

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042623\
 Data File : VU053901.D
 Acq On : 26 Apr 2023 09:35
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005162

Quant Time: Apr 27 05:50:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 26 05:09:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	140053	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	129308	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	68216	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	38172	4.475	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.400%
7) Chloroethane-d5	1.916	69	34085	4.761	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.200%
11) 1,1-Dichloroethene-d2	2.565	65	16363	4.661	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.200%
20) 2-Butanone-d5	4.642	46	79437	50.842	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.680%
24) Chloroform-d	5.060	84	82017	5.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.700	65	36120	4.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.726	84	156600	5.141	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
36) 1,2-Dichloropropane-d6	6.687	67	47346	5.138	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.800%
41) Toluene-d8	7.893	98	145029	5.101	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	8.176	79	17333	4.782	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.632	63	68517	53.419	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.840%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	37139	4.987	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	51744	4.729	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	52489	5.052	ug/L	98
3) Chloromethane	1.520	50	53554	5.308	ug/L	100
5) Vinyl chloride	1.604	62	61216	5.259	ug/L	99
6) Bromomethane	1.861	94	40662	5.367	ug/L	96
8) Chloroethane	1.938	64	38514	5.300	ug/L	99
9) Trichlorofluoromethane	2.141	101	89839	5.227	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	50992	5.105	ug/L	99
12) 1,1-Dichloroethene	2.578	96	48089	5.459	ug/L	94
13) Acetone	2.662	43	52666	41.566	ug/L	68
14) Carbon disulfide	2.793	76	122452	5.073	ug/L	100
15) Methyl Acetate	2.961	43	13532	4.949	ug/L	# 70
16) Methylene chloride	3.044	84	52635	4.378	ug/L	96
17) Methyl tert-butyl Ether	3.362	73	101930	5.341	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	47332	5.317	ug/L	97
19) 1,1-Dichloroethane	3.864	63	88956	5.522	ug/L	98
21) 2-Butanone	4.719	43	92353	52.656	ug/L	99
22) cis-1,2-Dichloroethene	4.661	96	53746	5.352	ug/L	96
23) Bromochloromethane	4.970	128	24042	5.380	ug/L	97
25) Chloroform	5.086	83	94906	5.425	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042623\
 Data File : VU053901.D
 Acq On : 26 Apr 2023 09:35
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

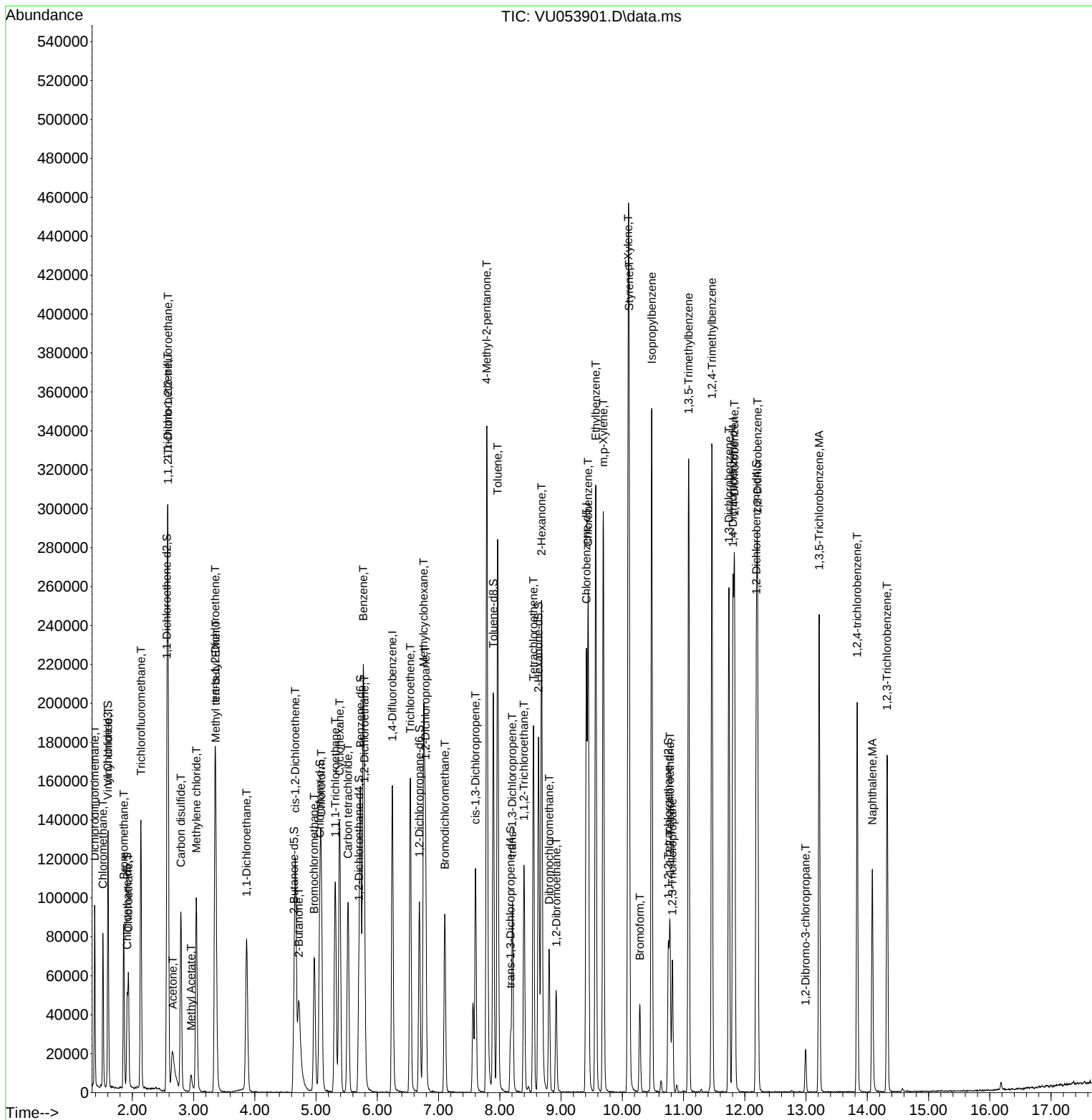
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005162

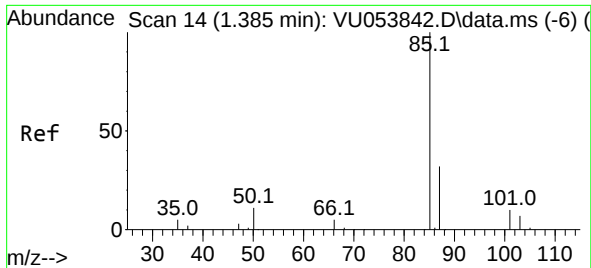
Quant Time: Apr 27 05:50:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 26 05:09:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	54638	5.448	ug/L	95
29) 1,1,1-Trichloroethane	5.314	97	81503	5.607	ug/L	98
30) Cyclohexane	5.385	56	68772	5.266	ug/L	99
31) Carbon tetrachloride	5.520	117	69374	5.490	ug/L	97
33) Benzene	5.771	78	204693	5.616	ug/L	100
34) Trichloroethene	6.539	95	56186	5.657	ug/L	98
35) Methylcyclohexane	6.758	83	78585	5.122	ug/L	100
37) 1,2-Dichloropropane	6.787	63	53612	5.928	ug/L	99
38) Bromodichloromethane	7.102	83	62835	5.559	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	70168	5.146	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	222311	54.498	ug/L	99
42) Toluene	7.964	91	219919	5.690	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	58374	5.293	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	38216	5.638	ug/L	98
47) Tetrachloroethene	8.549	164	42723	5.427	ug/L	97
48) 2-Hexanone	8.681	43	158662	51.172	ug/L	99
49) Dibromochloromethane	8.806	129	39279	5.473	ug/L	99
50) 1,2-Dibromoethane	8.922	107	35673	5.689	ug/L	98
51) Chlorobenzene	9.443	112	141068	5.376	ug/L	98
52) Ethylbenzene	9.565	91	230988	5.442	ug/L	97
53) m,p-Xylene	9.690	106	90147	5.543	ug/L	99
54) o-Xylene	10.095	106	87847	5.598	ug/L	98
55) Styrene	10.111	104	141319	5.504	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	41337	5.115	ug/L	94
59) Bromoform	10.288	173	20549	5.298	ug/L	94
60) Isopropylbenzene	10.481	105	231106	5.634	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	29253	5.561	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	182952	5.487	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	188033	5.573	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	109361	5.335	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	109427	5.283	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	102221	5.400	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	5456	5.033	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	77409	5.274	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	61681	4.616	ug/L	99
71) Naphthalene	14.082	128	98624	4.176	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	55156	4.626	ug/L	97

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

Quant Time: Apr 27 05:50:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Apr 26 05:09:52 2023
Response via : Initial Calibration

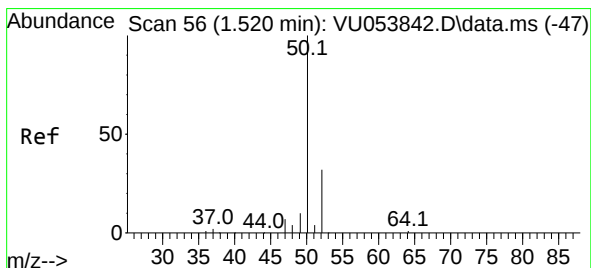
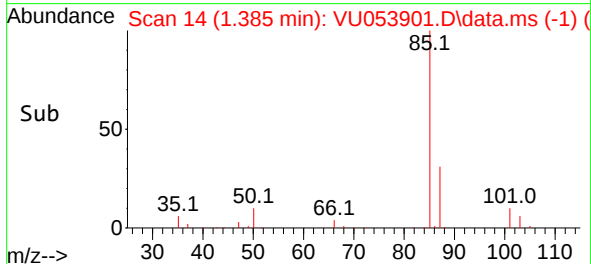
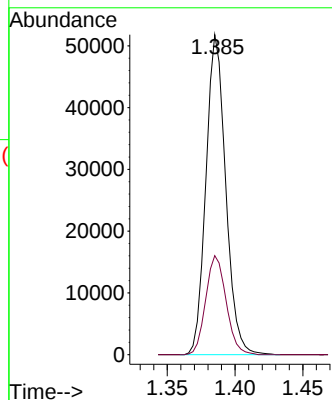
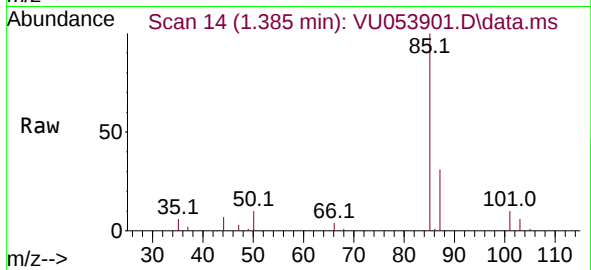




#2
 Dichlorodifluoromethane
 Concen: 5.052 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053901.D
 Acq: 26 Apr 2023 09:35

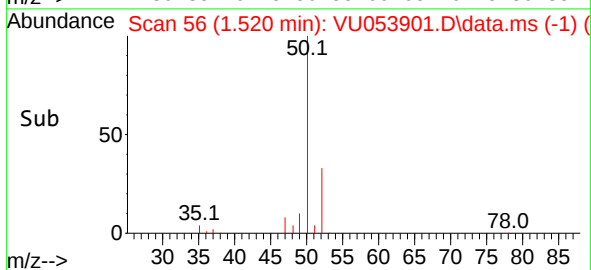
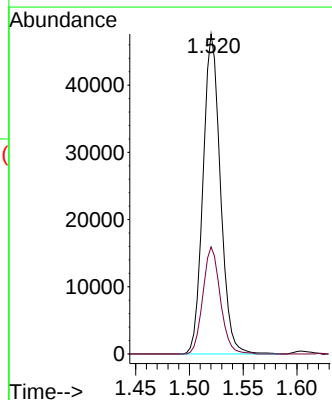
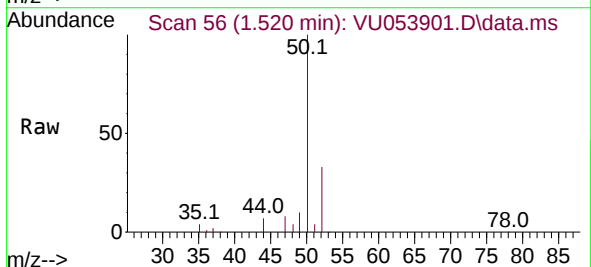
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005162

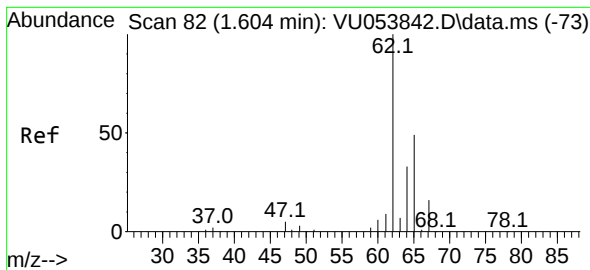
Tgt Ion: 85 Resp: 52489
 Ion Ratio Lower Upper
 85 100
 87 31.9 24.5 36.7



#3
 Chloromethane
 Concen: 5.308 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU053901.D
 Acq: 26 Apr 2023 09:35

Tgt Ion: 50 Resp: 53554
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.4 43.6





#5

Vinyl chloride

Concen: 5.259 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

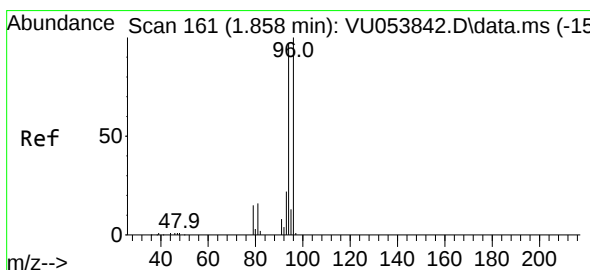
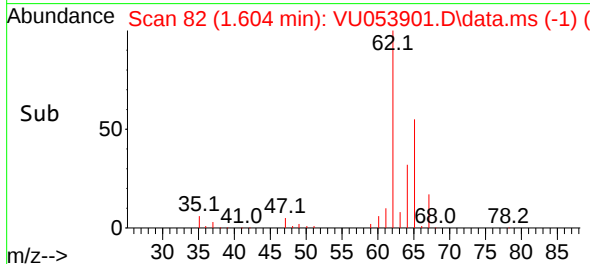
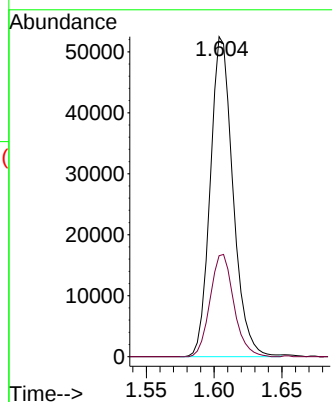
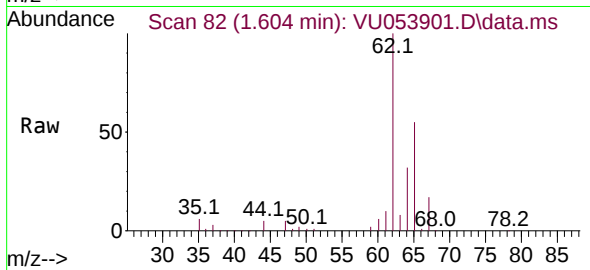
VSTD005162

Tgt Ion: 62 Resp: 61216

Ion Ratio Lower Upper

62 100

64 31.6 22.4 41.6



#6

Bromomethane

Concen: 5.367 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.000 min

Lab File: VU053901.D

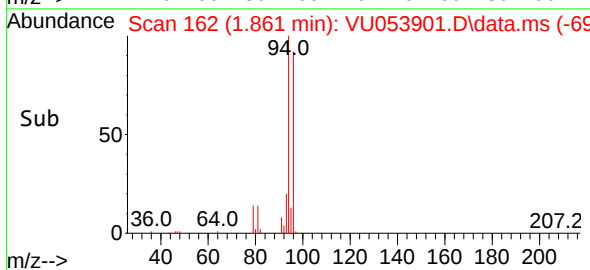
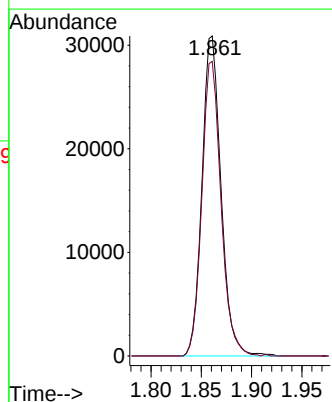
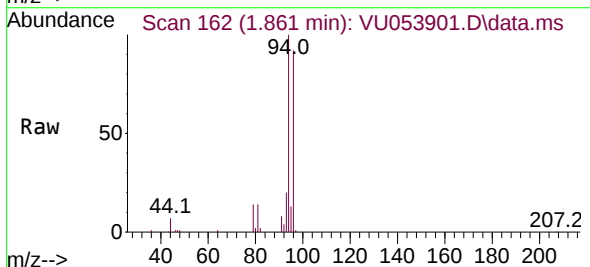
Acq: 26 Apr 2023 09:35

