

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121522\
 Data File : VU052410.D
 Acq On : 15 Dec 2022 09:05
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

Quant Time: Dec 16 00:14:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 14 21:38:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	235824	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	241200	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	125882	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	69445	3.027	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.600%
7) Chloroethane-d5	1.916	69	67205	3.772	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.571	65	29492	3.587	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.800%
20) 2-Butanone-d5	4.642	46	272912	65.637	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.280%#
24) Chloroform-d	5.060	84	166618	4.944	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.700	65	85722	5.035	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.726	84	317054	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.690	67	105920	4.780	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.896	98	289384	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.179	79	36838	4.562	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.636	63	205662	60.094	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.180%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	107645	5.602	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	111556	4.629	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	89004	4.352	ug/L	100
3) Chloromethane	1.520	50	108204	4.054	ug/L	97
5) Vinyl chloride	1.607	62	112967	4.405	ug/L	100
6) Bromomethane	1.861	94	78287	5.949	ug/L	99
8) Chloroethane	1.938	64	70463	4.418	ug/L	95
9) Trichlorofluoromethane	2.141	101	131163	4.649	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	80660	4.676	ug/L	99
12) 1,1-Dichloroethene	2.581	96	82533	4.824	ug/L	86
13) Acetone	2.668	43	154548	54.737	ug/L	99
14) Carbon disulfide	2.797	76	256659	4.334	ug/L	99
15) Methyl Acetate	2.961	43	41208	5.627	ug/L	97
16) Methylene chloride	3.047	84	112774	4.873	ug/L	99
17) Methyl tert-butyl Ether	3.362	73	197326	5.152	ug/L	100
18) trans-1,2-Dichloroethene	3.353	96	86040	4.692	ug/L	98
19) 1,1-Dichloroethane	3.867	63	166092	5.025	ug/L	98
21) 2-Butanone	4.723	43	260571	57.580	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	96836	5.032	ug/L	98
23) Bromochloromethane	4.973	128	48079	5.221	ug/L	91
25) Chloroform	5.086	83	170055	5.078	ug/L	97

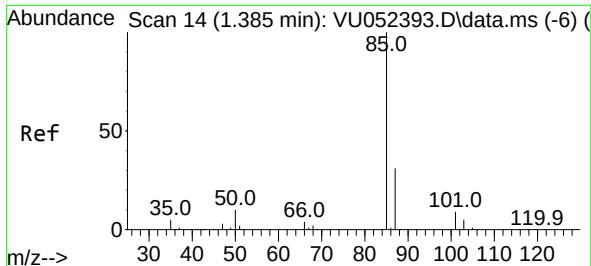
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121522\
 Data File : VU052410.D
 Acq On : 15 Dec 2022 09:05
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

Quant Time: Dec 16 00:14:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 14 21:38:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	104964	5.117	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	128889	4.816	ug/L	99
30) Cyclohexane	5.388	56	112700	4.337	ug/L	99
31) Carbon tetrachloride	5.523	117	104796	4.609	ug/L	100
33) Benzene	5.774	78	385735	4.914	ug/L	100
34) Trichloroethene	6.542	95	89064	4.549	ug/L	96
35) Methylcyclohexane	6.764	83	115147	4.088	ug/L	97
37) 1,2-Dichloropropane	6.790	63	101948	5.016	ug/L	100
38) Bromodichloromethane	7.105	83	127193	5.133	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	119393	4.575	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	604377	56.928	ug/L	100
42) Toluene	7.967	91	407715	5.049	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	109976	4.922	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	82479	5.400	ug/L	97
47) Tetrachloroethene	8.552	164	70928	4.727	ug/L	97
48) 2-Hexanone	8.684	43	462793	59.461	ug/L	100
49) Dibromochloromethane	8.809	129	92391	5.401	ug/L	98
50) 1,2-Dibromoethane	8.922	107	75887	5.455	ug/L	99
51) Chlorobenzene	9.446	112	254076	4.935	ug/L	100
52) Ethylbenzene	9.568	91	379125	4.830	ug/L	98
53) m,p-Xylene	9.693	106	152690	5.023	ug/L	96
54) o-Xylene	10.099	106	147285	5.056	ug/L	98
55) Styrene	10.111	104	259295	5.270	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	108479	5.687	ug/L	98
59) Bromoform	10.288	173	54702	5.276	ug/L	97
60) Isopropylbenzene	10.481	105	366457	4.635	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	74197	5.150	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	278862	4.412	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	282712	4.506	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	197301	4.887	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	199484	4.954	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	193816	4.985	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	15446	4.899	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	134531	4.699	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	102358	4.695	ug/L	98
71) Naphthalene	14.085	128	177456	4.336	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	100441	4.683	ug/L	98

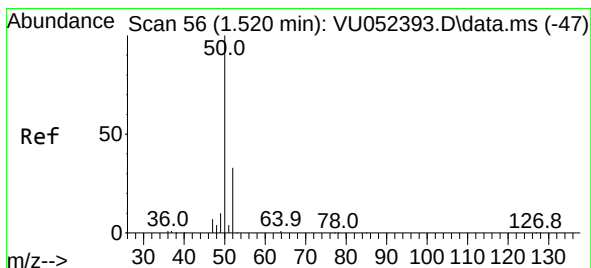
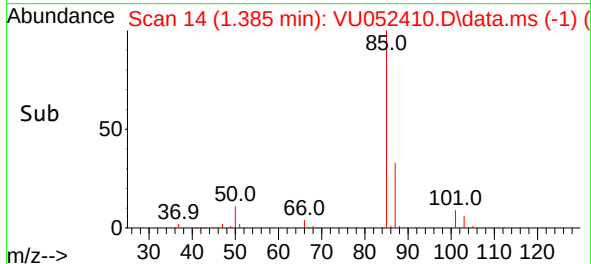
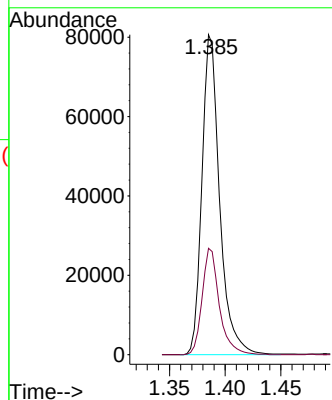
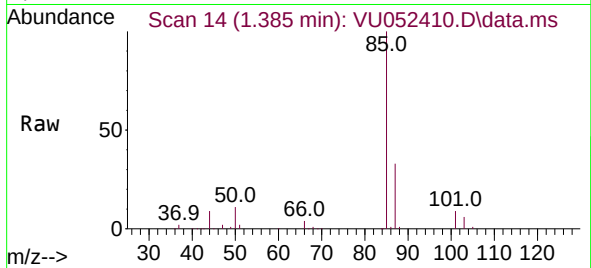
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.352 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

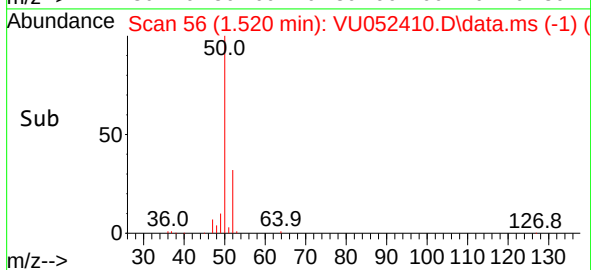
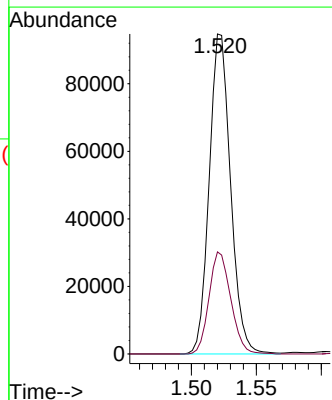
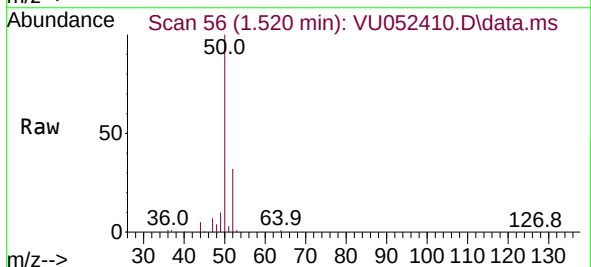
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MSVOA_U
ClientSampleId :
VSTD005109

