

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
 Data File : VU049337.D
 Acq On : 21 Jun 2022 19:29
 Operator : SY/MD
 Sample : N3400-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE5

Quant Time: Jun 22 01:51:35 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	6.247	114	142177	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	131729	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	66746	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.588	65	39653	3.192	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.800%
7) Chloroethane-d5	1.906	69	32844	3.905	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.559	65	16679	3.338	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.800%
20) 2-Butanone-d5	4.694	46	147678	44.520	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.040%
24) Chloroform-d	5.060	84	76920	3.946	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
26) 1,2-Dichloroethane-d4	5.703	65	44692	4.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
32) Benzene-d6	5.719	84	153262	3.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.200%
36) 1,2-Dichloropropane-d6	6.694	67	54871	4.074	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.400%
41) Toluene-d8	7.896	98	127219	3.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
43) trans-1,3-Dichloroprop...	8.179	79	18898	3.158	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.200%
46) 2-Hexanone-d5	8.645	63	109267	45.268	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.540%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	46939	4.353	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	54145	4.227	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.600%
Target Compounds						
					Qvalue	
8) Chloroethane	1.929	64	6260	0.905	ug/L #	72
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	398	0.048	ug/L #	21
14) Carbon disulfide	2.781	76	4605	0.174	ug/L #	80
15) Methyl Acetate	3.031	43	4328	0.986	ug/L #	54
19) 1,1-Dichloroethane	3.864	63	2273	0.130	ug/L	91
30) Cyclohexane	5.369	56	56763	3.172	ug/L	97
33) Benzene	5.768	78	23939	0.611	ug/L	100
35) Methylcyclohexane	6.752	83	100733	5.995	ug/L	94
42) Toluene	7.967	91	9340	0.225	ug/L	90
45) 1,1,2-Trichloroethane	8.366	97	7733	1.030	ug/L #	15
52) Ethylbenzene	9.568	91	174537	3.845	ug/L	100
53) m,p-Xylene	9.690	106	469536	27.832	ug/L	100
54) o-Xylene	10.099	106	12790	0.765	ug/L	91
60) Isopropylbenzene	10.481	105	263703	5.800	ug/L	100
61) 1,2,3-Trichloropropane	10.903	75	2090	0.279	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.465	105	1039076	25.894	ug/L	95
63) 1,2,4-Trimethylbenzene	11.465	105	1039076	26.136	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.973	75	8757	4.291	ug/L #	10
71) Naphthalene	14.086	128	1947705	84.501	ug/L	99

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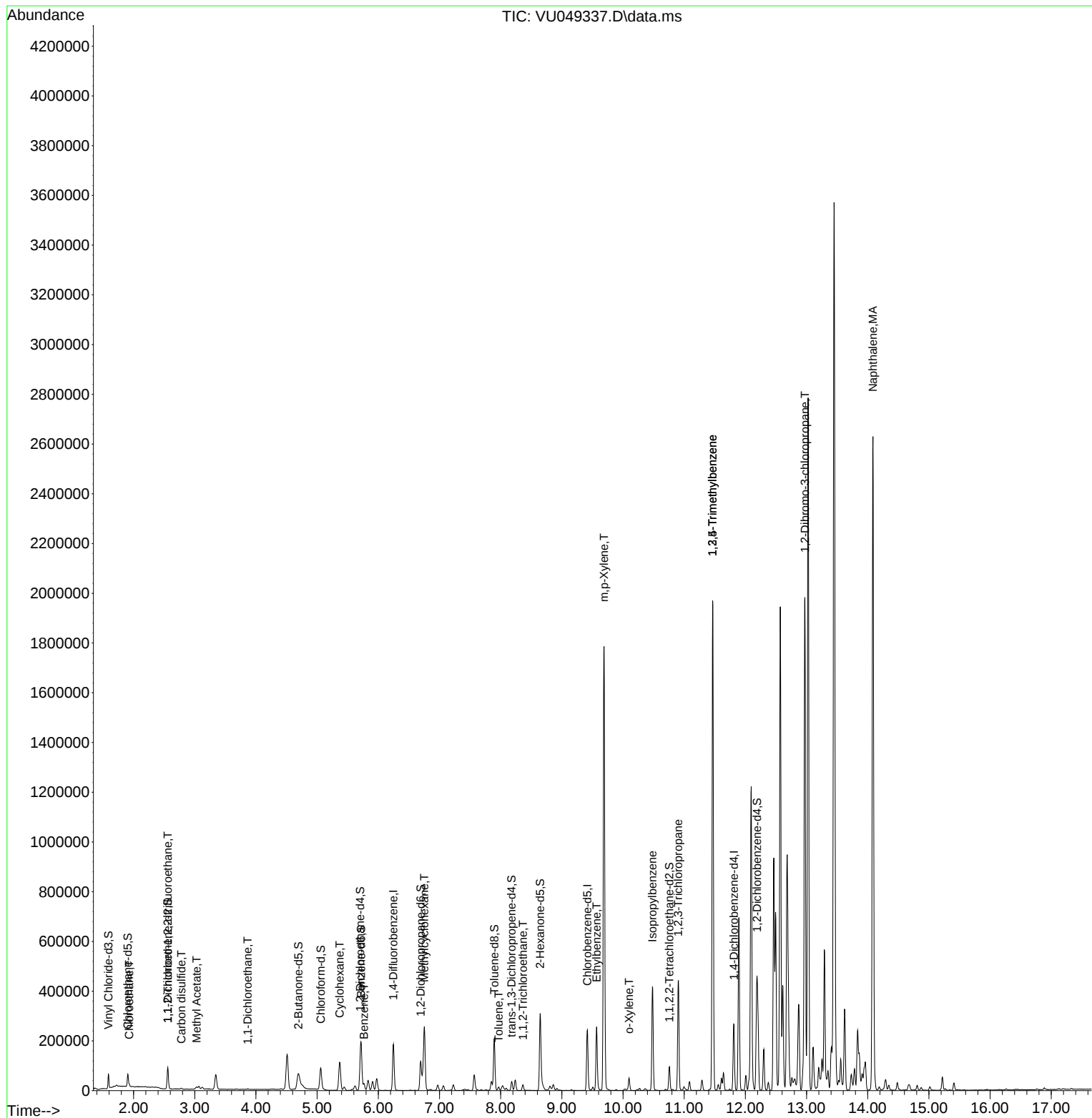
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