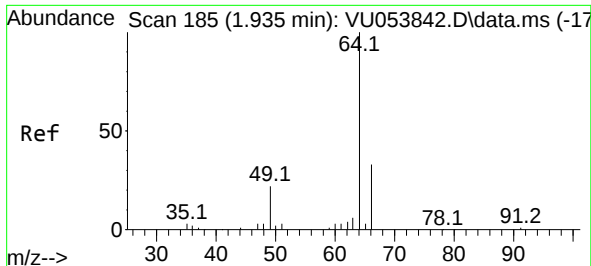
Tgt Ion: 94 Resp: 40662

Ion Ratio Lower Upper

94 100

96 92.1 61.9 114.9





#8

Chloroethane

Concen: 5.300 ug/L

RT: 1.938 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

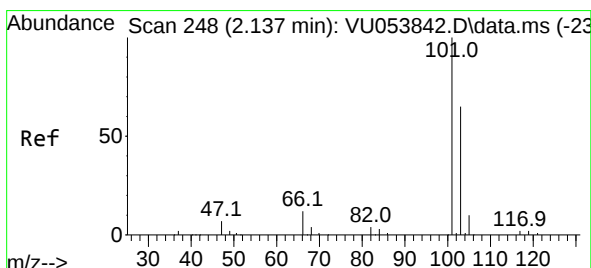
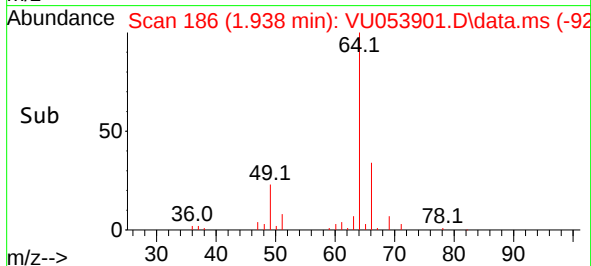
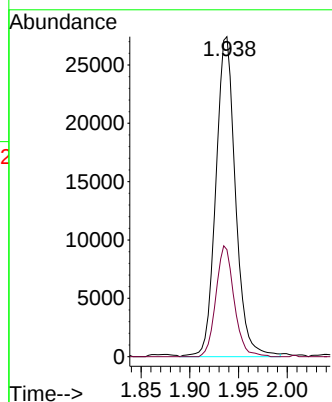
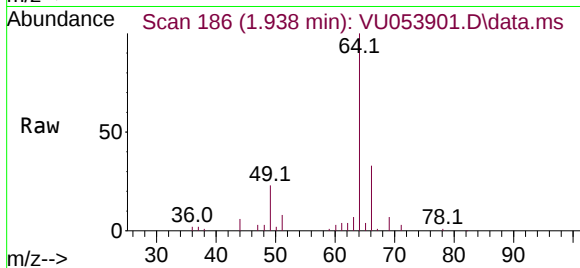
VSTD005162

Tgt Ion: 64 Resp: 38514

Ion Ratio Lower Upper

64 100

66 33.5 23.8 44.2



#9

Trichlorofluoromethane

Concen: 5.227 ug/L

RT: 2.141 min Scan# 249

Delta R.T. 0.003 min

Lab File: VU053901.D

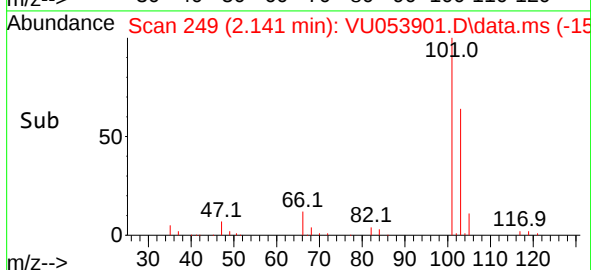
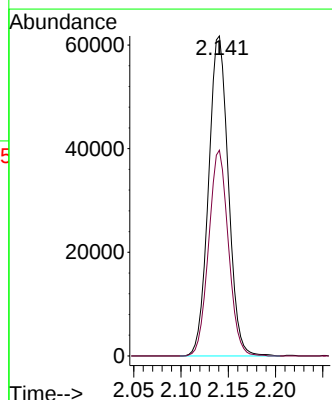
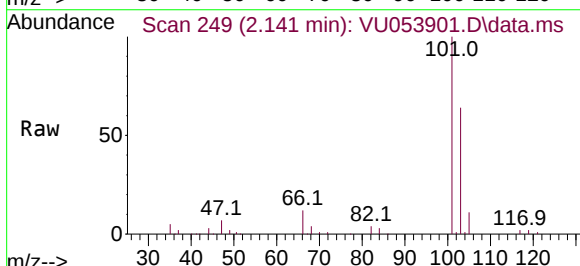
Acq: 26 Apr 2023 09:35

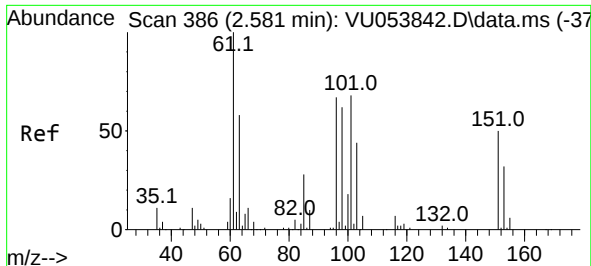
Tgt Ion:101 Resp: 89839

Ion Ratio Lower Upper

101 100

103 64.1 52.6 78.8

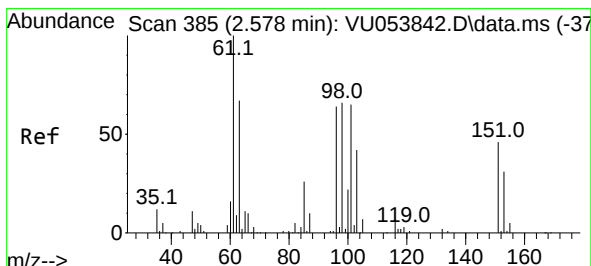
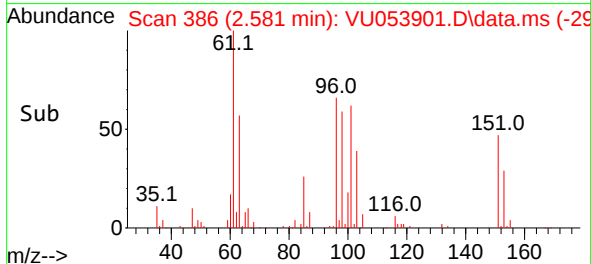
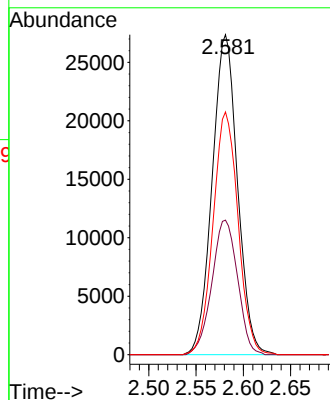
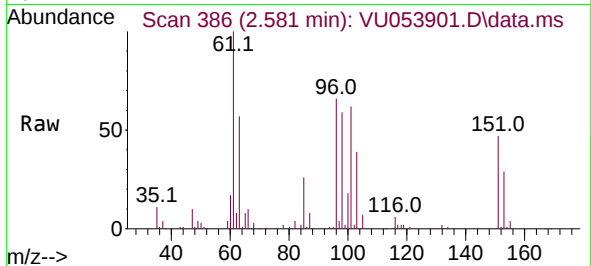




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.105 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

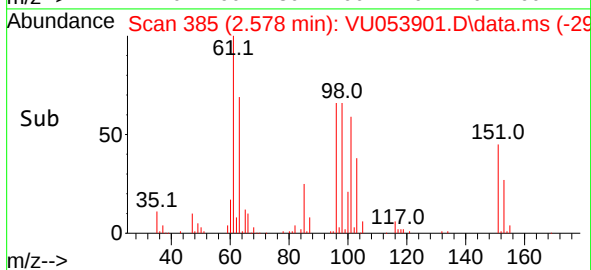
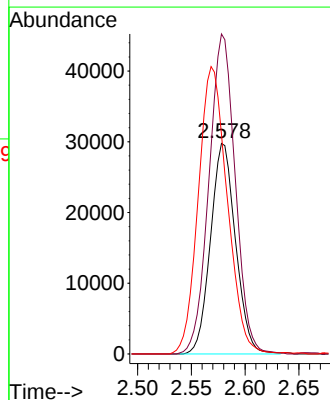
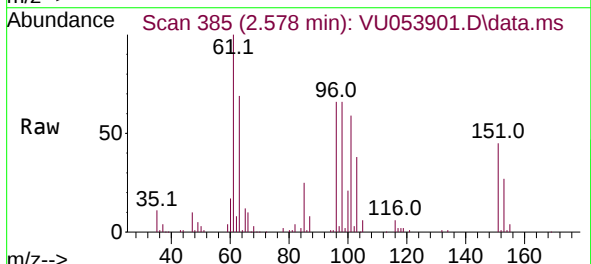
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

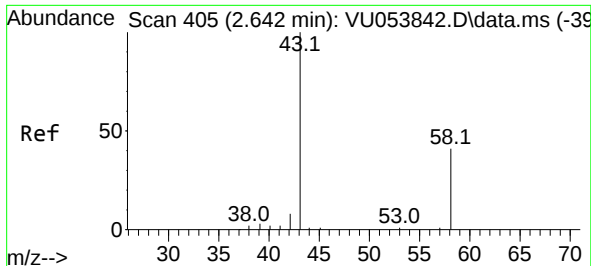
Tgt Ion:101 Resp: 50992
Ion Ratio Lower Upper
101 100
85 42.6 34.7 52.1
151 74.9 59.1 88.7



#12
1,1-Dichloroethene
Concen: 5.459 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion: 96 Resp: 48089
Ion Ratio Lower Upper
96 100
61 152.0 111.5 207.1
63 104.2 68.7 127.7





#13

Acetone

Concen: 41.566 ug/L

RT: 2.662 min Scan# 411

Delta R.T. 0.019 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

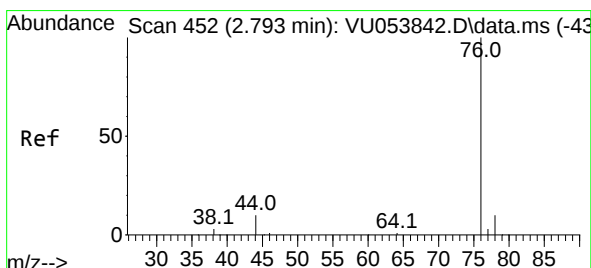
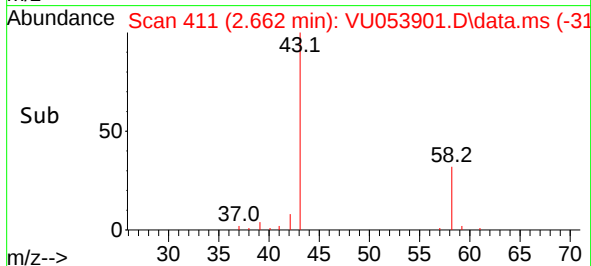
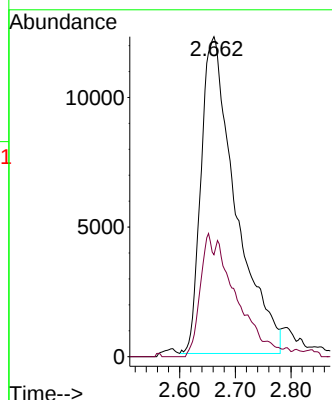
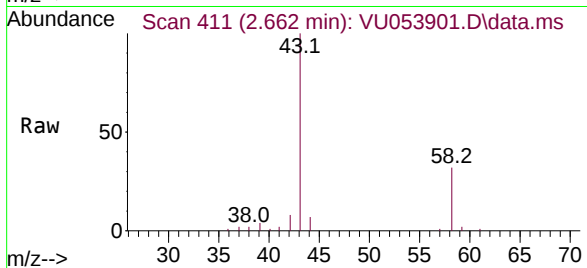
VSTD005162

Tgt Ion: 43 Resp: 52666

Ion Ratio Lower Upper

43 100

58 18.7 0.0 76.2



#14

Carbon disulfide

Concen: 5.073 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU053901.D

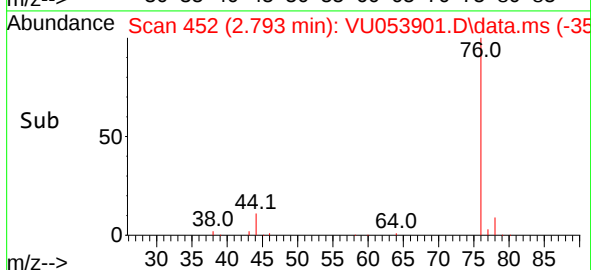
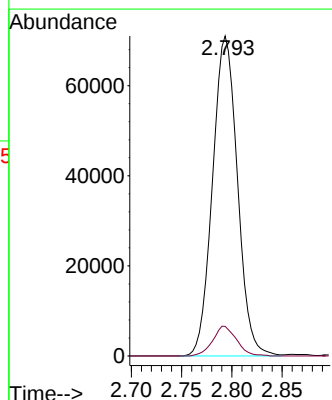
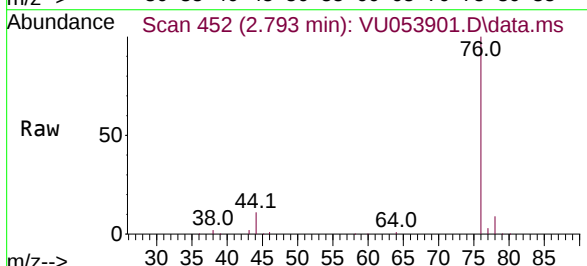
Acq: 26 Apr 2023 09:35

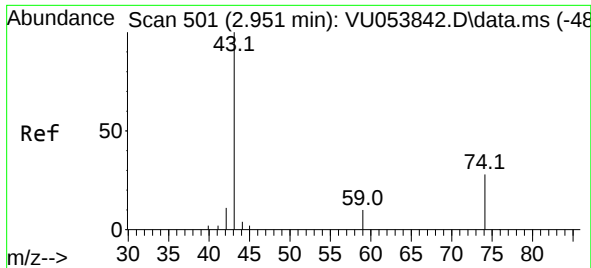
Tgt Ion: 76 Resp: 122452

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

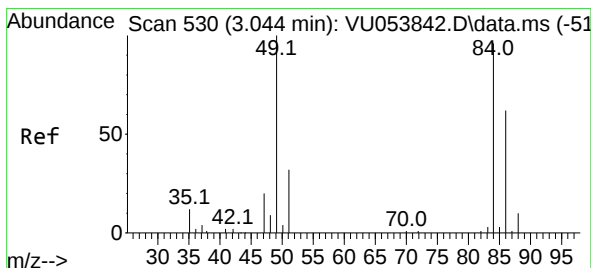
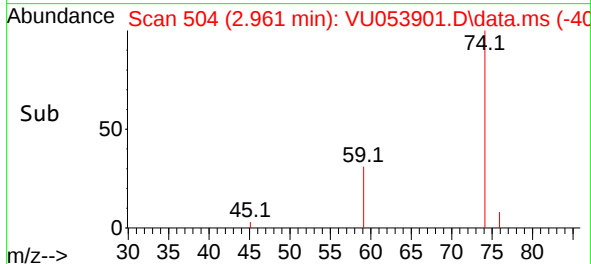
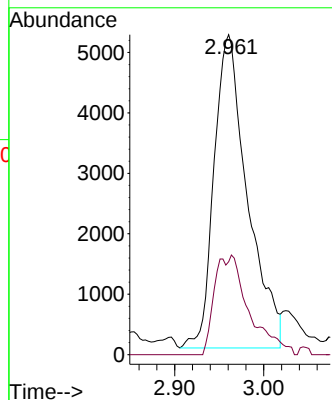
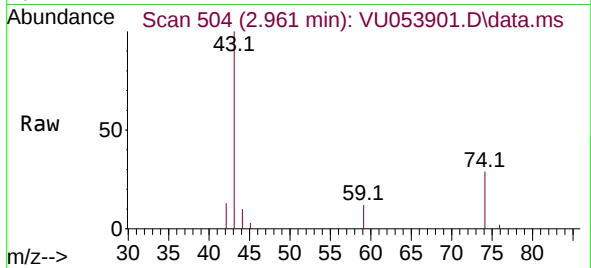




