

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053689.D
 Acq On : 13 Apr 2023 18:06
 Operator : JC/MD
 Sample : 02299-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE7

Quant Time: Apr 14 02:25:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 02:17:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	159582	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	153121	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	74049	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	68162	6.209	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.200%
7) Chloroethane-d5	1.906	69	51766	5.195	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.000%
11) 1,1-Dichloroethene-d2	2.562	65	26550	5.677	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.600%
20) 2-Butanone-d5	4.620	46	107877	42.894	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.780%
24) Chloroform-d	5.060	84	92867	4.563	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.697	65	46314	4.441	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.723	84	182664	4.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.684	67	57844	4.375	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.893	98	170362	4.161	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	8.176	79	22544	4.443	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.629	63	96137	46.645	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.280%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	49472	4.495	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	63419	4.760	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						Qvalue
3) Chloromethane	1.517	50	1831	0.159	ug/L	87
5) Vinyl chloride	1.601	62	3172	0.244	ug/L #	33
8) Chloroethane	1.929	64	1332	0.176	ug/L	93
9) Trichlorofluoromethane	2.134	101	21373	1.090	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	20539	2.066	ug/L #	31
12) 1,1-Dichloroethene	2.572	96	9054638	1002.150	ug/L #	65
19) 1,1-Dichloroethane	3.861	63	1259355	72.843	ug/L	97
21) 2-Butanone	4.710	43	7175	3.096	ug/L	96
25) Chloroform	5.083	83	15118	0.850	ug/L	95
27) 1,2-Dichloroethane	5.793	62	14212	1.276	ug/L #	95
31) Carbon tetrachloride	5.324	117	6471902	505.967	ug/L	99
34) Trichloroethene	6.536	95	114880	10.515	ug/L	94
45) 1,1,2-Trichloroethane	8.398	97	1502	0.195	ug/L	88
47) Tetrachloroethene	8.549	164	4912	0.612	ug/L	90
48) 2-Hexanone	8.684	43	3182	0.812	ug/L #	84
49) Dibromochloromethane	8.552	129	4623	0.608	ug/L #	12
61) 1,2,3-Trichloropropane	11.806	75	9779	1.594	ug/L #	67

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QLast Update : Fri Apr 14 02:17:15 2023
Response via : Initial Calibration

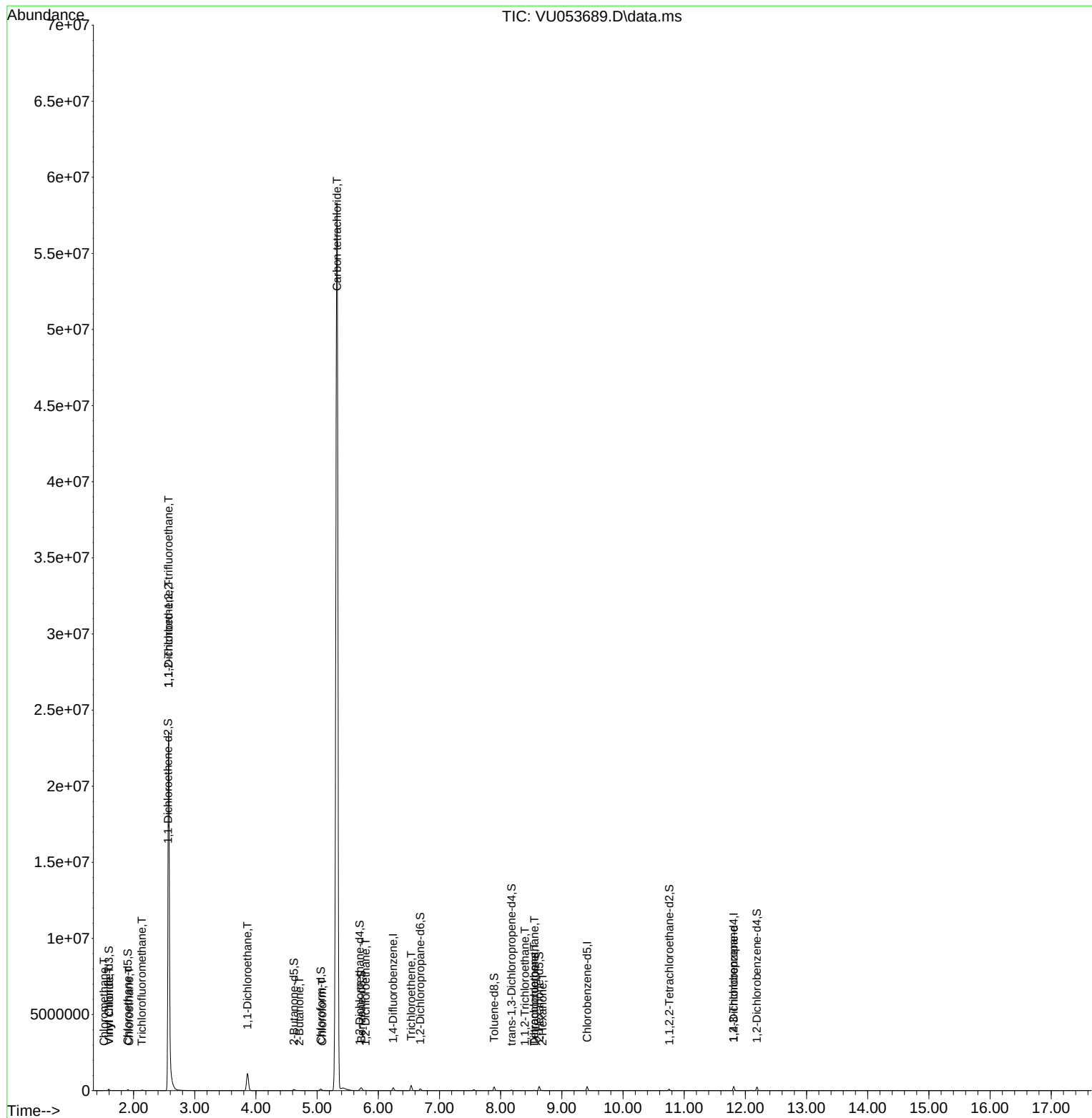
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

