

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021323\
 Data File : VU053069.D
 Acq On : 13 Feb 2023 10:02
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005139

Quant Time: Feb 14 00:33:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 12 22:49:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	120152	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	105782	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	49556	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	25687	4.463	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.913	69	24836	4.590	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.563	65	11792	4.466	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.400%
20) 2-Butanone-d5	4.649	46	93331	52.943	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.880%
24) Chloroform-d	5.058	84	62465	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.698	65	31471	4.715	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.723	84	112450	4.731	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	6.685	67	39706	4.796	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.894	98	98620	4.592	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	8.177	79	14366	4.286	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.630	63	77799	52.283	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.560%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	35192	4.950	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	36598	4.944	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	42544	4.823	ug/L	98
3) Chloromethane	1.518	50	44801	4.874	ug/L	97
5) Vinyl chloride	1.601	62	50358	4.973	ug/L	100
6) Bromomethane	1.859	94	27258	4.328	ug/L	99
8) Chloroethane	1.933	64	29163	4.891	ug/L	100
9) Trichlorofluoromethane	2.138	101	68813	4.933	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	36375	4.736	ug/L	99
12) 1,1-Dichloroethene	2.579	96	34973	4.920	ug/L	94
13) Acetone	2.669	43	48417	38.261	ug/L	90
14) Carbon disulfide	2.791	76	107830	5.024	ug/L	98
15) Methyl Acetate	2.958	43	12807	4.145	ug/L	# 72
16) Methylene chloride	3.042	84	38817	4.720	ug/L	98
17) Methyl tert-butyl Ether	3.360	73	96112	4.980	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	36338	4.831	ug/L	97
19) 1,1-Dichloroethane	3.865	63	71943	5.079	ug/L	99
21) 2-Butanone	4.723	43	90335	48.323	ug/L	95
22) cis-1,2-Dichloroethene	4.662	96	41867	4.932	ug/L	98
23) Bromochloromethane	4.971	128	18013	5.358	ug/L	97
25) Chloroform	5.084	83	73007	4.930	ug/L	98

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 Sample : VSTDCCC005
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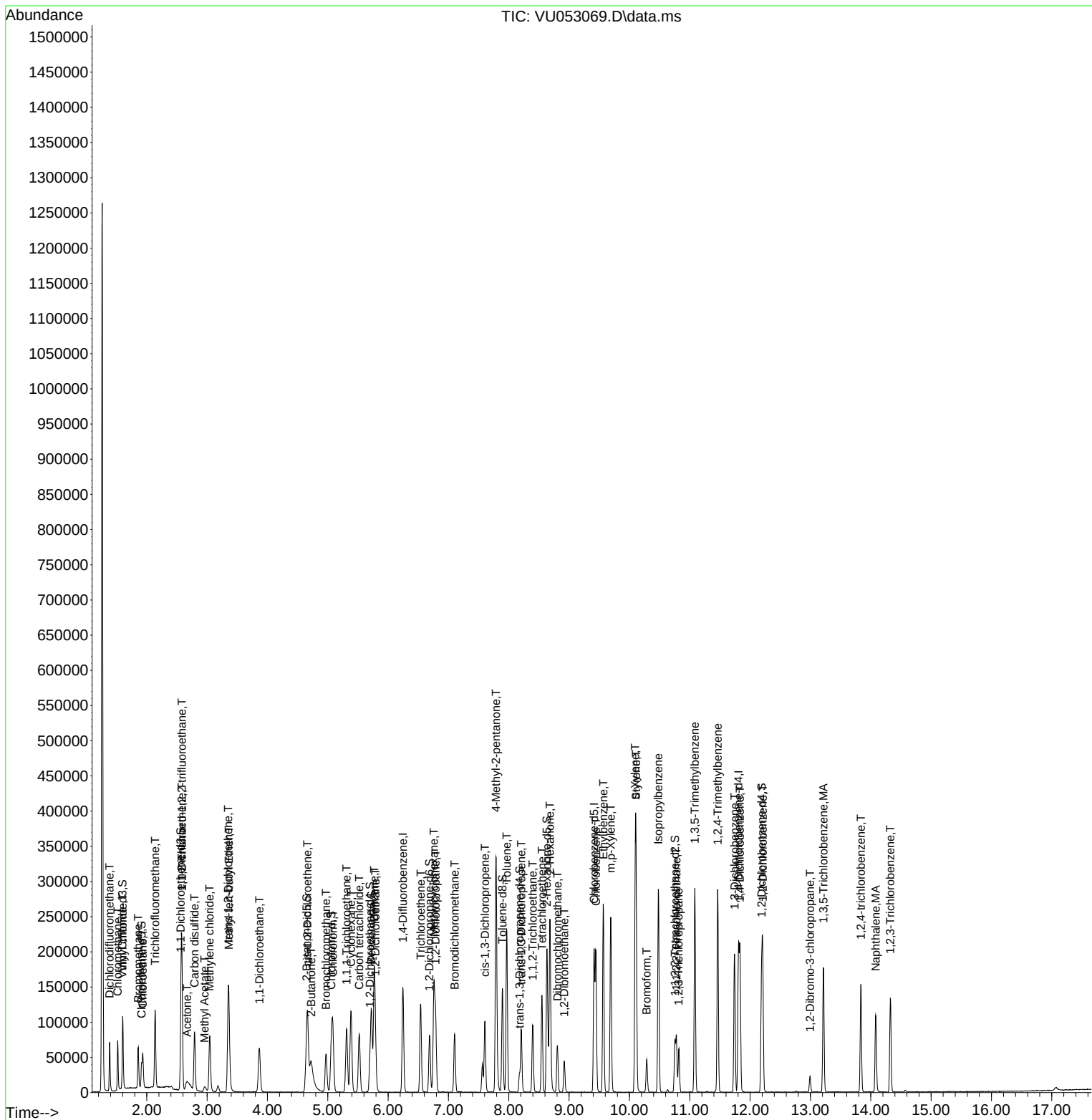
Instrument :
 MSVOA_U
 ClientSampleId :
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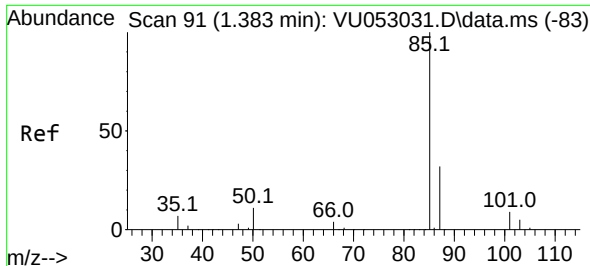
Quant Time: Feb 14 00:33:18 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 12 22:49:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	46539	5.112	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	63838	5.052	ug/L	97
30) Cyclohexane	5.386	56	63017	4.987	ug/L	98
31) Carbon tetrachloride	5.521	117	55363	5.249	ug/L	100
33) Benzene	5.772	78	158053	5.185	ug/L	100
34) Trichloroethene	6.540	95	42718	4.981	ug/L	97
35) Methylcyclohexane	6.759	83	66629	4.798	ug/L	98
37) 1,2-Dichloropropane	6.788	63	42871	5.165	ug/L	100
38) Bromodichloromethane	7.103	83	54819	5.093	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	62261	4.703	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	222081	51.255	ug/L	99
42) Toluene	7.964	91	172040	5.196	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	51331	4.700	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	30357	5.076	ug/L	98
47) Tetrachloroethene	8.550	164	26952	4.834	ug/L	97
48) 2-Hexanone	8.681	43	158390	49.807	ug/L	100
49) Dibromochloromethane	8.807	129	34112	5.232	ug/L	99
50) 1,2-Dibromoethane	8.919	107	28205	5.112	ug/L	98
51) Chlorobenzene	9.444	112	104553	5.062	ug/L	98
52) Ethylbenzene	9.566	91	189640	5.047	ug/L	99
53) m,p-Xylene	9.691	106	71474	5.087	ug/L	96
54) o-Xylene	10.096	106	69690	5.117	ug/L	97
55) Styrene	10.109	104	114876	5.199	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	38032	5.026	ug/L	99
59) Bromoform	10.286	173	19322	5.364	ug/L	99
60) Isopropylbenzene	10.479	105	189322	5.280	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	26433	5.555	ug/L	96
62) 1,3,5-Trimethylbenzene	11.083	105	158011	5.219	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	160048	5.281	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	76125	5.243	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	73948	5.083	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	70419	5.202	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.993	75	6549	5.856	ug/L	98
69) 1,3,5-Trichlorobenzene	13.215	180	50490	4.882	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	42313	4.928	ug/L	99
71) Naphthalene	14.083	128	87536	5.084	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	37595	4.961	ug/L	98

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

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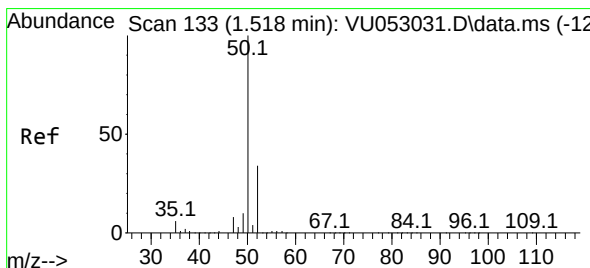
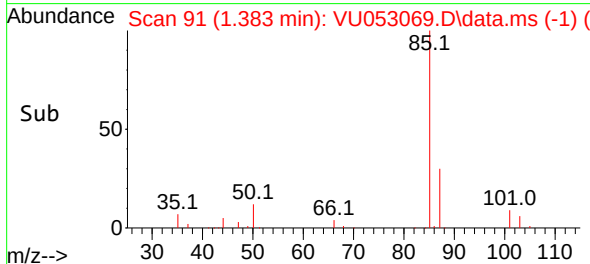
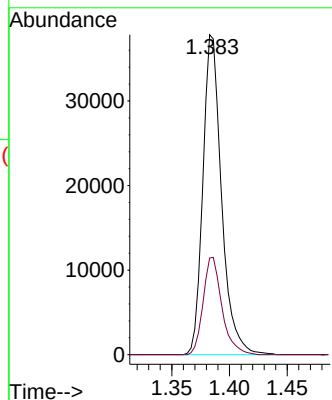
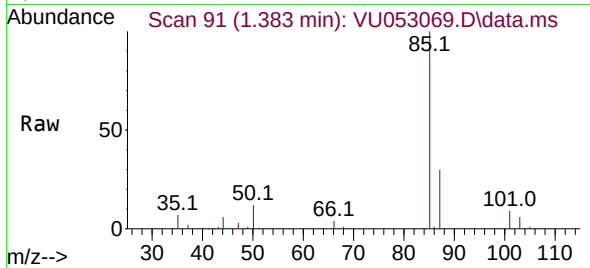




#2
 Dichlorodifluoromethane
 Concen: 4.823 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

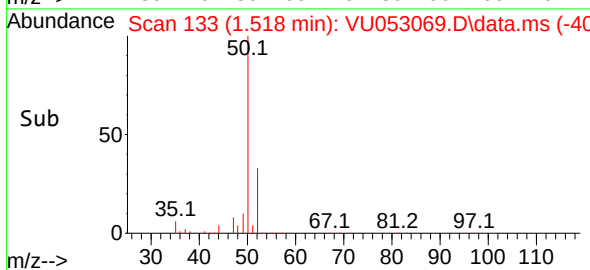
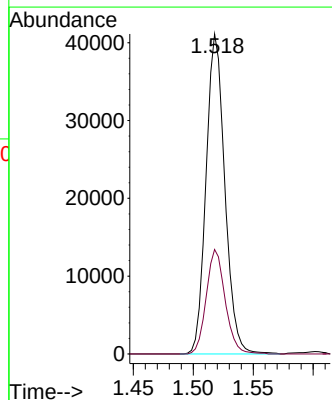
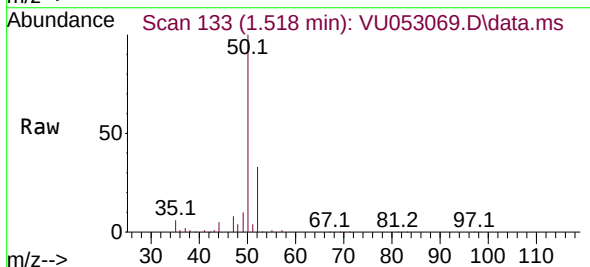
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005139

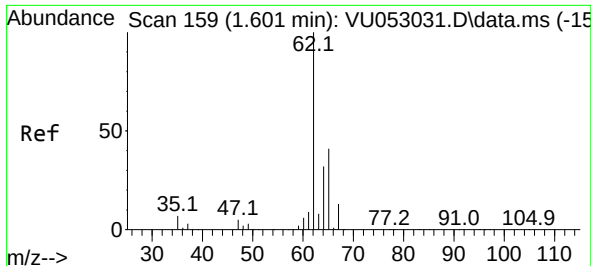
Tgt Ion: 85 Resp: 42544
 Ion Ratio Lower Upper
 85 100
 87 30.6 25.5 38.3



#3
 Chloromethane
 Concen: 4.874 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. 0.000 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

Tgt Ion: 50 Resp: 44801
 Ion Ratio Lower Upper
 50 100
 52 32.7 24.1 44.7

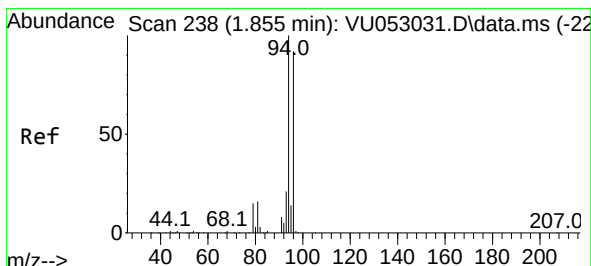
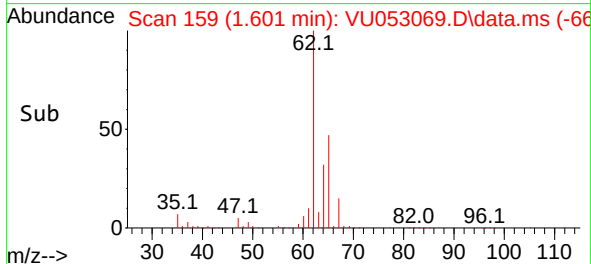
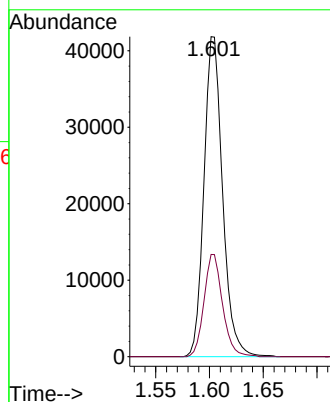
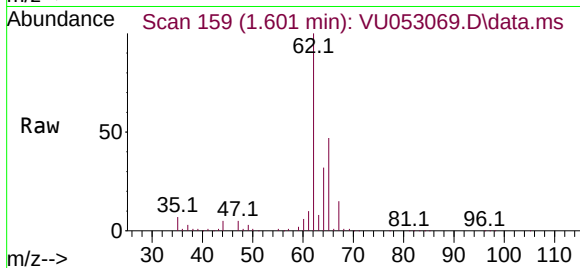




#5
 Vinyl chloride
 Concen: 4.973 ug/L
 RT: 1.601 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

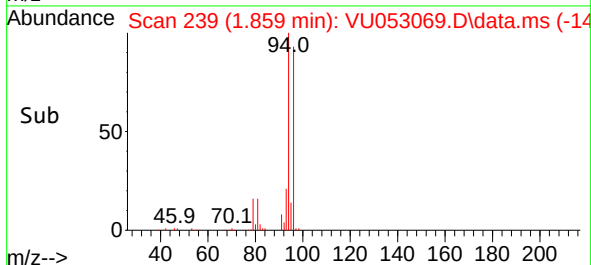
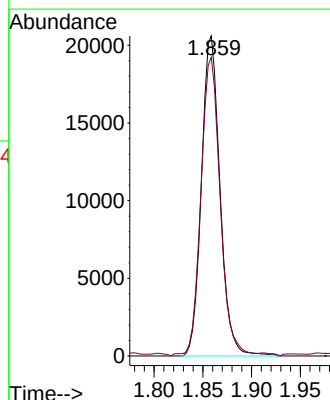
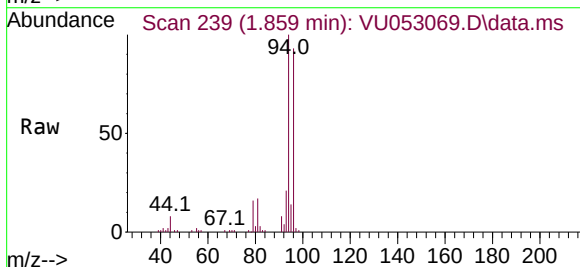
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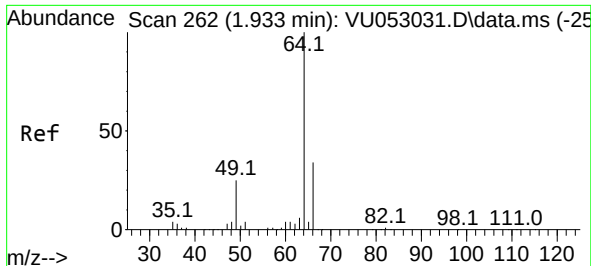
Tgt Ion: 62 Resp: 50358
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.5 41.9