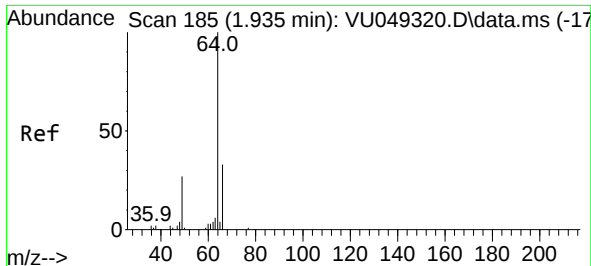
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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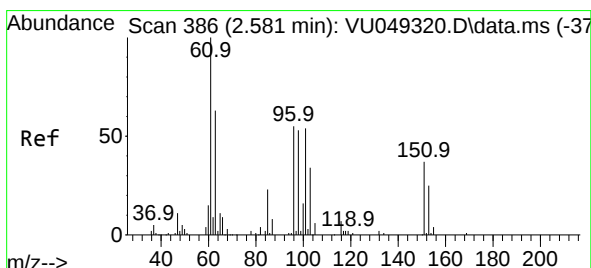
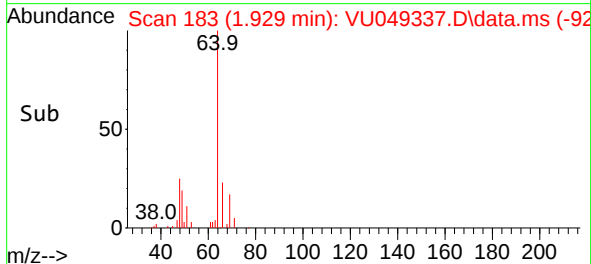
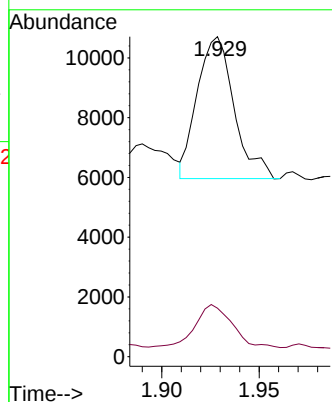
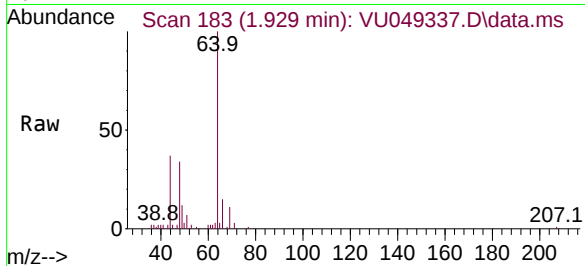




#8
Chloroethane
Concen: 0.905 ug/L
RT: 1.929 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU049337.D
Acq: 21 Jun 2022 19:29

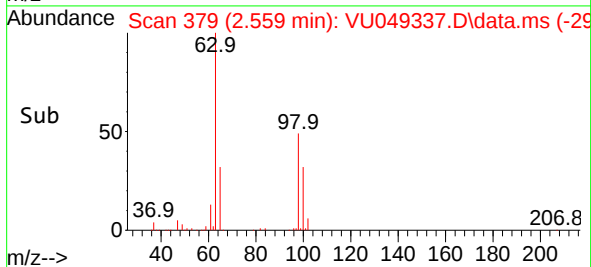
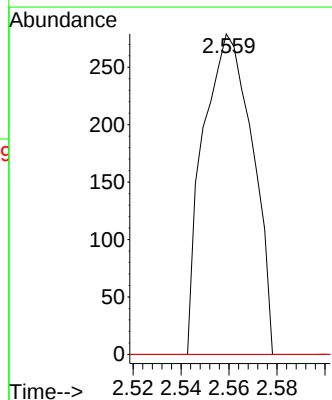
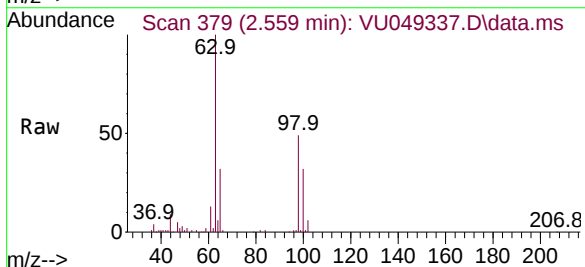
Instrument :
MSVOA_U
ClientSampleId :
C0AE5

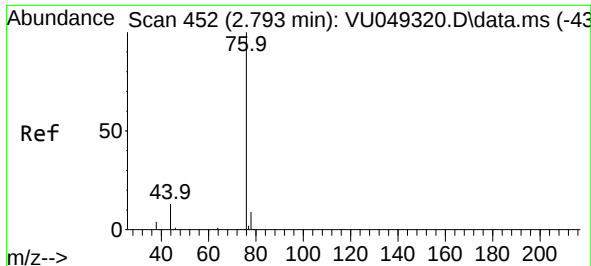
Tgt Ion: 64 Resp: 6260
Ion Ratio Lower Upper
64 100
66 14.7 20.9 38.9#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.048 ug/L
RT: 2.559 min Scan# 379
Delta R.T. -0.022 min
Lab File: VU049337.D
Acq: 21 Jun 2022 19:29

Tgt Ion:101 Resp: 398
Ion Ratio Lower Upper
101 100
85 0.0 36.1 54.1#
151 0.0 56.8 85.2#