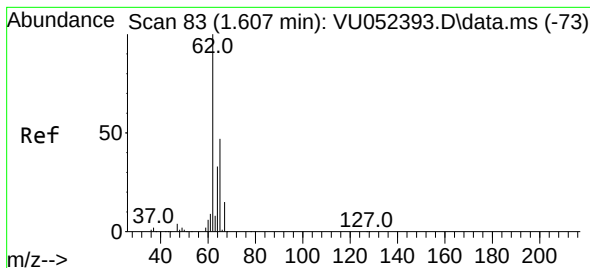
Tgt Ion: 85 Resp: 89004
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 4.054 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion: 50 Resp: 108204
Ion Ratio Lower Upper
50 100
52 31.9 23.4 43.4





#5

Vinyl chloride

Concen: 4.405 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.000 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

Instrument :

MSVOA_U

ClientSampleId :

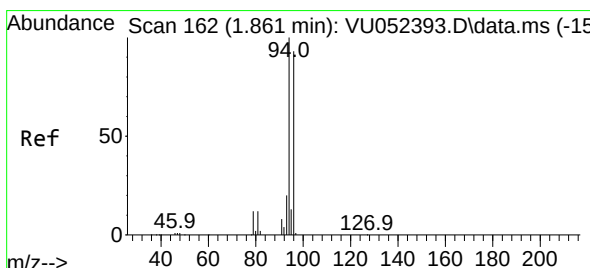
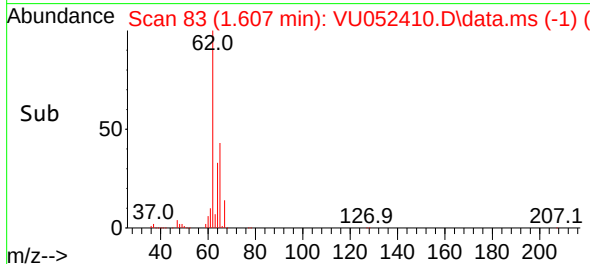
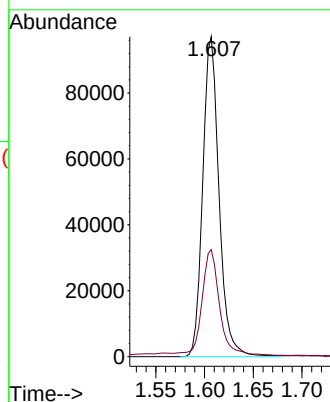
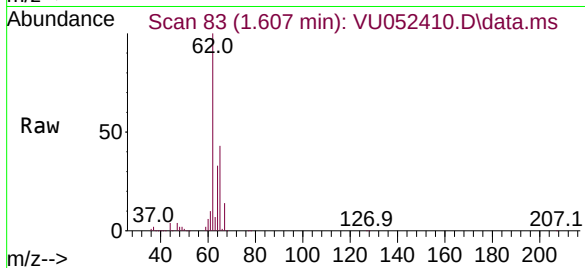
VSTD005109

Tgt Ion: 62 Resp: 112967

Ion Ratio Lower Upper

62 100

64 33.4 23.5 43.7



#6

Bromomethane

Concen: 5.949 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.000 min

Lab File: VU052410.D

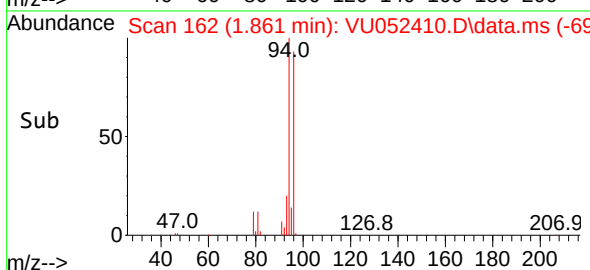
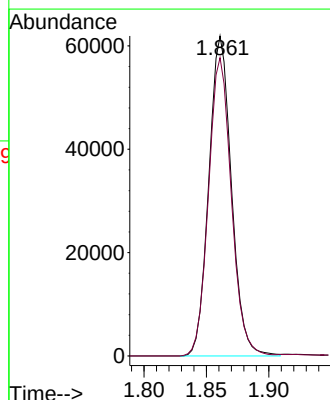
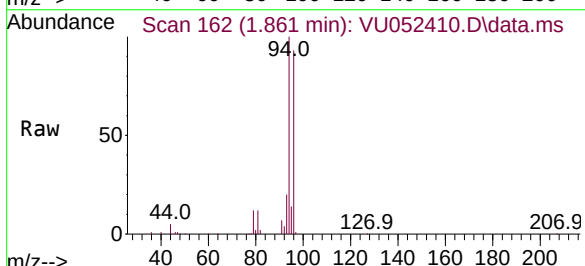
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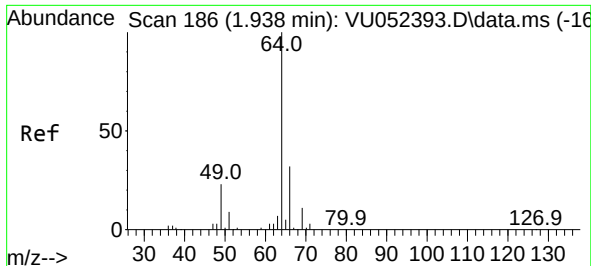
Tgt Ion: 94 Resp: 78287

Ion Ratio Lower Upper

94 100

96 93.2 65.7 122.1

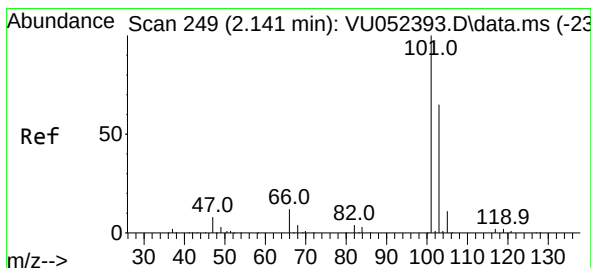
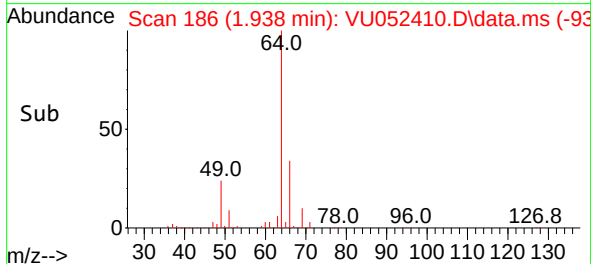
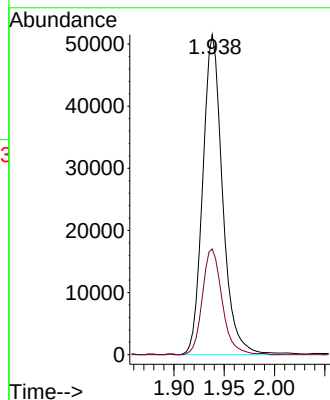
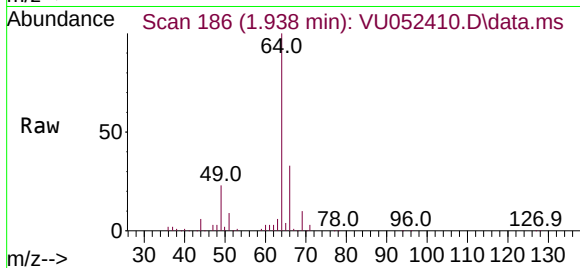




#8
Chloroethane
Concen: 4.418 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