#15
Methyl Acetate
Concen: 4.949 ug/L
RT: 2.961 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

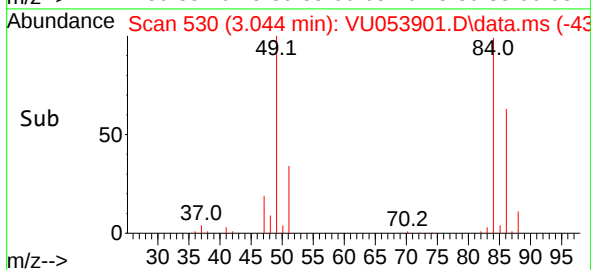
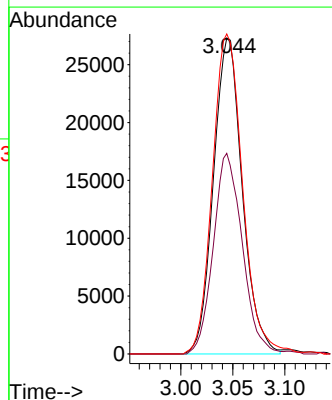
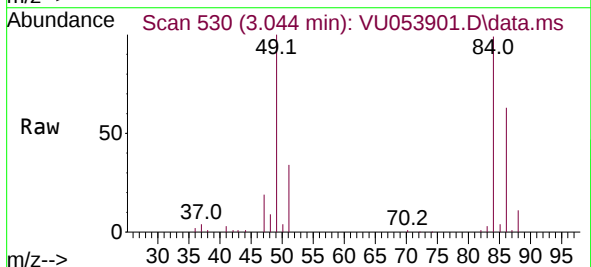
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

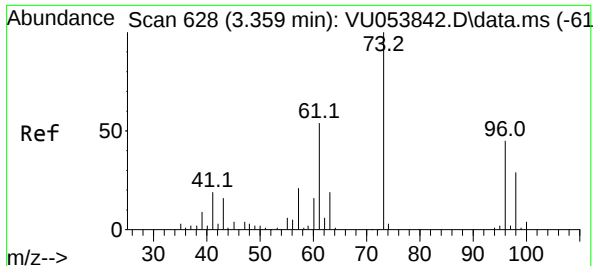
Tgt Ion: 43 Resp: 13532
Ion Ratio Lower Upper
43 100
74 12.0 22.0 33.0#



#16
Methylene chloride
Concen: 4.378 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion: 84 Resp: 52635
Ion Ratio Lower Upper
84 100
86 63.5 45.0 83.6
49 101.3 74.8 138.8

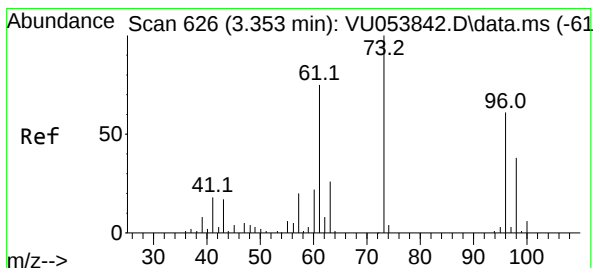
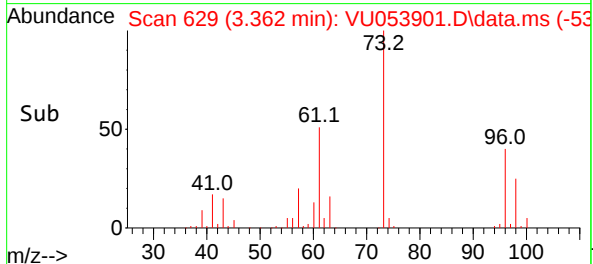
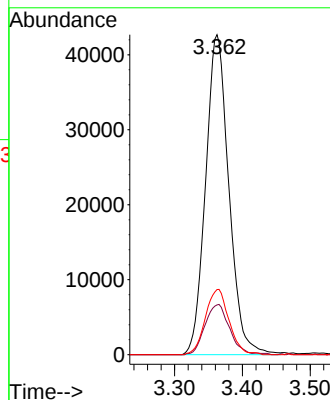
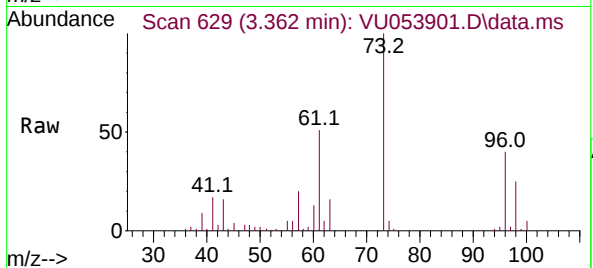




#17
Methyl tert-butyl Ether
Concen: 5.341 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

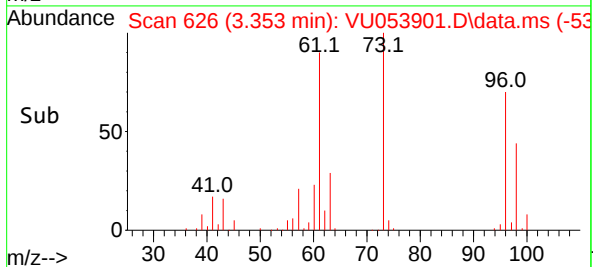
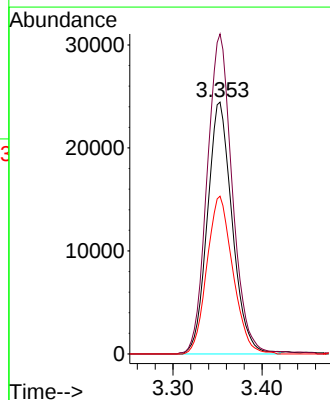
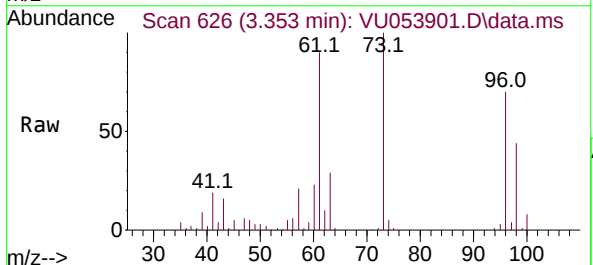
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

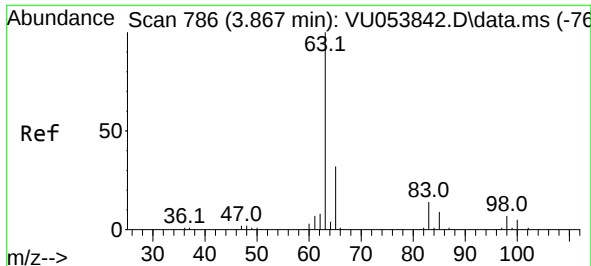
Tgt Ion: 73 Resp: 101930
Ion Ratio Lower Upper
73 100
43 16.4 13.4 20.2
57 20.7 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 5.317 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion: 96 Resp: 47332
Ion Ratio Lower Upper
96 100
61 127.1 86.2 160.0
98 62.6 42.8 79.4

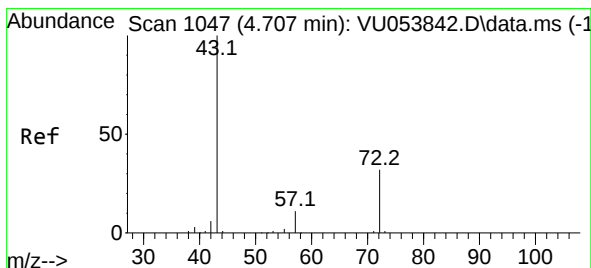
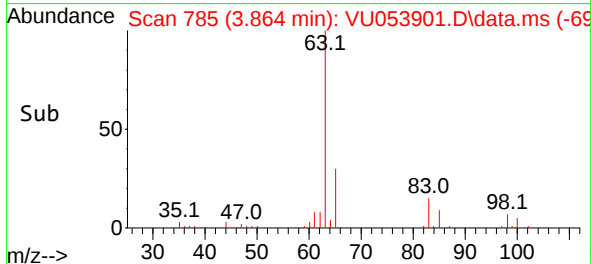
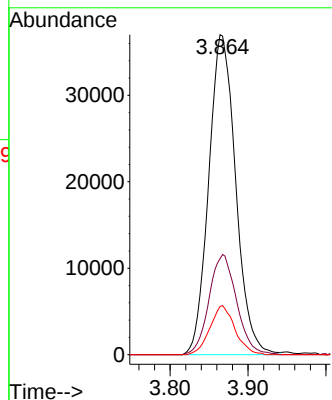
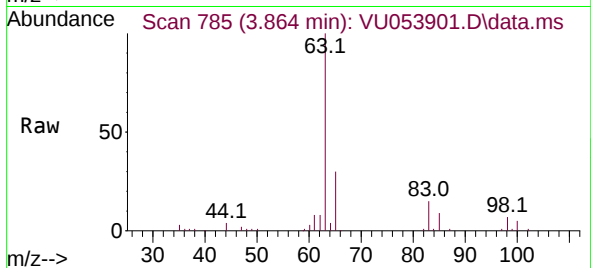




#19
1,1-Dichloroethane
Concen: 5.522 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

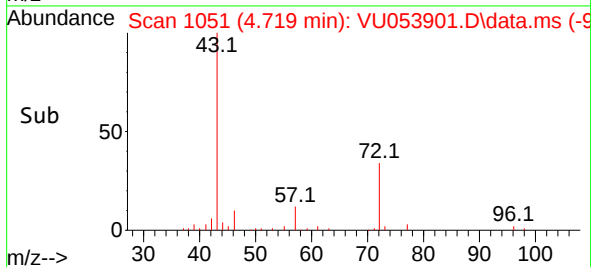
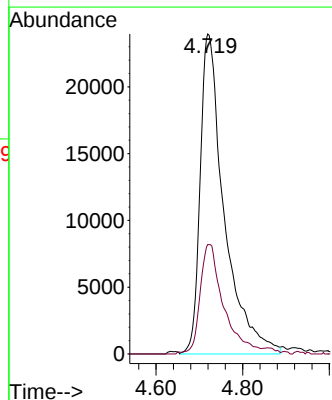
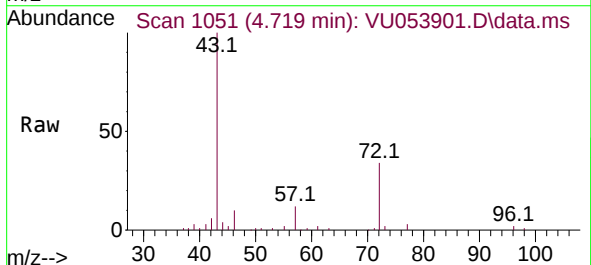
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

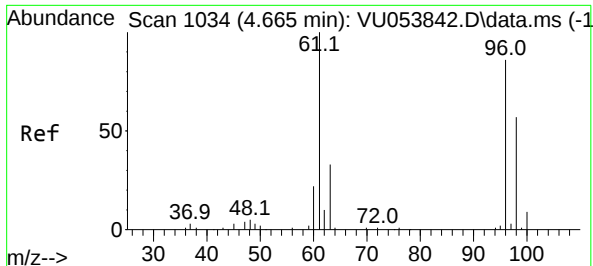
Tgt Ion: 63 Resp: 88956
Ion Ratio Lower Upper
63 100
65 30.0 22.0 40.8
83 15.0 10.3 19.1



#21
2-Butanone
Concen: 52.656 ug/L
RT: 4.719 min Scan# 1051
Delta R.T. 0.013 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion: 43 Resp: 92353
Ion Ratio Lower Upper
43 100
72 31.9 15.7 47.0

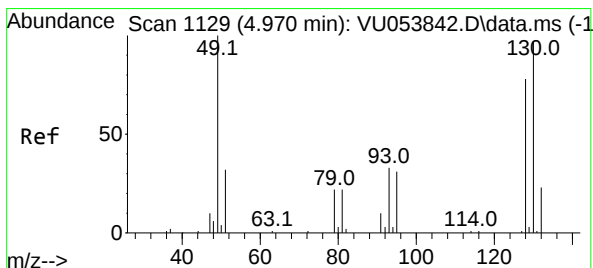
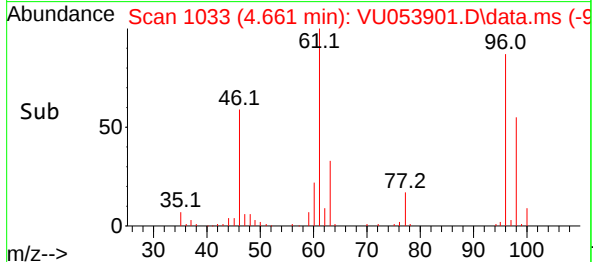
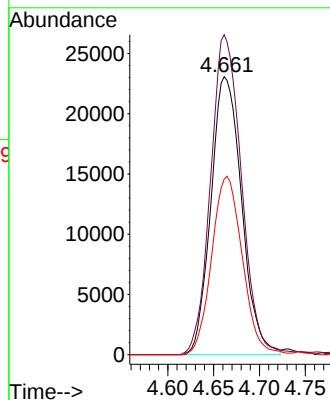
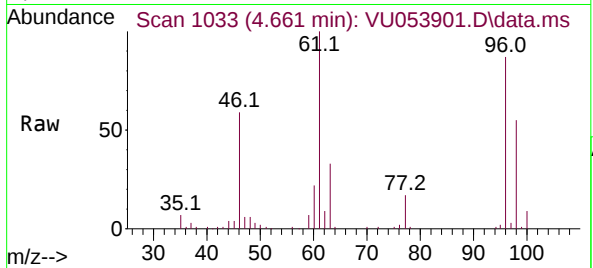




#22
cis-1,2-Dichloroethene
Concen: 5.352 ug/L
RT: 4.661 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

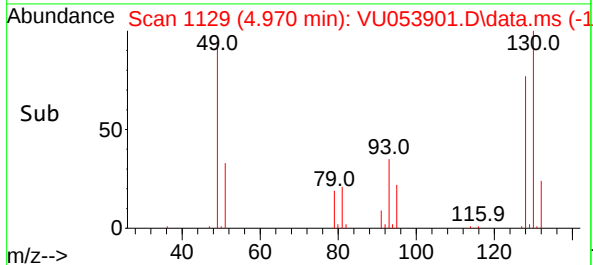
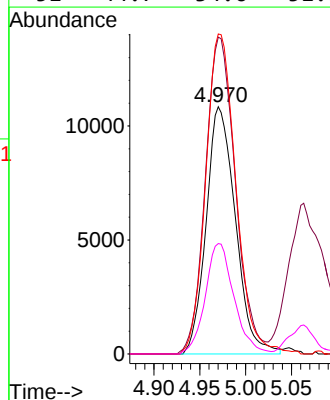
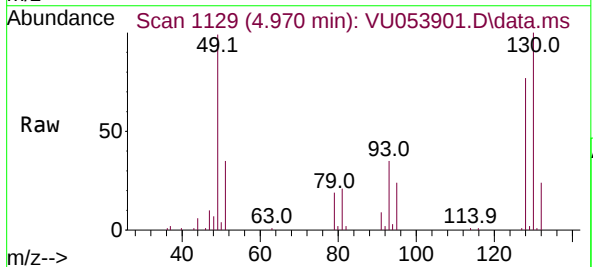
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

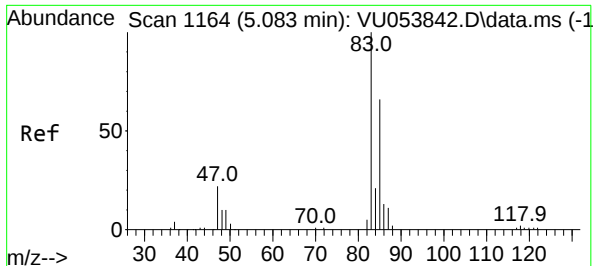
Tgt Ion: 96 Resp: 53746
Ion Ratio Lower Upper
96 100
61 115.1 84.3 156.5
98 63.2 46.4 86.2



#23
Bromochloromethane
Concen: 5.380 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion:128 Resp: 24042
Ion Ratio Lower Upper
128 100
49 128.2 91.3 169.5
130 129.5 87.6 162.8
51 44.7 34.6 51.8





