

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U062122\
 Data File : U049335.D
 Acq On : 21 Jun 2022 18:42
 Operator : SY/MD
 Sample : N3400-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AD8

Quant Time: Jun 22 01:51:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 22 01:47:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.279	114	130685	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.423	117	124106	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	66164	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	33340	2.920	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.400%
7) Chloroethane-d5	1.916	69	27209	3.520	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.400%
11) 1,1-Dichloroethene-d2	2.575	65	13117	2.856	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.200%#
20) 2-Butanone-d5	4.713	46	146909	48.183	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.360%
24) Chloroform-d	5.086	84	77505	4.326	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.745	65	43316	4.407	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
32) Benzene-d6	5.761	84	143318	3.833	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.600%
36) 1,2-Dichloropropane-d6	6.719	67	54871	4.324	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.912	98	124126	3.687	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.800%
43) trans-1,3-Dichloroprop...	8.192	79	18384	3.261	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.200%
46) 2-Hexanone-d5	8.652	63	108000	47.492	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.980%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	45674	4.495	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	53387	4.205	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.000%
Target Compounds						
					Qvalue	
8) Chloroethane	1.938	64	99832	15.698	ug/L	95
15) Methyl Acetate	3.044	43	13942	3.455	ug/L #	54
18) trans-1,2-Dichloroethene	3.363	96	1963	0.241	ug/L	89
21) 2-Butanone	4.527	43	27950	9.714	ug/L #	51
27) 1,2-Dichloroethane	5.809	62	9729	0.917	ug/L #	82
30) Cyclohexane	5.411	56	419685	24.896	ug/L	98
33) Benzene	5.809	78	1028248	27.844	ug/L	100
35) Methylcyclohexane	6.780	83	397456	25.106	ug/L	91
37) 1,2-Dichloropropane	6.774	63	4823	0.475	ug/L #	64
38) Bromodichloromethane	7.089	83	1477	0.119	ug/L #	42
39) cis-1,3-Dichloropropene	7.584	75	1529	0.099	ug/L #	51
42) Toluene	7.983	91	12747	0.326	ug/L	97
45) 1,1,2-Trichloroethane	8.378	97	32645	4.615	ug/L #	16
51) Chlorobenzene	9.456	112	4868	0.204	ug/L	93
52) Ethylbenzene	9.575	91	3185248	74.474	ug/L	99
53) m,p-Xylene	9.700	106	1337319	84.139	ug/L	98
60) Isopropylbenzene	10.488	105	3591182	79.683	ug/L	99
61) 1,2,3-Trichloropropane	10.909	75	36479	4.914	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.468	105	257170	6.465	ug/L	95

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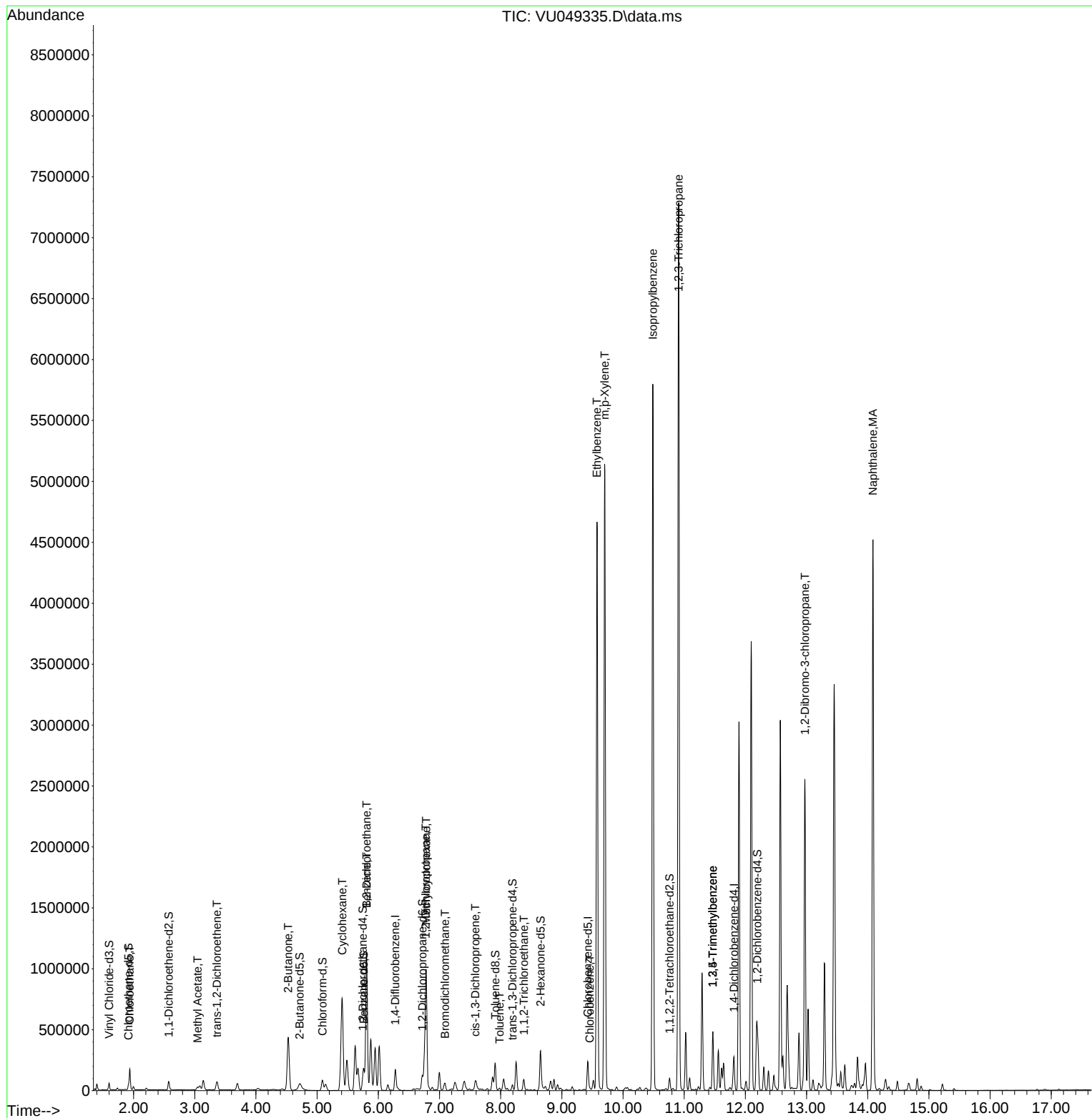
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.468	105	257170	6.525	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.973	75	11180	5.526	ug/L #	10
71) Naphthalene	14.086	128	3297707	144.328	ug/L	99

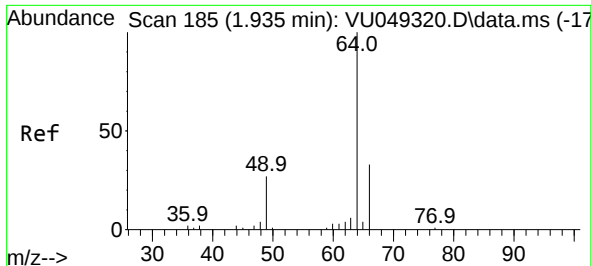
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 15.698 ug/L

RT: 1.938 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049335.D

Acq: 21 Jun 2022 18:42

Instrument :

