

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051222\
 Data File : VU048535.D
 Acq On : 12 May 2022 12:43
 Operator : SY/MD
 Sample : N2801-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 03:57:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 13 03:54:05 2022
 Response via : Initial Calibration

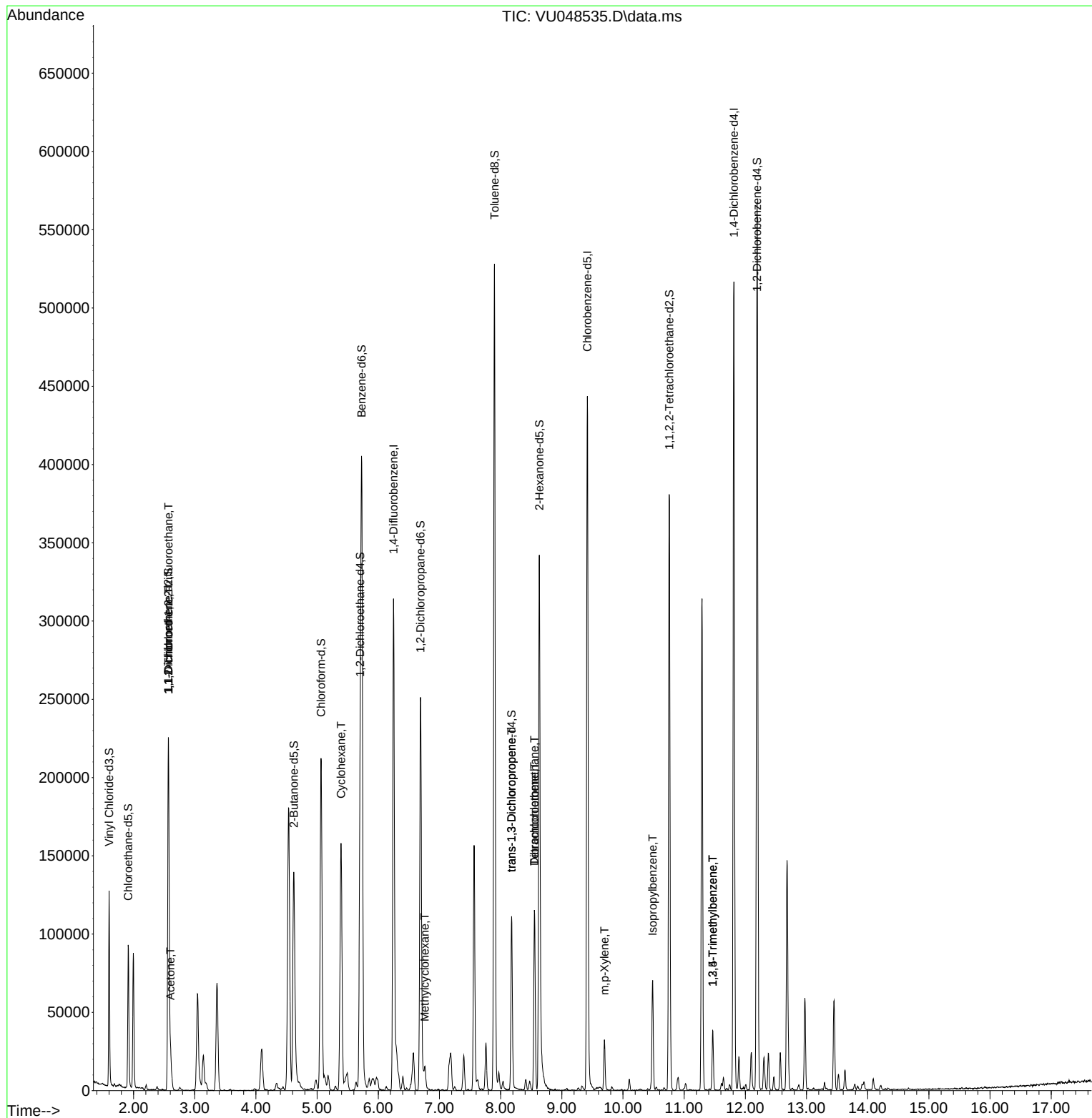
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	251745	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	247453	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	138147	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	81311	37.504	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.000%
7) Chloroethane-d5	1.913	69	63140	44.623	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.240%
11) 1,1-Dichloroethene-d2	2.569	63	133953	34.716	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.440%
21) 2-Butanone-d5	4.620	46	163361	88.475	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.470%
24) Chloroform-d	5.067	84	201828	53.595	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.200%
26) 1,2-Dichloroethane-d4	5.704	65	142908	58.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.760%
32) Benzene-d6	5.729	84	377862	50.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.500%
36) 1,2-Dichloropropane-d6	6.691	67	114209	46.576	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.160%
41) Toluene-d8	7.900	98	346789	52.145	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.300%
43) trans-1,3-Dichloroprop...	8.179	79	61955	54.894	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.780%
47) 2-Hexanone-d5	8.633	63	117979	99.406	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.410%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	178644	47.828	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.660%
66) 1,2-Dichlorobenzene-d4	12.192	152	148653	54.342	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.680%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1253	0.672	ug/L #	19
12) 1,1-Dichloroethene	2.572	96	1065	0.604	ug/L #	1
13) Acetone	2.604	43	7495	5.384	ug/L	49
29) Cyclohexane	5.392	56	74249	21.744	ug/L	87
35) Methylcyclohexane	6.761	83	4730	1.416	ug/L	86
44) trans-1,3-Dichloropropene	8.179	75	2910	0.885	ug/L	88
46) Tetrachloroethene	8.552	164	26215	16.662	ug/L	96
49) Dibromochloromethane	8.552	129	24816	10.745	ug/L #	11
53) m,p-Xylene	9.697	106	9089	2.571	ug/L	85
61) Isopropylbenzene	10.485	105	42962	4.438	ug/L	99
62) 1,3,5-Trimethylbenzene	11.469	105	20461	3.834	ug/L	97
63) 1,2,4-Trimethylbenzene	11.469	105	20461	2.575	ug/L	97

