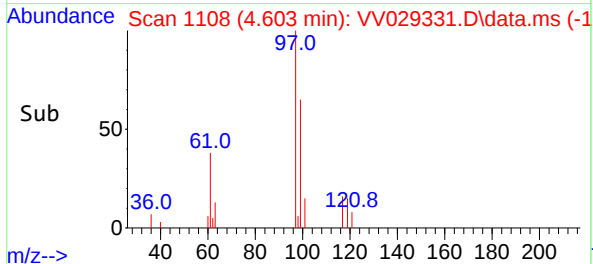
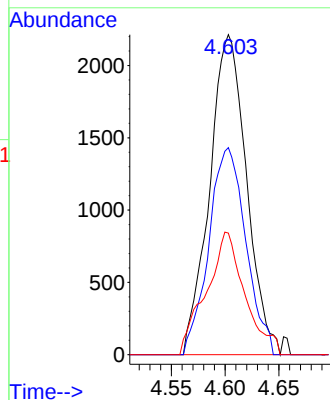
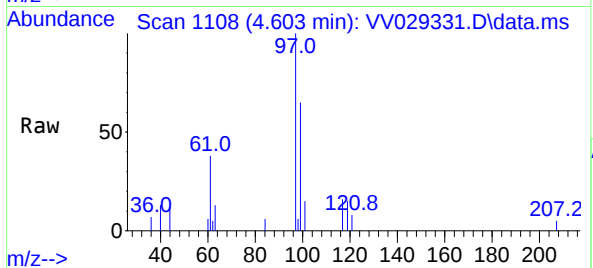
Tgt Ion: 97 Resp: 5299

Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

61 40.0 33.3 49.9



#33

Benzene

Concen: 0.073 ug/L

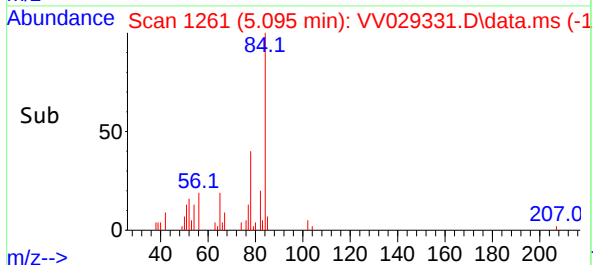
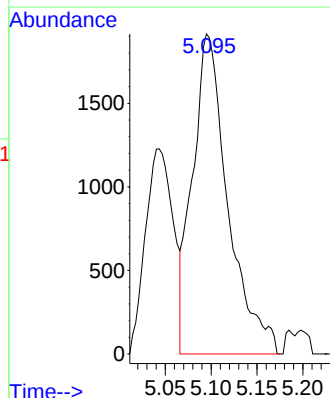
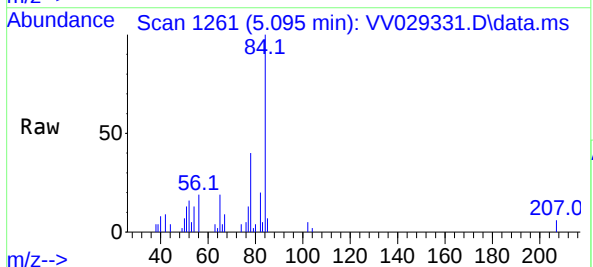
RT: 5.095 min Scan# 1261