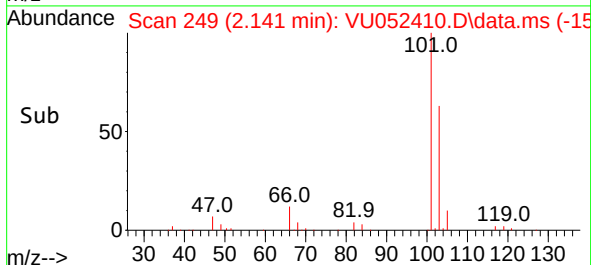
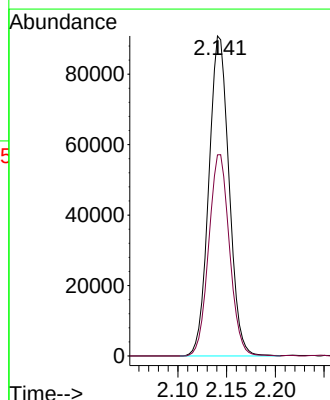
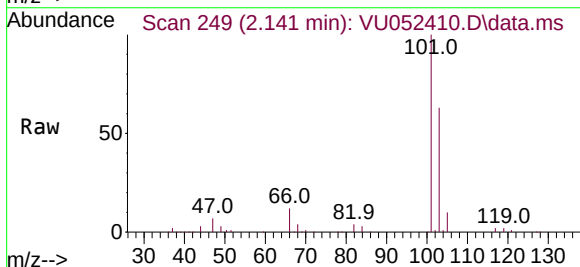
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

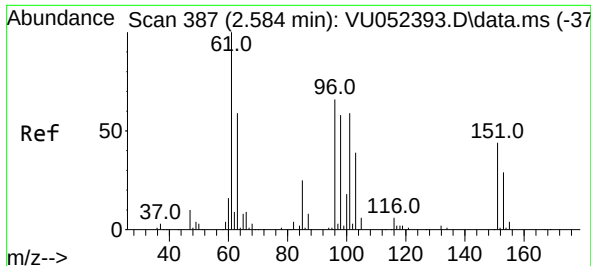
Tgt Ion: 64 Resp: 70463
Ion Ratio Lower Upper
64 100
66 33.0 21.1 39.1



#9
Trichlorofluoromethane
Concen: 4.649 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion:101 Resp: 131163
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

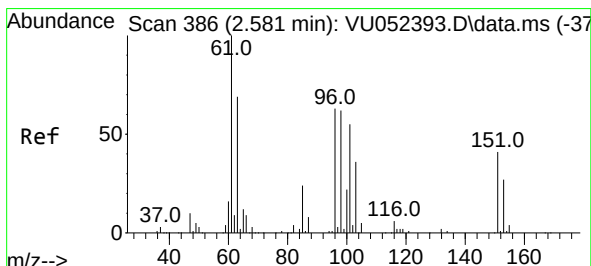
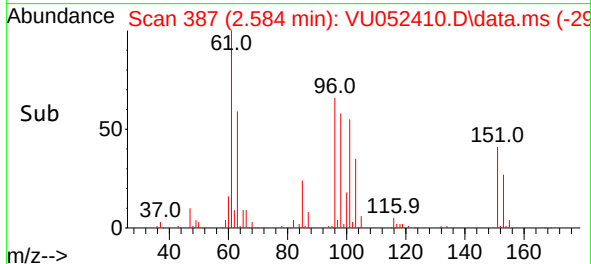
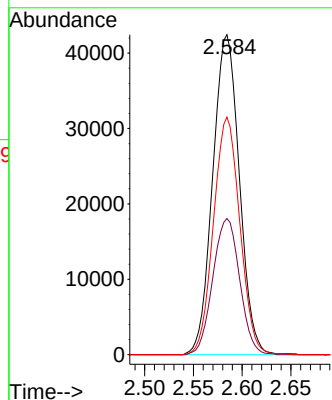
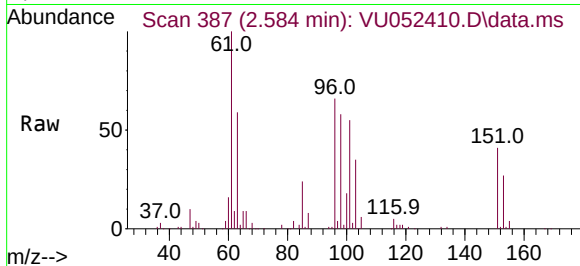




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.676 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

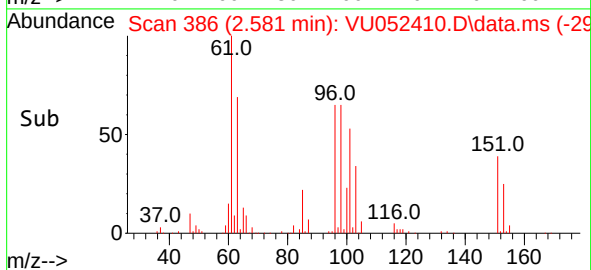
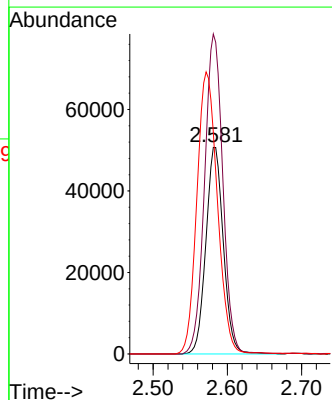
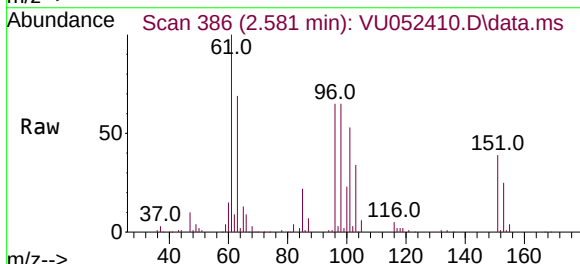
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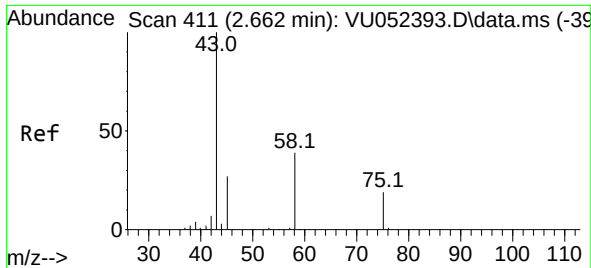
Tgt Ion: 101 Resp: 80660
 Ion Ratio Lower Upper
 101 100
 85 42.8 33.8 50.6
 151 73.7 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 4.824 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

Tgt Ion: 96 Resp: 82533
 Ion Ratio Lower Upper
 96 100
 61 154.9 114.8 213.2
 63 107.3 93.7 174.1





#13

Acetone

Concen: 54.737 ug/L

RT: 2.668 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

Instrument :

MSVOA_U

ClientSampleId :

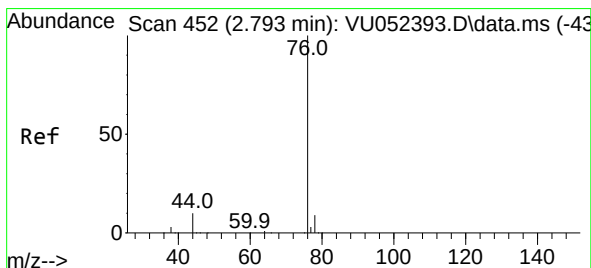
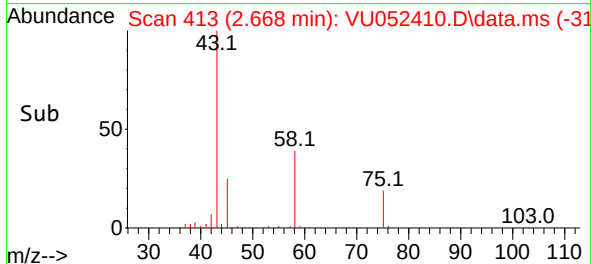
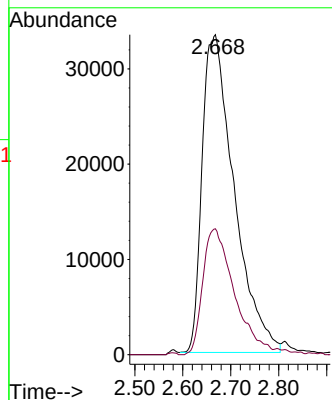
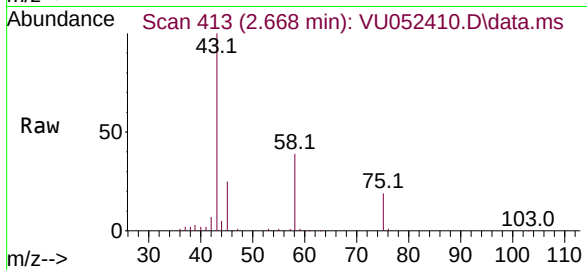
VSTD005109