#25

Chloroform

Concen: 5.425 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

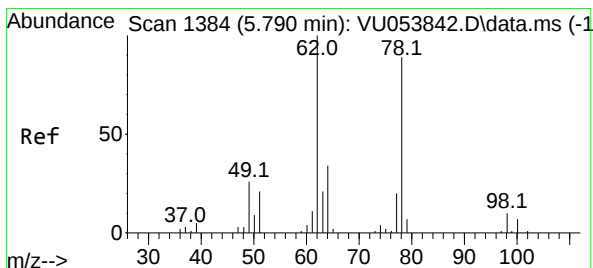
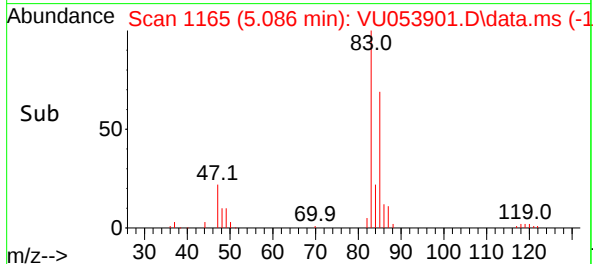
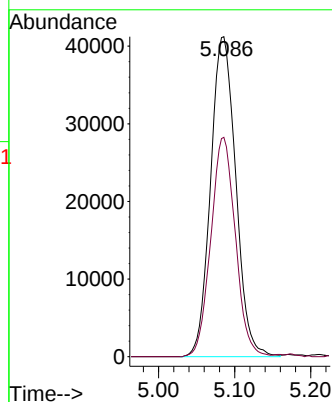
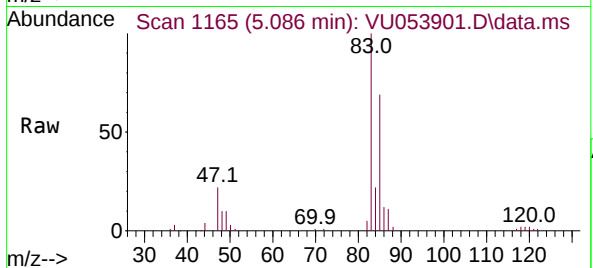
VSTD005162

Tgt Ion: 83 Resp: 94906

Ion Ratio Lower Upper

83 100

85 68.6 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.448 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053901.D

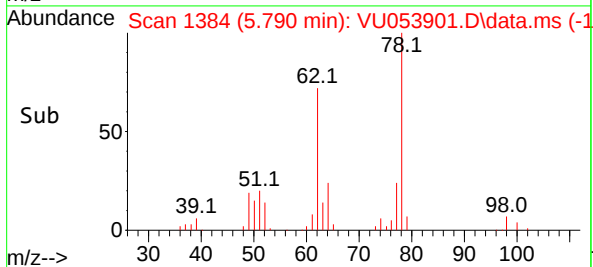
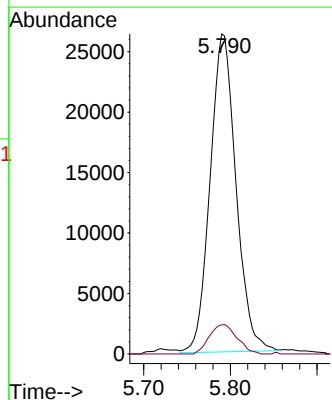
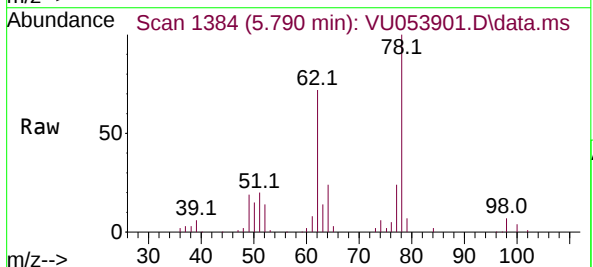
Acq: 26 Apr 2023 09:35

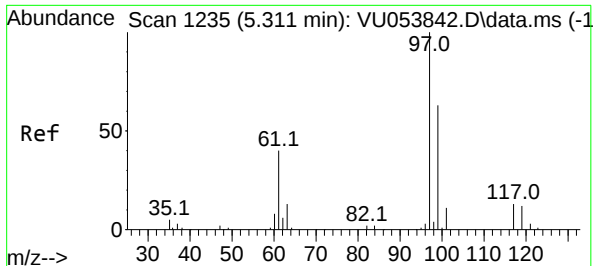
Tgt Ion: 62 Resp: 54638

Ion Ratio Lower Upper

62 100

98 9.1 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 5.607 ug/L

RT: 5.314 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD005162

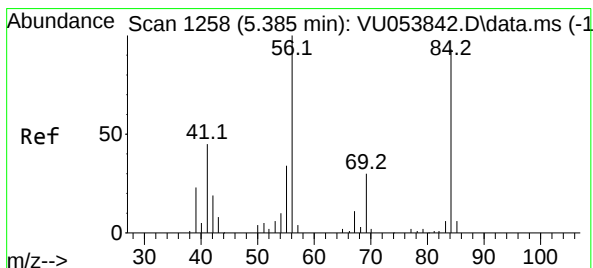
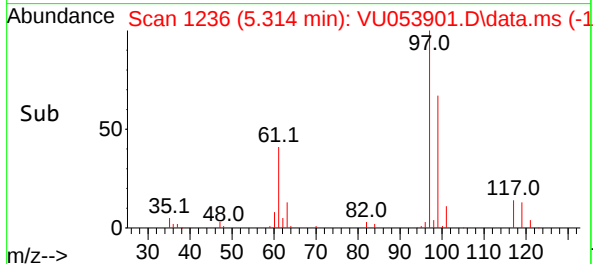
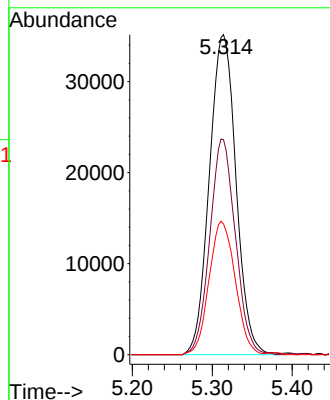
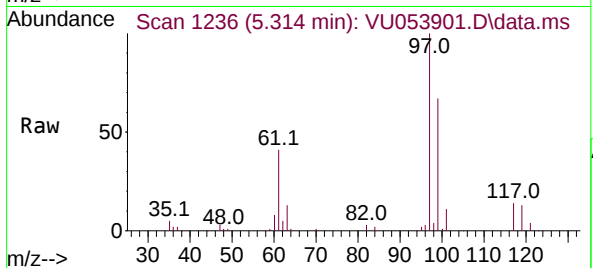
Tgt Ion: 97 Resp: 81503

Ion Ratio Lower Upper

97 100

99 64.8 52.9 79.3

61 40.9 33.8 50.8



#30

Cyclohexane

Concen: 5.266 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

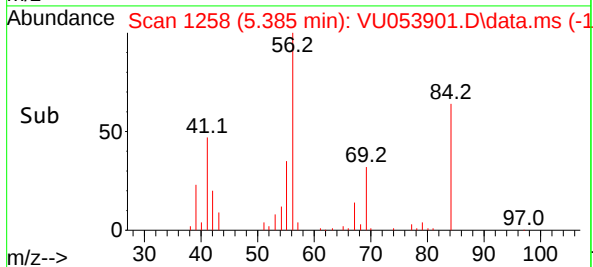
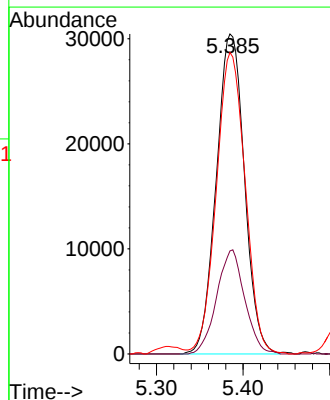
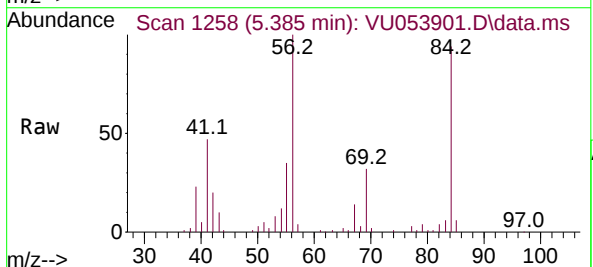
Tgt Ion: 56 Resp: 68772

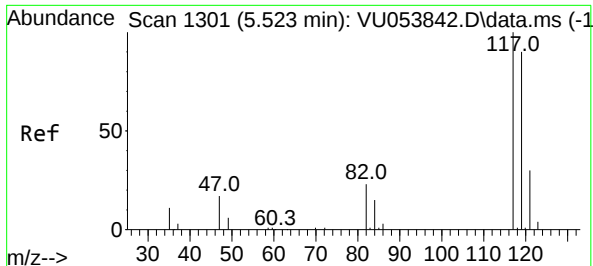
Ion Ratio Lower Upper

56 100

69 32.4 27.0 40.4

84 96.6 78.0 117.0

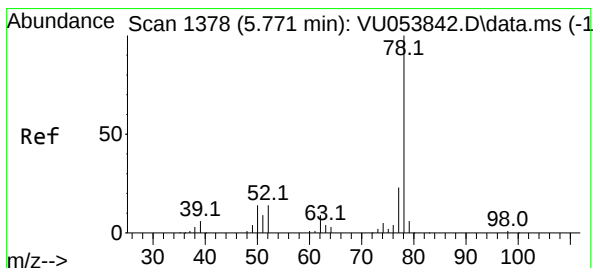
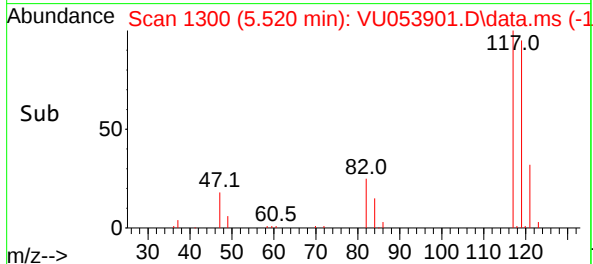
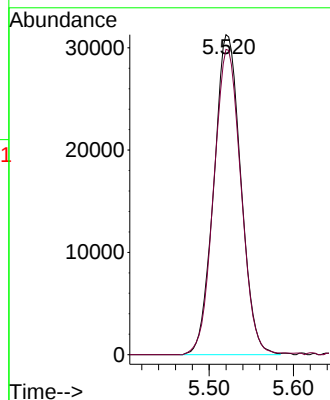
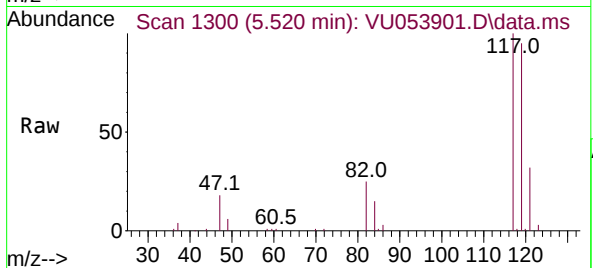




#31
Carbon tetrachloride
Concen: 5.490 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

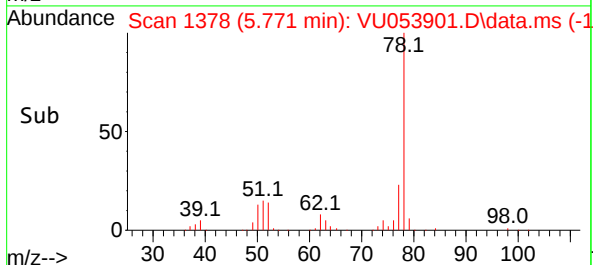
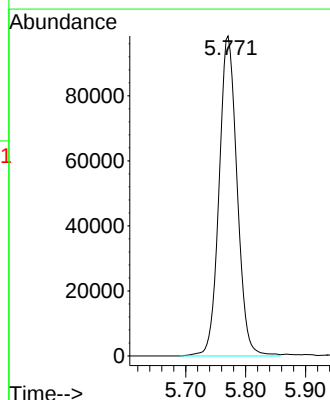
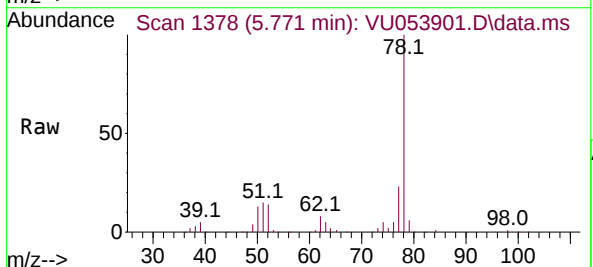
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

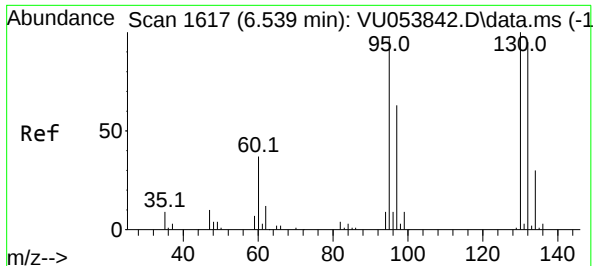
Tgt Ion:117 Resp: 69374
Ion Ratio Lower Upper
117 100
119 96.5 75.0 112.6



#33
Benzene
Concen: 5.616 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion: 78 Resp: 204693

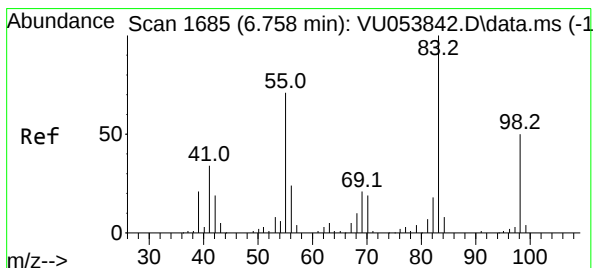
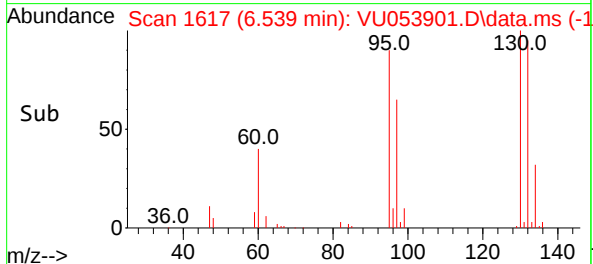
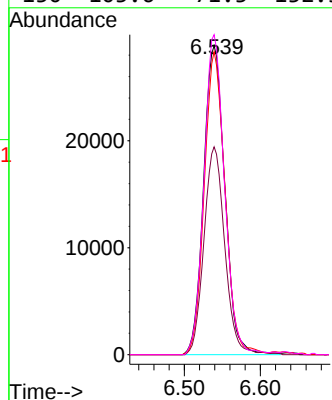
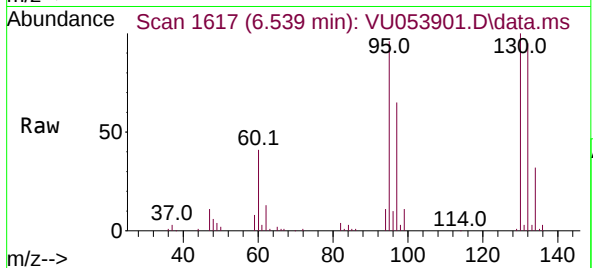




#34
Trichloroethene
Concen: 5.657 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

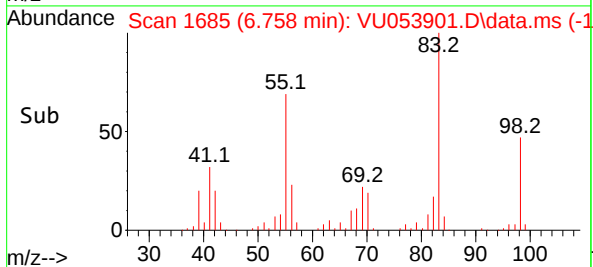
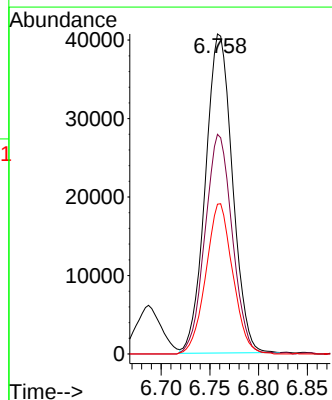
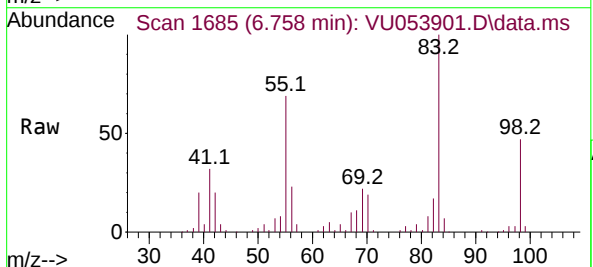
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