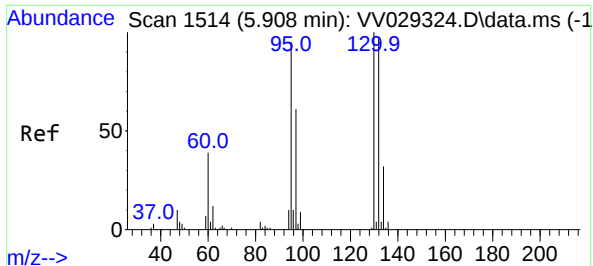
Delta R.T. 0.003 min

Lab File: VV029331.D

Acq: 24 Nov 2022 06:52

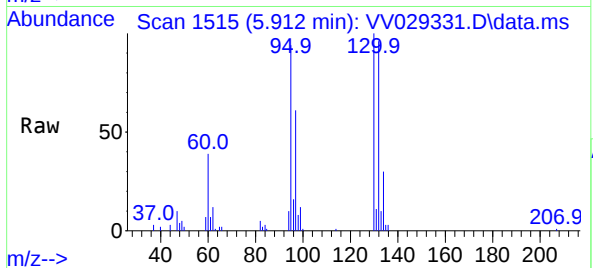
Tgt Ion: 78 Resp: 5130





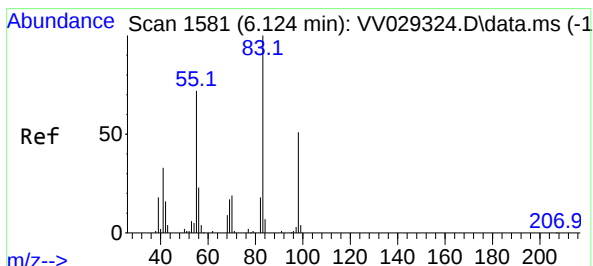
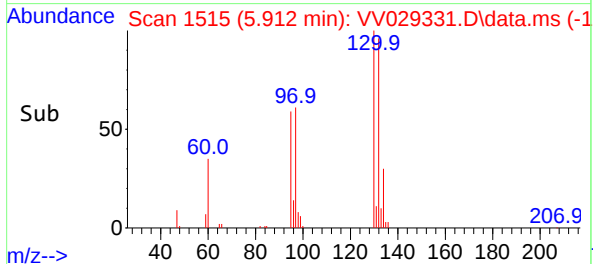
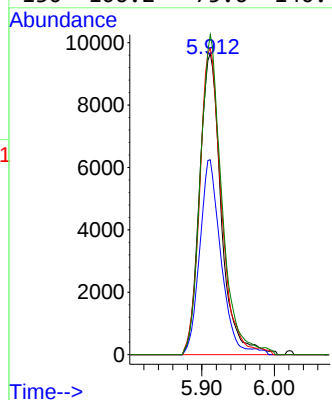
#34
Trichloroethene
Concen: 1.107 ug/L
RT: 5.912 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 19961

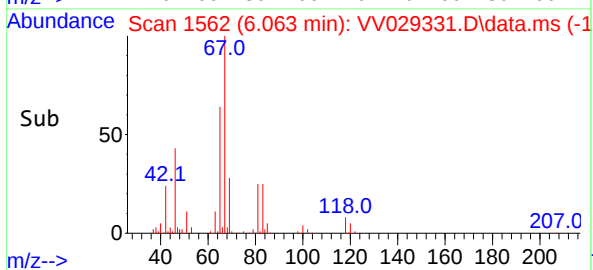
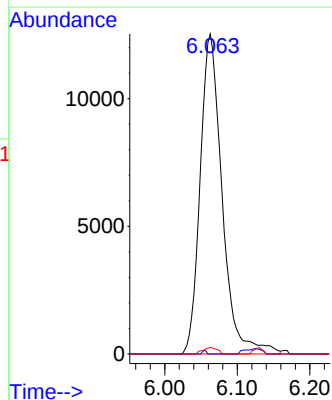
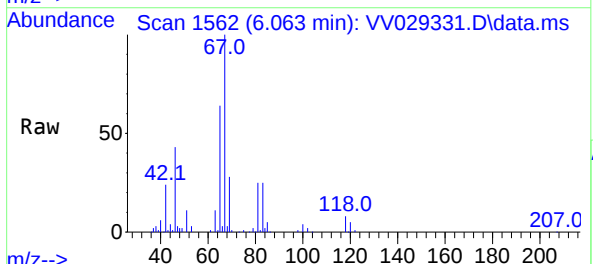
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.4	84.4
132	101.6	73.3	136.1
130	106.2	75.6	140.4

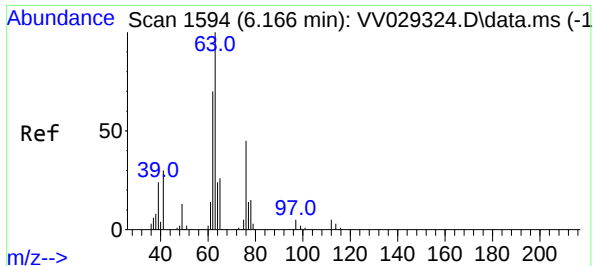


#35
Methylcyclohexane
Concen: 0.867 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Tgt Ion: 83 Resp: 26377

Ion	Ratio	Lower	Upper
83	100		
55	0.2	55.4	83.2#
98	1.3	39.4	59.2#

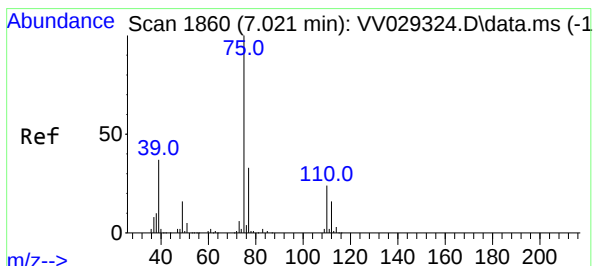
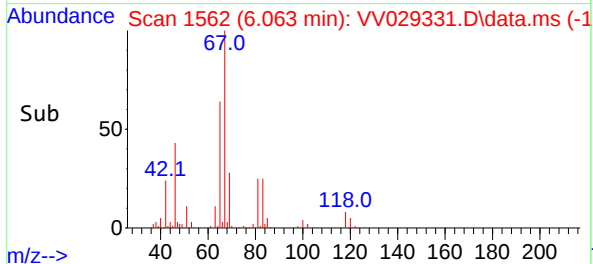
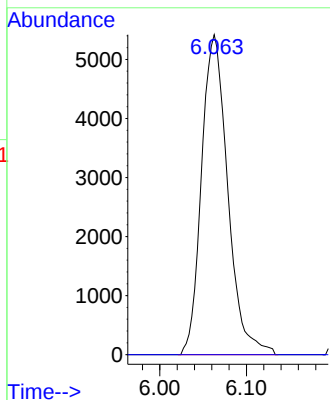
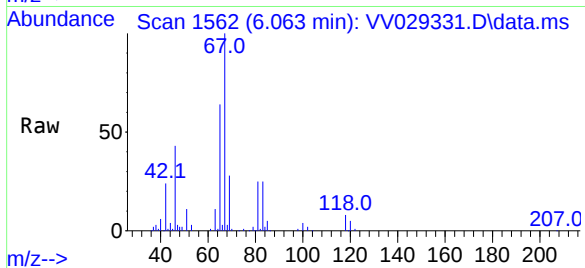