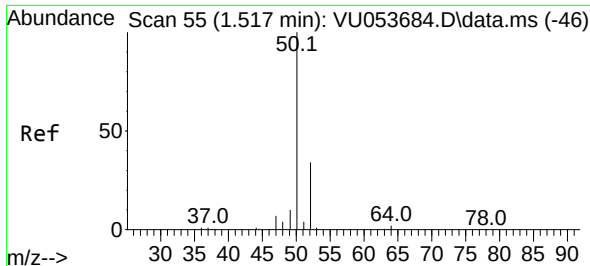
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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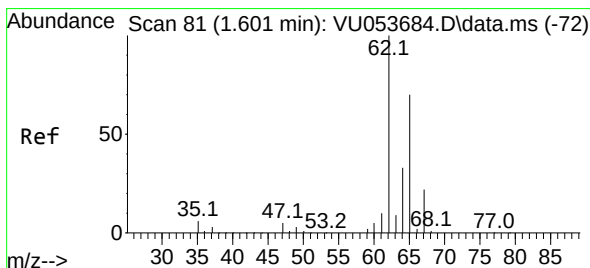
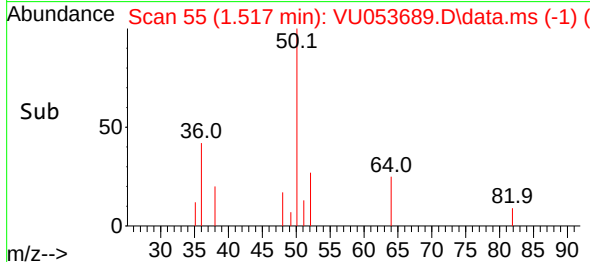
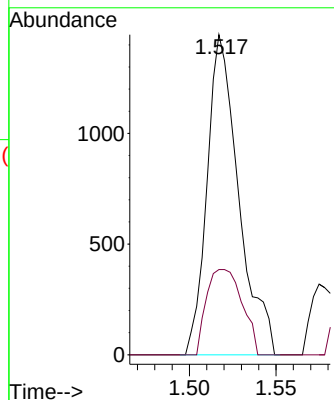
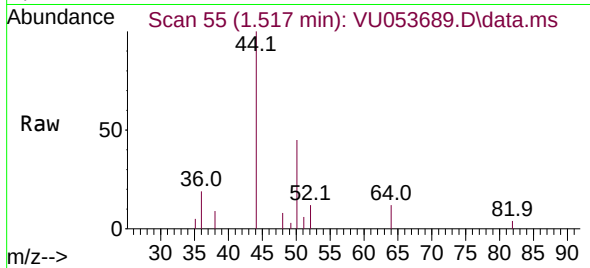




#3
Chloromethane
Concen: 0.159 ug/L
RT: 1.517 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

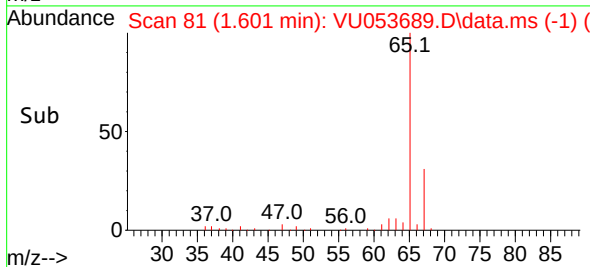
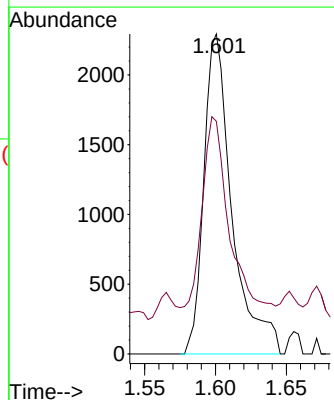
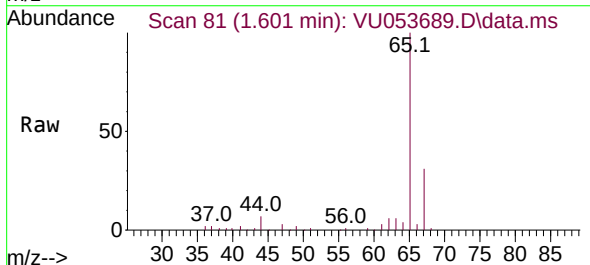
Instrument :
MSVOA_U
ClientSampleId :
C0AE7

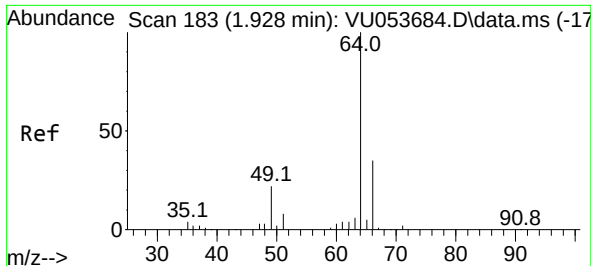
Tgt Ion: 50 Resp: 1831
Ion Ratio Lower Upper
50 100
52 26.6 23.9 44.3



#5
Vinyl chloride
Concen: 0.244 ug/L
RT: 1.601 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