MSVOA_U

ClientSampleId :

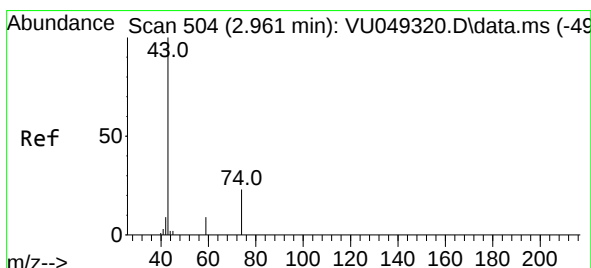
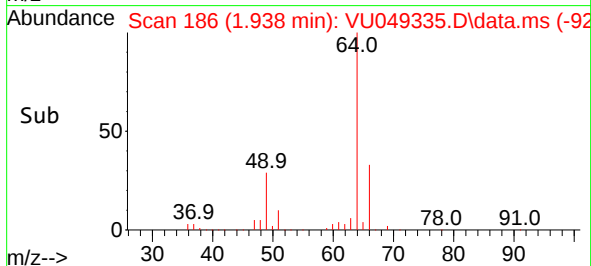
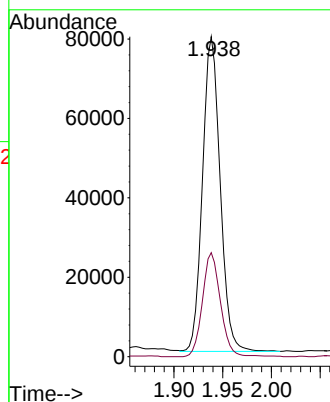
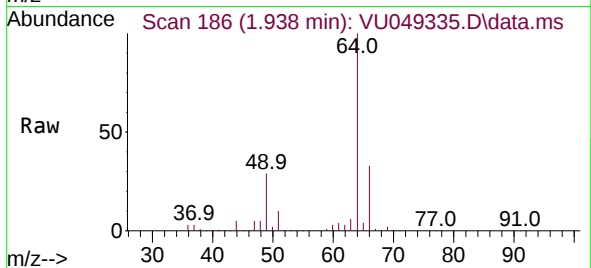
C0AD8

Tgt Ion: 64 Resp: 99832

Ion Ratio Lower Upper

64 100

66 32.5 20.9 38.9



#15

Methyl Acetate

Concen: 3.455 ug/L

RT: 3.044 min Scan# 530

Delta R.T. 0.084 min

Lab File: VU049335.D

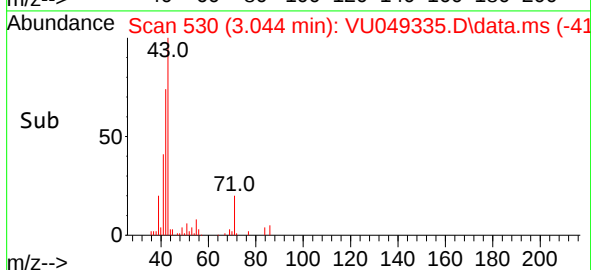
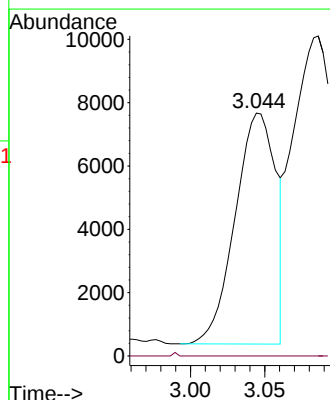
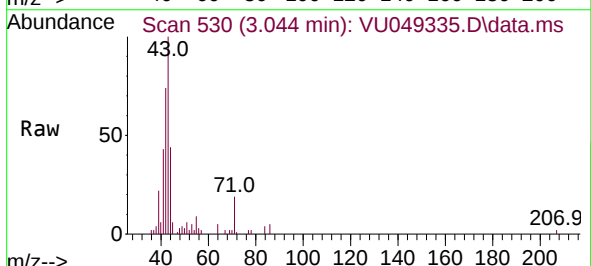
Acq: 21 Jun 2022 18:42

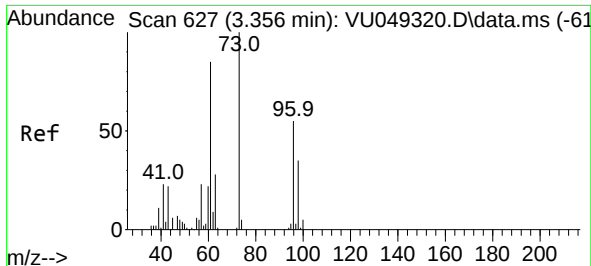
Tgt Ion: 43 Resp: 13942

Ion Ratio Lower Upper

43 100

74 0.2 17.6 26.4#

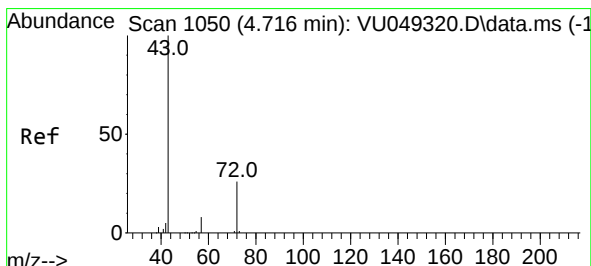
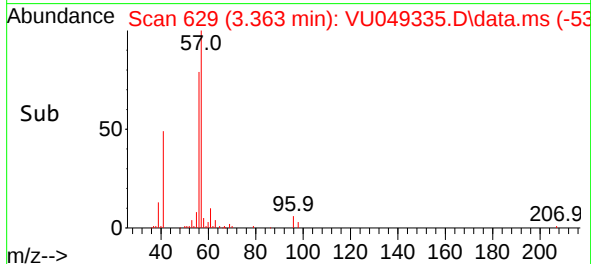
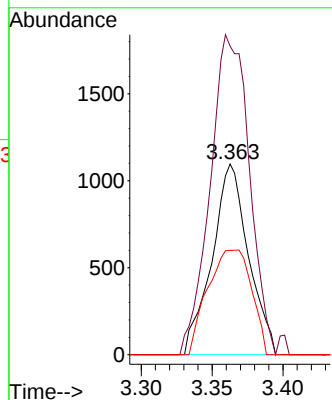
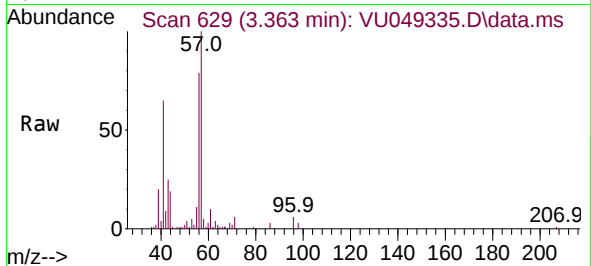




#18
trans-1,2-Dichloroethene
Concen: 0.241 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

