

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020623\
 Data File : VU052993.D
 Acq On : 06 Feb 2023 20:40
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005135

Quant Time: Feb 07 01:10:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Feb 05 21:58:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	149689	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	9.414	117	148253	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	83267	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	52836	4.018	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.400%
7) Chloroethane-d5	1.912	69	49177	4.590	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.565	65	26376	4.554	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	4.639	46	121689	34.608	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.220%
24) Chloroform-d	5.057	84	121256	4.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.697	65	58135	4.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.722	84	236632	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
36) 1,2-Dichloropropane-d6	6.687	67	68082	4.252	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.893	98	219273	5.176	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
43) trans-1,3-Dichloroprop...	8.173	79	24527	4.119	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.629	63	92630	37.447	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.900%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	58647	4.784	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	12.185	152	78330	5.168	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	66616	4.142	ug/L	99
3) Chloromethane	1.517	50	57220	2.930	ug/L	100
5) Vinyl chloride	1.604	62	68867	3.686	ug/L	96
6) Bromomethane	1.858	94	44967	4.636	ug/L	97
8) Chloroethane	1.935	64	45123	3.972	ug/L	96
9) Trichlorofluoromethane	2.137	101	117237	5.322	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	66581	5.138	ug/L	94
12) 1,1-Dichloroethene	2.578	96	62670	4.829	ug/L	85
13) Acetone	2.668	43	90846	36.024	ug/L	91
14) Carbon disulfide	2.790	76	164524	3.668	ug/L	99
15) Methyl Acetate	2.961	43	22883	3.785	ug/L	# 83
16) Methylene chloride	3.044	84	73964	4.283	ug/L	81
17) Methyl tert-butyl Ether	3.359	73	138757	4.831	ug/L	94
18) trans-1,2-Dichloroethene	3.350	96	65214	4.927	ug/L	84
19) 1,1-Dichloroethane	3.864	63	119993	4.366	ug/L	98
21) 2-Butanone	4.716	43	144368	35.563	ug/L	87
22) cis-1,2-Dichloroethene	4.661	96	70887	4.987	ug/L	88
23) Bromochloromethane	4.970	128	34109	5.669	ug/L	# 70
25) Chloroform	5.083	83	133993	4.959	ug/L	98

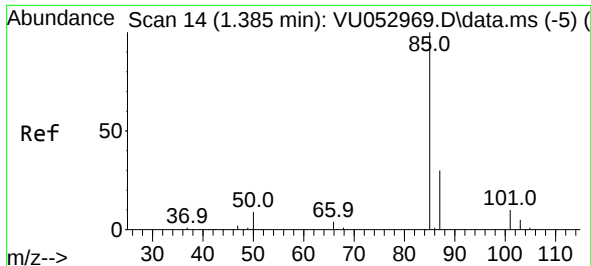
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	78186	4.775	ug/L	97
29) 1,1,1-Trichloroethane	5.311	97	114896	4.940	ug/L	94
30) Cyclohexane	5.385	56	83148	3.553	ug/L	87
31) Carbon tetrachloride	5.520	117	99853	5.479	ug/L	100
33) Benzene	5.771	78	278148	4.740	ug/L	100
34) Trichloroethene	6.539	95	68049	4.903	ug/L	89
35) Methylcyclohexane	6.761	83	94331	4.116	ug/L	90
37) 1,2-Dichloropropane	6.784	63	69605	4.420	ug/L #	97
38) Bromodichloromethane	7.099	83	94102	5.075	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	88454	4.425	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	343304	38.118	ug/L #	87
42) Toluene	7.964	91	298976	5.115	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	79322	4.597	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	54474	5.500	ug/L	93
47) Tetrachloroethene	8.549	164	57189	5.592	ug/L	94
48) 2-Hexanone	8.681	43	259992	39.426	ug/L #	88
49) Dibromochloromethane	8.806	129	66177	5.779	ug/L	100
50) 1,2-Dibromoethane	8.918	107	49795	5.469	ug/L #	99
51) Chlorobenzene	9.443	112	192826	5.296	ug/L	92
52) Ethylbenzene	9.565	91	291457	4.895	ug/L	94
53) m,p-Xylene	9.690	106	121518	5.387	ug/L	95
54) o-Xylene	10.095	106	115294	5.346	ug/L	99
55) Styrene	10.108	104	204460	5.558	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.777	83	65417	5.056	ug/L #	92
59) Bromoform	10.285	173	37433	5.781	ug/L	99
60) Isopropylbenzene	10.478	105	302378	5.123	ug/L	96
61) 1,2,3-Trichloropropane	10.819	75	45069	4.657	ug/L #	90
62) 1,3,5-Trimethylbenzene	11.082	105	236605	5.026	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	238503	5.029	ug/L	98
64) 1,3-Dichlorobenzene	11.738	146	154062	5.487	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	153339	5.354	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	145063	5.491	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	10345	4.635	ug/L #	75
69) 1,3,5-Trichlorobenzene	13.214	180	107557	5.157	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	83346	4.983	ug/L	97
71) Naphthalene	14.079	128	125070	4.307	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	80290	5.240	ug/L	99

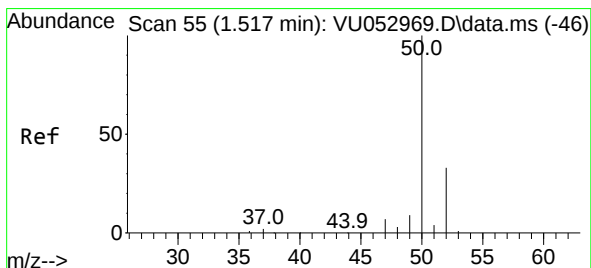
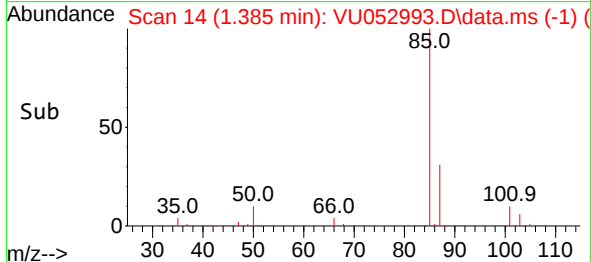
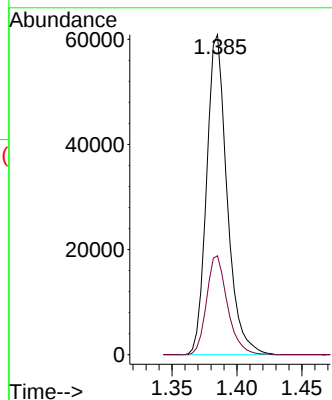
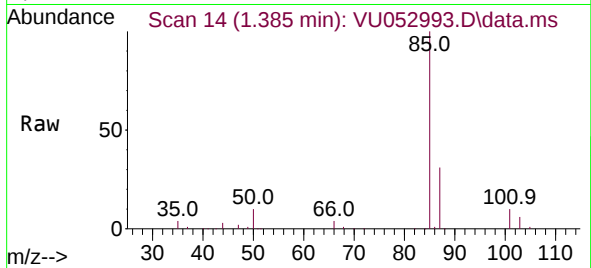
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.142 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

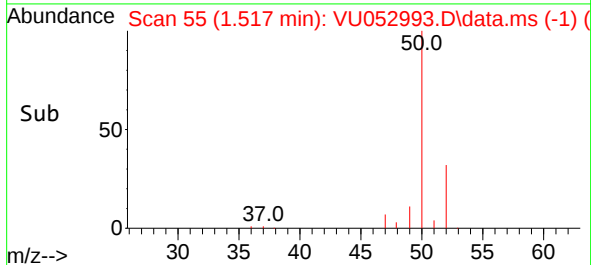
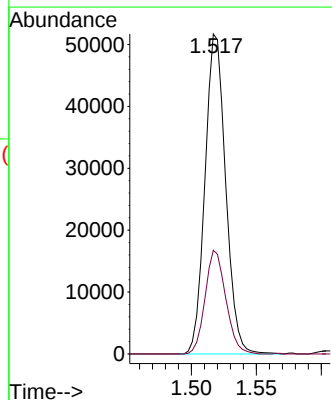
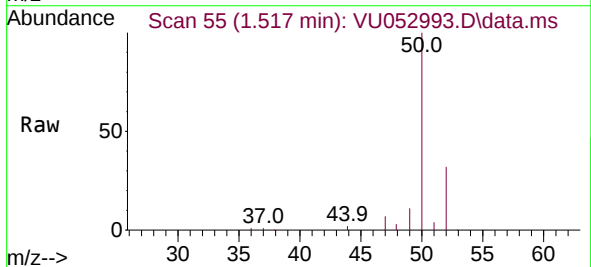
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

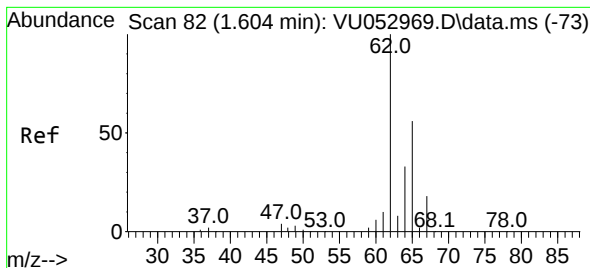
Tgt Ion: 85 Resp: 66616
Ion Ratio Lower Upper
85 100
87 31.6 25.5 38.3



#3
Chloromethane
Concen: 2.930 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion: 50 Resp: 57220
Ion Ratio Lower Upper
50 100
52 32.4 22.7 42.3

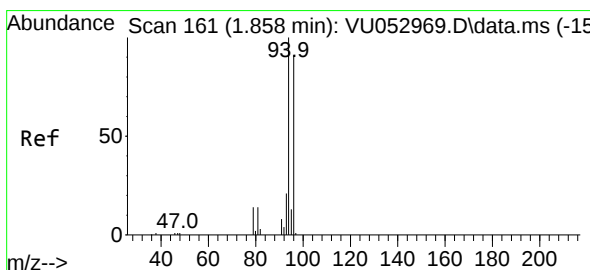
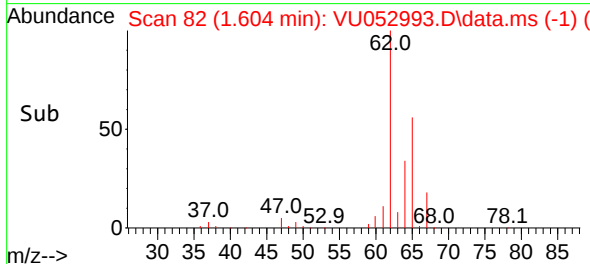
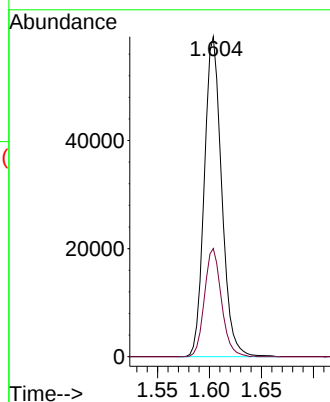
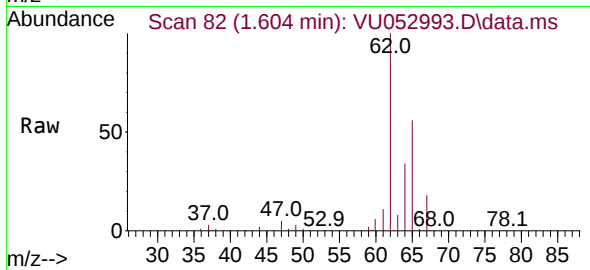




#5
 Vinyl chloride
 Concen: 3.686 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.003 min
 Lab File: VU052993.D
 Acq: 06 Feb 2023 20:40

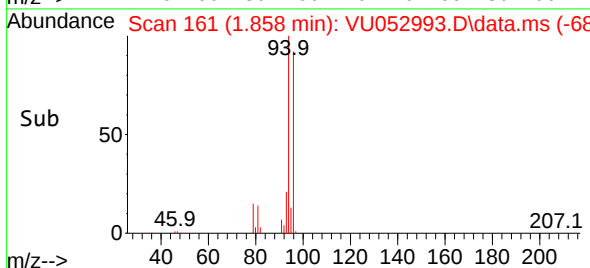
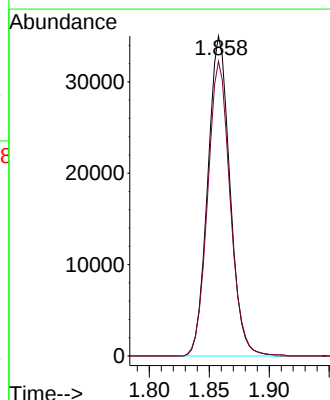
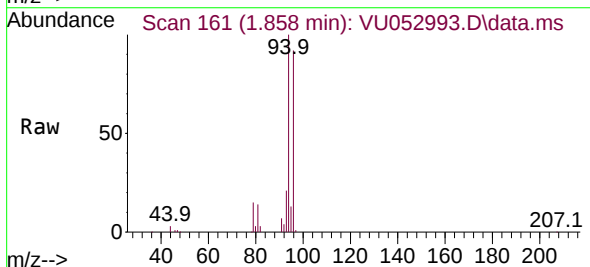
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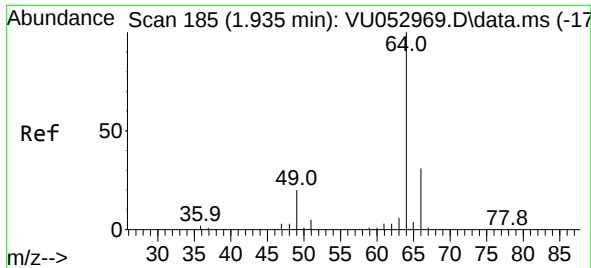
Tgt Ion: 62 Resp: 68867
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.3 41.3



#6
 Bromomethane
 Concen: 4.636 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052993.D
 Acq: 06 Feb 2023 20:40

Tgt Ion: 94 Resp: 44967
 Ion Ratio Lower Upper
 94 100
 96 92.1 62.2 115.6

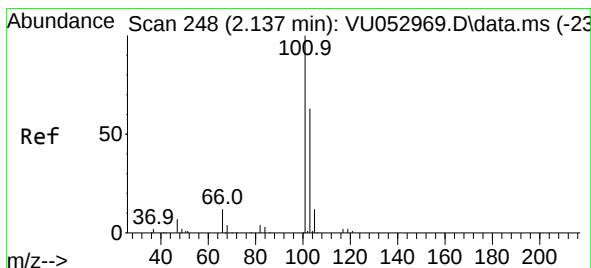
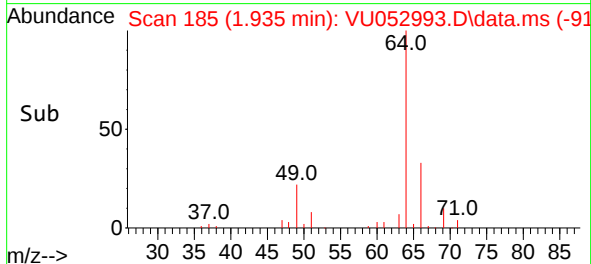
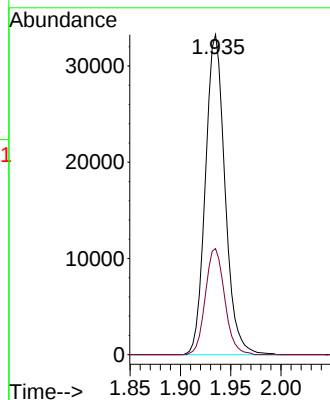
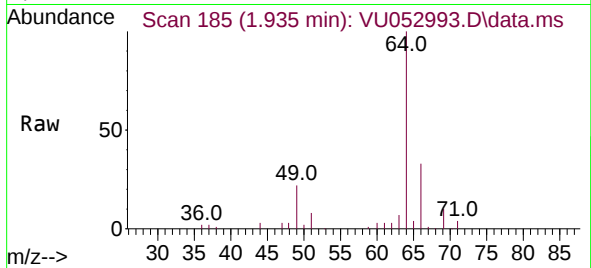




#8
Chloroethane
Concen: 3.972 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

