

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050321\
 Data File : VU043488.D
 Acq On : 03 May 2021 15:04
 Operator : SY/MD
 Sample : M2195-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 04 07:40:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR050321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 04 07:31:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	100772	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	102599	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	49417	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	38052	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.916	69	27737	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.571	65	18658	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.636	46	122498	48.69	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	5.073	84	51261	3.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.20%#
26) 1,2-Dichloroethane-d4	5.710	65	45200	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.735	84	133852	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.700	67	46168	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.906	98	114812	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloroprop...	8.189	79	17871	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.642	63	89740	54.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.98%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	34862	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
66) 1,2-Dichlorobenzene-d4	12.201	152	43830	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	726	0.10	ug/L	94
13) Acetone	2.645	43	10823	6.45	ug/L	98
14) Carbon disulfide	2.803	76	2367	0.17	ug/L	98
22) cis-1,2-Dichloroethene	4.677	96	2095	0.30	ug/L	92
25) Chloroform	5.099	83	26431	1.78	ug/L	97
30) Cyclohexane	5.394	56	1317	0.14	ug/L #	83
33) Benzene	5.784	78	3490	0.13	ug/L	100
34) Trichloroethene	6.552	95	5752	0.83	ug/L	94
35) Methylcyclohexane	6.774	83	2284	0.26	ug/L	98
37) 1,2-Dichloropropane	6.700	63	6043	0.75	ug/L #	90
39) cis-1,3-Dichloropropene	7.571	75	1364	0.13	ug/L #	61
42) Toluene	7.976	91	14684	0.52	ug/L	96
45) 1,1,2-Trichloroethane	8.565	97	25064	4.50	ug/L #	1
47) Tetrachloroethene	8.565	164	2574643	506.39	ug/L	96
49) Dibromochloromethane	8.565	129	2509052	372.26	ug/L #	12
52) Ethylbenzene	9.578	91	2894	0.10	ug/L	94
53) m,p-Xylene	9.700	106	2355	0.22	ug/L	100
54) o-Xylene	10.111	106	880	0.08	ug/L	95
61) 1,2,3-Trichloropropane	11.819	75	7073	1.41	ug/L #	67

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue May 04 07:31:29 2021
Response via : Initial Calibration

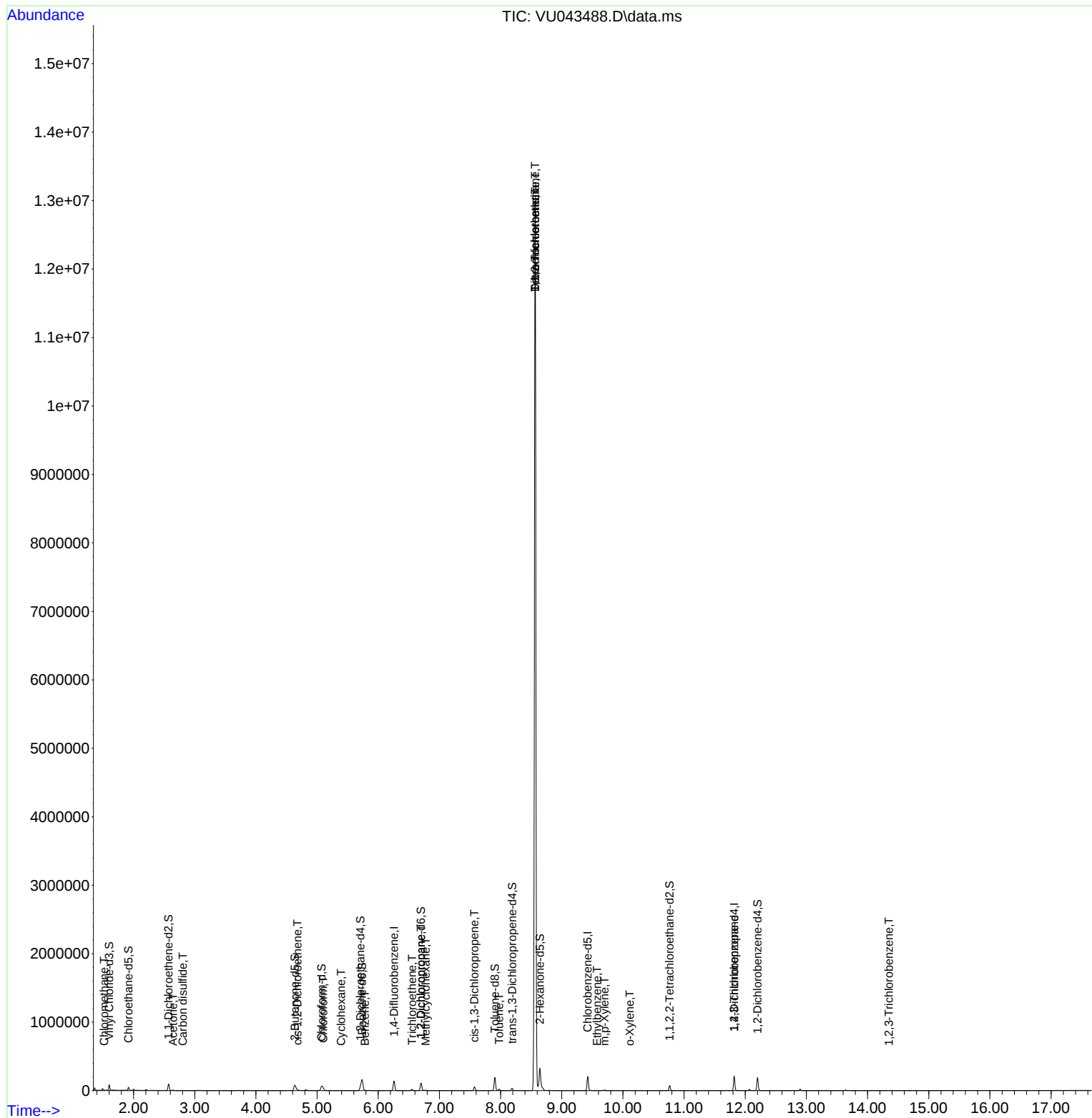
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.346	180	622	0.08 ug/L	#	81