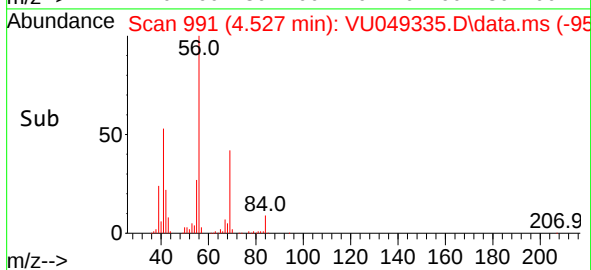
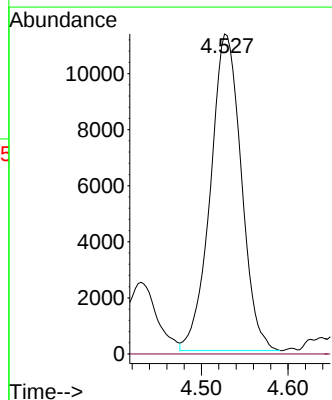
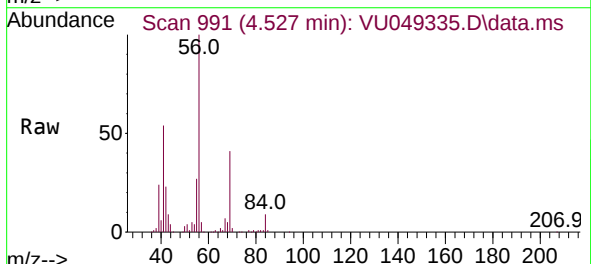
Instrument :
MSVOA_U
ClientSampleId :
C0AD8

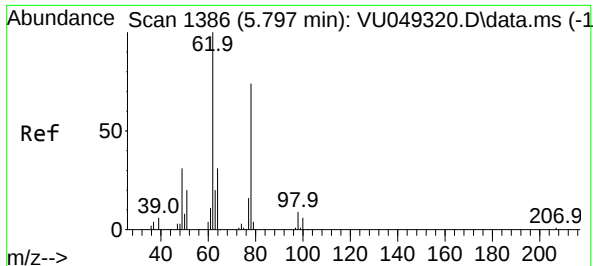
Tgt Ion: 96 Resp: 1963
Ion Ratio Lower Upper
96 100
61 161.7 103.3 191.9
98 54.6 44.0 81.8



#21
2-Butanone
Concen: 9.714 ug/L
RT: 4.527 min Scan# 991
Delta R.T. -0.190 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

Tgt Ion: 43 Resp: 27950
Ion Ratio Lower Upper
43 100
72 0.2 12.2 36.6#





#27

1,2-Dichloroethane

Concen: 0.917 ug/L

RT: 5.809 min Scan# 11

Delta R.T. 0.013 min

Lab File: VU049335.D

Acq: 21 Jun 2022 18:42

Instrument :

MSVOA_U

ClientSampleId :

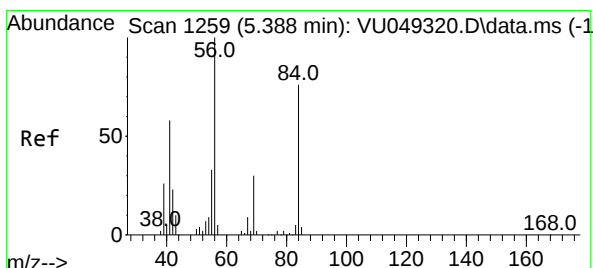
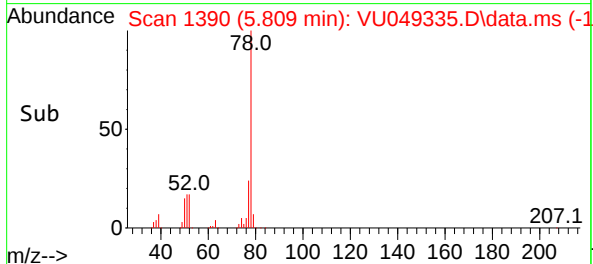
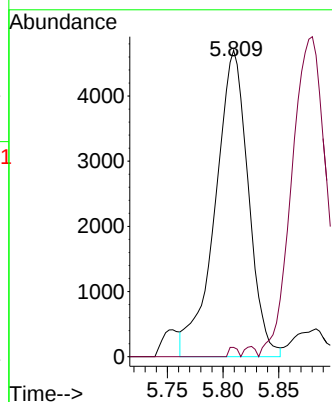
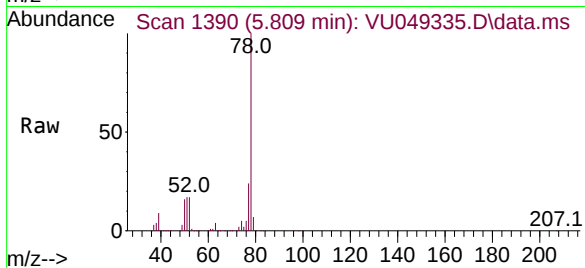
C0AD8

Tgt Ion: 62 Resp: 9729

Ion Ratio Lower Upper

62 100

98 3.0 7.6 11.4#



#30

Cyclohexane

Concen: 24.896 ug/L

RT: 5.411 min Scan# 1266

Delta R.T. 0.023 min

Lab File: VU049335.D

Acq: 21 Jun 2022 18:42

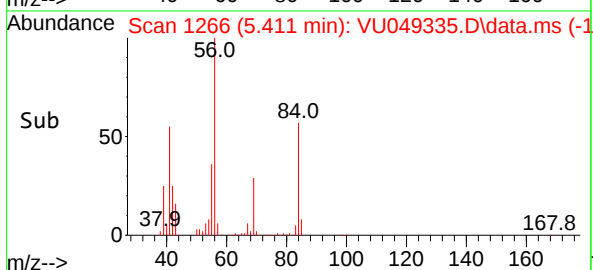
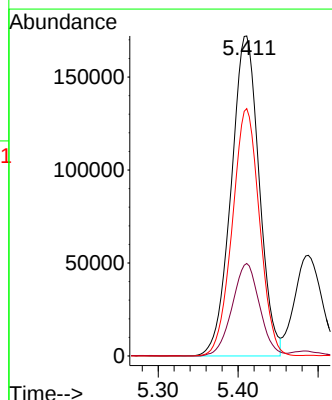
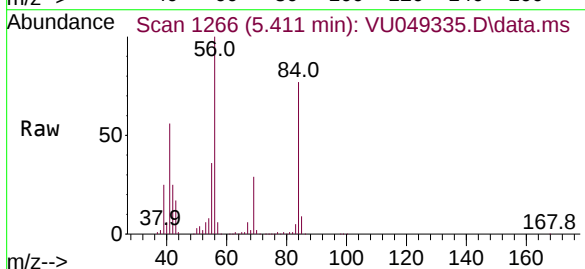
Tgt Ion: 56 Resp: 419685