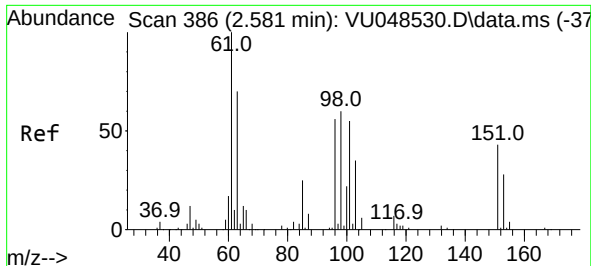
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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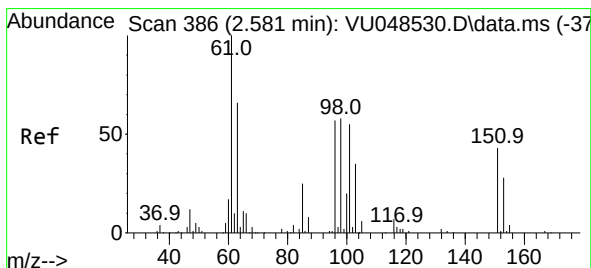
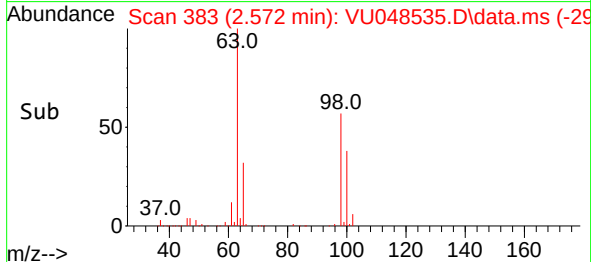
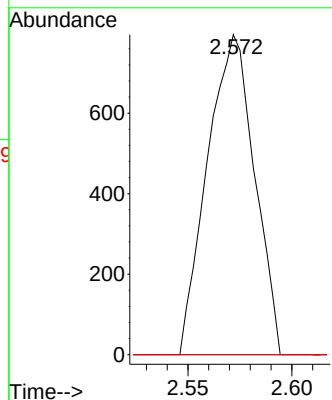
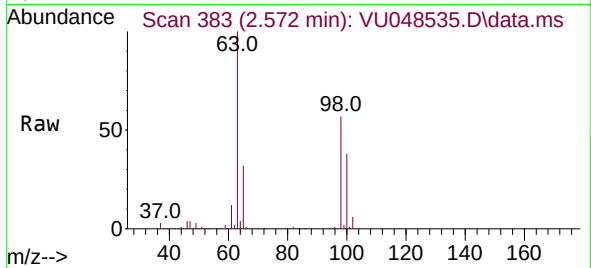