#14

Carbon disulfide

Concen: 0.174 ug/L

RT: 2.781 min Scan# 448

Delta R.T. -0.013 min

Lab File: VU049337.D

Acq: 21 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

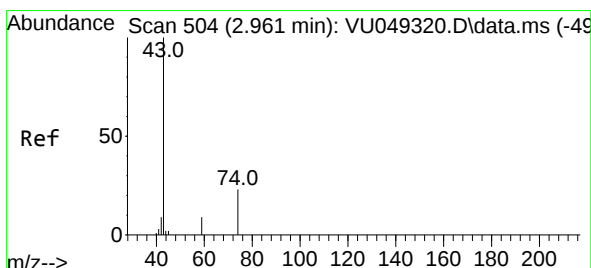
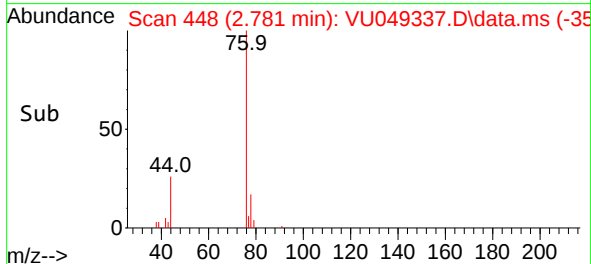
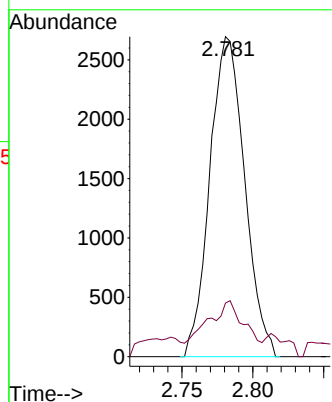
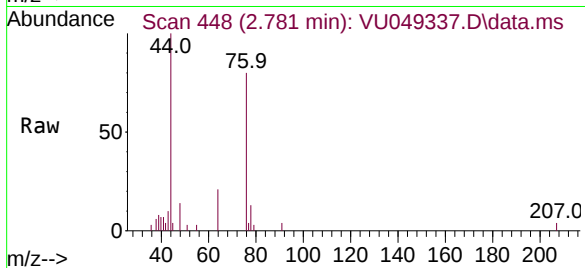
C0AE5

Tgt Ion: 76 Resp: 4605

Ion Ratio Lower Upper

76 100

78 16.7 7.5 11.3#



#15

Methyl Acetate

Concen: 0.986 ug/L

RT: 3.031 min Scan# 526

Delta R.T. 0.071 min

Lab File: VU049337.D

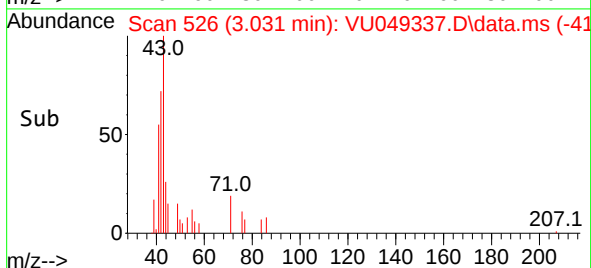
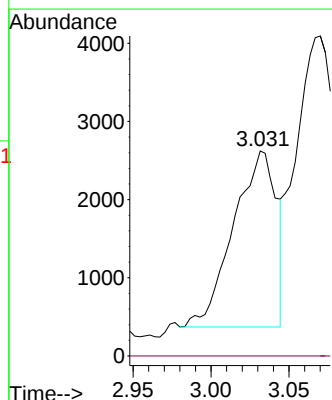
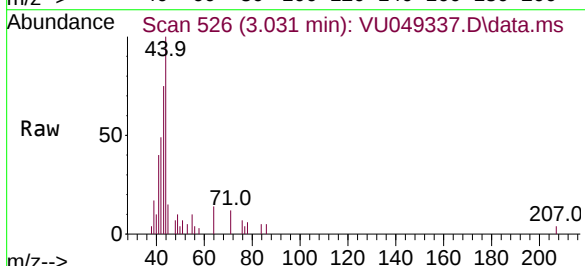
Acq: 21 Jun 2022 19:29

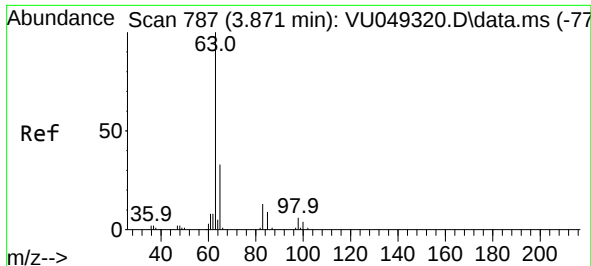
Tgt Ion: 43 Resp: 4328

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#





#19

1,1-Dichloroethane

Concen: 0.130 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.006 min

Lab File: VU049337.D

Acq: 21 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

C0AE5

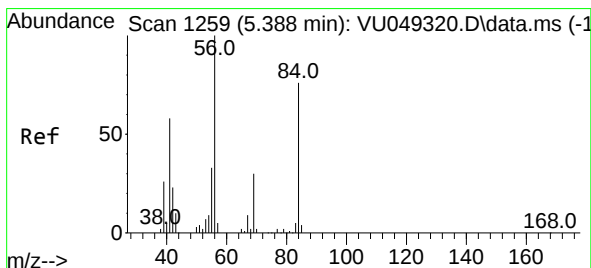
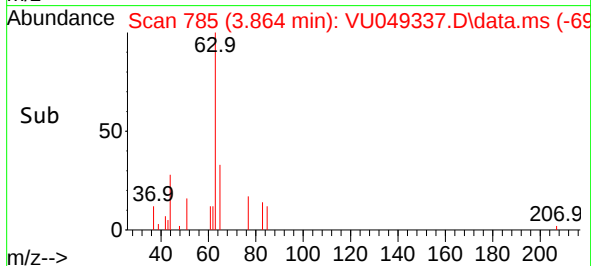
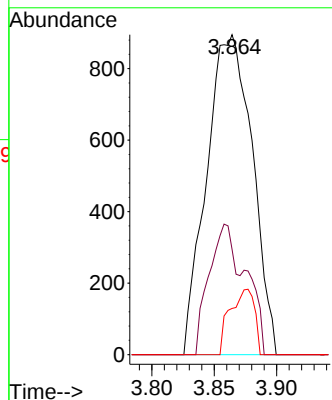
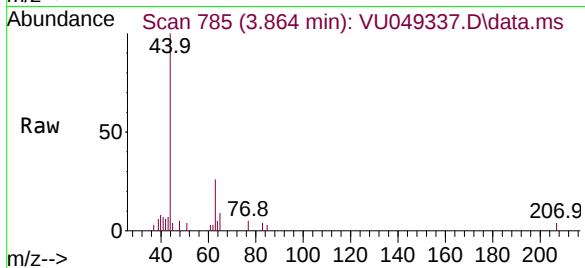
Tgt Ion: 63 Resp: 2273

