

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
 Data File : VU046542.D
 Acq On : 21 Dec 2021 22:57
 Operator : SY/MD
 Sample : M5170-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 05:48:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 21 14:35:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	84149	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	81781	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	43004	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	31362	4.732	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.600%
7) Chloroethane-d5	1.922	69	24678	4.728	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.575	65	13083	4.681	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.600%
20) 2-Butanone-d5	4.665	46	99027	51.507	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.020%
24) Chloroform-d	5.070	84	55606	4.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.707	65	34665	4.993	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.732	84	112696	4.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.694	67	33200	4.846	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.900	98	100091	4.837	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.182	79	14914	4.707	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.636	63	97355	52.337	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33541	4.770	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	40030	5.053	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						Qvalue
13) Acetone	2.681	43	8213	4.556	ug/L	88
21) 2-Butanone	4.739	43	5047	1.845	ug/L	93
33) Benzene	5.774	78	5923	0.182	ug/L	100
35) Methylcyclohexane	6.694	83	8220	0.681	ug/L #	18
37) 1,2-Dichloropropane	6.694	63	3771	0.455	ug/L #	88
40) 4-Methyl-2-pentanone	7.797	43	20657	3.320	ug/L	98
42) Toluene	7.970	91	24310	0.729	ug/L	99
49) Dibromochloromethane	8.552	129	788	0.096	ug/L #	10
52) Ethylbenzene	9.572	91	16705	0.484	ug/L	99
53) m,p-Xylene	9.694	106	15784	1.193	ug/L	88
54) o-Xylene	10.102	106	4315	0.340	ug/L	88
55) Styrene	10.115	104	908	0.041	ug/L #	58
60) Isopropylbenzene	10.999	105	27597	0.832	ug/L #	91
62) 1,3,5-Trimethylbenzene	11.089	105	13205	0.479	ug/L	98
63) 1,2,4-Trimethylbenzene	11.469	105	79241	2.853	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.977	75	456	0.276	ug/L #	7
71) Naphthalene	14.086	128	130510	5.686	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046542.D
Acq On : 21 Dec 2021 22:57
Operator : SY/MD
Sample : M5170-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 22 05:48:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Dec 21 14:35:13 2021
Response via : Initial Calibration

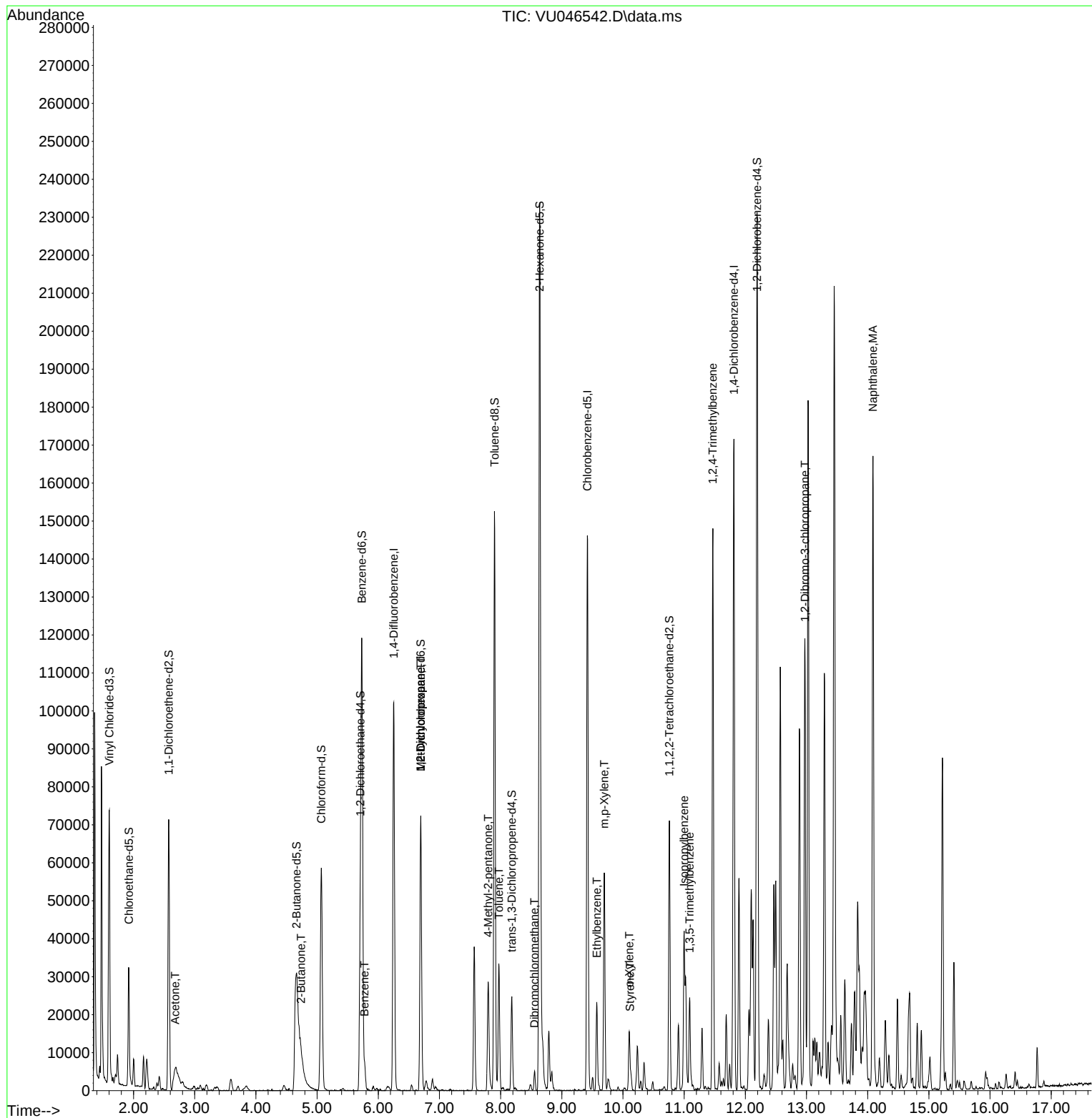
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