Tgt Ion: 62 Resp: 3172
Ion Ratio Lower Upper
62 100
64 72.7 24.1 44.7#

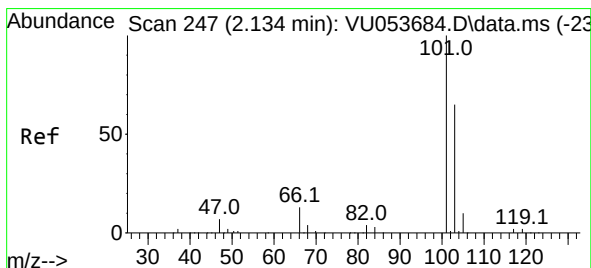
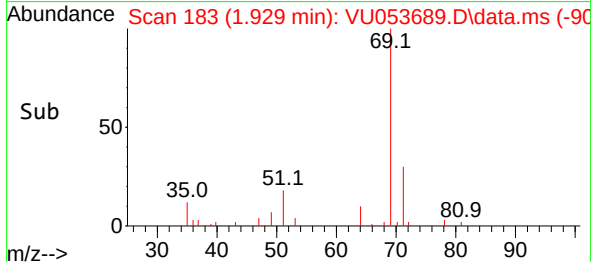
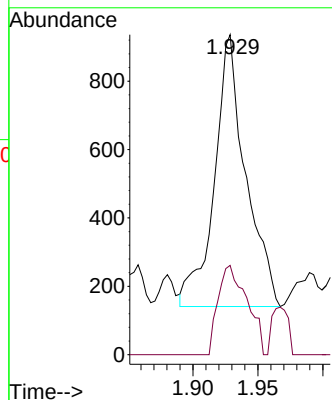
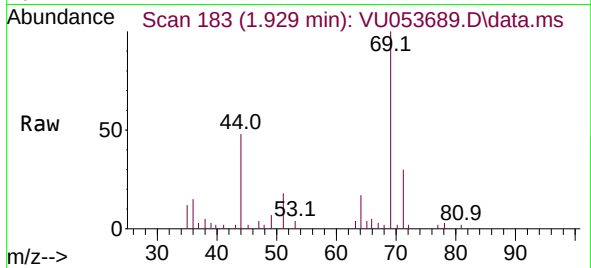




#8
Chloroethane
Concen: 0.176 ug/L
RT: 1.929 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

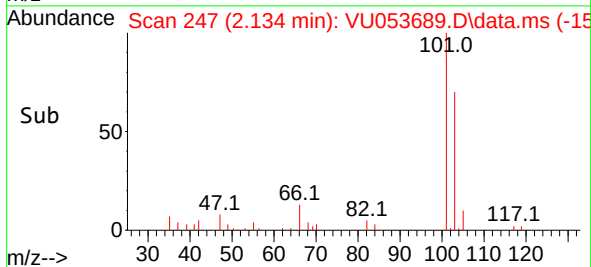
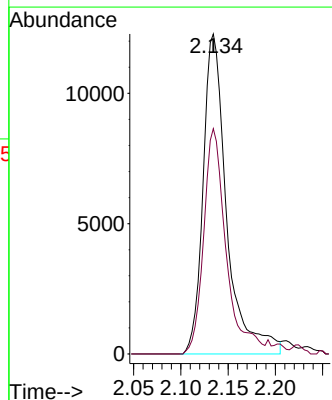
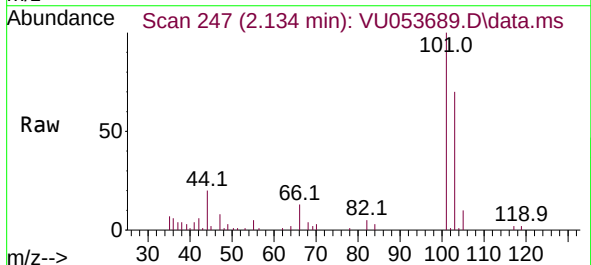
Instrument :
MSVOA_U
ClientSampleId :
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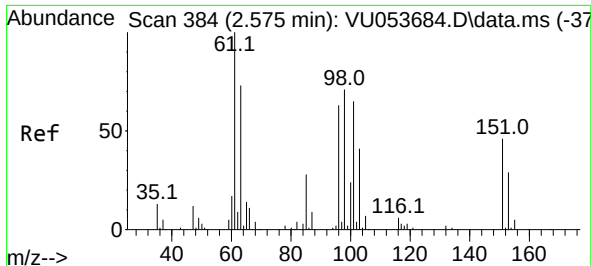
Tgt Ion: 64 Resp: 1332
Ion Ratio Lower Upper
64 100
66 27.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 1.090 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