Ion Ratio Lower Upper

63 100

65 27.8 24.0 44.6

83 12.2 9.1 16.9



#30

Cyclohexane

Concen: 3.172 ug/L

RT: 5.369 min Scan# 1253

Delta R.T. -0.019 min

Lab File: VU049337.D

Acq: 21 Jun 2022 19:29

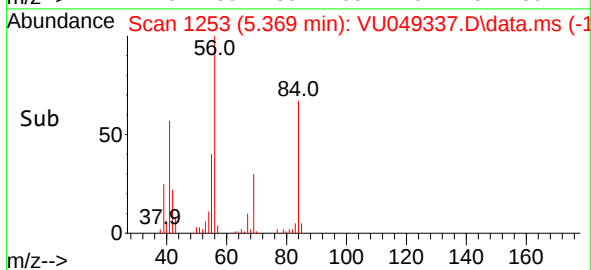
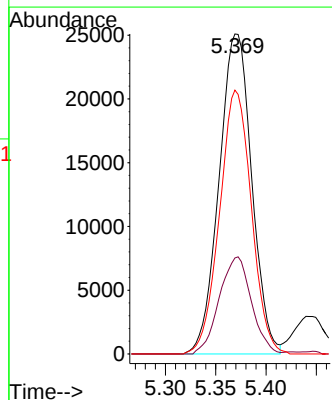
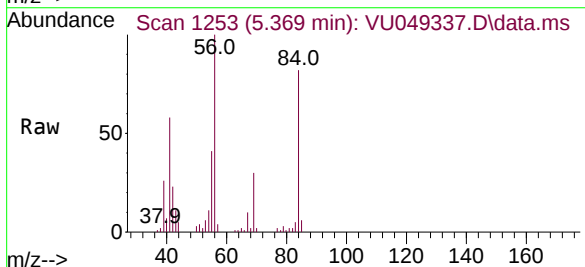
Tgt Ion: 56 Resp: 56763

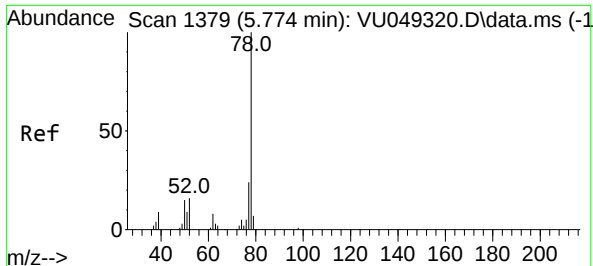
Ion Ratio Lower Upper

56 100

69 29.8 23.8 35.6

84 80.1 61.2 91.8

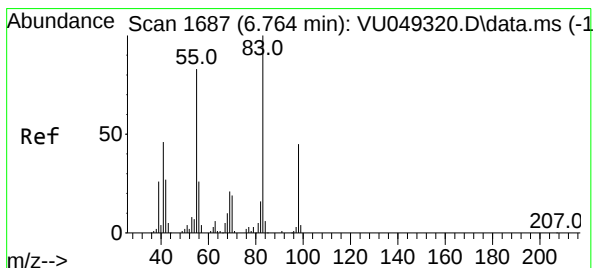
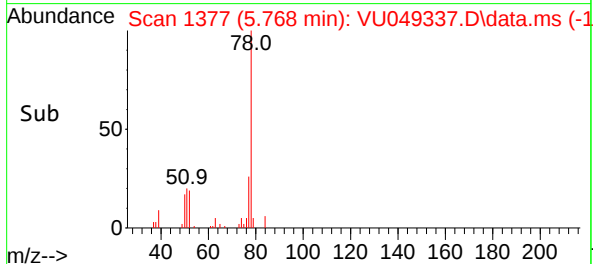
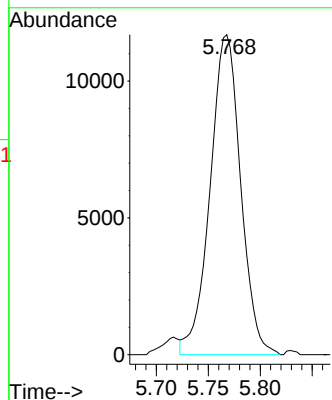
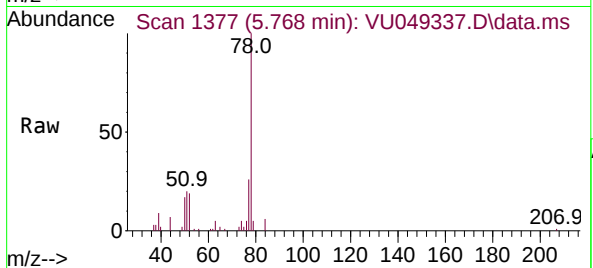




#33
Benzene
Concen: 0.611 ug/L
RT: 5.768 min Scan# 1379
Delta R.T. -0.006 min
Lab File: VU049337.D
Acq: 21 Jun 2022 19:29

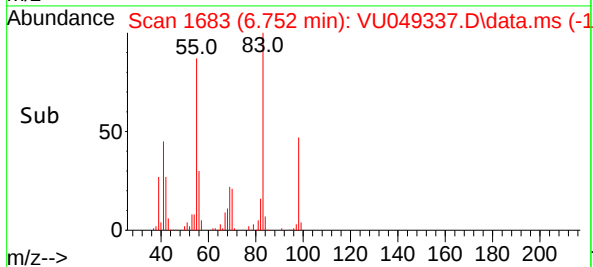
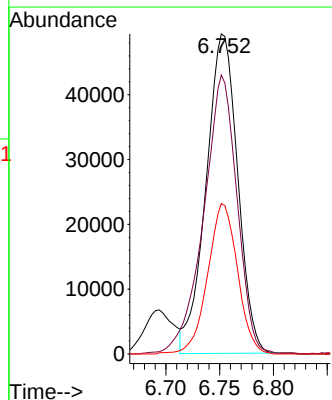
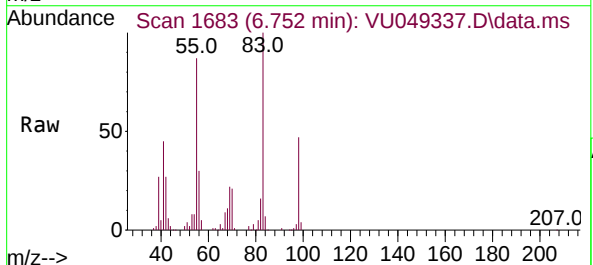
Instrument :
MSVOA_U
ClientSampleId :
C0AE5