#6
 Bromomethane
 Concen: 4.328 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.000 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

Tgt Ion: 94 Resp: 27258
 Ion Ratio Lower Upper
 94 100
 96 93.3 64.8 120.3

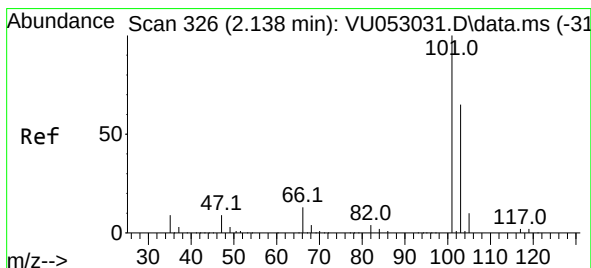
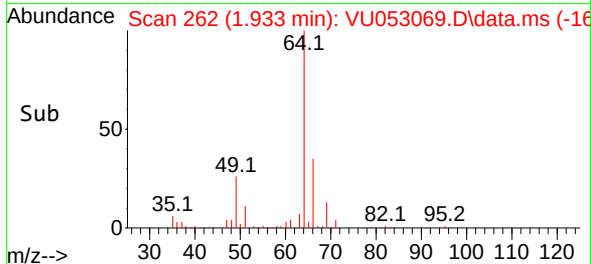
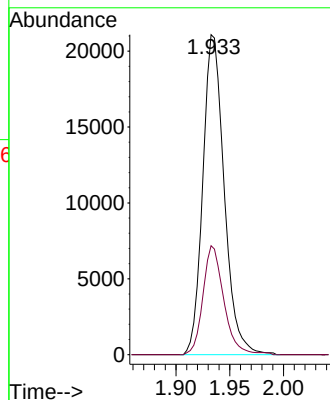
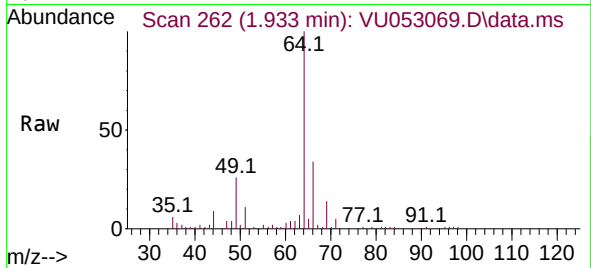




#8
Chloroethane
Concen: 4.891 ug/L
RT: 1.933 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

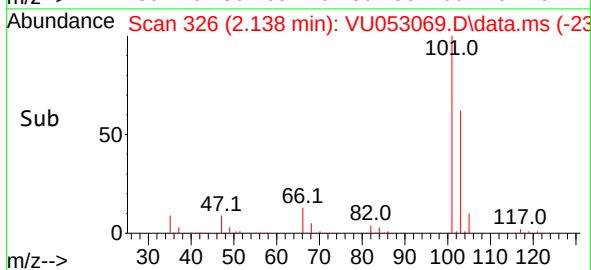
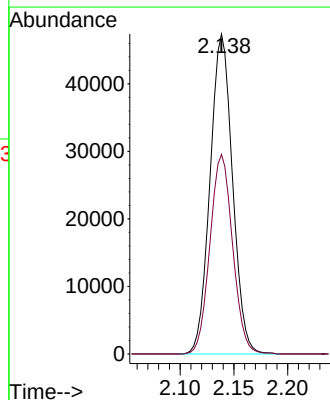
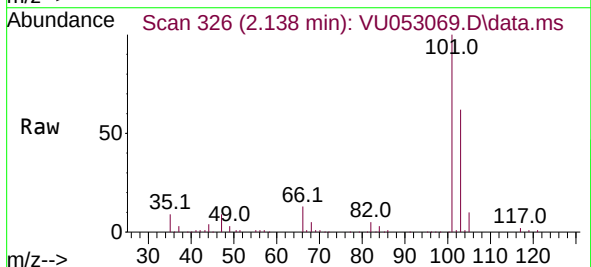
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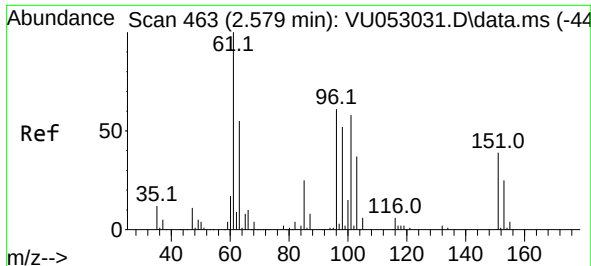
Tgt Ion: 64 Resp: 29163
Ion Ratio Lower Upper
64 100
66 34.1 23.9 44.3



#9
Trichlorofluoromethane
Concen: 4.933 ug/L
RT: 2.138 min Scan# 326
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion:101 Resp: 68813
Ion Ratio Lower Upper
101 100
103 63.0 52.6 78.8

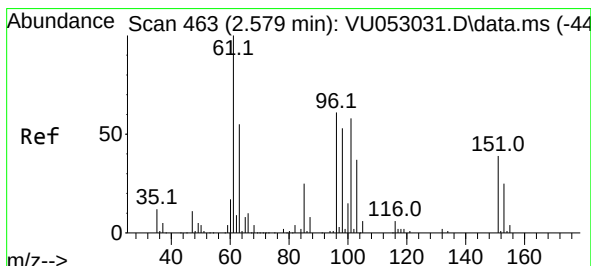
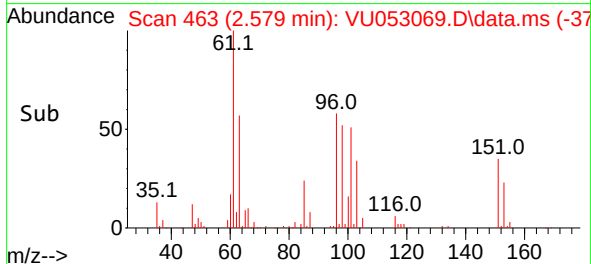
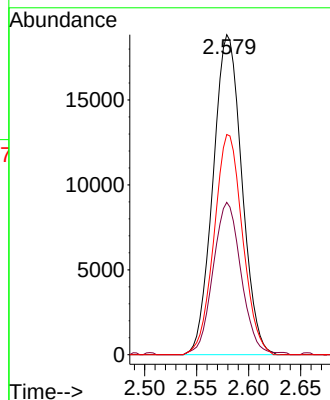
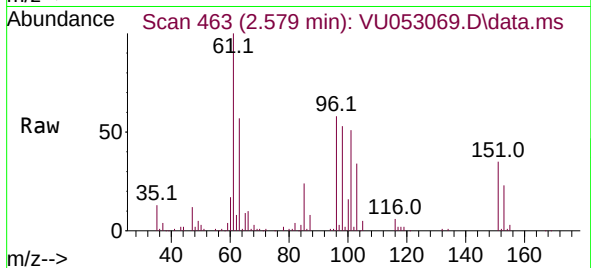




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.736 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

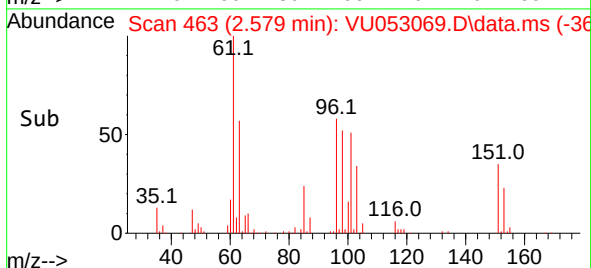
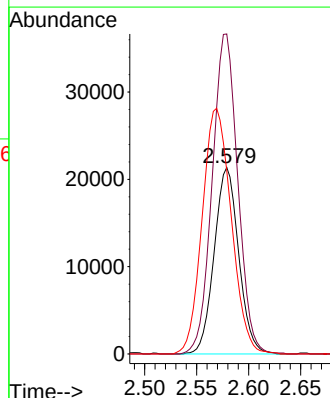
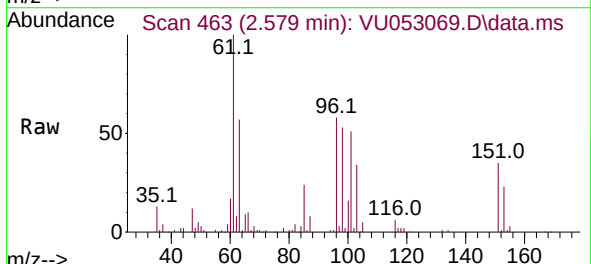
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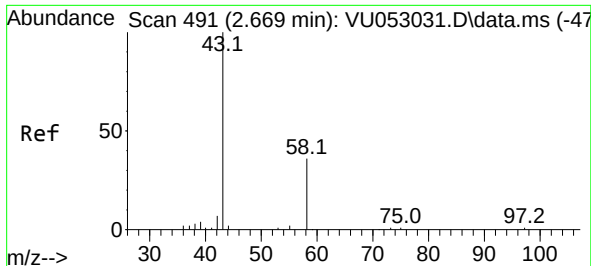
Tgt Ion:101 Resp: 36375
 Ion Ratio Lower Upper
 101 100
 85 46.2 36.8 55.2
 151 68.1 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 4.920 ug/L
 RT: 2.579 min Scan# 463
 Delta R.T. 0.003 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

Tgt Ion: 96 Resp: 34973
 Ion Ratio Lower Upper
 96 100
 61 171.5 115.1 213.7
 63 98.3 63.6 118.0





#13

Acetone

Concen: 38.261 ug/L

RT: 2.669 min Scan# 491

Delta R.T. -0.006 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

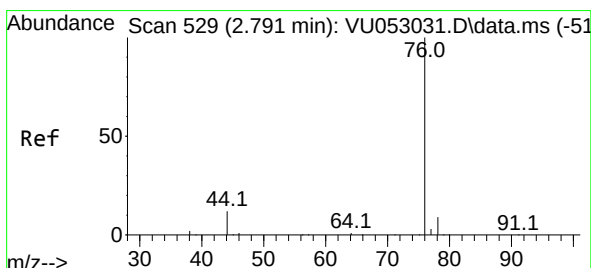
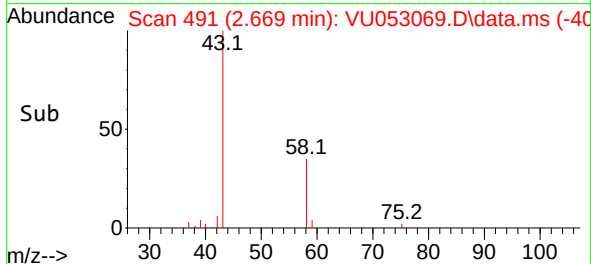
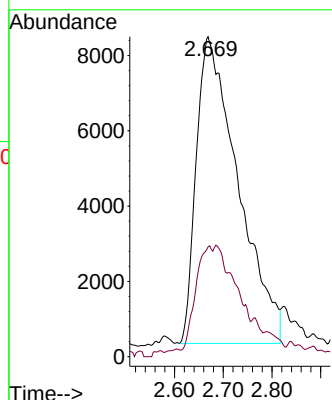
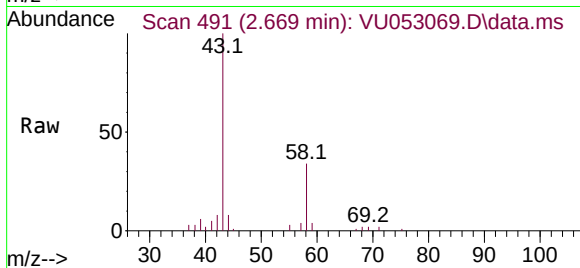
VSTD005139

Tgt Ion: 43 Resp: 48417

Ion Ratio Lower Upper

43 100

58 13.6 0.0 19.6



#14

Carbon disulfide

Concen: 5.024 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU053069.D

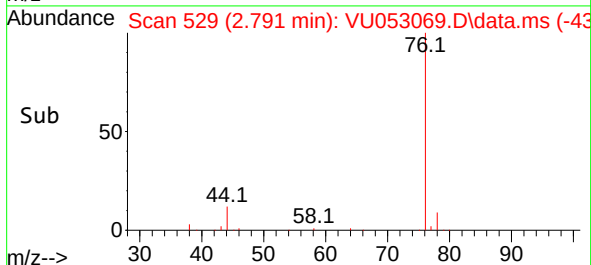
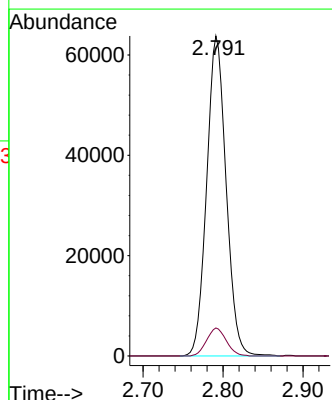
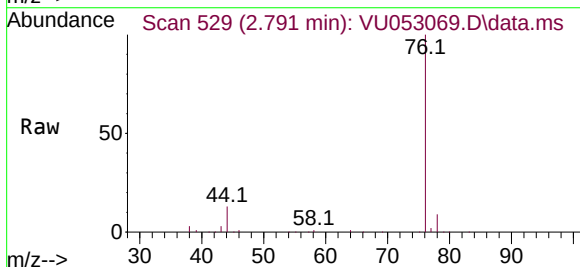
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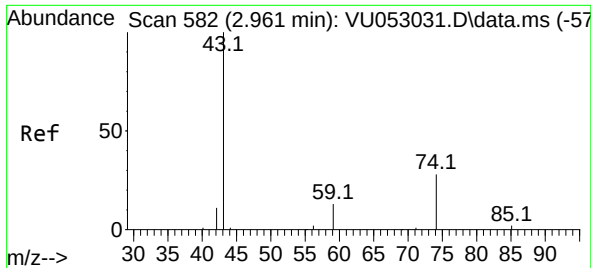
Tgt Ion: 76 Resp: 107830

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

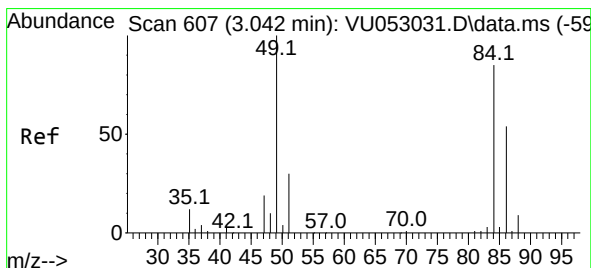
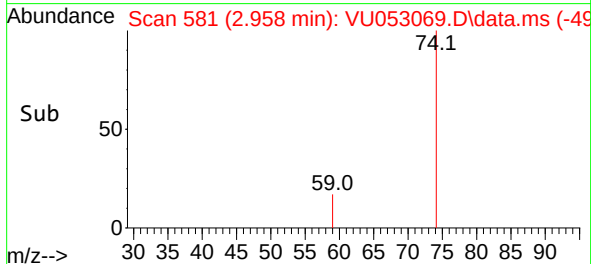
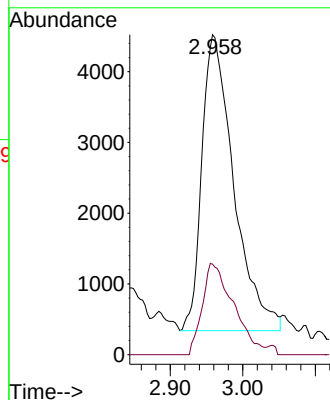
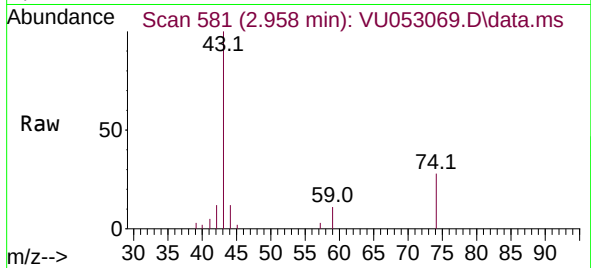




#15
Methyl Acetate
Concen: 4.145 ug/L
RT: 2.958 min Scan# 581
Delta R.T. -0.006 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