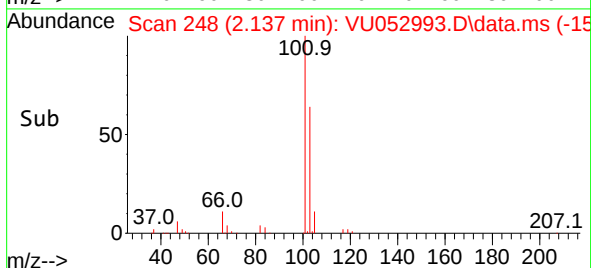
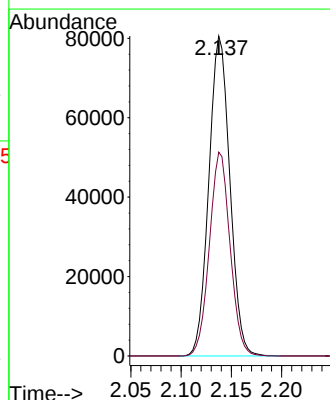
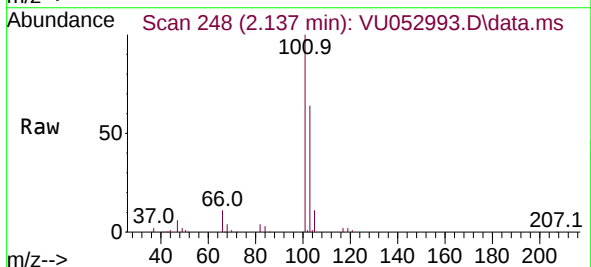
Instrument :
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ClientSampleId :
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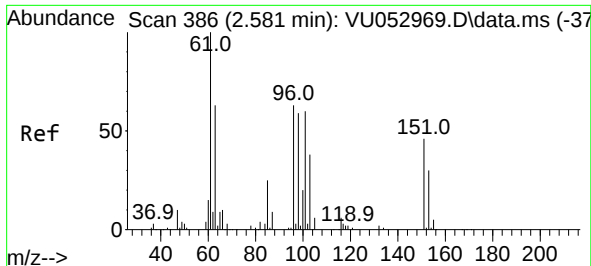
Tgt Ion: 64 Resp: 45123
Ion Ratio Lower Upper
64 100
66 33.2 21.6 40.2



#9
Trichlorofluoromethane
Concen: 5.322 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion:101 Resp: 117237
Ion Ratio Lower Upper
101 100
103 62.7 51.0 76.6

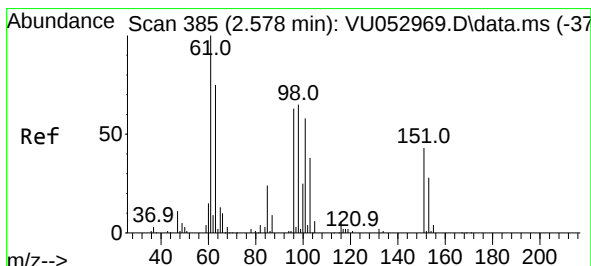
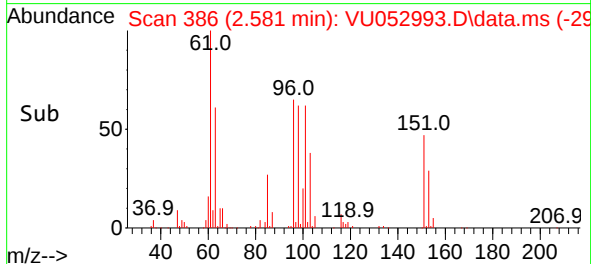
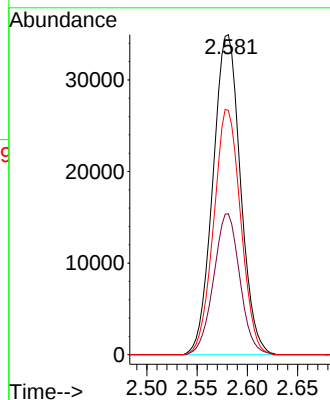
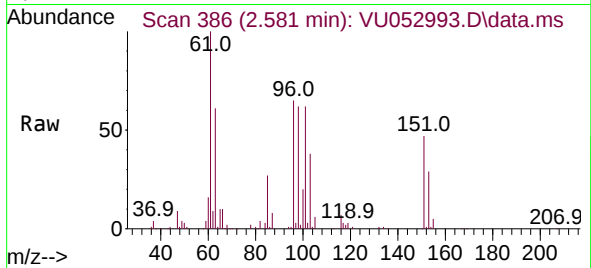




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.138 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU052993.D
 Acq: 06 Feb 2023 20:40

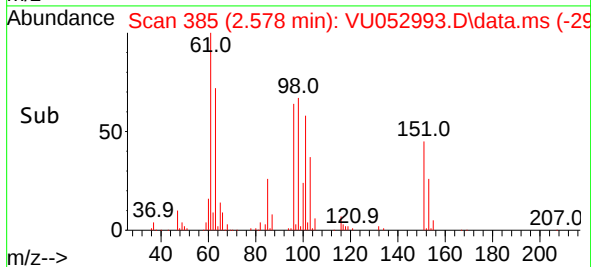
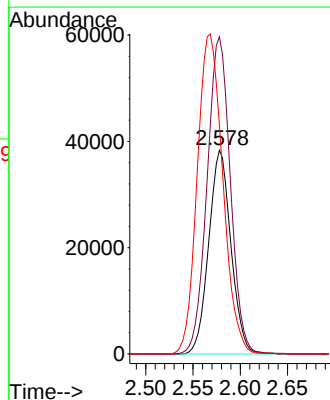
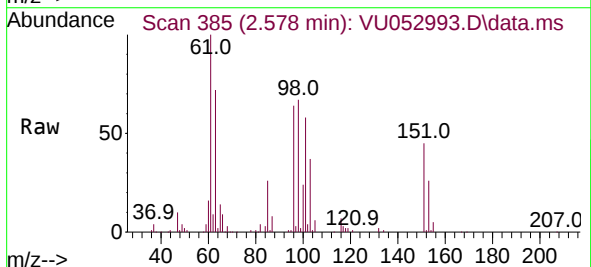
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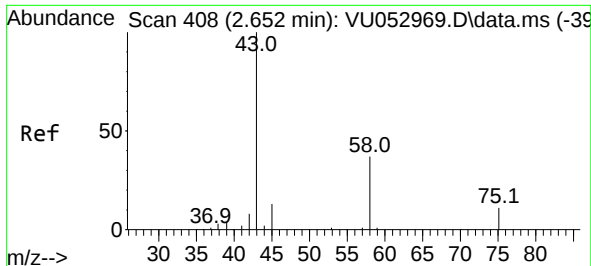
Tgt Ion:101 Resp: 66581
 Ion Ratio Lower Upper
 101 100
 85 42.0 35.0 52.6
 151 75.2 55.0 82.6



#12
 1,1-Dichloroethene
 Concen: 4.829 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052993.D
 Acq: 06 Feb 2023 20:40

Tgt Ion: 96 Resp: 62670
 Ion Ratio Lower Upper
 96 100
 61 155.7 129.6 240.8
 63 112.5 83.7 155.5





#13

Acetone

Concen: 36.024 ug/L

RT: 2.668 min Scan# 41

Delta R.T. 0.019 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

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MSVOA_U

ClientSampleId :

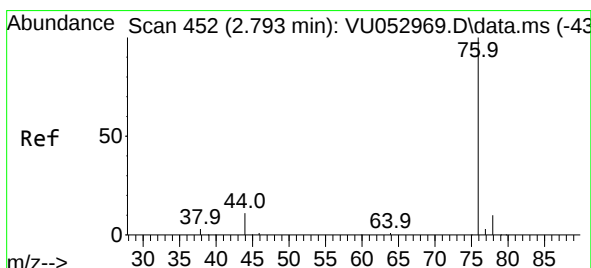
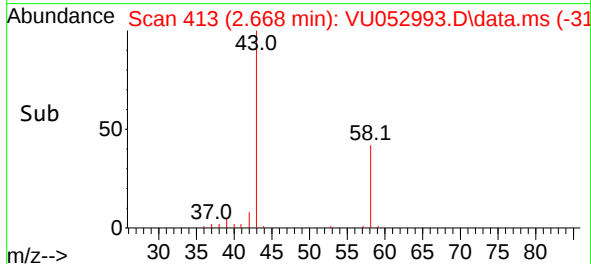
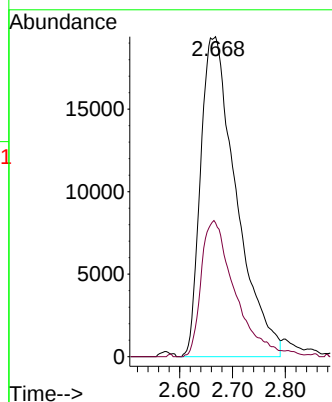
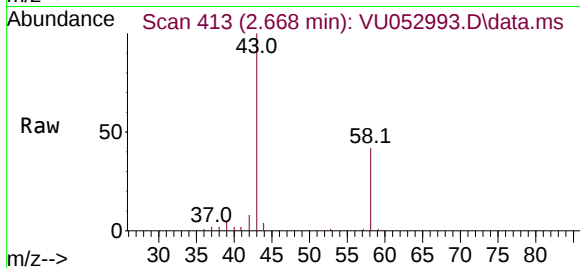
VSTD005135

Tgt Ion: 43 Resp: 90846

Ion Ratio Lower Upper

43 100

58 39.8 0.0 68.8



#14

Carbon disulfide

Concen: 3.668 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052993.D

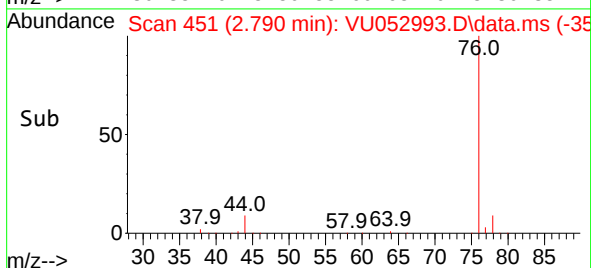
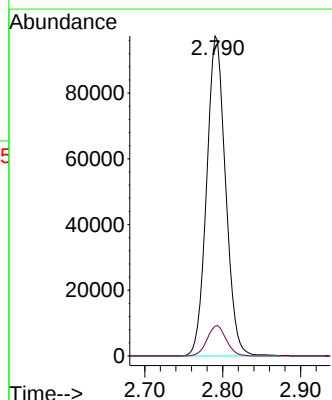
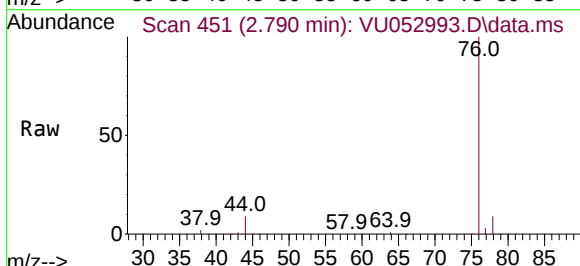
Acq: 06 Feb 2023 20:40

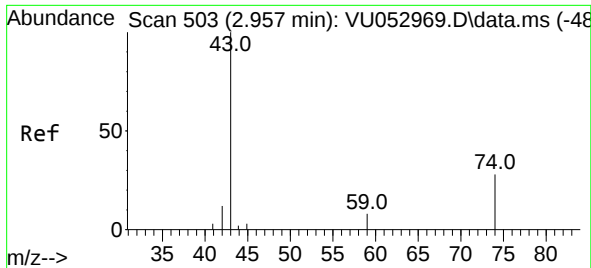
Tgt Ion: 76 Resp: 164524

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

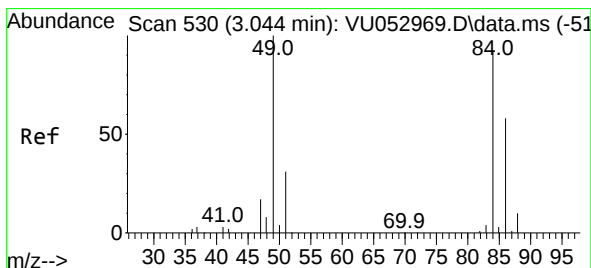
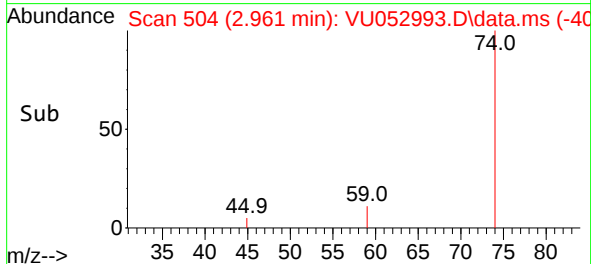
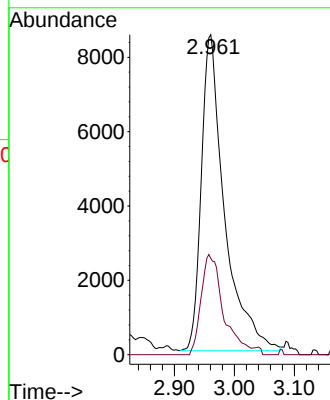
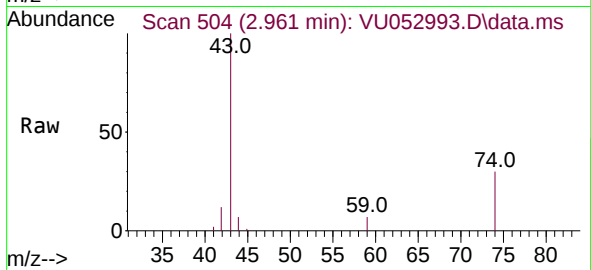




#15
Methyl Acetate
Concen: 3.785 ug/L
RT: 2.961 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

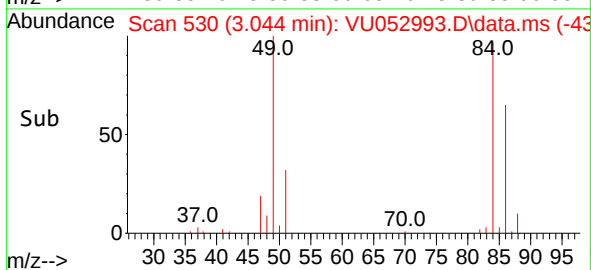
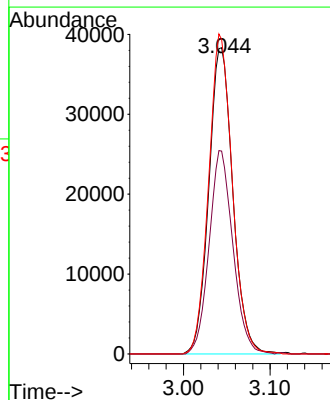
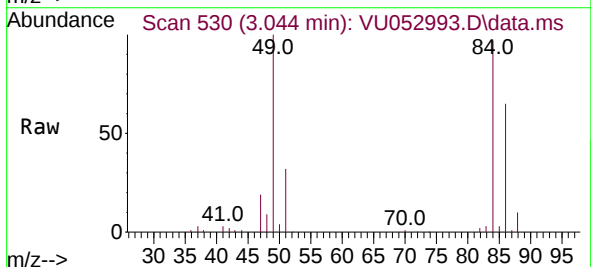
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

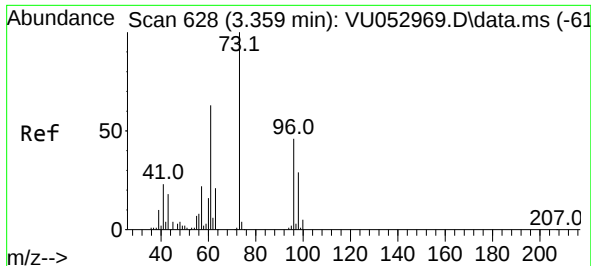
Tgt Ion: 43 Resp: 22883
Ion Ratio Lower Upper
43 100
74 30.2 17.5 26.3#



#16
Methylene chloride
Concen: 4.283 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion: 84 Resp: 73964
Ion Ratio Lower Upper
84 100
86 66.3 45.6 84.6
49 102.7 94.8 176.0