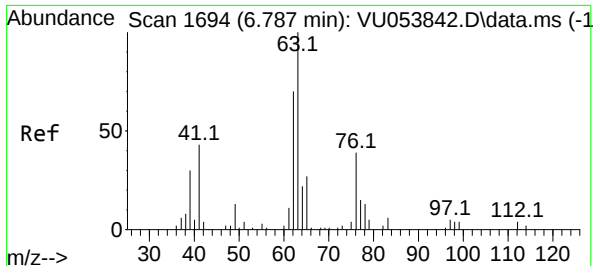
Tgt Ion: 95 Resp: 56186
Ion Ratio Lower Upper
95 100
97 67.3 45.1 83.9
132 98.1 69.9 129.9
130 103.6 71.3 132.3



#35
Methylcyclohexane
Concen: 5.122 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion: 83 Resp: 78585
Ion Ratio Lower Upper
83 100
55 69.4 55.4 83.2
98 46.8 37.3 55.9

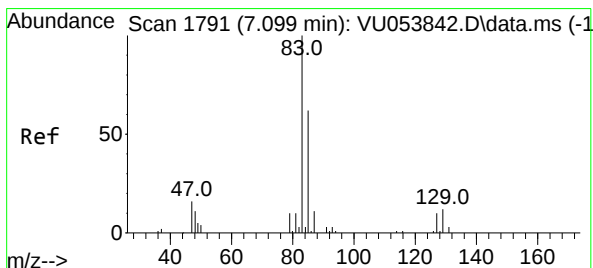
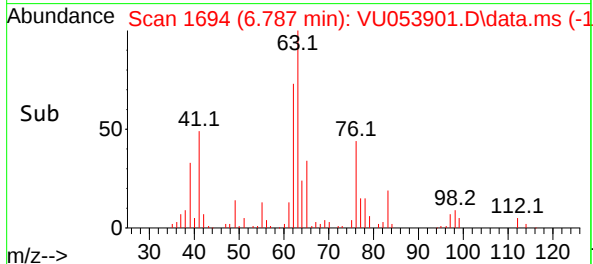
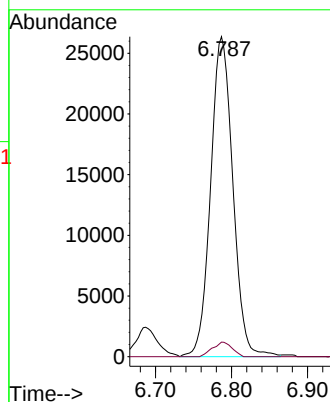
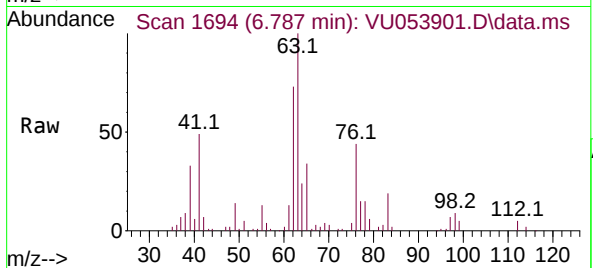




#37
1,2-Dichloropropane
Concen: 5.928 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

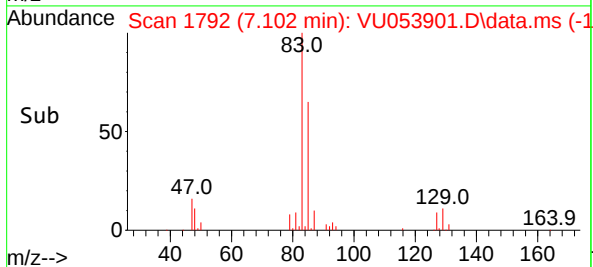
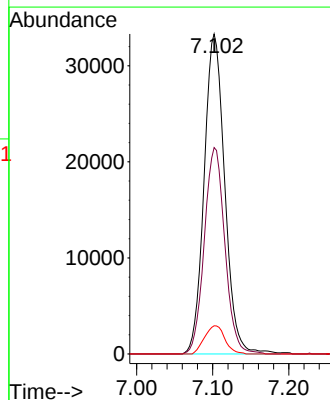
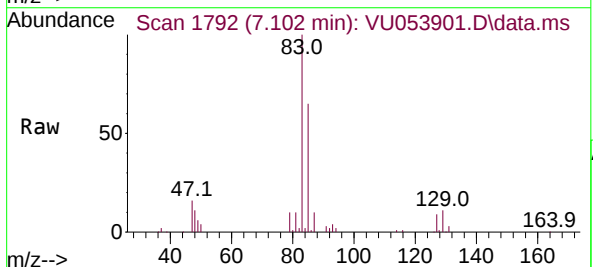
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

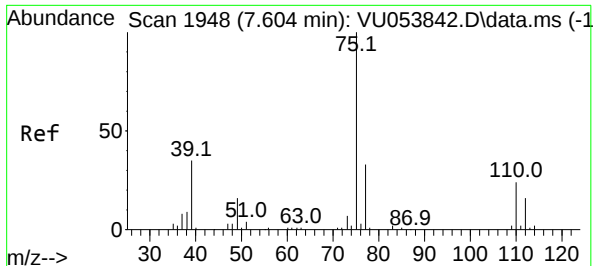
Tgt Ion: 63 Resp: 53612
Ion Ratio Lower Upper
63 100
112 4.0 3.5 5.3



#38
Bromodichloromethane
Concen: 5.559 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion: 83 Resp: 62835
Ion Ratio Lower Upper
83 100
85 64.5 45.2 84.0
127 8.8 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.146 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

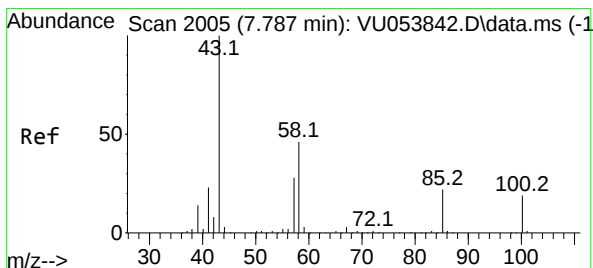
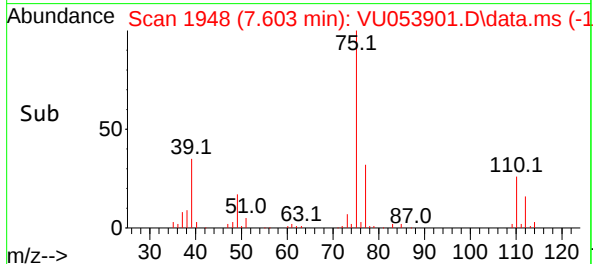
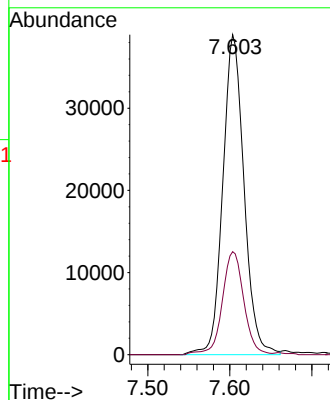
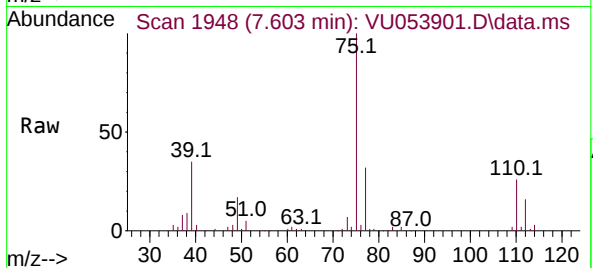
VSTD005162

Tgt Ion: 75 Resp: 70168

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 54.498 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

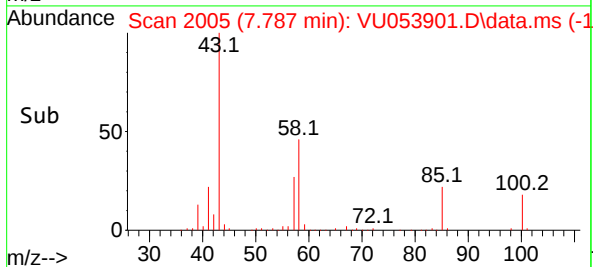
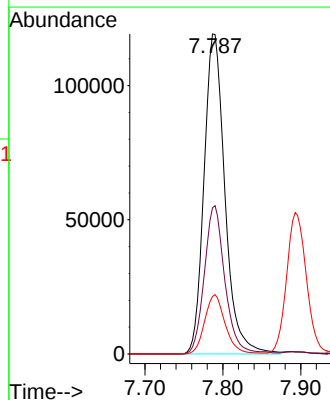
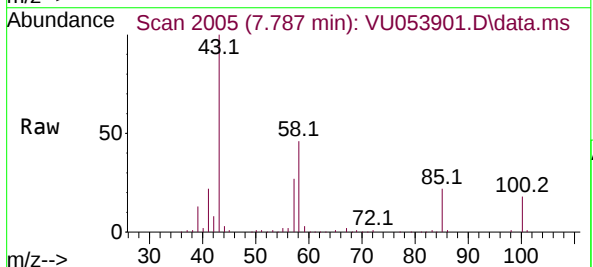
Tgt Ion: 43 Resp: 222311

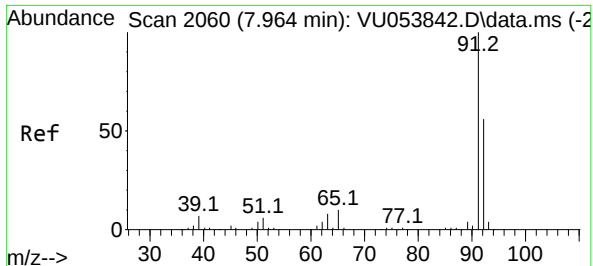
Ion Ratio Lower Upper

43 100

58 45.6 36.0 54.0

100 18.2 15.1 22.7





#42

Toluene

Concen: 5.690 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

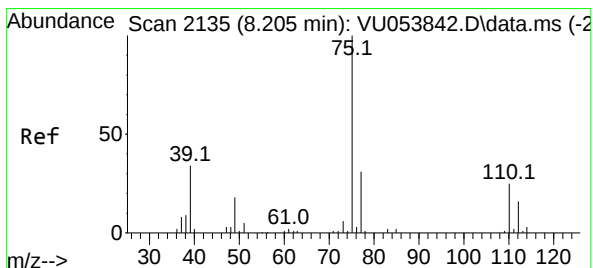
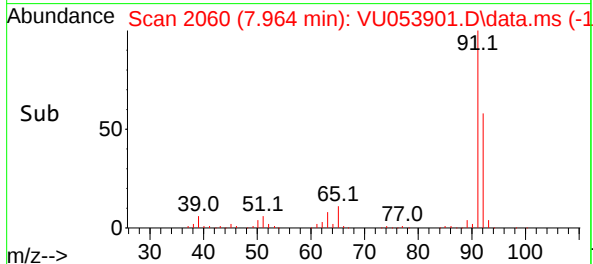
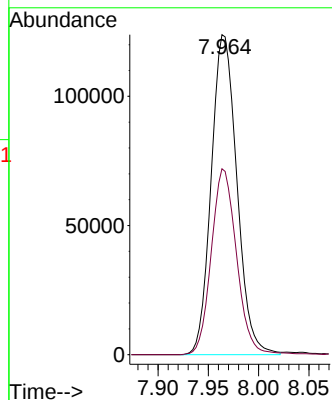
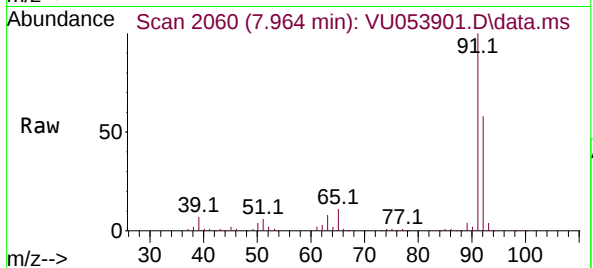
VSTD005162

Tgt Ion: 91 Resp: 219919

Ion Ratio Lower Upper

91 100

92 58.1 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 5.293 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU053901.D

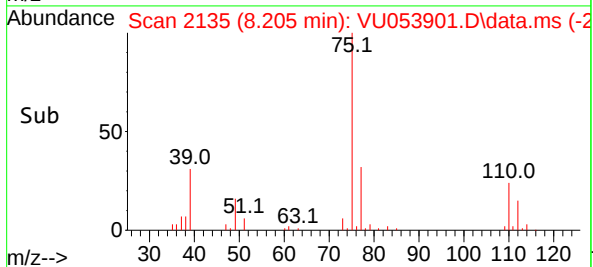
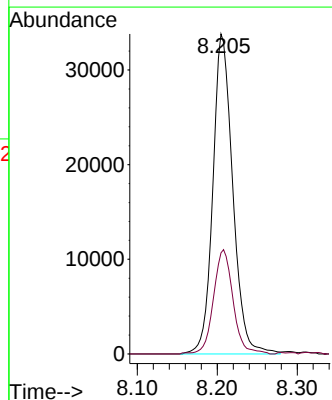
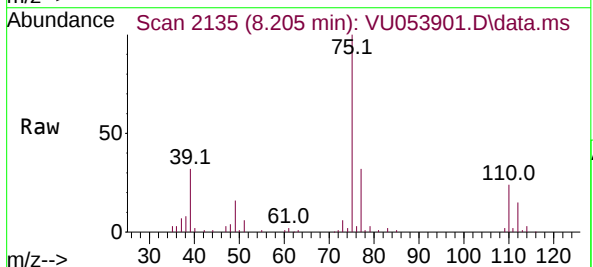
Acq: 26 Apr 2023 09:35

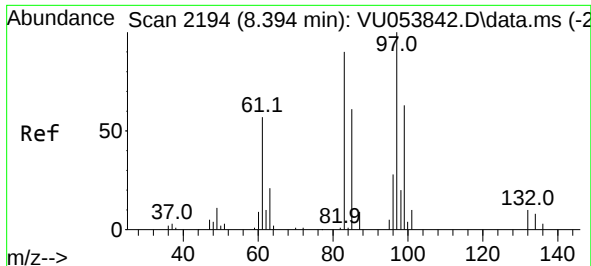
Tgt Ion: 75 Resp: 58374

Ion Ratio Lower Upper

75 100

77 31.6 23.3 43.3

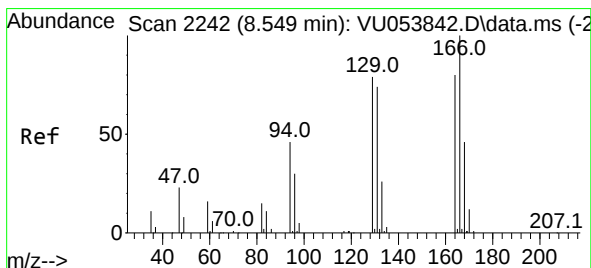
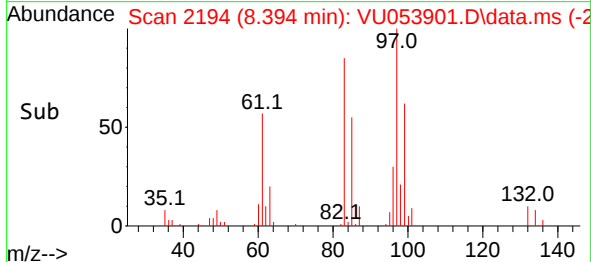
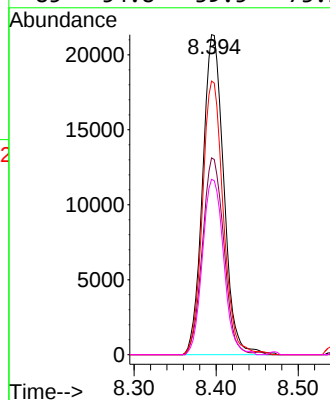
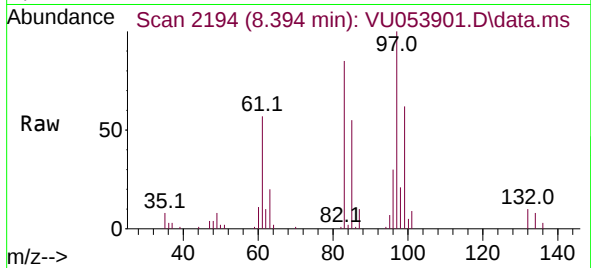




#45
1,1,2-Trichloroethane
Concen: 5.638 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.003 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