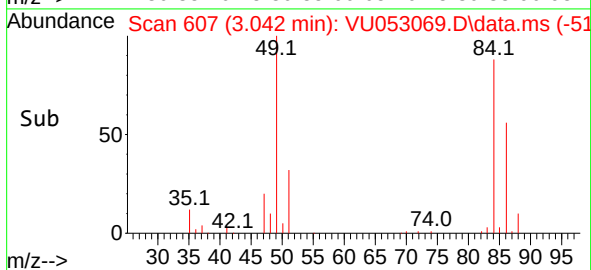
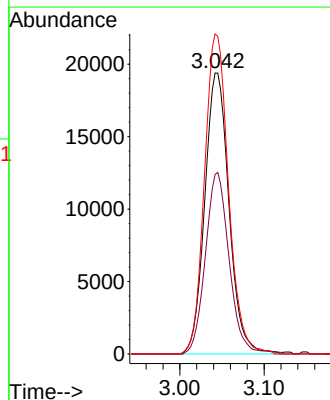
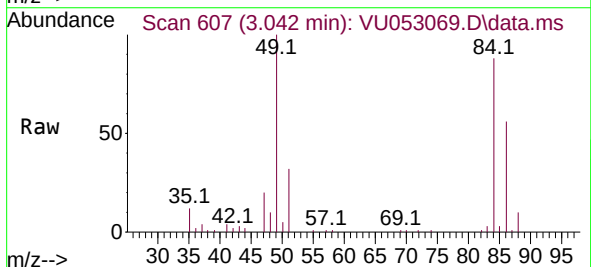
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

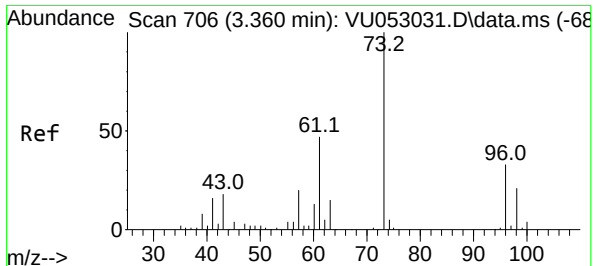
Tgt Ion: 43 Resp: 12807
Ion Ratio Lower Upper
43 100
74 30.1 14.3 21.5#



#16
Methylene chloride
Concen: 4.720 ug/L
RT: 3.042 min Scan# 607
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion: 84 Resp: 38817
Ion Ratio Lower Upper
84 100
86 63.9 44.9 83.3
49 113.9 82.6 153.4

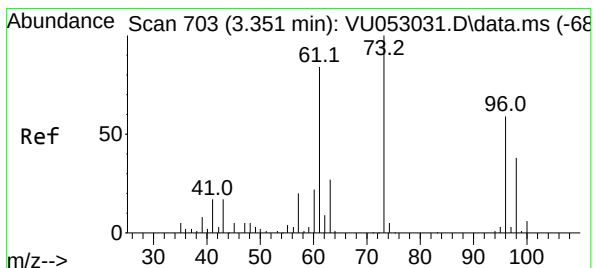
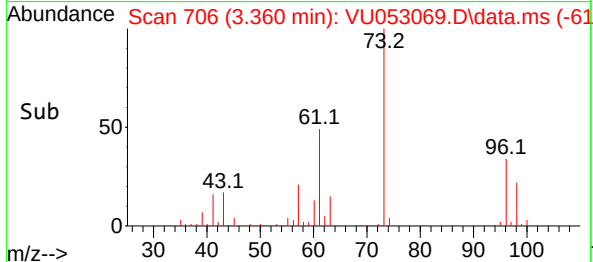
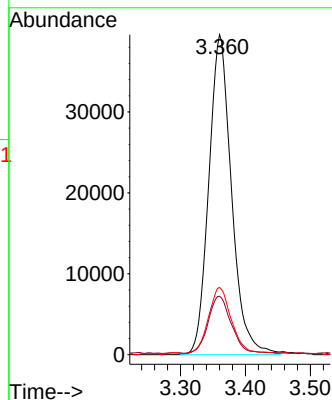
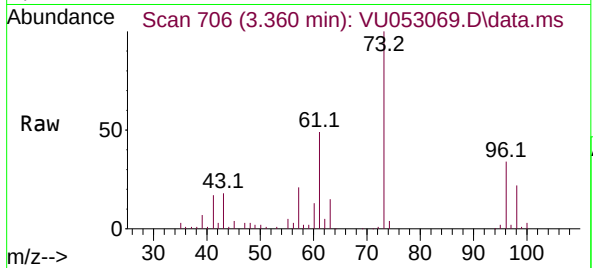




#17
Methyl tert-butyl Ether
Concen: 4.980 ug/L
RT: 3.360 min Scan# 706
Delta R.T. -0.003 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

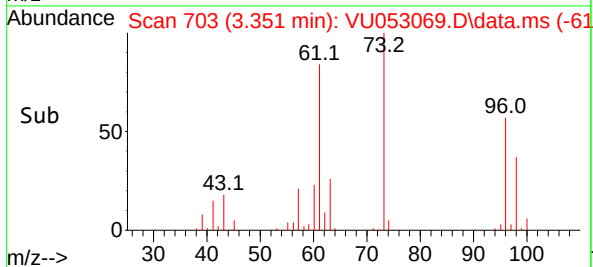
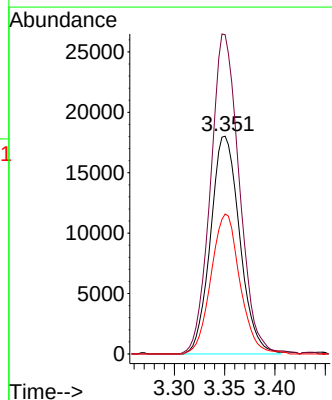
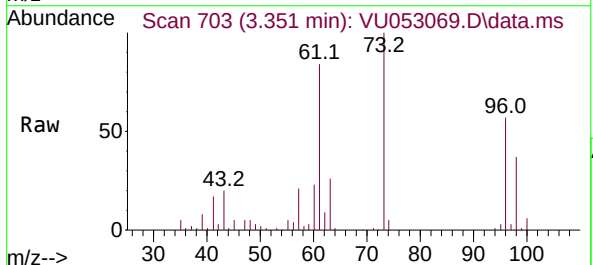
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

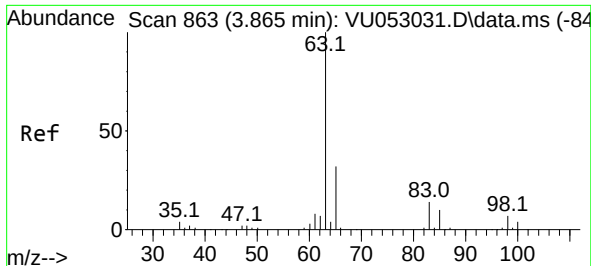
Tgt Ion: 73 Resp: 96112
Ion Ratio Lower Upper
73 100
43 18.0 14.6 21.8
57 21.0 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.831 ug/L
RT: 3.351 min Scan# 703
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion: 96 Resp: 36338
Ion Ratio Lower Upper
96 100
61 146.6 99.5 184.9
98 64.3 44.8 83.2





#19

1,1-Dichloroethane

Concen: 5.079 ug/L

RT: 3.865 min Scan# 863

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

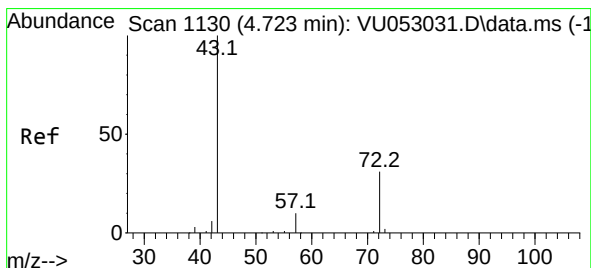
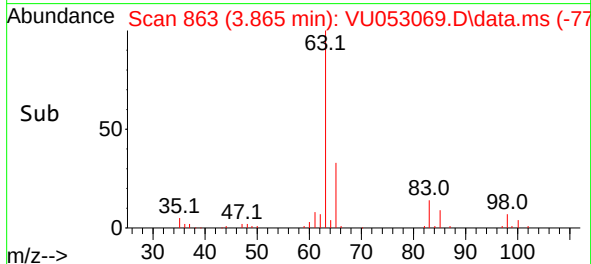
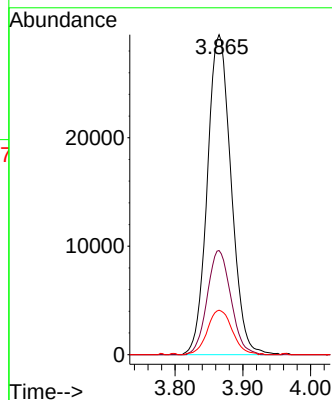
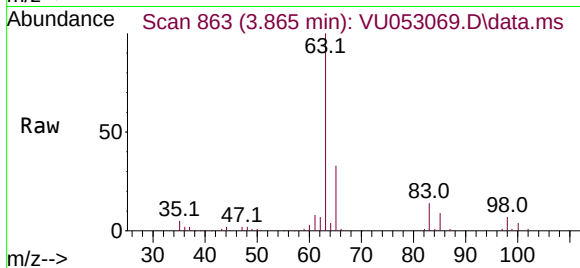
Tgt Ion: 63 Resp: 71943

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.3

83 13.9 9.8 18.2



#21

2-Butanone

Concen: 48.323 ug/L

RT: 4.723 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU053069.D

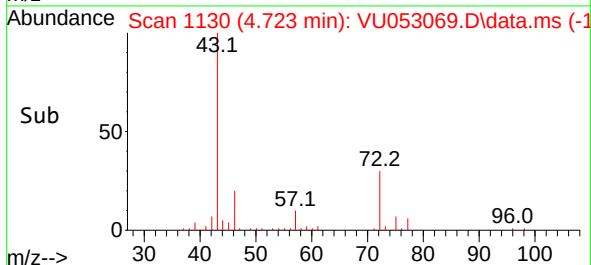
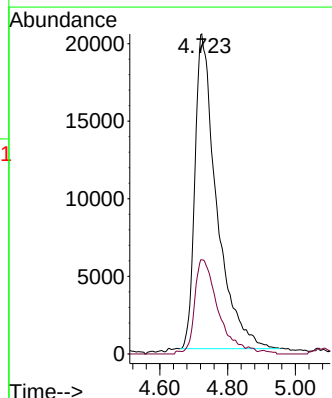
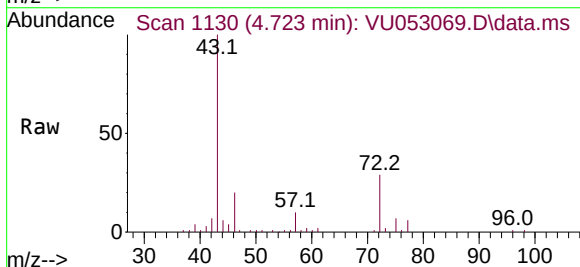
Acq: 13 Feb 2023 10:02

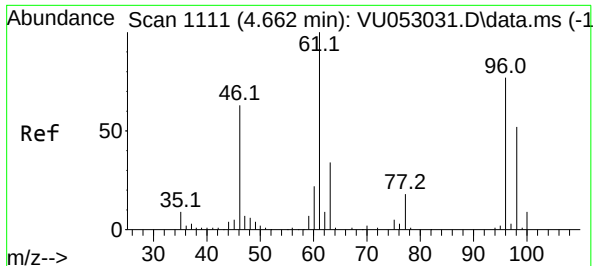
Tgt Ion: 43 Resp: 90335

Ion Ratio Lower Upper

43 100

72 31.5 14.5 43.5



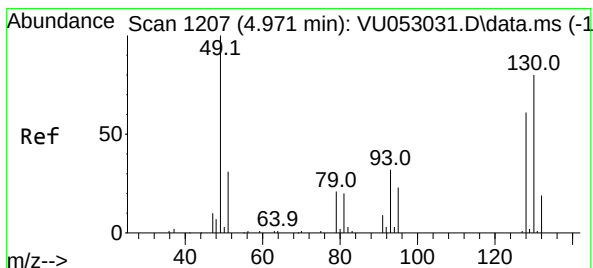
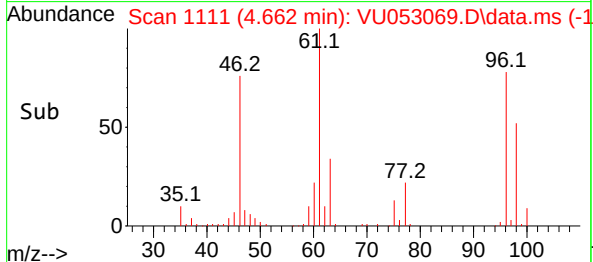
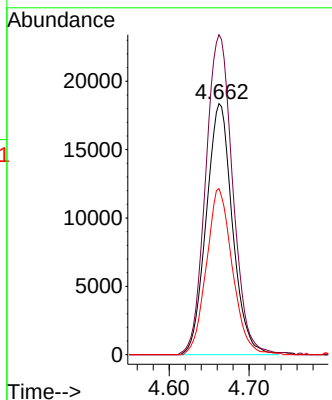
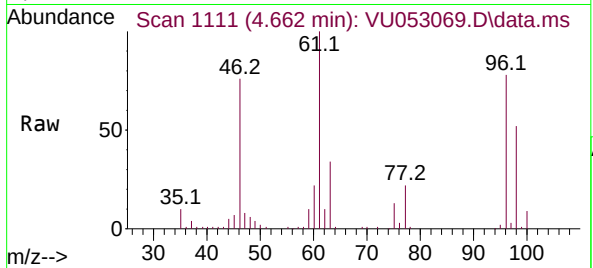


#22
 cis-1,2-Dichloroethene
 Concen: 4.932 ug/L
 RT: 4.662 min Scan# 1111
 Delta R.T. 0.000 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005139

Tgt Ion: 96 Resp: 41867

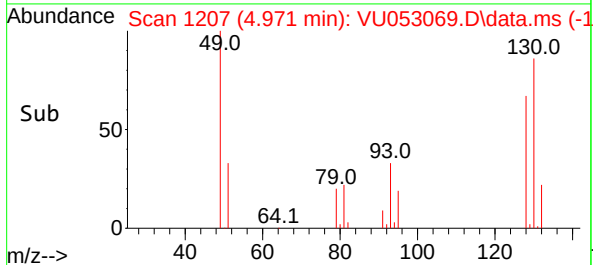
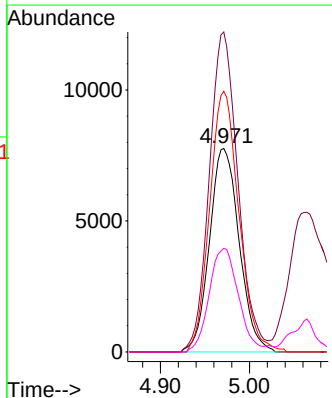
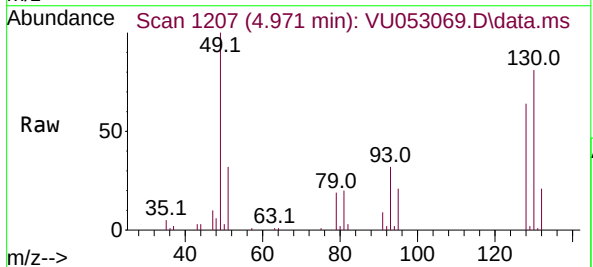
Ion	Ratio	Lower	Upper
96	100		
61	127.4	90.9	168.9
98	66.1	47.0	87.4

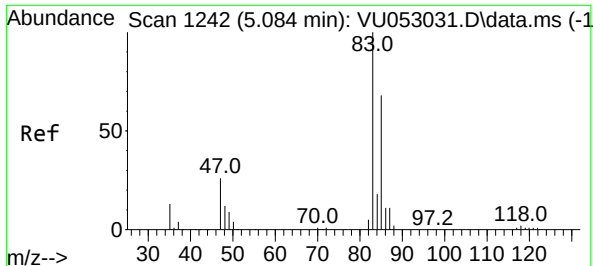


#23
 Bromochloromethane
 Concen: 5.358 ug/L
 RT: 4.971 min Scan# 1207
 Delta R.T. 0.000 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

Tgt Ion: 128 Resp: 18013

Ion	Ratio	Lower	Upper
128	100		
49	157.2	114.2	212.0
130	128.1	91.6	170.2
51	50.9	39.9	59.9





