

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048149.D
 Acq On : 20 Apr 2022 17:41
 Operator : SY/MD
 Sample : N2485-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J21

Quant Time: Apr 21 02:43:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 21 02:37:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	362272	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	390355	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.832	152	275772	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	108842	41.431	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.860%
7) Chloroethane-d5	1.916	69	92966	44.880	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.760%
11) 1,1-Dichloroethene-d2	2.568	63	145825	30.339	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.680%
21) 2-Butanone-d5	4.626	46	191530	84.941	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.940%
24) Chloroform-d	5.067	84	226087	47.034	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.060%
26) 1,2-Dichloroethane-d4	5.703	65	129122	43.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.600%
32) Benzene-d6	5.732	84	420412	42.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.694	67	135563	44.940	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.880%
41) Toluene-d8	7.899	98	361808	37.807	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.620%#
43) trans-1,3-Dichloroprop...	8.179	79	57952	37.921	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.840%
47) 2-Hexanone-d5	8.636	63	137569	77.903	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.900%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	225847	43.626	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.260%
66) 1,2-Dichlorobenzene-d4	12.221	152	221913	45.231	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.460%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1407	0.527	ug/L #	18
12) 1,1-Dichloroethene	2.568	96	1451	0.584	ug/L #	1
13) Acetone	2.639	43	10031	4.780	ug/L	93
25) Chloroform	5.089	83	454354	91.293	ug/L	97
27) 1,2-Dichloroethane	5.781	62	187250	48.698	ug/L #	75
29) Cyclohexane	5.391	56	9948	2.511	ug/L	98
31) Carbon tetrachloride	5.527	117	168498	42.157	ug/L	99
35) Methylcyclohexane	6.768	83	7533	1.672	ug/L #	86
37) 1,2-Dichloropropane	6.690	63	13628	4.745	ug/L #	87
38) Bromodichloromethane	7.108	83	2181	0.553	ug/L #	94
39) cis-1,3-Dichloropropene	7.565	75	3176	0.713	ug/L #	42
42) Toluene	7.970	91	18025	1.454	ug/L	98
46) Tetrachloroethene	8.555	164	3441	1.293	ug/L	93
60) 1,2,3-Trichloropropane	10.780	75	10405	2.001	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	12.970	75	83745	50.289	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.221	180	17450	2.594	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	11150320	1887.478	ug/L	98

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QLast Update : Thu Apr 21 02:37:57 2022
Response via : Initial Calibration

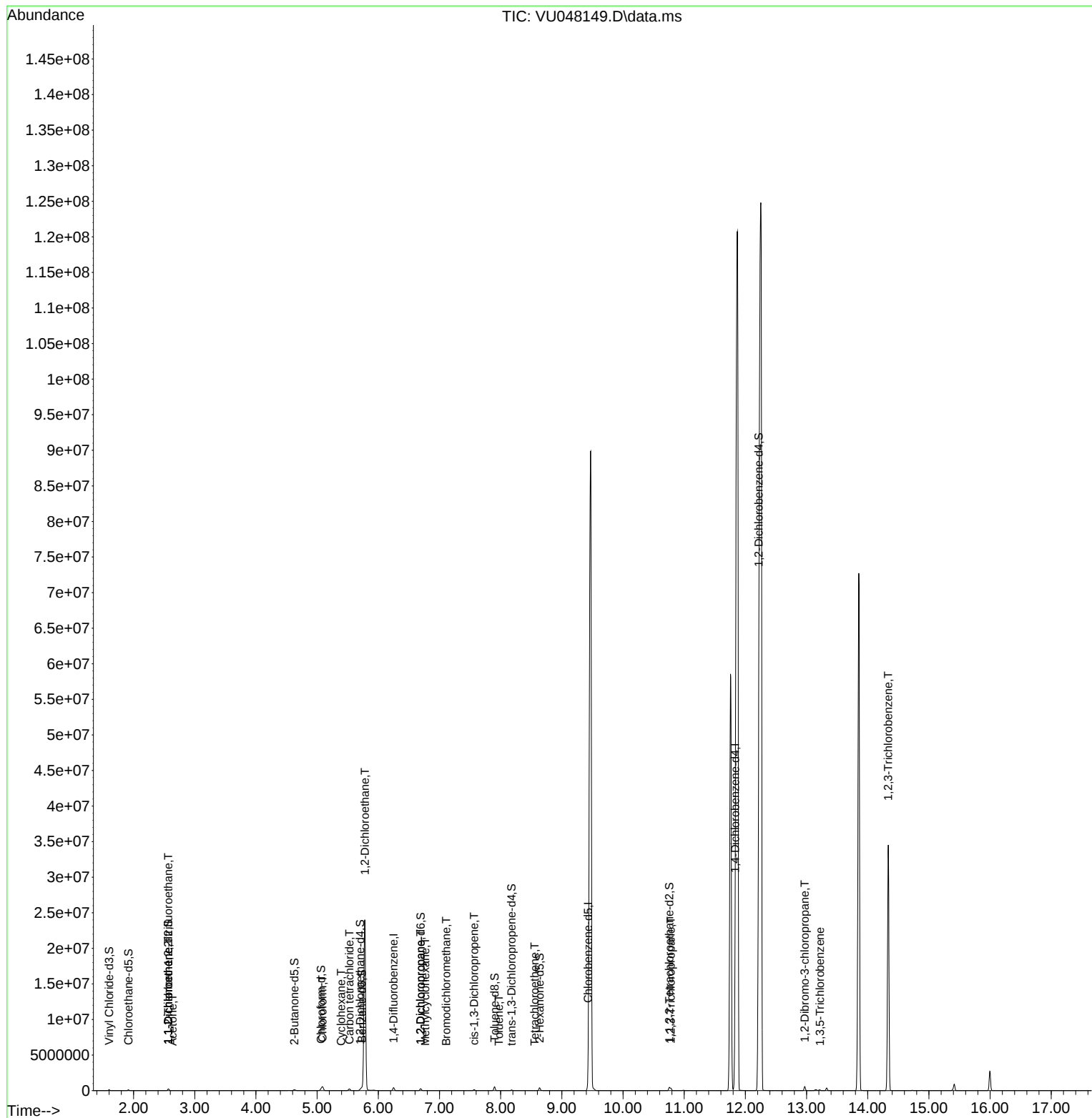
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