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.672 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.009 min
 Lab File: VU048535.D
 Acq: 12 May 2022 12:43

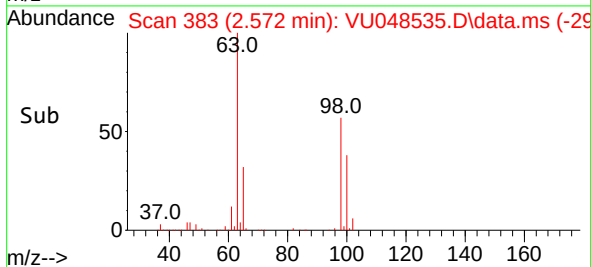
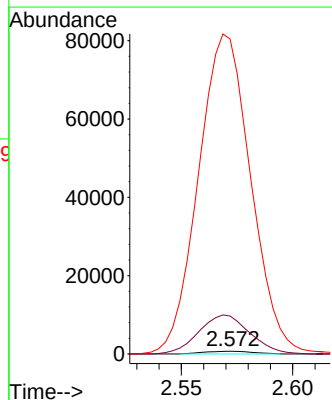
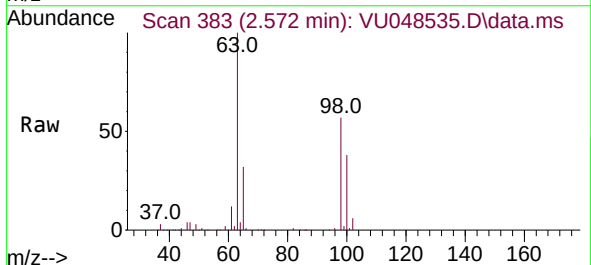
Instrument :
 MSVOA_U
 ClientSampleId :

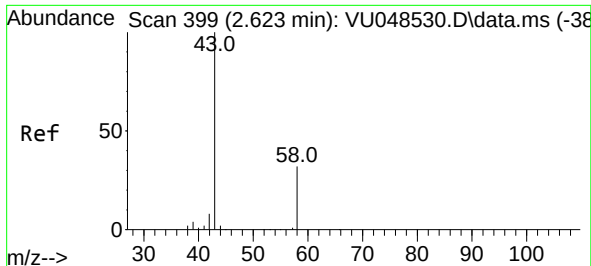
Tgt Ion:101 Resp: 1253
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.8 52.2#
 151 0.0 60.7 91.1#



#12
 1,1-Dichloroethene
 Concen: 0.604 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.009 min
 Lab File: VU048535.D
 Acq: 12 May 2022 12:43

Tgt Ion: 96 Resp: 1065
 Ion Ratio Lower Upper
 96 100
 61 1428.7 124.5 231.3#
 63 11845.7 92.5 171.9#





#13

Acetone

Concen: 5.384 ug/L

RT: 2.604 min Scan# 399

Delta R.T. -0.019 min

Lab File: VU048535.D

Acq: 12 May 2022 12:43

Instrument :

