

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072822\
 Data File : VU050017.D
 Acq On : 29 Jul 2022 04:40
 Operator : SY/MD
 Sample : N3890-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YBEA3

Quant Time: Jul 29 06:42:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 29 05:04:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	76026	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	74878	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	28955	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	29455	4.512	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	90.200%	
7) Chloroethane-d5	1.912	69	24917	5.314	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	106.200%	
11) 1,1-Dichloroethene-d2	2.565	65	11080	4.925	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	98.600%	
20) 2-Butanone-d5	4.633	46	87699	60.354	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	120.700%	
24) Chloroform-d	5.067	84	57140	5.290	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	105.800%	
26) 1,2-Dichloroethane-d4	5.703	65	30710	5.642	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	112.800%	
32) Benzene-d6	5.729	84	112159	5.069	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.400%	
36) 1,2-Dichloropropane-d6	6.690	67	39183	5.406	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	108.200%	
41) Toluene-d8	7.899	98	90586	4.606	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.200%	
43) trans-1,3-Dichloroprop...	8.179	79	11747	4.624	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	92.400%	
46) 2-Hexanone-d5	8.636	63	49645	52.201	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	104.400%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34726	5.702	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	114.000%	
66) 1,2-Dichlorobenzene-d4	12.195	152	30350	5.651	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	113.000%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	2790	0.401	ug/L	99
9) Trichlorofluoromethane	2.134	101	2779	0.361	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	350	0.077	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	20954	4.994	ug/L	98
19) 1,1-Dichloroethane	3.870	63	2492	0.263	ug/L	92
22) cis-1,2-Dichloroethene	4.665	96	3626	0.658	ug/L	93
25) Chloroform	5.089	83	7586	0.715	ug/L	96
27) 1,2-Dichloroethane	5.800	62	1461	0.247	ug/L #	73
34) Trichloroethene	6.542	95	485775	91.445	ug/L	97
35) Methylcyclohexane	6.690	83	8789	1.254	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	3917	0.650	ug/L #	88
38) Bromodichloromethane	7.105	83	633	0.087	ug/L #	90
45) 1,1,2-Trichloroethane	8.401	97	607	0.135	ug/L	87
47) Tetrachloroethene	8.552	164	72611	18.992	ug/L	94
48) 2-Hexanone	8.687	43	18334	6.911	ug/L #	85
49) Dibromochloromethane	8.552	129	69668	14.148	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	3323	0.988	ug/L #	64

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QLast Update : Fri Jul 29 05:04:48 2022
Response via : Initial Calibration

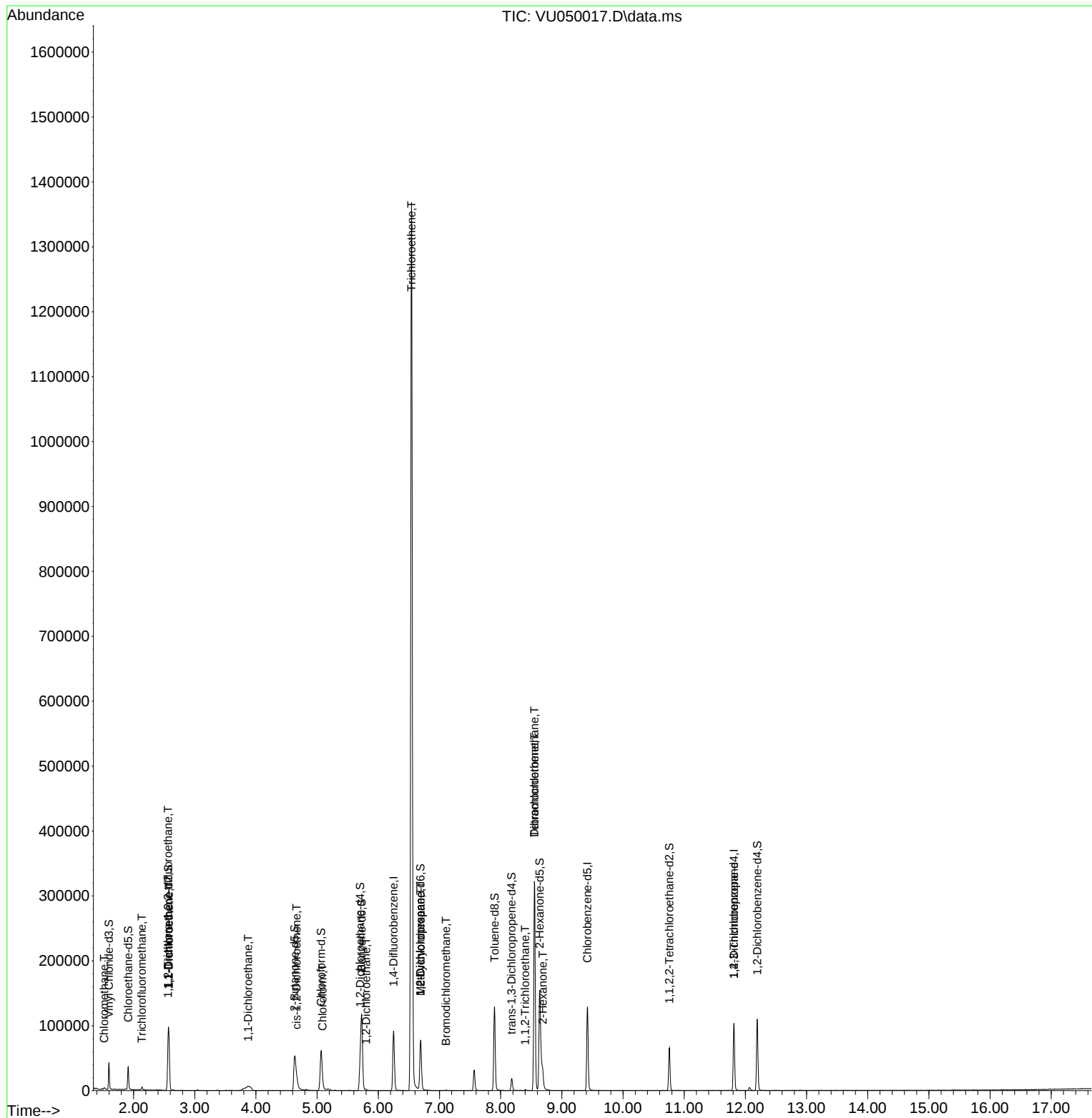
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