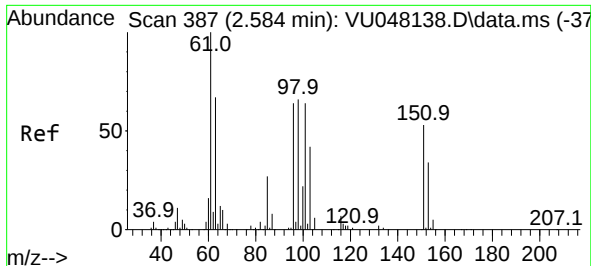
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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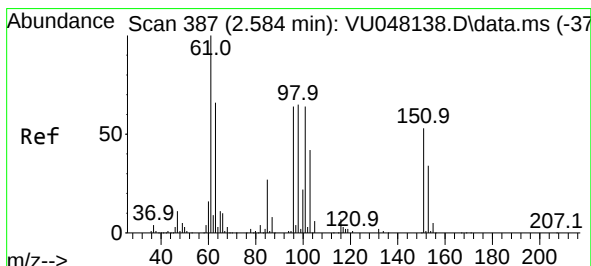
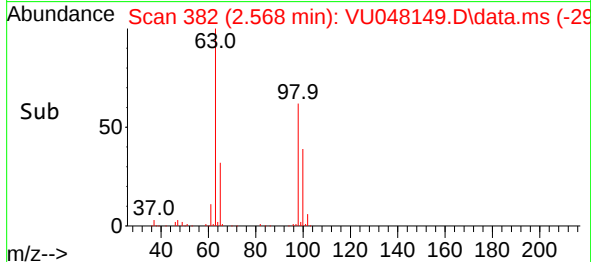
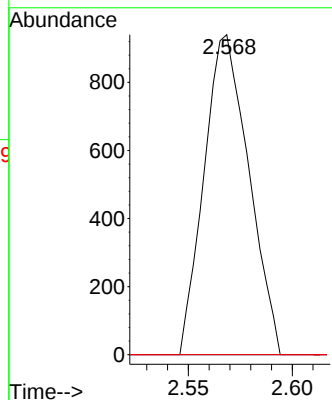
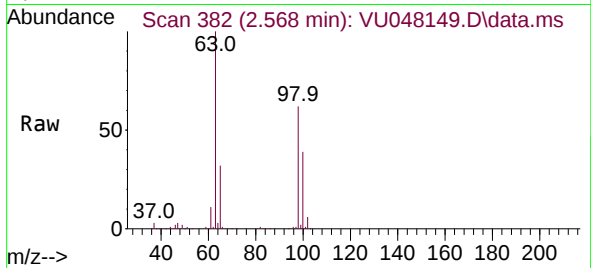




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.527 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.016 min
 Lab File: VU048149.D
 Acq: 20 Apr 2022 17:41

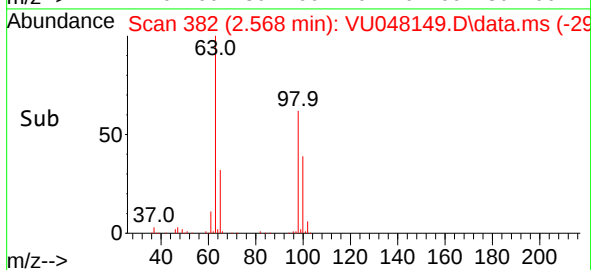
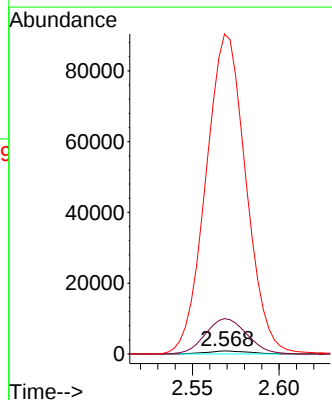
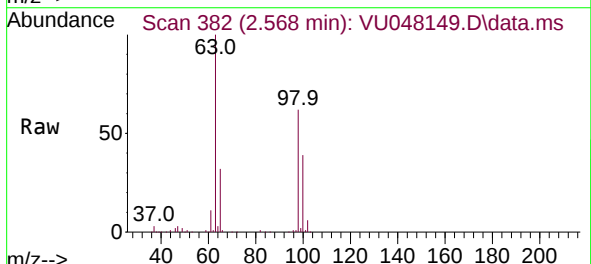
Instrument :
 MSVOA_U
 ClientSampleId :
 C0J21

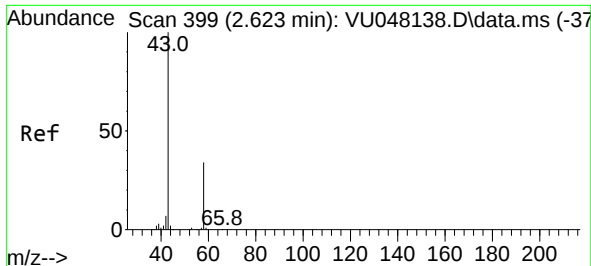
Tgt Ion:101 Resp: 1407
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.584 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.016 min
 Lab File: VU048149.D
 Acq: 20 Apr 2022 17:41