#25

Chloroform

Concen: 4.930 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

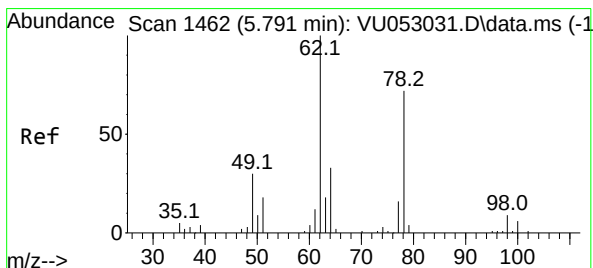
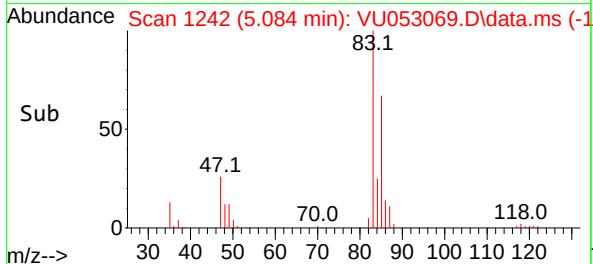
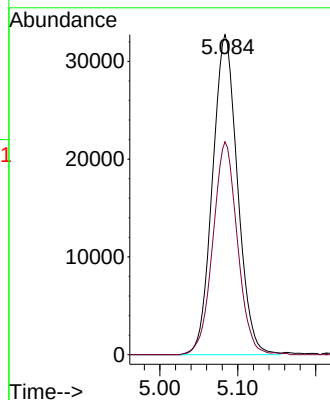
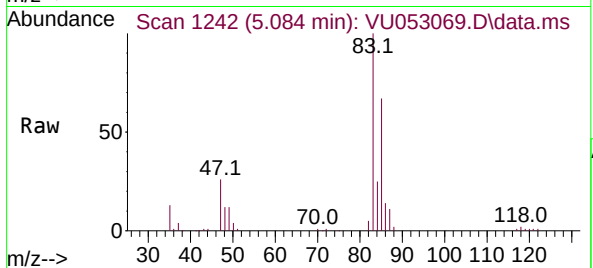
VSTD005139

Tgt Ion: 83 Resp: 73007

Ion Ratio Lower Upper

83 100

85 66.5 47.7 88.5



#27

1,2-Dichloroethane

Concen: 5.112 ug/L

RT: 5.791 min Scan# 1462

Delta R.T. 0.000 min

Lab File: VU053069.D

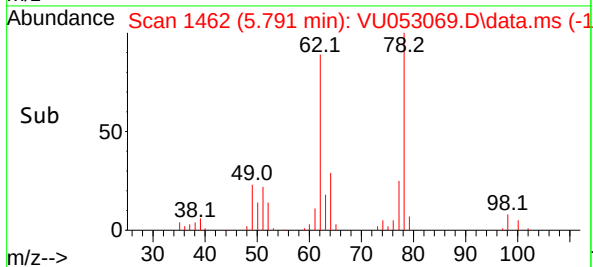
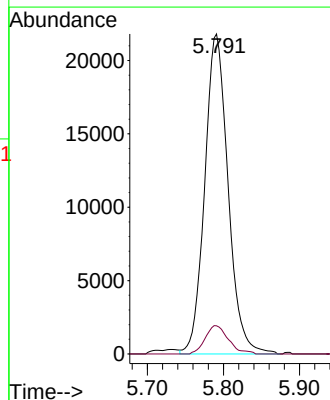
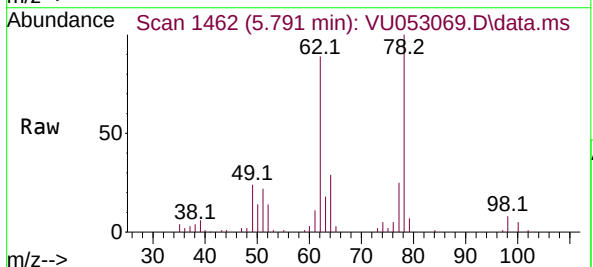
Acq: 13 Feb 2023 10:02

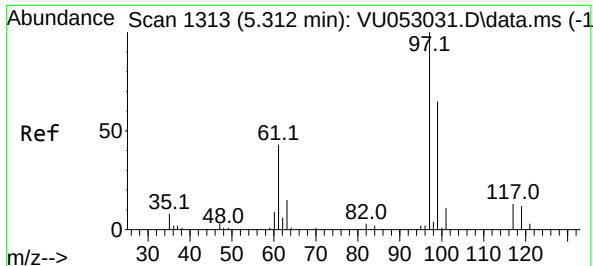
Tgt Ion: 62 Resp: 46539

Ion Ratio Lower Upper

62 100

98 8.8 7.1 10.7

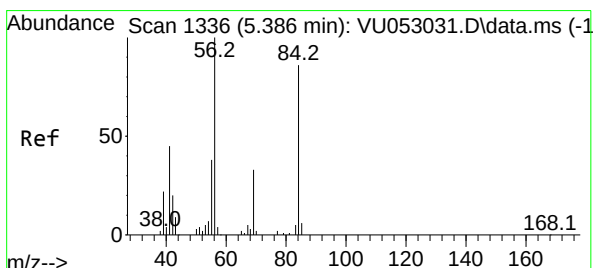
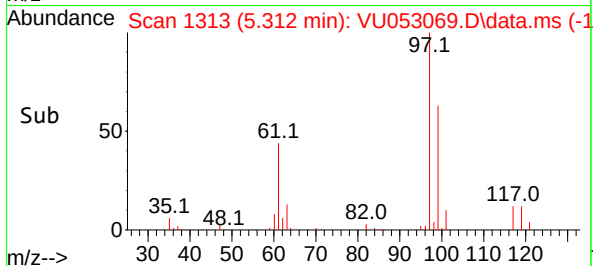
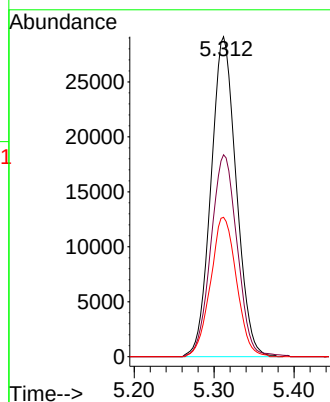
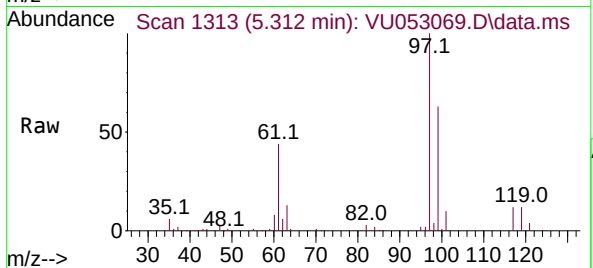




#29
1,1,1-Trichloroethane
Concen: 5.052 ug/L
RT: 5.312 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

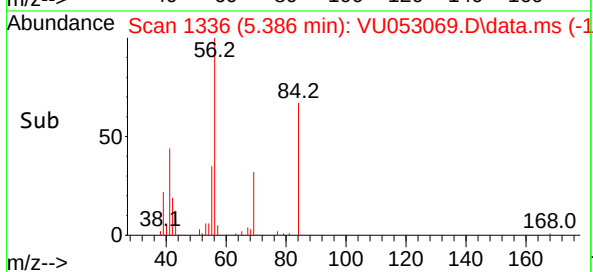
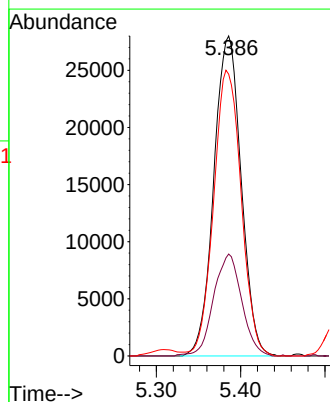
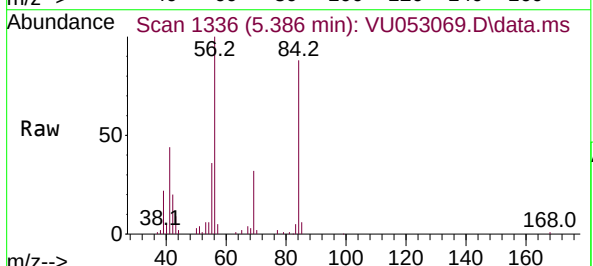
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

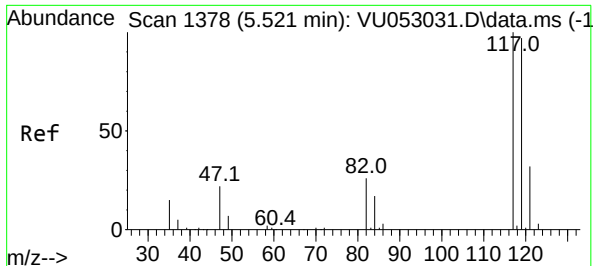
Tgt Ion:	97	Resp:	63838
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.6
61	44.8	34.2	51.4



#30
Cyclohexane
Concen: 4.987 ug/L
RT: 5.386 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion:	56	Resp:	63017
Ion	Ratio	Lower	Upper
56	100		
69	32.8	27.0	40.6
84	90.4	70.8	106.2

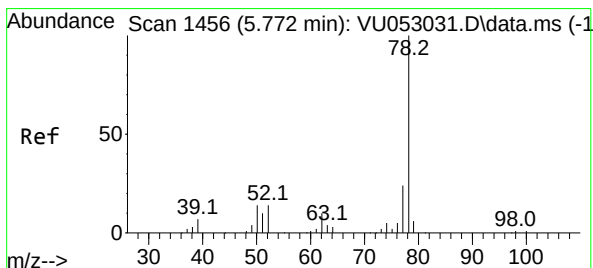
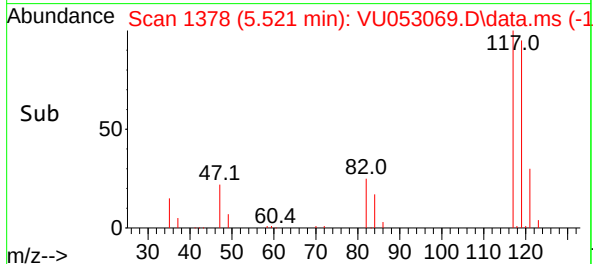
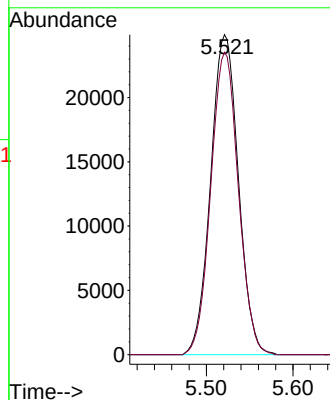
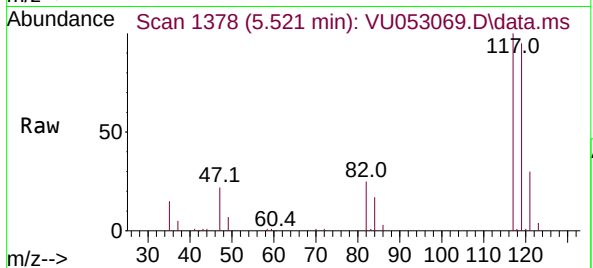




#31
Carbon tetrachloride
Concen: 5.249 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

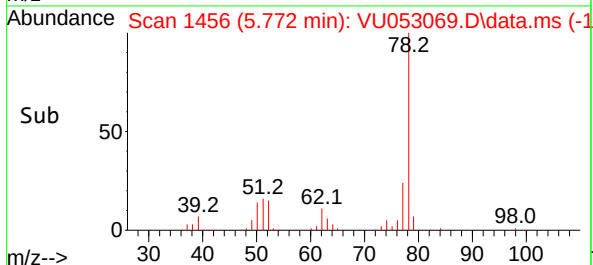
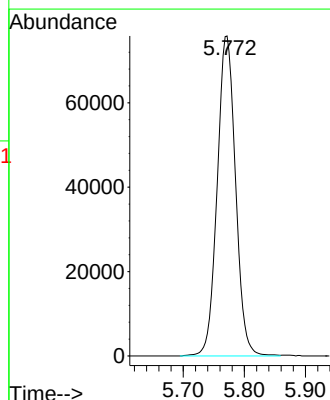
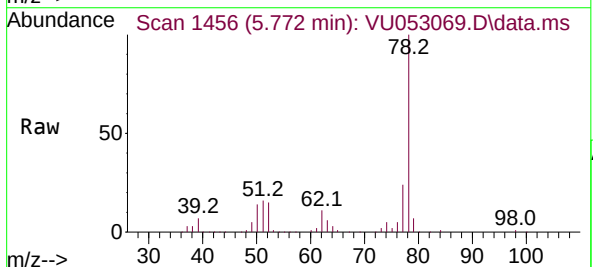
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

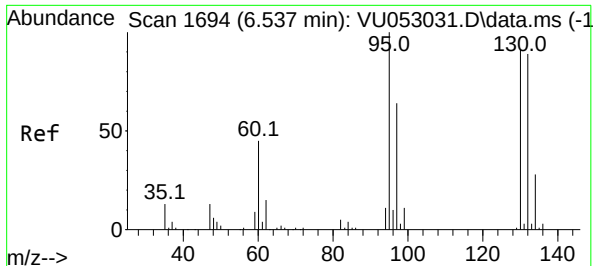
Tgt Ion:117 Resp: 55363
Ion Ratio Lower Upper
117 100
119 94.0 75.4 113.0



#33
Benzene
Concen: 5.185 ug/L
RT: 5.772 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion: 78 Resp: 158053

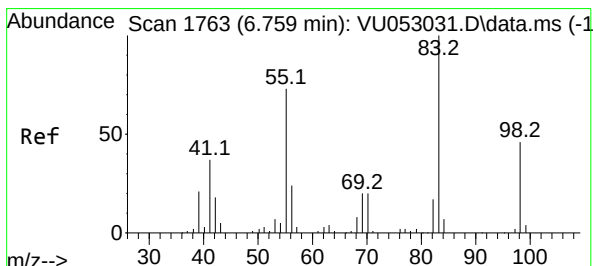
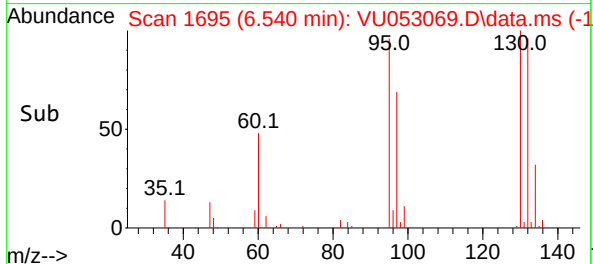
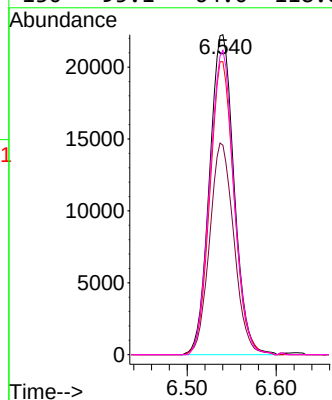
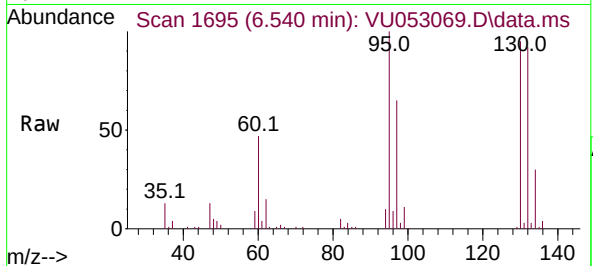




#34
Trichloroethene
Concen: 4.981 ug/L
RT: 6.540 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

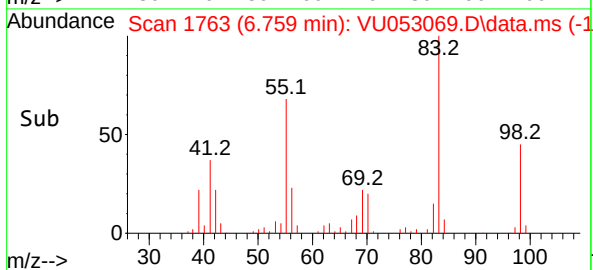
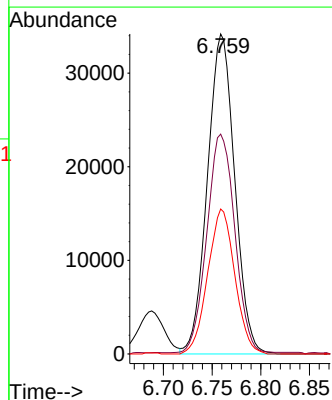
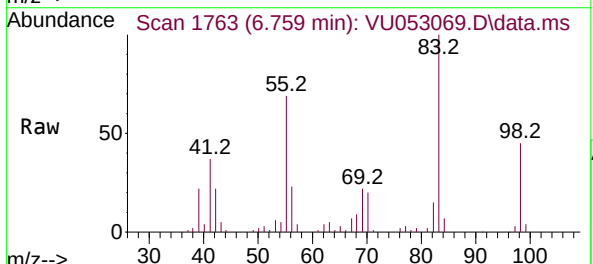
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