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

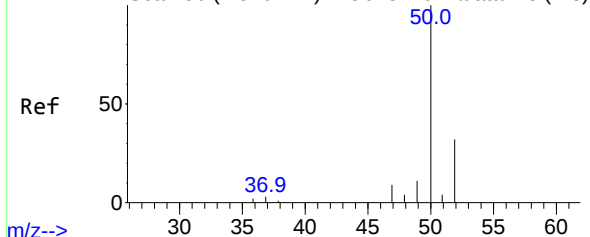
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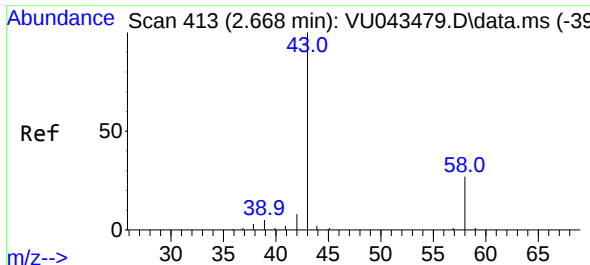
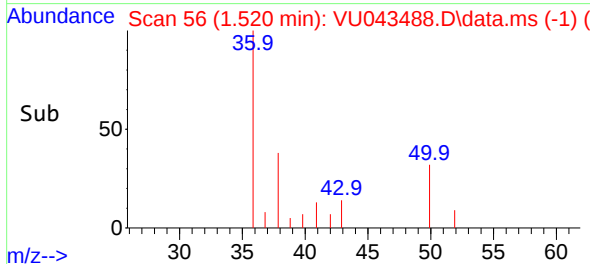
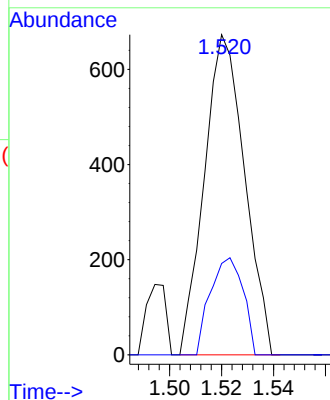
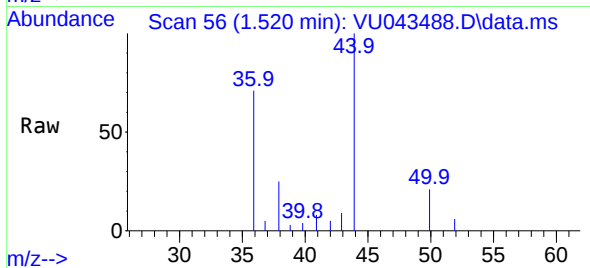
Abundance Scan 56 (1.520 min): VU043479.D\data.ms (-48)



#3
Chloromethane
Concen: 0.10 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

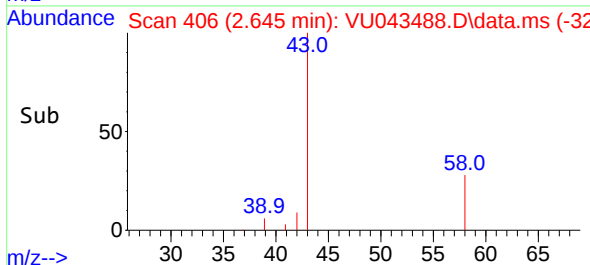
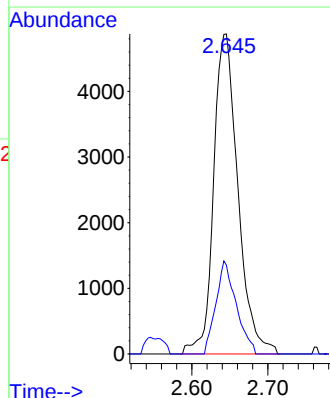
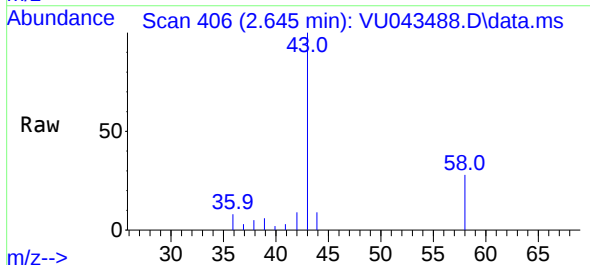
Tgt Ion: 50 Resp: 726
Ion Ratio Lower Upper
50 100
52 28.5 22.1 41.1

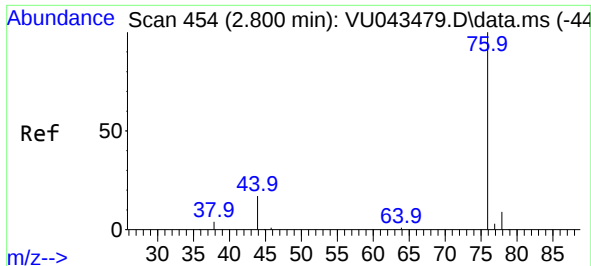
Instrument :
MSVOA_U
ClientSampled :



#13
Acetone
Concen: 6.45 ug/L
RT: 2.645 min Scan# 406
Delta R.T. -0.022 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

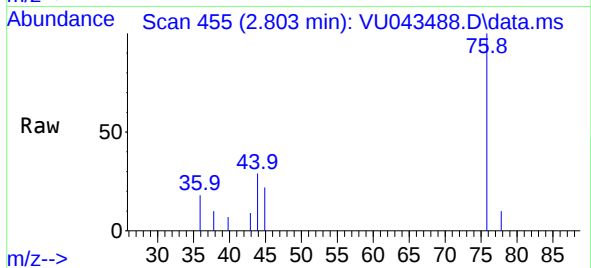
Tgt Ion: 43 Resp: 10823
Ion Ratio Lower Upper
43 100
58 24.3 0.0 50.8



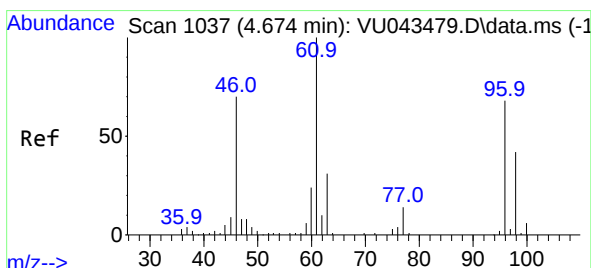
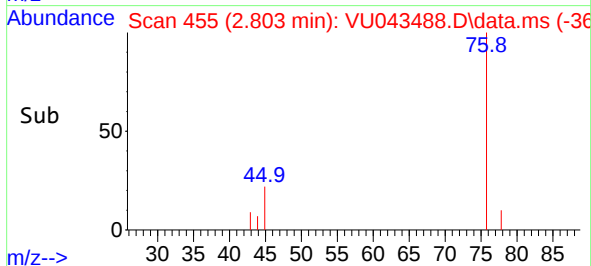
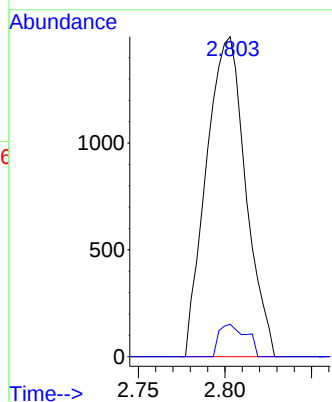