Tgt Ion: 96 Resp: 1451
 Ion Ratio Lower Upper
 96 100
 61 1162.6 113.1 210.1#
 63 10515.3 94.8 176.0#





#13

Acetone

Concen: 4.780 ug/L

RT: 2.639 min Scan# 404

Delta R.T. 0.016 min

Lab File: VU048149.D

Acq: 20 Apr 2022 17:41

Instrument :

MSVOA_U

ClientSampleId :

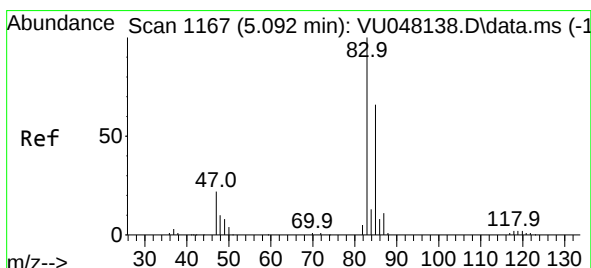
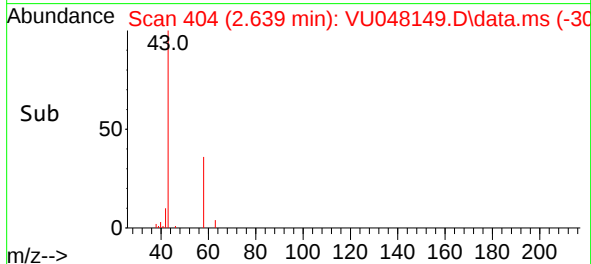
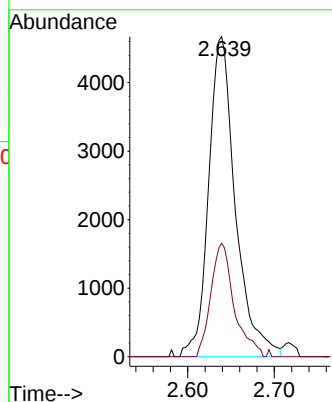
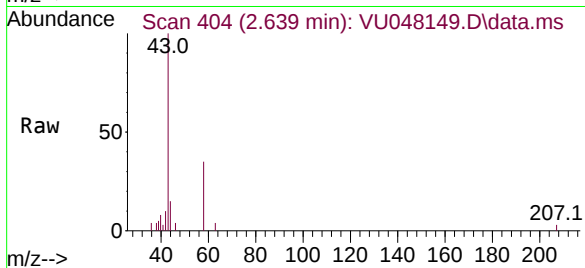
C0J21

Tgt Ion: 43 Resp: 10031

Ion Ratio Lower Upper

43 100

58 30.8 0.0 70.0



#25

Chloroform

Concen: 91.293 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU048149.D

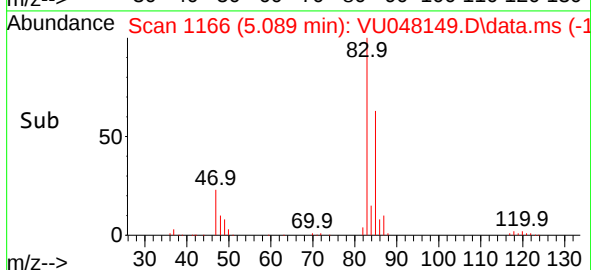
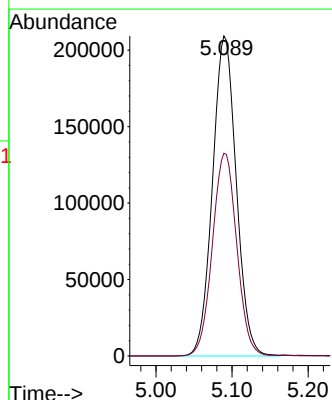
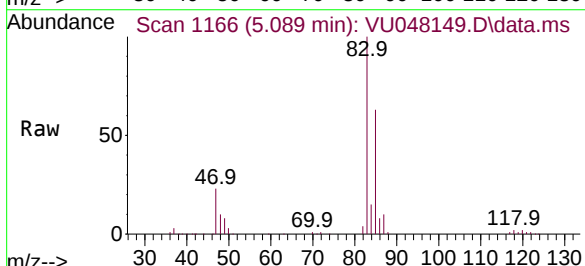
Acq: 20 Apr 2022 17:41

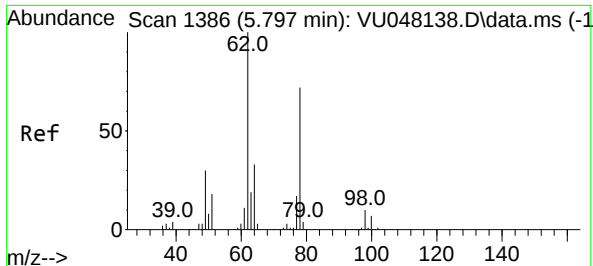
Tgt Ion: 83 Resp: 454354

Ion Ratio Lower Upper

83 100

85 63.4 46.2 85.8





#27

1,2-Dichloroethane

Concen: 48.698 ug/L

RT: 5.781 min Scan# 11

Delta R.T. -0.016 min

Lab File: VU048149.D

Acq: 20 Apr 2022 17:41

Instrument :

MSVOA_U

ClientSampleId :

