

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046400.D
 Acq On : 15 Dec 2021 16:42
 Operator : SY/MD
 Sample : M5062-05ME
 Misc : 6.74g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:11:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

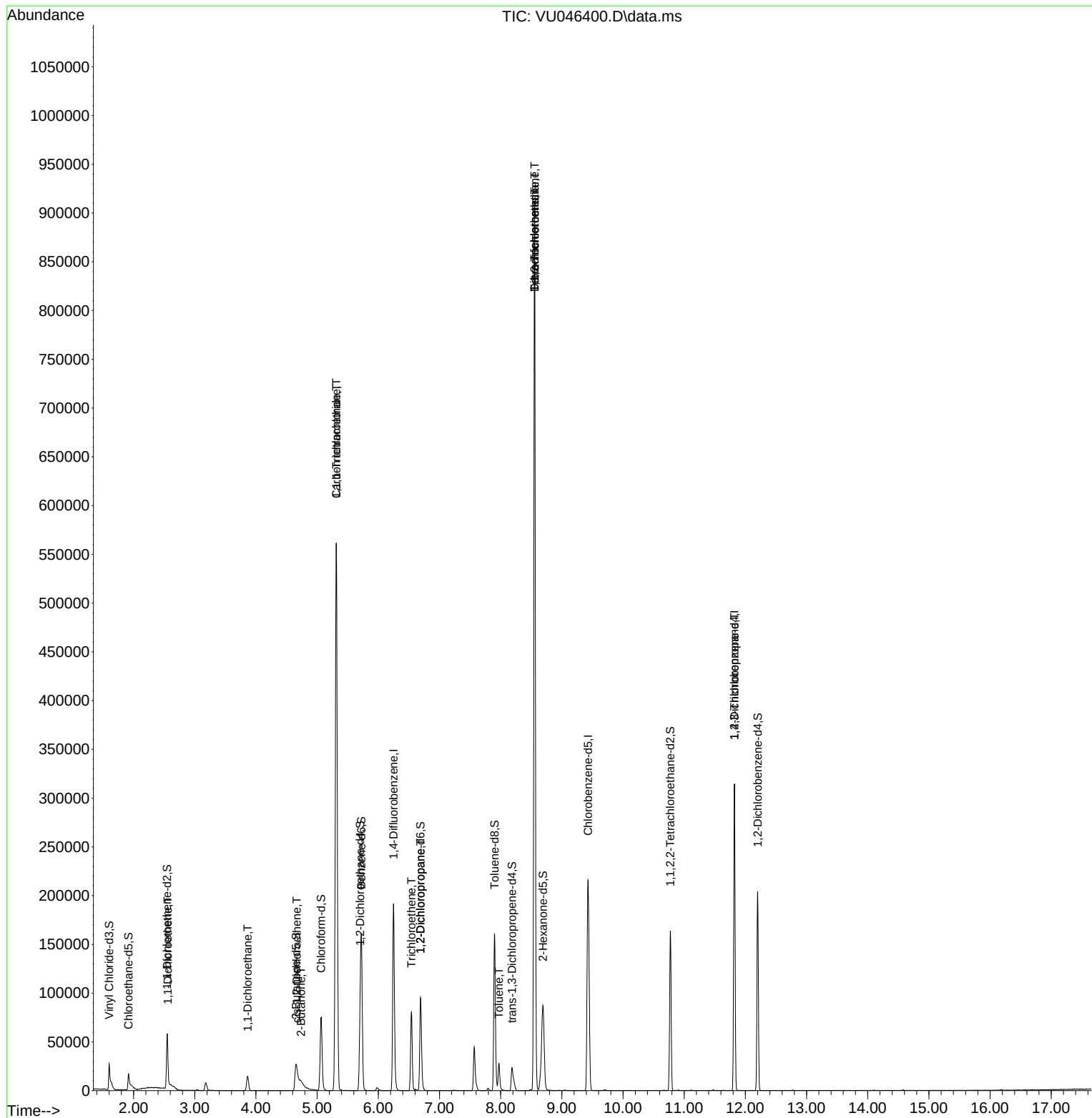
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	164175	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	169653	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	81568	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	34342	25.394	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.780%#
7) Chloroethane-d5	1.916	69	19229	18.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	37.040%#
11) 1,1-Dichloroethene-d2	2.549	63	36856	15.181	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	30.360%#
21) 2-Butanone-d5	4.655	46	78923	73.411	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.410%
24) Chloroform-d	5.067	84	75235	33.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.620%#
26) 1,2-Dichloroethane-d4	5.703	65	53590	35.358	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.720%
32) Benzene-d6	5.723	84	137071	28.189	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	56.380%#
36) 1,2-Dichloropropane-d6	6.690	67	47444	31.483	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	62.960%#
41) Toluene-d8	7.899	98	118011	26.655	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	53.320%#
43) trans-1,3-Dichloroprop...	8.186	79	22874	31.443	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.880%
47) 2-Hexanone-d5	8.690	63	61147	85.578	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.580%
56) 1,1,2,2-Tetrachloroeth...	10.774	84	82913	36.279	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	72.560%
66) 1,2-Dichlorobenzene-d4	12.201	152	51739	32.937	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	65.880%#
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.559	96	952	0.839	ug/L #	1
19) 1,1-Dichloroethane	3.864	63	17267	7.905	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	852	0.654	ug/L	92
22) 2-Butanone	4.739	43	5437	3.717	ug/L	78
30) 1,1,1-Trichloroethane	5.314	97	418227	200.829	ug/L	100
31) Carbon tetrachloride	5.314	117	50602	28.622	ug/L	96
34) Trichloroethene	6.543	95	28161	20.818	ug/L	96
37) 1,2-Dichloropropane	6.690	63	5429	4.036	ug/L #	86
42) Toluene	7.973	91	22285	4.045	ug/L	95
45) 1,1,2-Trichloroethane	8.555	97	1939	1.437	ug/L #	1
46) Tetrachloroethene	8.555	164	200900	202.097	ug/L	99
49) Dibromochloromethane	8.555	129	199254	140.608	ug/L #	10
60) 1,2,3-Trichloropropane	11.822	75	10006	5.596	ug/L #	65