Tgt Ion:101 Resp: 21373
Ion Ratio Lower Upper
101 100
103 66.9 50.2 75.2

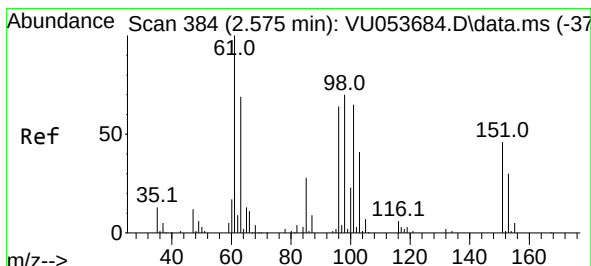
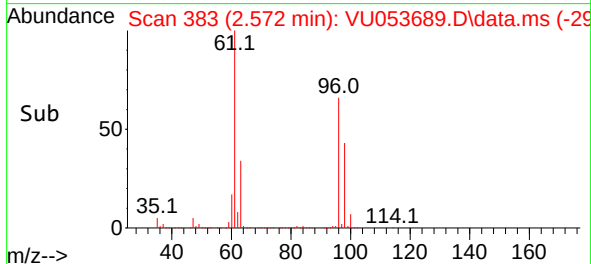
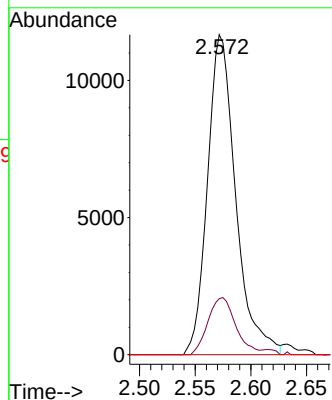
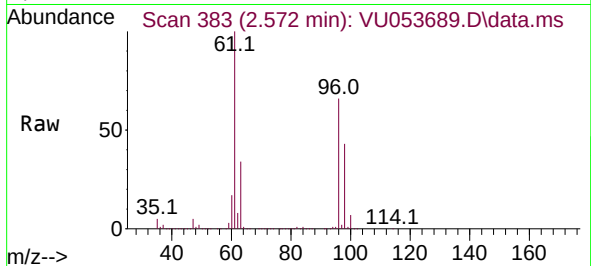




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.066 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU053689.D
 Acq: 13 Apr 2023 18:06

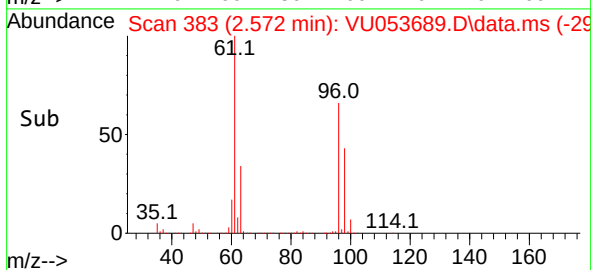
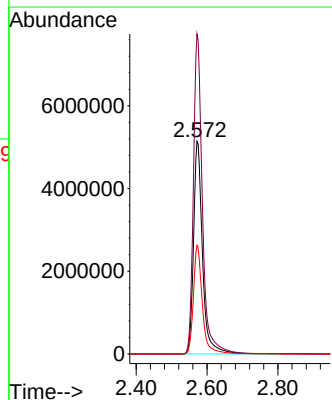
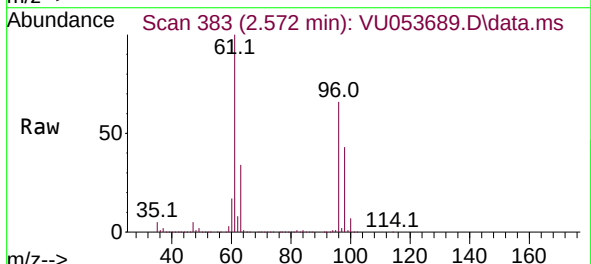
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE7

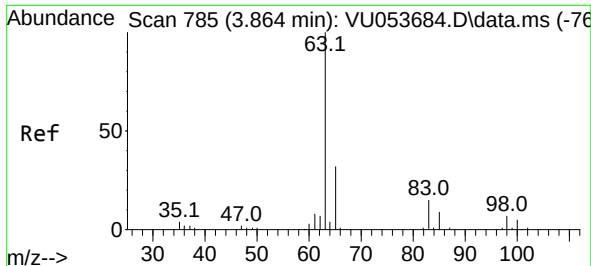
Tgt Ion:101 Resp: 20539
 Ion Ratio Lower Upper
 101 100
 85 17.7 37.0 55.4#
 151 0.0 56.8 85.2#



#12
 1,1-Dichloroethene
 Concen: 1002.150 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU053689.D
 Acq: 13 Apr 2023 18:06

Tgt Ion: 96 Resp: 9054638
 Ion Ratio Lower Upper
 96 100
 61 150.5 116.8 216.8
 63 51.1 88.6 164.6#





#19

1,1-Dichloroethane

Concen: 72.843 ug/L

RT: 3.861 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU053689.D

Acq: 13 Apr 2023 18:06

Instrument :

MSVOA_U

ClientSampleId :

C0AE7

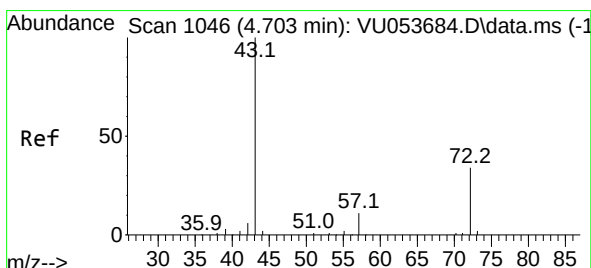
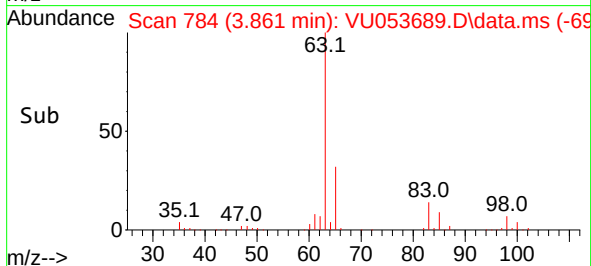
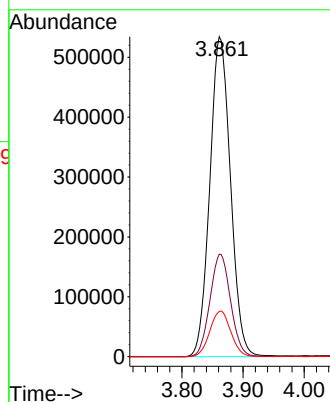
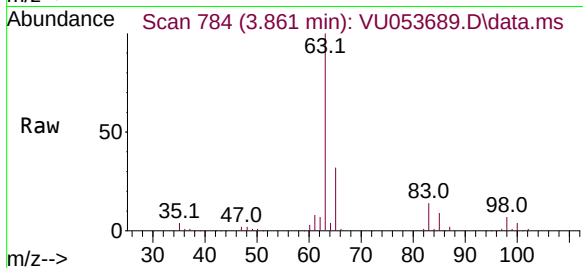
Tgt Ion: 63 Resp: 1259355