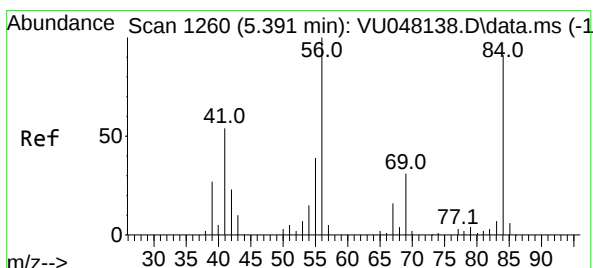
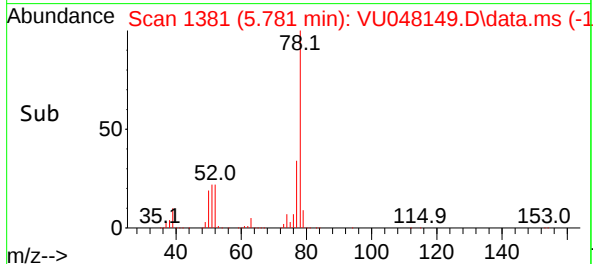
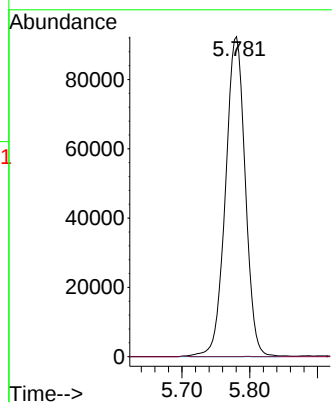
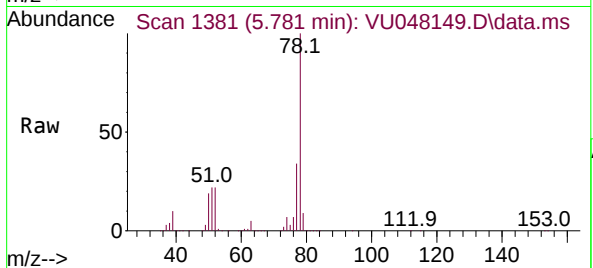
C0J21

Tgt Ion: 62 Resp: 187250

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#29

Cyclohexane

Concen: 2.511 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU048149.D

Acq: 20 Apr 2022 17:41

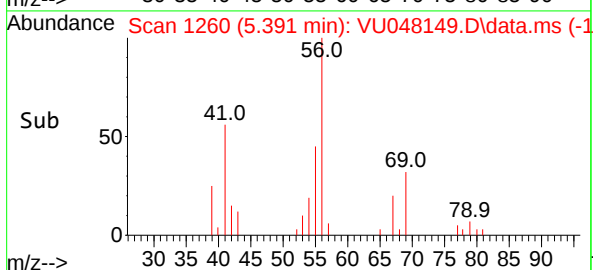
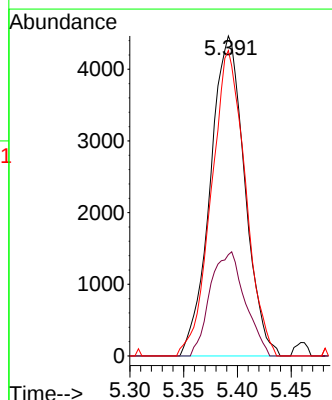
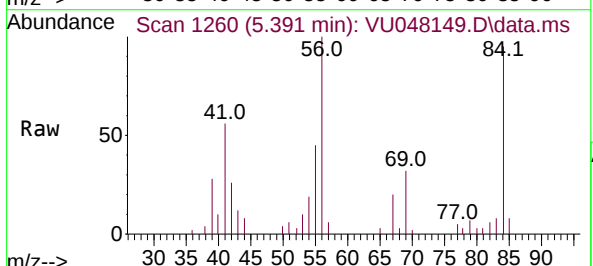
Tgt Ion: 56 Resp: 9948

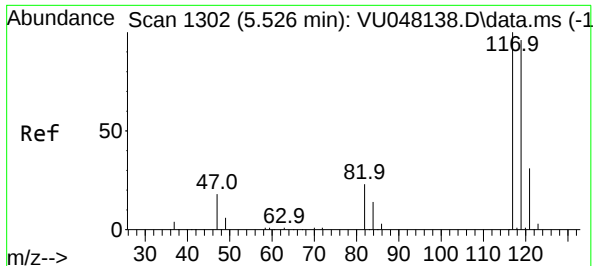
Ion Ratio Lower Upper

56 100

69 32.9 25.4 38.2

84 94.3 77.0 115.6

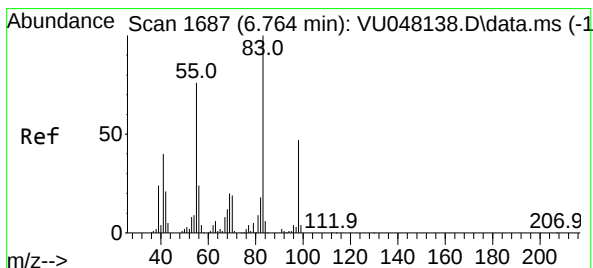
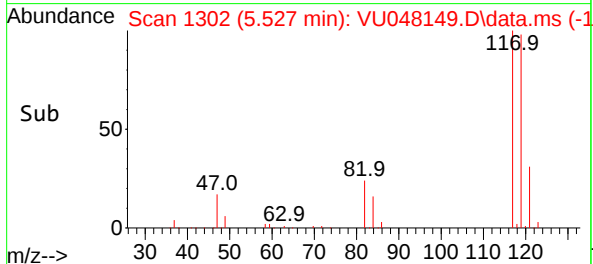
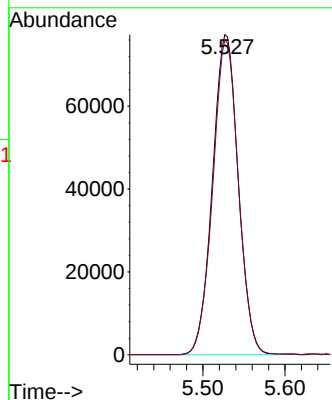
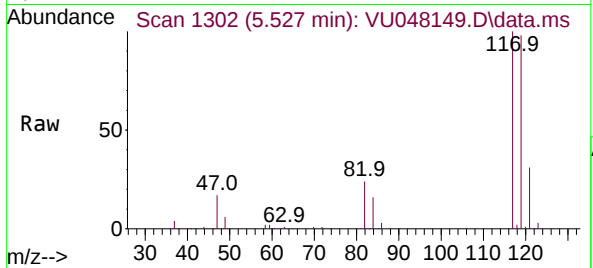