#37
1,2-Dichloropropane
Concen: 0.685 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.103 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

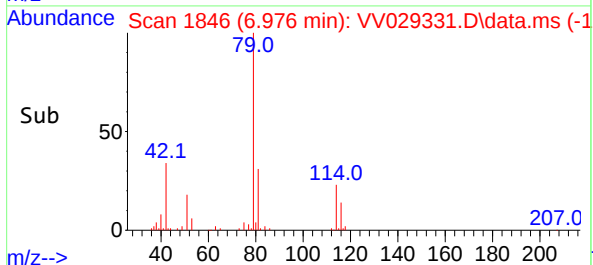
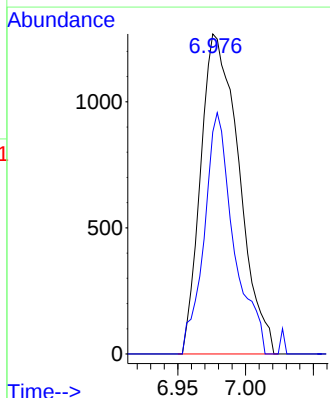
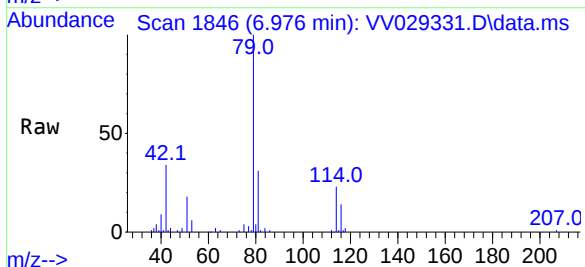
Instrument :
MSVOA_V
ClientSampleId :

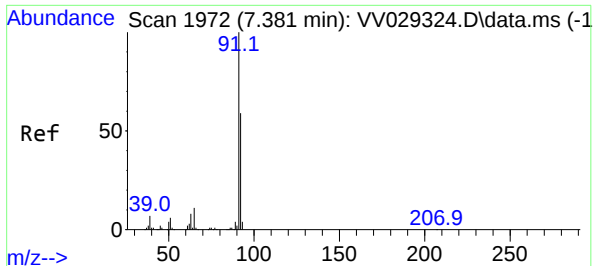
Tgt Ion: 63 Resp: 11409
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#



#39
cis-1,3-Dichloropropene
Concen: 0.102 ug/L
RT: 6.976 min Scan# 1846
Delta R.T. -0.045 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Tgt Ion: 75 Resp: 2493
Ion Ratio Lower Upper
75 100
77 69.3 22.7 42.3#





#42

Toluene

Concen: 0.310 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV029331.D

Acq: 24 Nov 2022 06:52

Instrument :

MSVOA_V

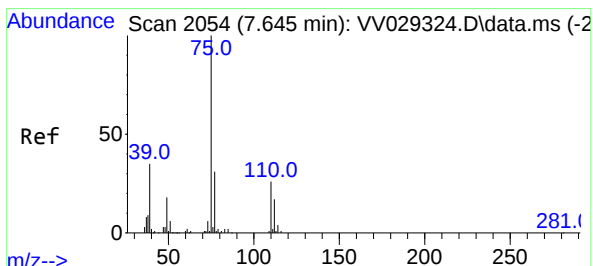
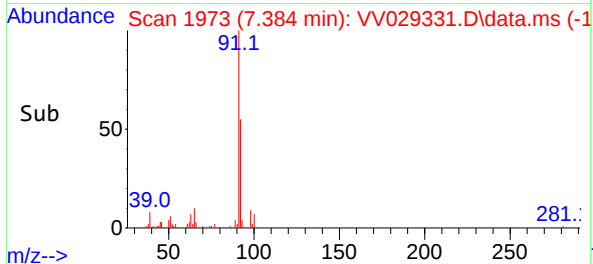
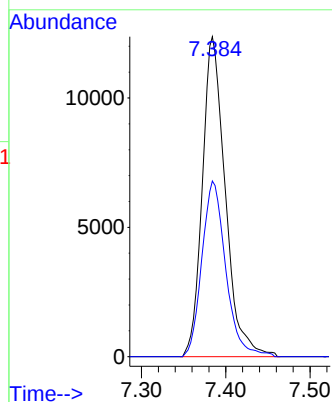
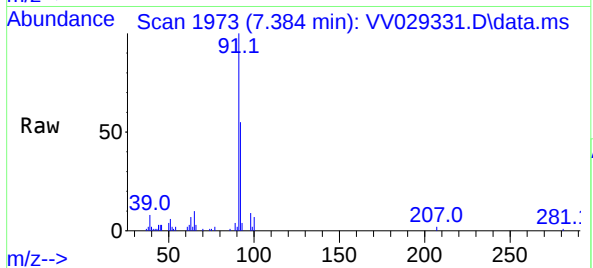
ClientSampleId :