Ion Ratio Lower Upper

63 100

65 32.0 21.7 40.3

83 14.1 8.1 15.1



#21

2-Butanone

Concen: 3.096 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.007 min

Lab File: VU053689.D

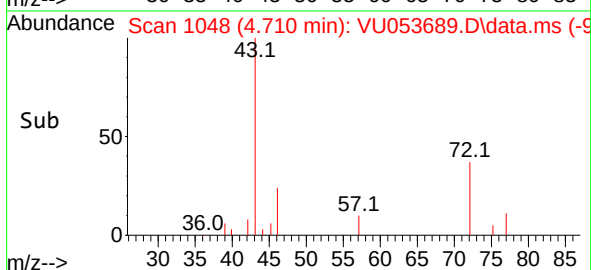
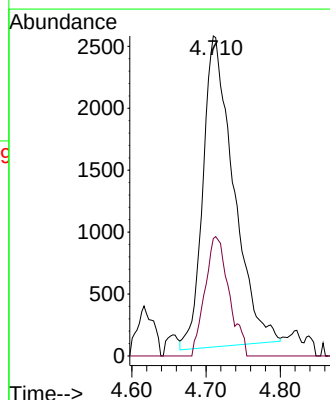
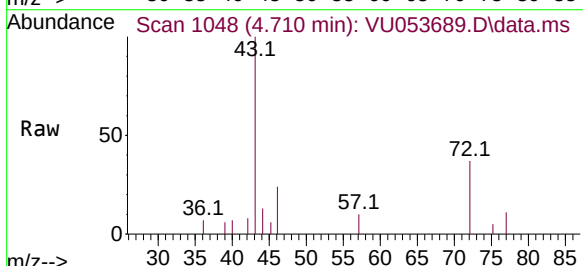
Acq: 13 Apr 2023 18:06

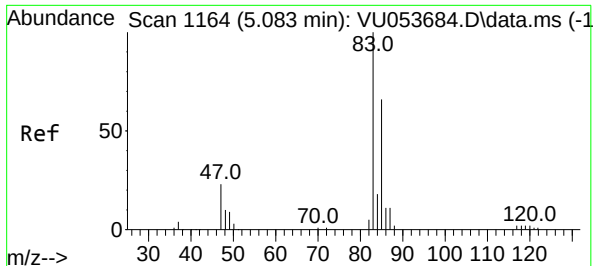
Tgt Ion: 43 Resp: 7175

Ion Ratio Lower Upper

43 100

72 30.1 16.2 48.6





#25

Chloroform

Concen: 0.850 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053689.D

Acq: 13 Apr 2023 18:06

Instrument :

MSVOA_U

ClientSampleId :

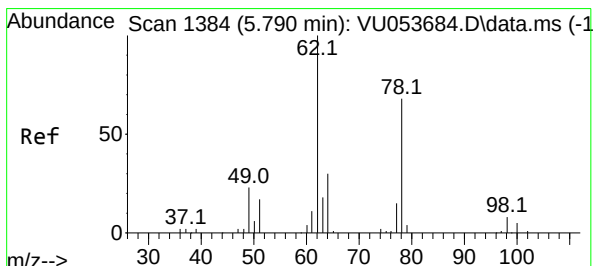
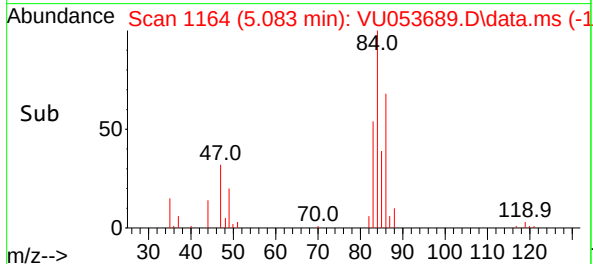
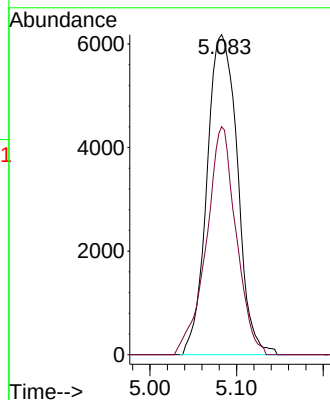
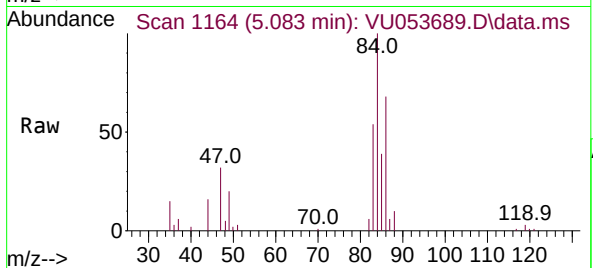
C0AE7