MSVOA_U

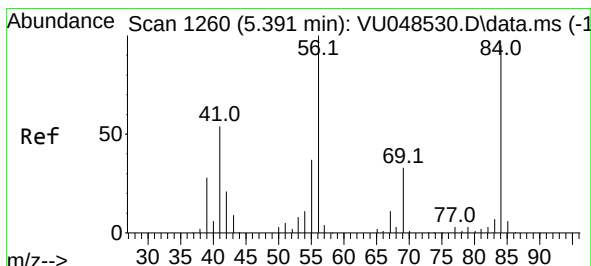
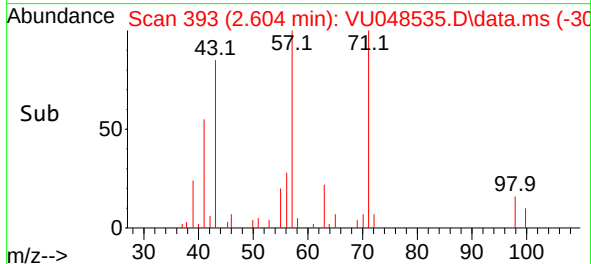
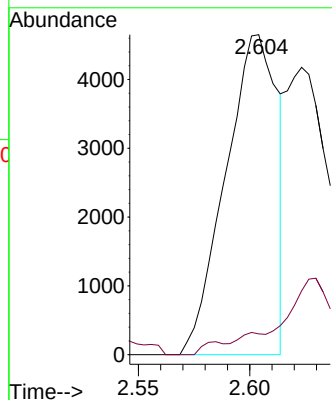
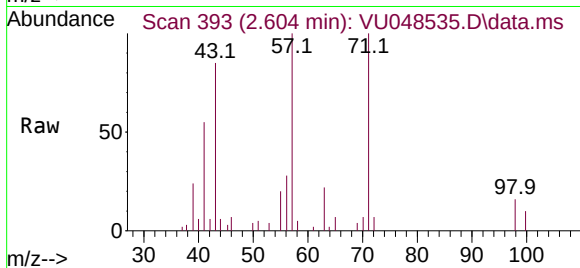
ClientSampleId :

Tgt Ion: 43 Resp: 7495

Ion Ratio Lower Upper

43 100

58 4.1 0.0 66.2



#29

Cyclohexane

Concen: 21.744 ug/L

RT: 5.392 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU048535.D

Acq: 12 May 2022 12:43

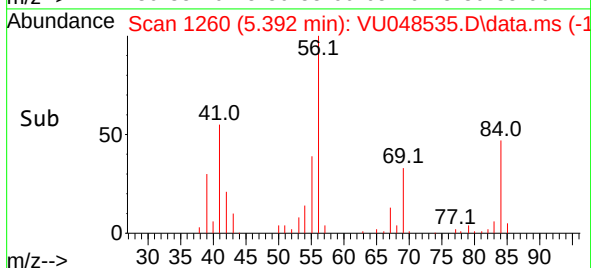
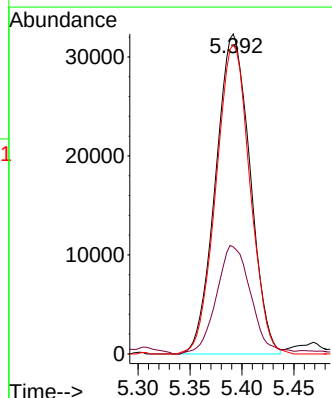
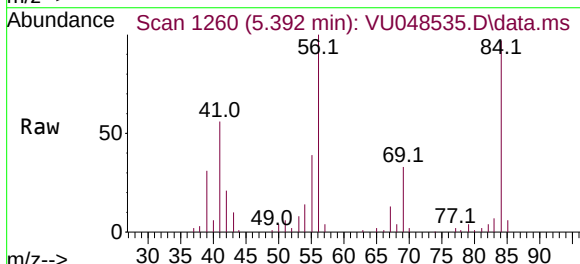
Tgt Ion: 56 Resp: 74249