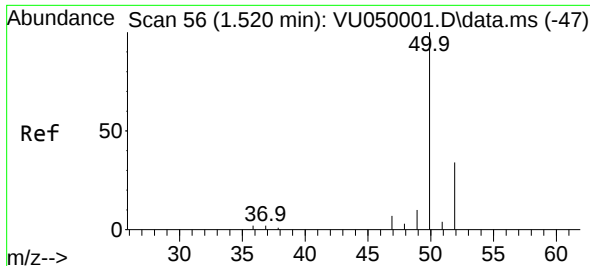
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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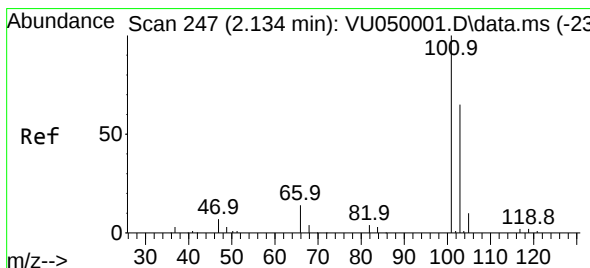
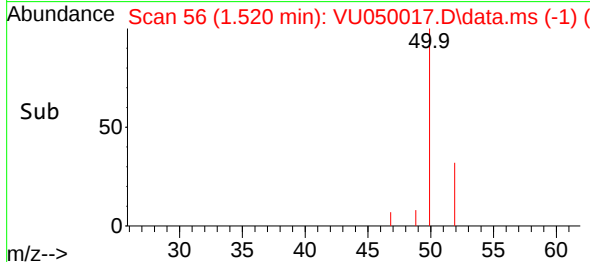
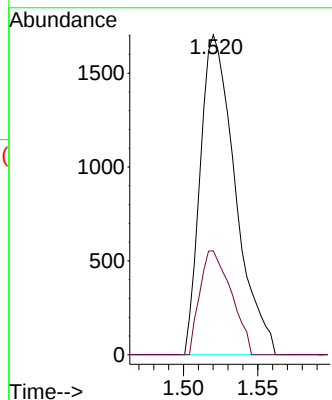
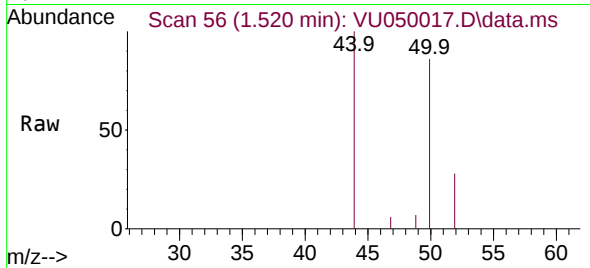




#3
Chloromethane
Concen: 0.401 ug/L
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

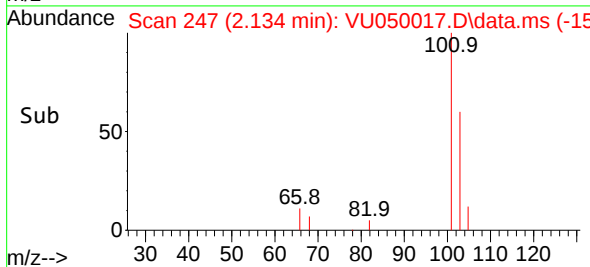
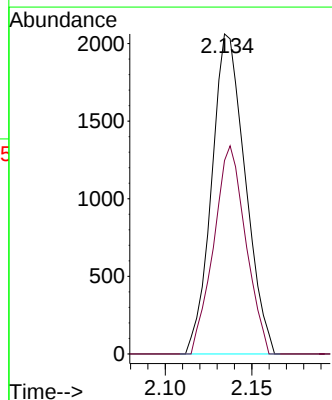
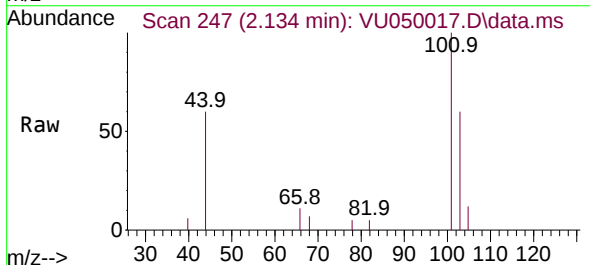
Instrument :
MSVOA_U
ClientSampleId :
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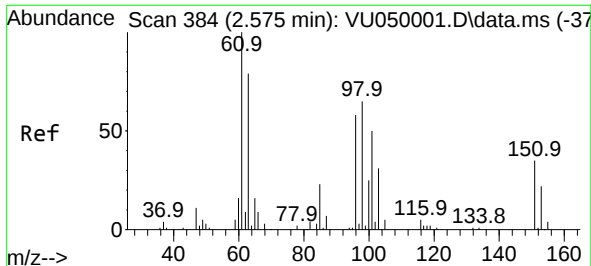
Tgt Ion: 50 Resp: 2790
Ion Ratio Lower Upper
50 100
52 32.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 0.361 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