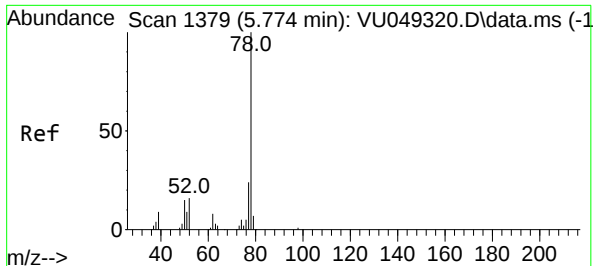
Ion Ratio Lower Upper

56 100

69 28.2 23.8 35.6

84 75.0 61.2 91.8

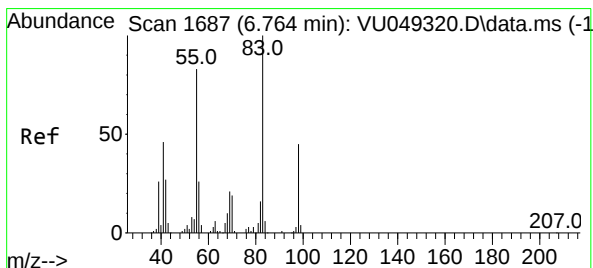
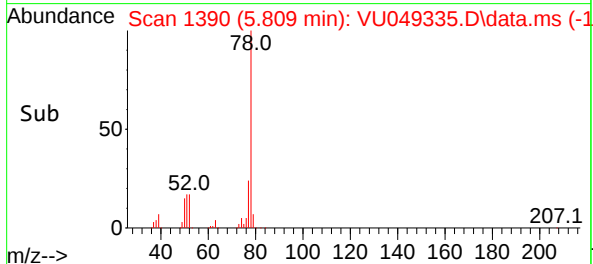
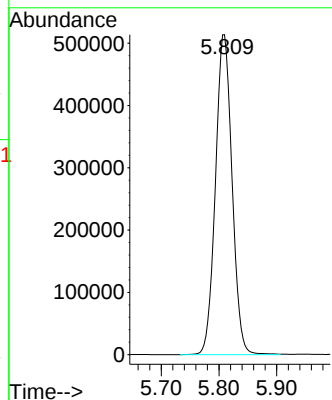
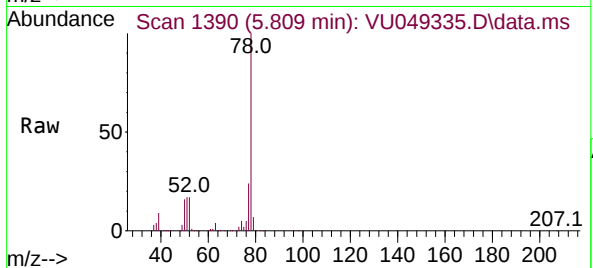




#33
Benzene
Concen: 27.844 ug/L
RT: 5.809 min Scan# 11
Delta R.T. 0.035 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

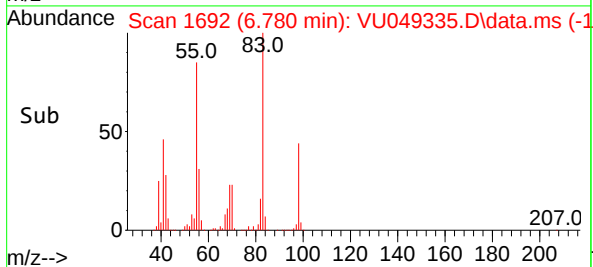
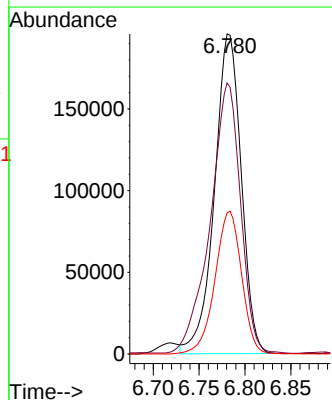
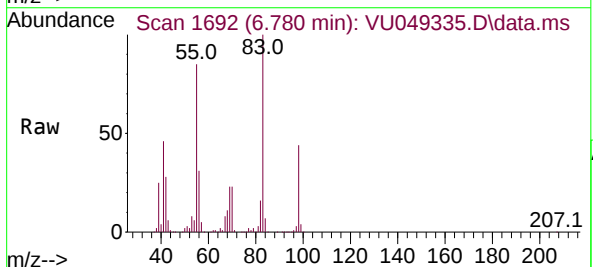
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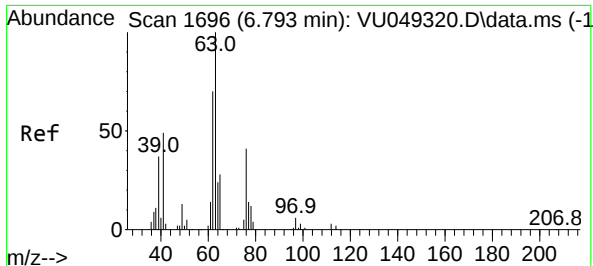
Tgt Ion: 78 Resp: 1028248



#35
Methylcyclohexane
Concen: 25.106 ug/L
RT: 6.780 min Scan# 1692
Delta R.T. 0.016 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

Tgt Ion: 83 Resp: 397456
Ion Ratio Lower Upper
83 100
55 95.6 66.9 100.3
98 44.3 35.5 53.3





#37

1,2-Dichloropropane

Concen: 0.475 ug/L

RT: 6.774 min Scan# 1

Delta R.T. -0.019 min

Lab File: VU049335.D

Acq: 21 Jun 2022 18:42

Instrument :

MSVOA_U

ClientSampleId :

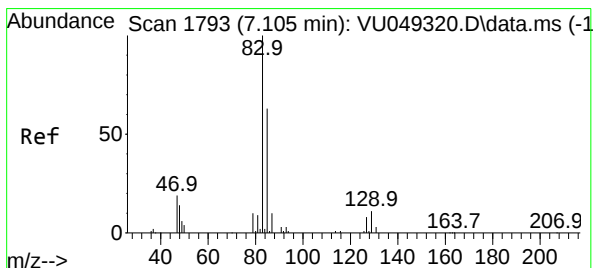
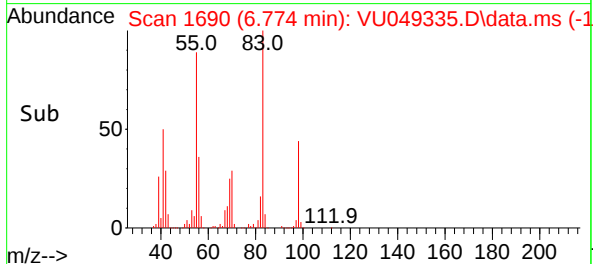
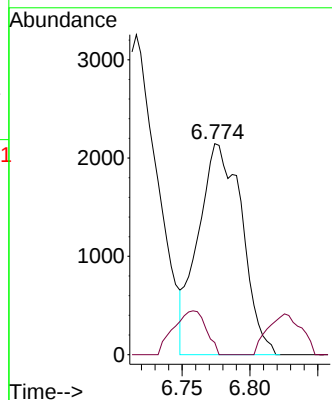
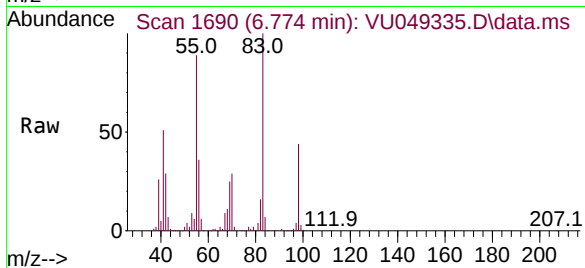
C0AD8