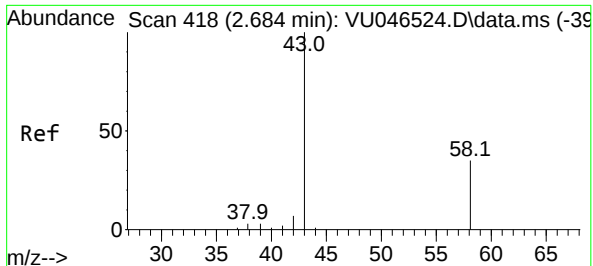
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046542.D
Acq On : 21 Dec 2021 22:57
Operator : SY/MD
Sample : M5170-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 22 05:48:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Dec 21 14:35:13 2021
Response via : Initial Calibration





#13

Acetone

Concen: 4.556 ug/L

RT: 2.681 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU046542.D

Acq: 21 Dec 2021 22:57

Instrument :

MSVOA_U

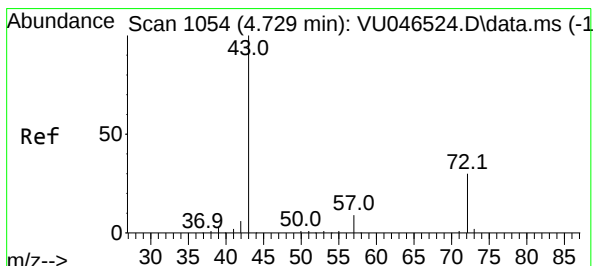
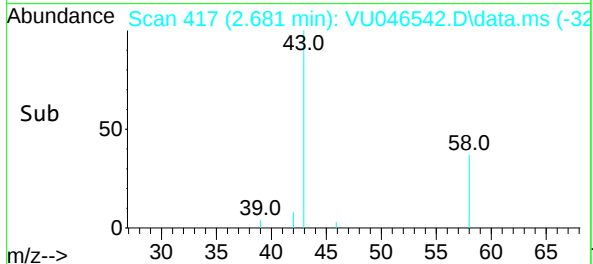
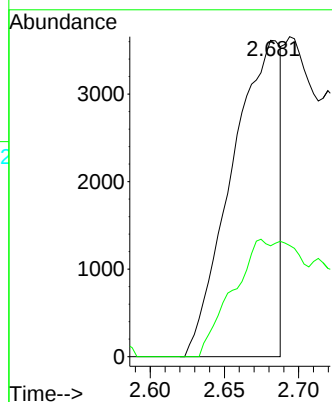
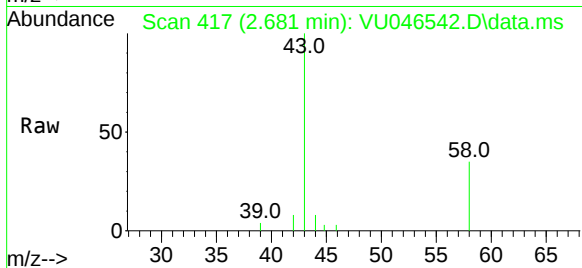
ClientSampleId :

Tgt Ion: 43 Resp: 8213

Ion Ratio Lower Upper

43 100

58 29.0 0.0 71.6



#21

2-Butanone

Concen: 1.845 ug/L

RT: 4.739 min Scan# 1057

Delta R.T. 0.010 min

Lab File: VU046542.D

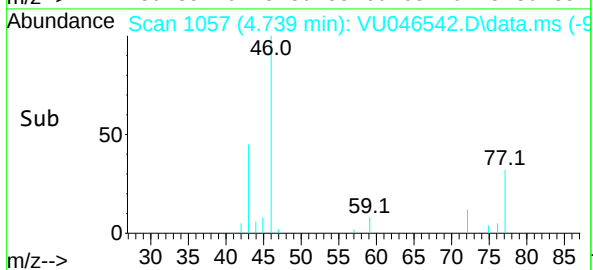
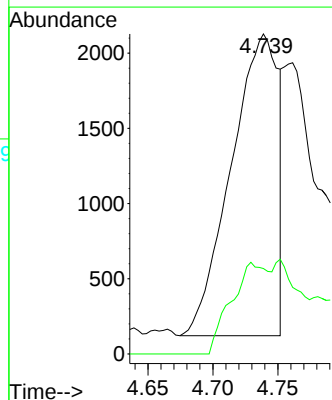
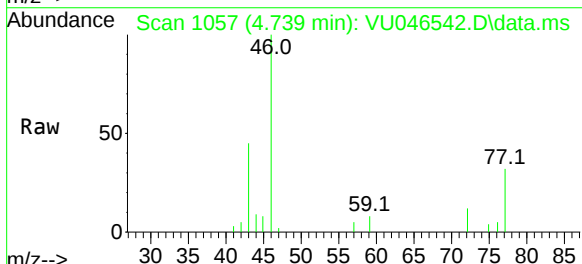
Acq: 21 Dec 2021 22:57