Tgt Ion: 101 Resp: 2779
Ion Ratio Lower Upper
101 100
103 61.8 51.0 76.6

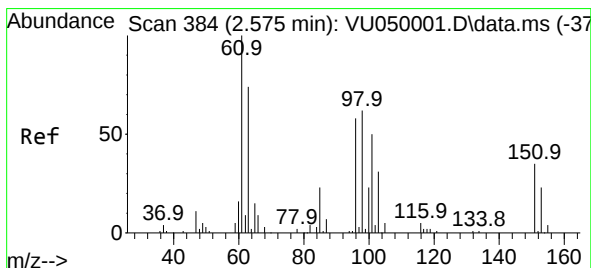
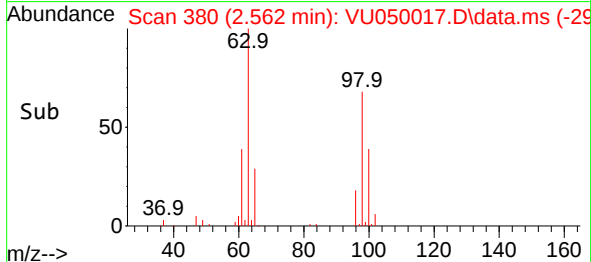
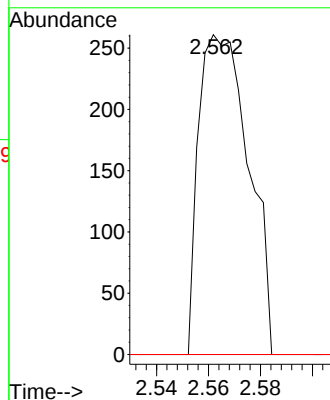
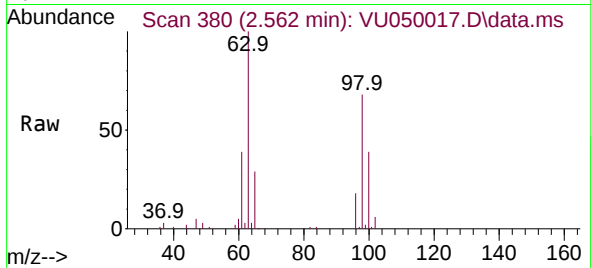




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.077 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.013 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

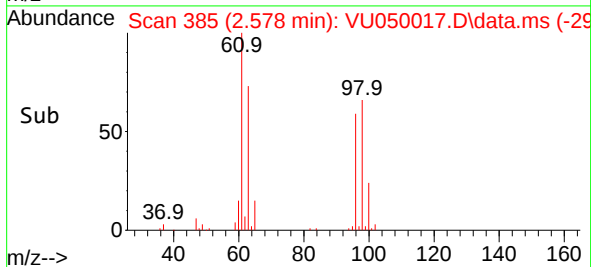
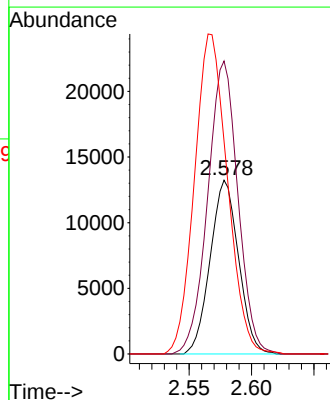
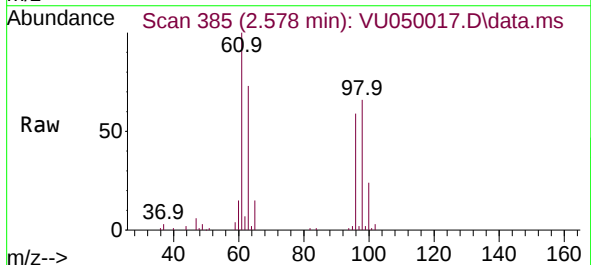
Instrument :
MSVOA_U
ClientSampleId :
YBEA3

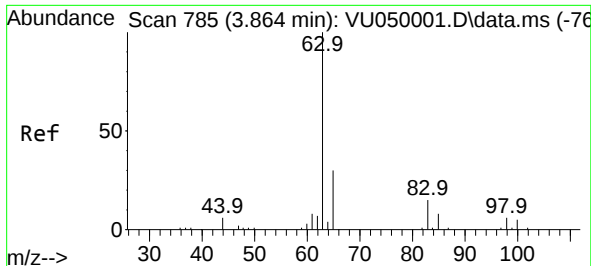
Tgt Ion:101 Resp: 350
Ion Ratio Lower Upper
101 100
85 0.0 34.1 51.1#
151 0.0 56.6 85.0#



#12
1,1-Dichloroethene
Concen: 4.994 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

Tgt Ion: 96 Resp: 20954
Ion Ratio Lower Upper
96 100
61 168.6 115.7 214.9
63 122.5 84.8 157.4





#19

1,1-Dichloroethane

Concen: 0.263 ug/L

RT: 3.870 min Scan# 785

Delta R.T. 0.007 min

Lab File: VU050017.D

Acq: 29 Jul 2022 04:40

Instrument :

MSVOA_U

ClientSampleId :