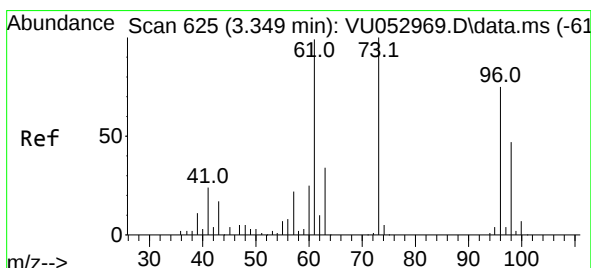
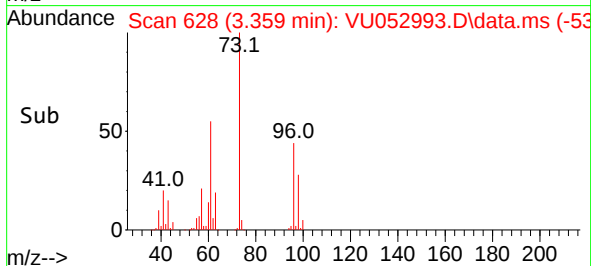
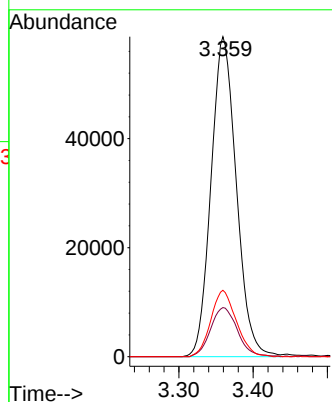
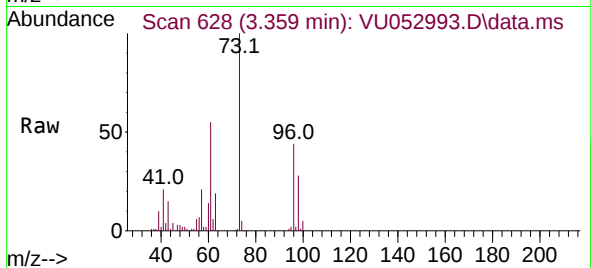




#17
Methyl tert-butyl Ether
Concen: 4.831 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

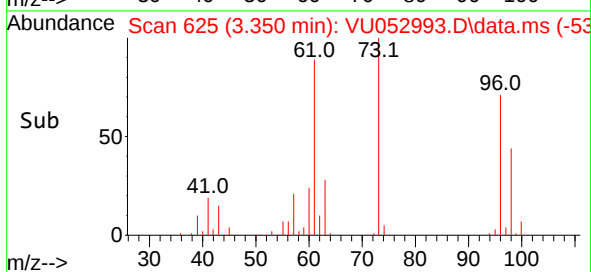
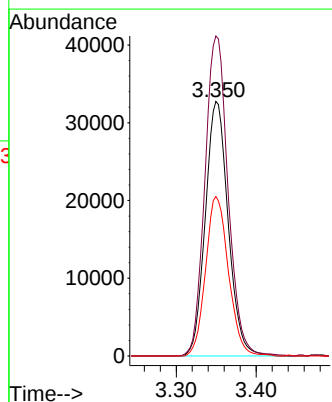
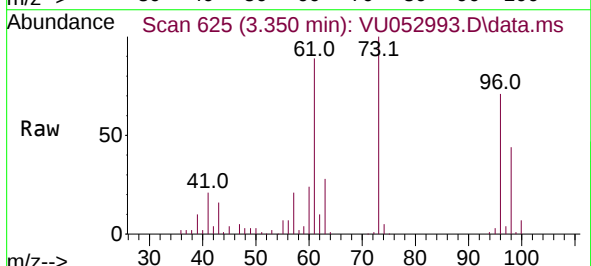
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

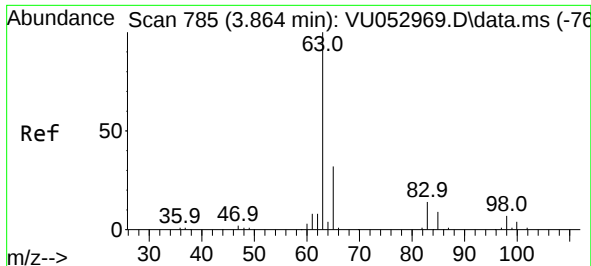
Tgt Ion: 73 Resp: 138757
Ion Ratio Lower Upper
73 100
43 16.3 15.8 23.8
57 21.0 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.927 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion: 96 Resp: 65214
Ion Ratio Lower Upper
96 100
61 125.7 108.4 201.4
98 62.6 43.8 81.4





#19

1,1-Dichloroethane

Concen: 4.366 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005135

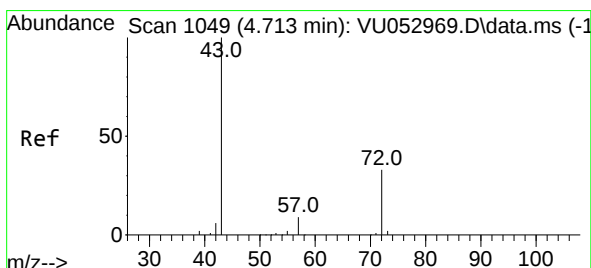
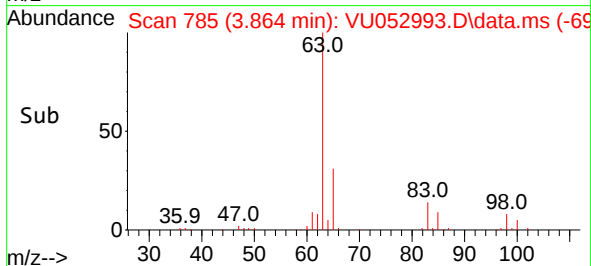
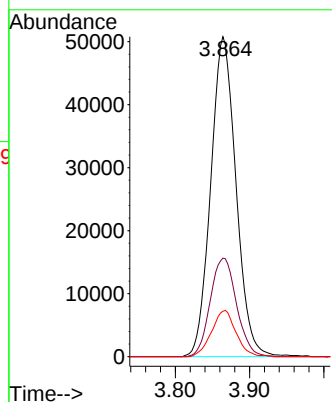
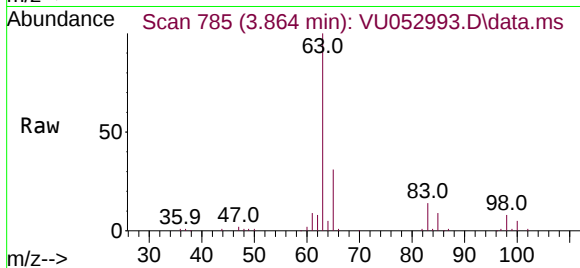
Tgt Ion: 63 Resp: 119993

Ion Ratio Lower Upper

63 100

65 30.8 22.0 41.0

83 14.2 8.9 16.5



#21

2-Butanone

Concen: 35.563 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU052993.D

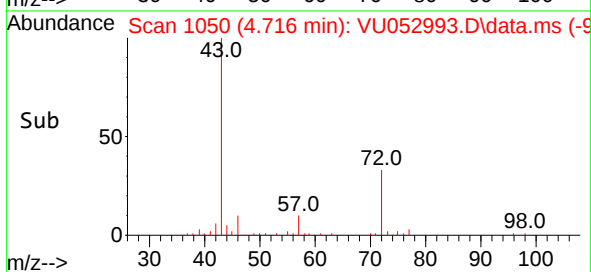
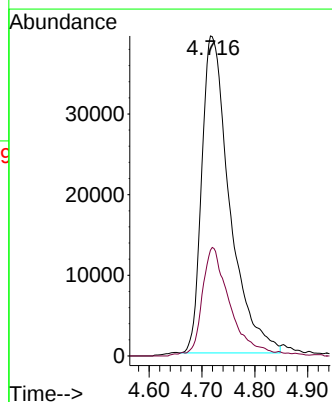
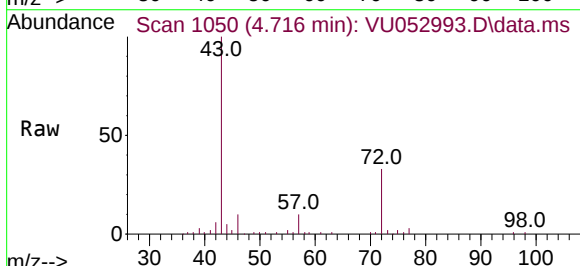
Acq: 06 Feb 2023 20:40

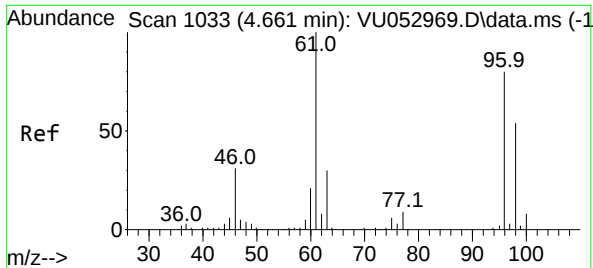
Tgt Ion: 43 Resp: 144368

Ion Ratio Lower Upper

43 100

72 32.1 12.9 38.6

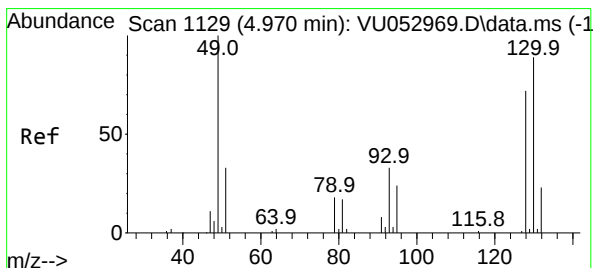
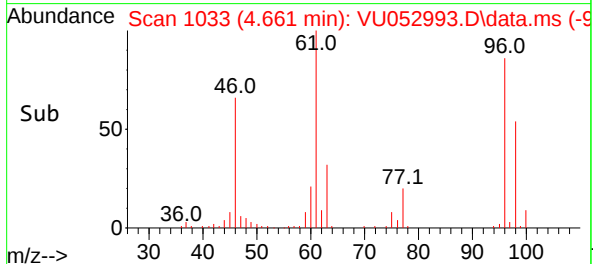
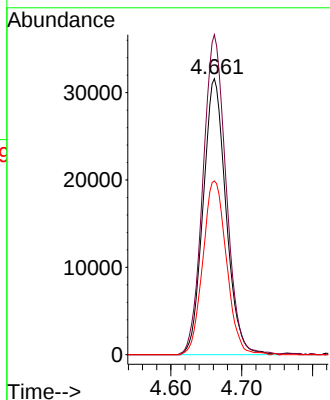
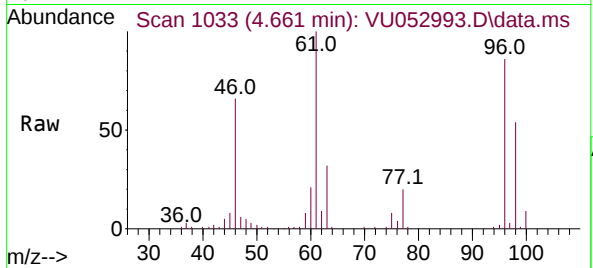




#22
 cis-1,2-Dichloroethene
 Concen: 4.987 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU052993.D
 Acq: 06 Feb 2023 20:40

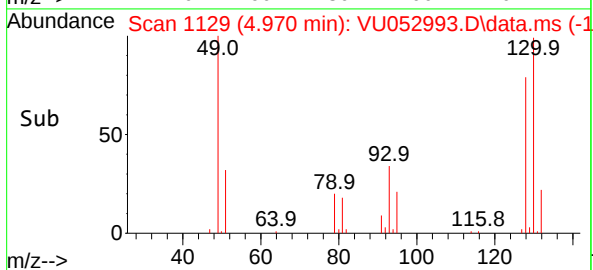
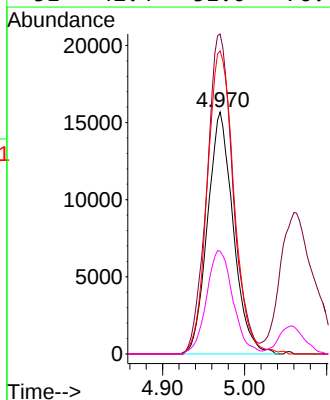
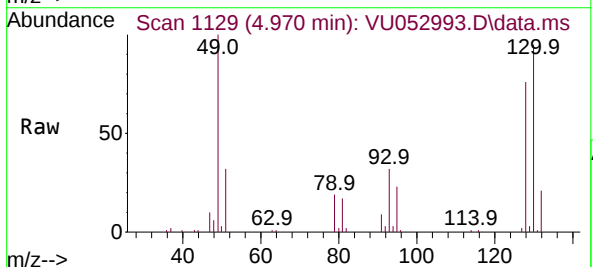
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005135

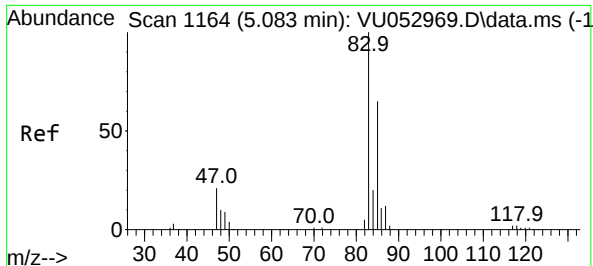
Tgt Ion:	96	Resp:	70887
Ion	Ratio	Lower	Upper
96	100		
61	115.9	94.6	175.8
98	63.0	43.3	80.3



#23
 Bromochloromethane
 Concen: 5.669 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VU052993.D
 Acq: 06 Feb 2023 20:40

Tgt Ion:	128	Resp:	34109
Ion	Ratio	Lower	Upper
128	100		
49	132.3	142.8	265.2#
130	125.3	91.3	169.5
51	42.4	51.0	76.4#





#25

Chloroform

Concen: 4.959 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Instrument :

MSVOA_U

ClientSampleId :

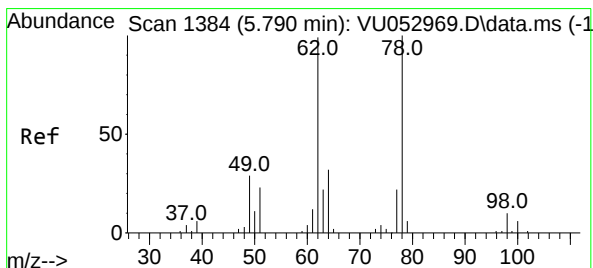
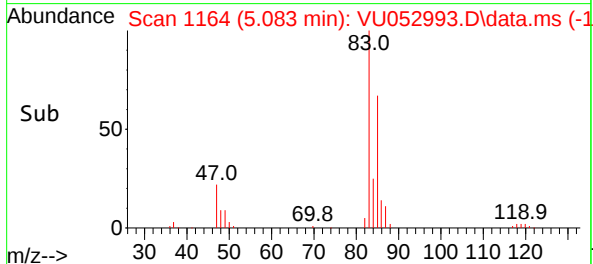
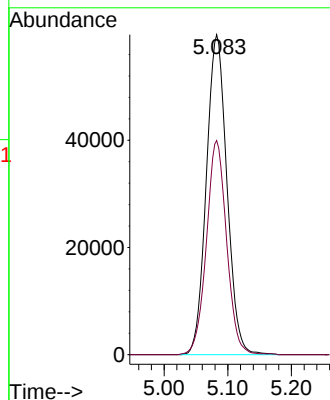
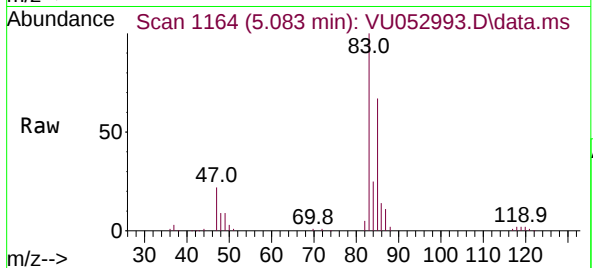
VSTD005135

Tgt Ion: 83 Resp: 133993

Ion Ratio Lower Upper

83 100

85 66.9 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.775 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU052993.D