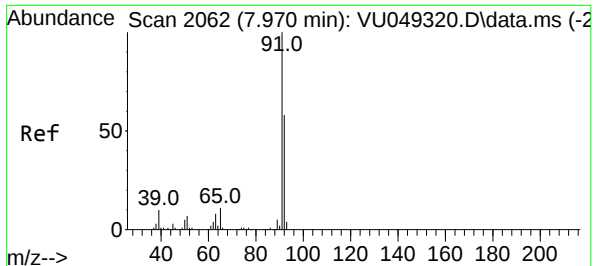
Tgt Ion: 78 Resp: 23939



#35
Methylcyclohexane
Concen: 5.995 ug/L
RT: 6.752 min Scan# 1683
Delta R.T. -0.013 min
Lab File: VU049337.D
Acq: 21 Jun 2022 19:29

Tgt Ion: 83 Resp: 100733
Ion Ratio Lower Upper
83 100
55 92.2 66.9 100.3
98 44.5 35.5 53.3





#42

Toluene

Concen: 0.225 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU049337.D

Acq: 21 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

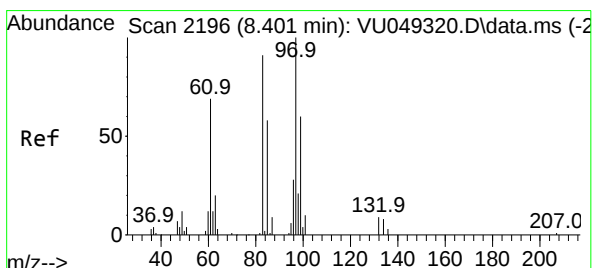
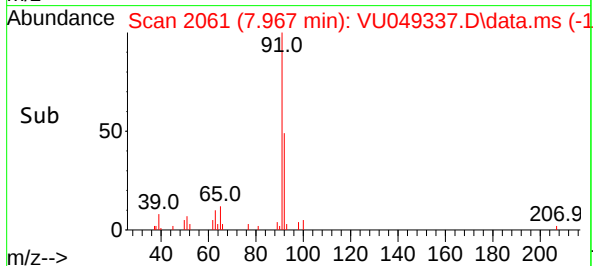
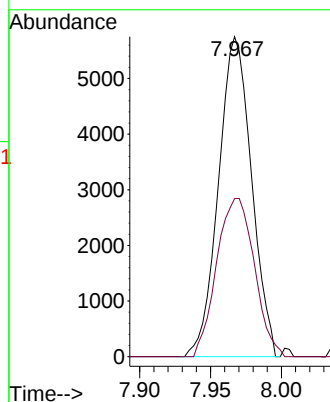
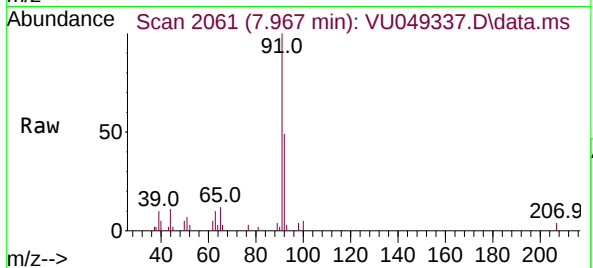
C0AE5

Tgt Ion: 91 Resp: 9340

Ion Ratio Lower Upper

91 100

92 49.4 40.0 74.2



#45

1,1,2-Trichloroethane

Concen: 1.030 ug/L

RT: 8.366 min Scan# 2185

Delta R.T. -0.035 min

Lab File: VU049337.D

Acq: 21 Jun 2022 19:29

Tgt Ion: 97 Resp: 7733

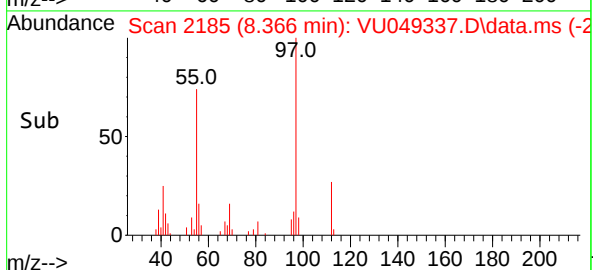
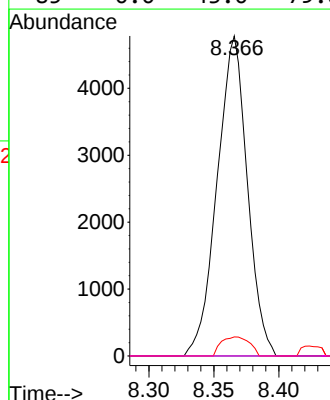
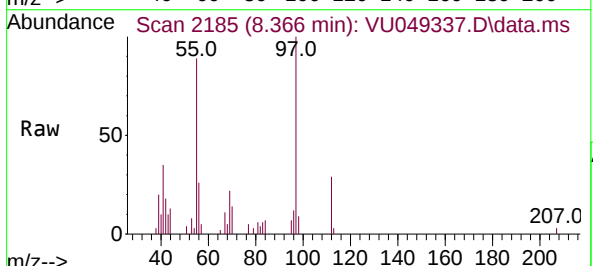
Ion Ratio Lower Upper