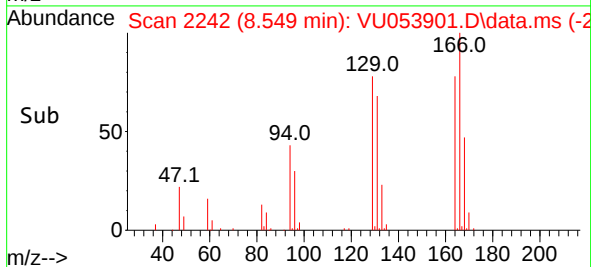
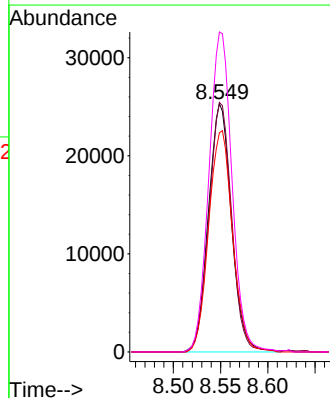
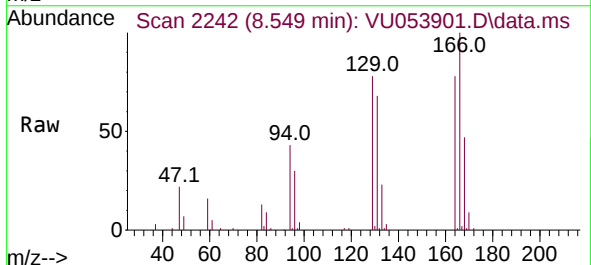
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

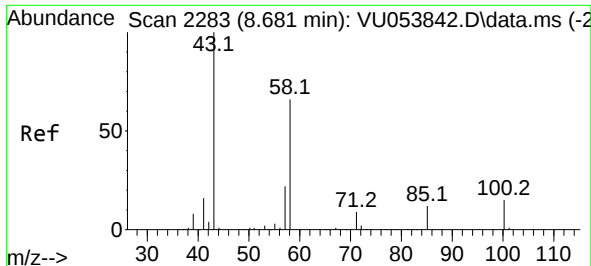
Tgt Ion:	97	Resp:	38216
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.7	83.1
83	85.5	59.8	111.1
85	54.8	39.5	73.3



#47
Tetrachloroethene
Concen: 5.427 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion:	164	Resp:	42723
Ion	Ratio	Lower	Upper
164	100		
129	100.5	68.3	126.8
131	88.2	64.4	119.6
166	128.8	88.3	163.9

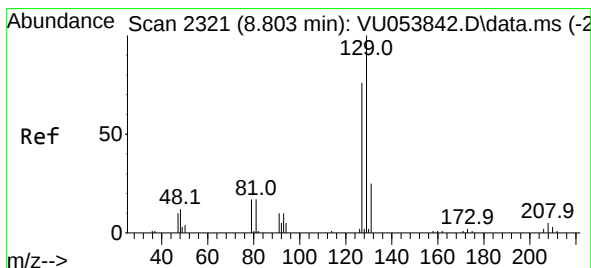
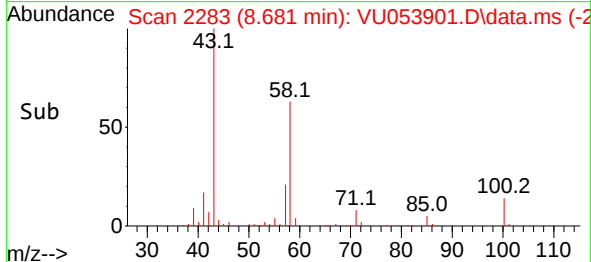
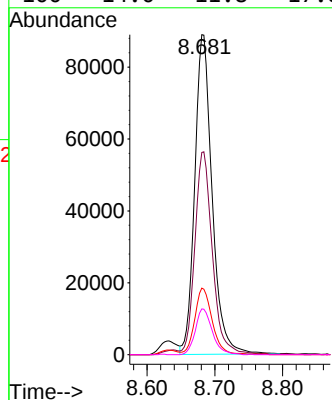
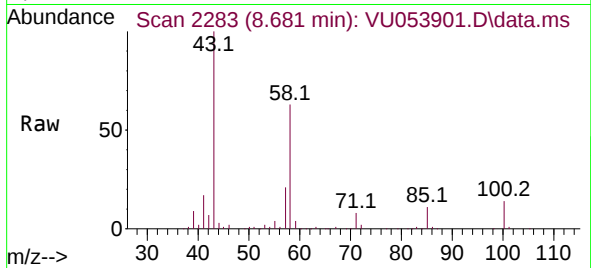




#48
2-Hexanone
Concen: 51.172 ug/L
RT: 8.681 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

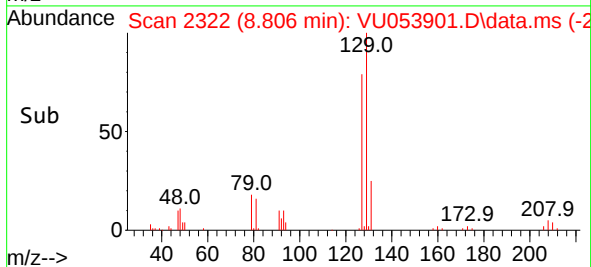
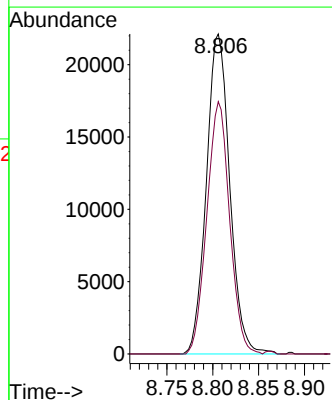
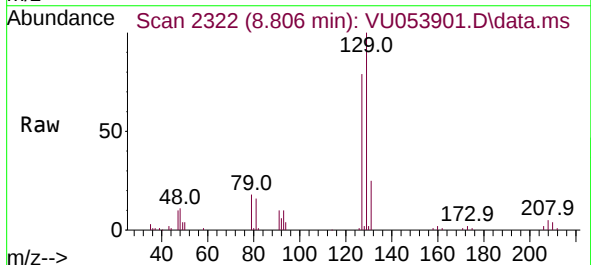
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

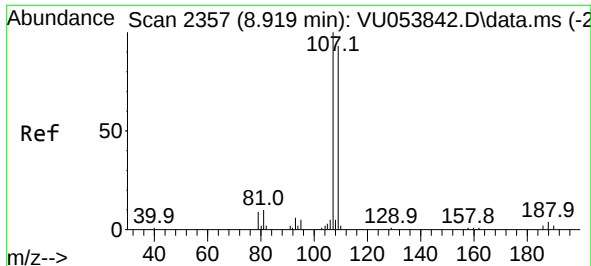
Tgt Ion:	43	Resp:	158662
Ion	Ratio	Lower	Upper
43	100		
58	63.0	49.8	74.6
57	20.8	16.9	25.3
100	14.0	11.8	17.8



#49
Dibromochloromethane
Concen: 5.473 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion:	129	Resp:	39279
Ion	Ratio	Lower	Upper
129	100		
127	78.9	55.7	103.5





#50

1,2-Dibromoethane

Concen: 5.689 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD005162

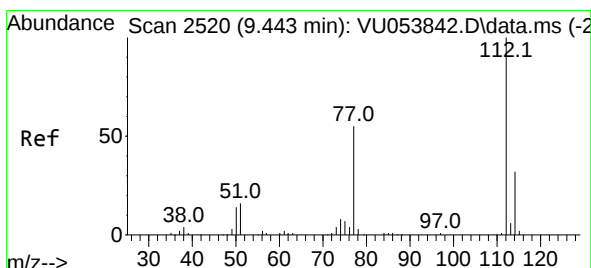
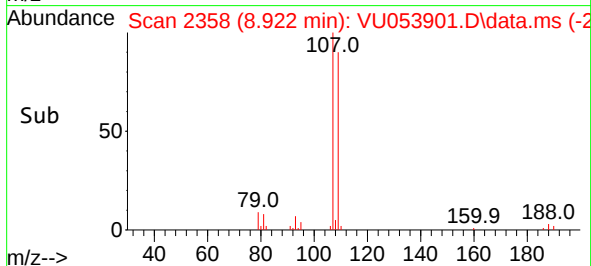
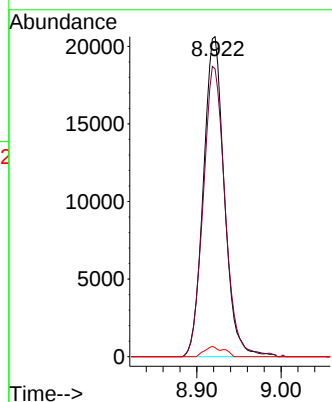
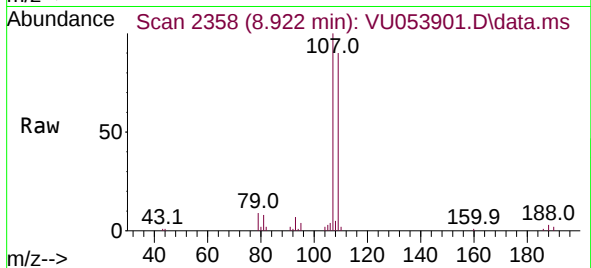
Tgt Ion:107 Resp: 35673

Ion Ratio Lower Upper

107 100

109 90.0 64.3 119.5

188 2.8 2.1 3.1



#51

Chlorobenzene

Concen: 5.376 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.003 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

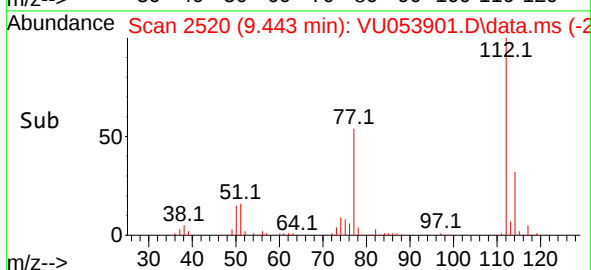
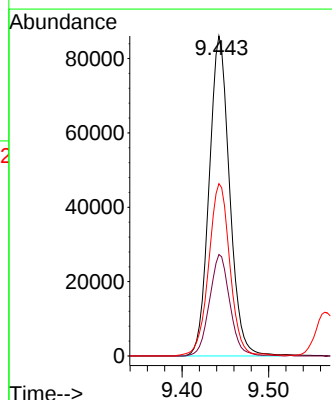
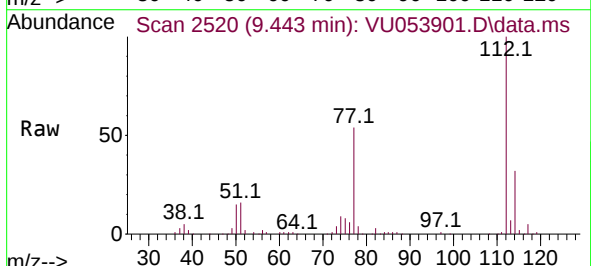
Tgt Ion:112 Resp: 141068

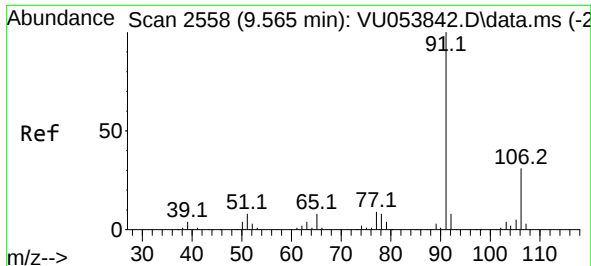
Ion Ratio Lower Upper

112 100

114 31.7 23.0 42.6

77 53.9 44.4 66.6

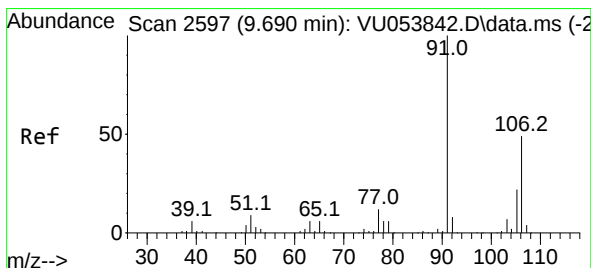
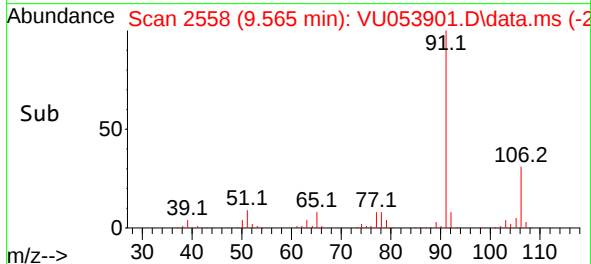
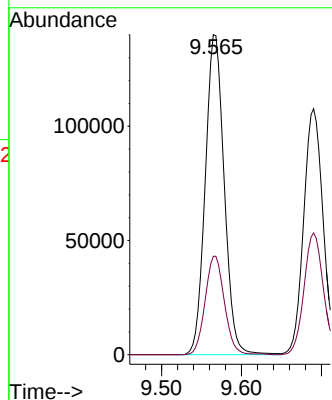
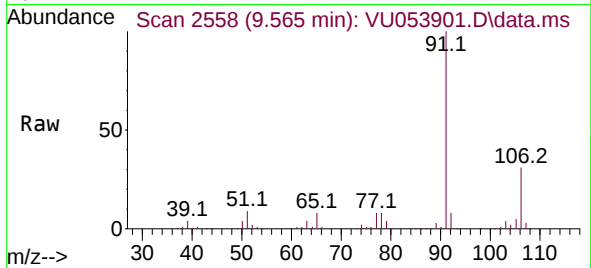




#52
Ethylbenzene
Concen: 5.442 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

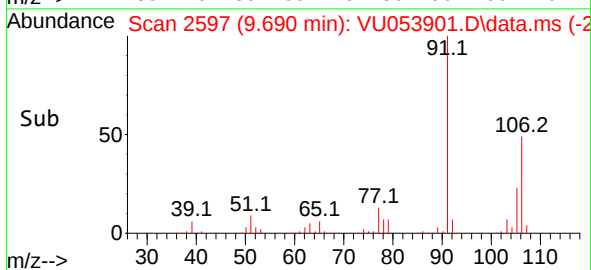
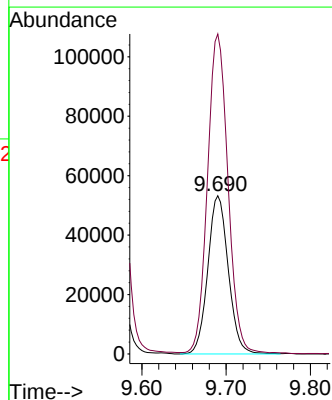
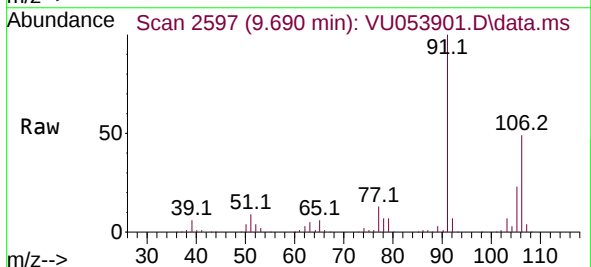
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

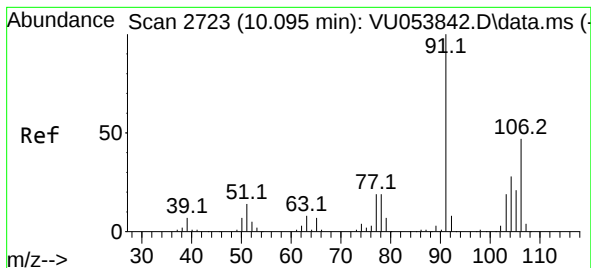
Tgt Ion: 91 Resp: 230988
Ion Ratio Lower Upper
91 100
106 30.8 22.8 42.4



#53
m,p-Xylene
Concen: 5.543 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion: 106 Resp: 90147
Ion Ratio Lower Upper
106 100
91 202.1 142.2 264.0