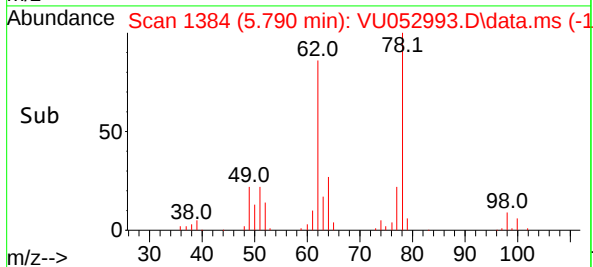
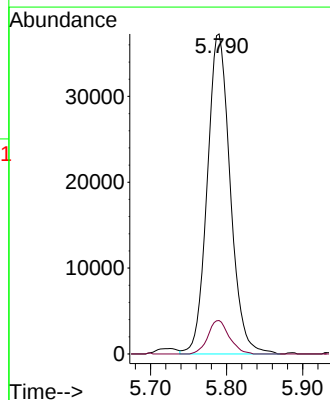
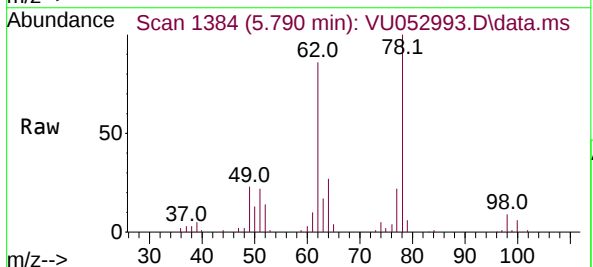
Acq: 06 Feb 2023 20:40

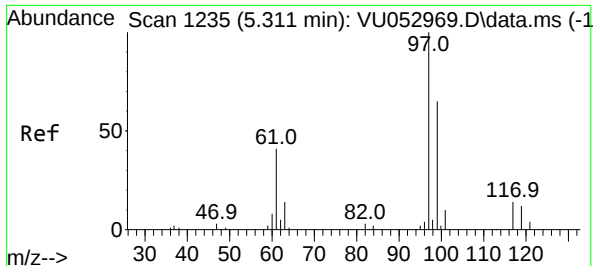
Tgt Ion: 62 Resp: 78186

Ion Ratio Lower Upper

62 100

98 10.5 7.5 11.3

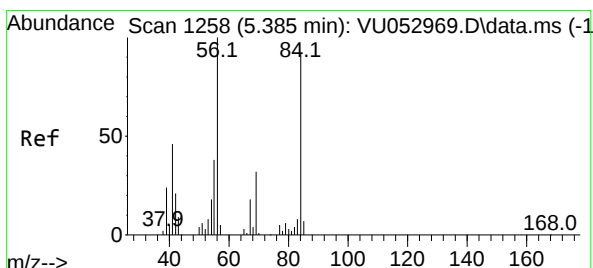
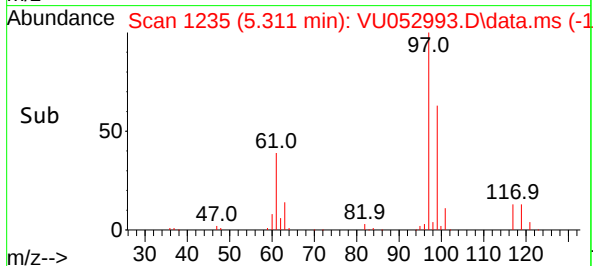
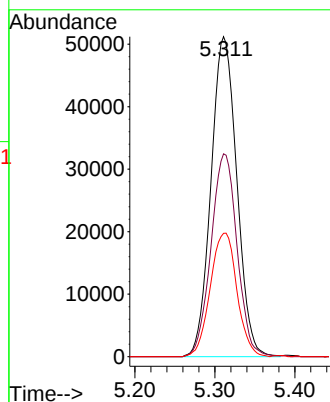
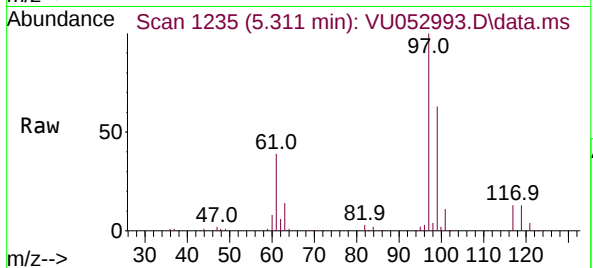




#29
1,1,1-Trichloroethane
Concen: 4.940 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

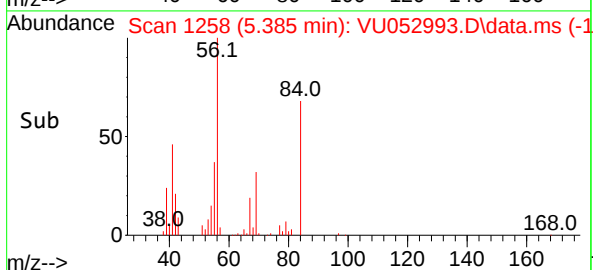
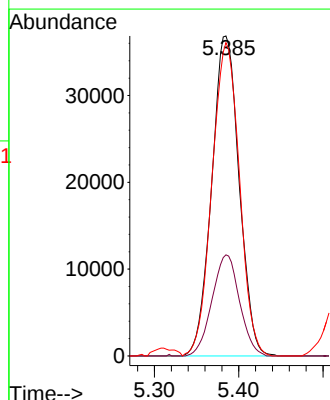
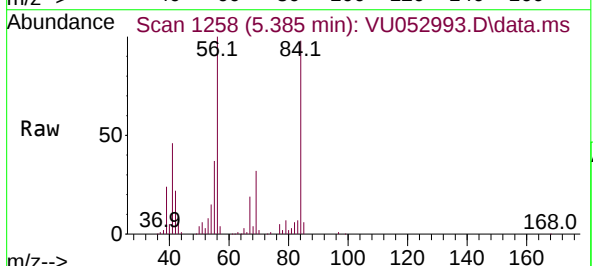
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

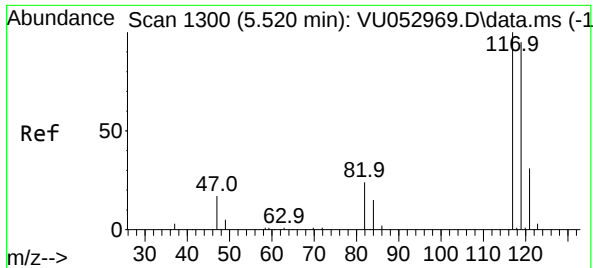
Tgt Ion: 97 Resp: 114896
Ion Ratio Lower Upper
97 100
99 64.1 52.4 78.6
61 39.9 38.5 57.7



#30
Cyclohexane
Concen: 3.553 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion: 56 Resp: 83148
Ion Ratio Lower Upper
56 100
69 31.7 23.8 35.8
84 98.1 66.2 99.4

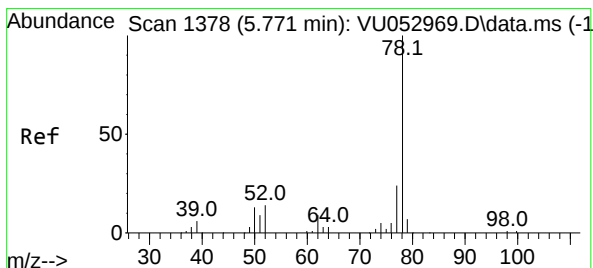
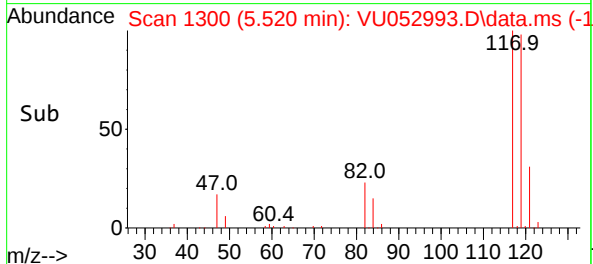
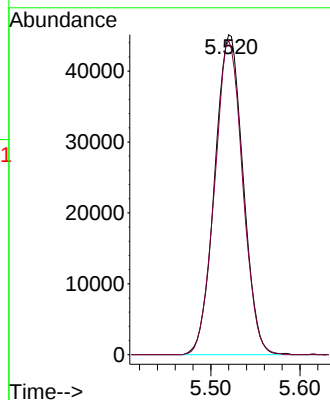
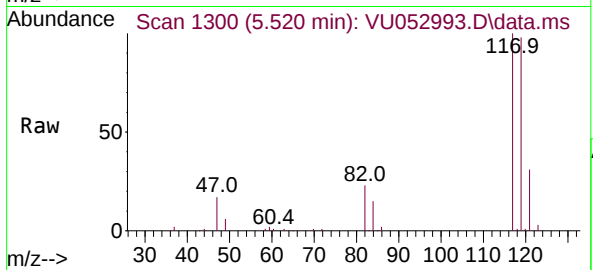




#31
Carbon tetrachloride
Concen: 5.479 ug/L
RT: 5.520 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

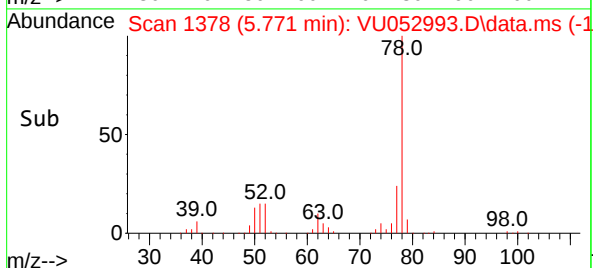
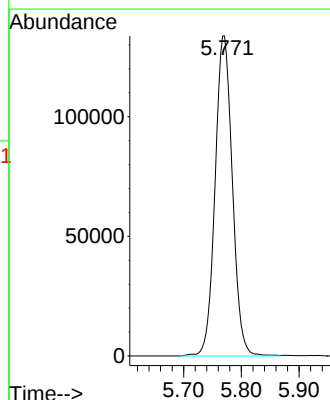
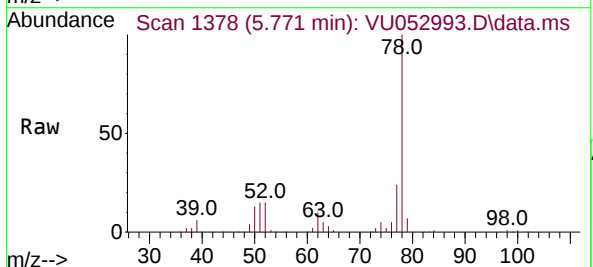
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

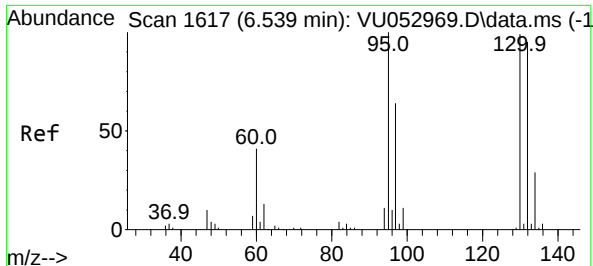
Tgt Ion:117 Resp: 99853
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.8



#33
Benzene
Concen: 4.740 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion: 78 Resp: 278148



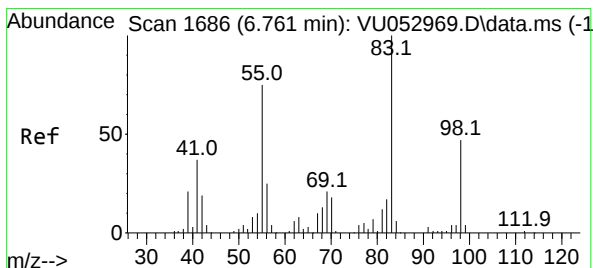
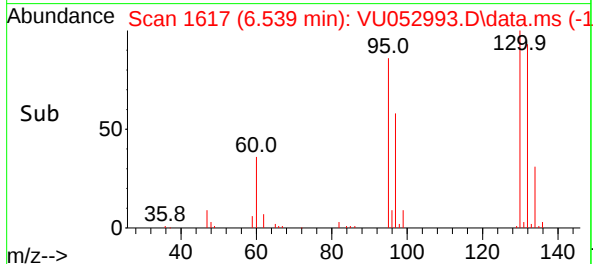
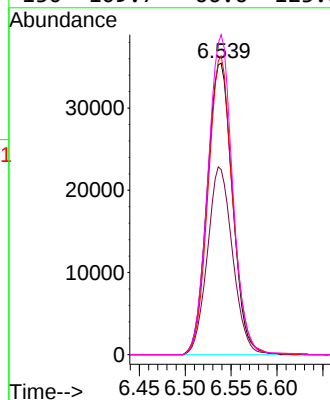
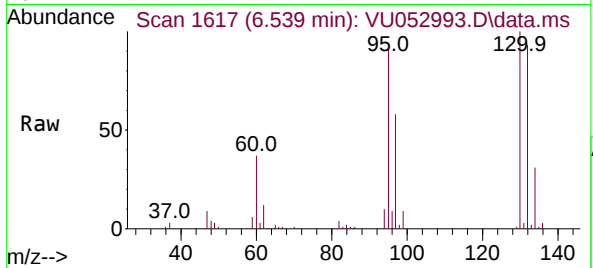


#34
Trichloroethene
Concen: 4.903 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

Tgt Ion: 95 Resp: 68049

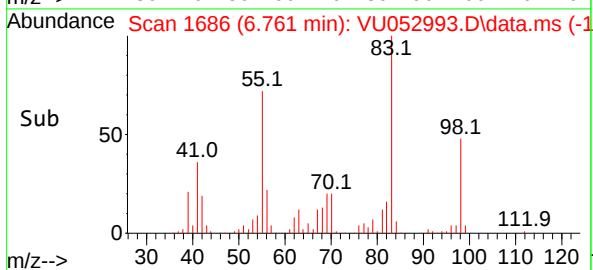
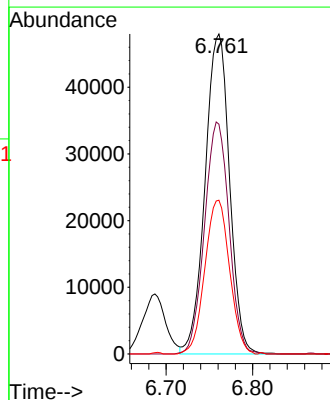
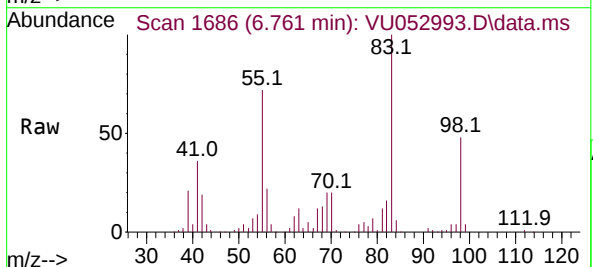
Ion	Ratio	Lower	Upper
95	100		
97	63.5	46.0	85.4
132	102.5	64.0	118.8
130	109.7	66.6	123.8

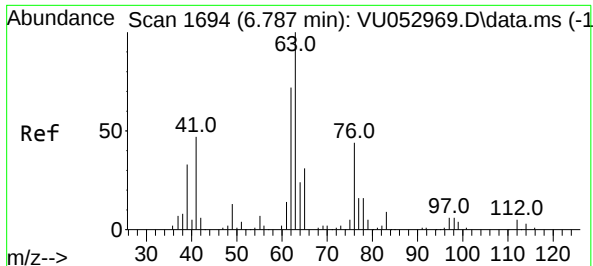


#35
Methylcyclohexane
Concen: 4.116 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion: 83 Resp: 94331

Ion	Ratio	Lower	Upper
83	100		
55	72.5	67.6	101.4
98	48.5	37.1	55.7





#37

1,2-Dichloropropane

Concen: 4.420 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Instrument :

MSVOA_U

ClientSampleId :