YBEA3

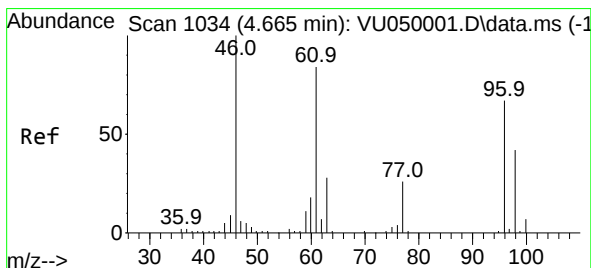
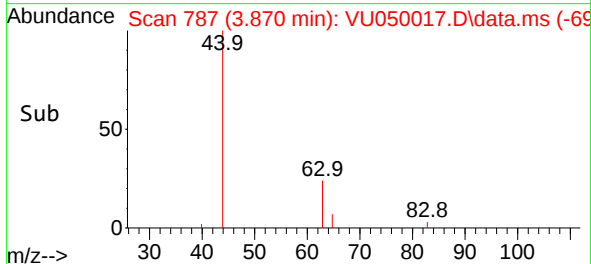
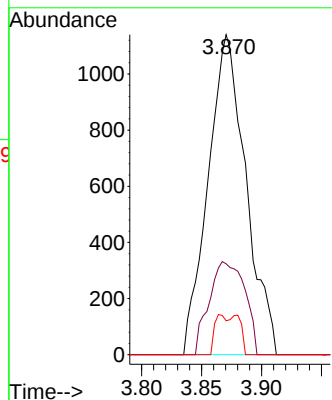
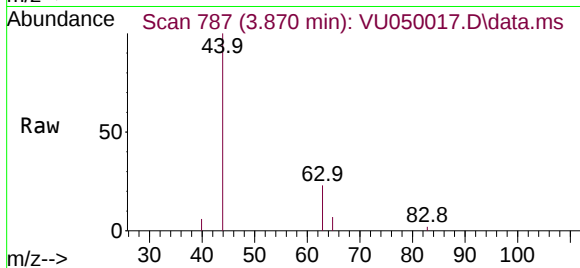
Tgt Ion: 63 Resp: 2492

Ion Ratio Lower Upper

63 100

65 28.4 23.4 43.6

83 10.6 9.4 17.4



#22

cis-1,2-Dichloroethene

Concen: 0.658 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050017.D

Acq: 29 Jul 2022 04:40

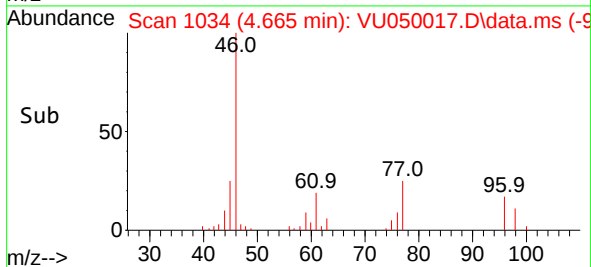
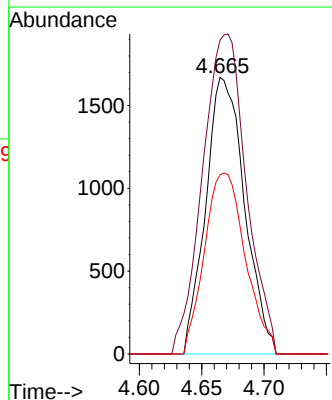
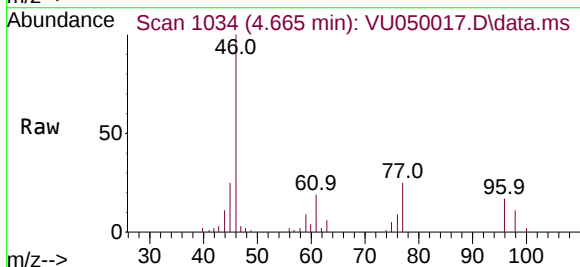
Tgt Ion: 96 Resp: 3626

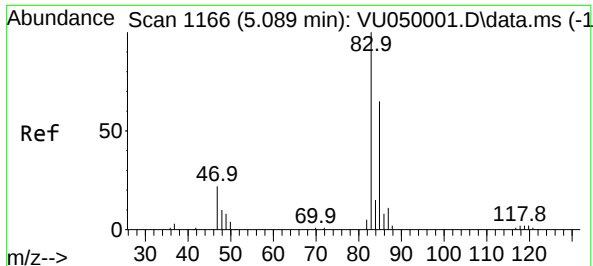
Ion Ratio Lower Upper

96 100

61 113.5 87.2 161.9

98 64.8 44.7 83.1





#25

Chloroform

Concen: 0.715 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU050017.D

Acq: 29 Jul 2022 04:40

Instrument :

MSVOA_U

ClientSampleId :

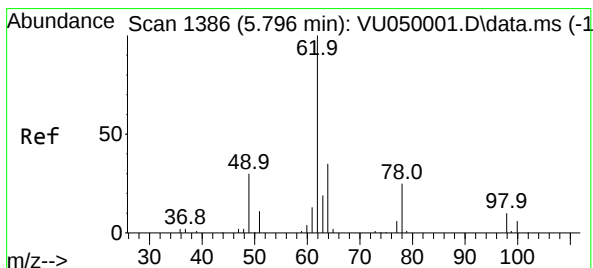
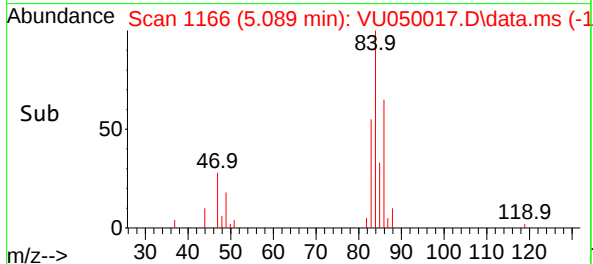
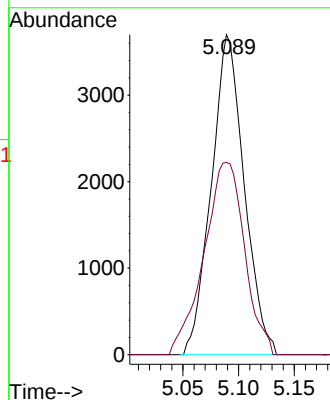
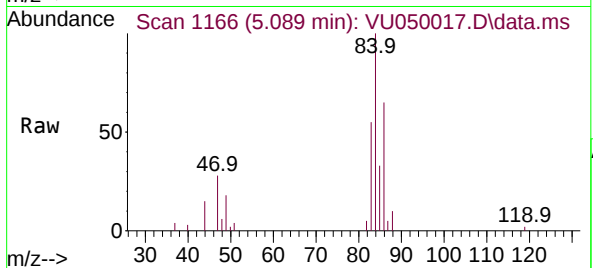
YBEA3