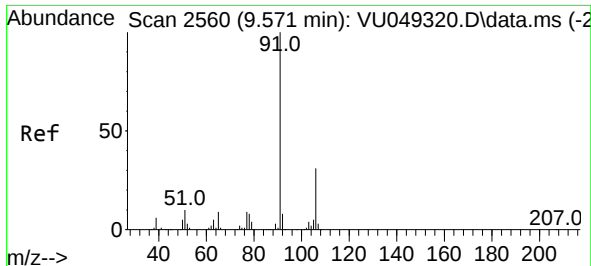
97 100

99 0.0 45.6 84.8#

83 6.0 65.4 121.4#

85 0.0 43.0 79.8#

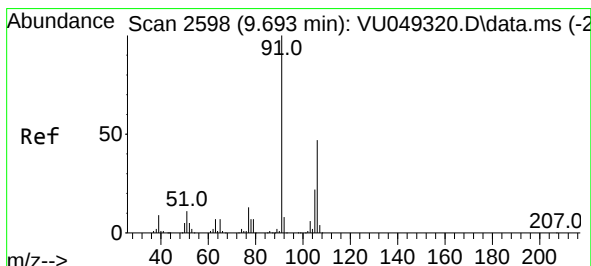
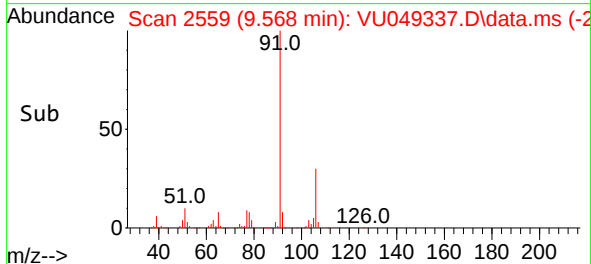
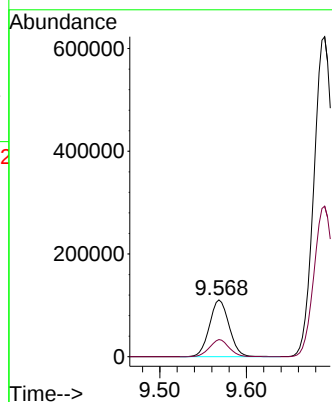
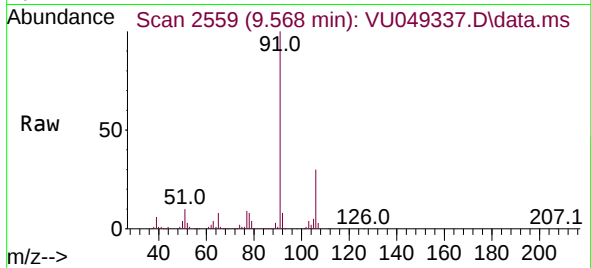




#52
Ethylbenzene
Concen: 3.845 ug/L
RT: 9.568 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049337.D
Acq: 21 Jun 2022 19:29

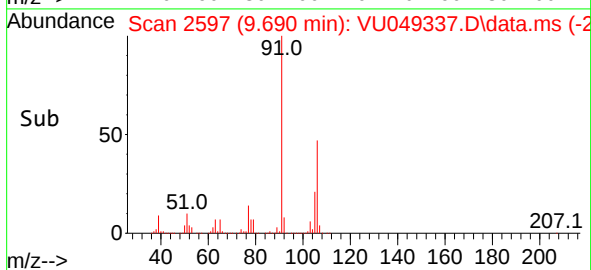
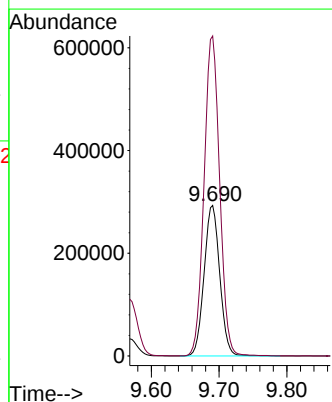
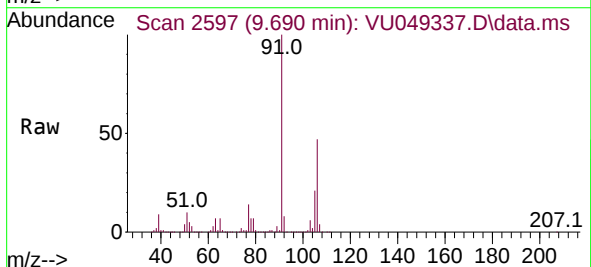
Instrument :
MSVOA_U
ClientSampleId :
C0AE5

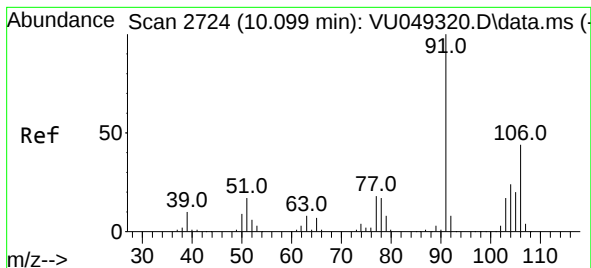
Tgt Ion: 91 Resp: 174537
Ion Ratio Lower Upper
91 100
106 30.1 21.2 39.4



#53
m,p-Xylene
Concen: 27.832 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU049337.D
Acq: 21 Jun 2022 19:29

Tgt Ion:106 Resp: 469536
Ion Ratio Lower Upper
106 100
91 212.6 148.5 275.7





#54

o-Xylene

Concen: 0.765 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049337.D

Acq: 21 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

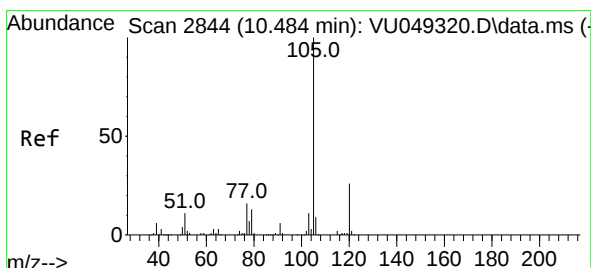
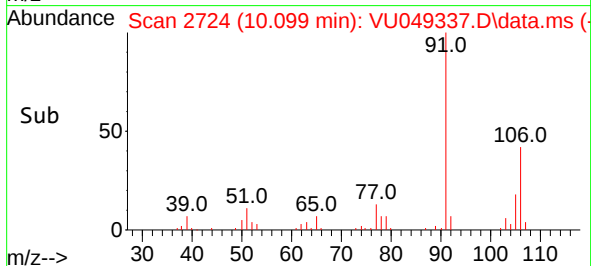
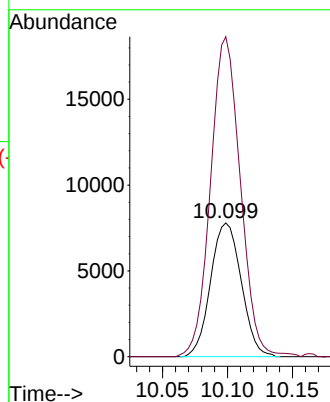
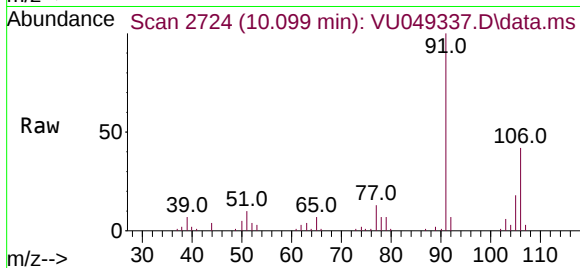
C0AE5