Tgt Ion: 83 Resp: 15118

Ion Ratio Lower Upper

83 100

85 71.2 47.3 87.9



#27

1,2-Dichloroethane

Concen: 1.276 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053689.D

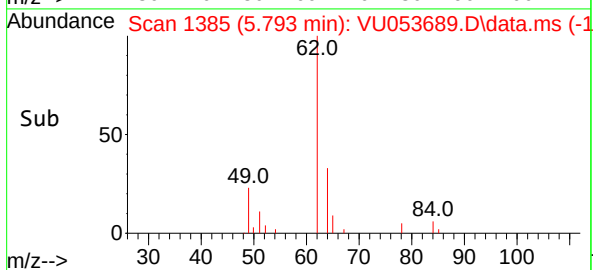
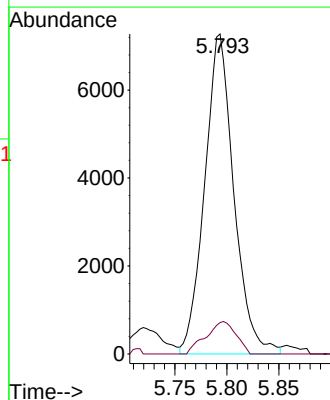
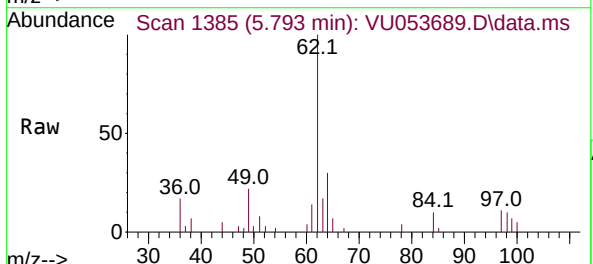
Acq: 13 Apr 2023 18:06

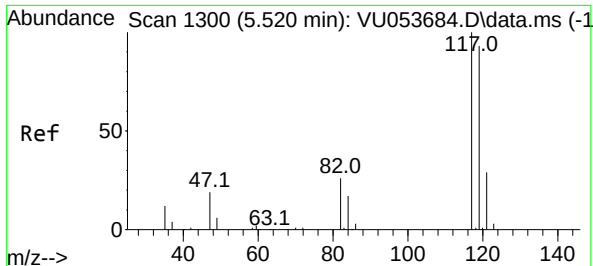
Tgt Ion: 62 Resp: 14212

Ion Ratio Lower Upper

62 100

98 9.8 6.4 9.6#

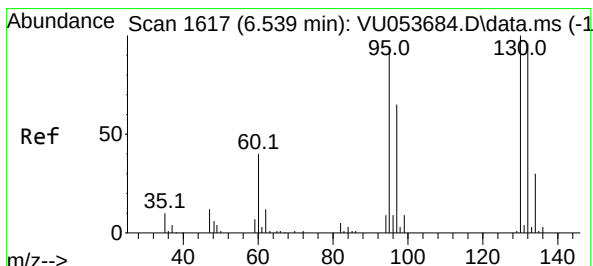
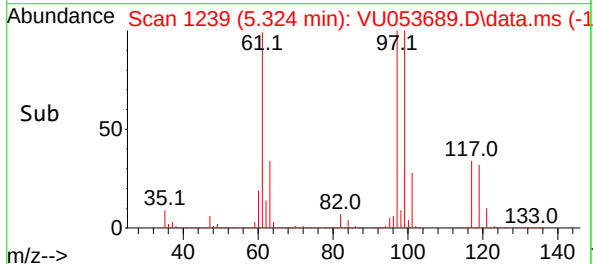
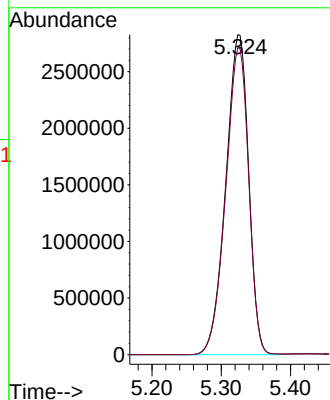
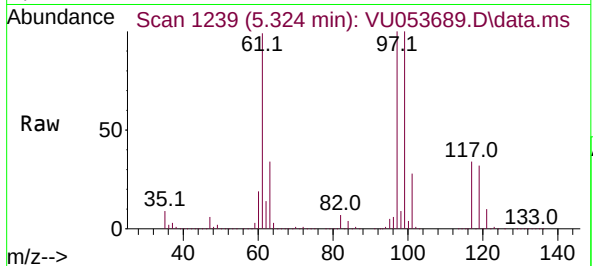




#31
Carbon tetrachloride
Concen: 505.967 ug/L
RT: 5.324 min Scan# 117
Delta R.T. -0.196 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

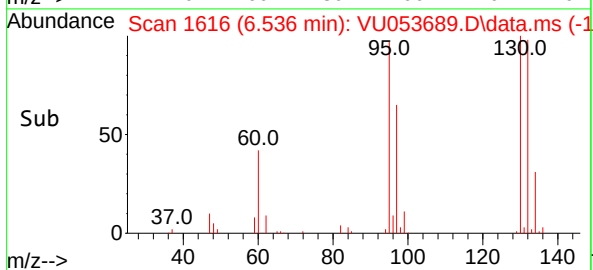
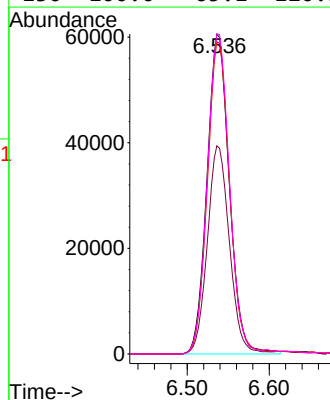
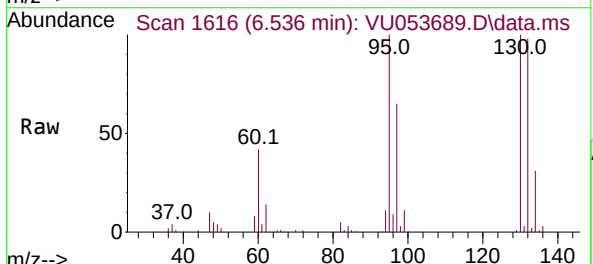
Instrument :
MSVOA_U
ClientSampleId :
C0AE7