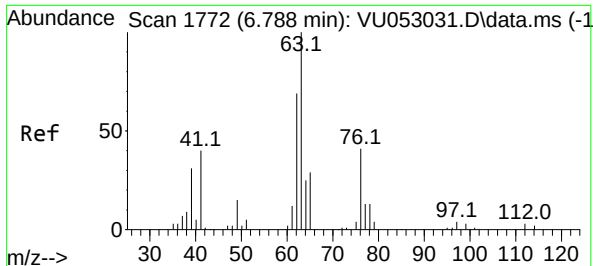
Tgt Ion: 95 Resp: 42718
Ion Ratio Lower Upper
95 100
97 65.4 44.7 82.9
132 91.6 62.3 115.7
130 95.1 64.0 118.8



#35
Methylcyclohexane
Concen: 4.798 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion: 83 Resp: 66629
Ion Ratio Lower Upper
83 100
55 69.8 57.9 86.9
98 44.9 36.4 54.6





#37

1,2-Dichloropropane

Concen: 5.165 ug/L

RT: 6.788 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

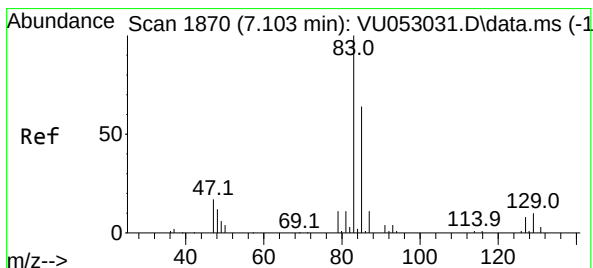
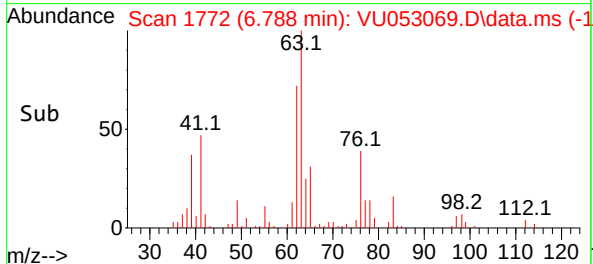
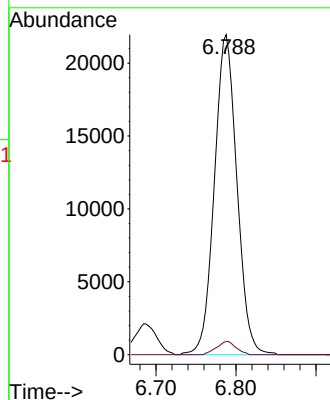
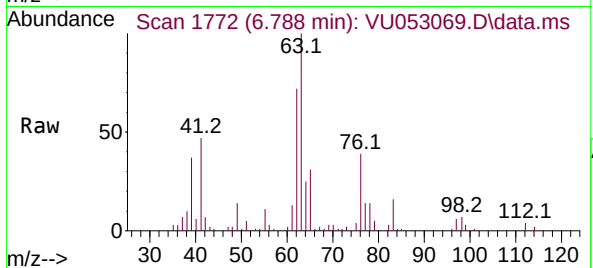
VSTD005139

Tgt Ion: 63 Resp: 42871

Ion Ratio Lower Upper

63 100

112 3.6 2.7 4.1



#38

Bromodichloromethane

Concen: 5.093 ug/L

RT: 7.103 min Scan# 1870

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

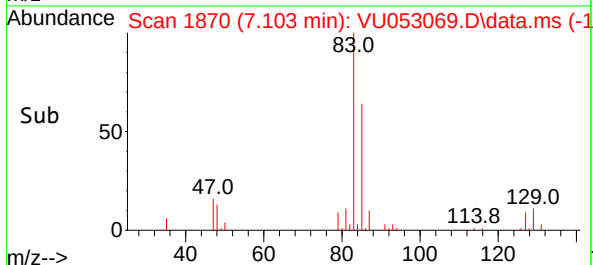
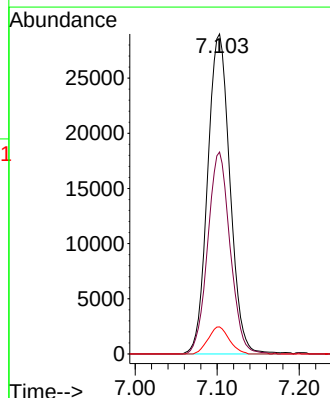
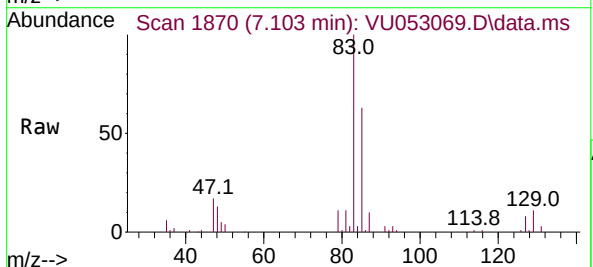
Tgt Ion: 83 Resp: 54819

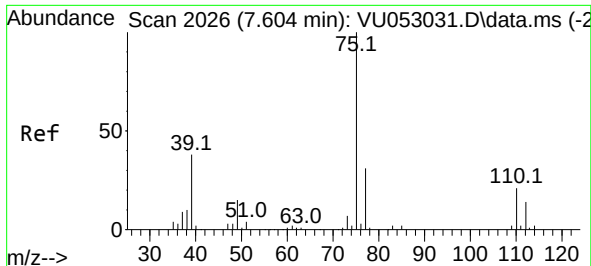
Ion Ratio Lower Upper

83 100

85 63.1 44.7 82.9

127 8.5 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.703 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

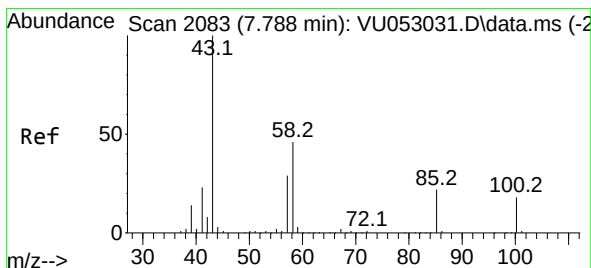
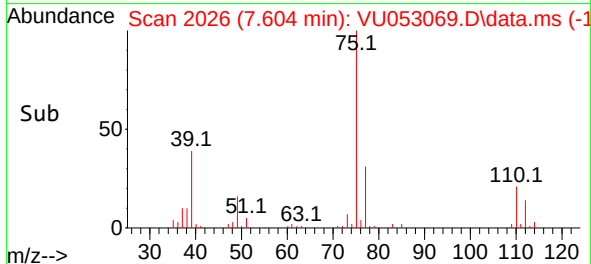
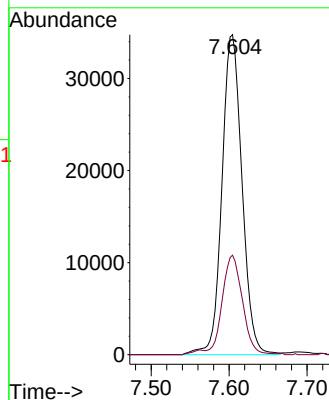
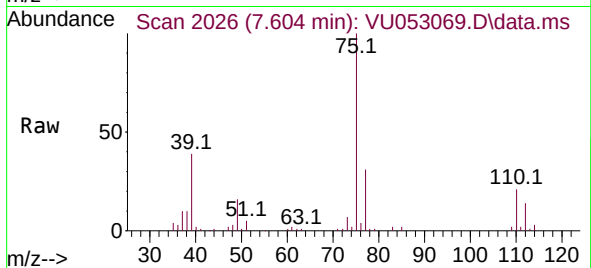
VSTD005139

Tgt Ion: 75 Resp: 62261

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 51.255 ug/L

RT: 7.788 min Scan# 2083

Delta R.T. -0.003 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

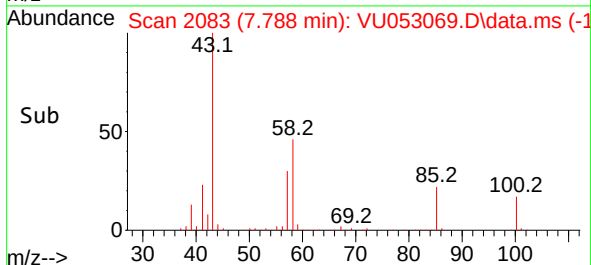
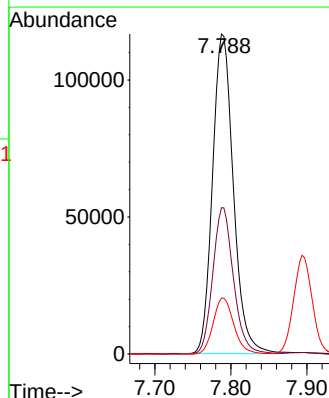
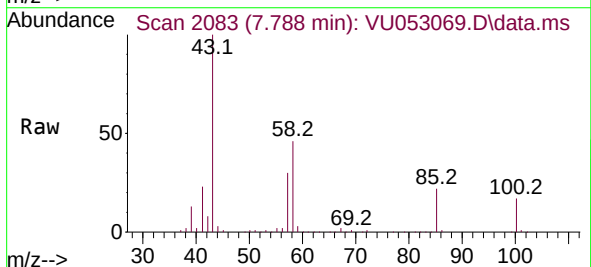
Tgt Ion: 43 Resp: 222081

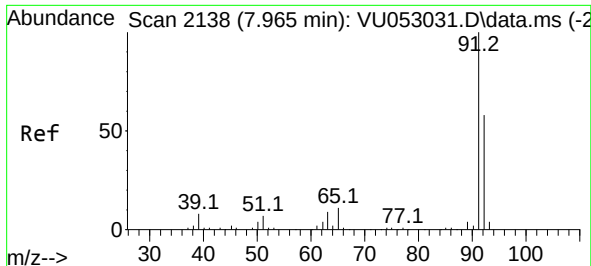
Ion Ratio Lower Upper

43 100

58 45.4 35.9 53.9

100 17.3 13.8 20.6





#42

Toluene

Concen: 5.196 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

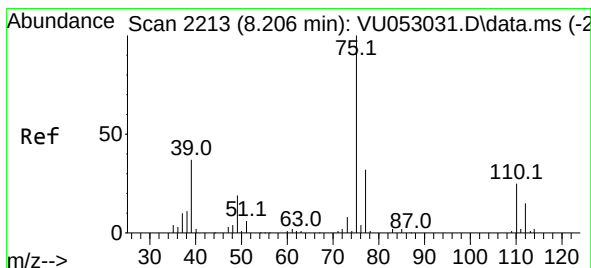
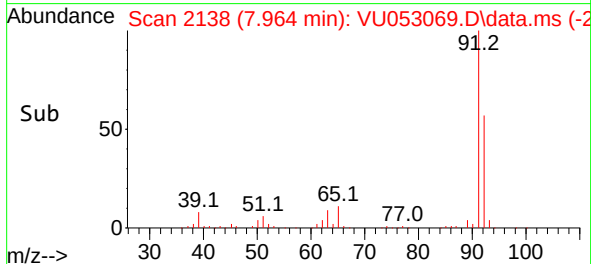
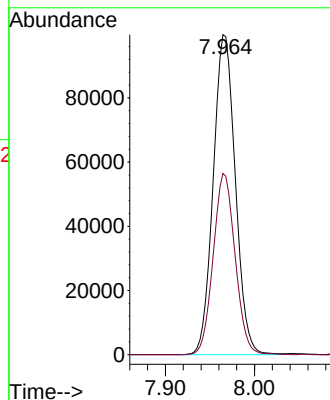
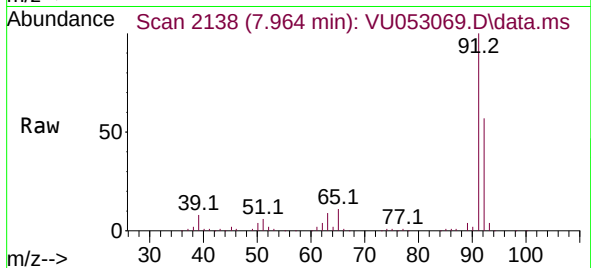
VSTD005139

Tgt Ion: 91 Resp: 172040

Ion Ratio Lower Upper

91 100

92 56.6 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.700 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU053069.D

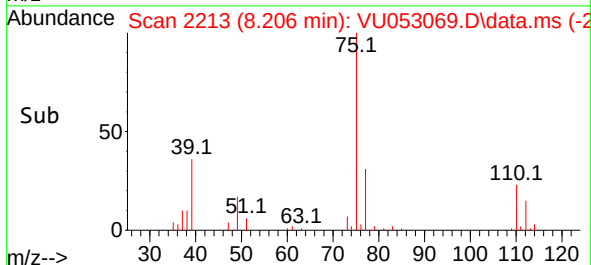
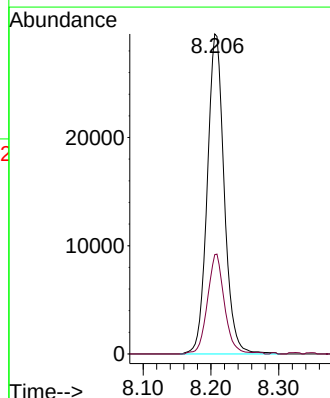
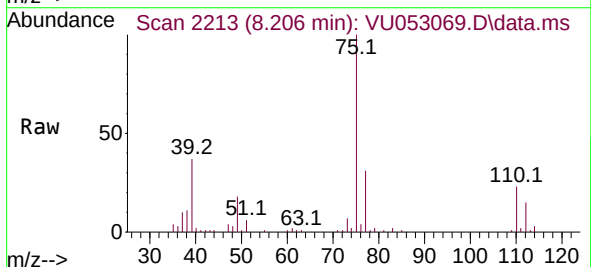
Acq: 13 Feb 2023 10:02

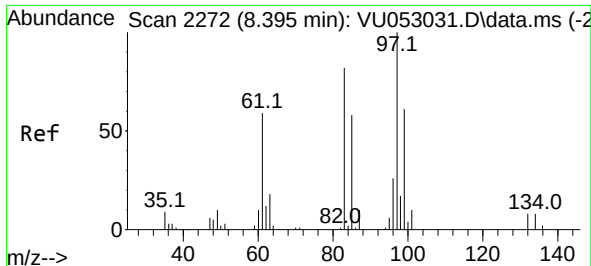
Tgt Ion: 75 Resp: 51331

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3



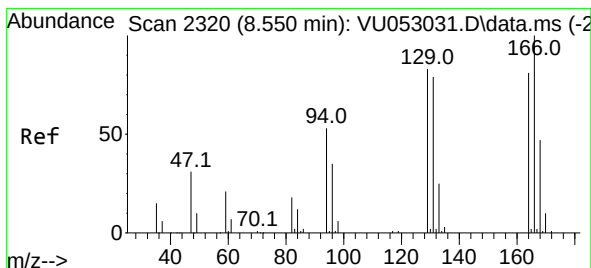
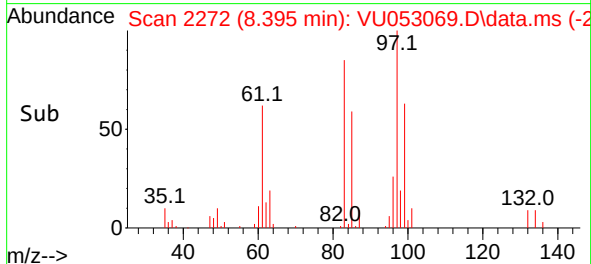
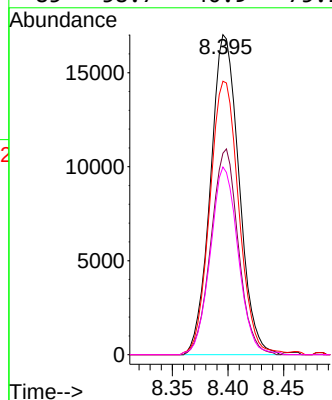
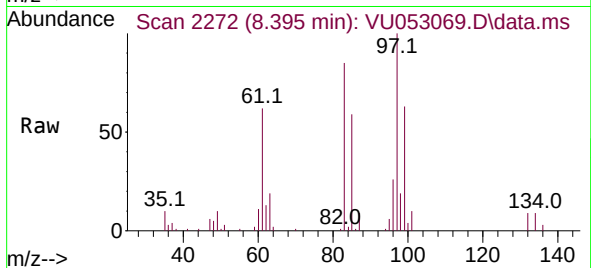


#45
1,1,2-Trichloroethane
Concen: 5.076 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