#31
Carbon tetrachloride
Concen: 42.157 ug/L
RT: 5.527 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

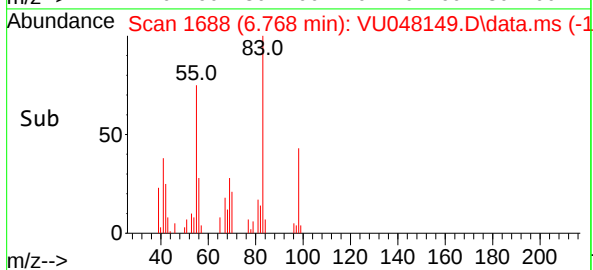
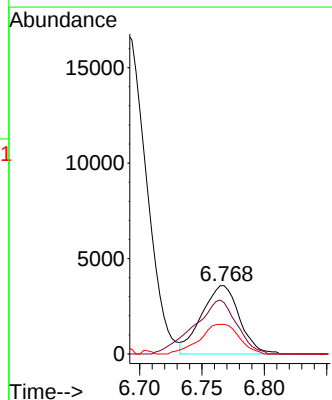
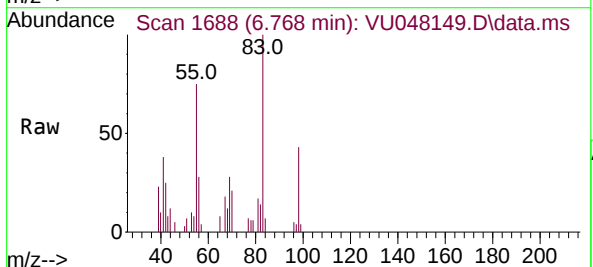
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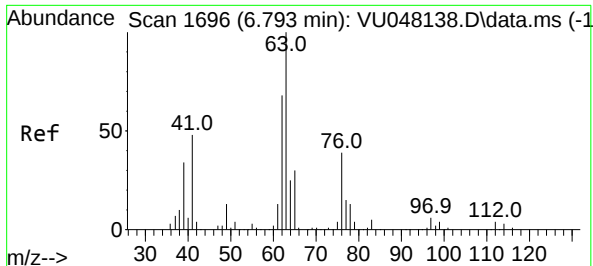
Tgt Ion:117 Resp: 168498
Ion Ratio Lower Upper
117 100
119 97.5 77.2 115.8



#35
Methylcyclohexane
Concen: 1.672 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

Tgt Ion: 83 Resp: 7533
Ion Ratio Lower Upper
83 100
55 88.6 56.8 85.2#
98 45.0 38.1 57.1





#37

1,2-Dichloropropane

Concen: 4.745 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU048149.D

Acq: 20 Apr 2022 17:41

Instrument :

MSVOA_U

ClientSampleId :

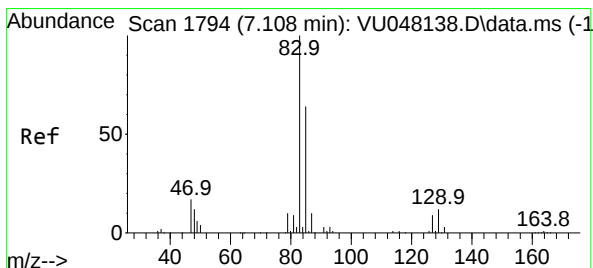
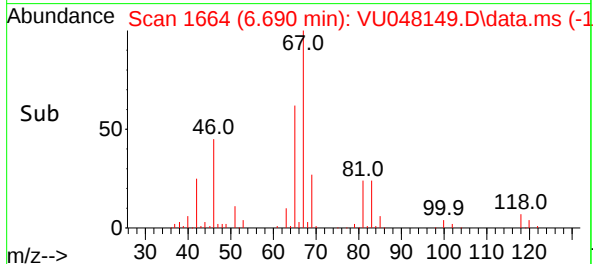
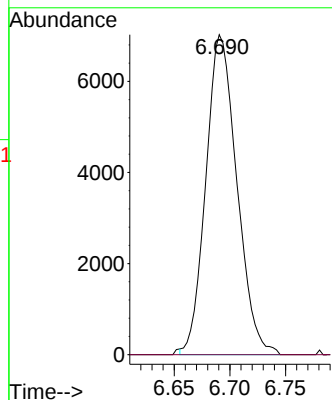
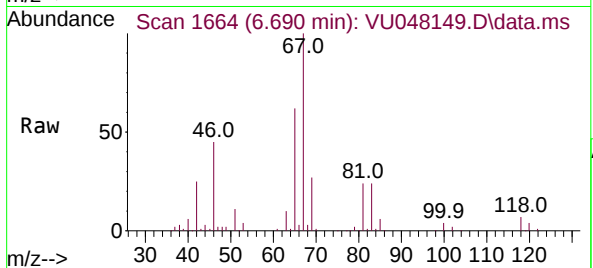
C0J21