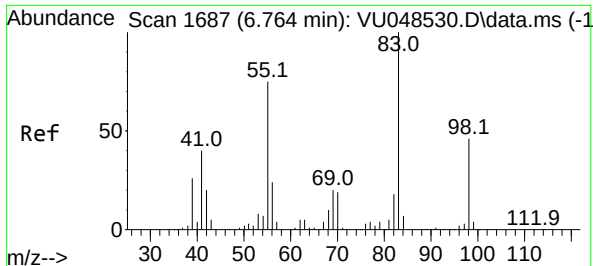
Ion Ratio Lower Upper

56 100

69 33.9 23.4 35.0

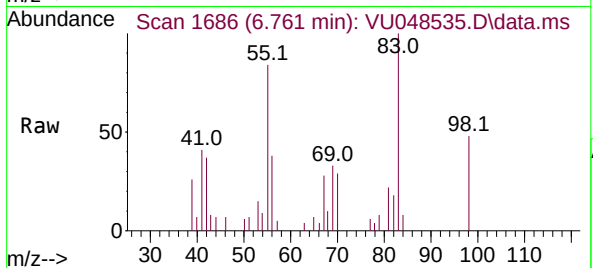
84 95.3 65.5 98.3



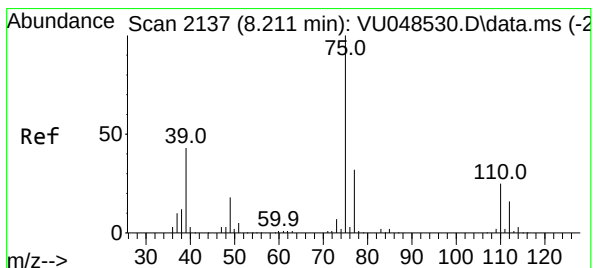
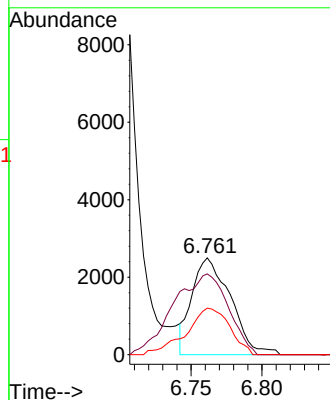
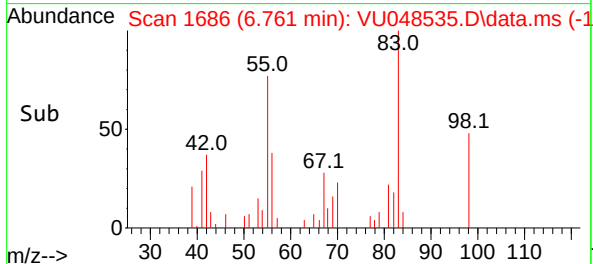


#35
Methylcyclohexane
Concen: 1.416 ug/L
RT: 6.761 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU048535.D
Acq: 12 May 2022 12:43

Instrument :
MSVOA_U
ClientSampleId :

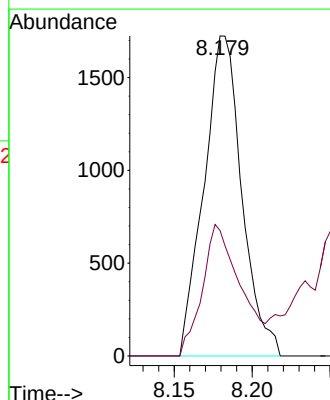
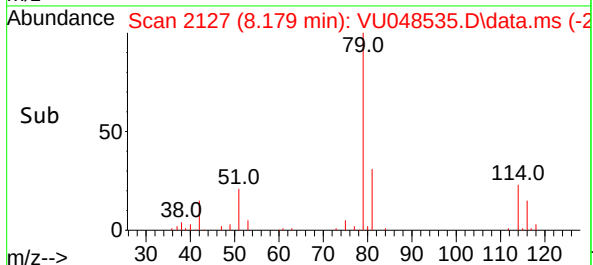
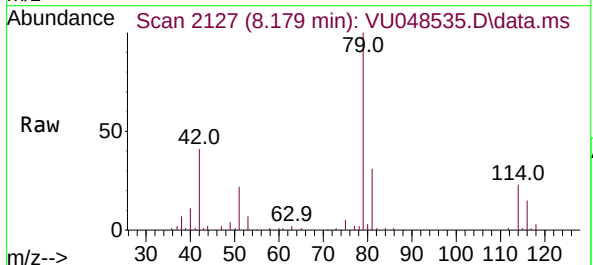


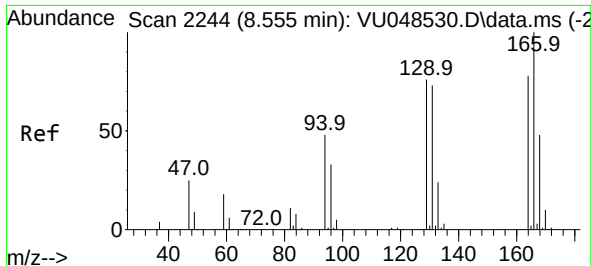
Tgt Ion: 83 Resp: 4730
Ion Ratio Lower Upper
83 100
55 66.8 63.4 95.2
98 53.4 35.9 53.9