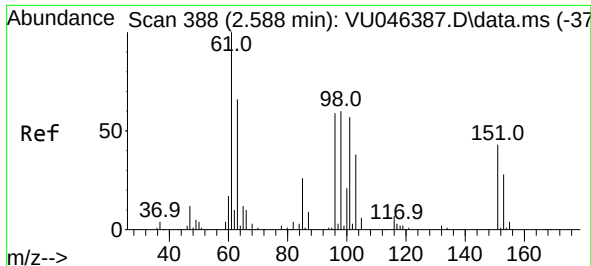
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 16 02:25:11 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.839 ug/L

RT: 2.559 min Scan# 31

Delta R.T. -0.029 min

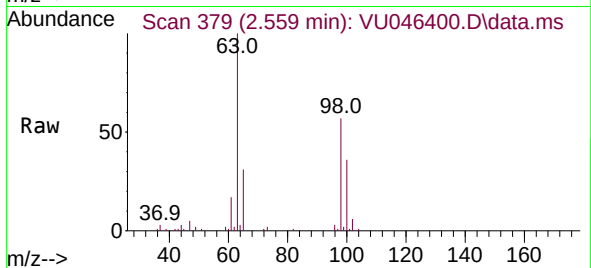
Lab File: VU046400.D

Acq: 15 Dec 2021 16:42

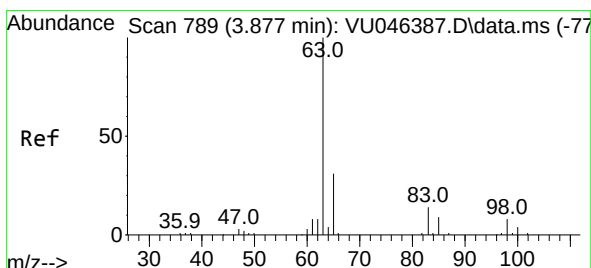
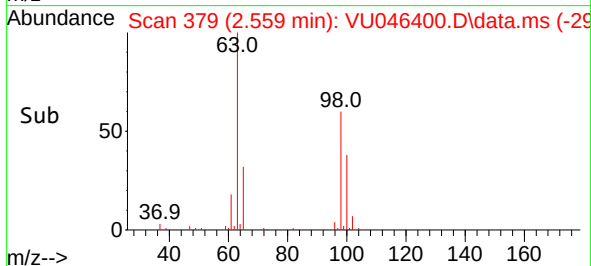
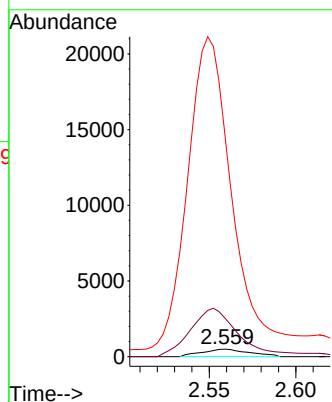
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	952
Ion	Ratio	Lower	Upper
96	100		
61	515.6	118.6	220.2#
63	2975.0	93.0	172.8#