Tgt Ion: 43 Resp: 154548

Ion Ratio Lower Upper

43 100

58 38.9 0.0 76.0



#14

Carbon disulfide

Concen: 4.334 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052410.D

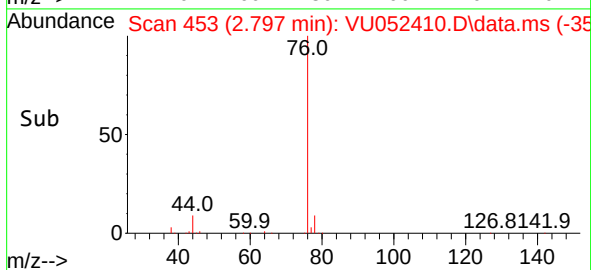
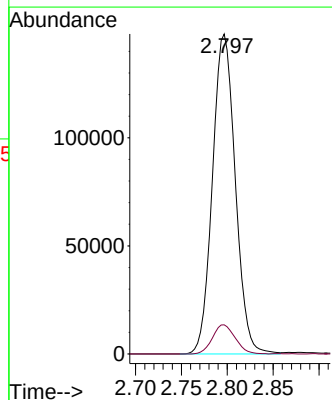
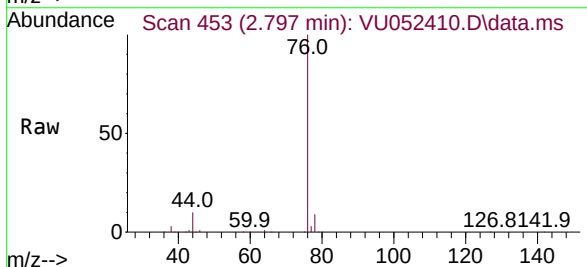
Acq: 15 Dec 2022 09:05

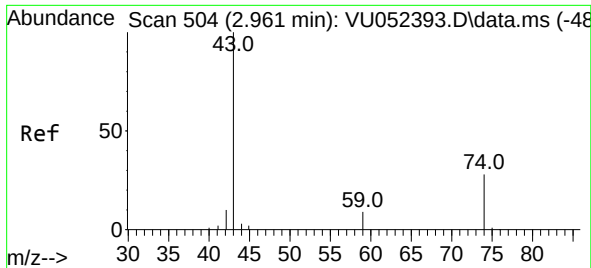
Tgt Ion: 76 Resp: 256659

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

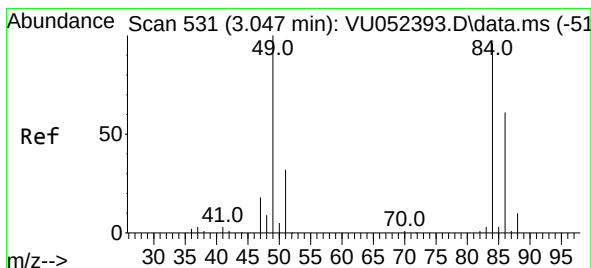
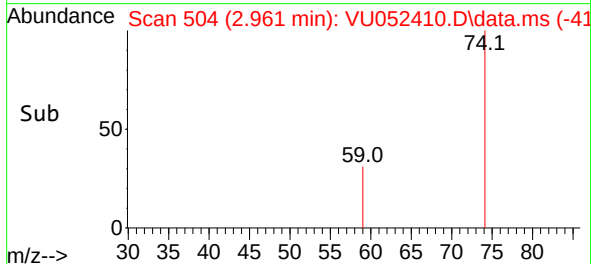
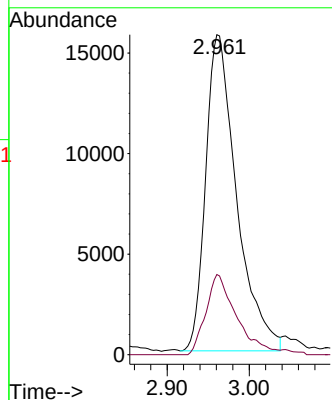
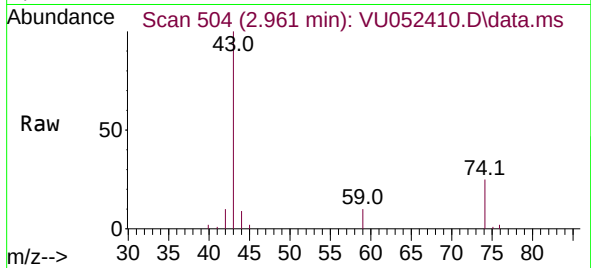




#15
Methyl Acetate
Concen: 5.627 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

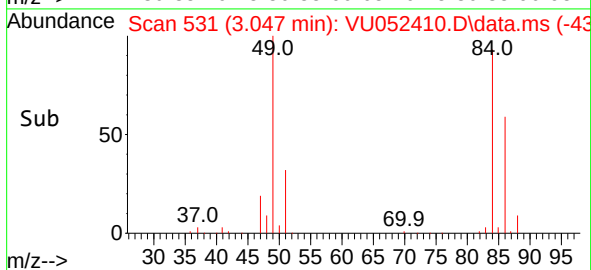
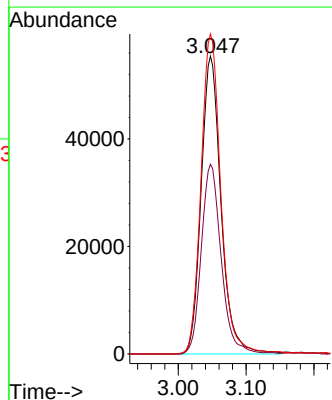
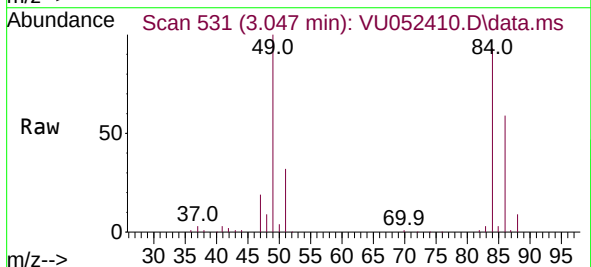
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

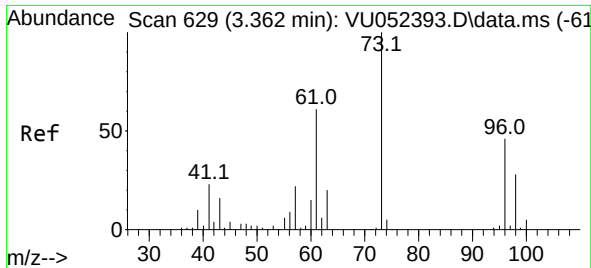
Tgt Ion: 43 Resp: 41208
Ion Ratio Lower Upper
43 100
74 25.1 21.3 31.9



#16
Methylene chloride
Concen: 4.873 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion: 84 Resp: 112774
Ion Ratio Lower Upper
84 100
86 63.7 43.8 81.4
49 107.4 75.9 141.1