#44
trans-1,3-Dichloropropene
Concen: 0.885 ug/L
RT: 8.179 min Scan# 2127
Delta R.T. -0.032 min
Lab File: VU048535.D
Acq: 12 May 2022 12:43

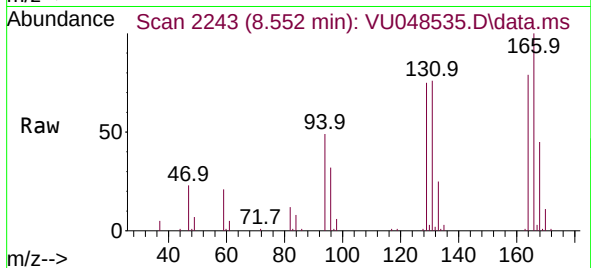
Tgt Ion: 75 Resp: 2910
Ion Ratio Lower Upper
75 100
77 39.2 22.6 42.0



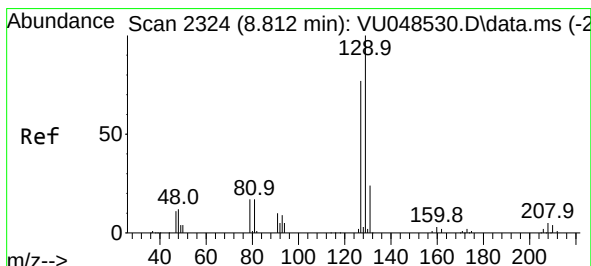
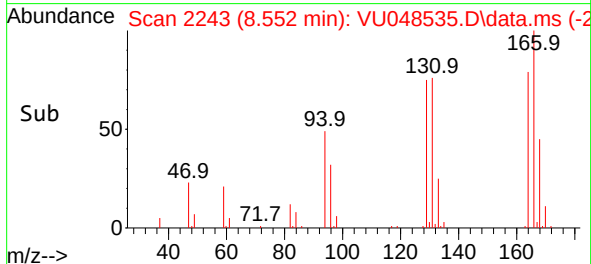
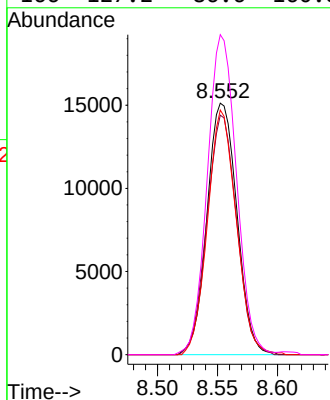


#46
Tetrachloroethene
Concen: 16.662 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048535.D
Acq: 12 May 2022 12:43

Instrument :
MSVOA_U
ClientSampleId :

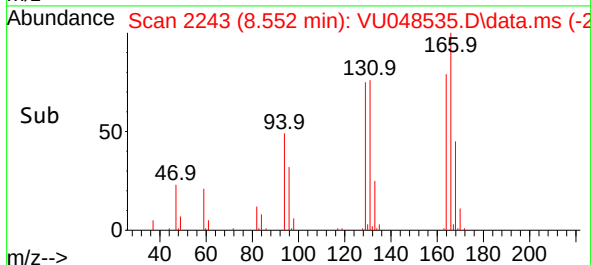
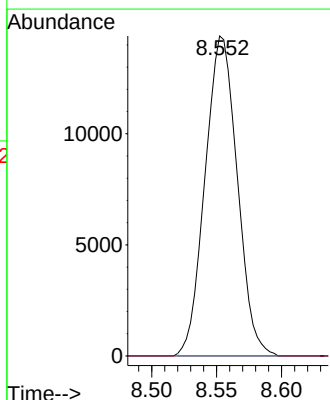
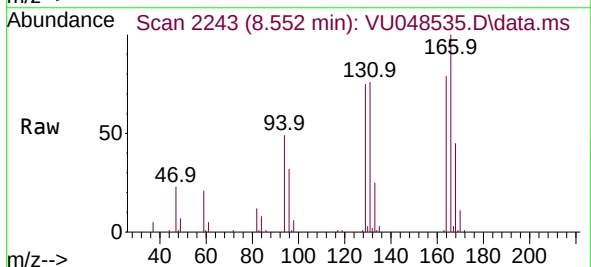