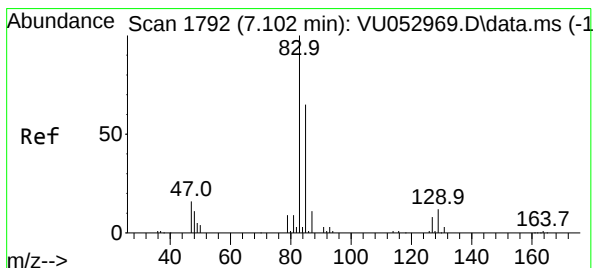
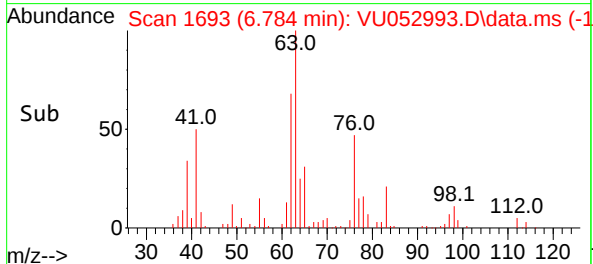
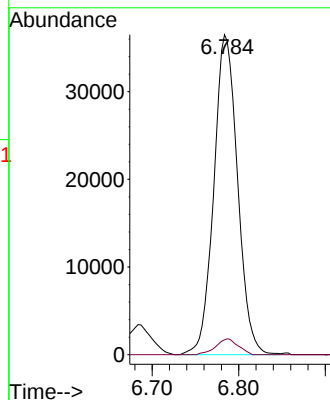
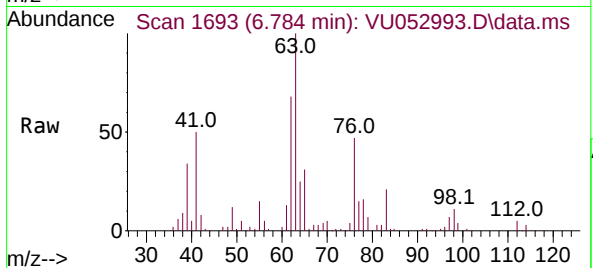
VSTD005135

Tgt Ion: 63 Resp: 69605

Ion Ratio Lower Upper

63 100

112 4.7 2.9 4.3#



#38

Bromodichloromethane

Concen: 5.075 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

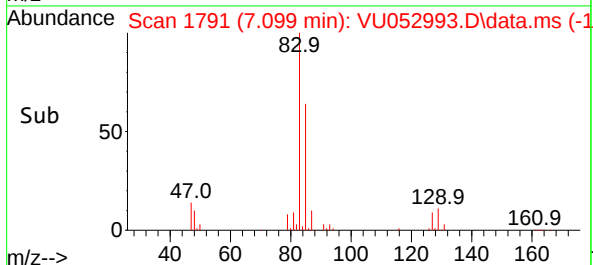
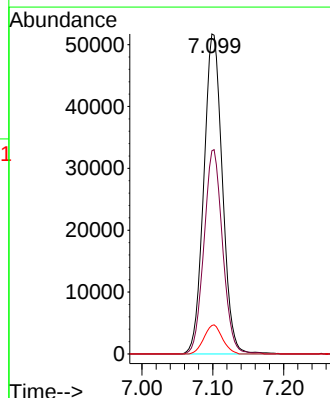
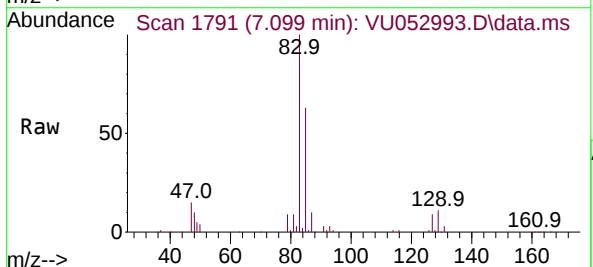
Tgt Ion: 83 Resp: 94102

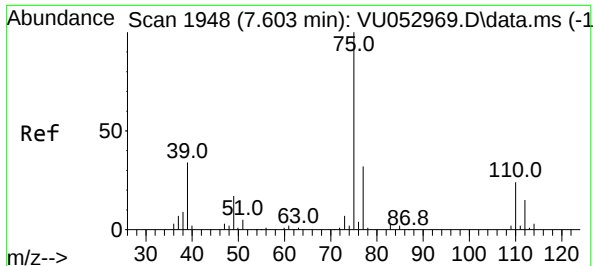
Ion Ratio Lower Upper

83 100

85 63.5 47.0 87.4

127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.425 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Instrument :

MSVOA_U

ClientSampleId :

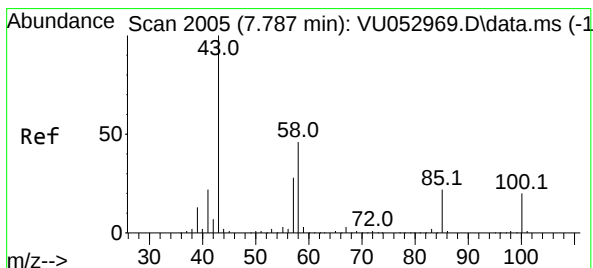
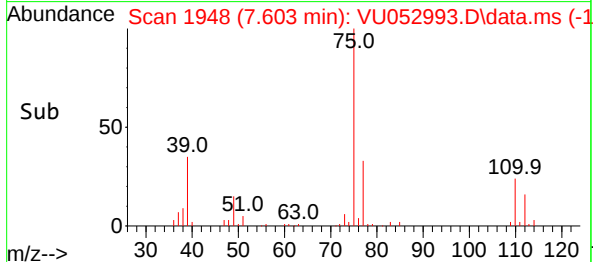
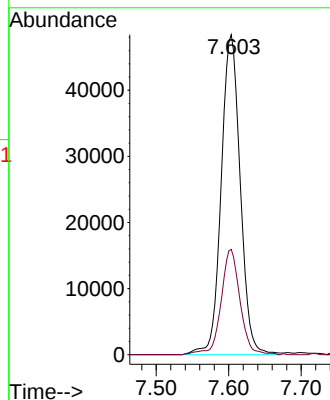
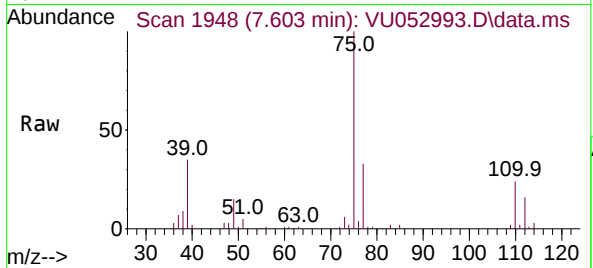
VSTD005135

Tgt Ion: 75 Resp: 88454

Ion Ratio Lower Upper

75 100

77 32.9 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 38.118 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

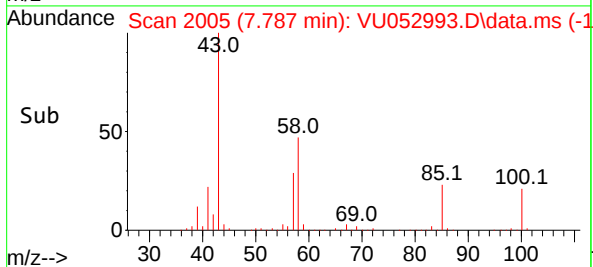
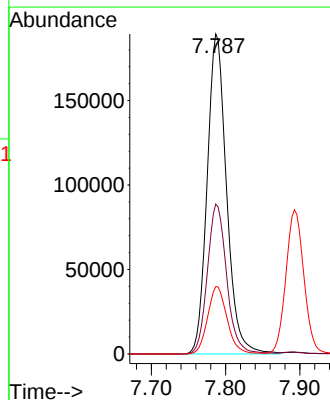
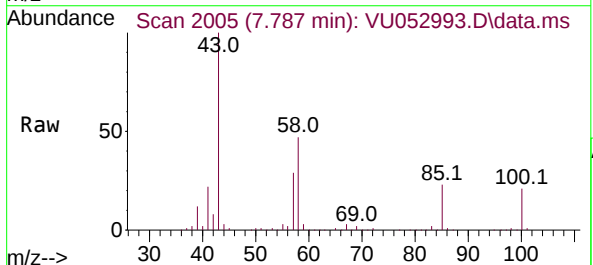
Tgt Ion: 43 Resp: 343304

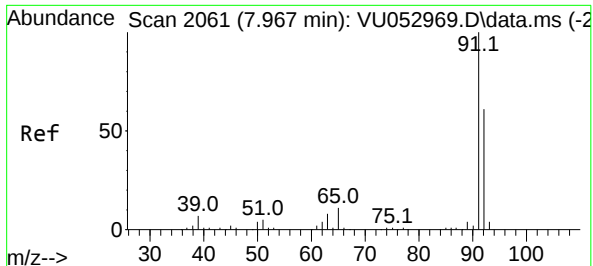
Ion Ratio Lower Upper

43 100

58 46.8 32.0 48.0

100 21.2 11.3 16.9#





#42

Toluene

Concen: 5.115 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Instrument :

MSVOA_U

ClientSampleId :

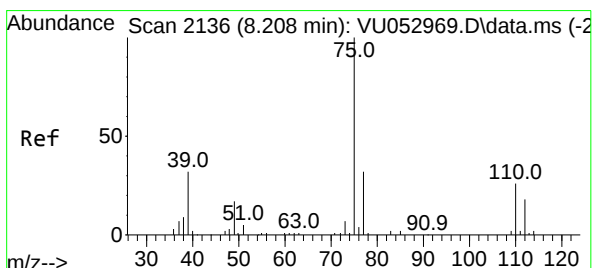
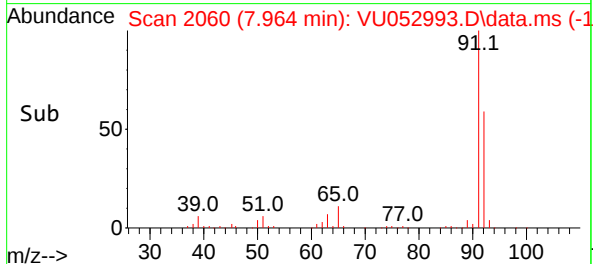
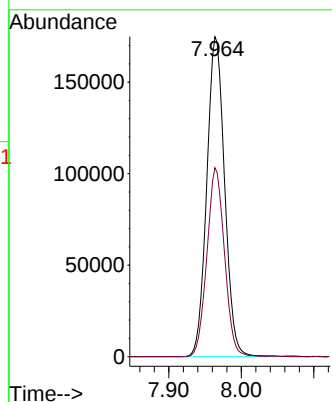
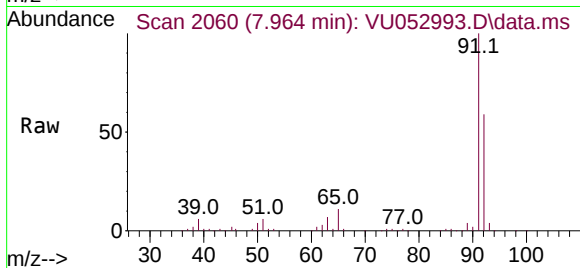
VSTD005135

Tgt Ion: 91 Resp: 298976

Ion Ratio Lower Upper

91 100

92 59.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.597 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052993.D

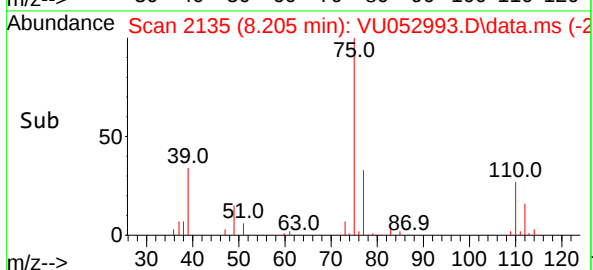
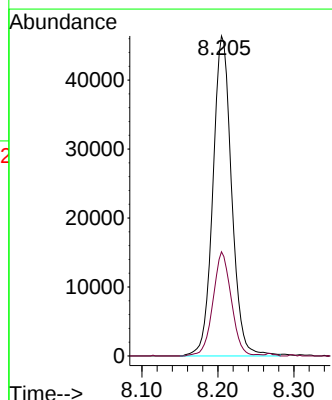
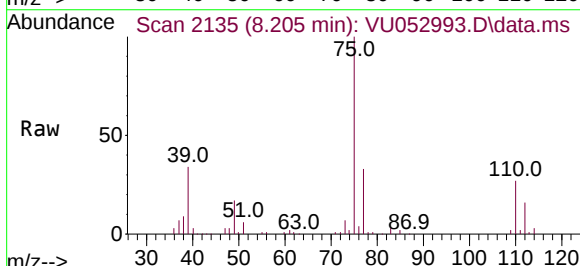
Acq: 06 Feb 2023 20:40

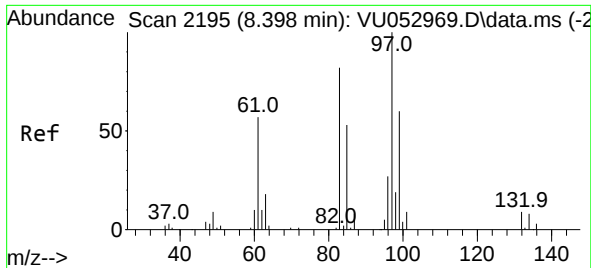
Tgt Ion: 75 Resp: 79322

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5



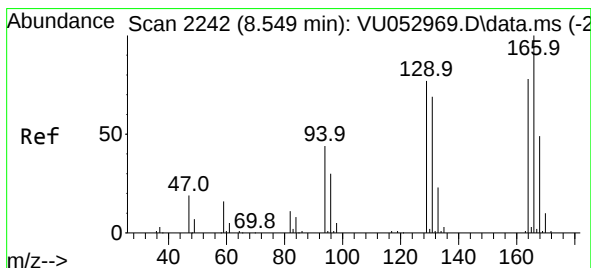
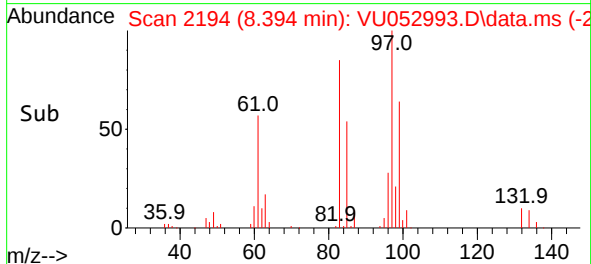
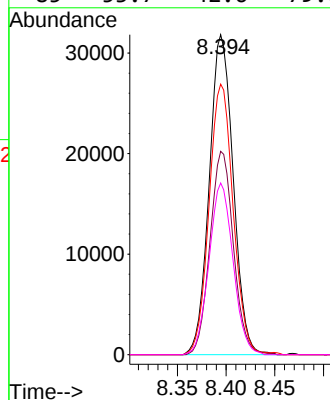
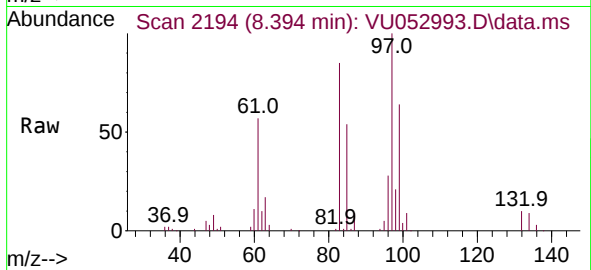


#45
1,1,2-Trichloroethane
Concen: 5.500 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

Tgt Ion: 97 Resp: 54474

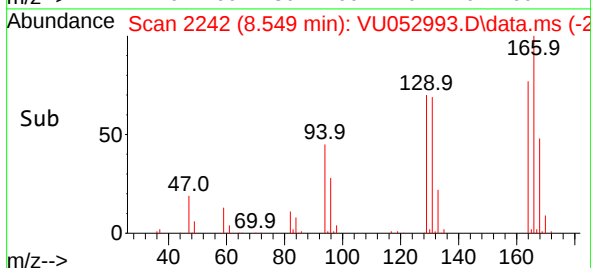
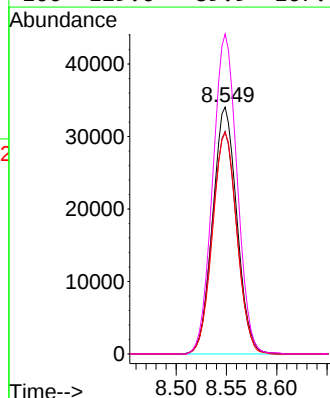
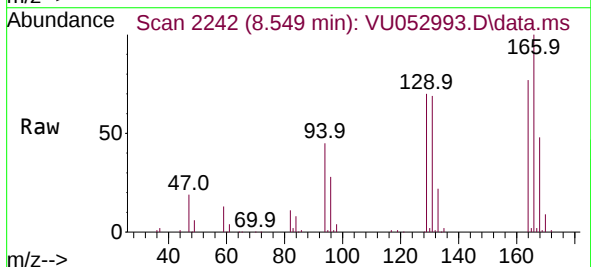
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.8	83.2
83	84.6	65.3	121.3
85	53.7	42.6	79.0