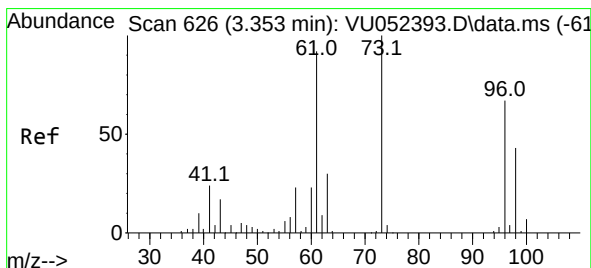
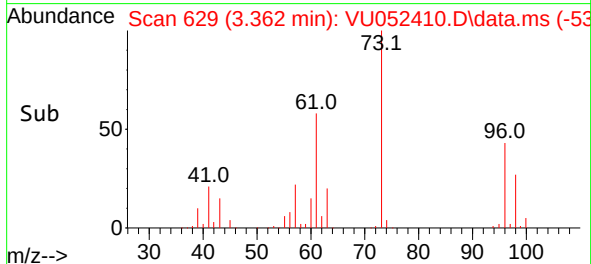
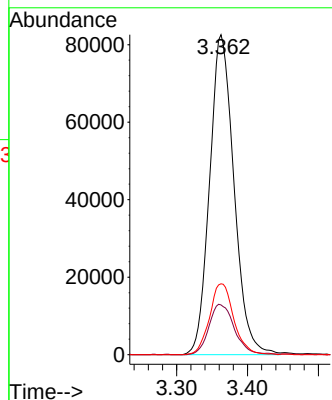
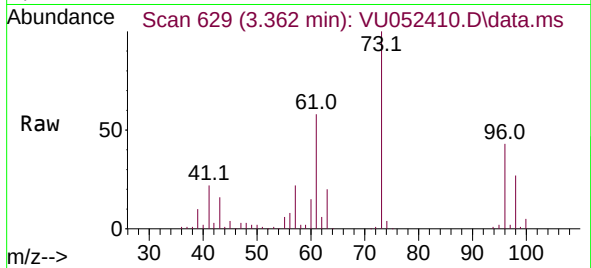




#17
Methyl tert-butyl Ether
Concen: 5.152 ug/L
RT: 3.362 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

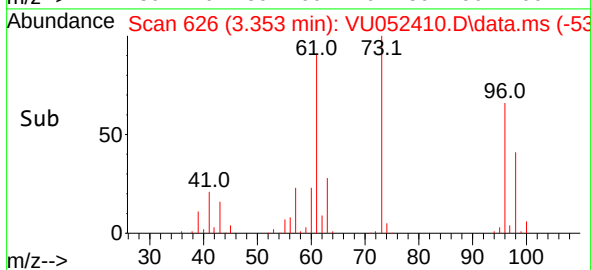
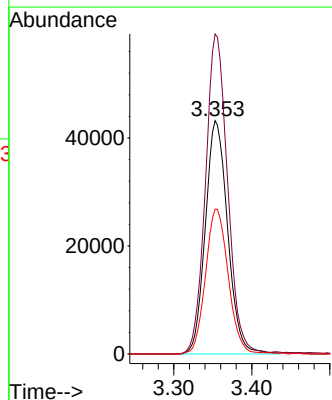
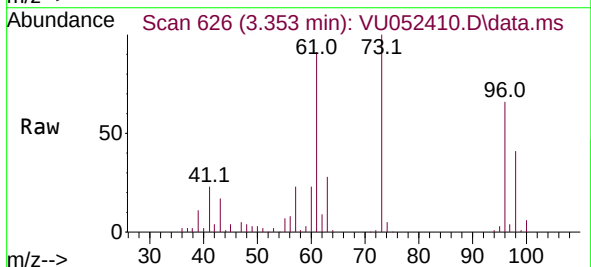
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

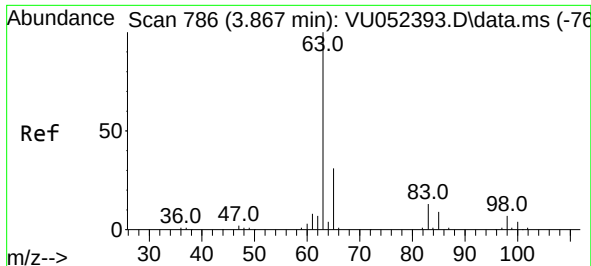
Tgt Ion: 73 Resp: 197326
Ion Ratio Lower Upper
73 100
43 16.5 13.2 19.8
57 22.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.692 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion: 96 Resp: 86040
Ion Ratio Lower Upper
96 100
61 137.2 97.9 181.7
98 62.1 43.8 81.3

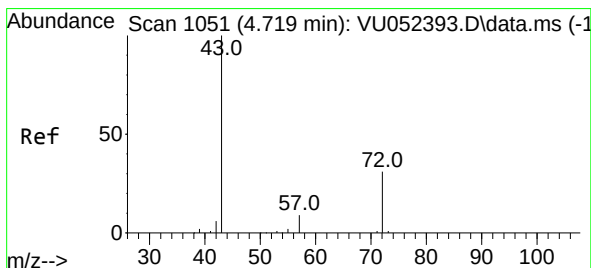
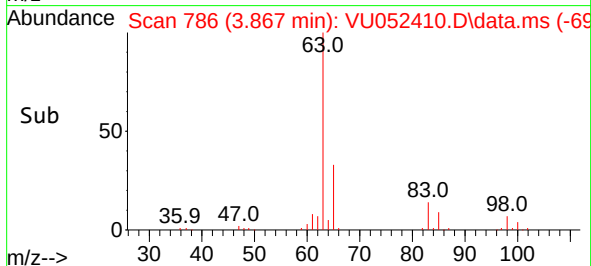
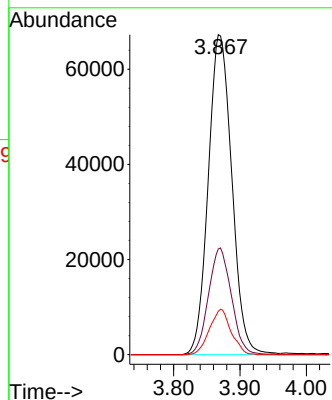
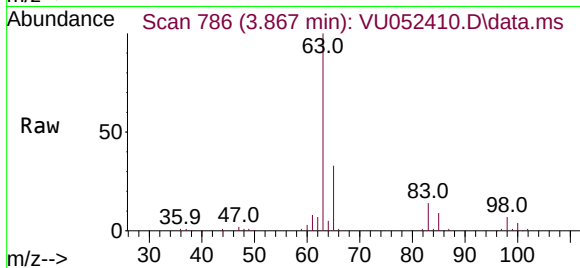




#19
1,1-Dichloroethane
Concen: 5.025 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

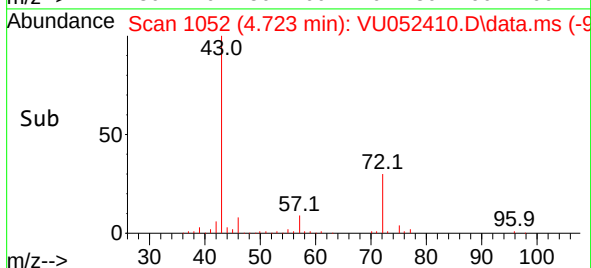
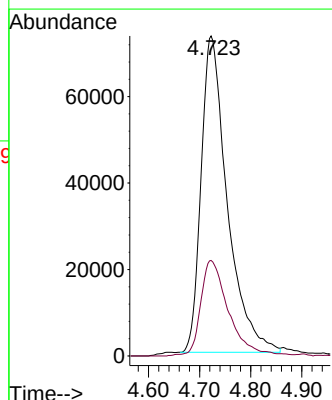
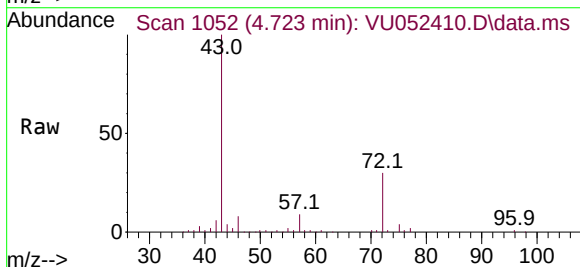
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