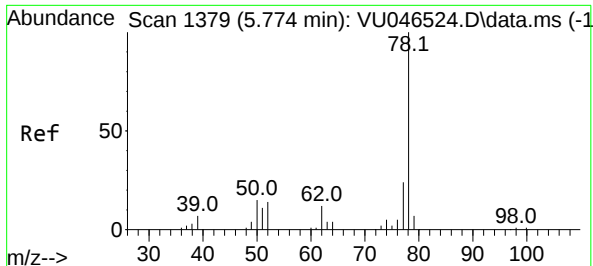
Tgt Ion: 43 Resp: 5047

Ion Ratio Lower Upper

43 100

72 24.7 14.1 42.3

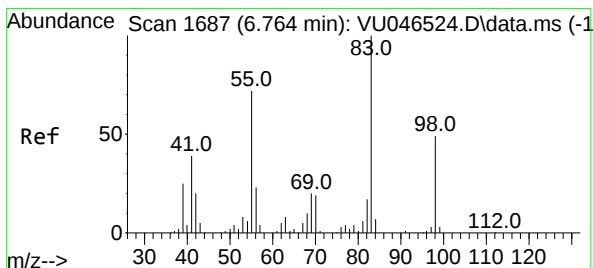
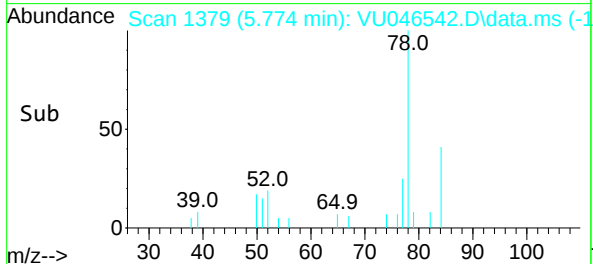
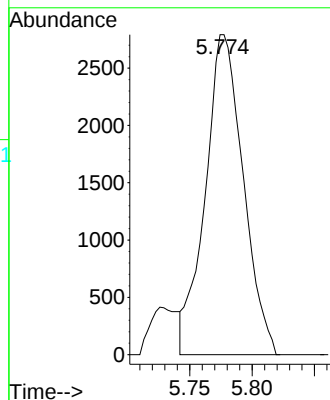
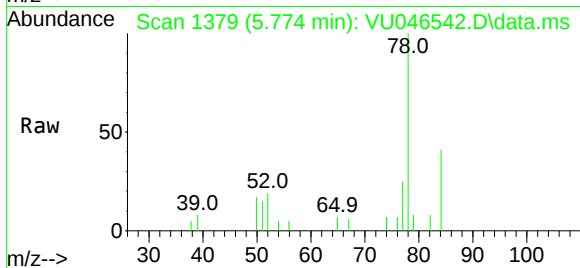




#33
Benzene
Concen: 0.182 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046542.D
Acq: 21 Dec 2021 22:57

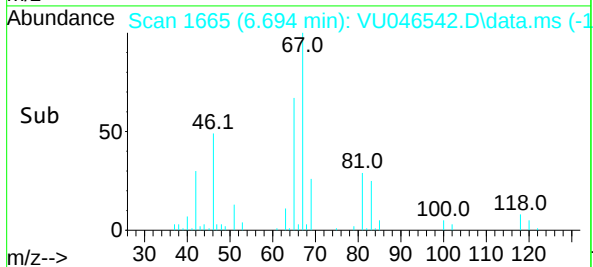
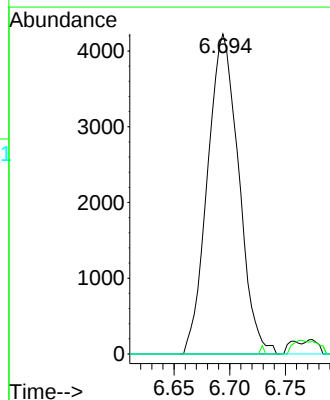
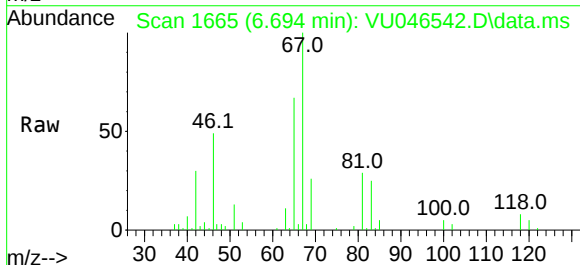
Instrument :
MSVOA_U
ClientSampleId :

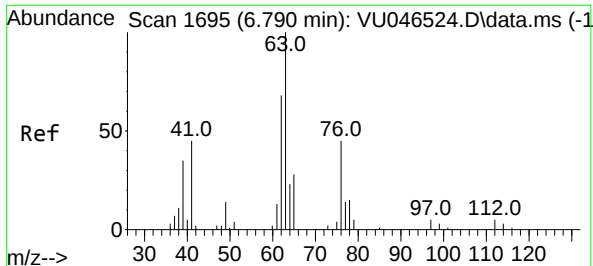
Tgt Ion: 78 Resp: 5923



#35
Methylcyclohexane
Concen: 0.681 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.071 min
Lab File: VU046542.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 83 Resp: 8220
Ion Ratio Lower Upper
83 100
55 0.3 61.9 92.9#
98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.455 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.096 min

Lab File: VU046542.D

Acq: 21 Dec 2021 22:57

Instrument :