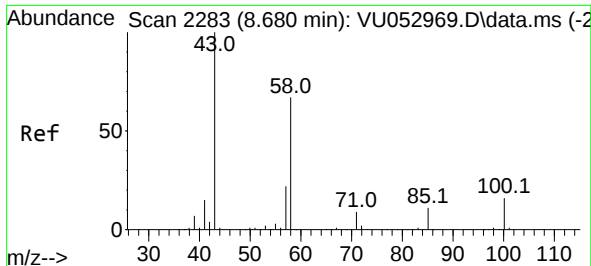


#47
Tetrachloroethene
Concen: 5.592 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion: 164 Resp: 57189

Ion	Ratio	Lower	Upper
164	100		
129	90.1	71.8	133.4
131	89.6	66.6	123.6
166	129.6	89.9	167.0

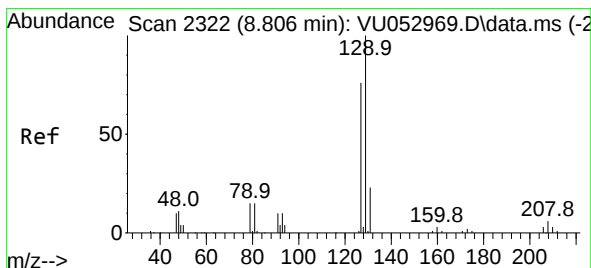
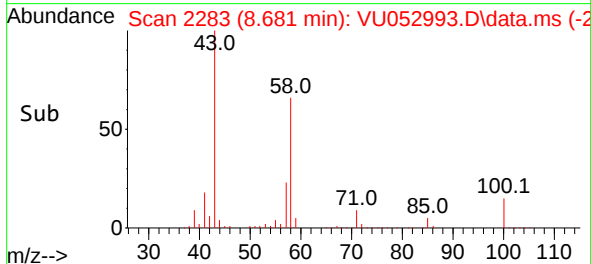
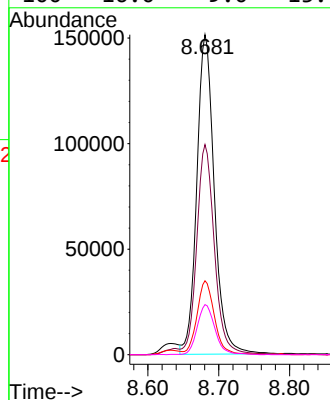
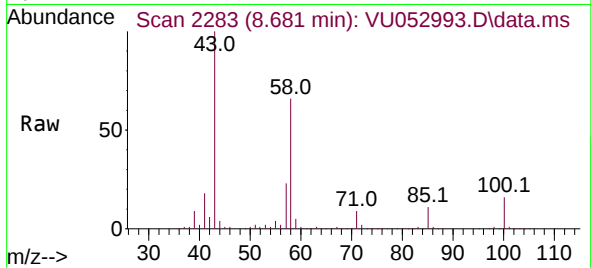




#48
2-Hexanone
Concen: 39.426 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

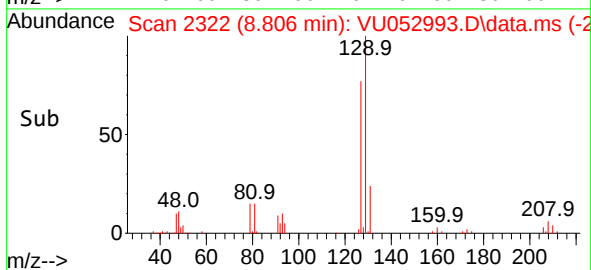
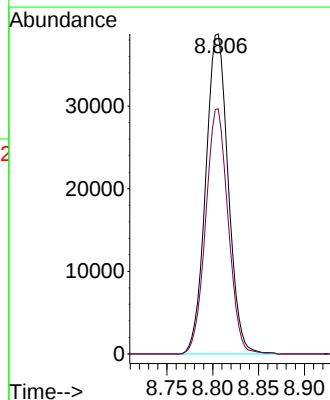
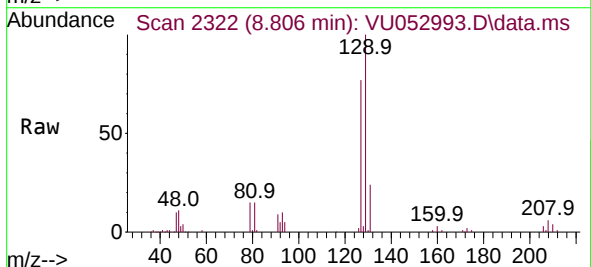
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

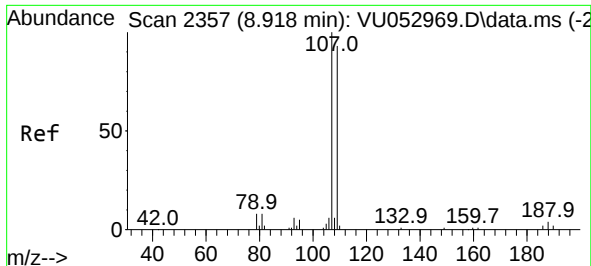
Tgt Ion:	43	Resp:	259992
Ion	Ratio	Lower	Upper
43	100		
58	65.5	45.1	67.7
57	23.0	15.1	22.7#
100	16.0	9.0	13.4#



#49
Dibromochloromethane
Concen: 5.779 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion:	129	Resp:	66177
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.5	99.5

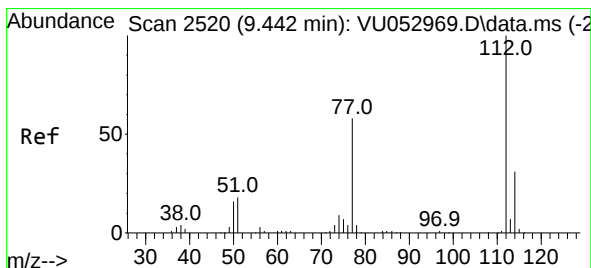
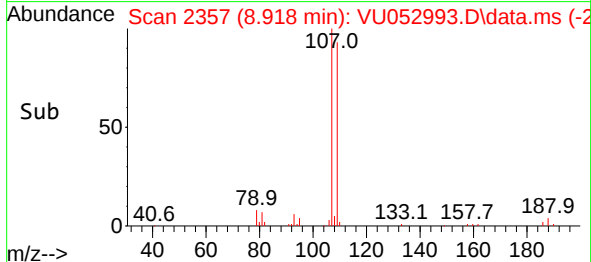
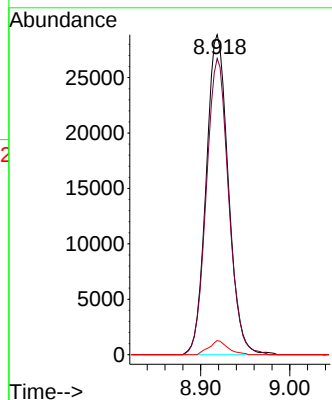
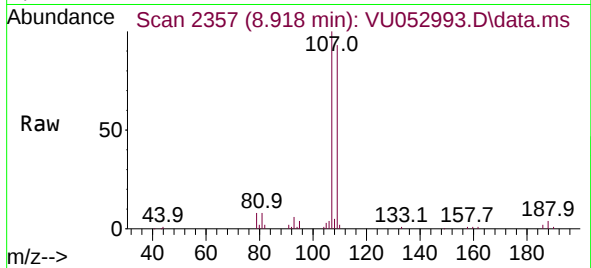




#50
1,2-Dibromoethane
Concen: 5.469 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

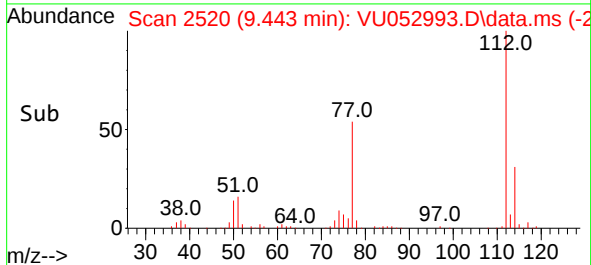
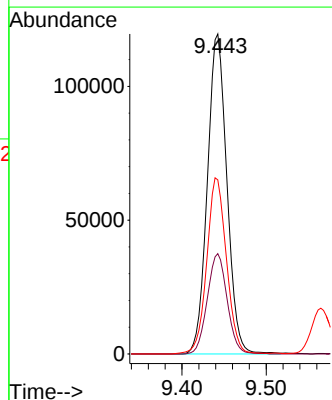
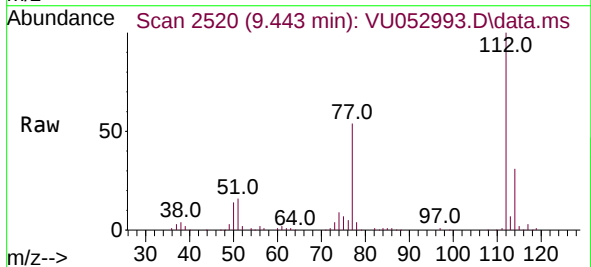
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

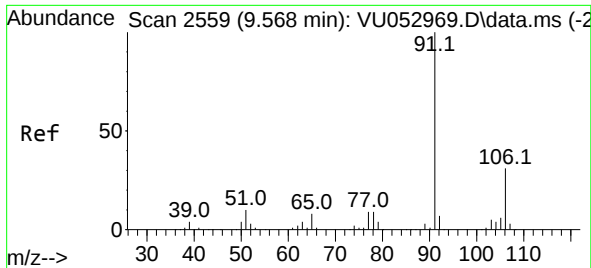
Tgt Ion:107 Resp: 49795
Ion Ratio Lower Upper
107 100
109 92.5 65.3 121.3
188 4.4 2.4 3.6#



#51
Chlorobenzene
Concen: 5.296 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion:112 Resp: 192826
Ion Ratio Lower Upper
112 100
114 31.3 22.8 42.4
77 54.4 50.2 75.4

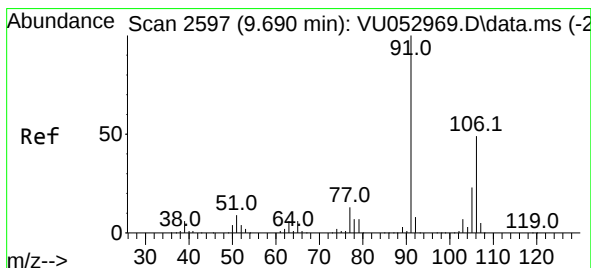
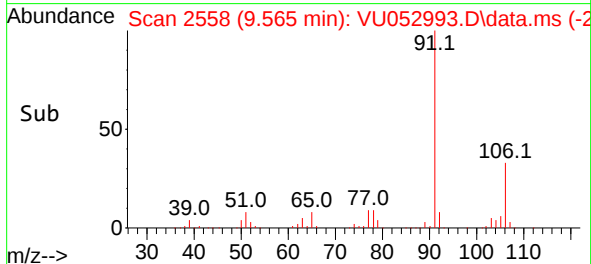
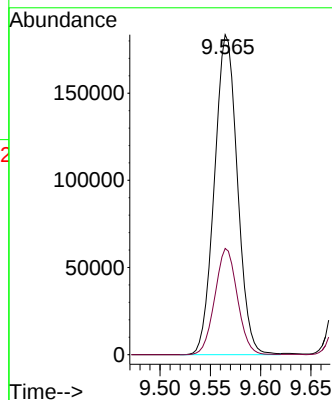
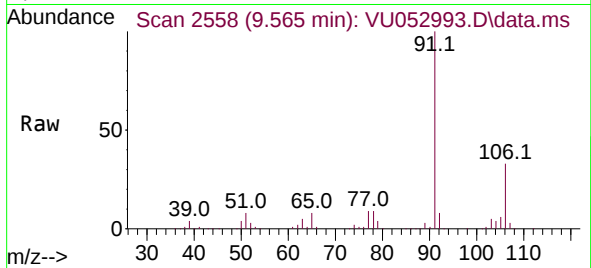




#52
Ethylbenzene
Concen: 4.895 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

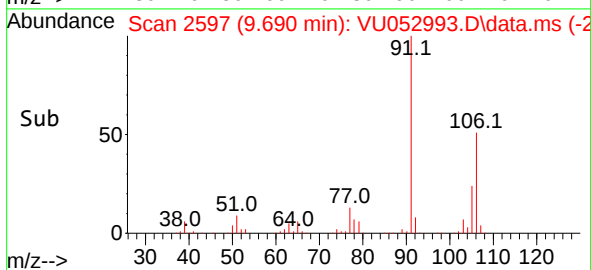
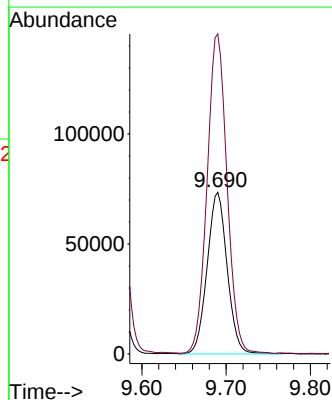
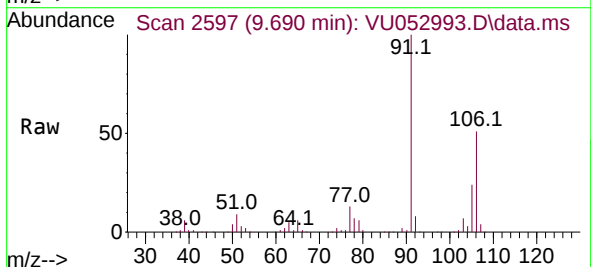
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

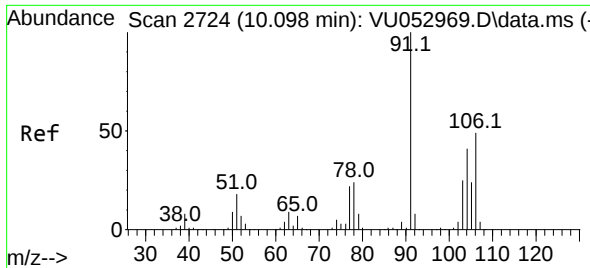
Tgt Ion: 91 Resp: 291457
Ion Ratio Lower Upper
91 100
106 33.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.387 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion: 106 Resp: 121518
Ion Ratio Lower Upper
106 100
91 198.0 144.3 267.9

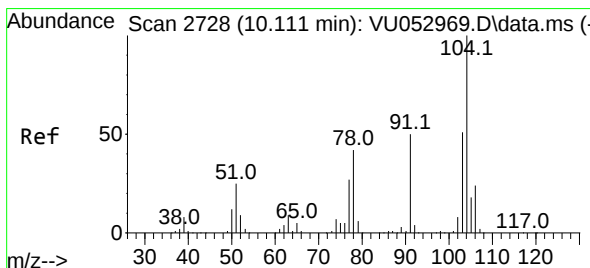
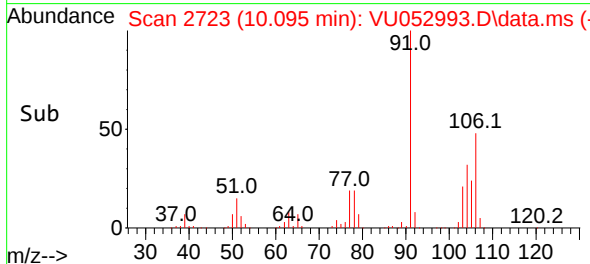
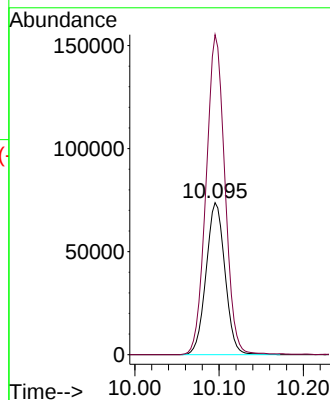
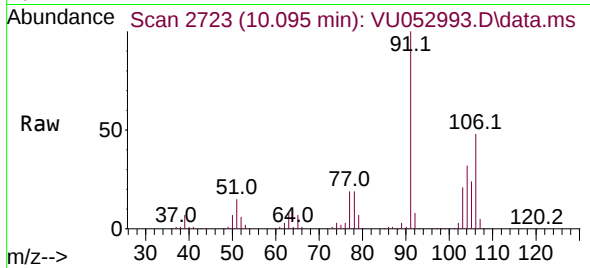