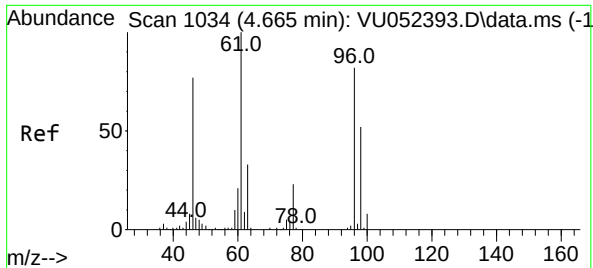
Tgt Ion: 63 Resp: 166092
Ion Ratio Lower Upper
63 100
65 33.1 22.2 41.2
83 13.5 9.2 17.0



#21
2-Butanone
Concen: 57.580 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.003 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion: 43 Resp: 260571
Ion Ratio Lower Upper
43 100
72 32.1 15.6 46.8

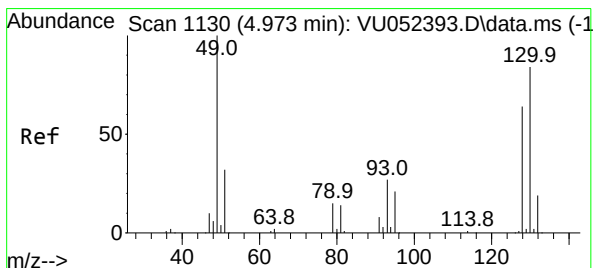
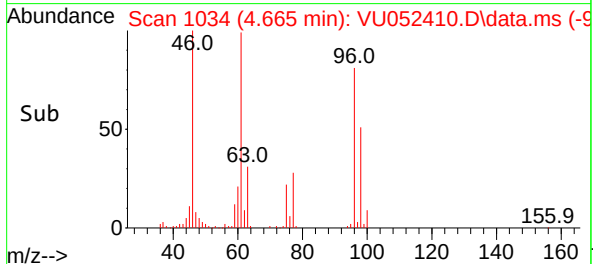
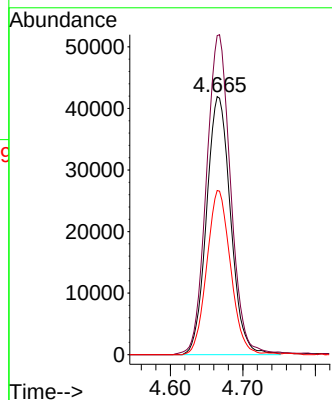
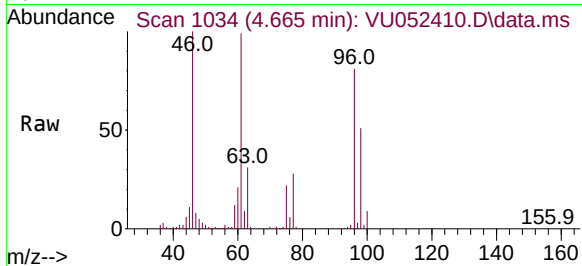




#22
 cis-1,2-Dichloroethene
 Concen: 5.032 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

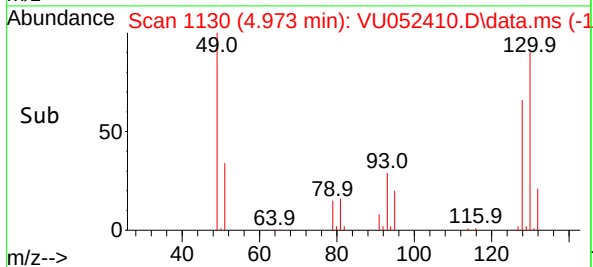
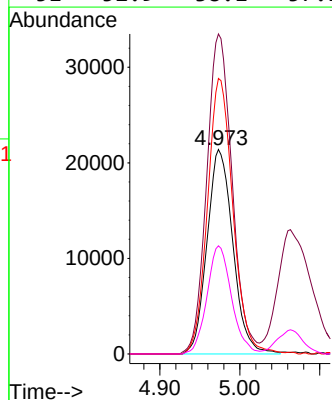
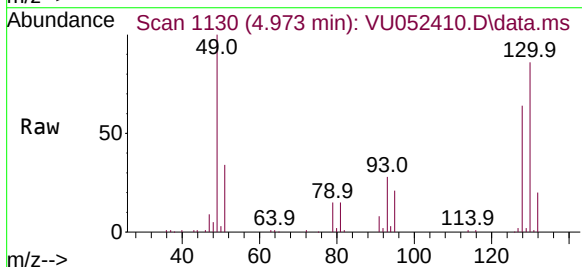
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

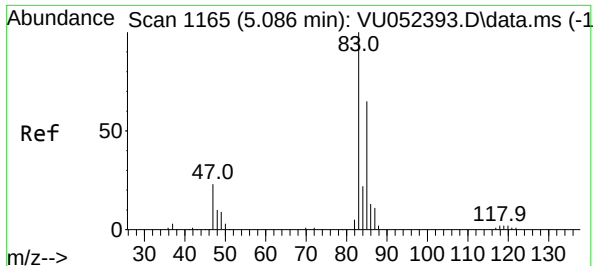
Tgt Ion: 96 Resp: 96836
 Ion Ratio Lower Upper
 96 100
 61 123.6 85.1 158.1
 98 63.6 42.8 79.6



#23
 Bromochloromethane
 Concen: 5.221 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

Tgt Ion:128 Resp: 48079
 Ion Ratio Lower Upper
 128 100
 49 156.5 104.0 193.2
 130 134.7 84.6 157.2
 51 52.9 38.1 57.1





#25

Chloroform

Concen: 5.078 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

Instrument :

MSVOA_U

ClientSampleId :

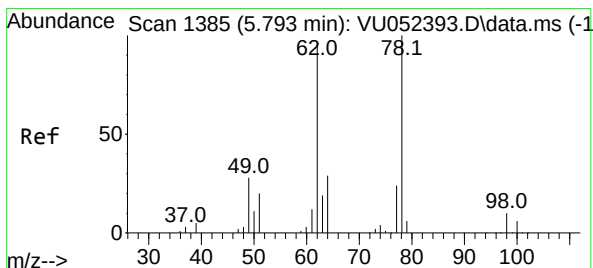
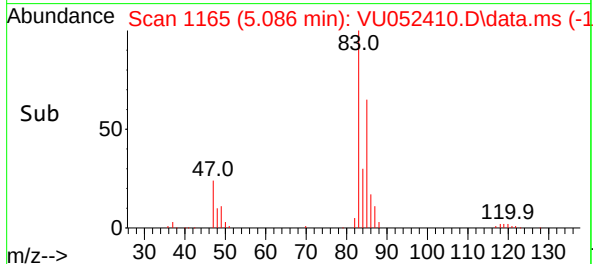
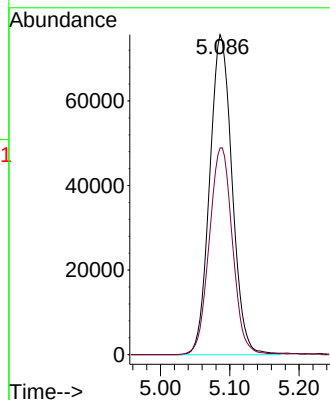
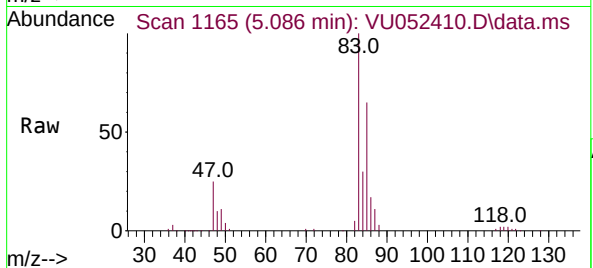
VSTD005109