Tgt Ion: 91 Resp: 23491

Ion Ratio Lower Upper

91 100

92 54.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.612 min Scan# 2044

Delta R.T. -0.032 min

Lab File: VV029331.D

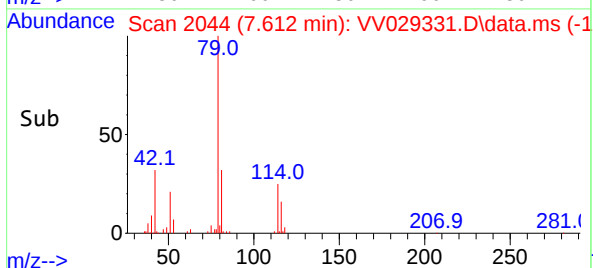
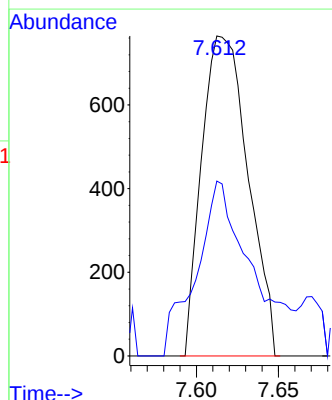
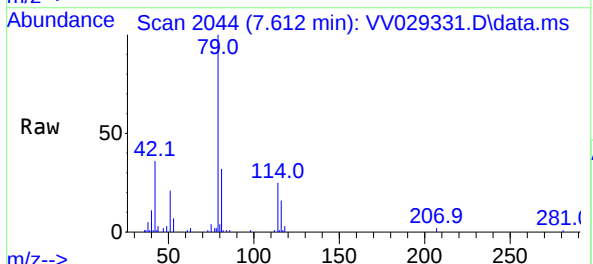
Acq: 24 Nov 2022 06:52

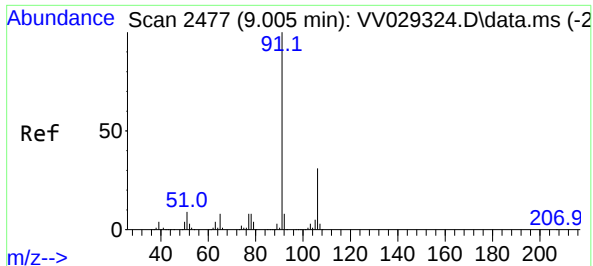
Tgt Ion: 75 Resp: 1503

Ion Ratio Lower Upper

75 100

77 54.6 22.4 41.6#





#52

Ethylbenzene

Concen: 0.160 ug/L

RT: 9.008 min Scan# 2477

Delta R.T. 0.003 min

Lab File: VV029331.D

Acq: 24 Nov 2022 06:52

Instrument :

MSVOA_V

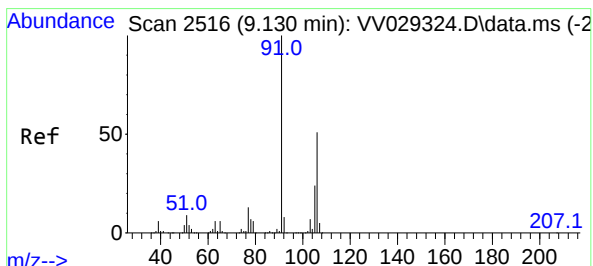
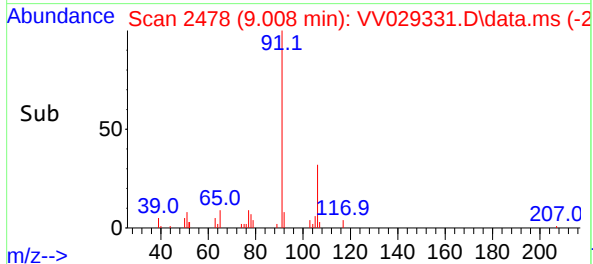
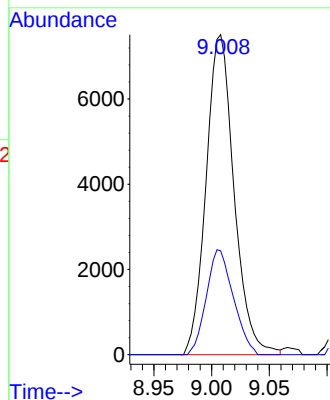
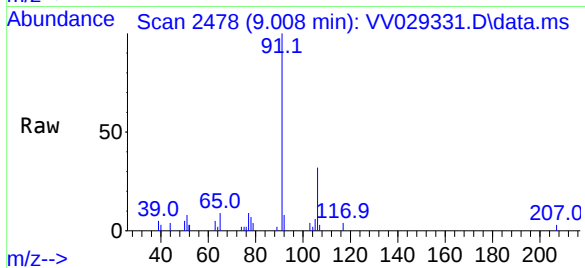
ClientSampleId :