#54
o-Xylene
Concen: 5.346 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

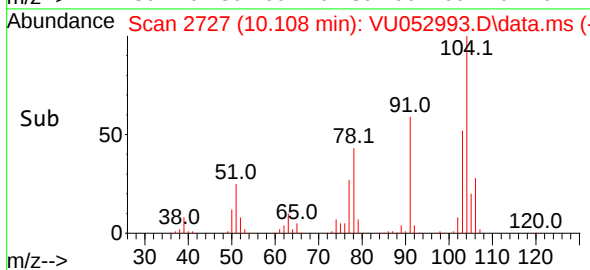
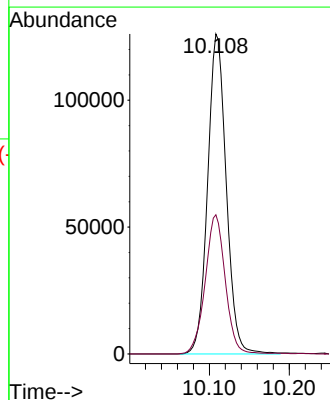
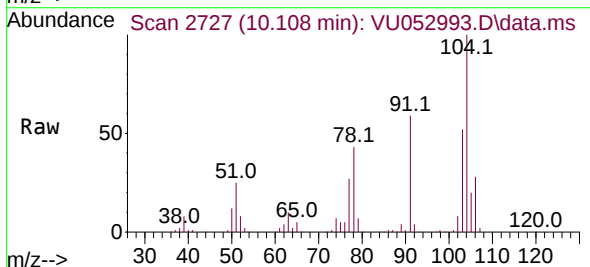
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

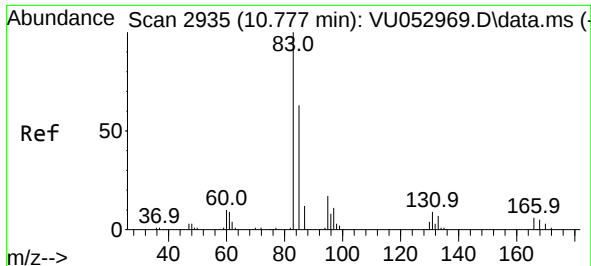
Tgt Ion:106 Resp: 115294
Ion Ratio Lower Upper
106 100
91 210.4 148.7 276.1



#55
Styrene
Concen: 5.558 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion:104 Resp: 204460
Ion Ratio Lower Upper
104 100
78 43.5 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 5.056 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005135

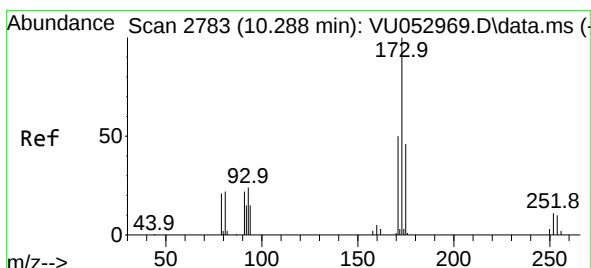
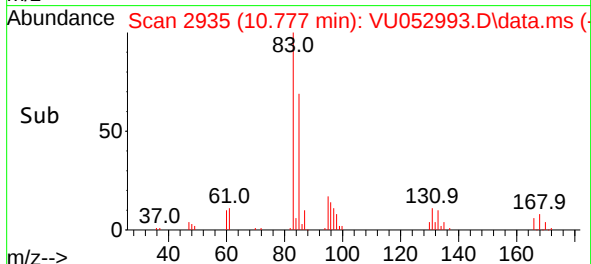
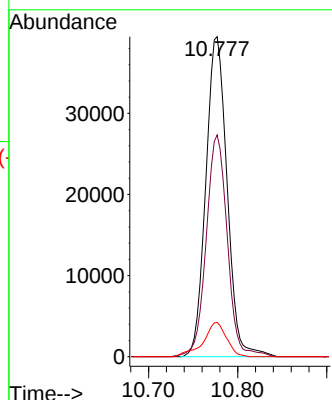
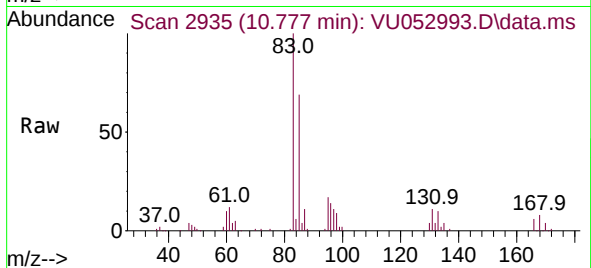
Tgt Ion: 83 Resp: 65417

Ion Ratio Lower Upper

83 100

85 69.3 43.7 81.1

131 10.7 7.0 10.6#



#59

Bromoform

Concen: 5.781 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

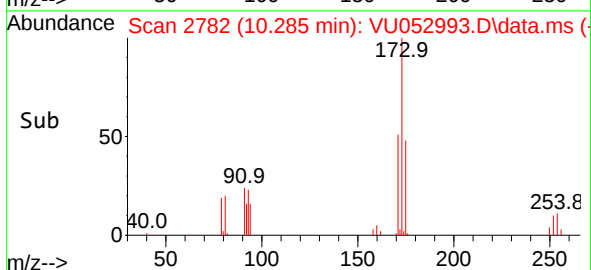
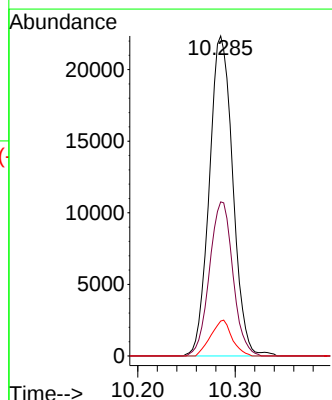
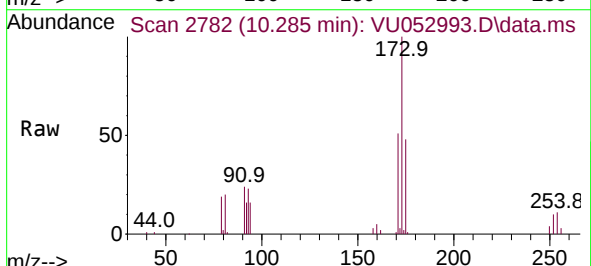
Tgt Ion:173 Resp: 37433

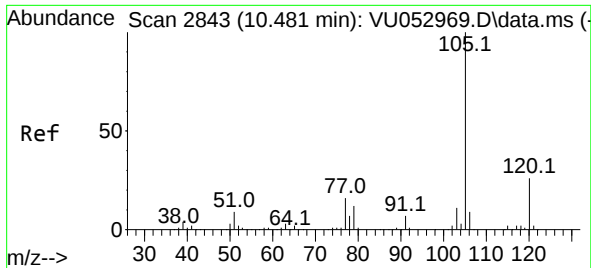
Ion Ratio Lower Upper

173 100

175 48.0 38.2 57.4

254 10.1 7.3 10.9

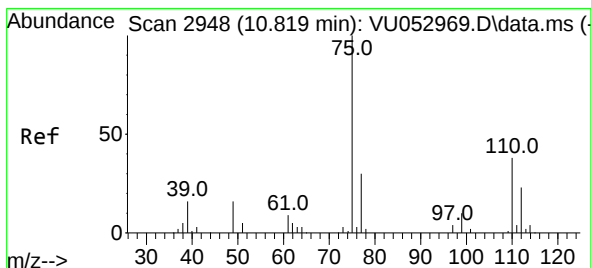
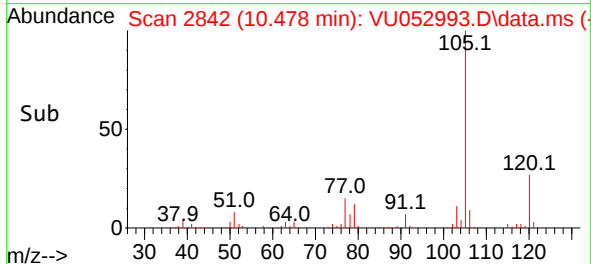
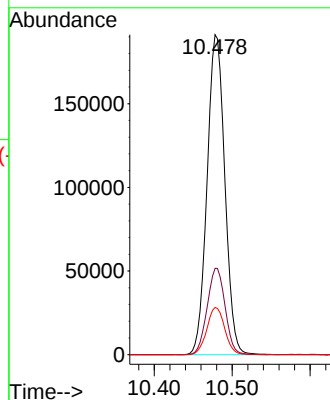
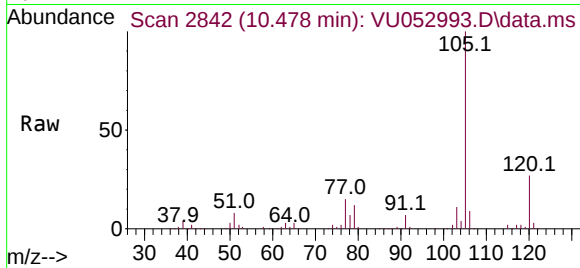




#60
Isopropylbenzene
Concen: 5.123 ug/L
RT: 10.478 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

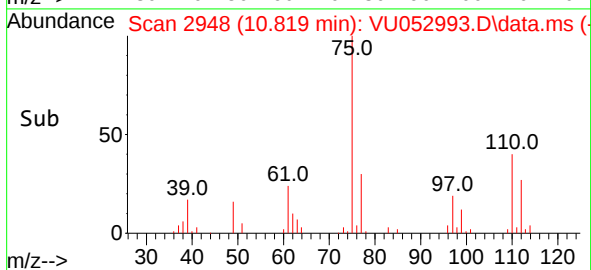
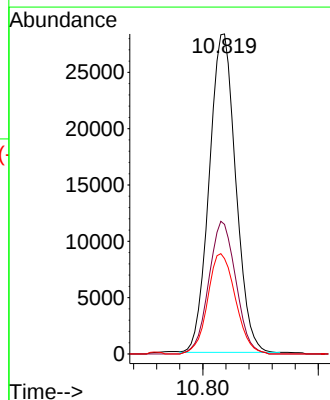
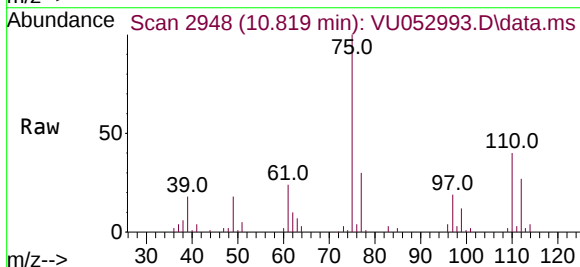
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

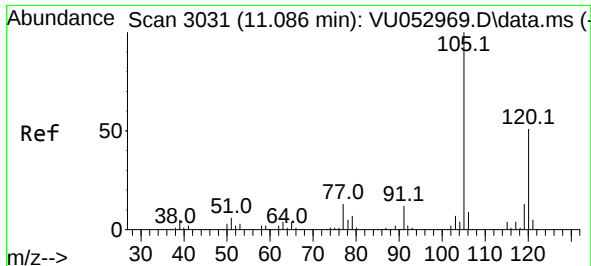
Tgt Ion:105 Resp: 302378
Ion Ratio Lower Upper
105 100
120 27.3 20.4 30.6
77 15.0 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.657 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion: 75 Resp: 45069
Ion Ratio Lower Upper
75 100
110 42.4 27.2 40.8#
77 33.0 24.0 36.0





#62

1,3,5-Trimethylbenzene

Concen: 5.026 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Instrument :

MSVOA_U

ClientSampleId :

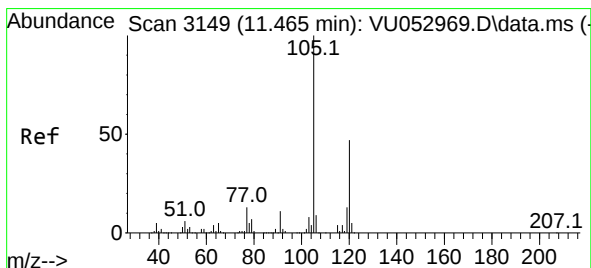
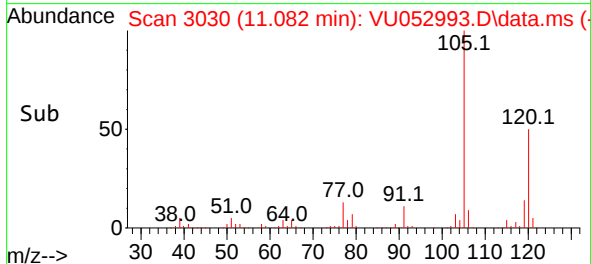
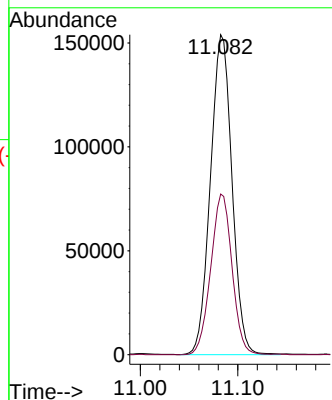
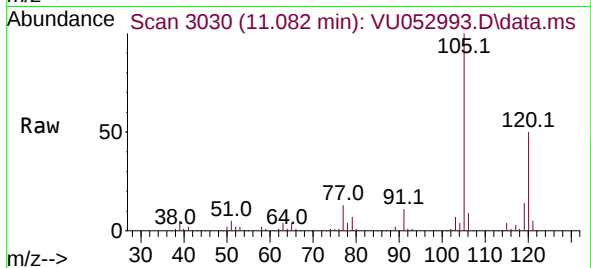
VSTD005135

Tgt Ion:105 Resp: 236605

Ion Ratio Lower Upper

105 100

120 49.5 39.0 58.6



#63

1,2,4-Trimethylbenzene

Concen: 5.029 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU052993.D

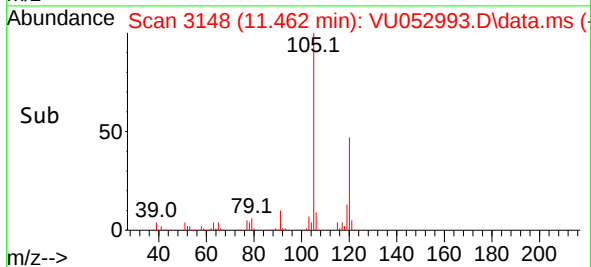
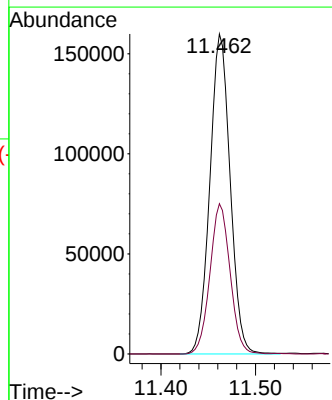
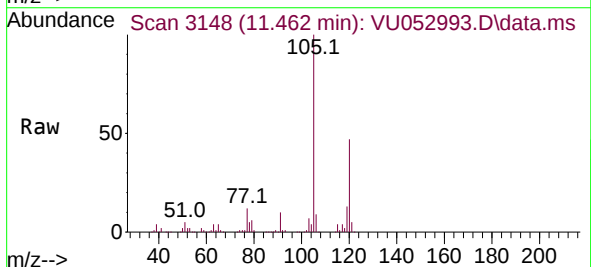
Acq: 06 Feb 2023 20:40