Tgt Ion: 97 Resp: 30357

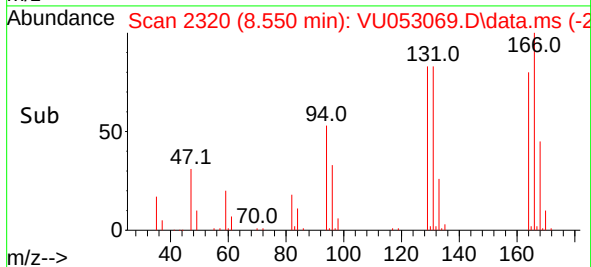
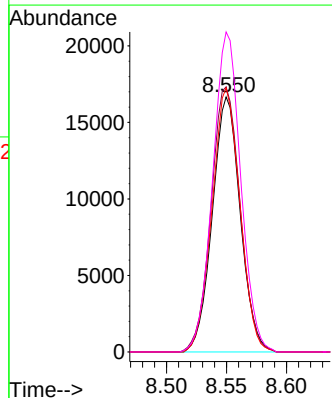
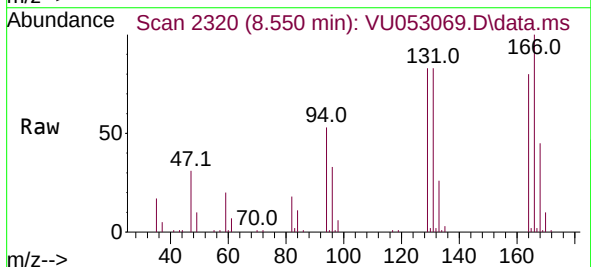
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.0	79.8
83	85.4	58.0	107.8
85	58.7	40.9	75.9

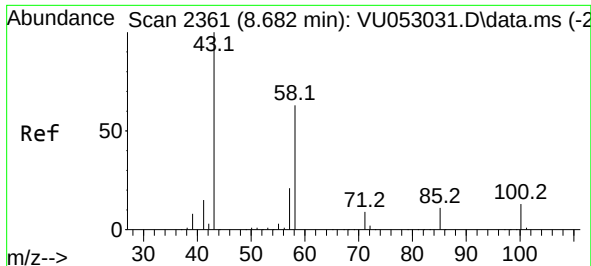


#47
Tetrachloroethene
Concen: 4.834 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion: 164 Resp: 26952

Ion	Ratio	Lower	Upper
164	100		
129	103.9	71.7	133.1
131	103.5	67.8	126.0
166	125.4	86.4	160.4

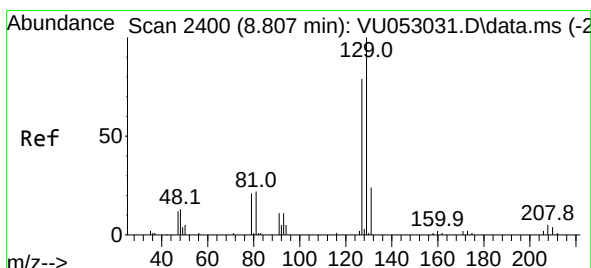
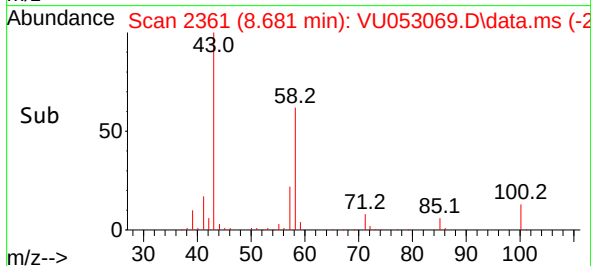
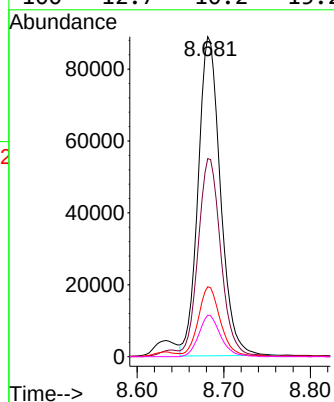
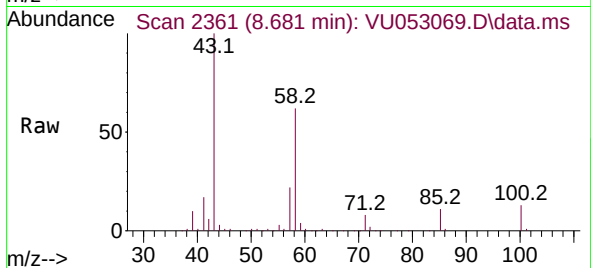




#48
2-Hexanone
Concen: 49.807 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

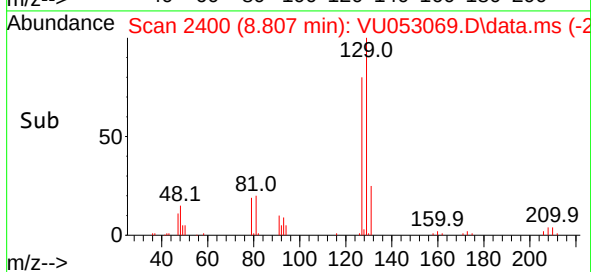
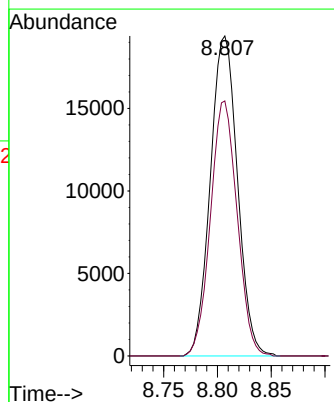
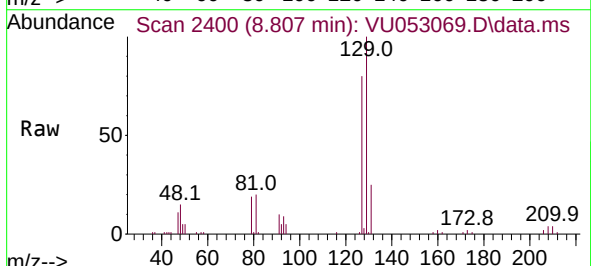
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

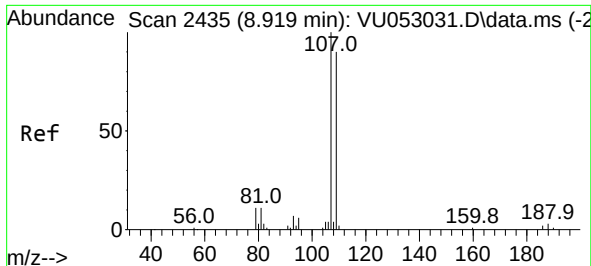
Tgt Ion:	43	Resp:	158390
Ion	Ratio	Lower	Upper
43	100		
58	63.1	50.3	75.5
57	21.1	17.4	26.0
100	12.7	10.2	15.2



#49
Dibromochloromethane
Concen: 5.232 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion:	129	Resp:	34112
Ion	Ratio	Lower	Upper
129	100		
127	79.7	54.9	102.1

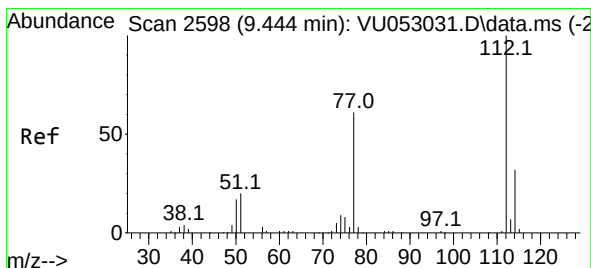
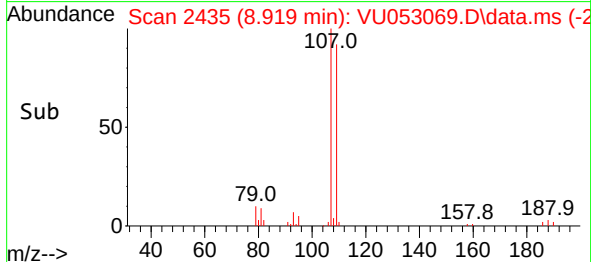
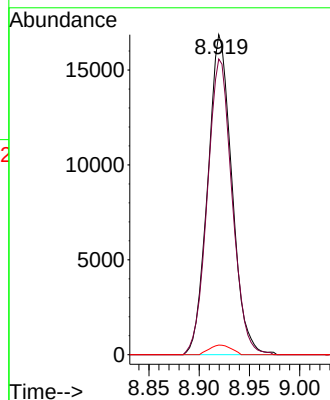
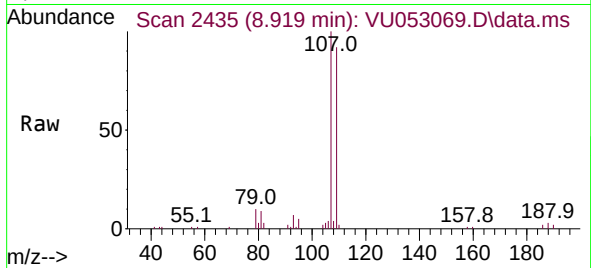




#50
1,2-Dibromoethane
Concen: 5.112 ug/L
RT: 8.919 min Scan# 2435
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

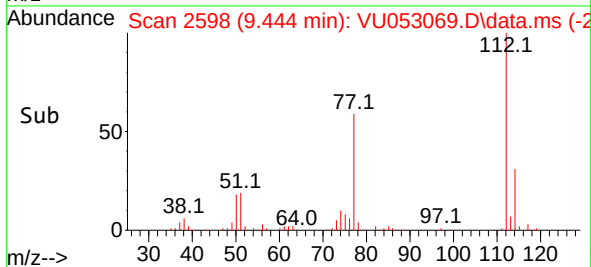
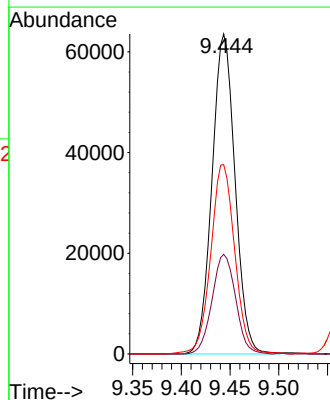
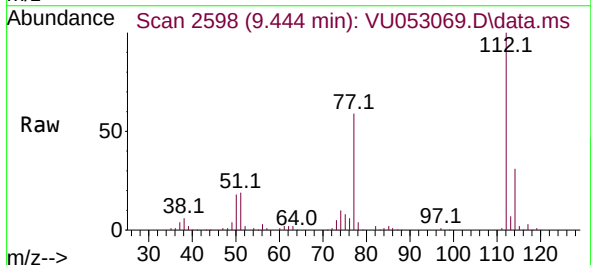
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

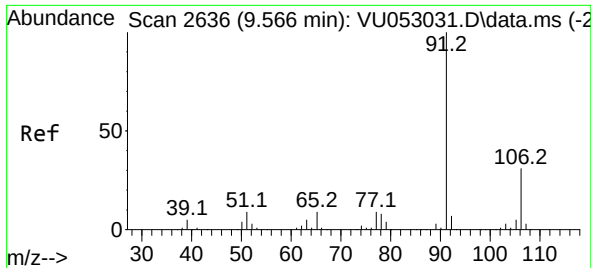
Tgt Ion:	107	Resp:	28205
Ion Ratio	Lower	Upper	
107	100		
109	92.4	63.1	117.1
188	3.0	2.5	3.7



#51
Chlorobenzene
Concen: 5.062 ug/L
RT: 9.444 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion:	112	Resp:	104553
Ion Ratio	Lower	Upper	
112	100		
114	31.1	22.3	41.3
77	59.2	48.9	73.3

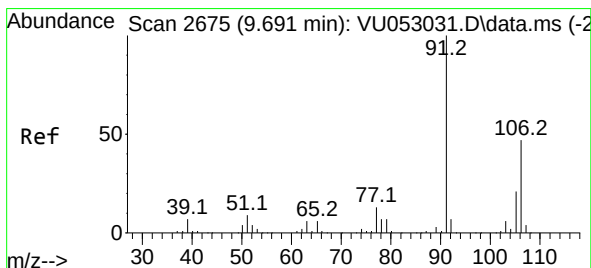
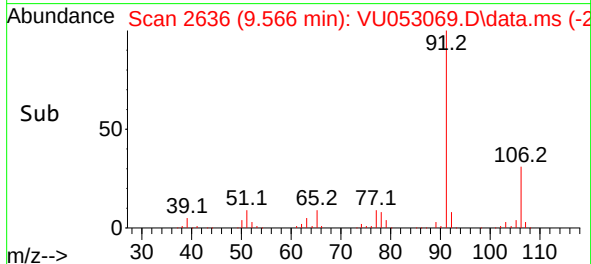
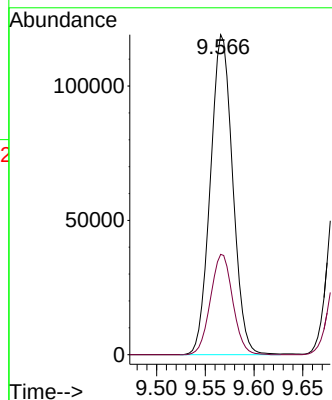
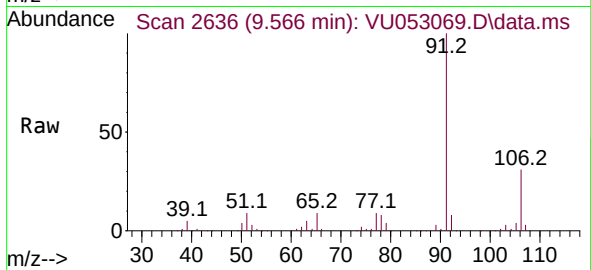




#52
Ethylbenzene
Concen: 5.047 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

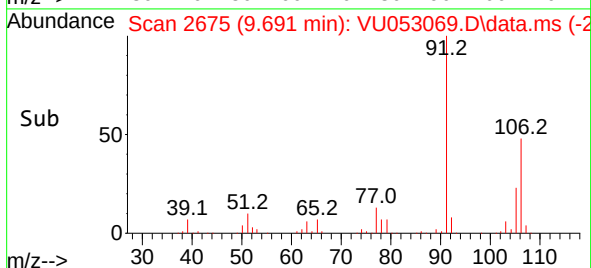
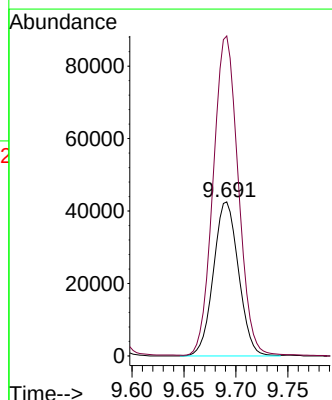
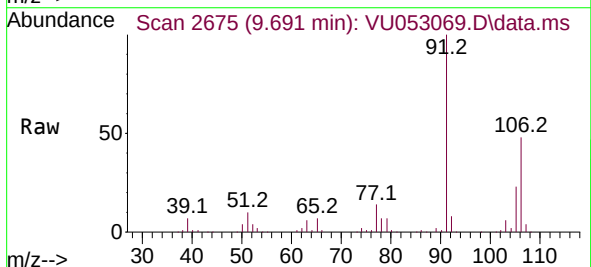
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

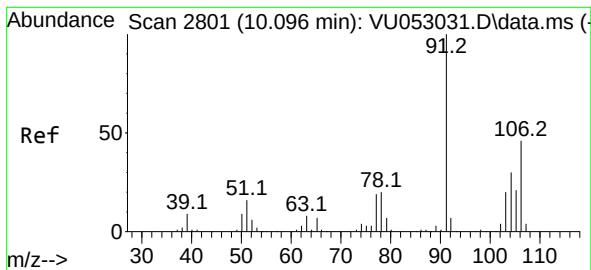
Tgt Ion: 91 Resp: 189640
Ion Ratio Lower Upper
91 100
106 31.4 21.4 39.8



#53
m,p-Xylene
Concen: 5.087 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion: 106 Resp: 71474
Ion Ratio Lower Upper
106 100
91 207.7 149.9 278.3