Tgt Ion: 91 Resp: 12652

Ion Ratio Lower Upper

91 100

106 32.5 21.9 40.7



#53

m,p-Xylene

Concen: 0.552 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. -0.000 min

Lab File: VV029331.D

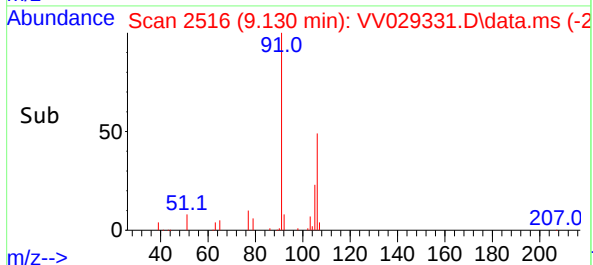
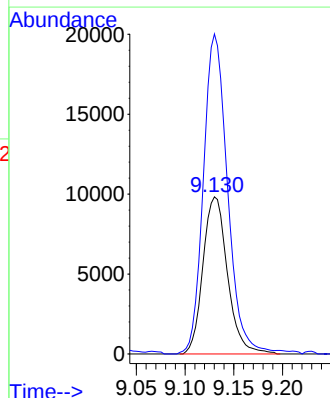
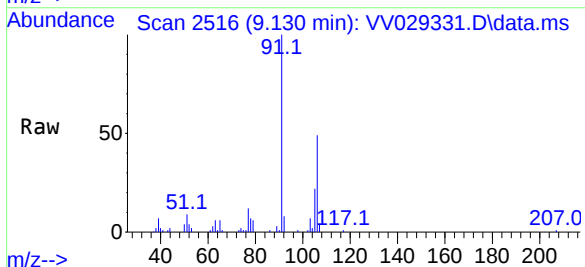
Acq: 24 Nov 2022 06:52

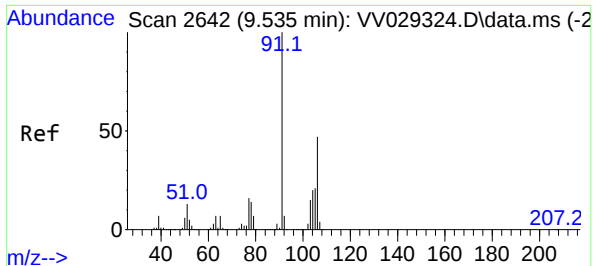
Tgt Ion: 106 Resp: 17212

Ion Ratio Lower Upper

106 100

91 203.7 140.6 261.2

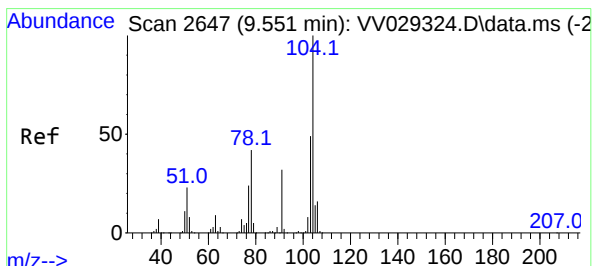
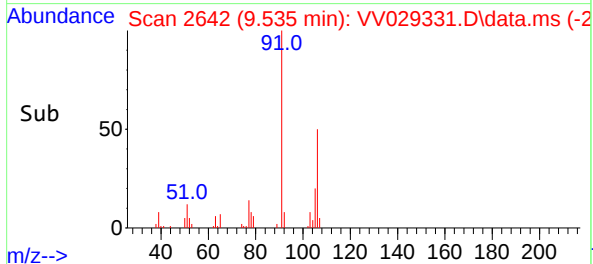
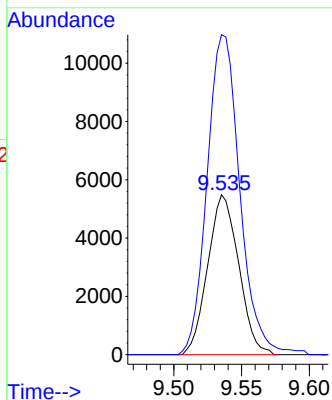
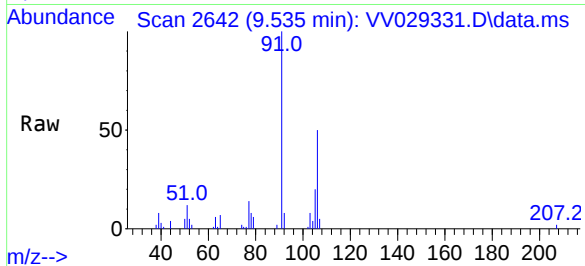