Tgt Ion: 83 Resp: 7586

Ion Ratio Lower Upper

83 100

85 60.1 44.4 82.4



#27

1,2-Dichloroethane

Concen: 0.247 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VU050017.D

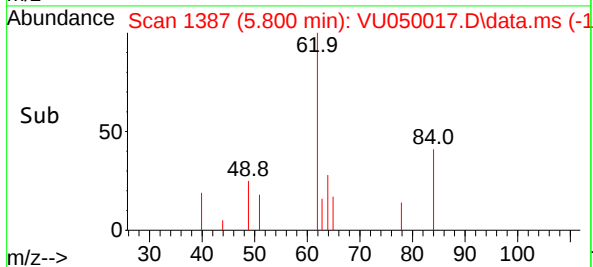
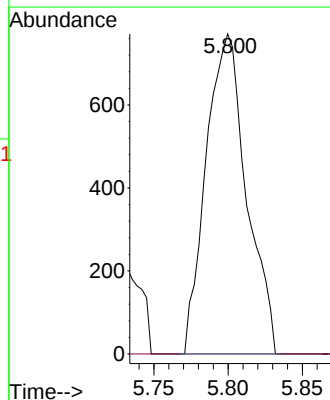
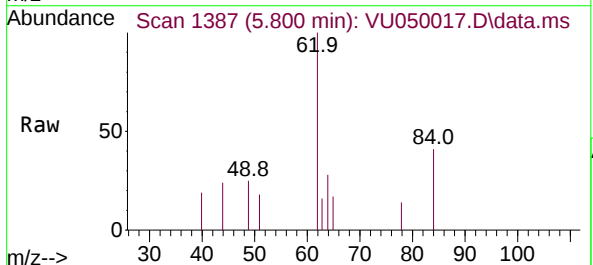
Acq: 29 Jul 2022 04:40

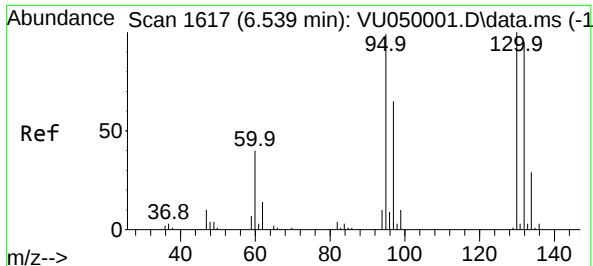
Tgt Ion: 62 Resp: 1461

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#

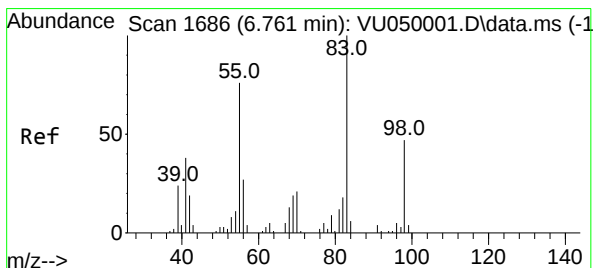
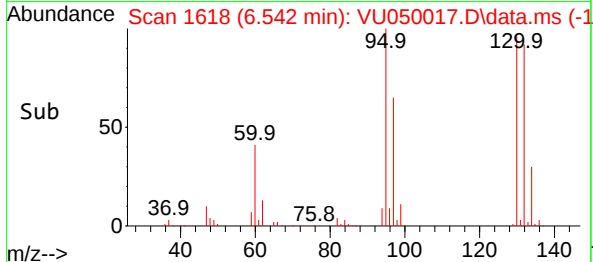
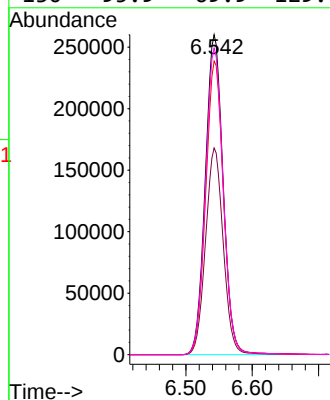
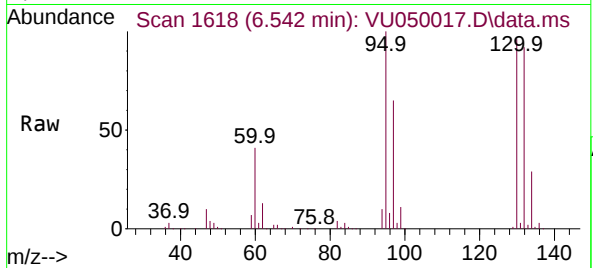




#34
Trichloroethene
Concen: 91.445 ug/L
RT: 6.542 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