#19

1,1-Dichloroethane

Concen: 7.905 ug/L

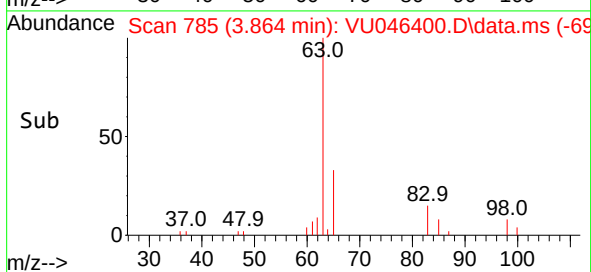
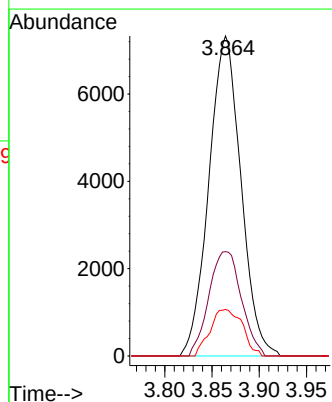
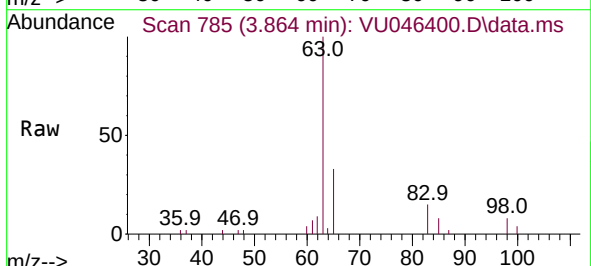
RT: 3.864 min Scan# 785

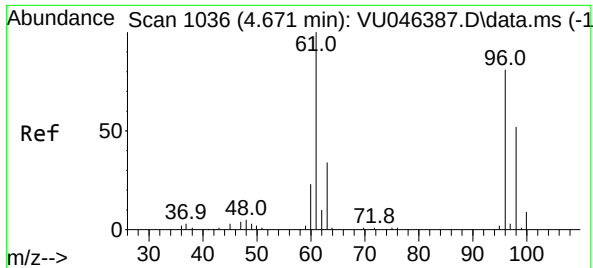
Delta R.T. -0.013 min

Lab File: VU046400.D

Acq: 15 Dec 2021 16:42

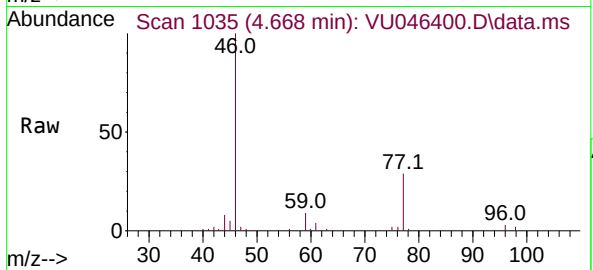
Tgt Ion:	63	Resp:	17267
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.8	42.4
83	14.5	9.6	17.8



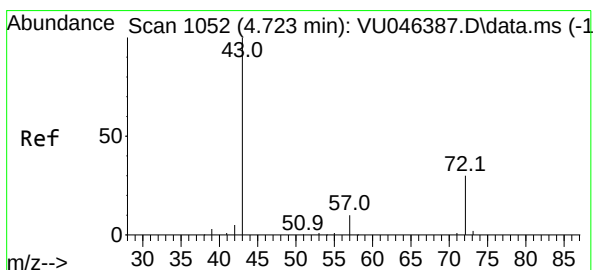
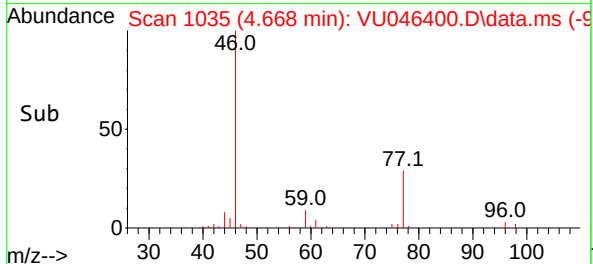
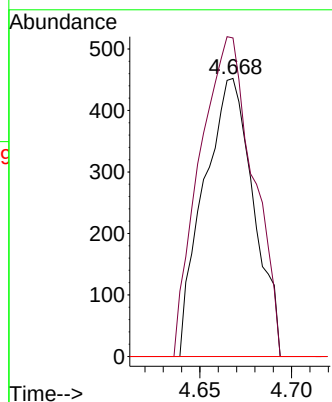