Tgt Ion: 83 Resp: 170055

Ion Ratio Lower Upper

83 100

85 64.6 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.117 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU052410.D

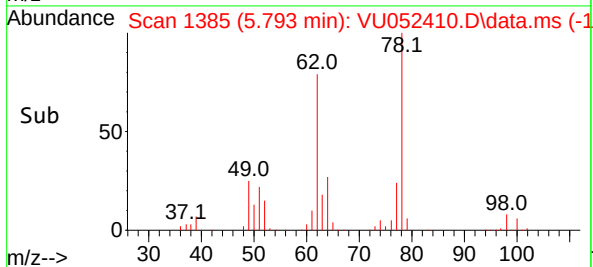
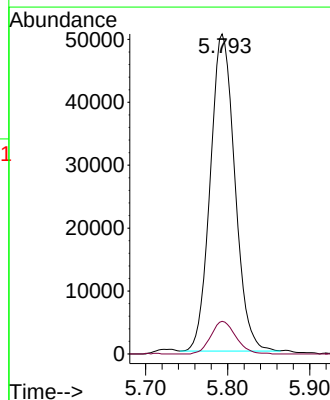
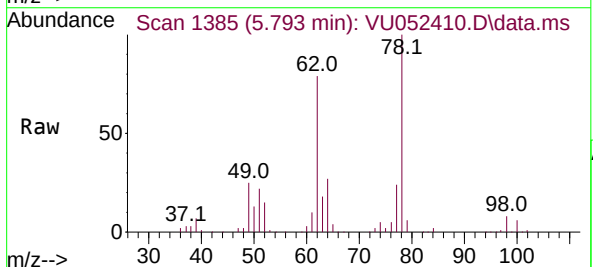
Acq: 15 Dec 2022 09:05

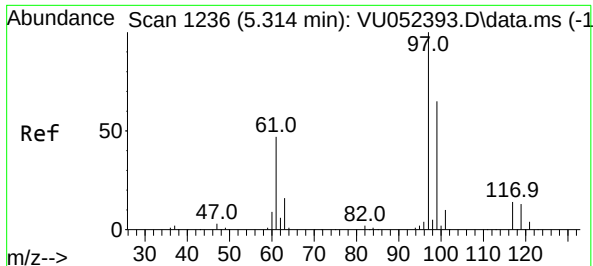
Tgt Ion: 62 Resp: 104964

Ion Ratio Lower Upper

62 100

98 10.2 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 4.816 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

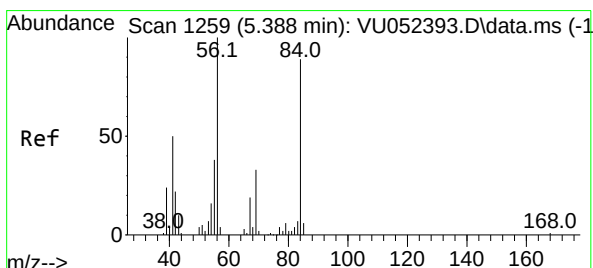
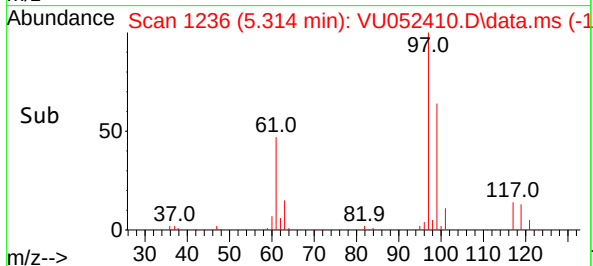
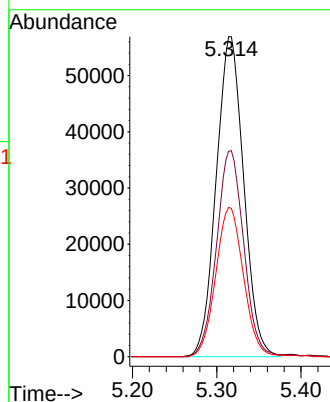
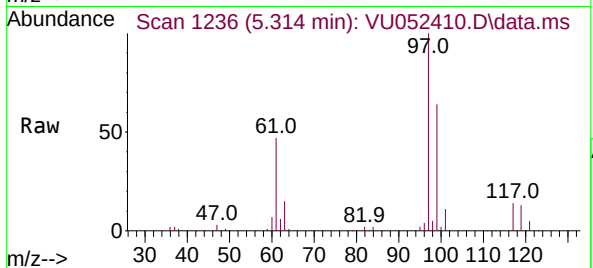
Tgt Ion: 97 Resp: 128889

Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.6

61 47.0 36.9 55.3



#30

Cyclohexane

Concen: 4.337 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

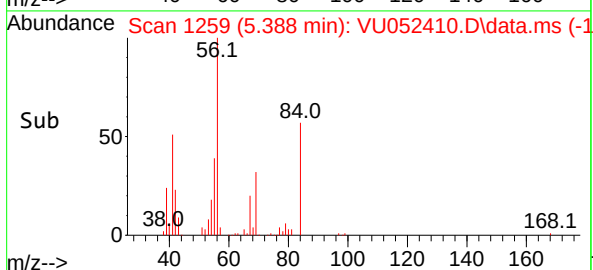
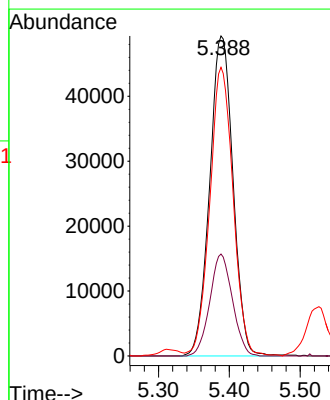
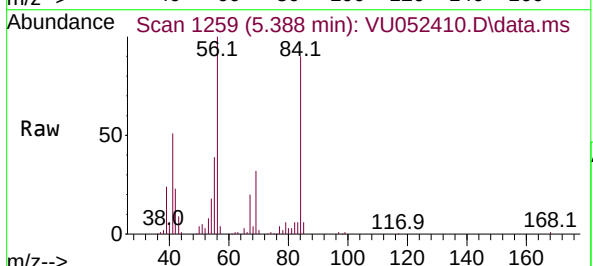
Tgt Ion: 56 Resp: 112700

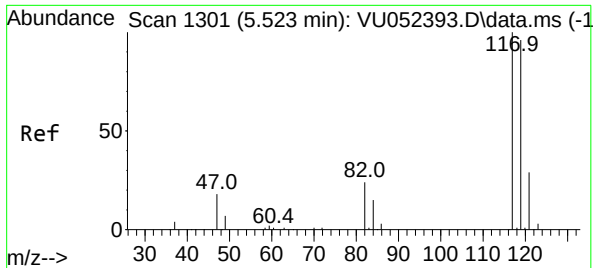
Ion Ratio Lower Upper

56 100

69 30.9 25.6 38.4

84 89.5 72.0 108.0

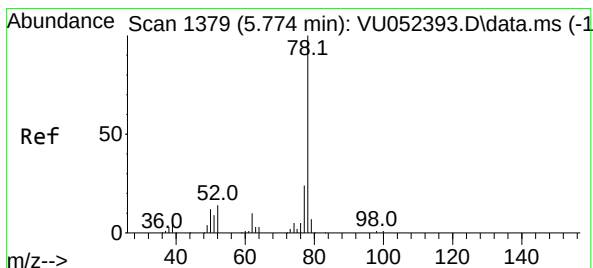
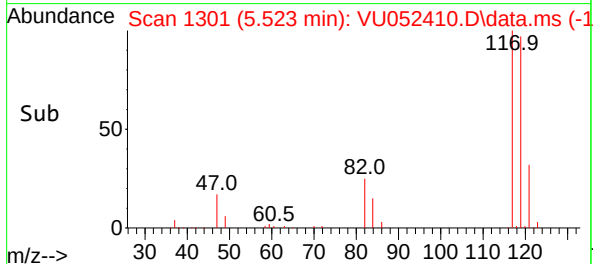
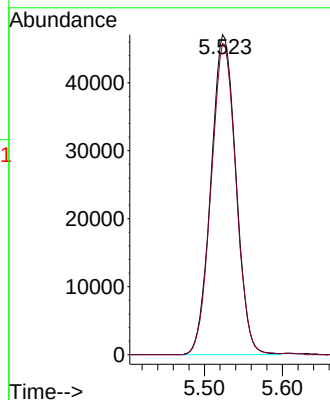
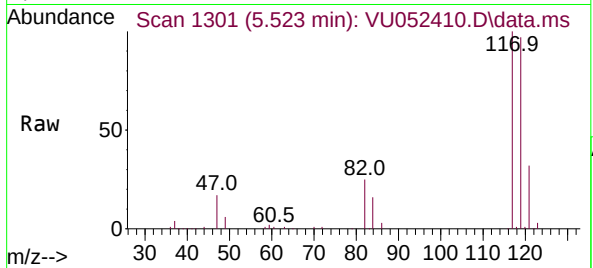