MSVOA_U

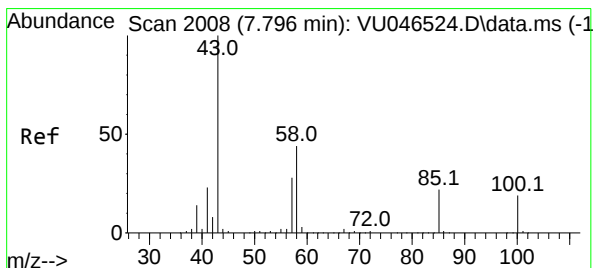
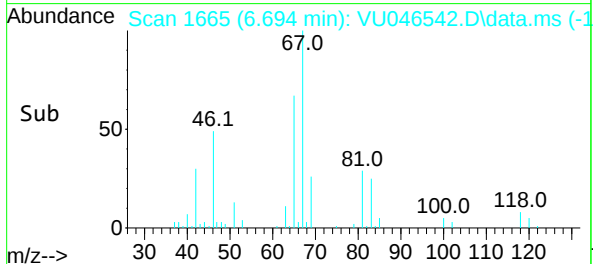
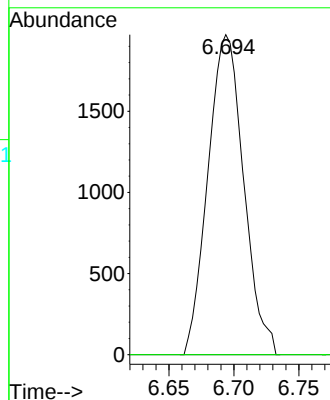
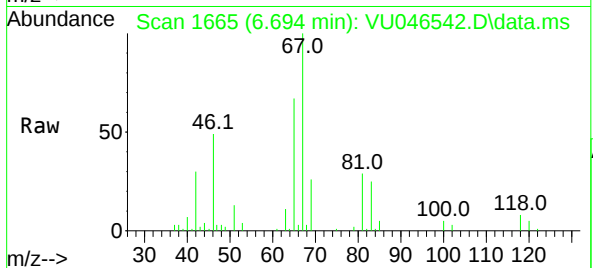
ClientSampleId :

Tgt Ion: 63 Resp: 3771

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#40

4-Methyl-2-pentanone

Concen: 3.320 ug/L

RT: 7.797 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046542.D

Acq: 21 Dec 2021 22:57

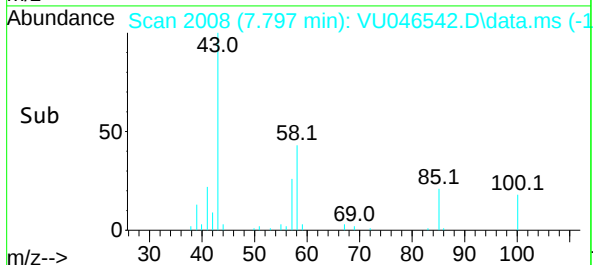
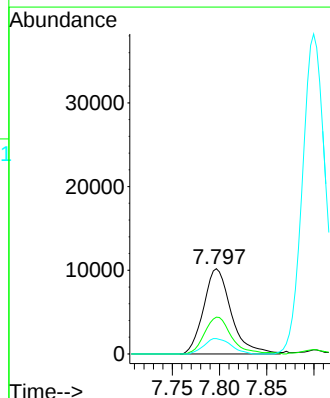
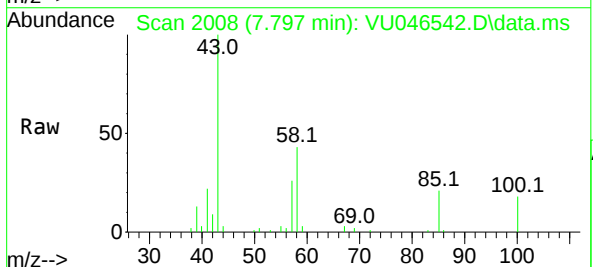
Tgt Ion: 43 Resp: 20657

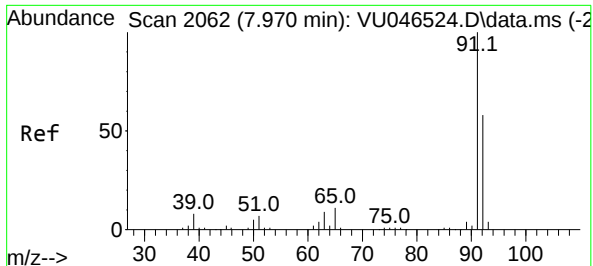
Ion Ratio Lower Upper

43 100

58 42.2 33.1 49.7

100 17.6 13.2 19.8





#42

Toluene

Concen: 0.729 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU046542.D

Acq: 21 Dec 2021 22:57

Instrument :

MSVOA_U

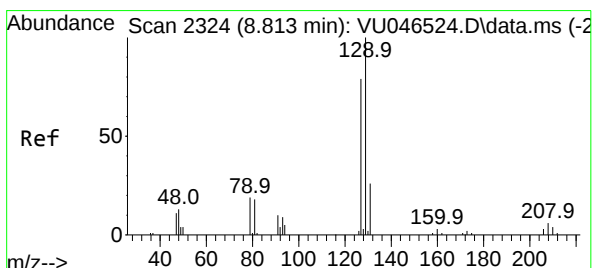
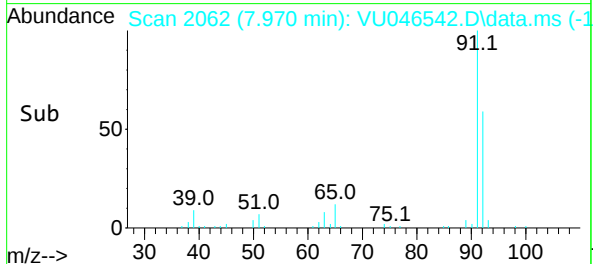
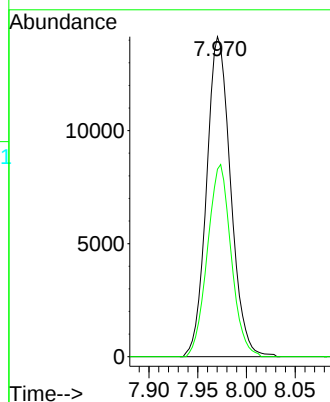
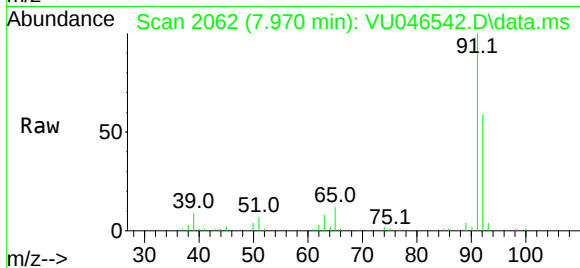
ClientSampleId :