Tgt Ion: 63 Resp: 4823

Ion Ratio Lower Upper

63 100

112 15.3 2.8 4.2#



#38

Bromodichloromethane

Concen: 0.119 ug/L

RT: 7.089 min Scan# 1788

Delta R.T. -0.016 min

Lab File: VU049335.D

Acq: 21 Jun 2022 18:42

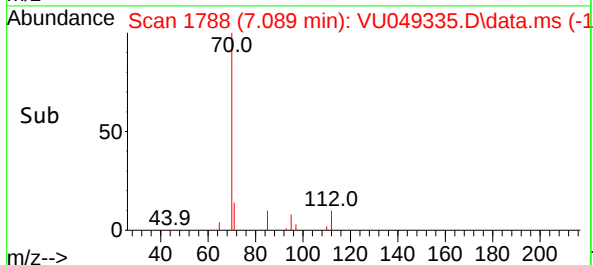
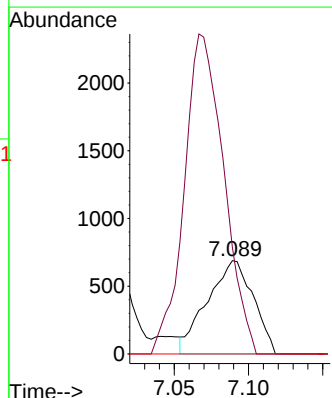
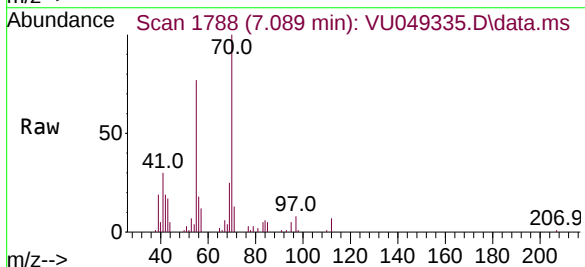
Tgt Ion: 83 Resp: 1477

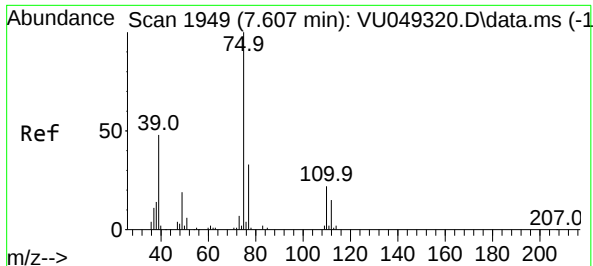
Ion Ratio Lower Upper

83 100

85 114.5 45.5 84.5#

127 0.0 7.1 10.7#





#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.584 min Scan# 1949

Delta R.T. -0.022 min

Lab File: VU049335.D

Acq: 21 Jun 2022 18:42

Instrument :

MSVOA_U

ClientSampleId :

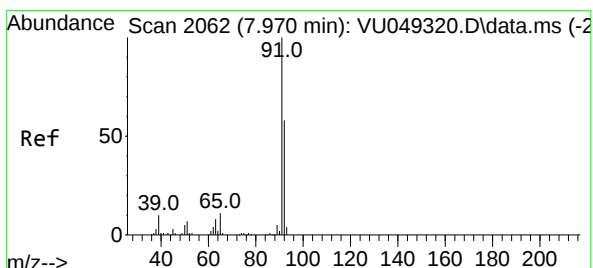
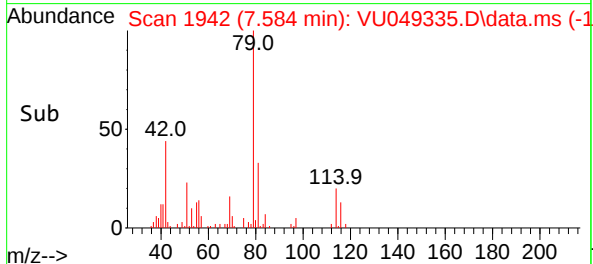
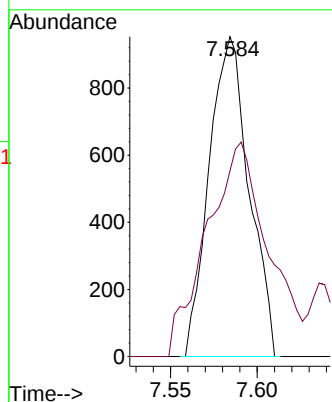
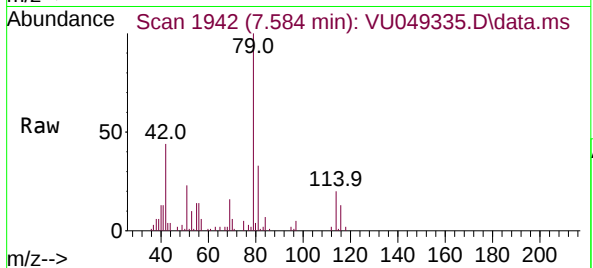
C0AD8

Tgt Ion: 75 Resp: 1529

Ion Ratio Lower Upper

75 100

77 58.0 21.8 40.4#



#42

Toluene

Concen: 0.326 ug/L

RT: 7.983 min Scan# 2066

Delta R.T. 0.013 min

Lab File: VU049335.D

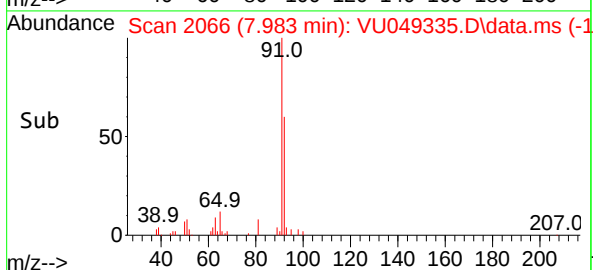
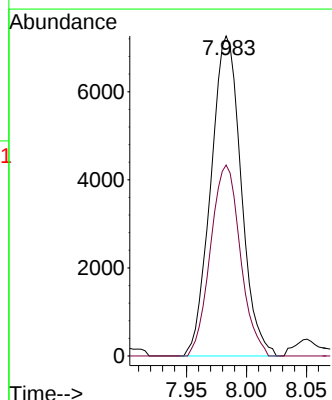
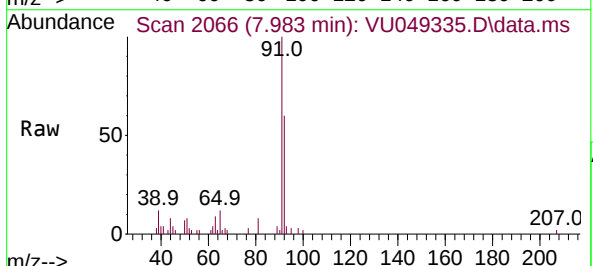
Acq: 21 Jun 2022 18:42