#54

o-Xylene

Concen: 5.117 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

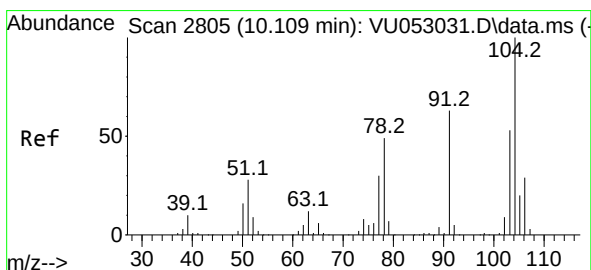
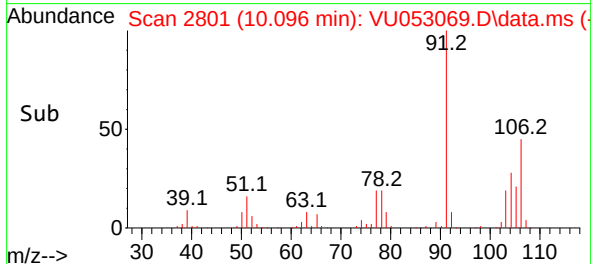
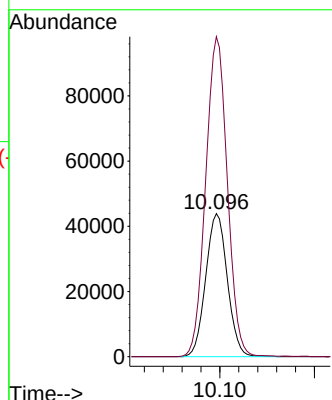
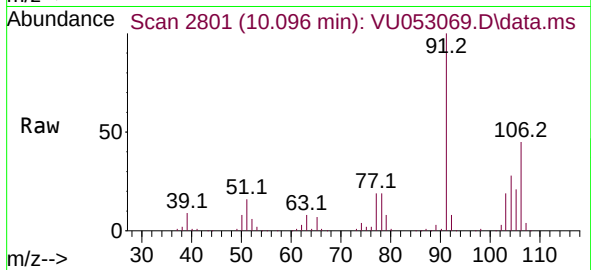
VSTD005139

Tgt Ion:106 Resp: 69690

Ion Ratio Lower Upper

106 100

91 223.8 153.6 285.2



#55

Styrene

Concen: 5.199 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. -0.003 min

Lab File: VU053069.D

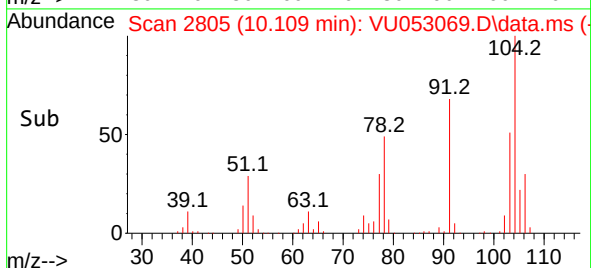
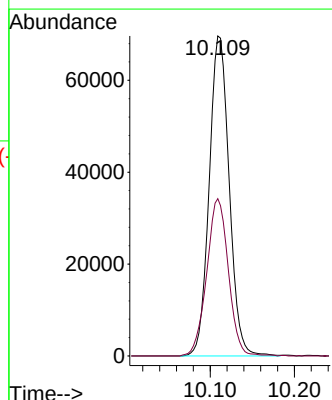
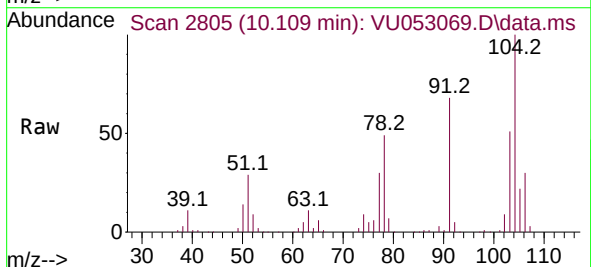
Acq: 13 Feb 2023 10:02

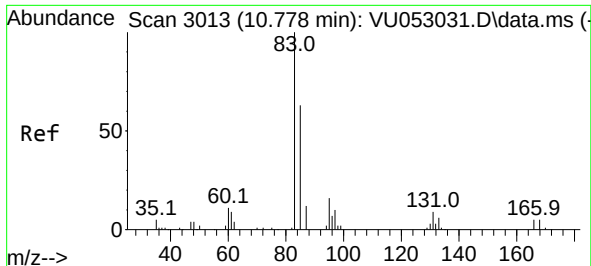
Tgt Ion:104 Resp: 114876

Ion Ratio Lower Upper

104 100

78 49.2 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.026 ug/L

RT: 10.778 min Scan# 3013

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

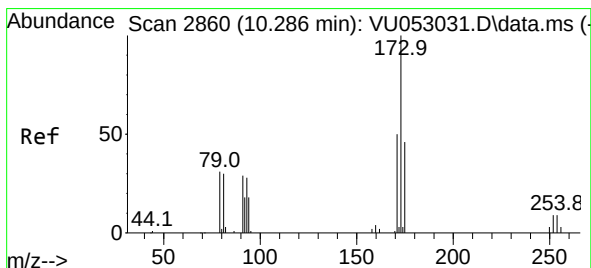
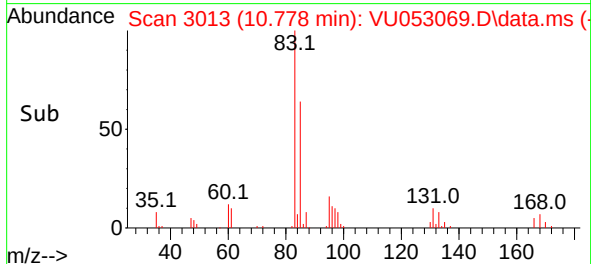
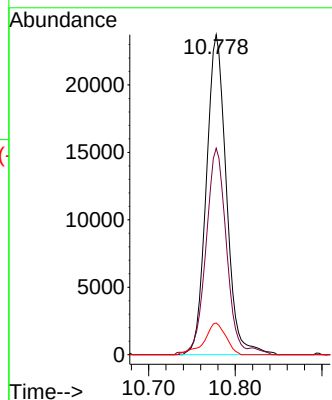
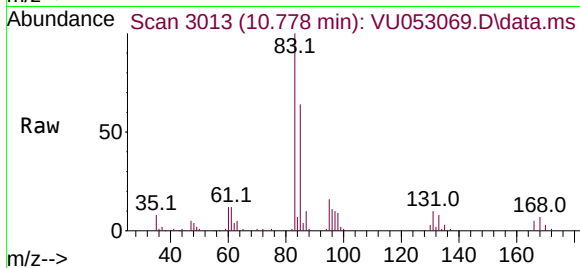
Tgt Ion: 83 Resp: 38032

Ion Ratio Lower Upper

83 100

85 64.5 44.7 82.9

131 9.9 7.8 11.6



#59

Bromoform

Concen: 5.364 ug/L

RT: 10.286 min Scan# 2860

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

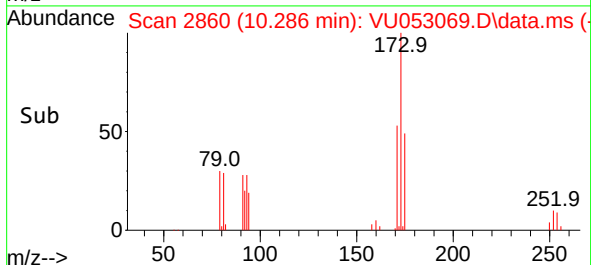
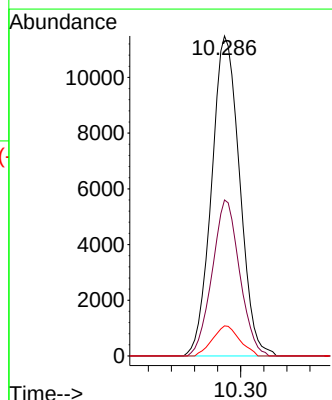
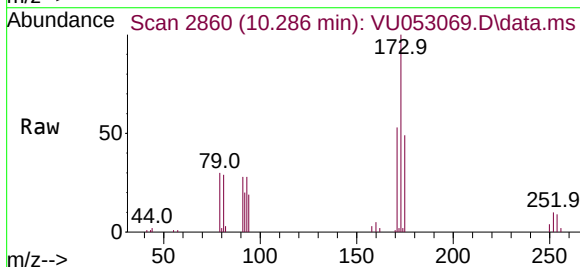
Tgt Ion:173 Resp: 19322

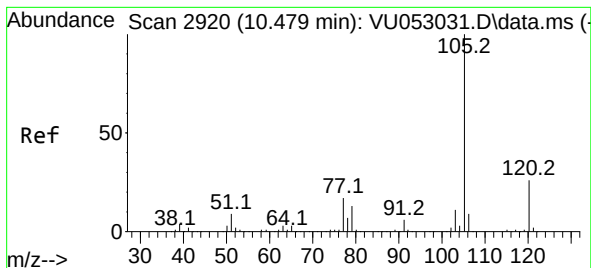
Ion Ratio Lower Upper

173 100

175 47.7 38.9 58.3

254 9.1 7.0 10.4





#60

Isopropylbenzene

Concen: 5.280 ug/L

RT: 10.479 min Scan# 2920

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

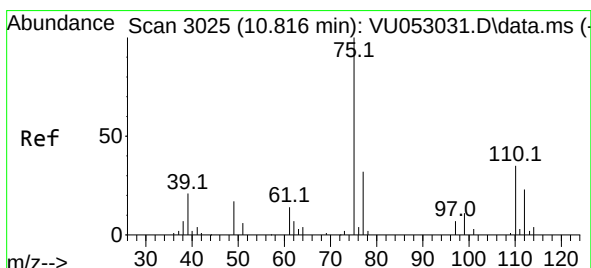
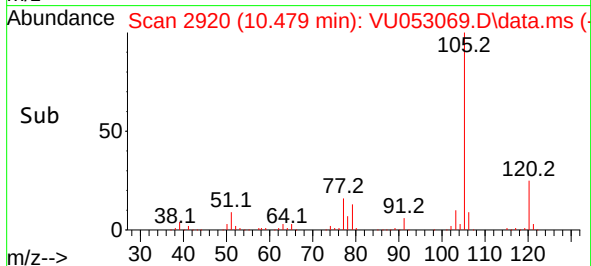
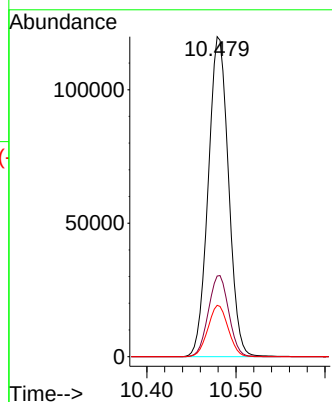
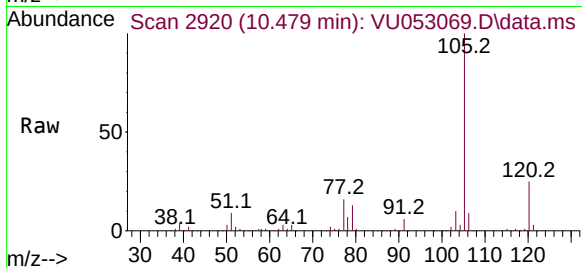
Tgt Ion:105 Resp: 189322

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0

77 16.0 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 5.555 ug/L

RT: 10.816 min Scan# 3025

Delta R.T. -0.003 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

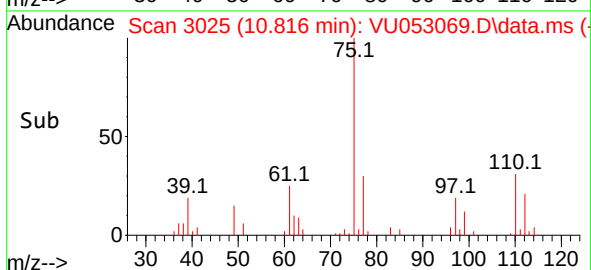
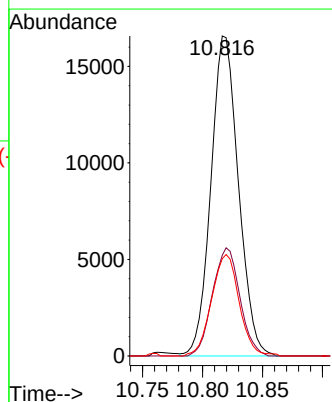
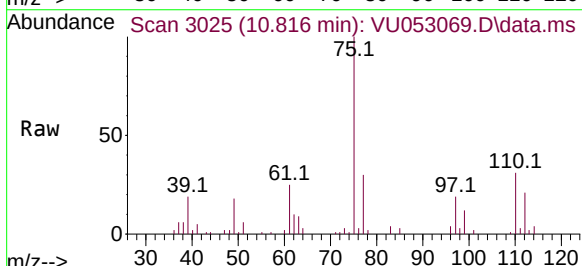
Tgt Ion: 75 Resp: 26433

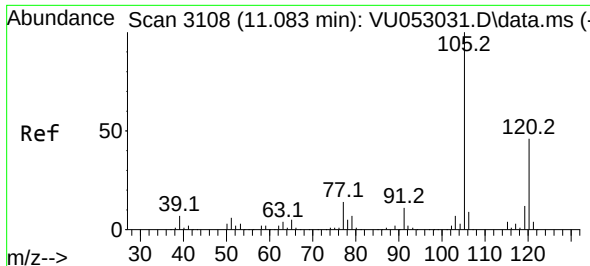
Ion Ratio Lower Upper

75 100

110 33.6 28.6 42.8

77 31.8 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 5.219 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

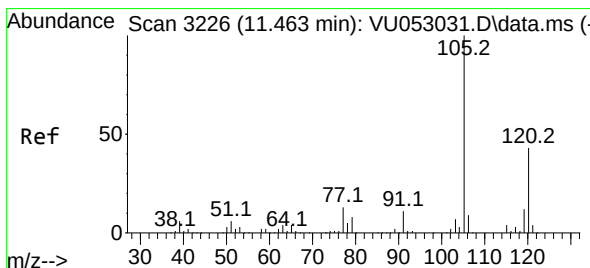
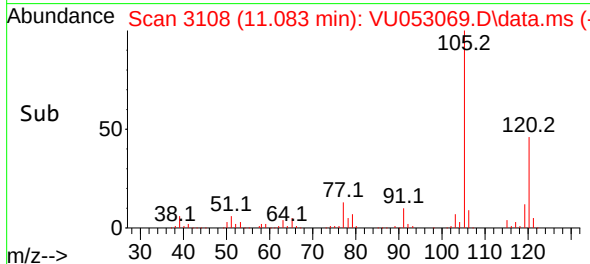
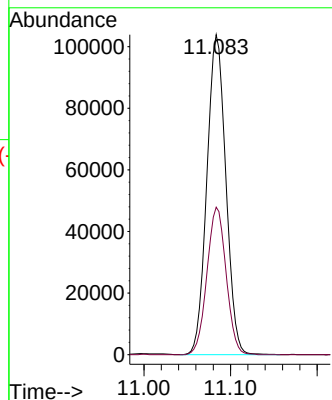
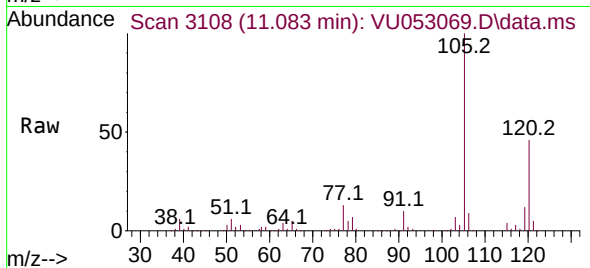
VSTD005139

Tgt Ion:105 Resp: 158011

Ion Ratio Lower Upper

105 100

120 46.6 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 5.281 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. 0.000 min

Lab File: VU053069.D

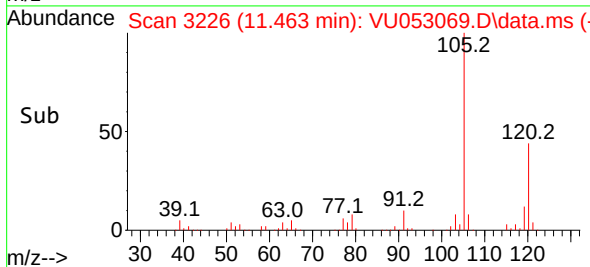
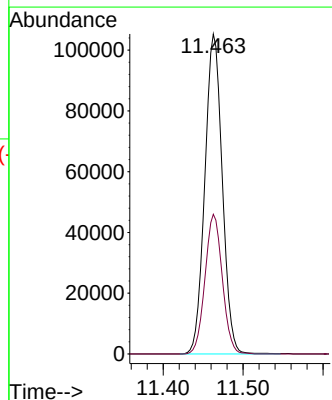
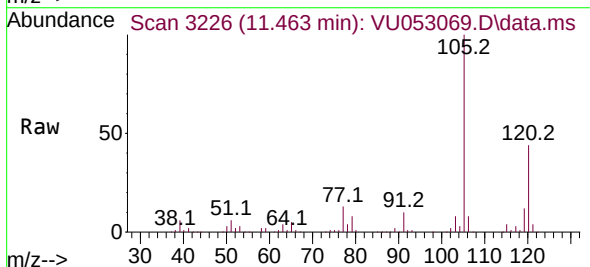
Acq: 13 Feb 2023 10:02