#14
Carbon disulfide
Concen: 0.17 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.003 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

Instrument :
MSVOA_U
ClientSampled :

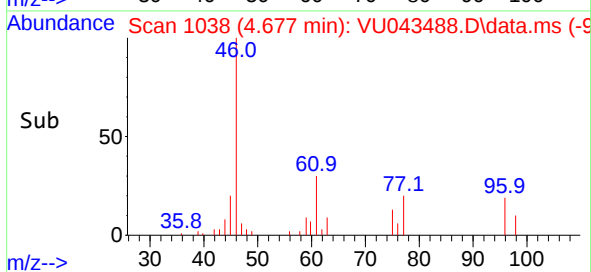
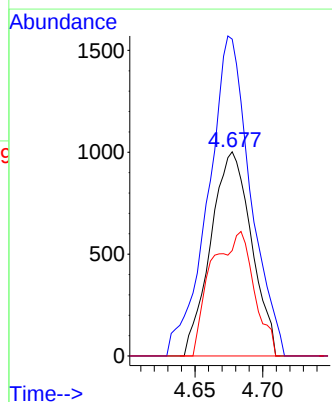
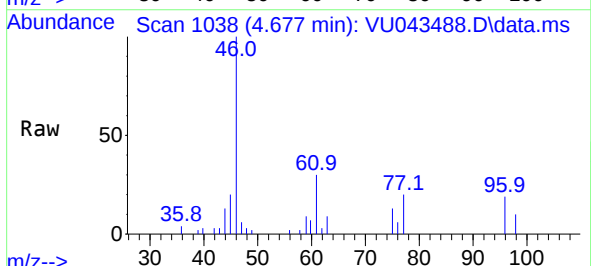


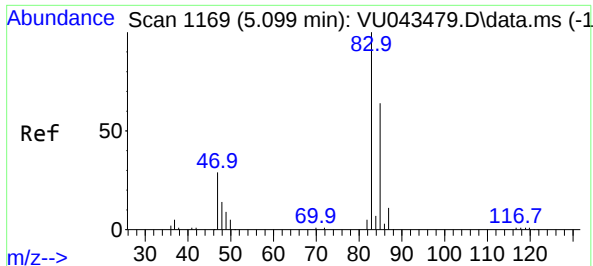
Tgt Ion: 76 Resp: 2367
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.2



#22
cis-1,2-Dichloroethene
Concen: 0.30 ug/L
RT: 4.677 min Scan# 1038
Delta R.T. 0.003 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

Tgt Ion: 96 Resp: 2095
Ion Ratio Lower Upper
96 100
61 155.2 102.8 190.8
98 51.7 42.8 79.6



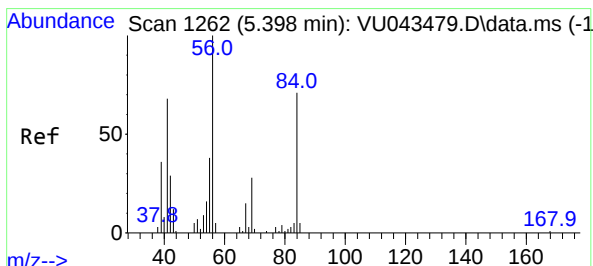
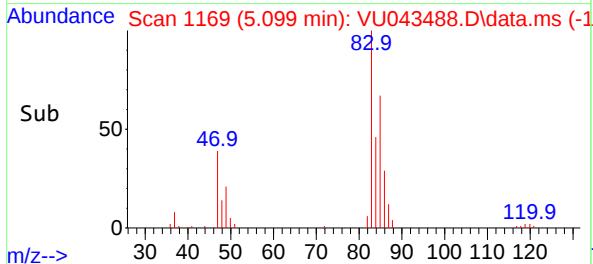
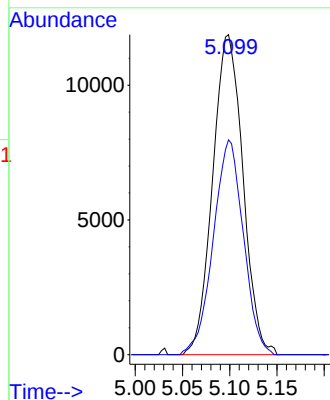
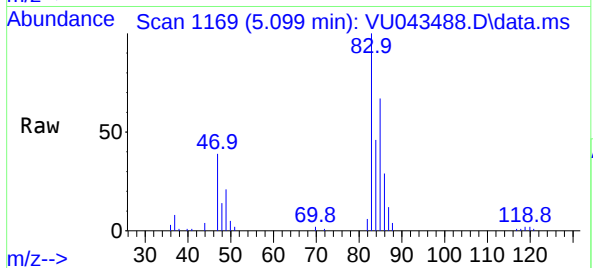


#25

Chloroform
Concen: 1.78 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

Instrument :
MSVOA_U
ClientSampled :

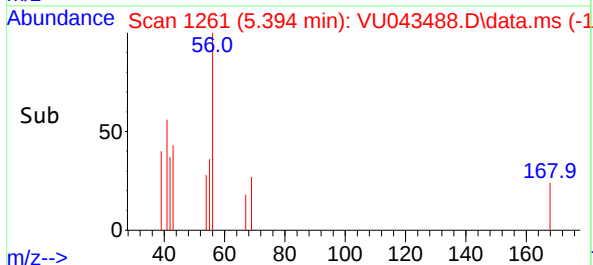
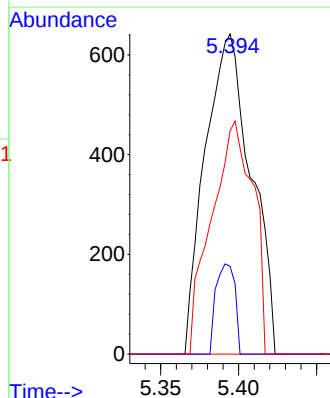
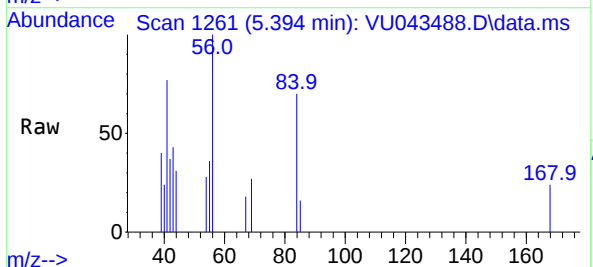
Tgt Ion: 83 Resp: 26431
Ion Ratio Lower Upper
83 100
85 67.1 45.1 83.9