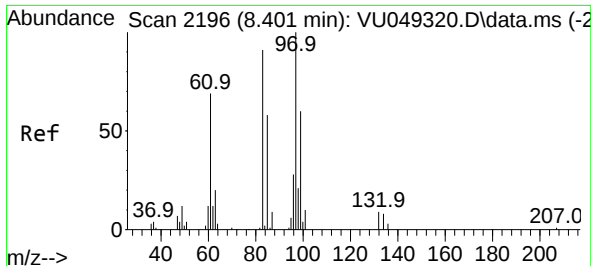
Tgt Ion: 91 Resp: 12747

Ion Ratio Lower Upper

91 100

92 59.6 40.0 74.2

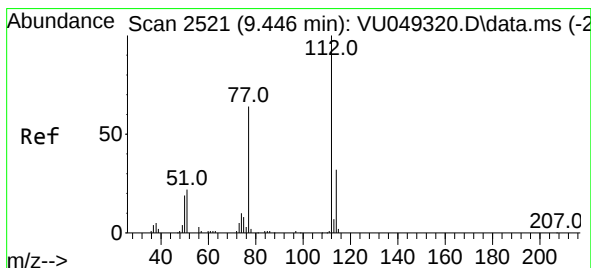
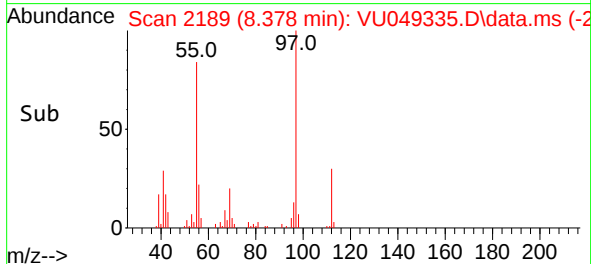
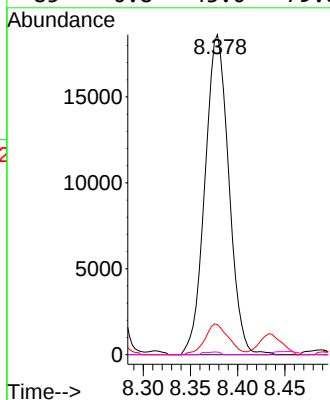
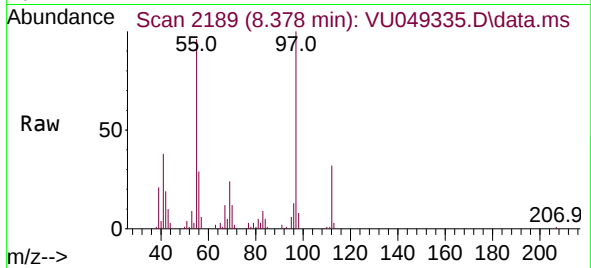




#45
1,1,2-Trichloroethane
Concen: 4.615 ug/L
RT: 8.378 min Scan# 2196
Delta R.T. -0.022 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

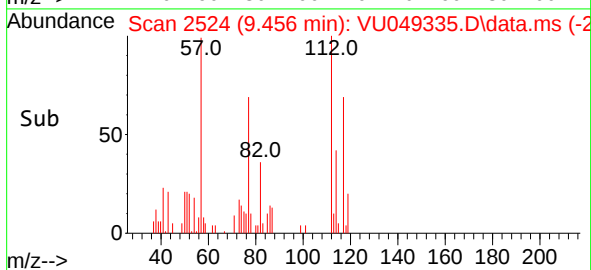
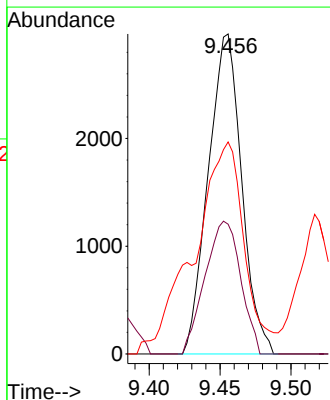
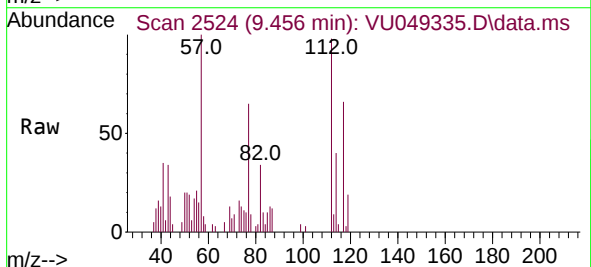
Instrument :
MSVOA_U
ClientSampleId :
C0AD8

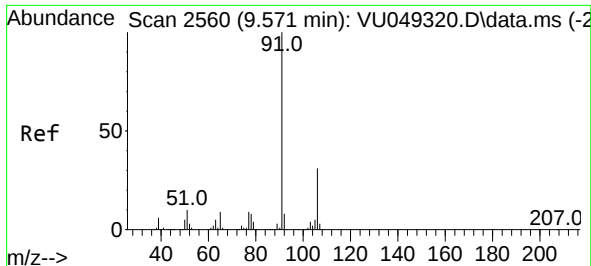
Tgt Ion: 97	Resp:	32645
Ion Ratio	Lower	Upper
97	100	
99	0.0	45.6 84.8#
83	9.4	65.4 121.4#
85	0.8	43.0 79.8#



#51
Chlorobenzene
Concen: 0.204 ug/L
RT: 9.456 min Scan# 2524
Delta R.T. 0.010 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

Tgt Ion: 112	Resp:	4868
Ion Ratio	Lower	Upper
112	100	
114	40.6	22.3 41.3
77	66.3	51.0 76.6

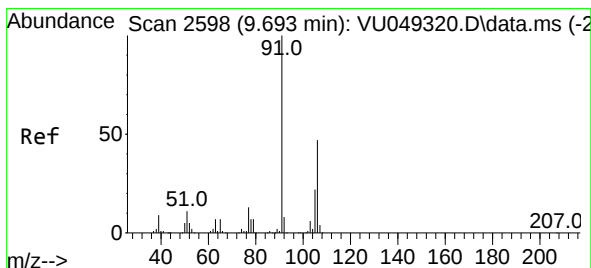
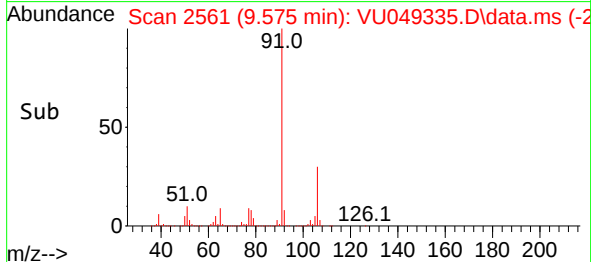
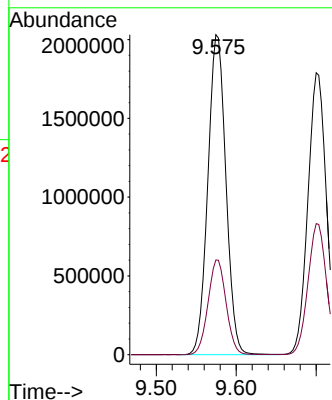
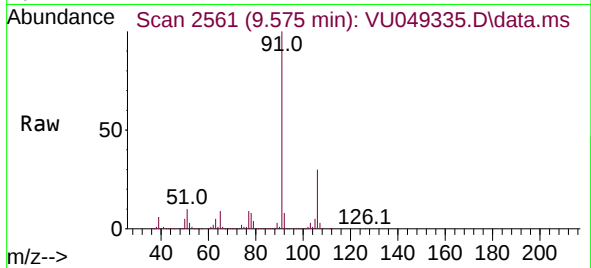




#52
Ethylbenzene
Concen: 74.474 ug/L
RT: 9.575 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