#54

o-Xylene

Concen: 5.598 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

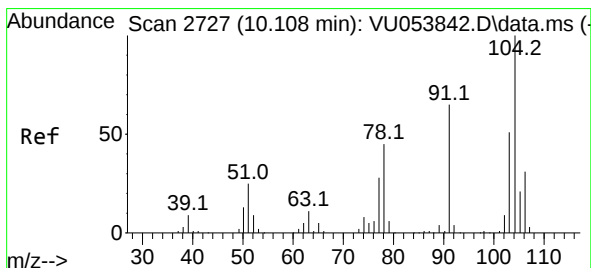
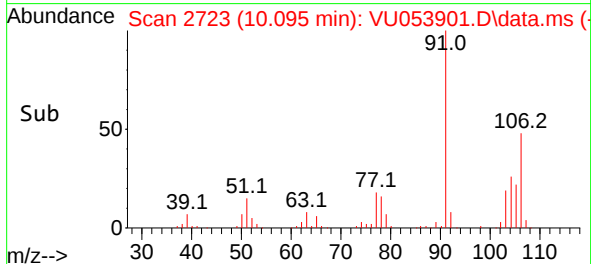
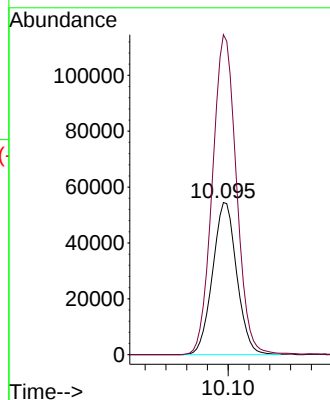
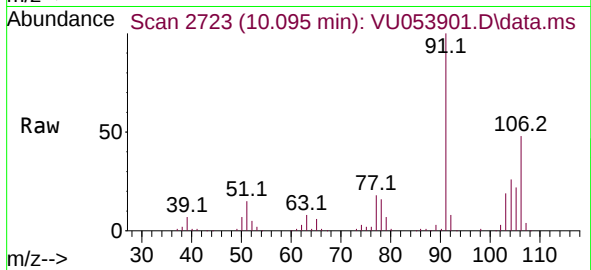
VSTD005162

Tgt Ion:106 Resp: 87847

Ion Ratio Lower Upper

106 100

91 210.3 145.5 270.1



#55

Styrene

Concen: 5.504 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU053901.D

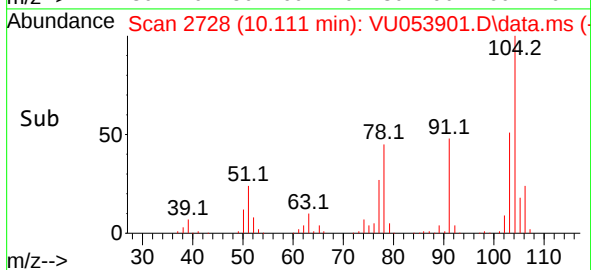
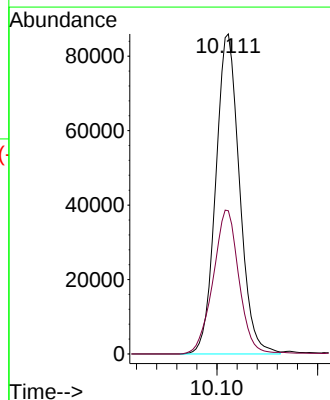
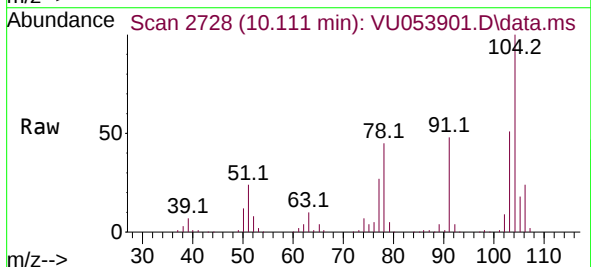
Acq: 26 Apr 2023 09:35

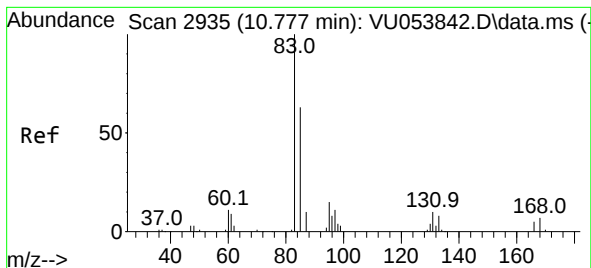
Tgt Ion:104 Resp: 141319

Ion Ratio Lower Upper

104 100

78 44.8 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.115 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD005162

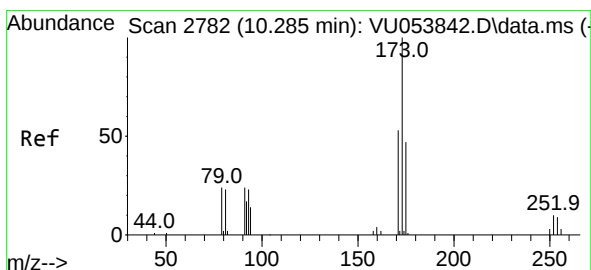
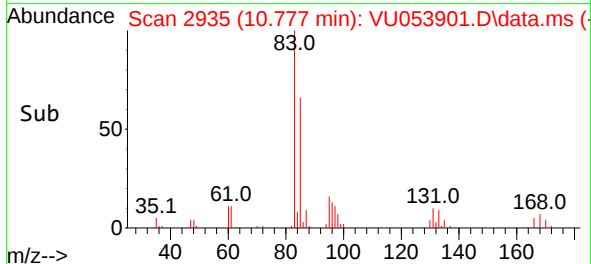
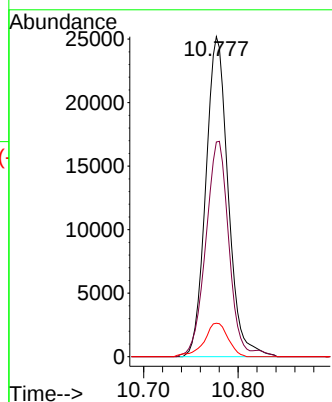
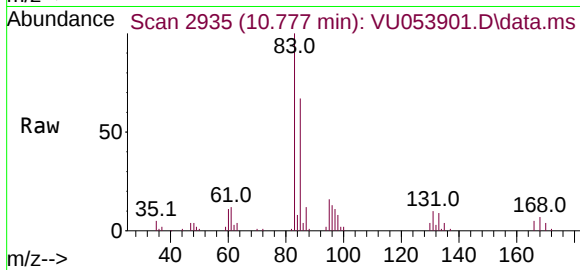
Tgt Ion: 83 Resp: 41337

Ion Ratio Lower Upper

83 100

85 67.1 43.5 80.9

131 10.4 7.8 11.6



#59

Bromoform

Concen: 5.298 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

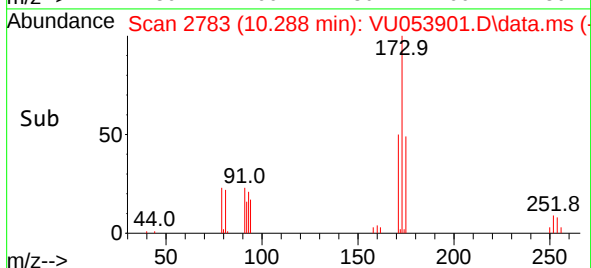
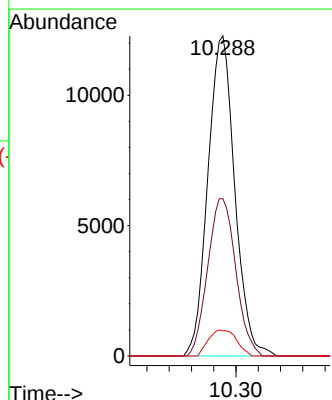
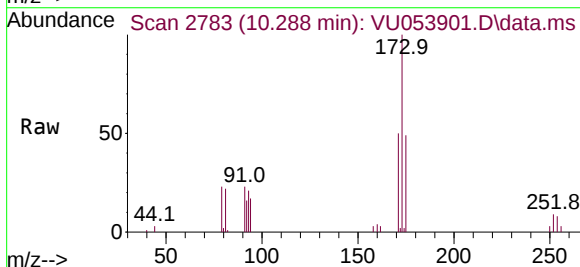
Tgt Ion:173 Resp: 20549

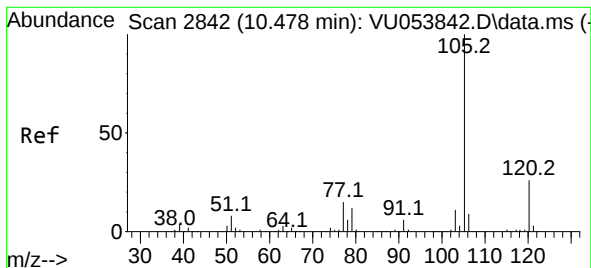
Ion Ratio Lower Upper

173 100

175 51.2 37.4 56.2

254 8.4 7.1 10.7





#60

Isopropylbenzene

Concen: 5.634 ug/L

RT: 10.481 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD005162

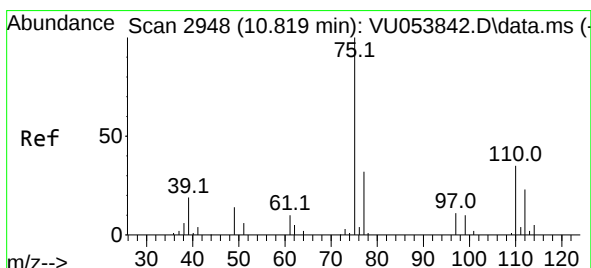
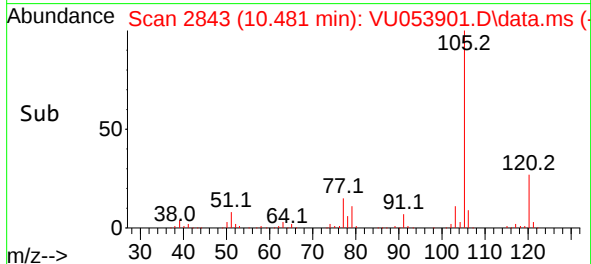
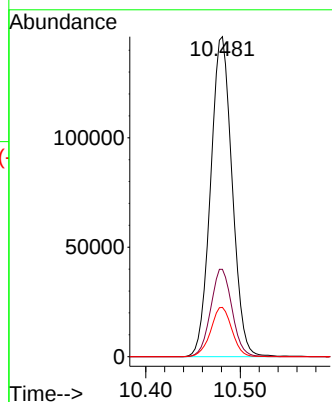
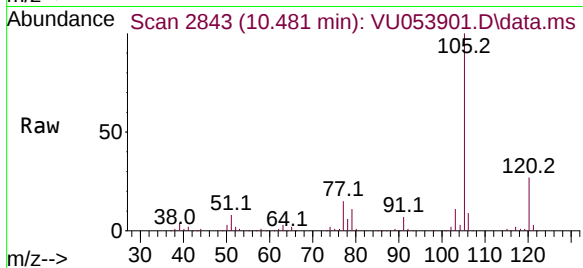
Tgt Ion:105 Resp: 231106

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.0

77 15.2 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 5.561 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

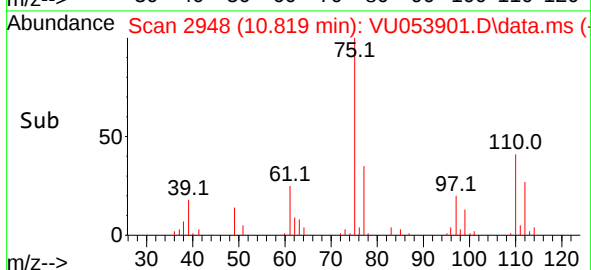
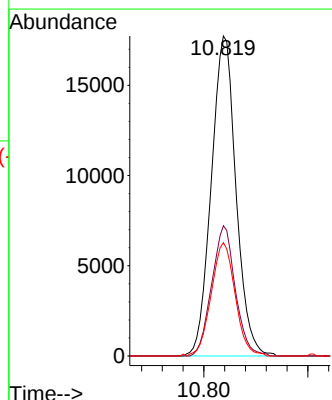
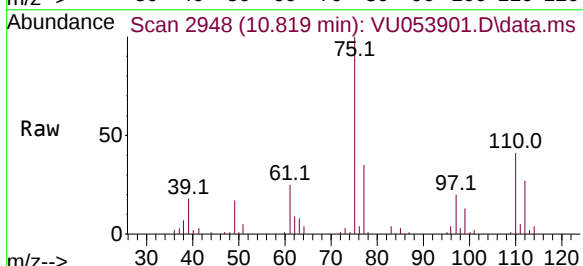
Tgt Ion: 75 Resp: 29253

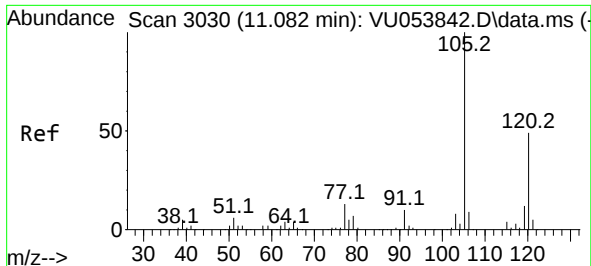
Ion Ratio Lower Upper

75 100

110 38.8 30.7 46.1

77 34.3 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 5.487 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.003 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

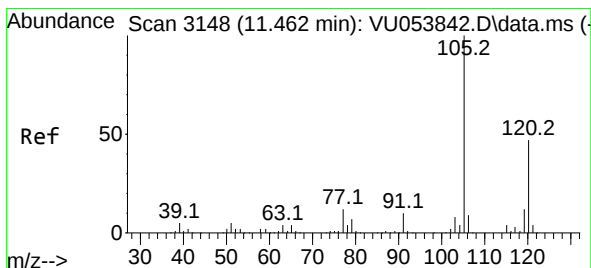
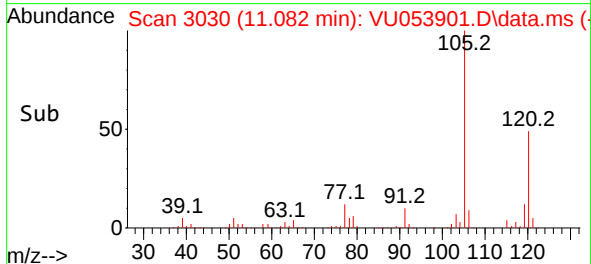
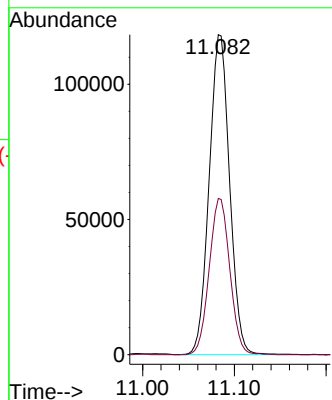
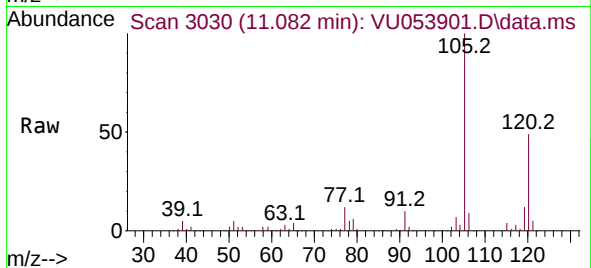
VSTD005162

Tgt Ion:105 Resp: 182952

Ion Ratio Lower Upper

105 100

120 49.2 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 5.573 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.003 min

Lab File: VU053901.D

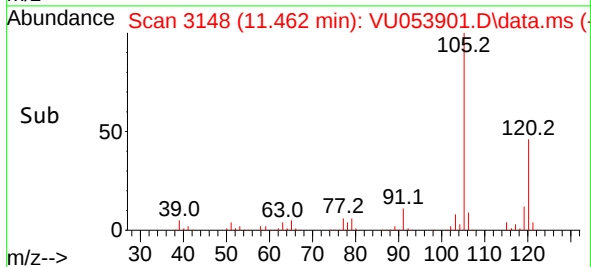
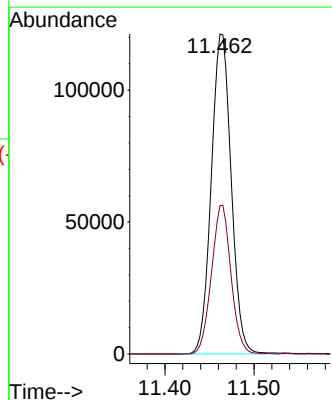
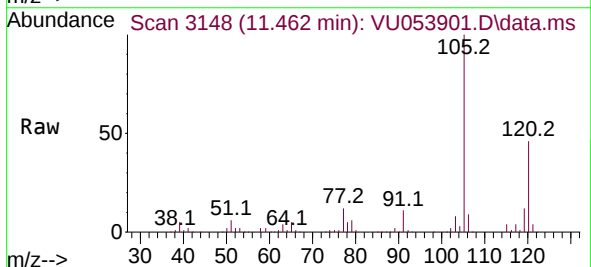
Acq: 26 Apr 2023 09:35