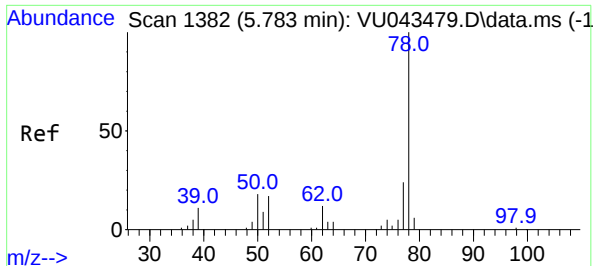


#30

Cyclohexane
Concen: 0.14 ug/L
RT: 5.394 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

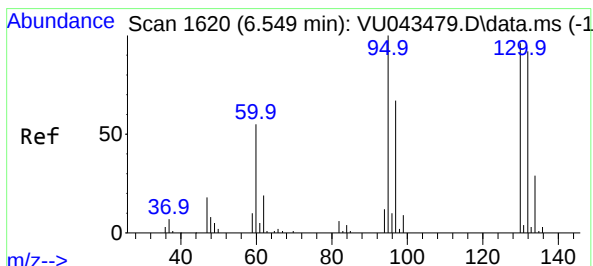
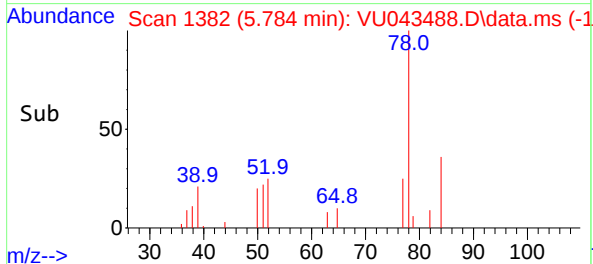
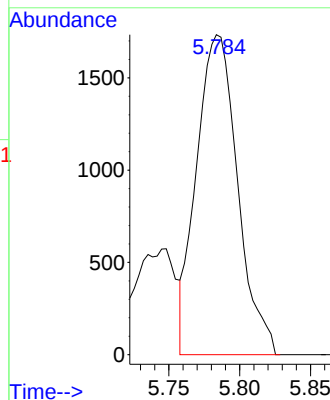
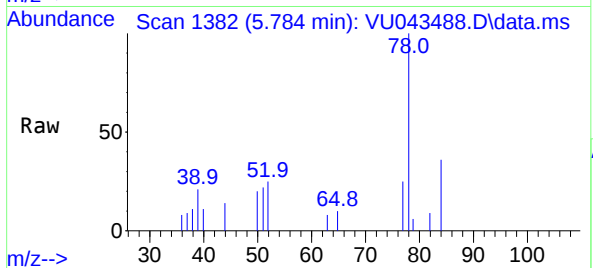
Tgt Ion: 56 Resp: 1317
Ion Ratio Lower Upper
56 100
69 11.5 23.0 34.4#
84 65.9 60.3 90.5



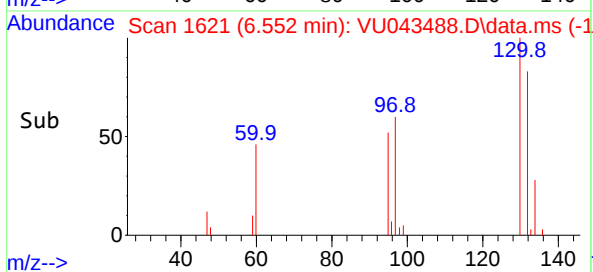
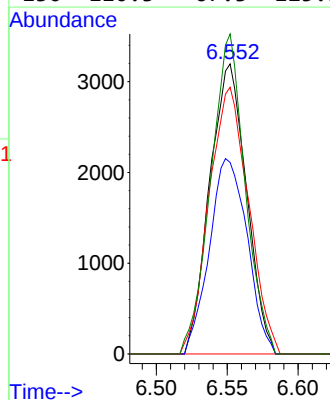
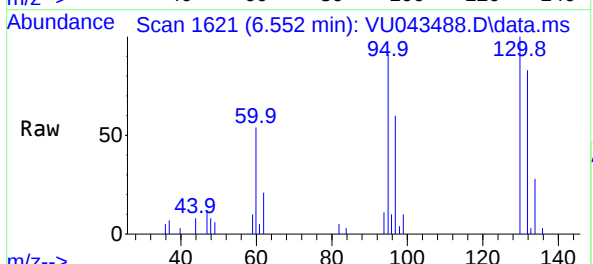


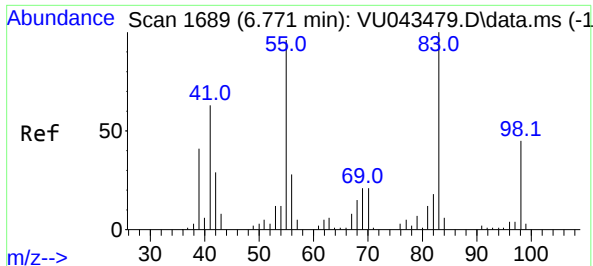
#33
Benzene
Concen: 0.13 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04
Tgt Ion: 78 Resp: 3490

Instrument :
MSVOA_U
ClientSampled :



#34
Trichloroethene
Concen: 0.83 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04
Tgt Ion: 95 Resp: 5752