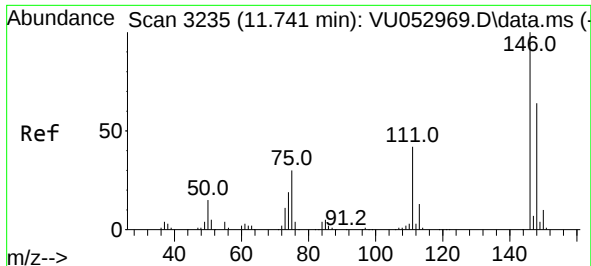
Tgt Ion:105 Resp: 238503

Ion Ratio Lower Upper

105 100

120 46.5 35.9 53.9

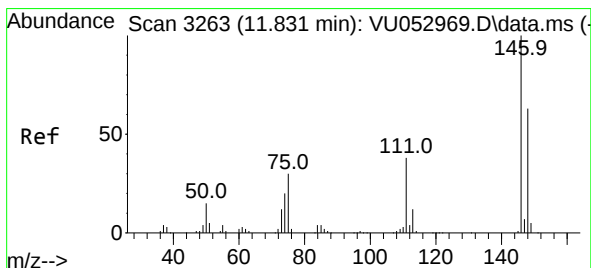
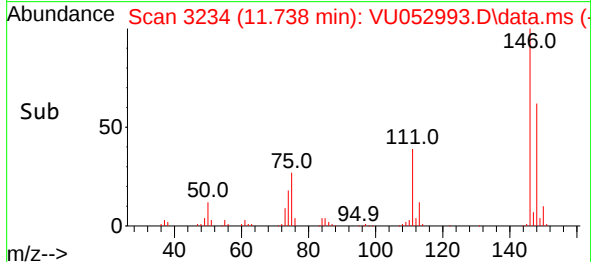
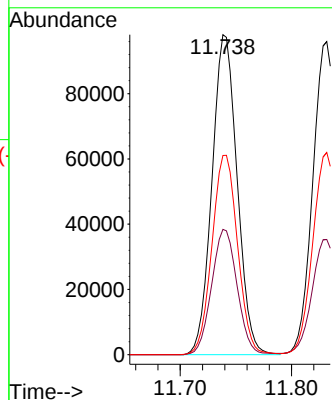
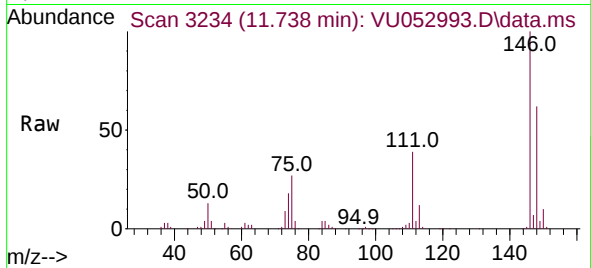




#64
1,3-Dichlorobenzene
Concen: 5.487 ug/L
RT: 11.738 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

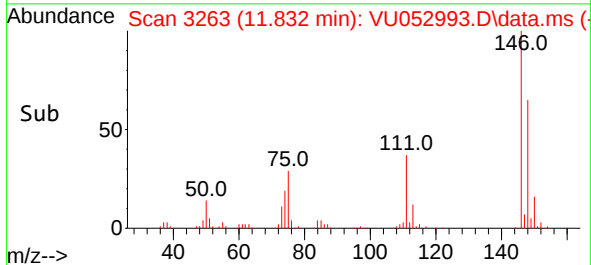
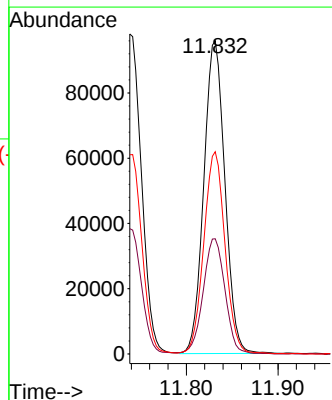
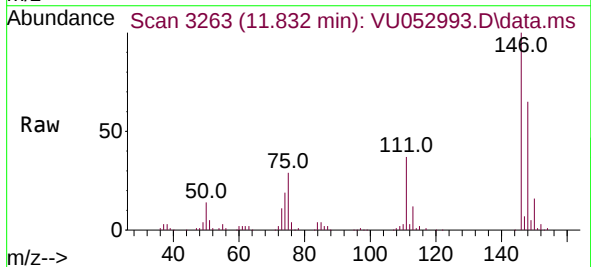
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

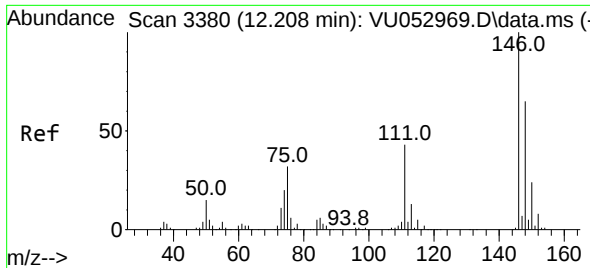
Tgt Ion:146 Resp: 154062
Ion Ratio Lower Upper
146 100
111 39.2 29.4 54.6
148 62.2 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.354 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion:146 Resp: 153339
Ion Ratio Lower Upper
146 100
111 36.8 28.1 52.3
148 64.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.491 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005135

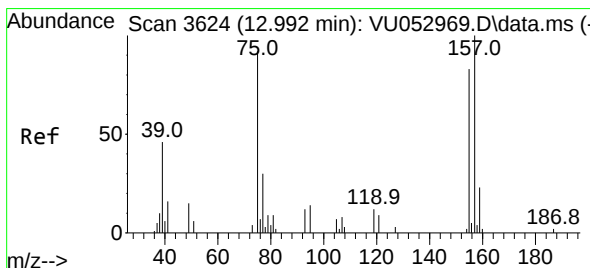
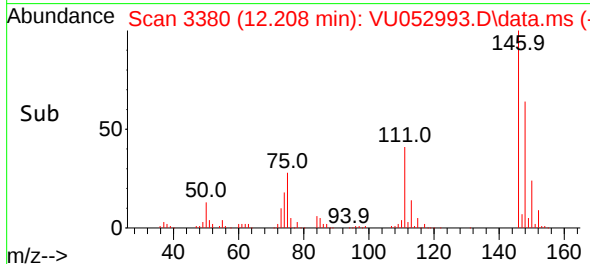
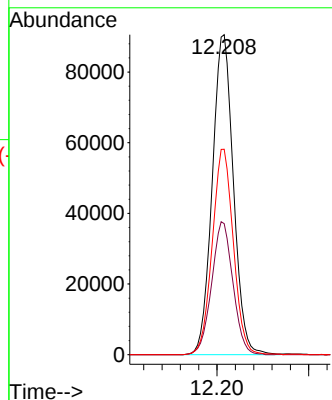
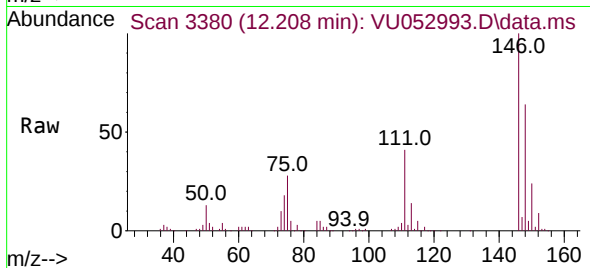
Tgt Ion:146 Resp: 145063

Ion Ratio Lower Upper

146 100

111 41.0 33.8 50.6

148 64.2 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.635 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

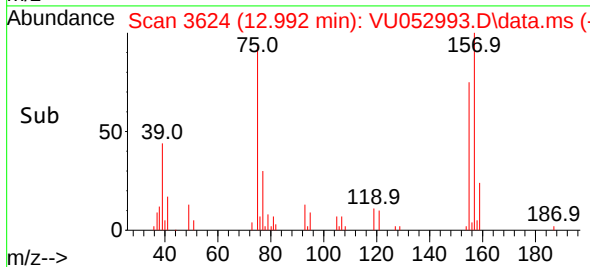
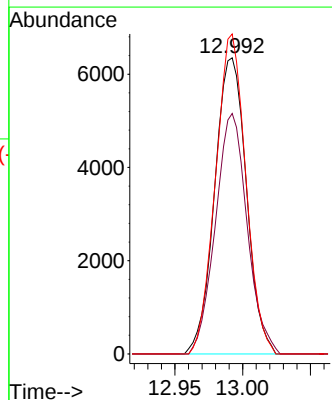
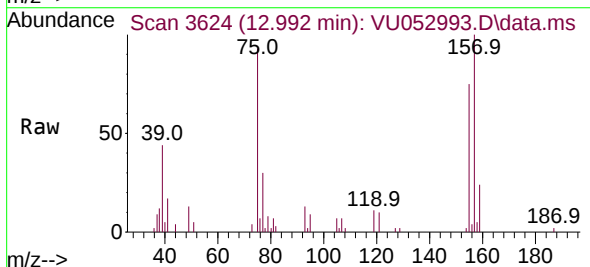
Tgt Ion: 75 Resp: 10345

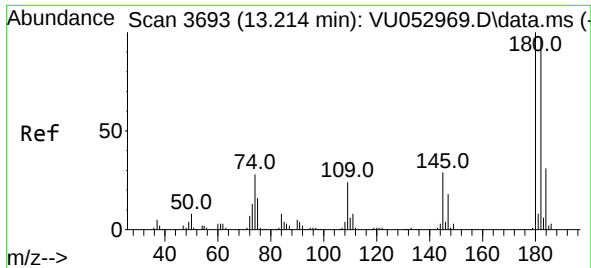
Ion Ratio Lower Upper

75 100

155 81.2 48.0 72.0#

157 108.0 69.3 103.9#

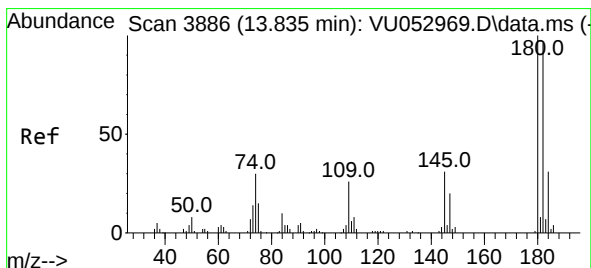
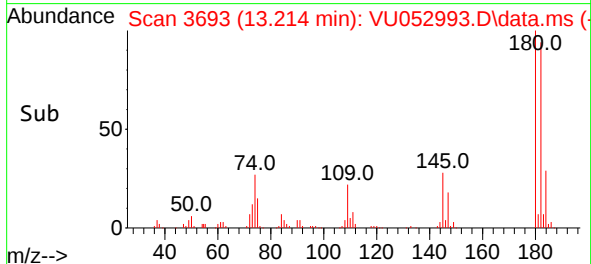
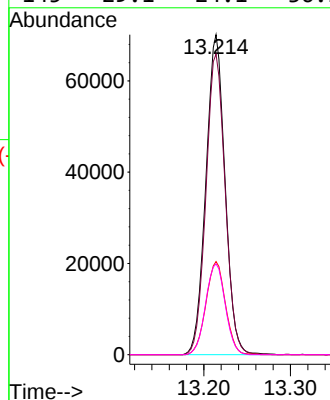
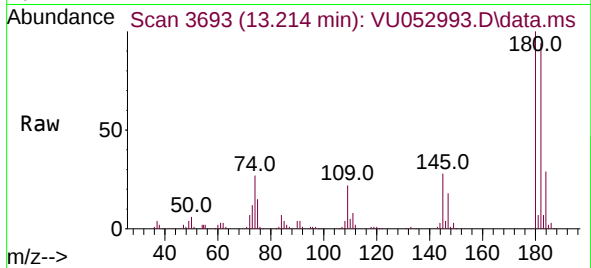




#69
1,3,5-Trichlorobenzene
Concen: 5.157 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

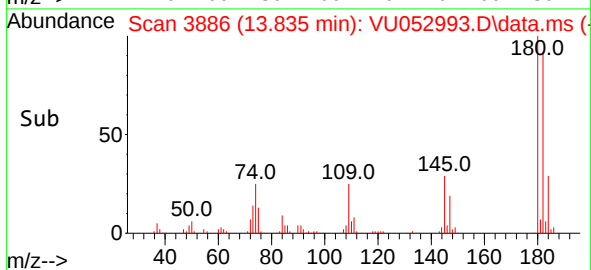
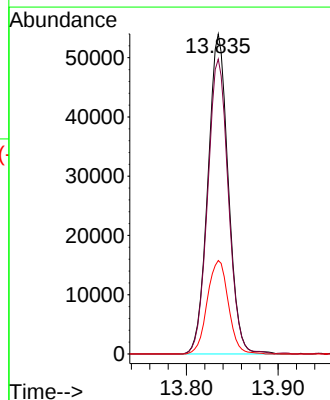
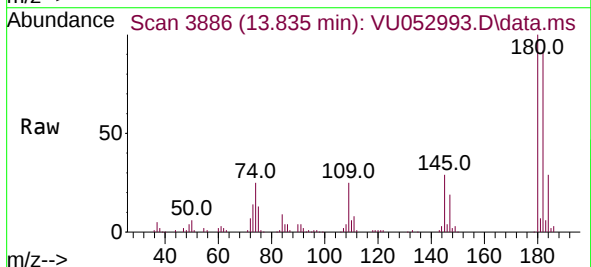
Instrument :
MSVOA_U
ClientSampleId :
VSTD005135

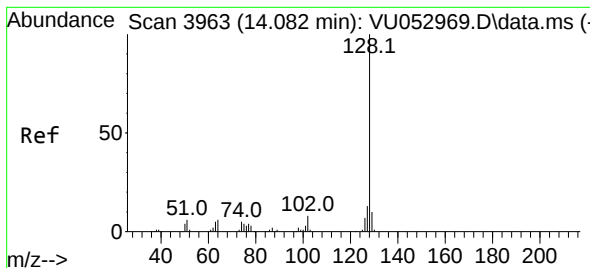
Tgt Ion:180 Resp: 107557
Ion Ratio Lower Upper
180 100
182 94.4 75.1 112.7
184 29.7 23.6 35.4
145 29.1 24.1 36.1



#70
1,2,4-trichlorobenzene
Concen: 4.983 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU052993.D
Acq: 06 Feb 2023 20:40

Tgt Ion:180 Resp: 83346
Ion Ratio Lower Upper
180 100
182 93.6 77.5 116.3
145 30.2 25.3 37.9





#71

Naphthalene

Concen: 4.307 ug/L

RT: 14.079 min Scan# 3962

Delta R.T. -0.003 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005135

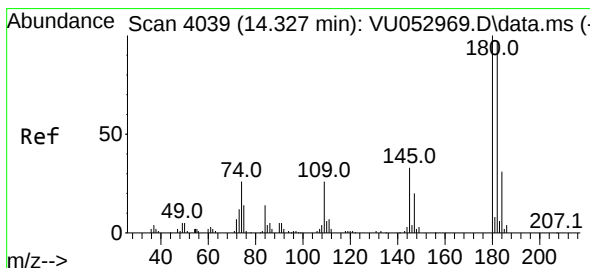
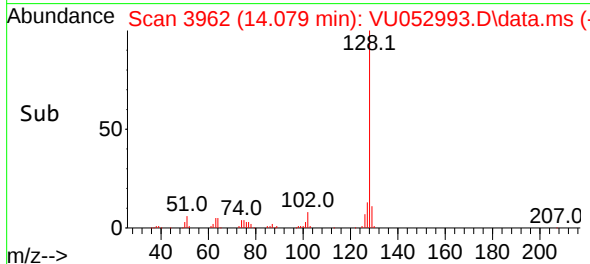
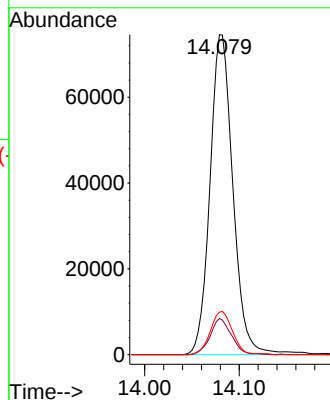
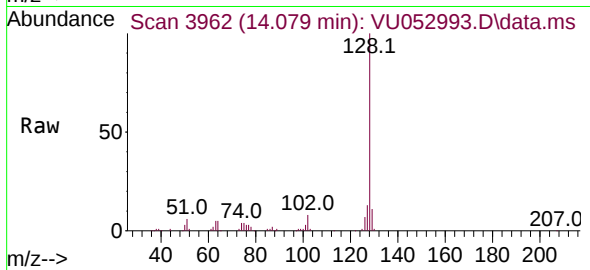
Tgt Ion:128 Resp: 125070

Ion Ratio Lower Upper

128 100

129 10.6 8.3 12.5

127 13.1 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.240 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU052993.D

Acq: 06 Feb 2023 20:40

Tgt Ion:180 Resp: 80290

Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.6

145 31.6 26.5 39.7