Tgt Ion:106 Resp: 12790

Ion Ratio Lower Upper

106 100

91 239.1 157.5 292.5



#60

Isopropylbenzene

Concen: 5.800 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VU049337.D

Acq: 21 Jun 2022 19:29

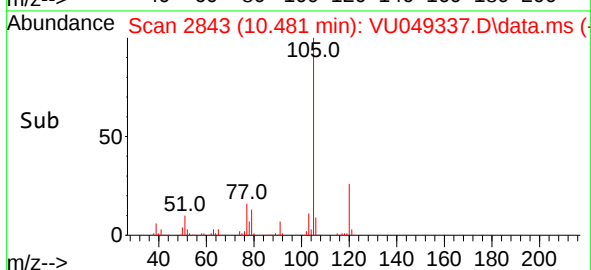
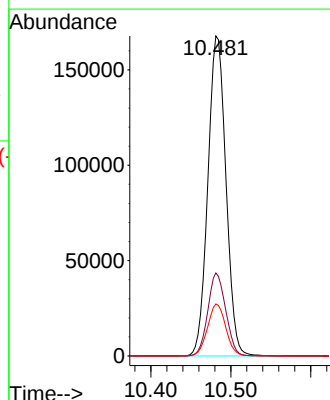
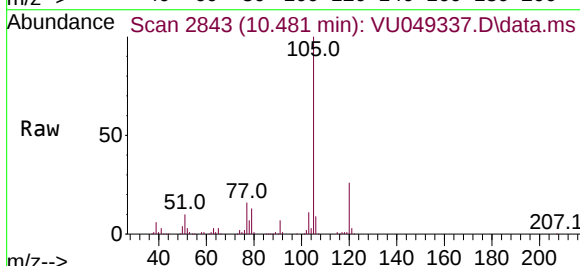
Tgt Ion:105 Resp: 263703

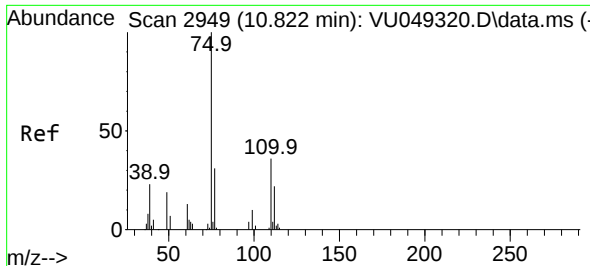
Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

77 16.4 13.0 19.6

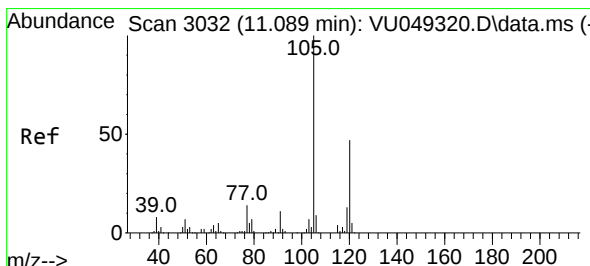
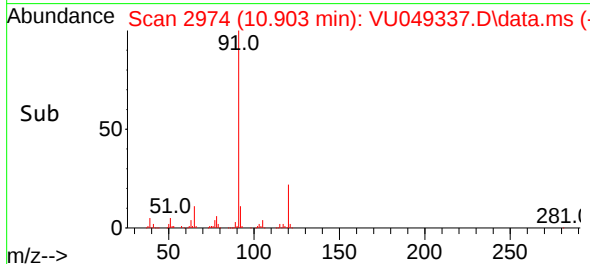
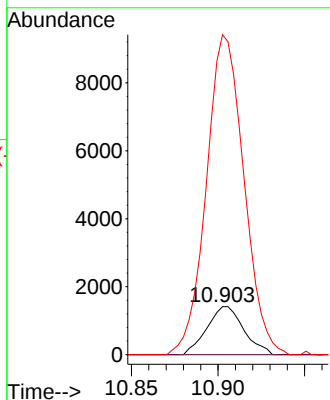
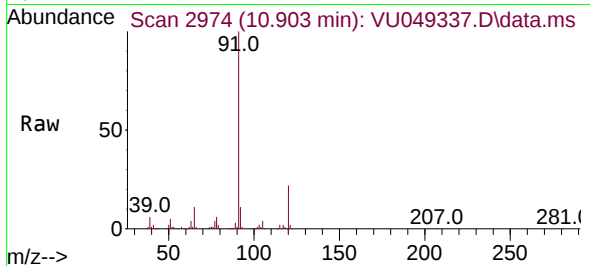




#61
 1,2,3-Trichloropropane
 Concen: 0.279 ug/L
 RT: 10.903 min Scan# 2949
 Delta R.T. 0.080 min
 Lab File: VU049337.D
 Acq: 21 Jun 2022 19:29

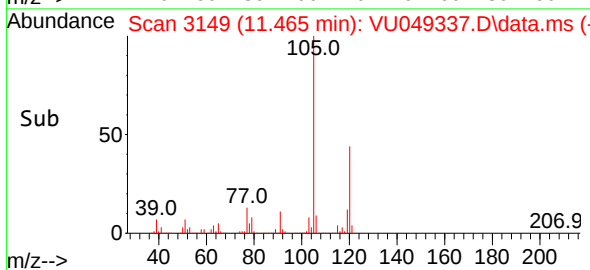
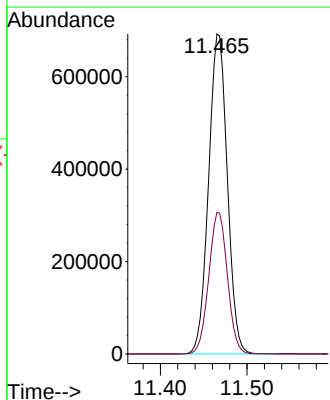
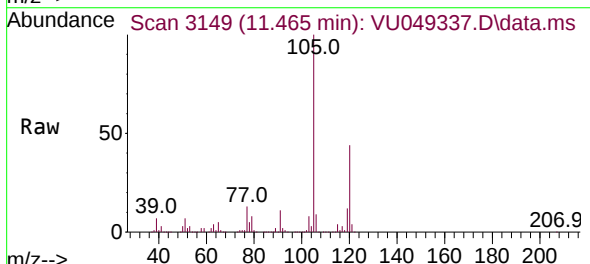
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE5