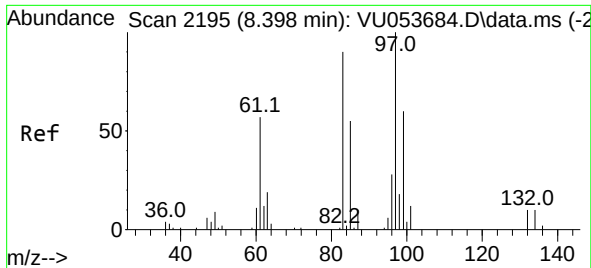
Tgt Ion:117 Resp: 6471902
Ion Ratio Lower Upper
117 100
119 96.2 77.7 116.5



#34
Trichloroethene
Concen: 10.515 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

Tgt Ion: 95 Resp: 114880
Ion Ratio Lower Upper
95 100
97 65.1 45.3 84.1
132 97.6 62.8 116.6
130 100.0 65.1 120.9



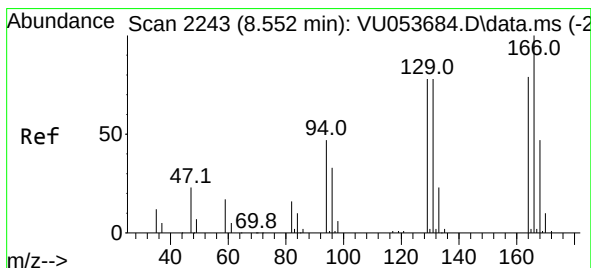
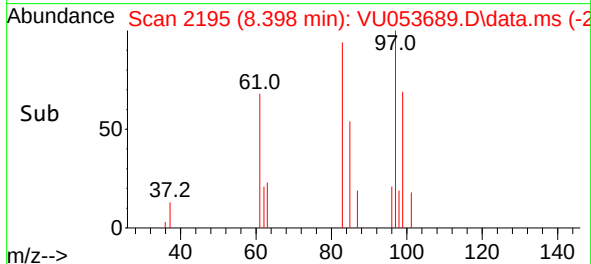
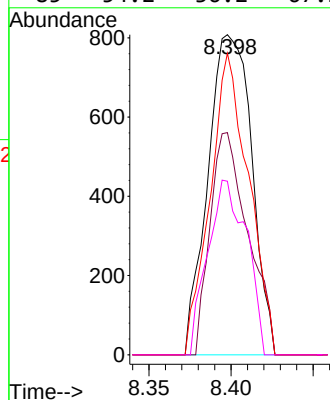
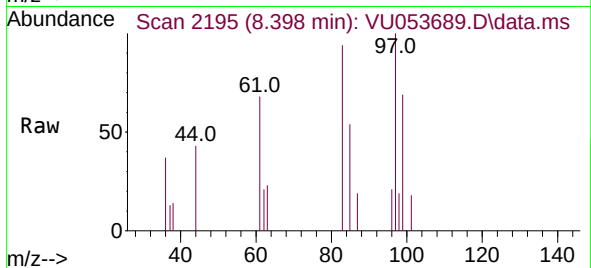


#45
1,1,2-Trichloroethane
Concen: 0.195 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

Instrument :
MSVOA_U
ClientSampleId :
C0AE7

Tgt Ion: 97 Resp: 1502

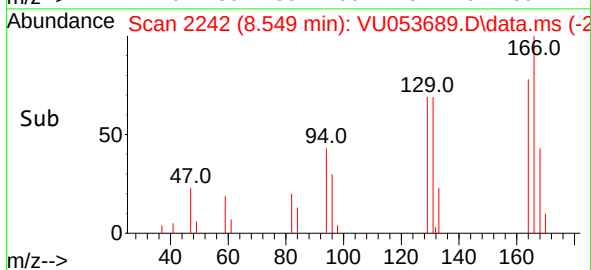
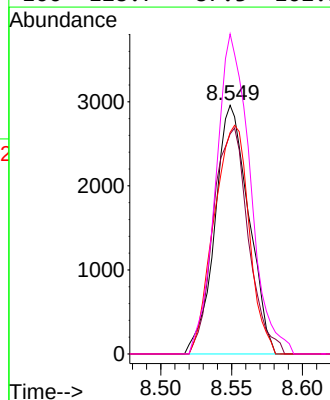
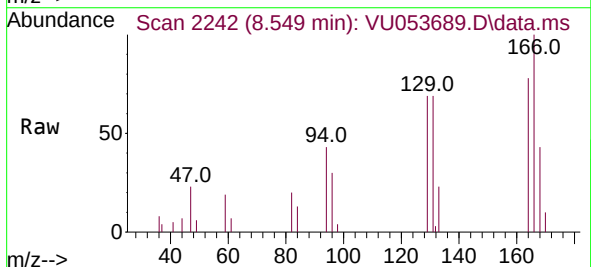
Ion	Ratio	Lower	Upper
97	100		
99	69.4	38.9	72.2
83	94.2	57.6	107.0
85	54.2	36.2	67.2