#35

Methylcyclohexane

Concen: 0.26 ug/L

RT: 6.774 min Scan# 1690

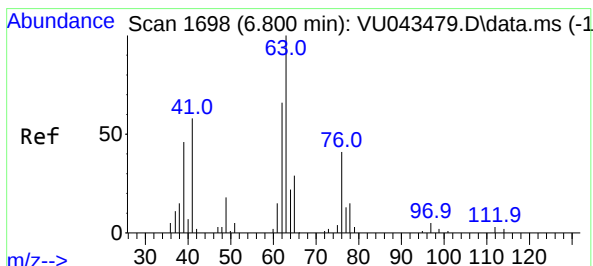
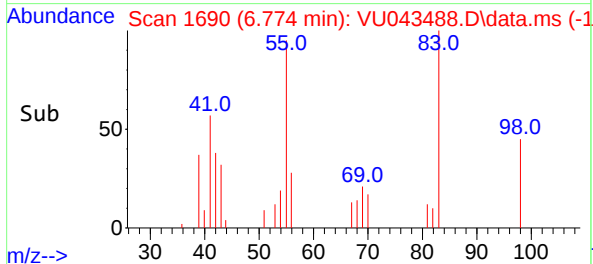
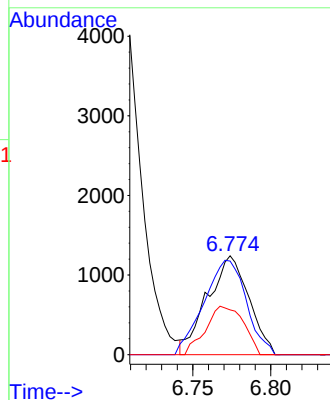
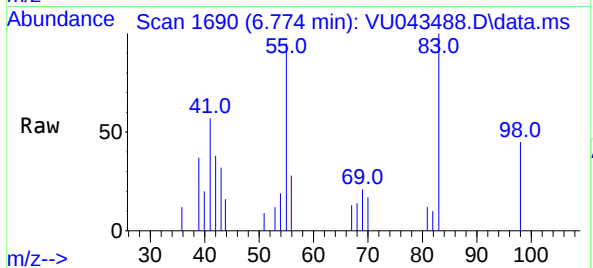
Delta R.T. 0.003 min

Lab File: VU043488.D

Acq: 03 May 2021 15:04

Tgt Ion:	83	Resp:	2284
Ion	Ratio	Lower	Upper
83	100		
55	98.0	75.8	113.8
98	44.8	35.5	53.3

Instrument :
MSVOA_U
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.75 ug/L

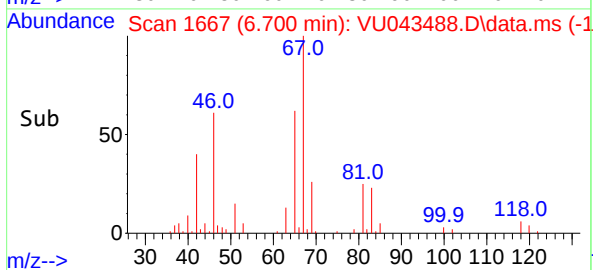
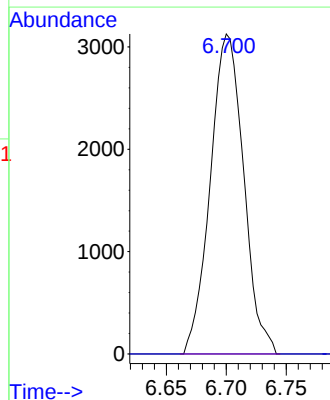
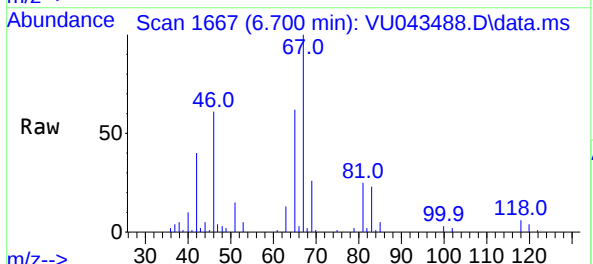
RT: 6.700 min Scan# 1667

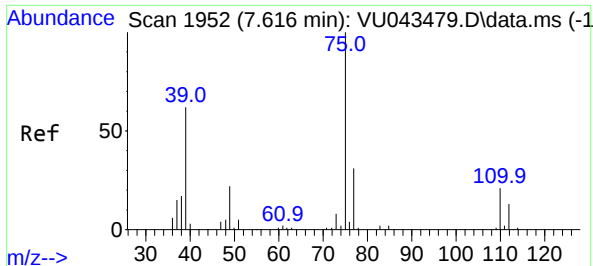
Delta R.T. -0.100 min

Lab File: VU043488.D

Acq: 03 May 2021 15:04

Tgt Ion:	63	Resp:	6043
Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.6	3.8#





#39

cis-1,3-Dichloropropene

Concen: 0.13 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.045 min

Lab File: VU043488.D

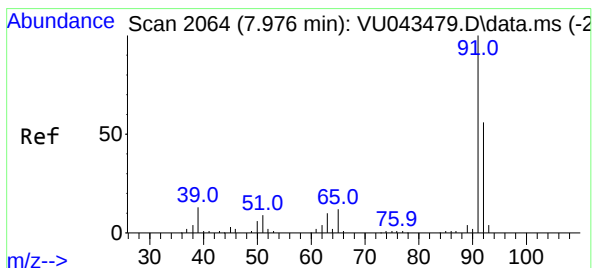
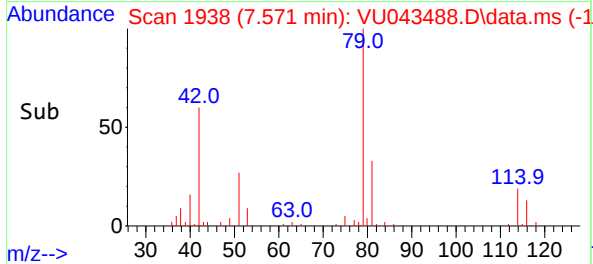
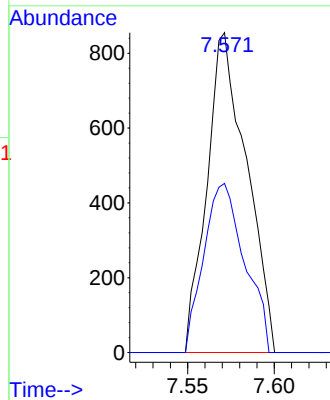
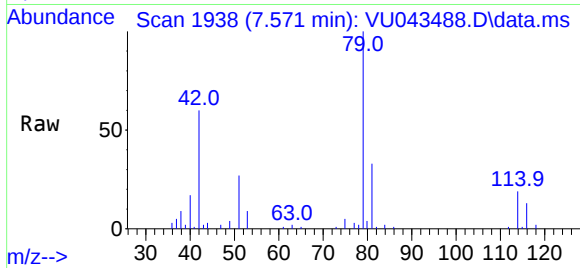
Acq: 03 May 2021 15:04