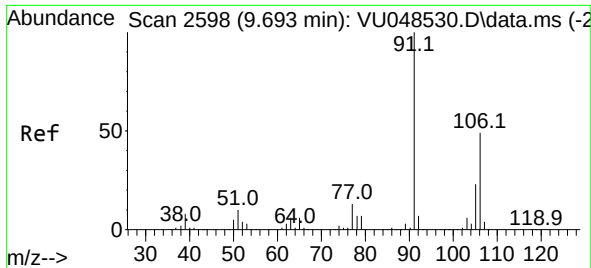
Tgt Ion:164 Resp: 26215
Ion Ratio Lower Upper
164 100
129 95.2 69.2 128.6
131 97.3 65.2 121.0
166 127.2 86.6 160.8



#49
Dibromochloromethane
Concen: 10.745 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU048535.D
Acq: 12 May 2022 12:43

Tgt Ion:129 Resp: 24816
Ion Ratio Lower Upper
129 100
127 0.8 55.2 102.4#

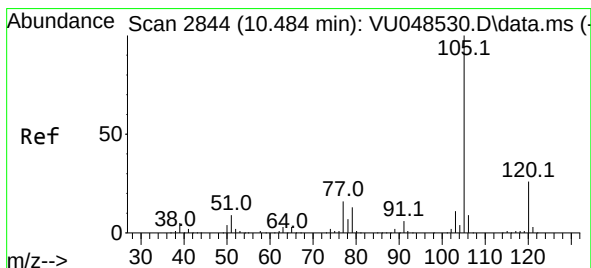
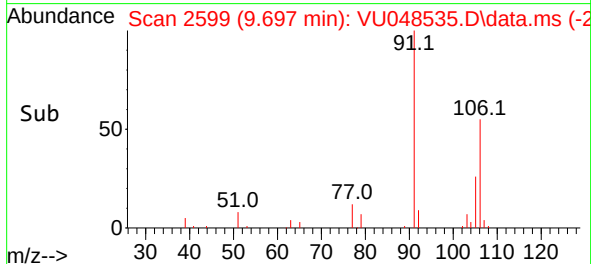
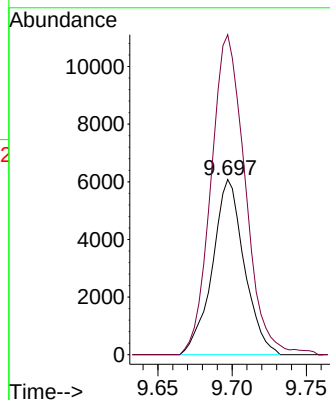
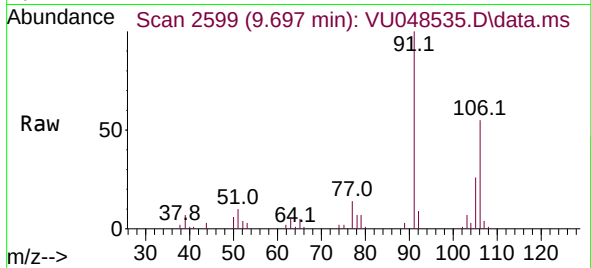




#53
m,p-Xylene
Concen: 2.571 ug/L
RT: 9.697 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048535.D
Acq: 12 May 2022 12:43