#54
o-Xylene
Concen: 0.285 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. -0.000 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

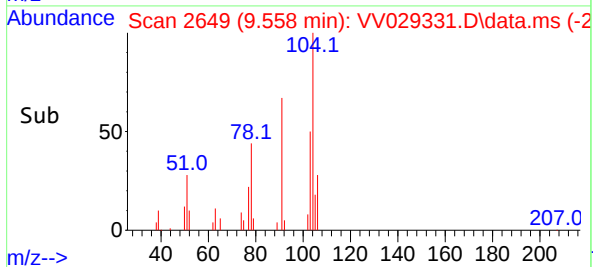
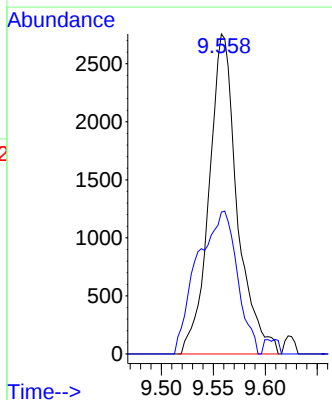
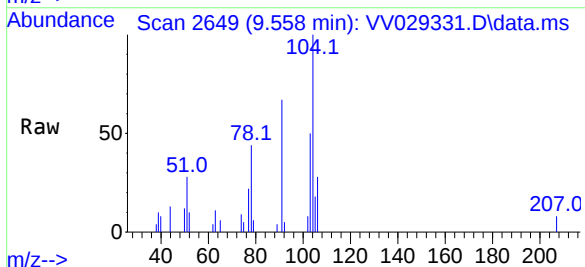
Instrument :
MSVOA_V
ClientSampleId :

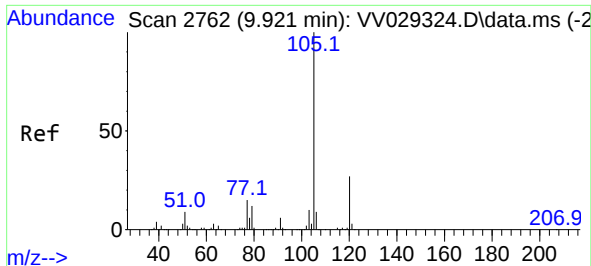
Tgt Ion:106 Resp: 8733
Ion Ratio Lower Upper
106 100
91 200.0 146.9 272.9



#55
Styrene
Concen: 0.100 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.006 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

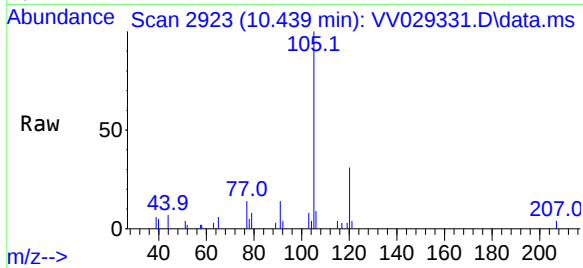
Tgt Ion:104 Resp: 5196
Ion Ratio Lower Upper
104 100
78 44.4 29.9 55.5



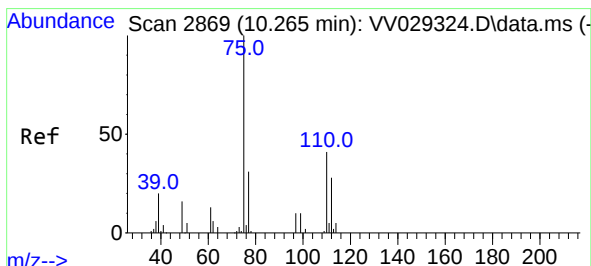
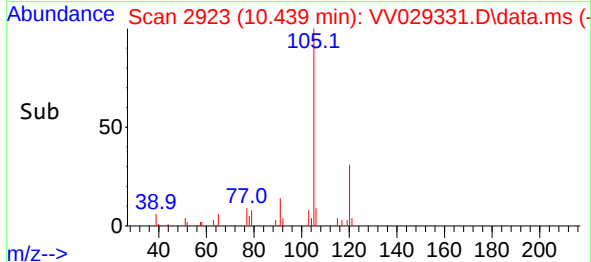
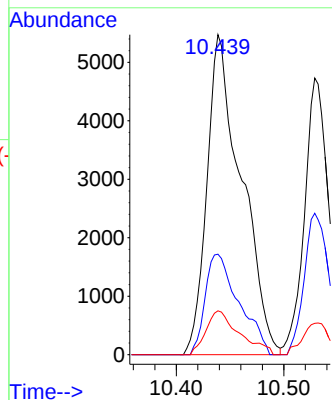


#60
Isopropylbenzene
Concen: 0.159 ug/L
RT: 10.439 min Scan# 21
Delta R.T. 0.518 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Instrument :
MSVOA_V
ClientSampleId :