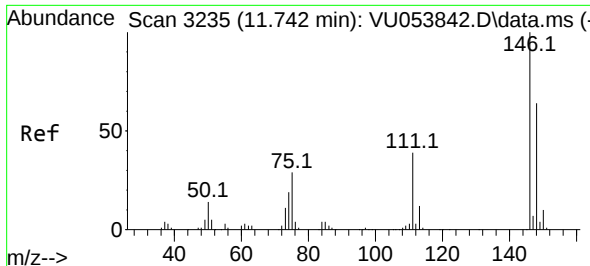
Tgt Ion:105 Resp: 188033

Ion Ratio Lower Upper

105 100

120 45.4 37.1 55.7

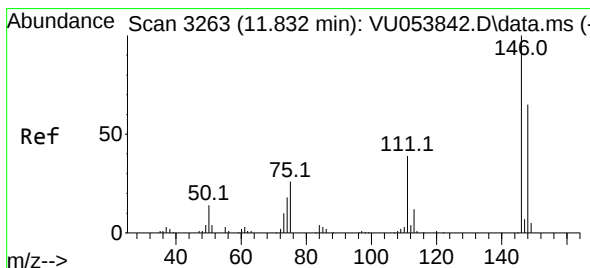
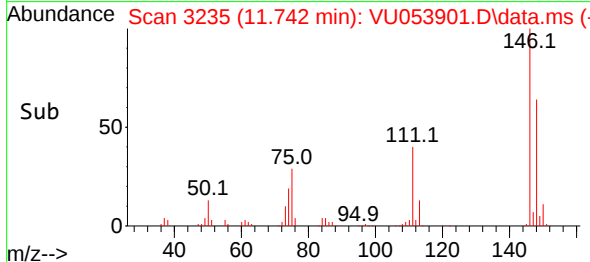
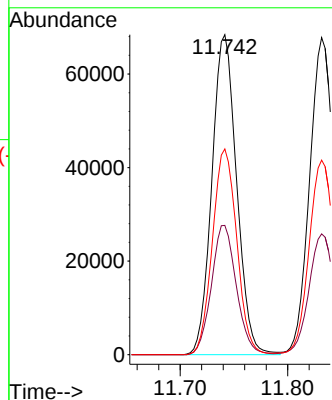
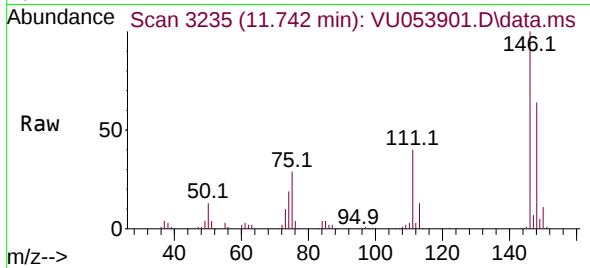




#64
1,3-Dichlorobenzene
Concen: 5.335 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

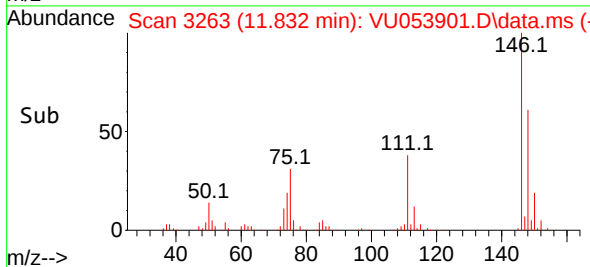
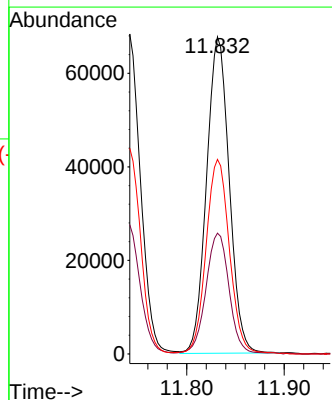
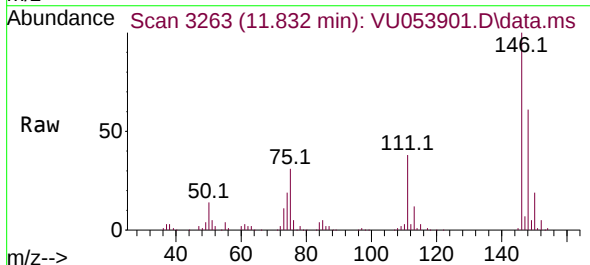
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

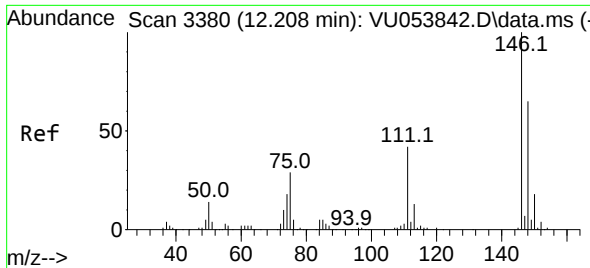
Tgt Ion:146 Resp: 109361
Ion Ratio Lower Upper
146 100
111 40.4 27.9 51.9
148 64.3 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 5.283 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion:146 Resp: 109427
Ion Ratio Lower Upper
146 100
111 38.1 28.3 52.7
148 61.4 45.4 84.2

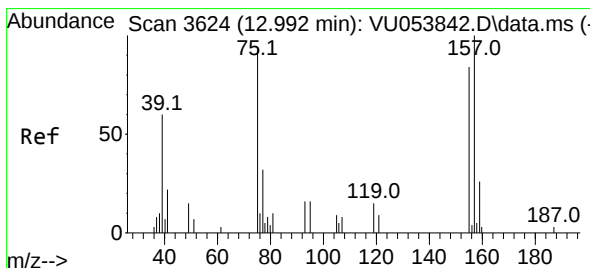
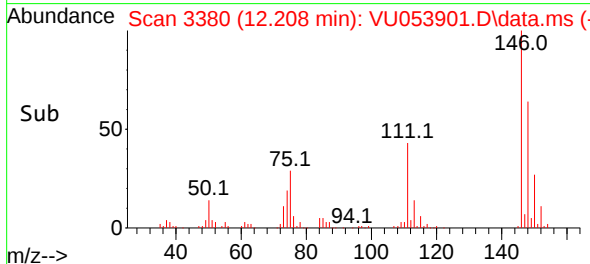
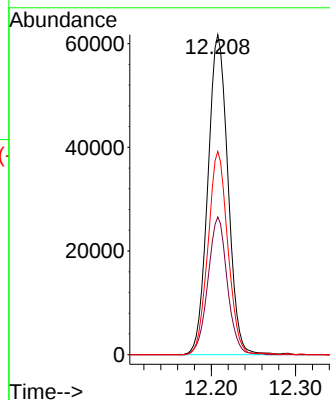
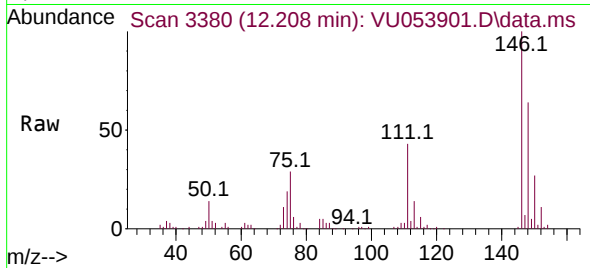




#67
1,2-Dichlorobenzene
Concen: 5.400 ug/L
RT: 12.208 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

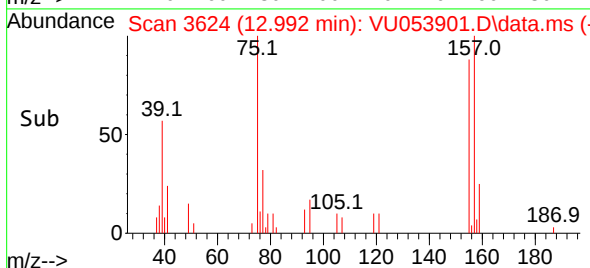
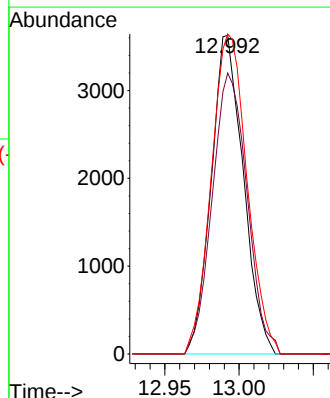
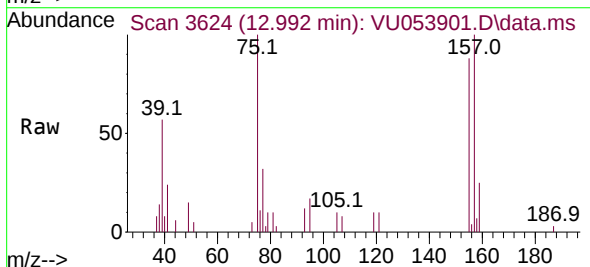
Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

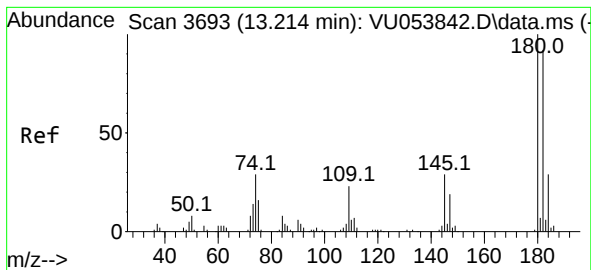
Tgt Ion:146 Resp: 102221
Ion Ratio Lower Upper
146 100
111 43.0 32.6 49.0
148 63.5 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 5.033 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion: 75 Resp: 5456
Ion Ratio Lower Upper
75 100
155 88.2 72.8 109.2
157 100.4 89.1 133.7





#69

1,3,5-Trichlorobenzene

Concen: 5.274 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD005162

Tgt Ion:180 Resp: 77409

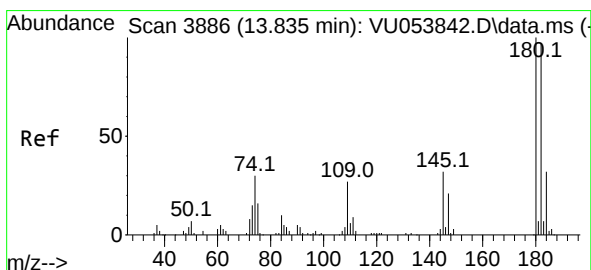
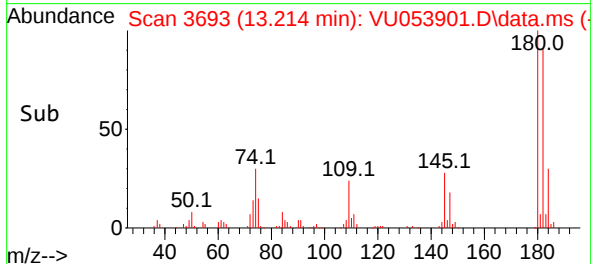
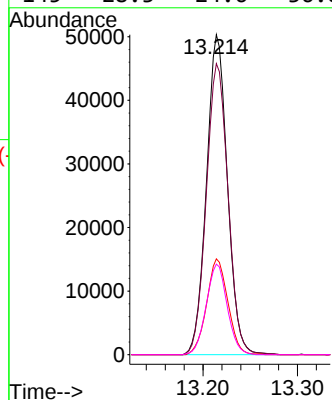
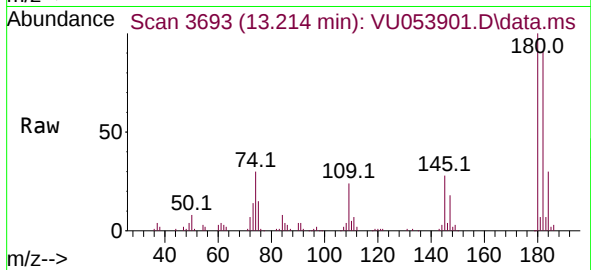
Ion Ratio Lower Upper

180 100

182 94.5 75.1 112.7

184 30.4 24.2 36.2

145 28.3 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 4.616 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU053901.D

Acq: 26 Apr 2023 09:35

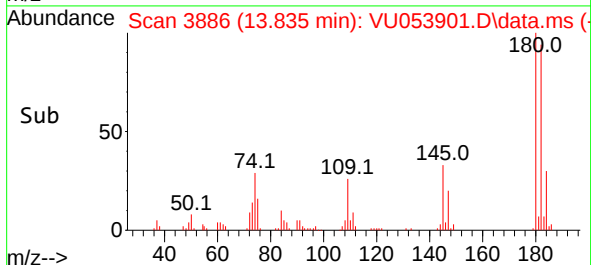
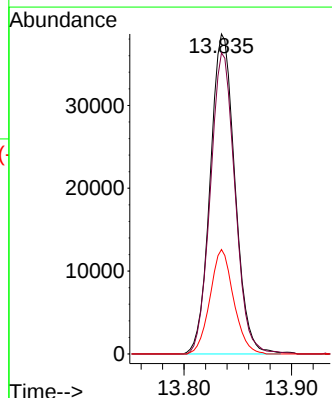
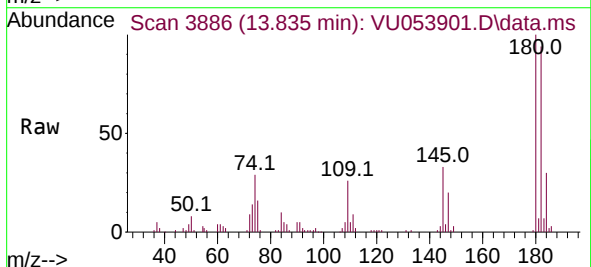
Tgt Ion:180 Resp: 61681

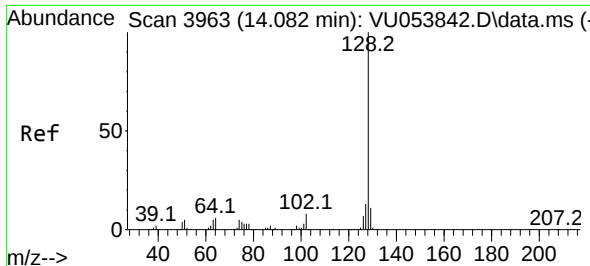
Ion Ratio Lower Upper

180 100

182 93.7 75.5 113.3

145 31.2 25.8 38.6

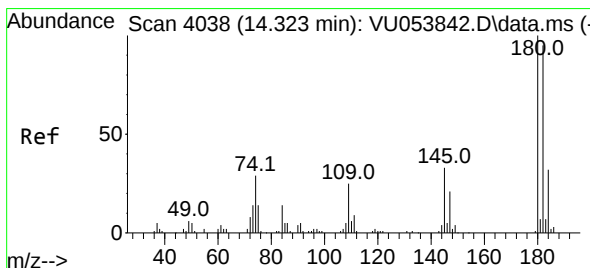
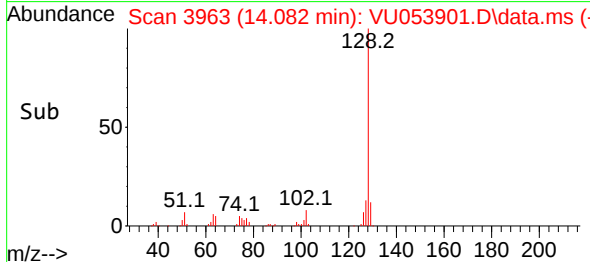
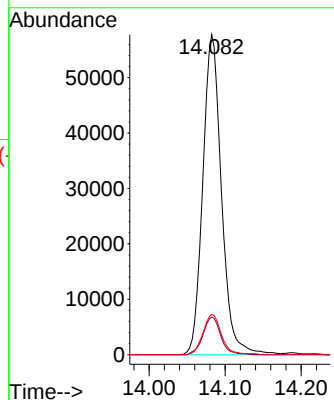
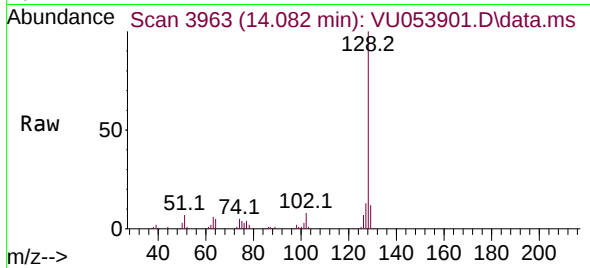




#71
Naphthalene
Concen: 4.176 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD005162

Tgt Ion:128 Resp: 98624
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 12.3 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.626 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU053901.D
Acq: 26 Apr 2023 09:35

Tgt Ion:180 Resp: 55156
Ion Ratio Lower Upper
180 100
182 93.2 77.4 116.2
145 33.0 26.8 40.2