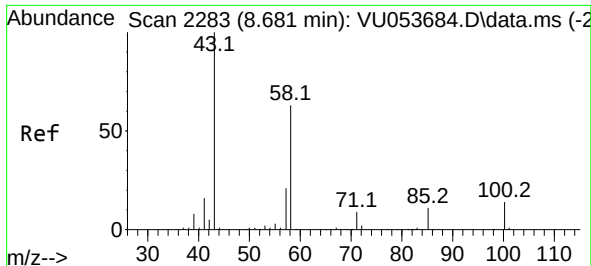


#47
Tetrachloroethene
Concen: 0.612 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

Tgt Ion: 164 Resp: 4912

Ion	Ratio	Lower	Upper
164	100		
129	88.5	74.8	138.8
131	89.1	70.1	130.1
166	128.7	87.3	162.1

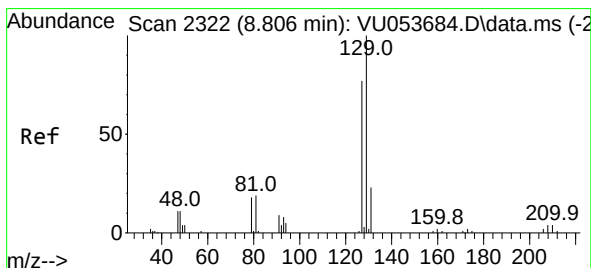
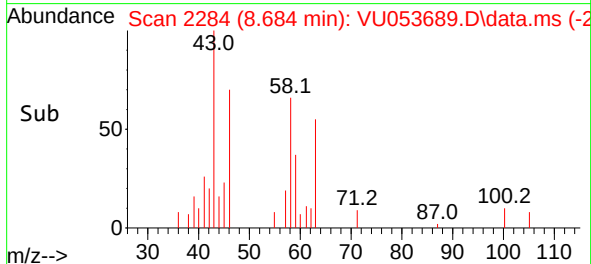
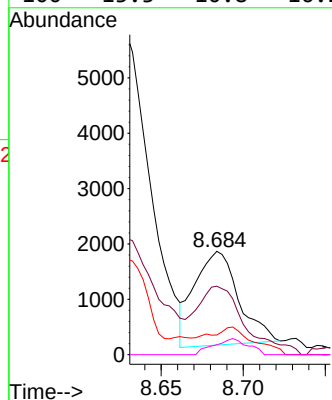
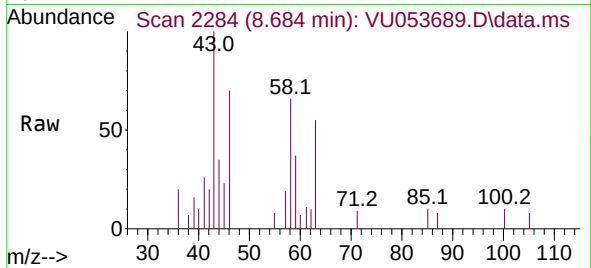




#48
2-Hexanone
Concen: 0.812 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

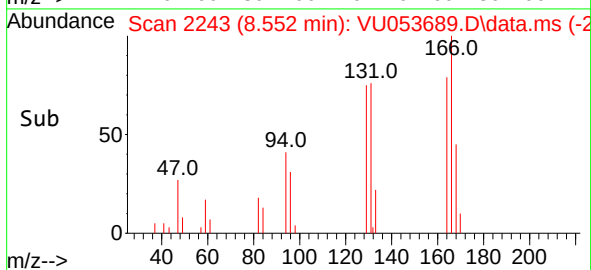
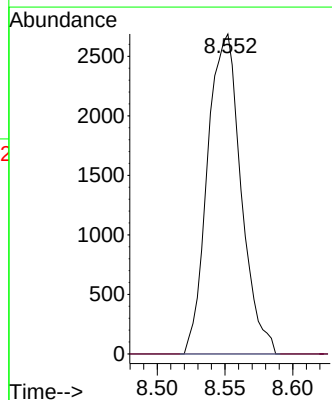
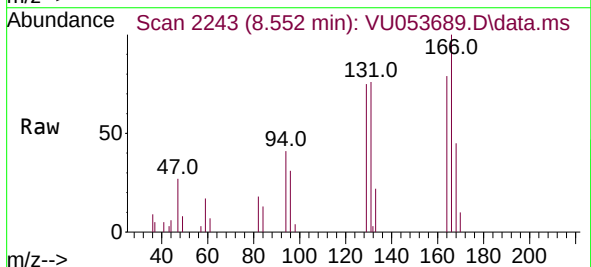
Instrument :
MSVOA_U
ClientSampleId :
C0AE7

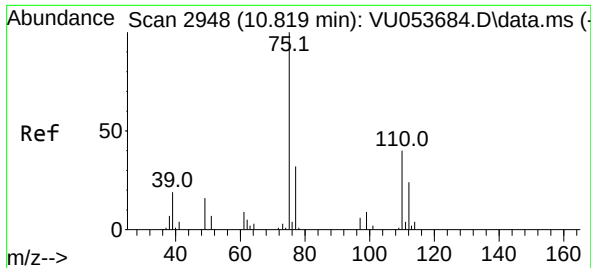
Tgt Ion: 43	Resp: 3182
Ion Ratio	Lower Upper
43 100	
58 79.4	52.8 79.2#
57 31.6	17.1 25.7#
100 13.3	10.8 16.2



#49
Dibromochloromethane
Concen: 0.608 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.254 min
Lab File: VU053689.D
Acq: 13 Apr 2023 18:06

Tgt Ion:129	Resp:	4623	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.2	97.0#





#61
 1,2,3-Trichloropropane
 Concen: 1.594 ug/L
 RT: 11.806 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU053689.D
 Acq: 13 Apr 2023 18:06

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AE7

Tgt Ion: 75 Resp: 9779
 Ion Ratio Lower Upper
 75 100
 110 2.2 30.6 46.0#
 77 31.8 26.1 39.1