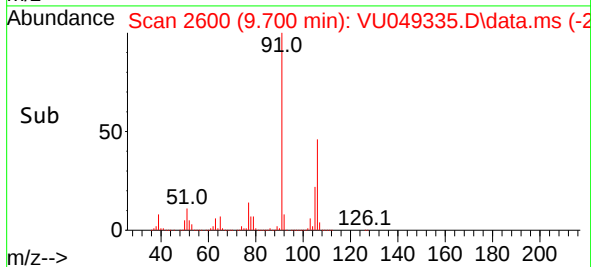
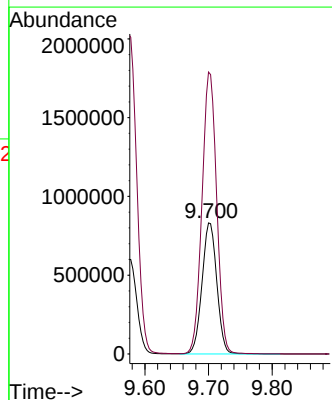
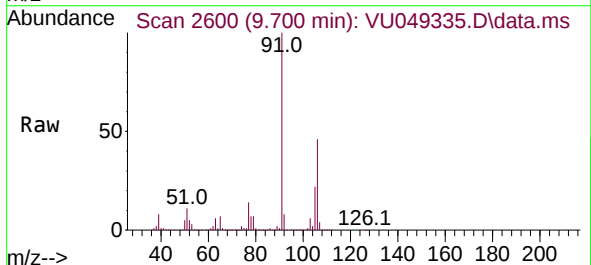
Instrument :
MSVOA_U
ClientSampleId :
C0AD8

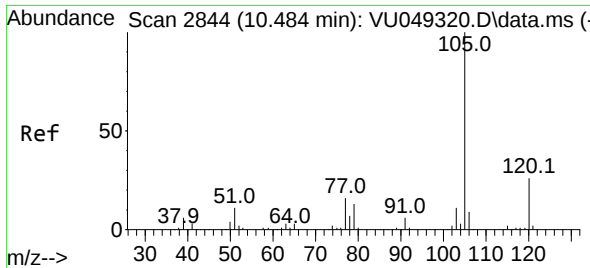
Tgt Ion: 91 Resp: 3185248
Ion Ratio Lower Upper
91 100
106 29.6 21.2 39.4



#53
m,p-Xylene
Concen: 84.139 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.007 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

Tgt Ion:106 Resp: 1337319
Ion Ratio Lower Upper
106 100
91 215.2 148.5 275.7

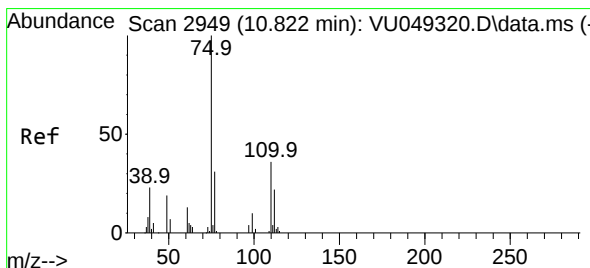
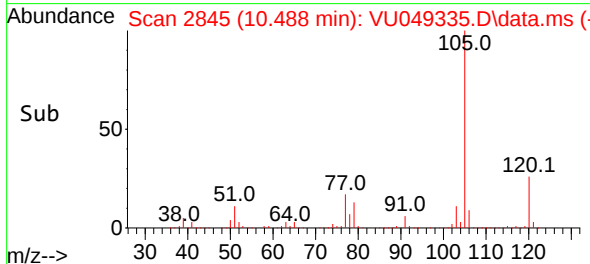
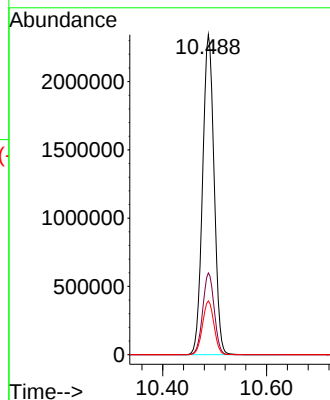
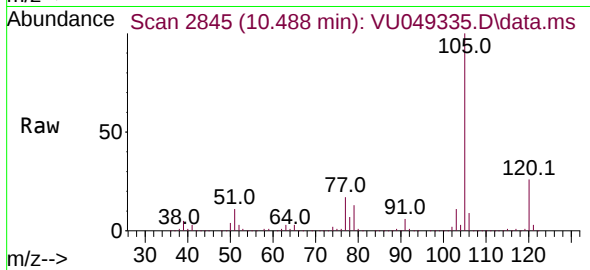




#60
Isopropylbenzene
Concen: 79.683 ug/L
RT: 10.488 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

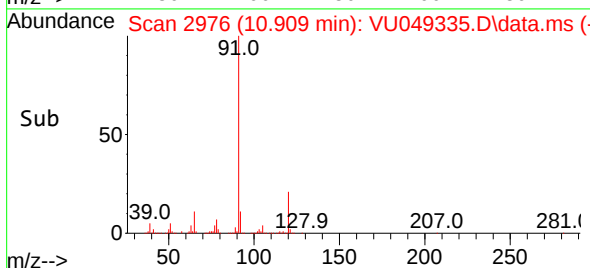
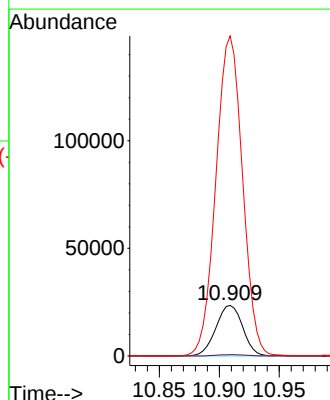
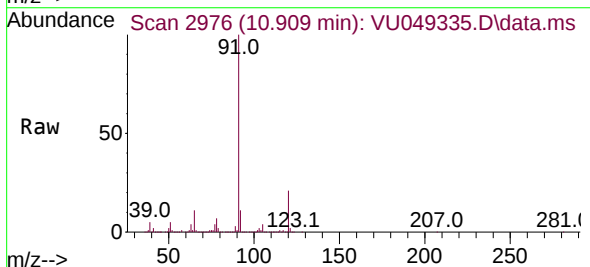
Instrument :
MSVOA_U
ClientSampleId :
C0AD8

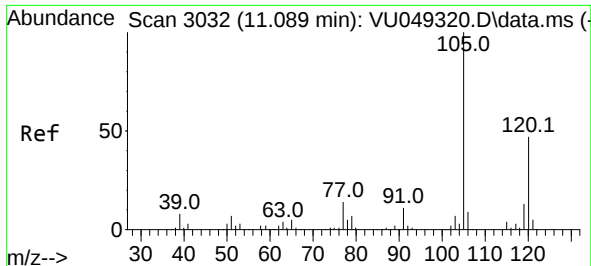
Tgt Ion:105 Resp: 3591182
Ion Ratio Lower Upper
105 100
120 25.5 20.3 30.5
77 16.8 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.914 ug/L
RT: 10.909 min Scan# 2976
Delta R.T. 0.087 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

Tgt Ion: 75 Resp: 36479
Ion Ratio Lower Upper
75 100
110 2.8 29.0 43.4#
77 629.2 26.2 39.2#





#62

1,3,5-Trimethylbenzene

Concen: 6.465 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.379 min

Lab File: VU049335.D

Acq: 21 Jun 2022 18:42

Instrument :