Tgt Ion: 63 Resp: 13628

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#38

Bromodichloromethane

Concen: 0.553 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU048149.D

Acq: 20 Apr 2022 17:41

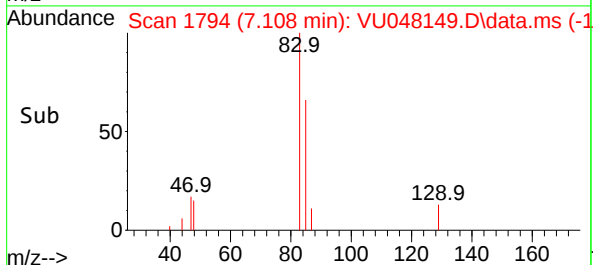
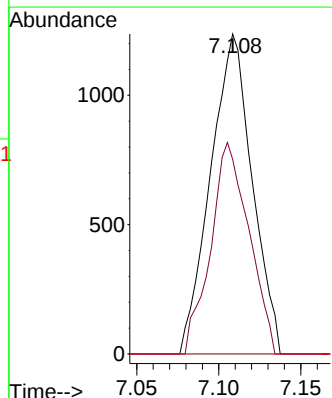
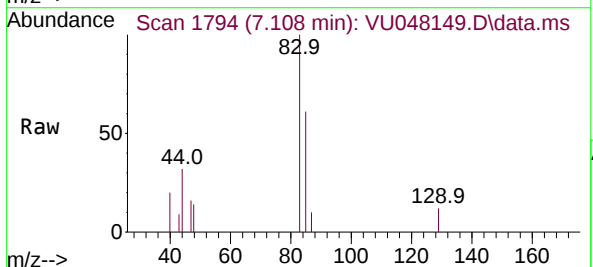
Tgt Ion: 83 Resp: 2181

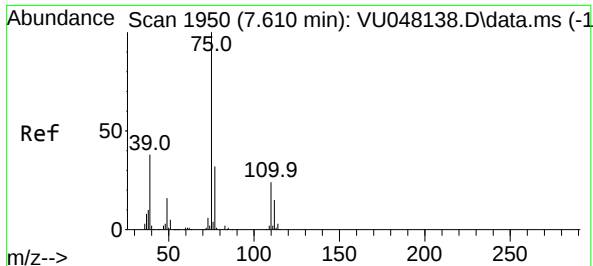
Ion Ratio Lower Upper

83 100

85 60.8 44.4 82.4

127 0.0 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.713 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU048149.D

Acq: 20 Apr 2022 17:41

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ClientSampleId :

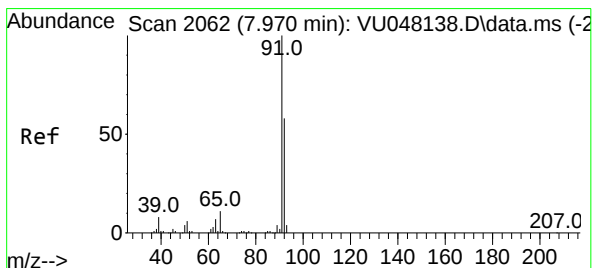
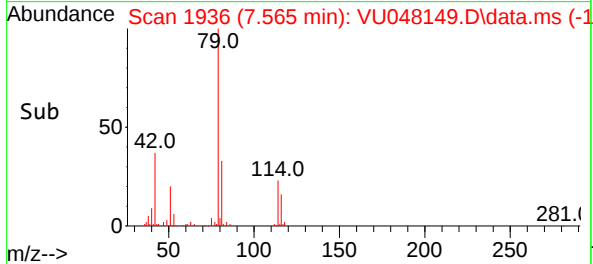
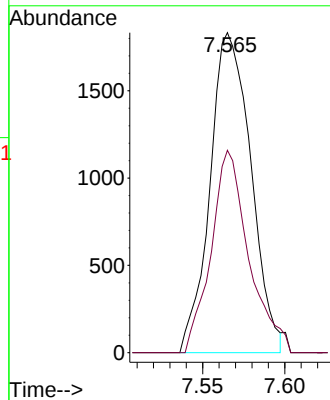
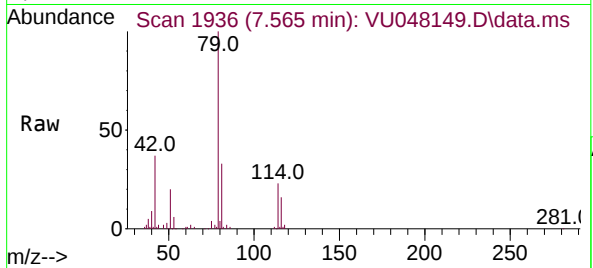
C0J21

Tgt Ion: 75 Resp: 3176

Ion Ratio Lower Upper

75 100

77 63.2 21.8 40.6#



#42

Toluene

Concen: 1.454 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048149.D

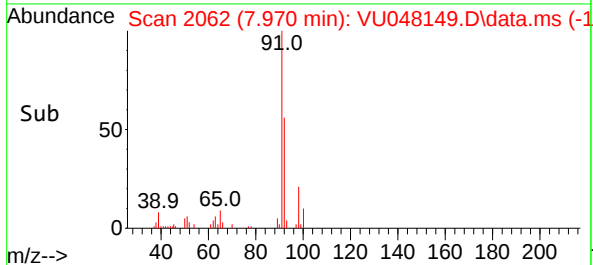
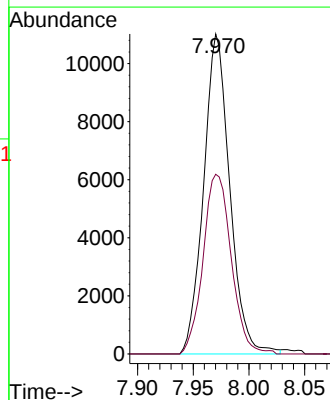
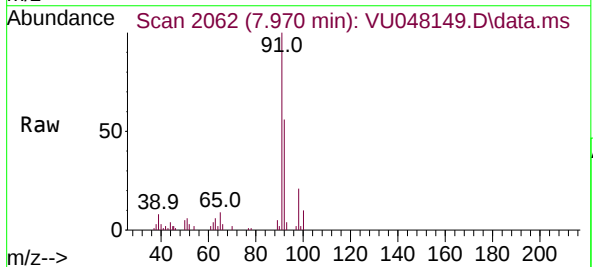
Acq: 20 Apr 2022 17:41