Tgt Ion: 91 Resp: 24310

Ion Ratio Lower Upper

91 100

92 58.6 41.3 76.7



#49

Dibromochloromethane

Concen: 0.096 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.260 min

Lab File: VU046542.D

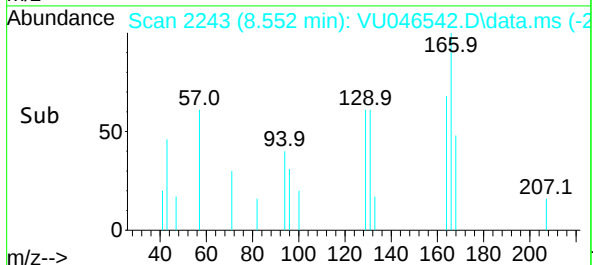
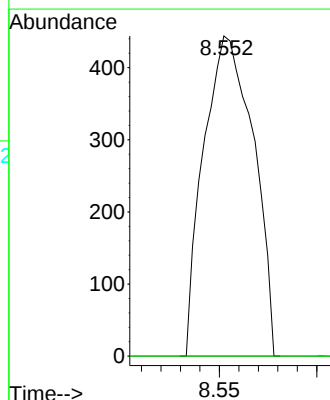
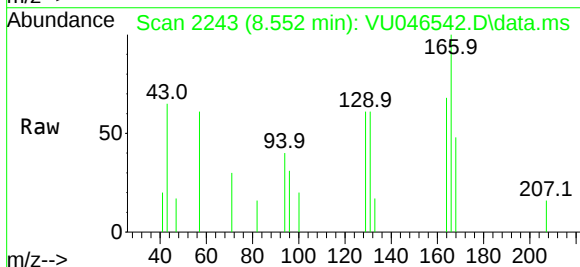
Acq: 21 Dec 2021 22:57

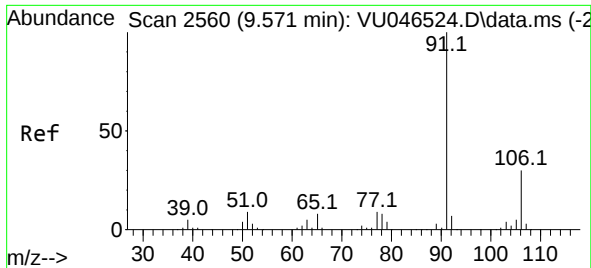
Tgt Ion: 129 Resp: 788

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#

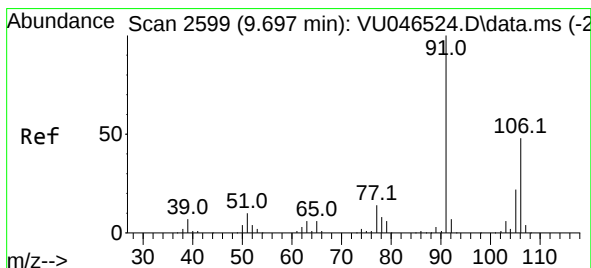
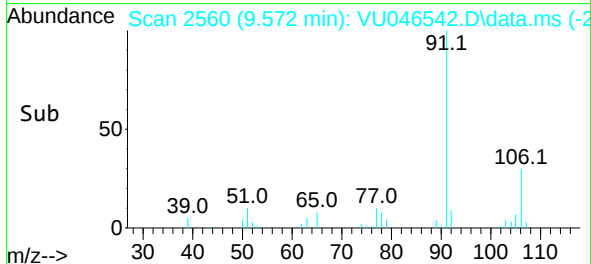
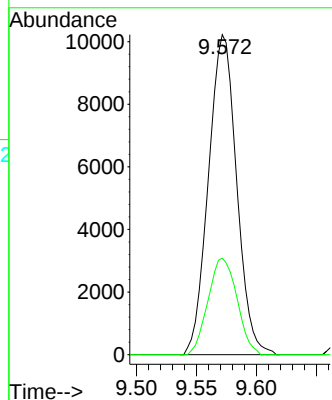
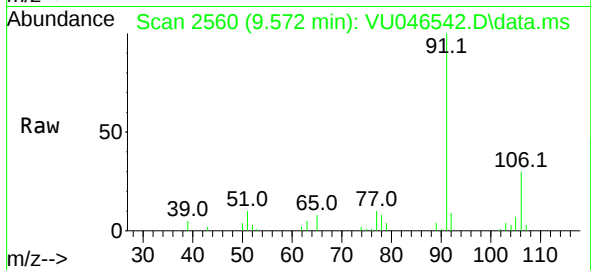




#52
Ethylbenzene
Concen: 0.484 ug/L
RT: 9.572 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU046542.D
Acq: 21 Dec 2021 22:57