Tgt Ion: 75 Resp: 1364

Ion Ratio Lower Upper

75 100

77 52.9 21.9 40.7#



#42

Toluene

Concen: 0.52 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. 0.000 min

Lab File: VU043488.D

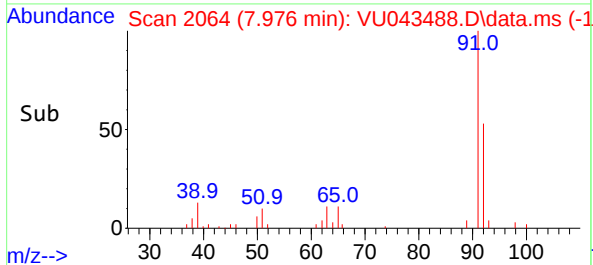
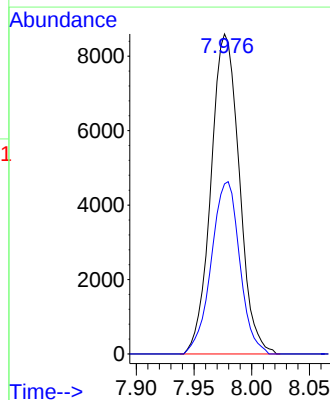
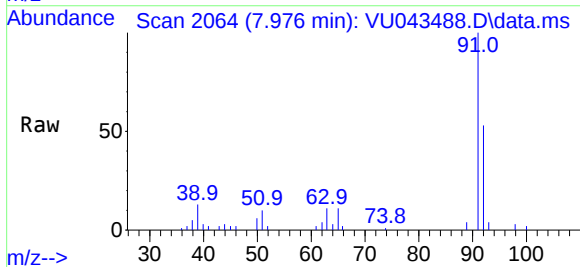
Acq: 03 May 2021 15:04

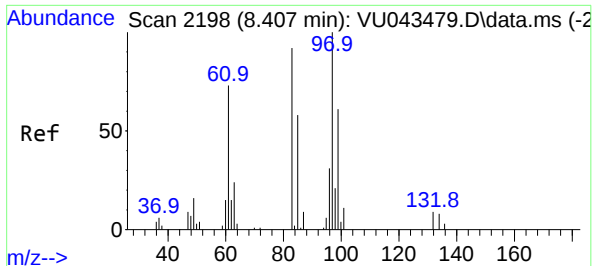
Tgt Ion: 91 Resp: 14684

Ion Ratio Lower Upper

91 100

92 53.1 39.1 72.5



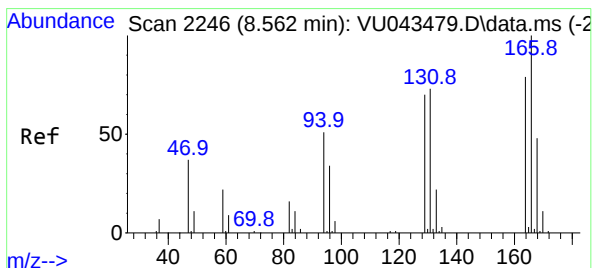
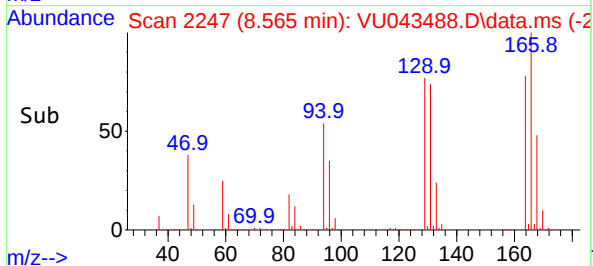
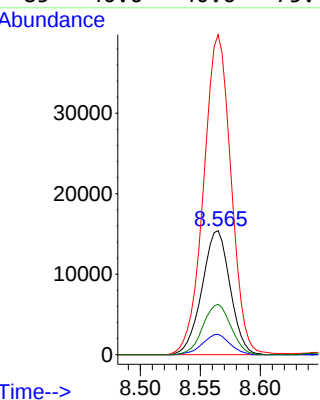
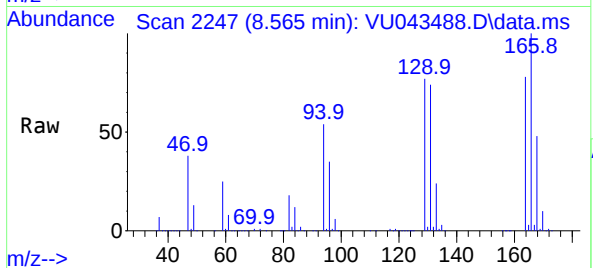


#45
1,1,2-Trichloroethane
Concen: 4.50 ug/L
RT: 8.565 min Scan# 2247
Delta R.T. 0.158 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 97 Resp: 25064

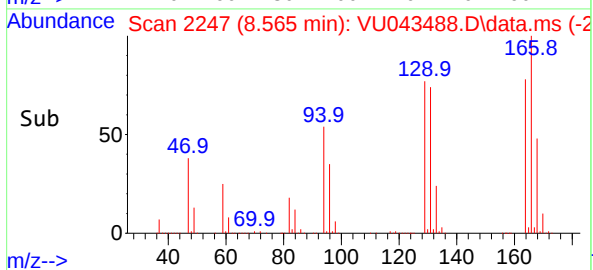
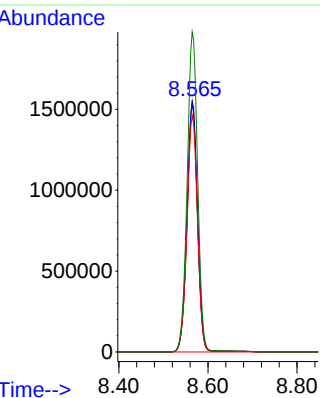
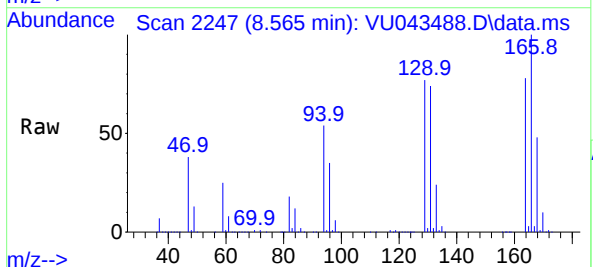
Ion	Ratio	Lower	Upper
97	100		
99	16.4	42.6	79.0#
83	258.1	64.1	119.1#
85	40.6	40.6	75.4