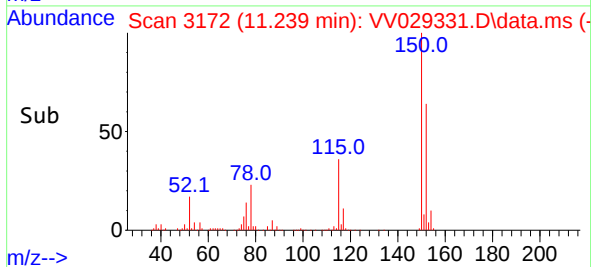
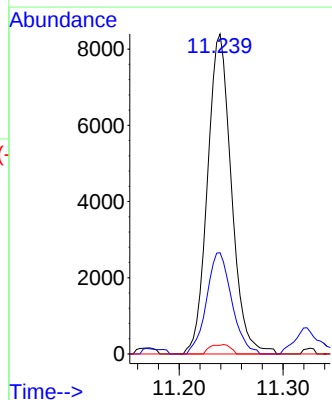
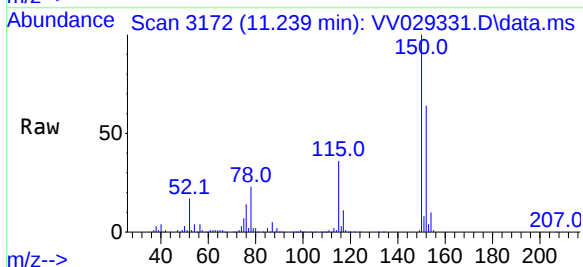


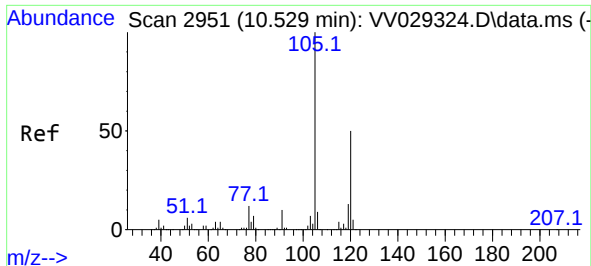
Tgt Ion:105 Resp: 12162
Ion Ratio Lower Upper
105 100
120 30.9 21.4 32.2
77 13.3 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 1.633 ug/L
RT: 11.239 min Scan# 3172
Delta R.T. 0.974 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Tgt Ion: 75 Resp: 13409
Ion Ratio Lower Upper
75 100
77 33.3 26.7 40.1
110 2.5 32.2 48.4#

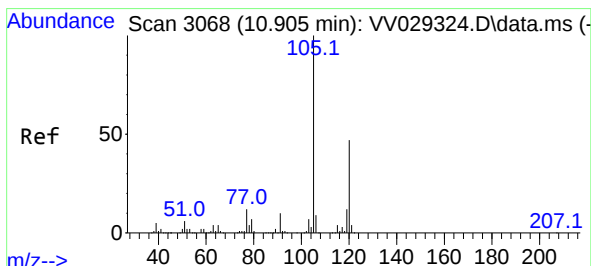
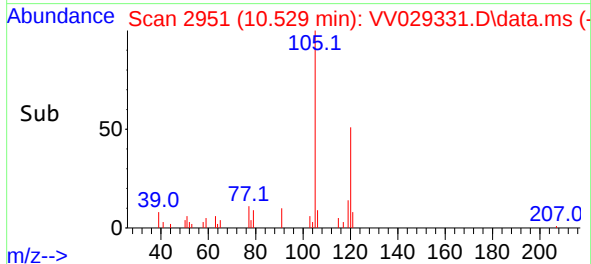
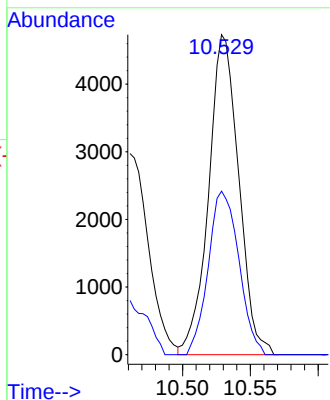
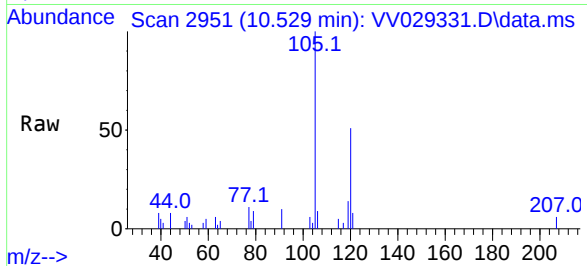




#62
1,3,5-Trimethylbenzene
Concen: 0.110 ug/L
RT: 10.529 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