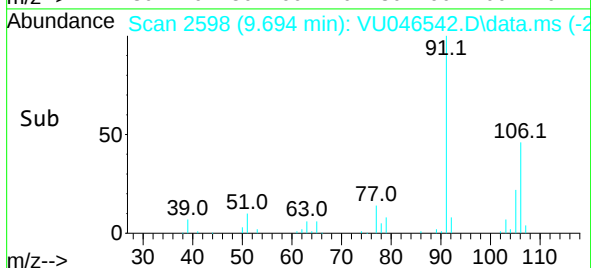
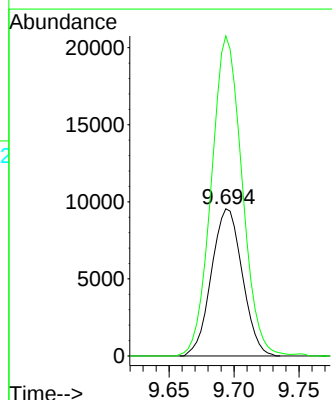
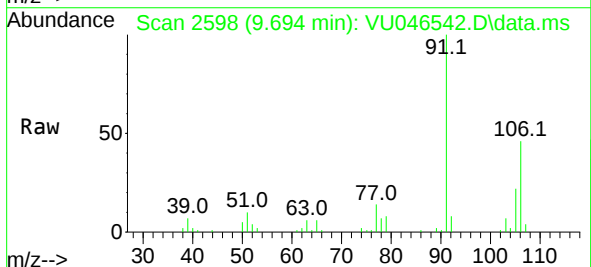
Instrument :
MSVOA_U
ClientSampleId :

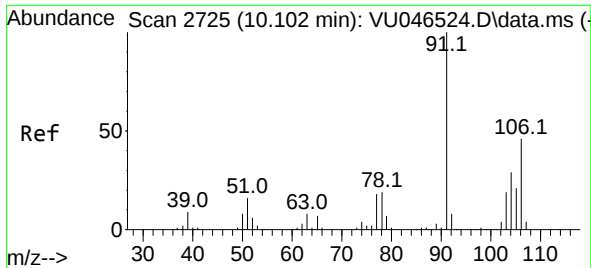
Tgt Ion: 91 Resp: 16705
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 1.193 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046542.D
Acq: 21 Dec 2021 22:57

Tgt Ion: 106 Resp: 15784
Ion Ratio Lower Upper
106 100
91 217.3 139.4 259.0

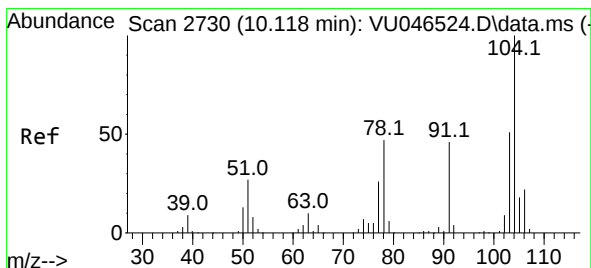
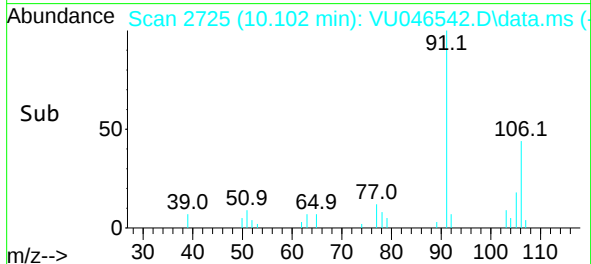
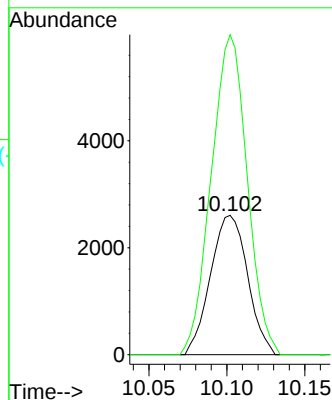
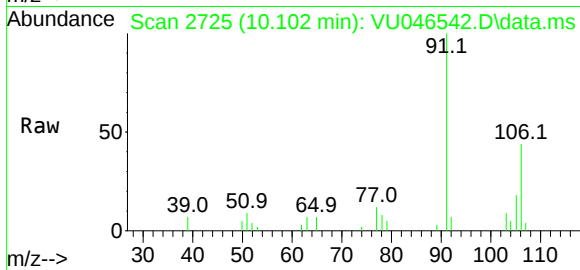




#54
o-Xylene
Concen: 0.340 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU046542.D
Acq: 21 Dec 2021 22:57

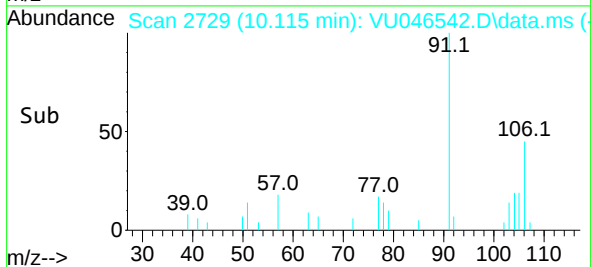
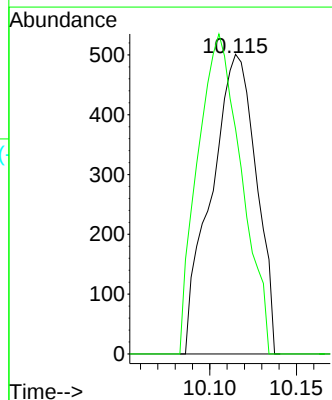
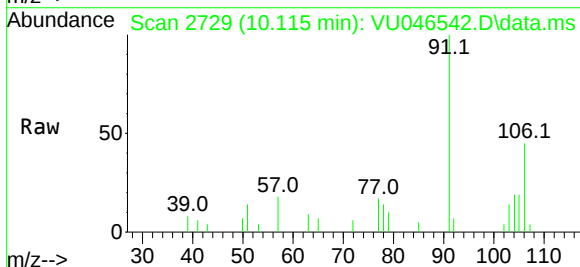
Instrument :
MSVOA_U
ClientSampleId :