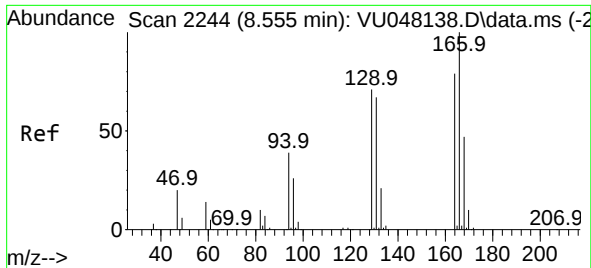
Tgt Ion: 91 Resp: 18025

Ion Ratio Lower Upper

91 100

92 56.2 40.4 75.0



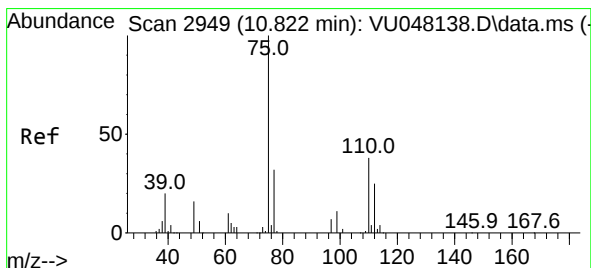
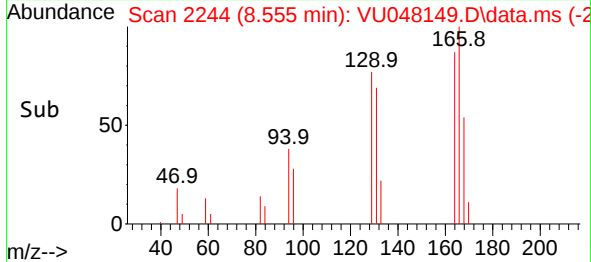
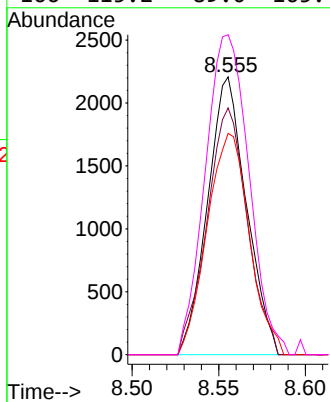
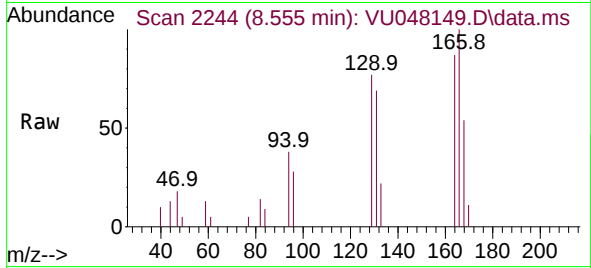


#46
Tetrachloroethene
Concen: 1.293 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

Instrument :
MSVOA_U
ClientSampleId :
C0J21

Tgt Ion:164 Resp: 3441

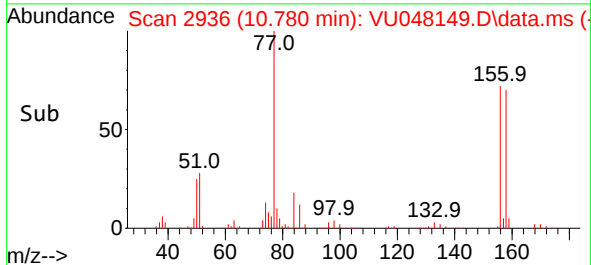
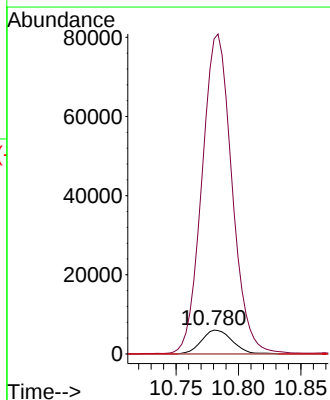
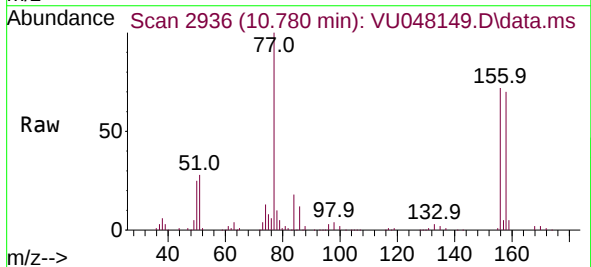
Ion	Ratio	Lower	Upper
164	100		
129	88.9	62.4	116.0
131	79.7	60.7	112.7
166	115.2	89.0	165.4

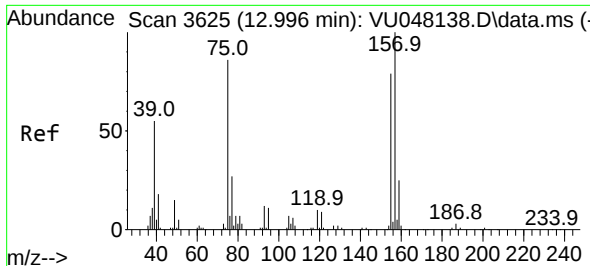


#60
1,2,3-Trichloropropane
Concen: 2.001 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.042 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