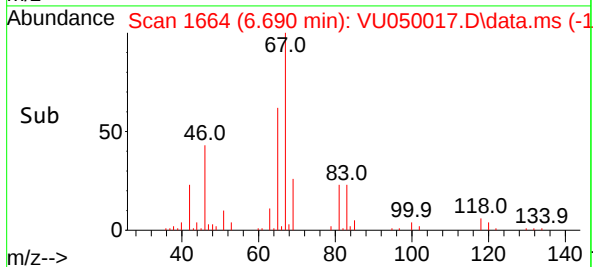
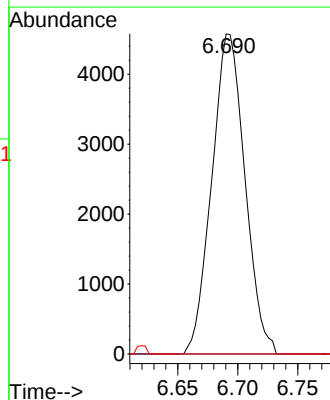
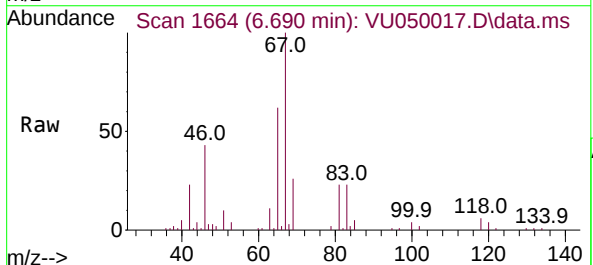
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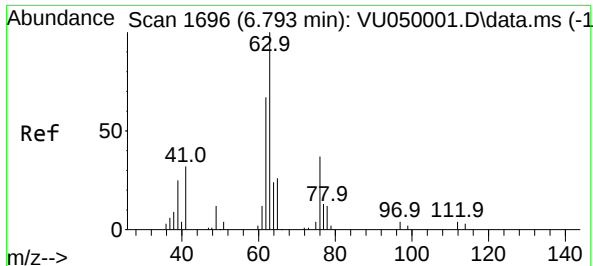
Tgt Ion: 95 Resp: 485775
Ion Ratio Lower Upper
95 100
97 64.6 45.6 84.8
132 91.8 66.8 124.2
130 95.9 69.9 129.7



#35
Methylcyclohexane
Concen: 1.254 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

Tgt Ion: 83 Resp: 8789
Ion Ratio Lower Upper
83 100
55 0.0 61.6 92.4#
98 0.0 34.8 52.2#





#37

1,2-Dichloropropane

Concen: 0.650 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU050017.D

Acq: 29 Jul 2022 04:40

Instrument :

MSVOA_U

ClientSampleId :

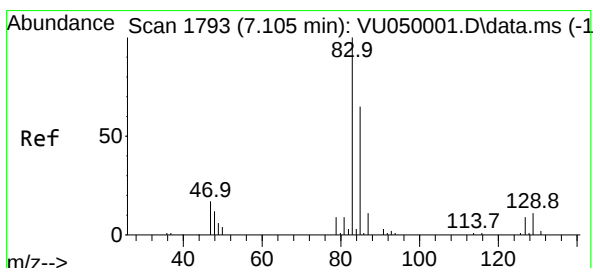
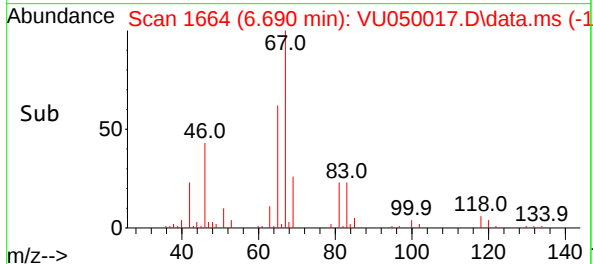
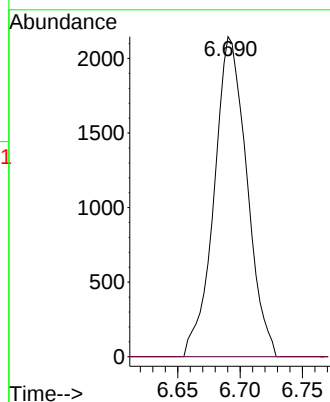
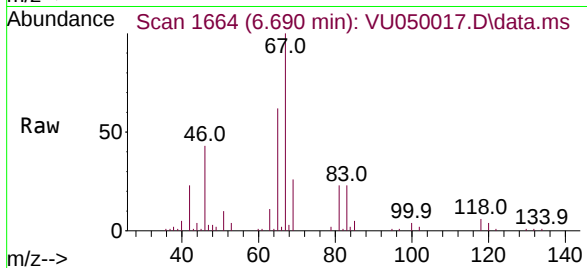
YBEA3

Tgt Ion: 63 Resp: 3917

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#38

Bromodichloromethane

Concen: 0.087 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050017.D

Acq: 29 Jul 2022 04:40

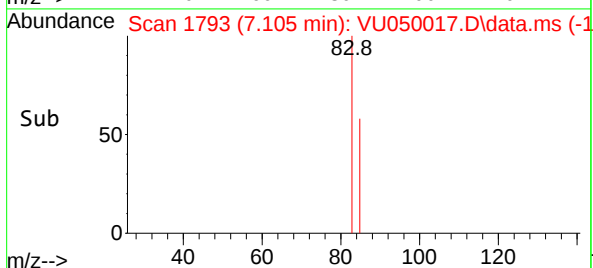
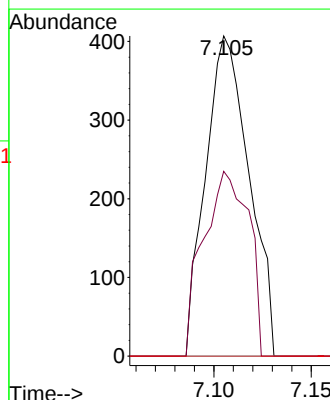
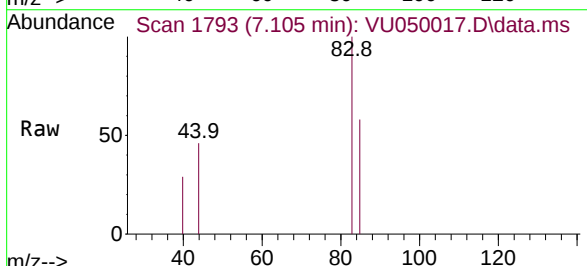
Tgt Ion: 83 Resp: 633