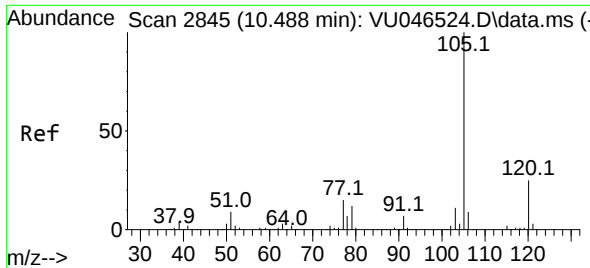
Tgt Ion:106 Resp: 4315
Ion Ratio Lower Upper
106 100
91 229.7 147.5 273.9



#55
Styrene
Concen: 0.041 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU046542.D
Acq: 21 Dec 2021 22:57

Tgt Ion:104 Resp: 908
Ion Ratio Lower Upper
104 100
78 75.0 33.0 61.4#

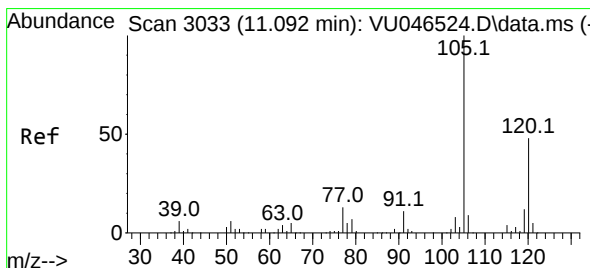
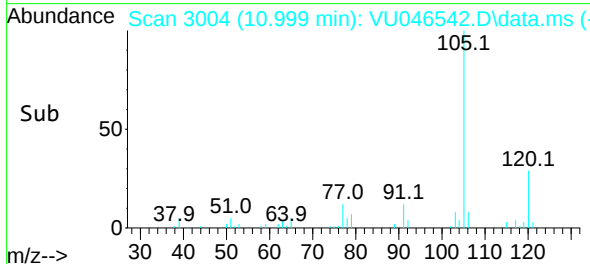
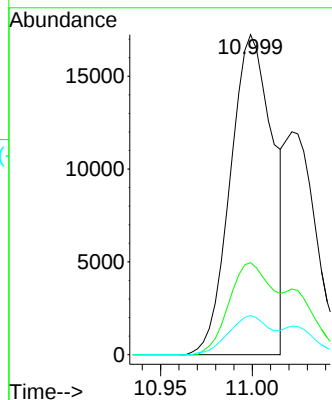
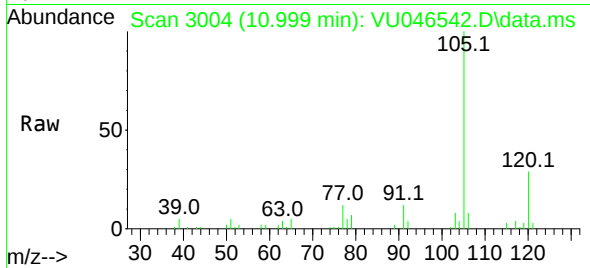




#60
Isopropylbenzene
Concen: 0.832 ug/L
RT: 10.999 min Scan# 3004
Delta R.T. 0.511 min
Lab File: VU046542.D
Acq: 21 Dec 2021 22:57

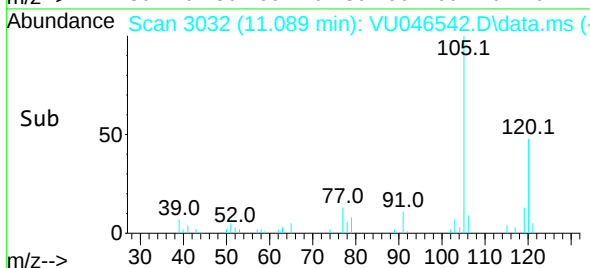
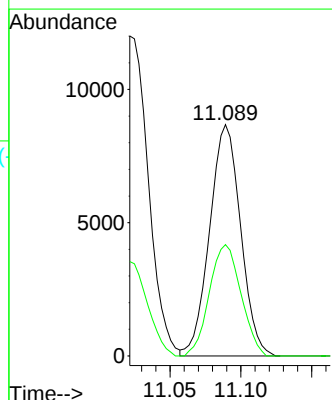
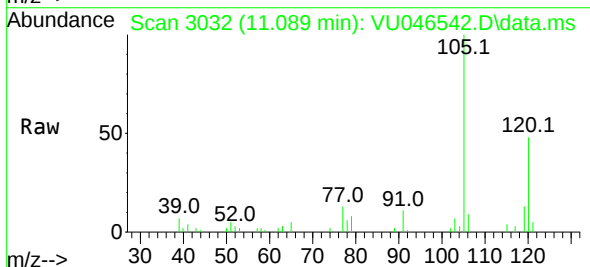
Instrument :
MSVOA_U
ClientSampleId :

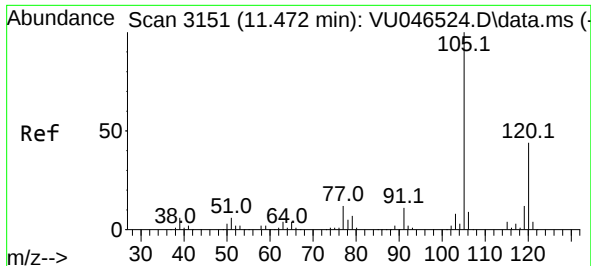
Tgt Ion:105 Resp: 27597
Ion Ratio Lower Upper
105 100
120 29.8 20.7 31.1
77 11.6 12.6 19.0#



#62
1,3,5-Trimethylbenzene
Concen: 0.479 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046542.D
Acq: 21 Dec 2021 22:57