#20
 cis-1,2-Dichloroethene
 Concen: 0.654 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.003 min
 Lab File: VU046400.D
 Acq: 15 Dec 2021 16:42

Instrument :
 MSVOA_U
 ClientSampleId :

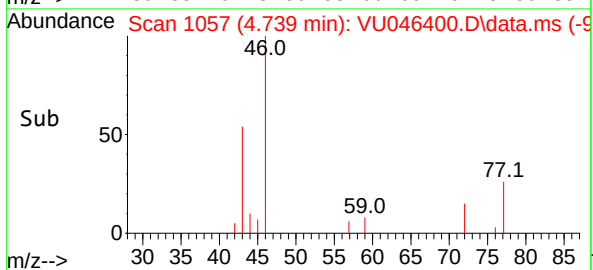
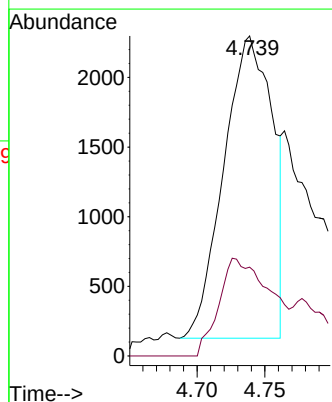
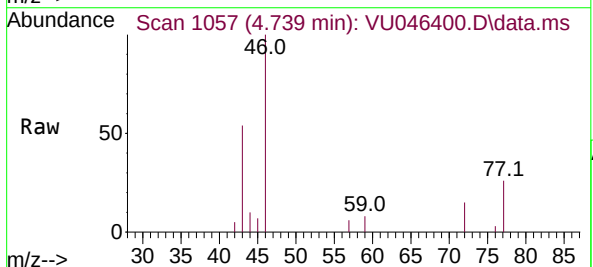


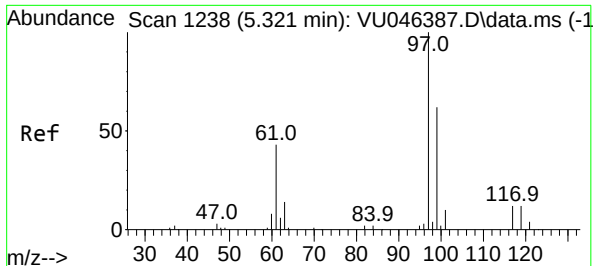
Tgt Ion: 96	Resp: 852		
Ion Ratio	Lower	Upper	
96	100		
61	114.6	86.8	161.2
68	0.0	0.0	0.0



#22
 2-Butanone
 Concen: 3.717 ug/L
 RT: 4.739 min Scan# 1057
 Delta R.T. 0.016 min
 Lab File: VU046400.D
 Acq: 15 Dec 2021 16:42

Tgt Ion: 43	Resp: 5437
Ion Ratio	Lower Upper
43 100	
72 17.4	14.5 43.6





#30

1,1,1-Trichloroethane

Concen: 200.829 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.006 min

Lab File: VU046400.D

Acq: 15 Dec 2021 16:42

Instrument :

MSVOA_U

ClientSampleId :

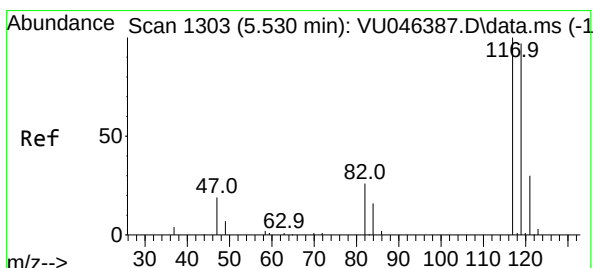
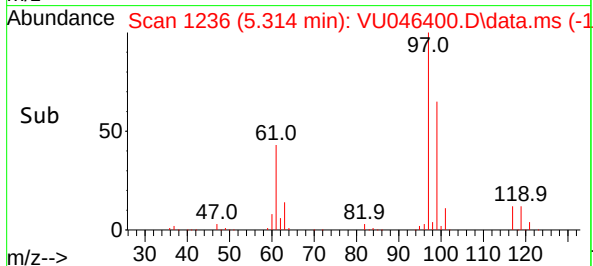
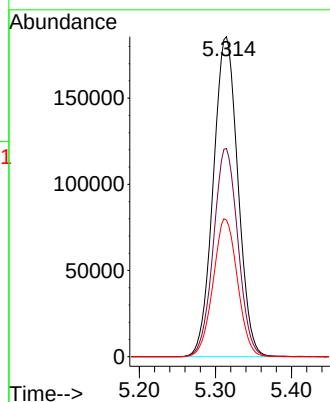
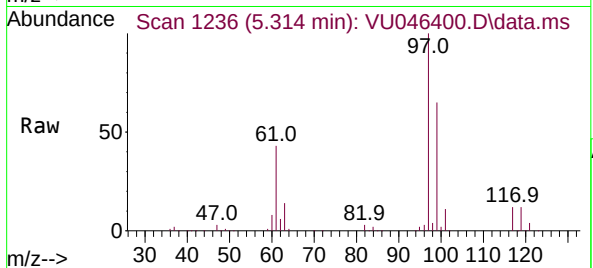
Tgt Ion: 97 Resp: 418227

Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 42.6 34.4 51.6



#31

Carbon tetrachloride

Concen: 28.622 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.215 min

Lab File: VU046400.D

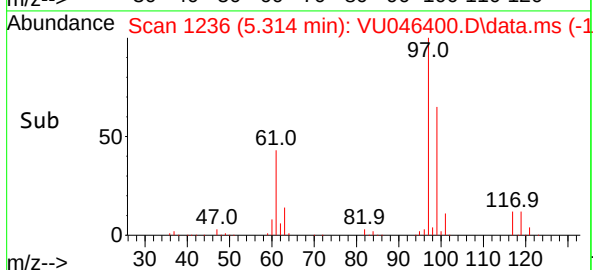
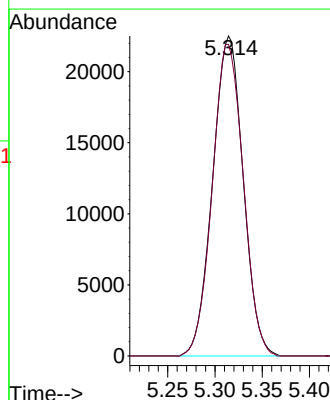
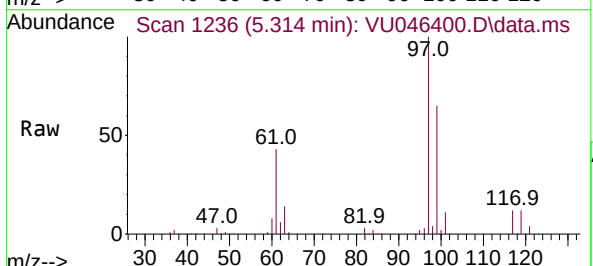
Acq: 15 Dec 2021 16:42

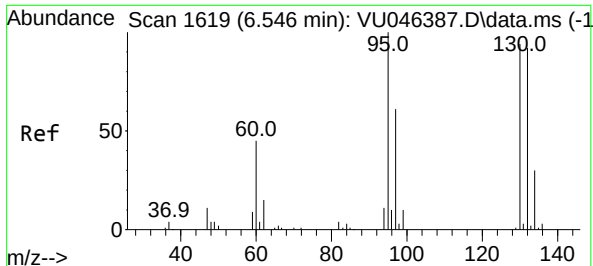
Tgt Ion: 117 Resp: 50602

Ion Ratio Lower Upper

117 100

119 98.6 75.7 113.5

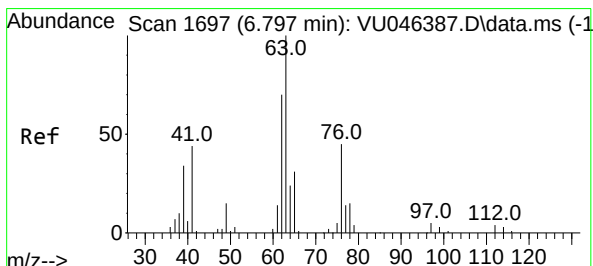
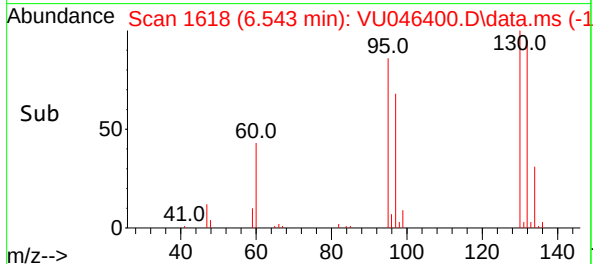
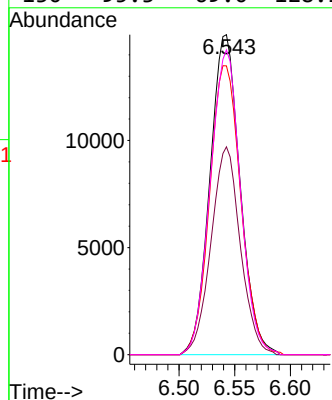
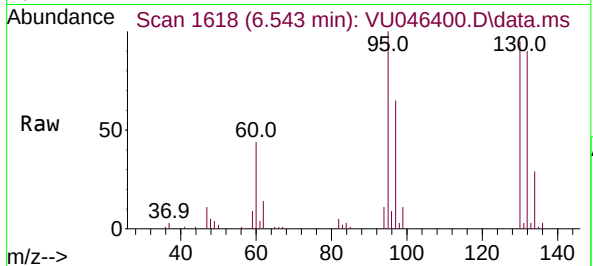