MSVOA_U

ClientSampleId :

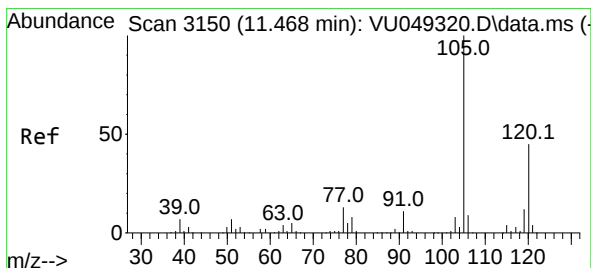
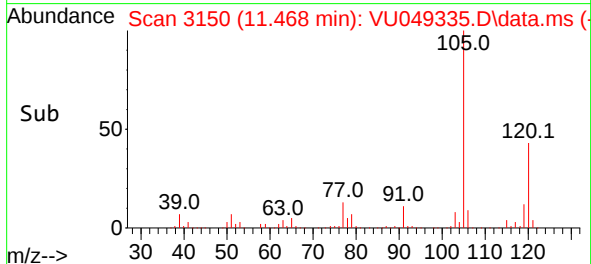
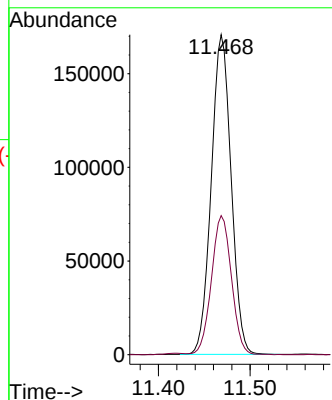
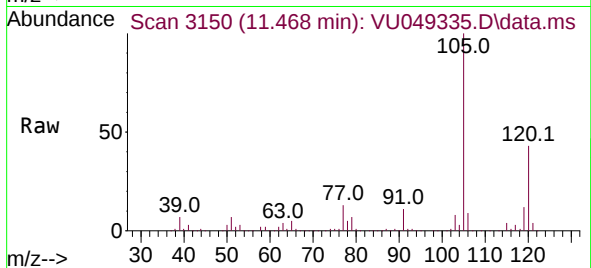
C0AD8

Tgt Ion:105 Resp: 257170

Ion Ratio Lower Upper

105 100

120 43.8 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 6.525 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049335.D

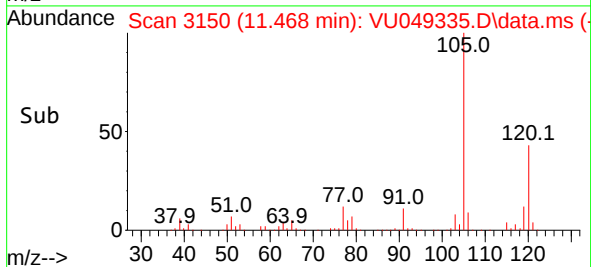
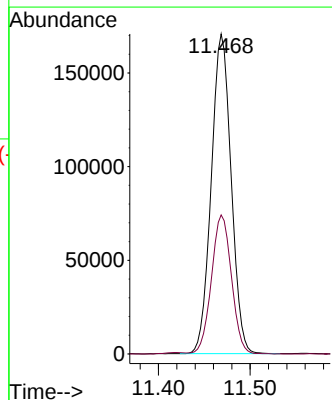
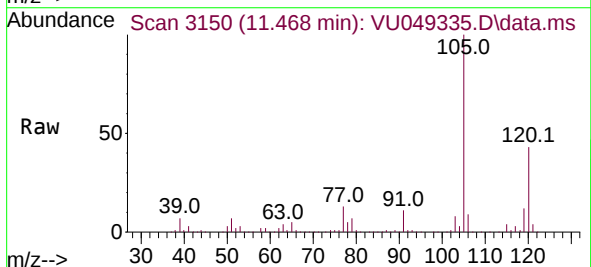
Acq: 21 Jun 2022 18:42

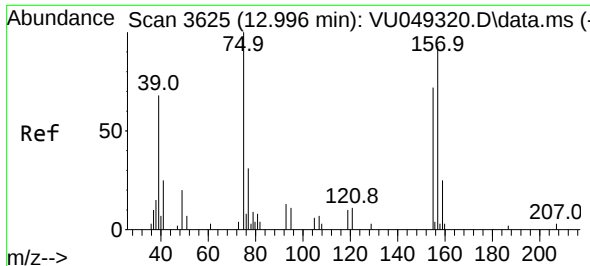
Tgt Ion:105 Resp: 257170

Ion Ratio Lower Upper

105 100

120 43.8 34.6 52.0

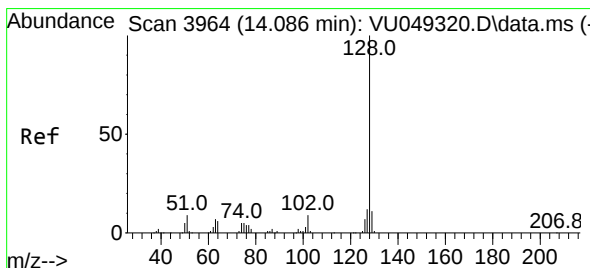
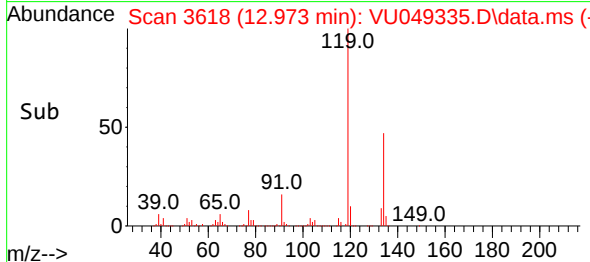
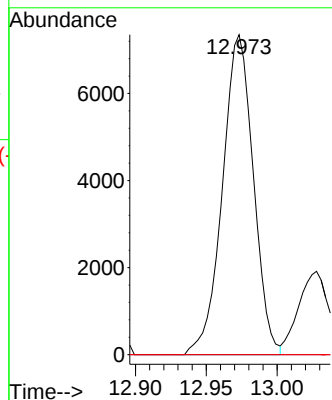
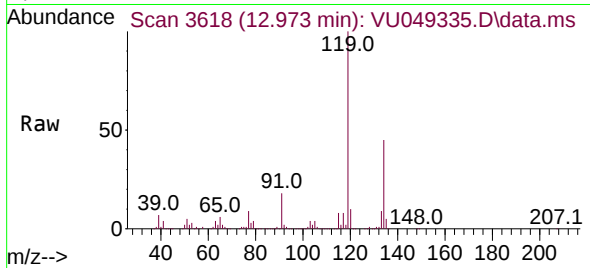




#68
1,2-Dibromo-3-chloropropane
Concen: 5.526 ug/L
RT: 12.973 min Scan# 3618
Delta R.T. -0.022 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

Instrument :
MSVOA_U
ClientSampleId :
C0AD8

Tgt Ion: 75 Resp: 11180
Ion Ratio Lower Upper
75 100
155 0.0 52.0 78.0#
157 0.0 71.4 107.2#



#71
Naphthalene
Concen: 144.328 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049335.D
Acq: 21 Jun 2022 18:42

Tgt Ion:128 Resp: 3297707
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 12.9 10.2 15.4