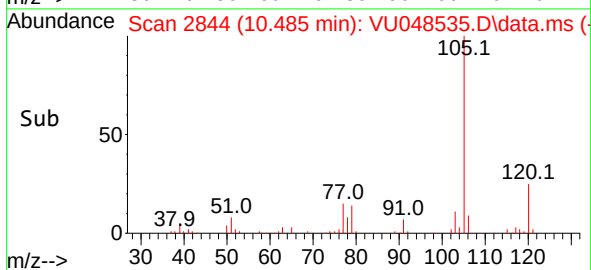
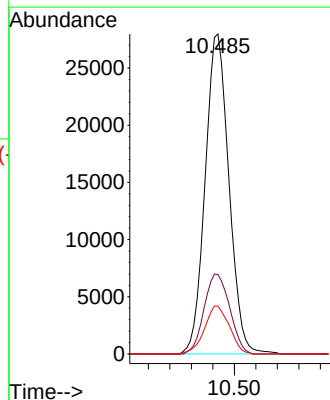
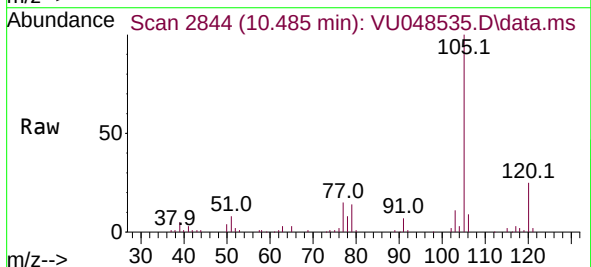
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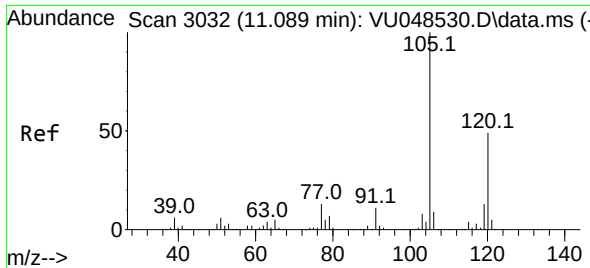
Tgt Ion:106 Resp: 9089
Ion Ratio Lower Upper
106 100
91 182.6 144.1 267.7



#61
Isopropylbenzene
Concen: 4.438 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048535.D
Acq: 12 May 2022 12:43

Tgt Ion:105 Resp: 42962
Ion Ratio Lower Upper
105 100
120 26.8 21.0 31.4
77 15.6 12.5 18.7

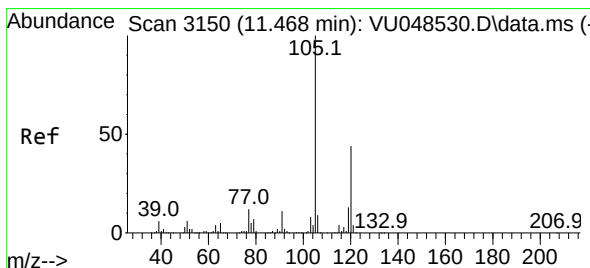
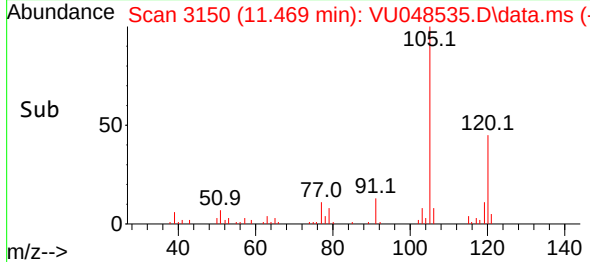
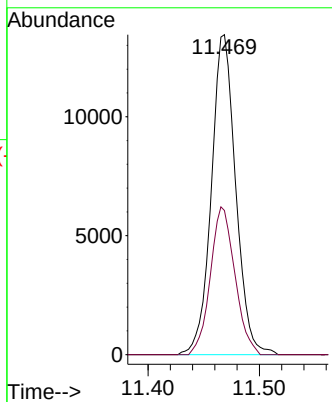
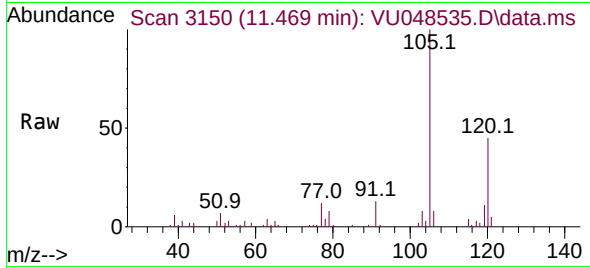




#62
 1,3,5-Trimethylbenzene
 Concen: 3.834 ug/L
 RT: 11.469 min Scan# 3150
 Delta R.T. 0.380 min
 Lab File: VU048535.D
 Acq: 12 May 2022 12:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:105 Resp: 20461
 Ion Ratio Lower Upper
 105 100
 120 46.4 38.5 57.7



#63
 1,2,4-Trimethylbenzene
 Concen: 2.575 ug/L
 RT: 11.469 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU048535.D
 Acq: 12 May 2022 12:43

Tgt Ion:105 Resp: 20461
 Ion Ratio Lower Upper
 105 100
 120 46.4 35.4 53.2