#34
Trichloroethene
Concen: 20.818 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046400.D
Acq: 15 Dec 2021 16:42

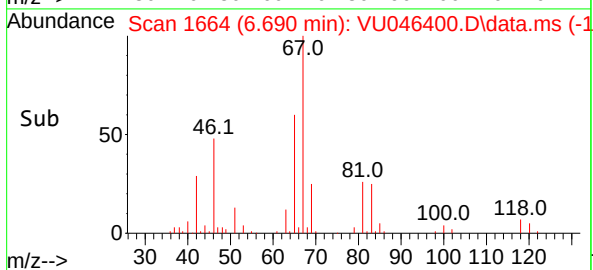
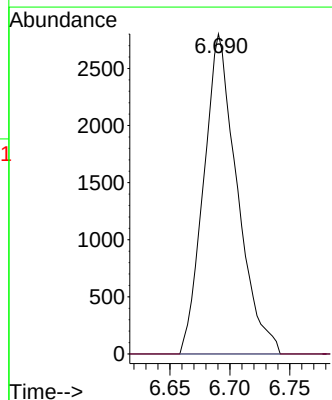
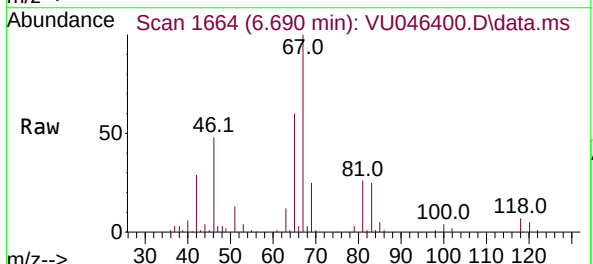
Instrument :
MSVOA_U
ClientSampleId :

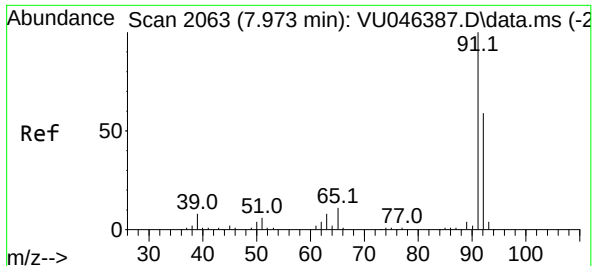
Tgt Ion: 95 Resp: 28161
Ion Ratio Lower Upper
95 100
97 64.9 44.1 81.9
132 90.3 66.8 124.0
130 95.3 69.0 128.1



#37
1,2-Dichloropropane
Concen: 4.036 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.106 min
Lab File: VU046400.D
Acq: 15 Dec 2021 16:42

Tgt Ion: 63 Resp: 5429
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#

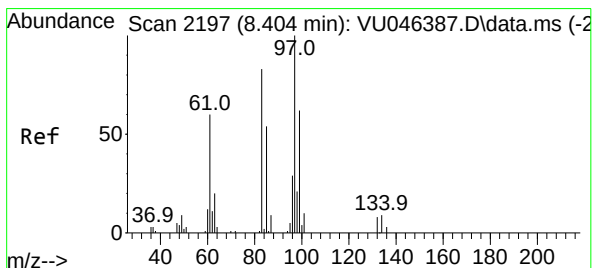
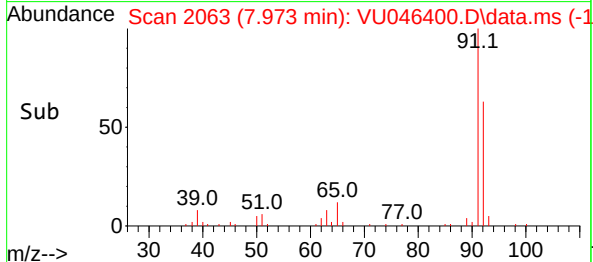
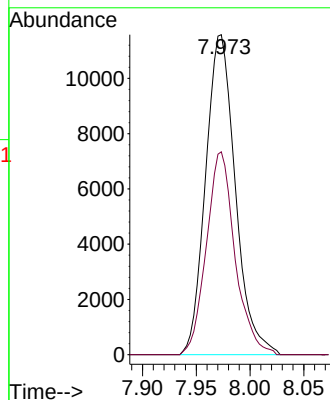
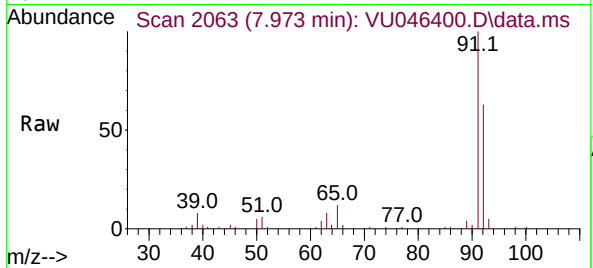