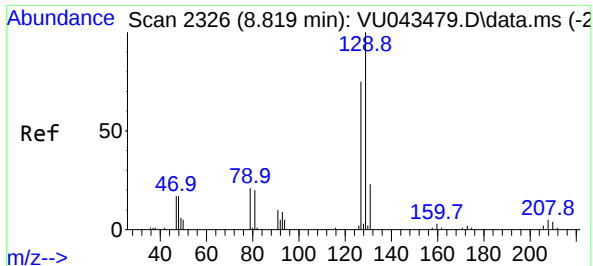


#47
Tetrachloroethene
Concen: 506.39 ug/L
RT: 8.565 min Scan# 2247
Delta R.T. 0.003 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

Tgt Ion: 164 Resp: 2574643

Ion	Ratio	Lower	Upper
164	100		
129	98.8	62.5	116.1
131	94.2	64.9	120.5
166	127.5	89.0	165.2





#49

Dibromochloromethane

Concen: 372.26 ug/L

RT: 8.565 min Scan# 2247

Delta R.T. -0.254 min

Lab File: VU043488.D

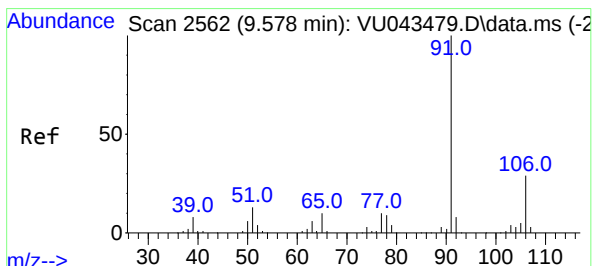
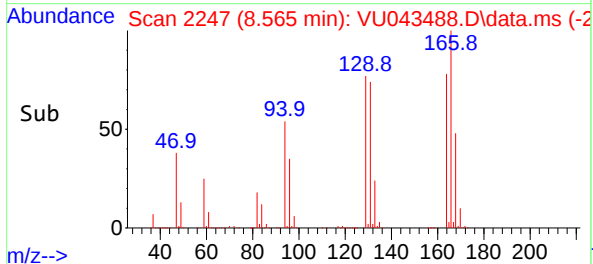
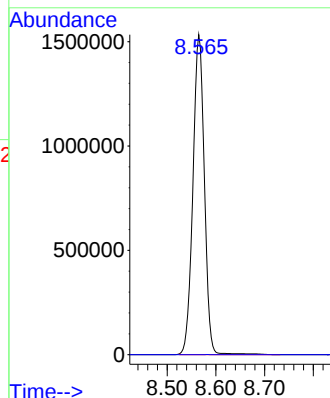
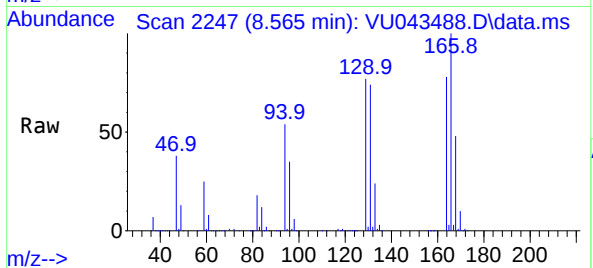
Acq: 03 May 2021 15:04

Tgt Ion:129 Resp: 2509052

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#



#52

Ethylbenzene

Concen: 0.10 ug/L

RT: 9.578 min Scan# 2562

Delta R.T. 0.000 min

Lab File: VU043488.D

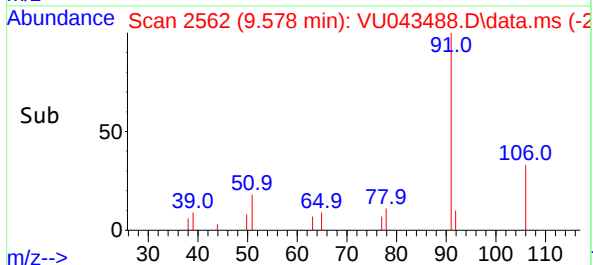
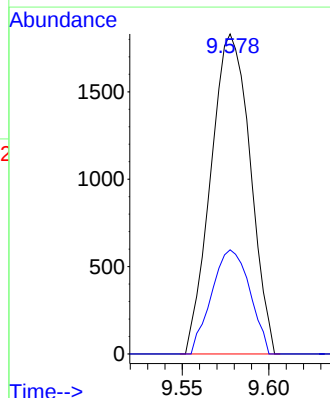
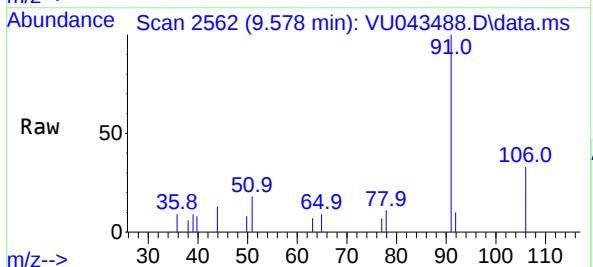
Acq: 03 May 2021 15:04