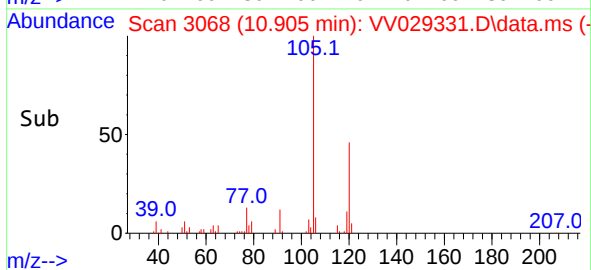
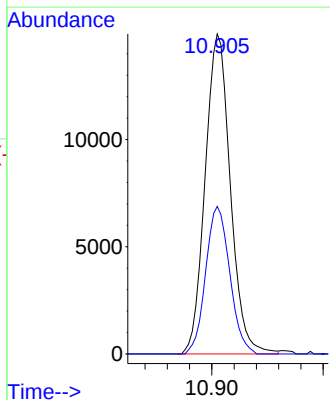
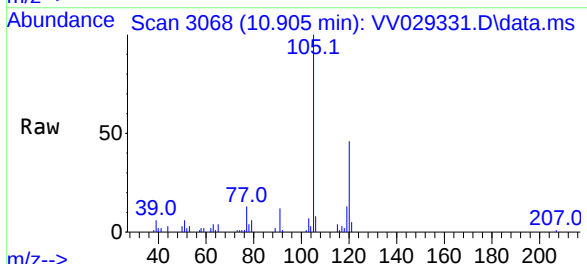
Instrument :
MSVOA_V
ClientSampleId :

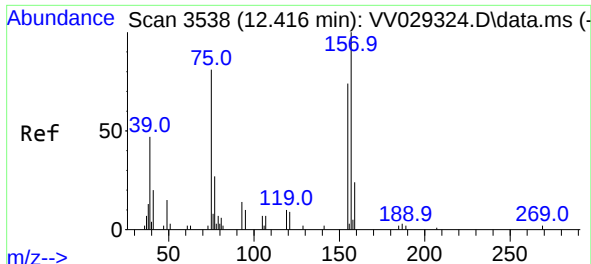
Tgt Ion:105 Resp: 7313
Ion Ratio Lower Upper
105 100
120 51.9 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 0.352 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VV029331.D
Acq: 24 Nov 2022 06:52

Tgt Ion:105 Resp: 23461
Ion Ratio Lower Upper
105 100
120 44.0 37.2 55.8





#68

1,2-Dibromo-3-chloropropane

Concen: 0.146 ug/L

RT: 12.455 min Scan# 3550

Delta R.T. 0.039 min

Lab File: VV029331.D

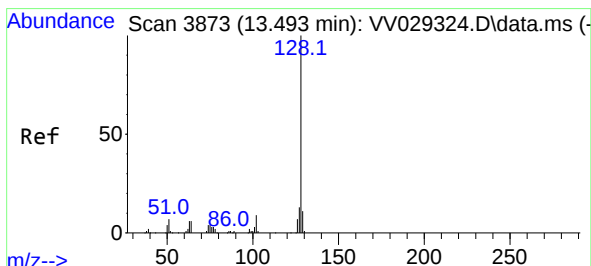
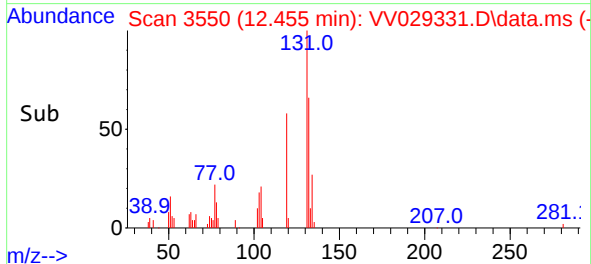
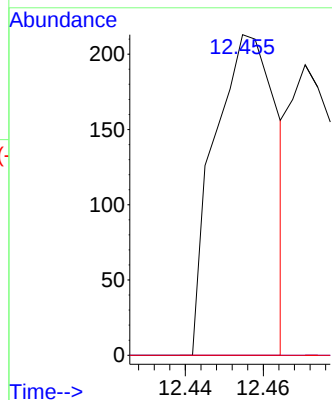
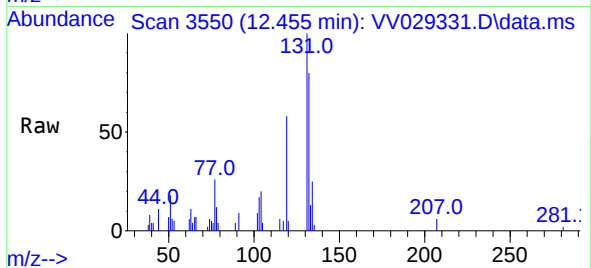
Acq: 24 Nov 2022 06:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 75	Resp:	235
Ion Ratio	Lower	Upper
75	100	
155	0.0	76.6 115.0#
157	0.0	96.9 145.3#



#71

Naphthalene

Concen: 6.486 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. -0.000 min

Lab File: VV029331.D

Acq: 24 Nov 2022 06:52

Tgt Ion: 128	Resp:	133839
Ion Ratio	Lower	Upper
128	100	
129	10.7	8.9 13.3
127	12.6	10.6 15.8