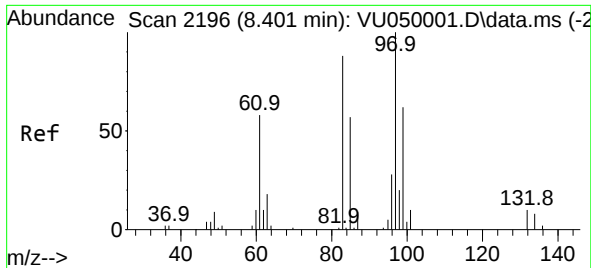
Ion Ratio Lower Upper

83 100

85 57.7 44.9 83.5

127 0.0 7.2 10.8#



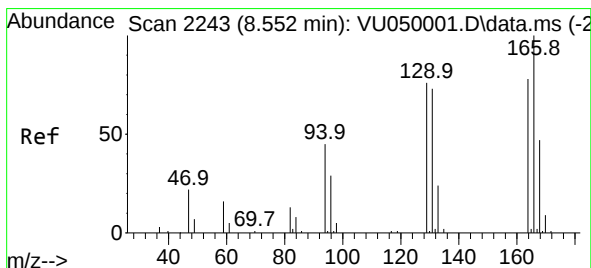
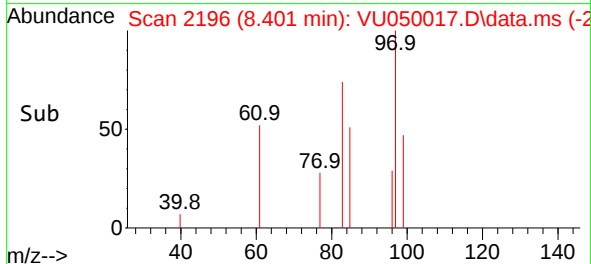
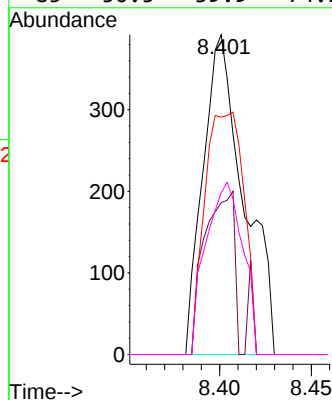
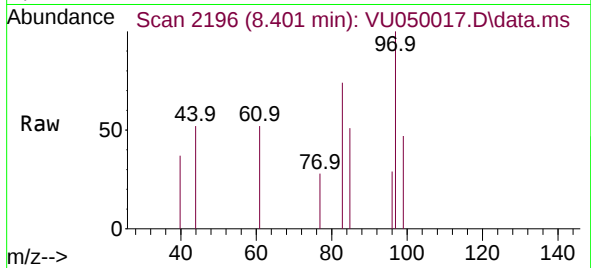


#45
1,1,2-Trichloroethane
Concen: 0.135 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

Instrument :
MSVOA_U
ClientSampleId :
YBEA3

Tgt Ion: 97 Resp: 607

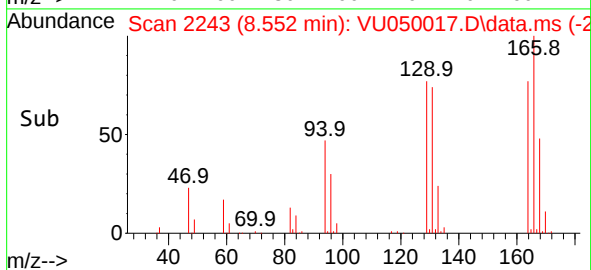
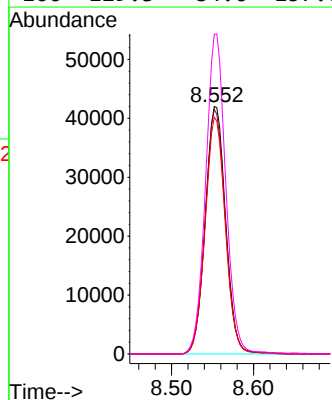
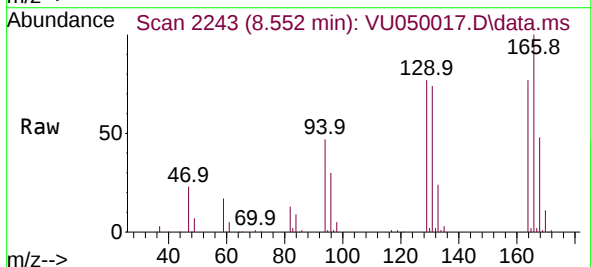
Ion	Ratio	Lower	Upper
97	100		
99	47.4	43.5	80.9
83	74.2	59.9	111.3
85	50.5	39.9	74.1

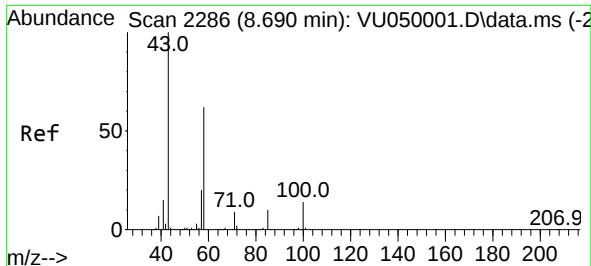


#47
Tetrachloroethene
Concen: 18.992 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

Tgt Ion: 164 Resp: 72611

Ion	Ratio	Lower	Upper
164	100		
129	98.9	66.3	123.1
131	95.7	63.1	117.1
166	129.3	84.6	157.0