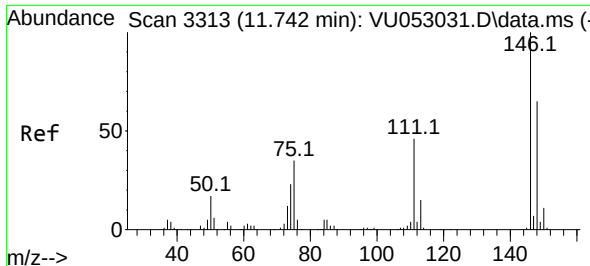
Tgt Ion:105 Resp: 160048

Ion Ratio Lower Upper

105 100

120 43.2 34.7 52.1

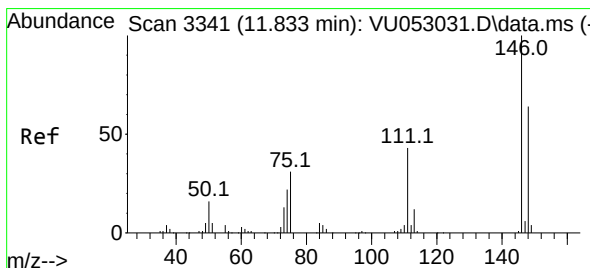
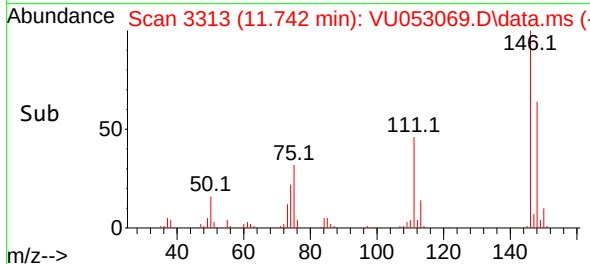
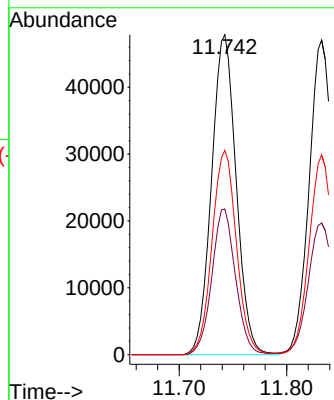
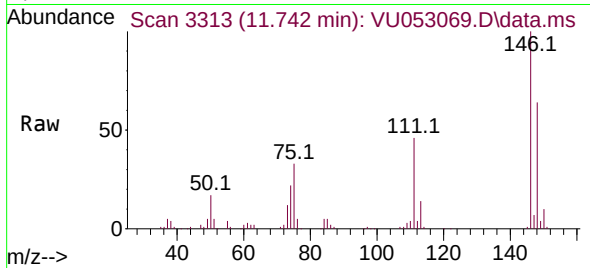




#64
1,3-Dichlorobenzene
Concen: 5.243 ug/L
RT: 11.742 min Scan# 3313
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

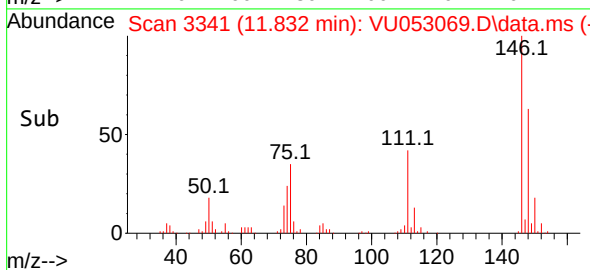
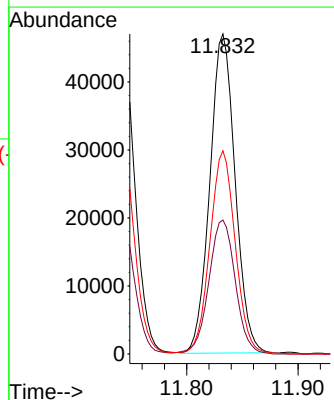
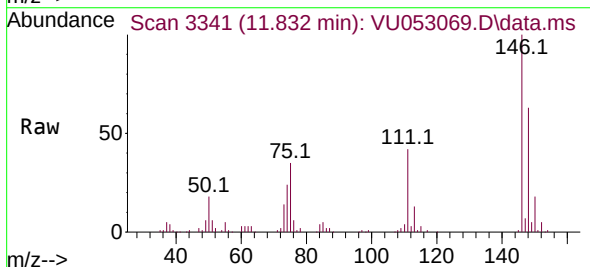
Instrument :
MSVOA_U
ClientSampleId :
VSTD005139

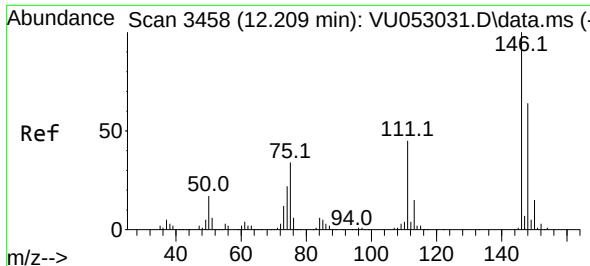
Tgt Ion:146 Resp: 76125
Ion Ratio Lower Upper
146 100
111 45.6 32.0 59.4
148 63.8 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 5.083 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VU053069.D
Acq: 13 Feb 2023 10:02

Tgt Ion:146 Resp: 73948
Ion Ratio Lower Upper
146 100
111 41.8 30.3 56.3
148 63.5 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.202 ug/L

RT: 12.209 min Scan# 3458

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

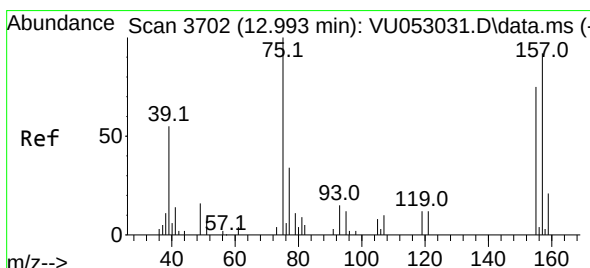
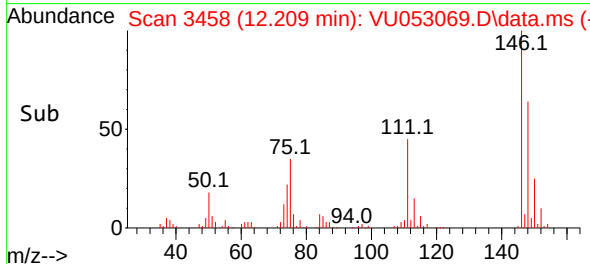
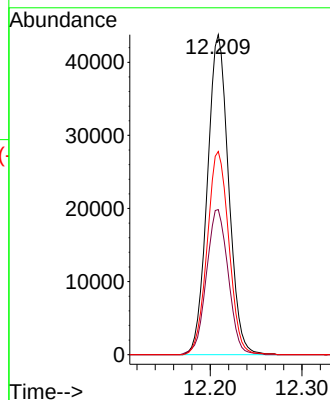
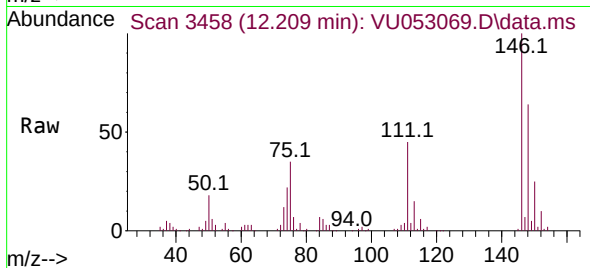
Tgt Ion:146 Resp: 70419

Ion Ratio Lower Upper

146 100

111 45.4 36.3 54.5

148 63.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.856 ug/L

RT: 12.993 min Scan# 3702

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

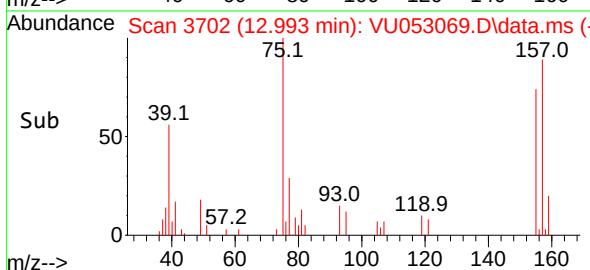
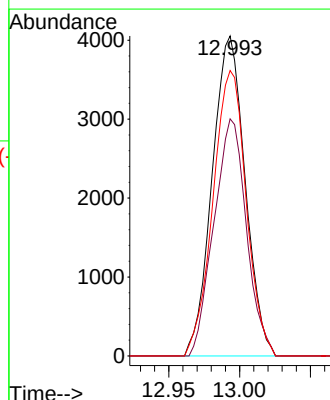
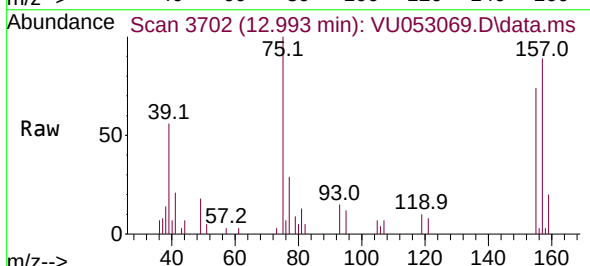
Tgt Ion: 75 Resp: 6549

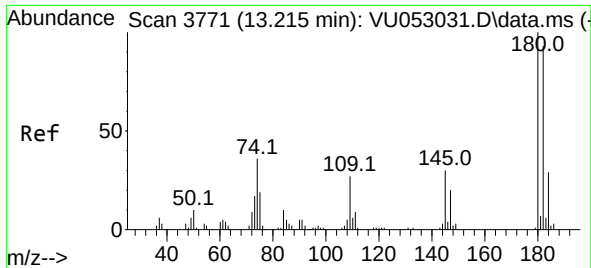
Ion Ratio Lower Upper

75 100

155 74.1 59.8 89.8

157 89.2 73.2 109.8

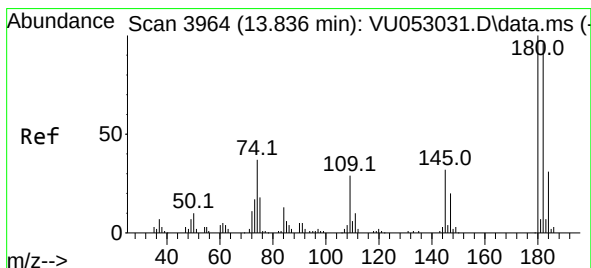
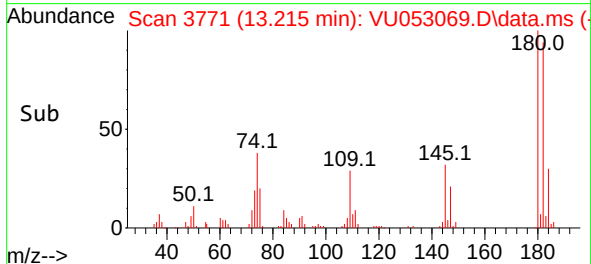
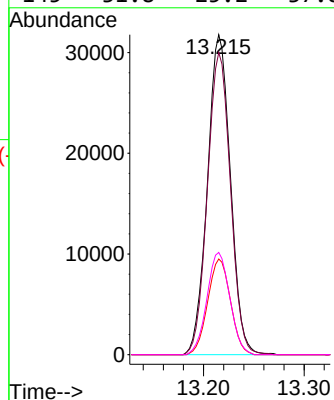
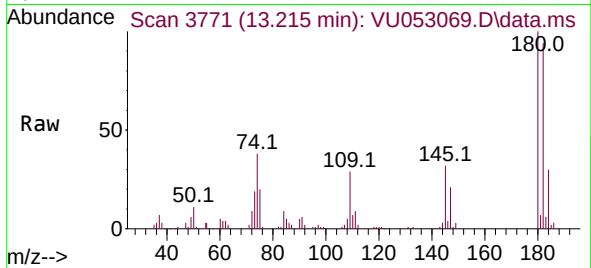




#69
 1,3,5-Trichlorobenzene
 Concen: 4.882 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.000 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

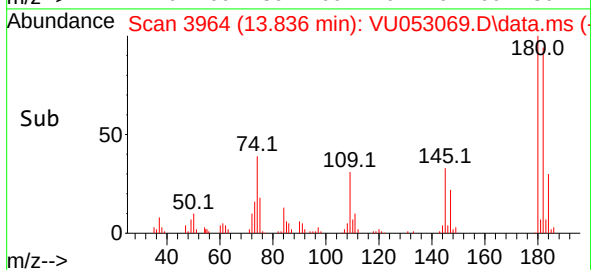
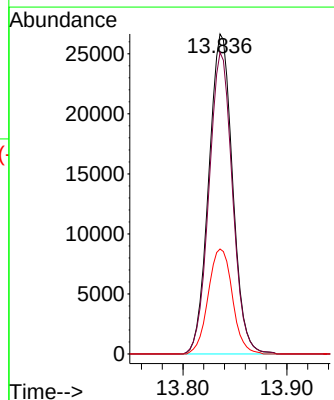
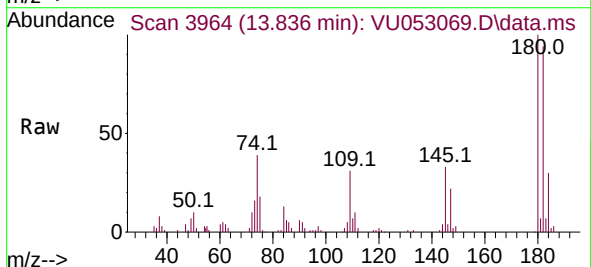
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005139

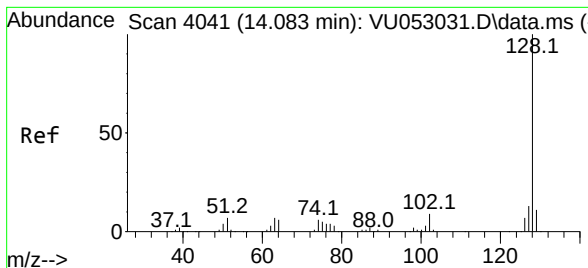
Tgt Ion:180	Resp:	50490
Ion Ratio	Lower	Upper
180	100	
182	94.3	75.4 113.0
184	29.6	23.8 35.6
145	31.8	25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.928 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU053069.D
 Acq: 13 Feb 2023 10:02

Tgt Ion:180	Resp:	42313
Ion Ratio	Lower	Upper
180	100	
182	93.1	74.9 112.3
145	33.4	25.1 37.7





#71

Naphthalene

Concen: 5.084 ug/L

RT: 14.083 min Scan# 4041

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005139

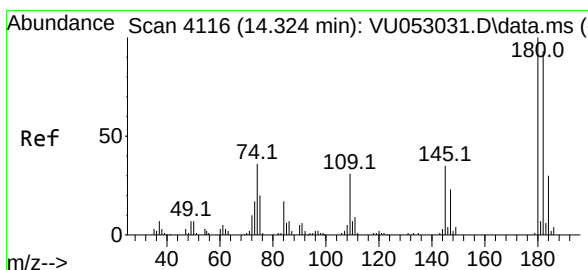
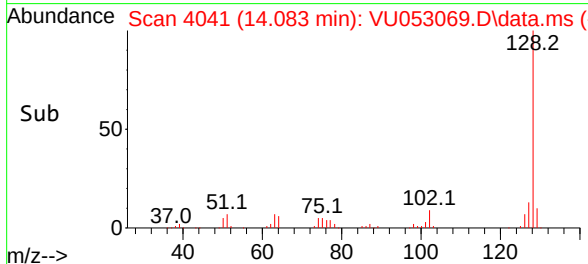
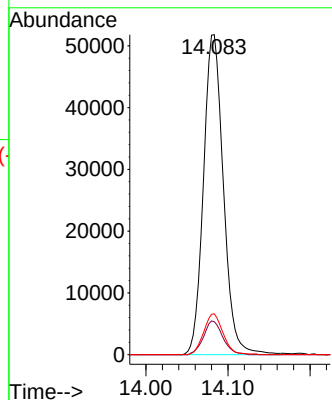
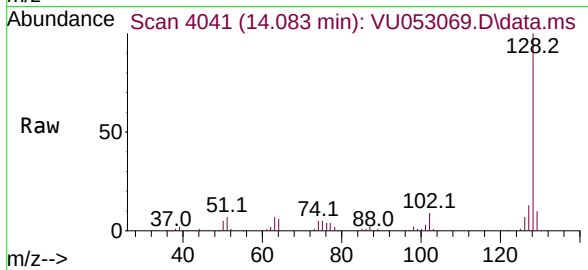
Tgt Ion:128 Resp: 87536

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

127 12.4 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.961 ug/L

RT: 14.324 min Scan# 4116

Delta R.T. 0.000 min

Lab File: VU053069.D

Acq: 13 Feb 2023 10:02

Tgt Ion:180 Resp: 37595

Ion Ratio Lower Upper

180 100

182 97.4 76.2 114.4

145 35.4 28.2 42.2