#42
Toluene
Concen: 4.045 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046400.D
Acq: 15 Dec 2021 16:42

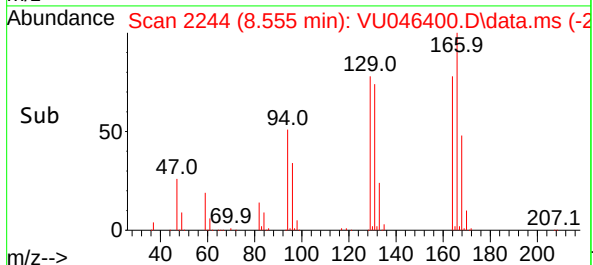
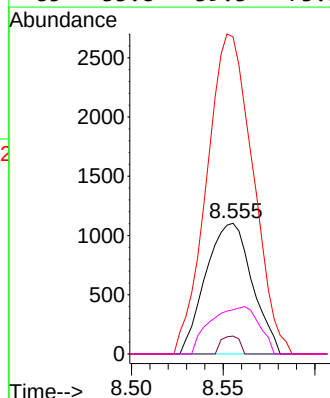
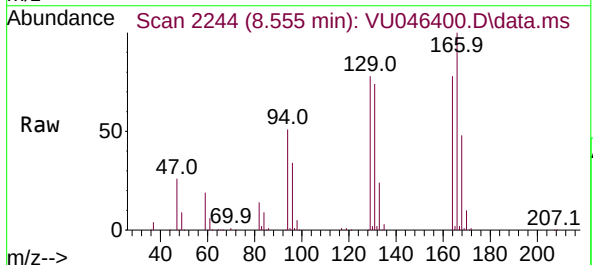
Instrument :
MSVOA_U
ClientSampleId :

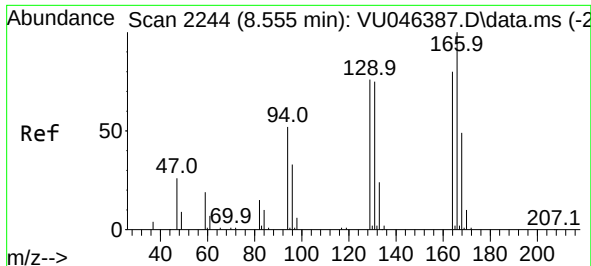
Tgt Ion: 91 Resp: 22285
Ion Ratio Lower Upper
91 100
92 63.4 41.9 77.7



#45
1,1,2-Trichloroethane
Concen: 1.437 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.151 min
Lab File: VU046400.D
Acq: 15 Dec 2021 16:42

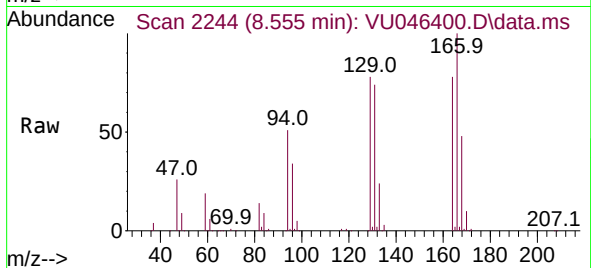
Tgt Ion: 97 Resp: 1939
Ion Ratio Lower Upper
97 100
99 13.8 44.7 82.9#
83 242.5 60.2 111.8#
85 33.8 39.3 73.1#