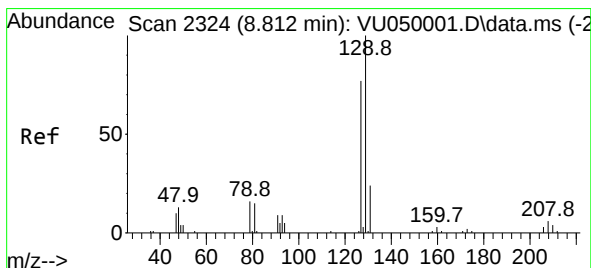
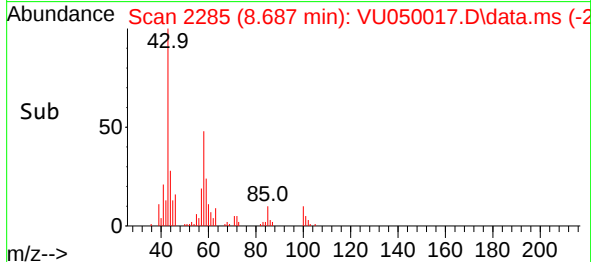
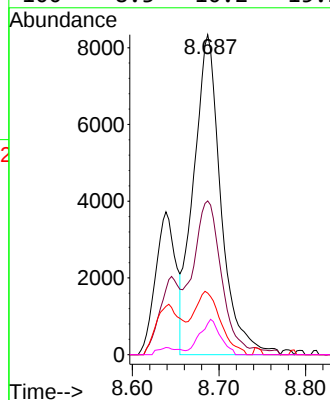
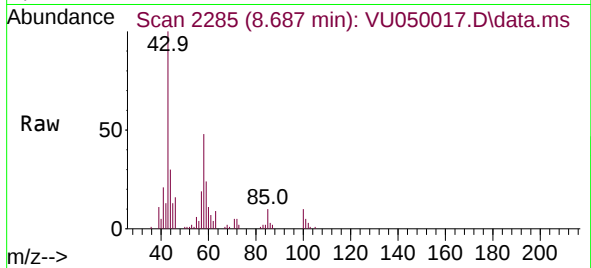




#48
2-Hexanone
Concen: 6.911 ug/L
RT: 8.687 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

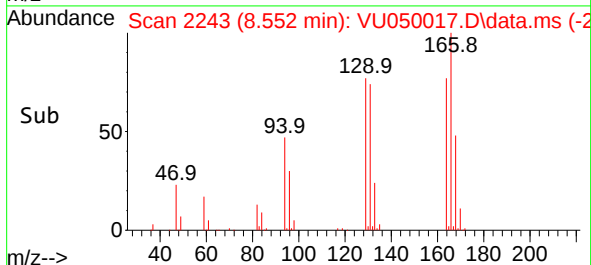
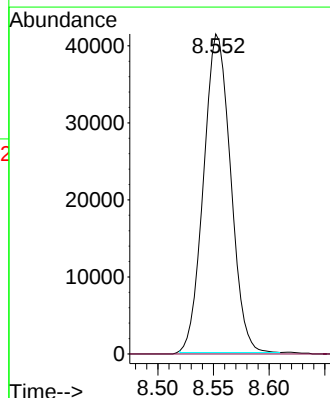
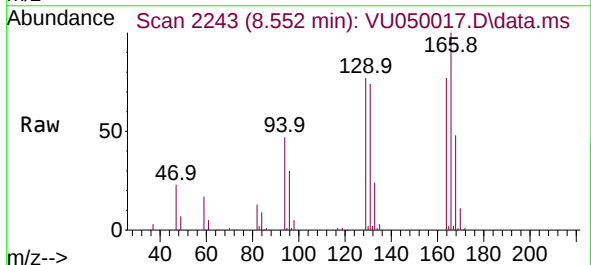
Instrument :
MSVOA_U
ClientSampleId :
YBEA3

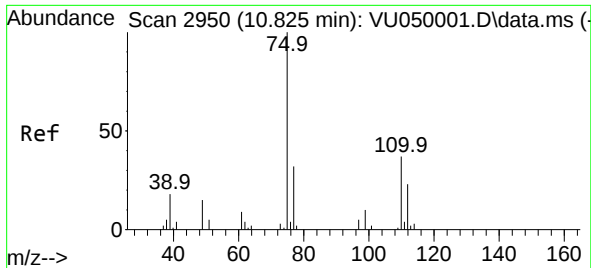
Tgt Ion: 43 Resp: 18334
Ion Ratio Lower Upper
43 100
58 46.5 49.4 74.0#
57 19.6 17.0 25.4
100 8.3 10.2 15.2#



#49
Dibromochloromethane
Concen: 14.148 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU050017.D
Acq: 29 Jul 2022 04:40

Tgt Ion: 129 Resp: 69668
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#





#61

1,2,3-Trichloropropane

Concen: 0.988 ug/L

RT: 11.812 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU050017.D

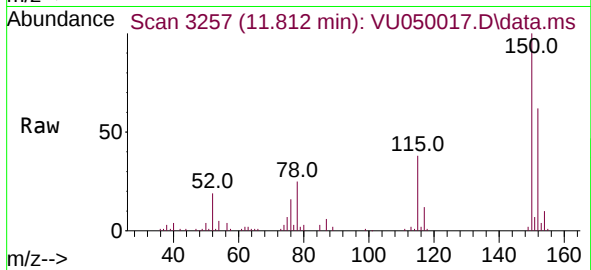
Acq: 29 Jul 2022 04:40

Instrument :

MSVOA_U

ClientSampleId :

YBEA3



Tgt Ion: 75 Resp: 3323

Ion Ratio Lower Upper

75 100

110 0.0 28.1 42.1#

77 35.5 24.7 37.1