Tgt Ion: 75 Resp: 10405

Ion	Ratio	Lower	Upper
75	100		
77	1299.1	26.0	39.0#
110	0.0	31.4	47.2#

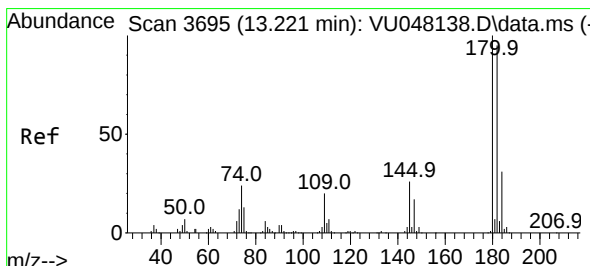
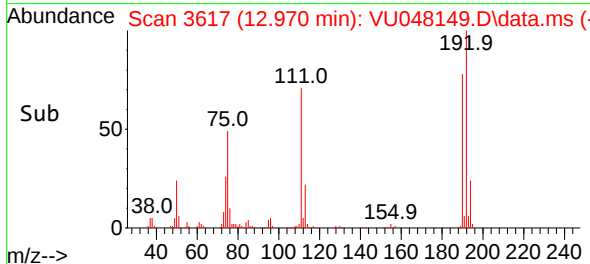
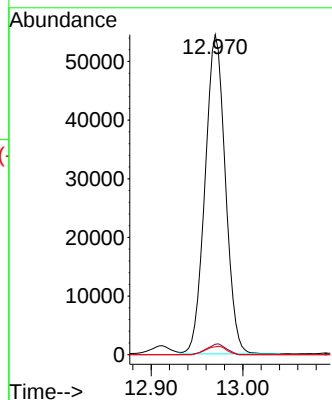
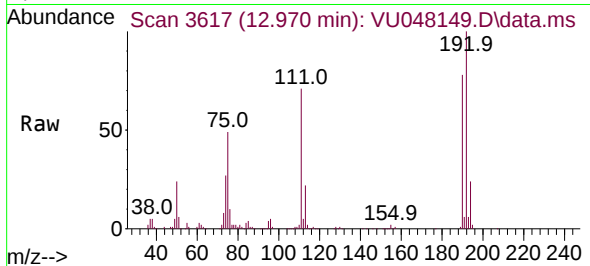




#68
1,2-Dibromo-3-chloropropane
Concen: 50.289 ug/L
RT: 12.970 min Scan# 3617
Delta R.T. -0.026 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

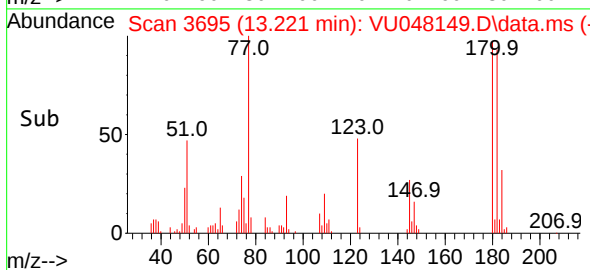
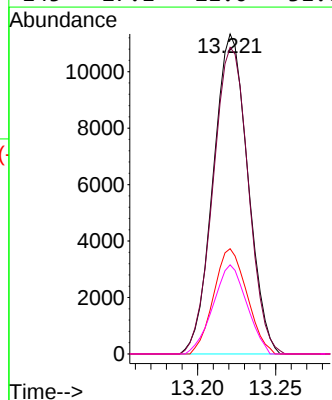
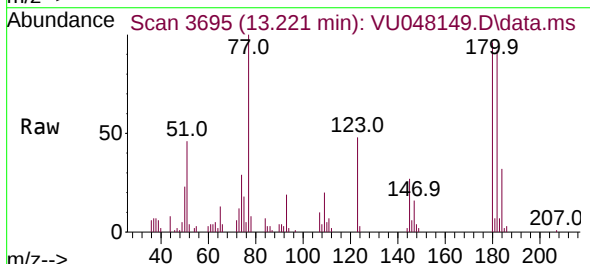
Instrument :
MSVOA_U
ClientSampleId :
C0J21

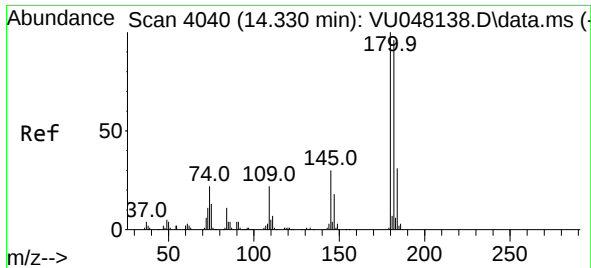
Tgt Ion: 75 Resp: 83745
Ion Ratio Lower Upper
75 100
155 3.7 78.9 118.3#
157 2.5 97.5 146.3#



#69
1,3,5-Trichlorobenzene
Concen: 2.594 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

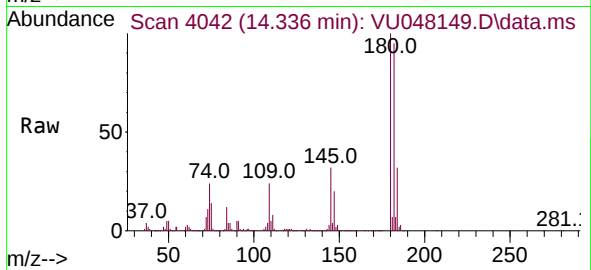
Tgt Ion:180 Resp: 17450
Ion Ratio Lower Upper
180 100
182 97.5 77.0 115.6
184 31.7 24.5 36.7
145 27.1 21.0 31.6





#72
 1,2,3-Trichlorobenzene
 Concen: 1887.478 ug/L
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.006 min
 Lab File: VU048149.D
 Acq: 20 Apr 2022 17:41

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J21



Tgt Ion:180 Resp:11150320

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.0
145	30.9	22.8	34.2