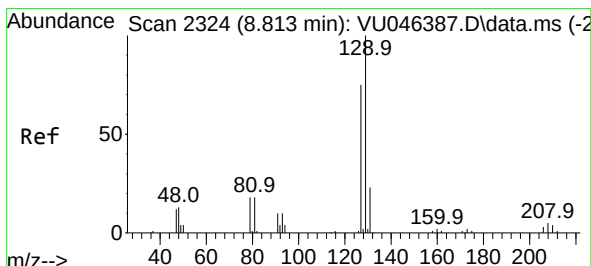
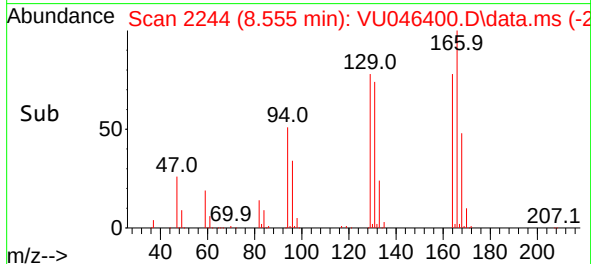
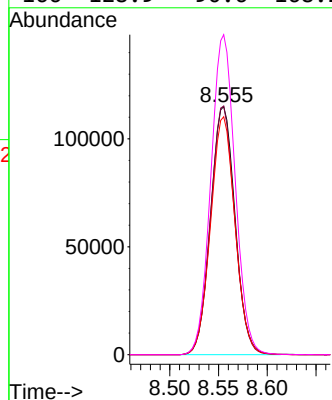


#46
Tetrachloroethene
Concen: 202.097 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046400.D
Acq: 15 Dec 2021 16:42

Instrument :
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ClientSampleId :

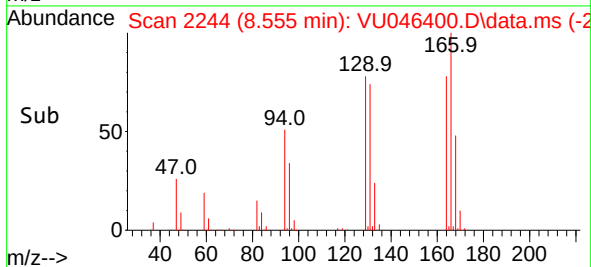
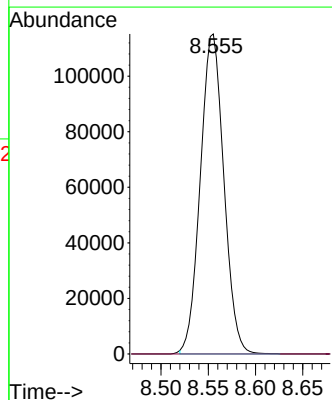
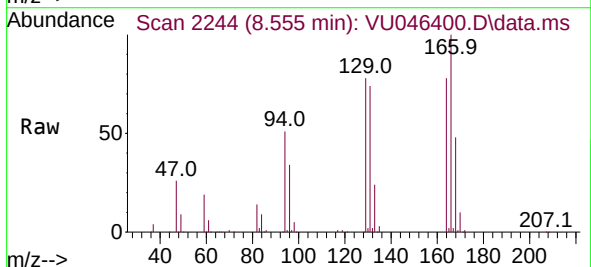


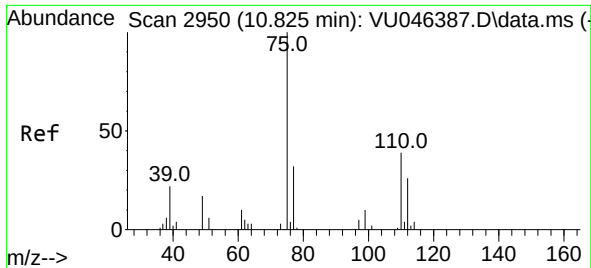
Tgt Ion:164 Resp: 200900
Ion Ratio Lower Upper
164 100
129 100.2 71.1 132.1
131 95.8 67.8 126.0
166 128.9 90.6 168.2



#49
Dibromochloromethane
Concen: 140.608 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046400.D
Acq: 15 Dec 2021 16:42

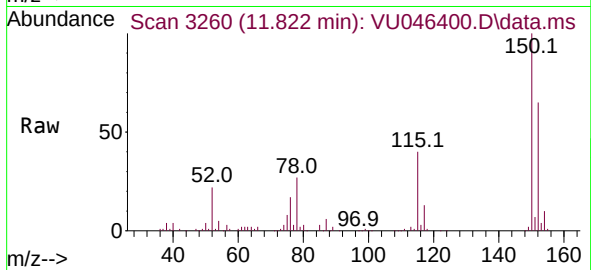
Tgt Ion:129 Resp: 199254
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.596 ug/L
 RT: 11.822 min Scan# 31
 Delta R.T. 0.997 min
 Lab File: VU046400.D
 Acq: 15 Dec 2021 16:42

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 10006
 Ion Ratio Lower Upper
 75 100
 77 33.9 26.4 39.6
 110 2.0 32.4 48.6#