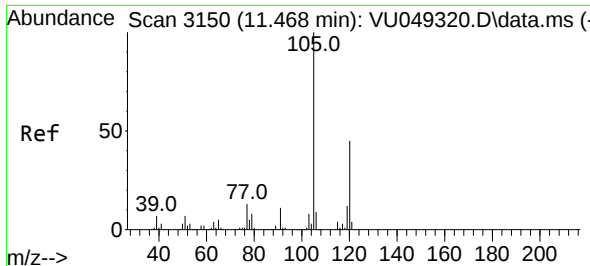
Tgt Ion: 75 Resp: 2090
 Ion Ratio Lower Upper
 75 100
 110 0.0 29.0 43.4#
 77 679.9 26.2 39.2#



#62
 1,3,5-Trimethylbenzene
 Concen: 25.894 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.376 min
 Lab File: VU049337.D
 Acq: 21 Jun 2022 19:29

Tgt Ion: 105 Resp: 1039076
 Ion Ratio Lower Upper
 105 100
 120 44.1 37.8 56.6

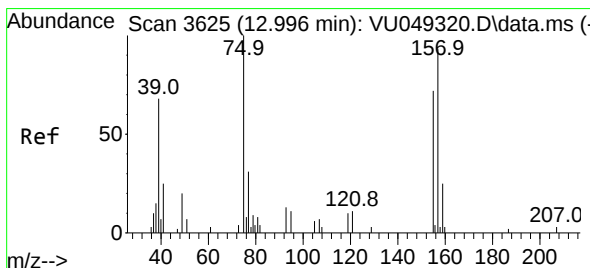
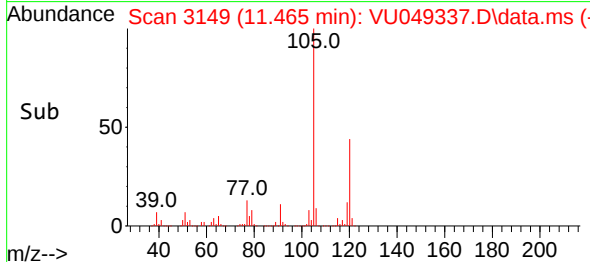
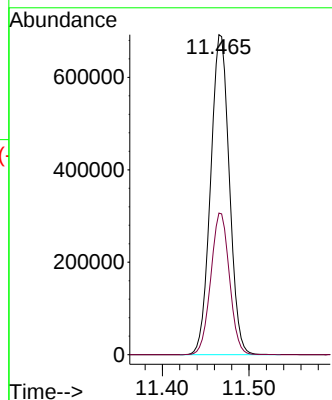
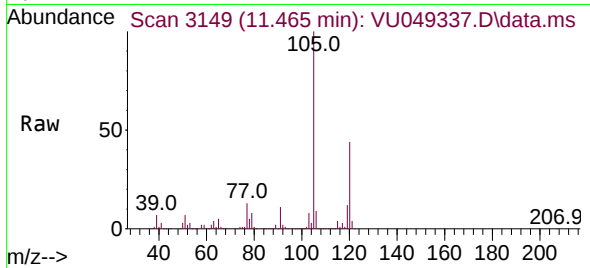




#63
1,2,4-Trimethylbenzene
Concen: 26.136 ug/L
RT: 11.465 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU049337.D
Acq: 21 Jun 2022 19:29

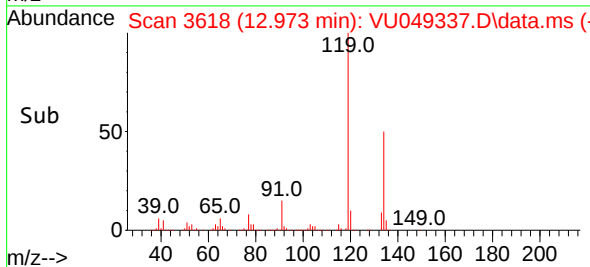
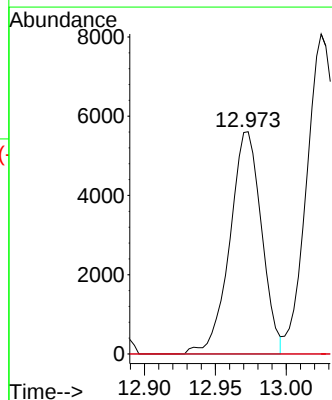
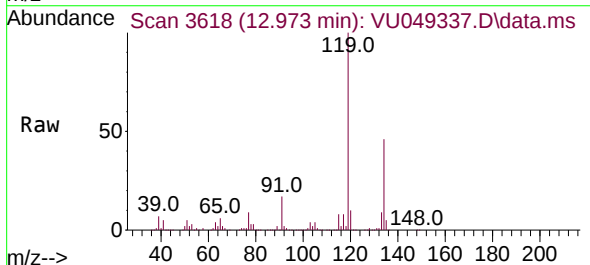
Instrument :
MSVOA_U
ClientSampleId :
C0AE5

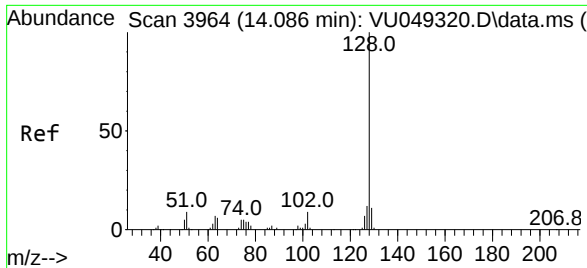
Tgt Ion:105 Resp: 1039076
Ion Ratio Lower Upper
105 100
120 44.1 34.6 52.0



#68
1,2-Dibromo-3-chloropropane
Concen: 4.291 ug/L
RT: 12.973 min Scan# 3618
Delta R.T. -0.022 min
Lab File: VU049337.D
Acq: 21 Jun 2022 19:29

Tgt Ion: 75 Resp: 8757
Ion Ratio Lower Upper
75 100
155 0.0 52.0 78.0#
157 0.0 71.4 107.2#





#71

Naphthalene

Concen: 84.501 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049337.D

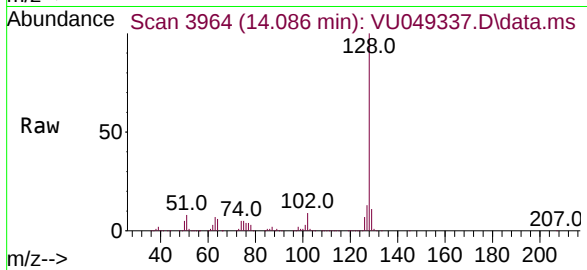
Acq: 21 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

C0AE5



Tgt Ion:128 Resp: 1947705

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

127 12.9 10.2 15.4