Tgt Ion:105 Resp: 13205
Ion Ratio Lower Upper
105 100
120 49.0 38.3 57.5

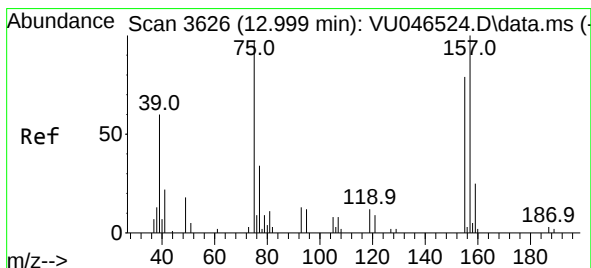
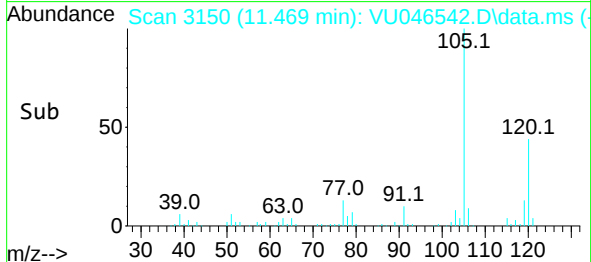
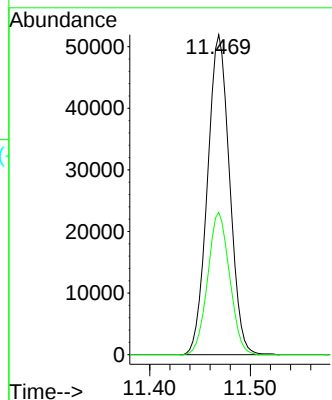
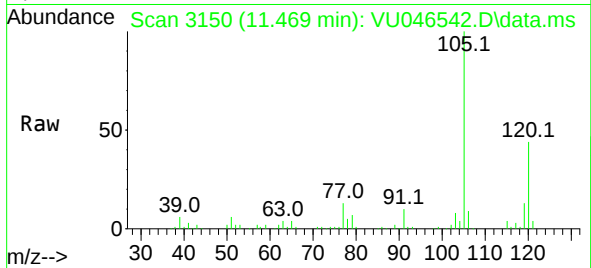




#63
 1,2,4-Trimethylbenzene
 Concen: 2.853 ug/L
 RT: 11.469 min Scan# 3151
 Delta R.T. -0.003 min
 Lab File: VU046542.D
 Acq: 21 Dec 2021 22:57

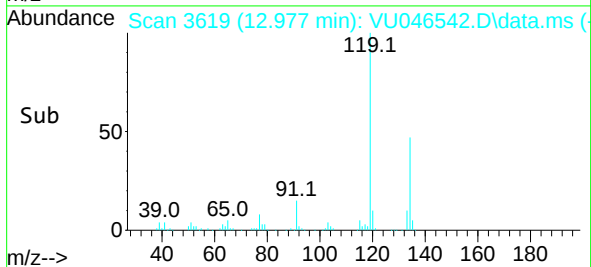
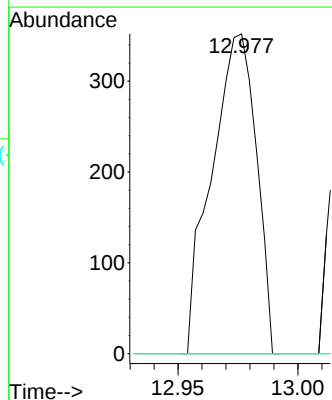
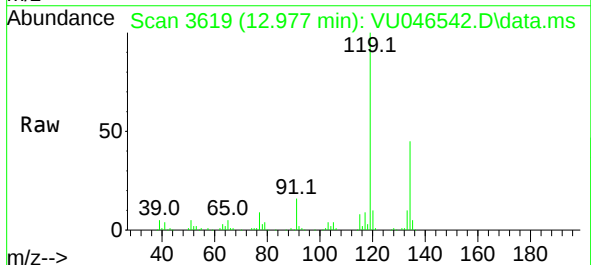
Instrument :
 MSVOA_U
 ClientSampleId :

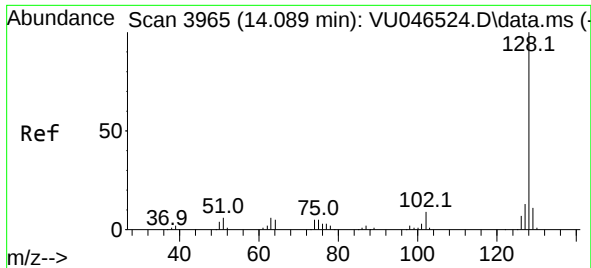
Tgt Ion:105 Resp: 79241
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.8 53.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.276 ug/L
 RT: 12.977 min Scan# 3619
 Delta R.T. -0.022 min
 Lab File: VU046542.D
 Acq: 21 Dec 2021 22:57

Tgt Ion: 75 Resp: 456
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.2 88.8#
 157 0.0 76.5 114.7#





#71

Naphthalene

Concen: 5.686 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.003 min

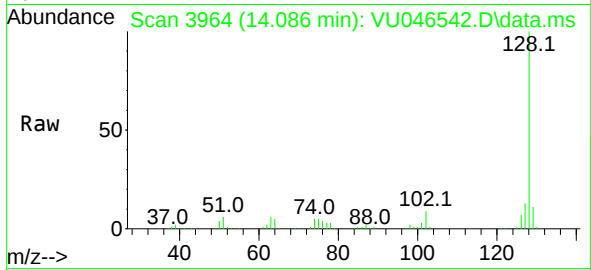
Lab File: VU046542.D

Acq: 21 Dec 2021 22:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 130510

Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

127 12.9 10.2 15.2