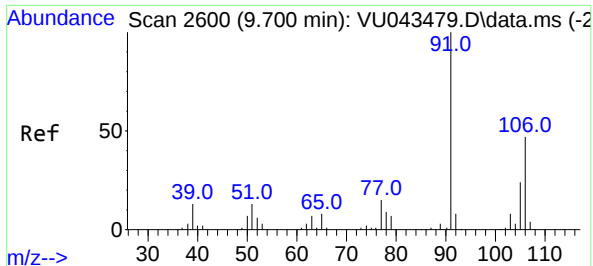
Tgt Ion: 91 Resp: 2894

Ion Ratio Lower Upper

91 100

106 32.6 20.5 38.1

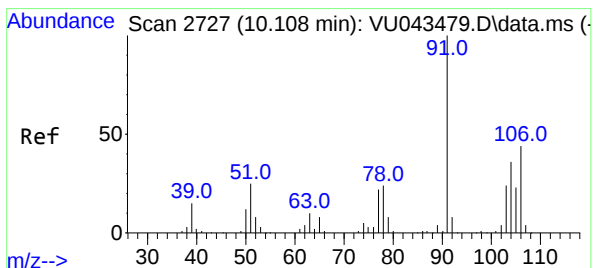
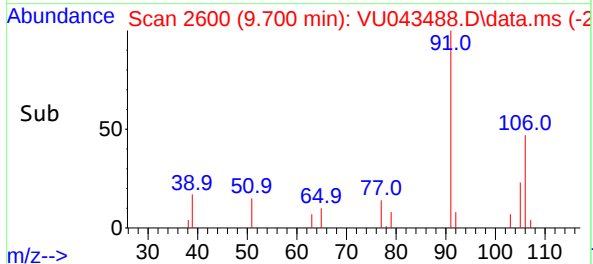
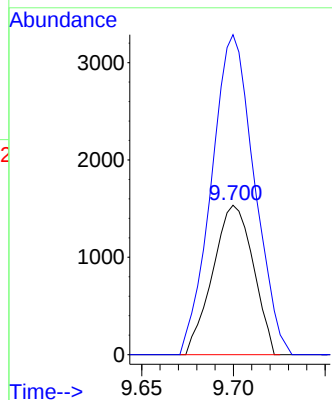
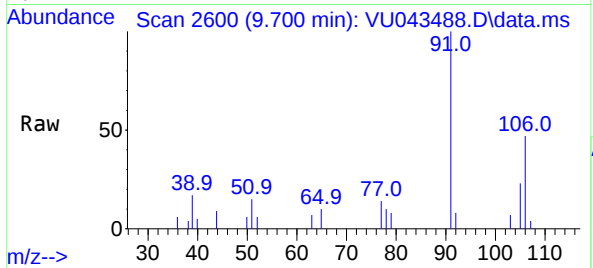




#53
m,p-Xylene
Concen: 0.22 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

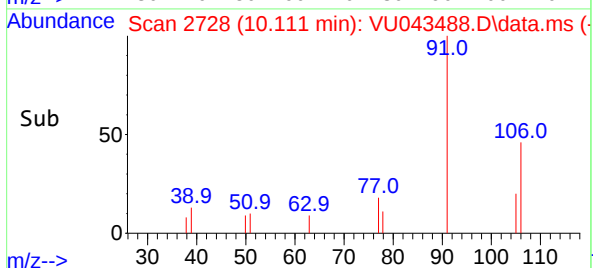
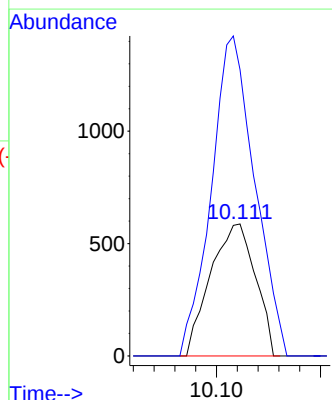
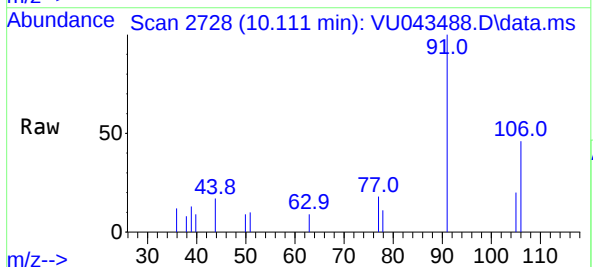
Instrument :
MSVOA_U
ClientSampled :

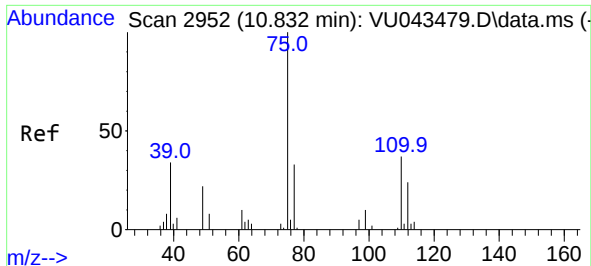
Tgt Ion:106 Resp: 2355
Ion Ratio Lower Upper
106 100
91 214.1 150.3 279.1



#54
o-Xylene
Concen: 0.08 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

Tgt Ion:106 Resp: 880
Ion Ratio Lower Upper
106 100
91 217.0 157.3 292.1

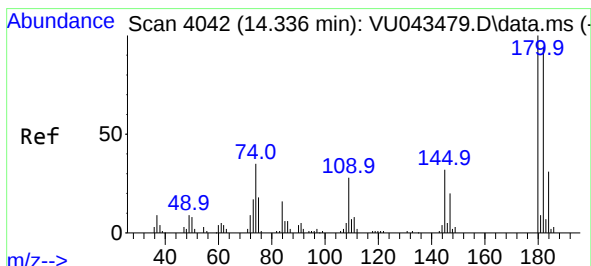
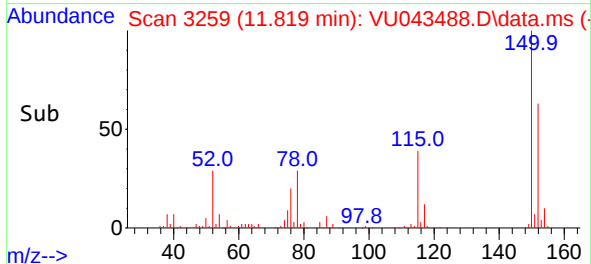
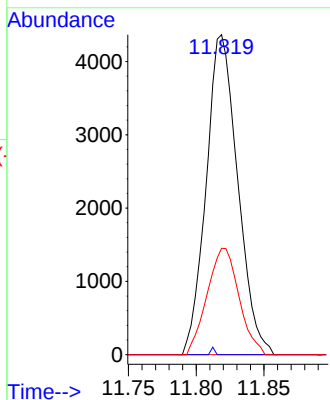
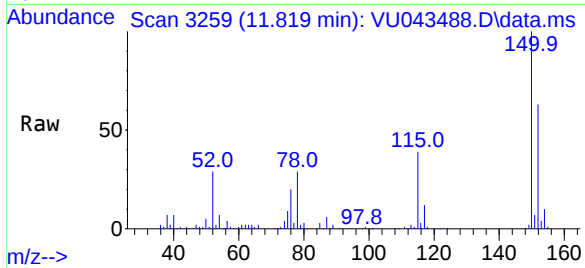




#61
1,2,3-Trichloropropane
Concen: 1.41 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 7073
Ion Ratio Lower Upper
75 100
110 0.3 28.6 42.8#
77 33.6 25.7 38.5



#72
1,2,3-Trichlorobenzene
Concen: 0.08 ug/L
RT: 14.346 min Scan# 4045
Delta R.T. 0.010 min
Lab File: VU043488.D
Acq: 03 May 2021 15:04

Tgt Ion: 180 Resp: 622
Ion Ratio Lower Upper
180 100
182 113.8 75.7 113.5#
145 23.6 25.7 38.5#