#31
Carbon tetrachloride
Concen: 4.609 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

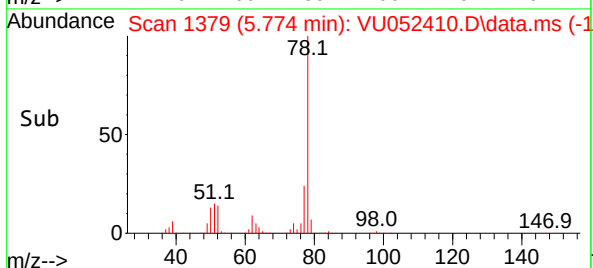
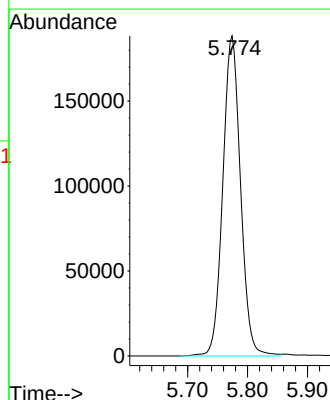
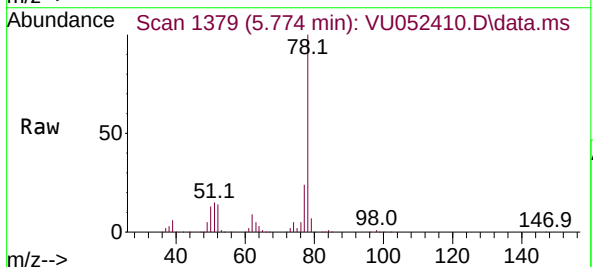
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

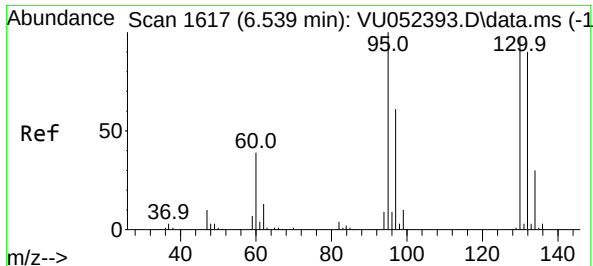
Tgt Ion:117 Resp: 104796
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8



#33
Benzene
Concen: 4.914 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion: 78 Resp: 385735



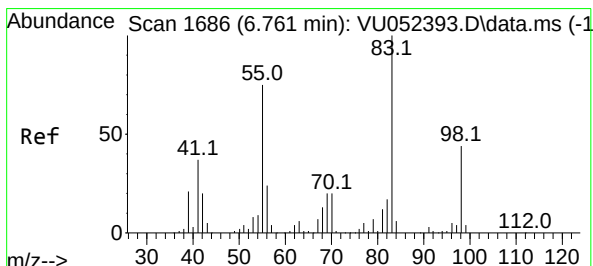
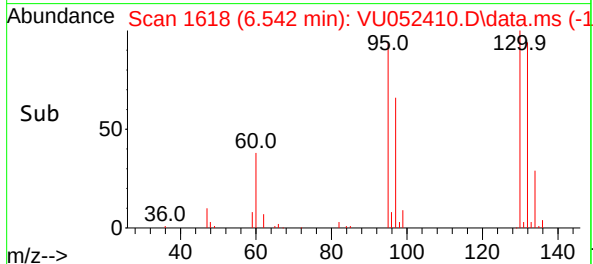
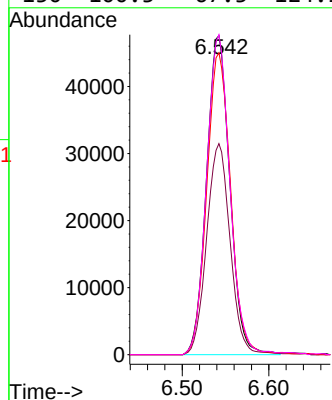
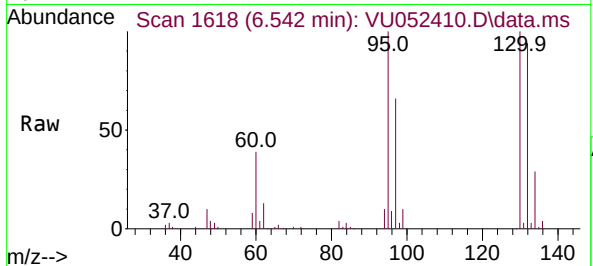


#34
Trichloroethene
Concen: 4.549 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

Tgt Ion: 95 Resp: 89064

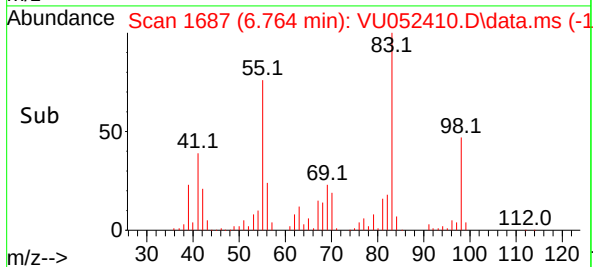
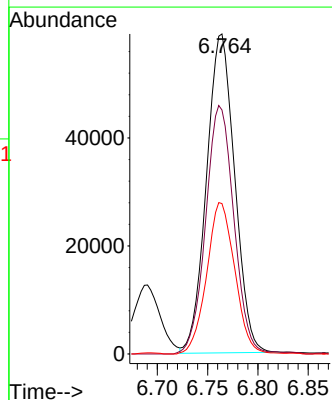
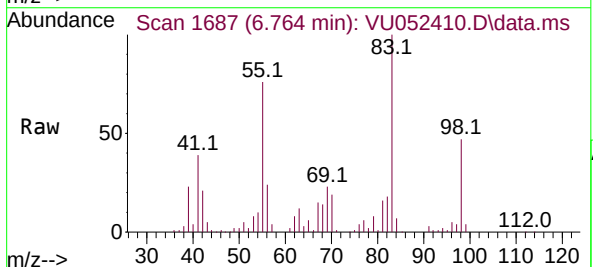
Ion	Ratio	Lower	Upper
95	100		
97	66.2	43.7	81.1
132	94.6	64.3	119.3
130	100.3	67.3	124.9

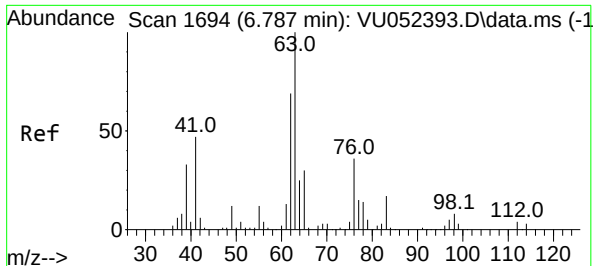


#35
Methylcyclohexane
Concen: 4.088 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion: 83 Resp: 115147

Ion	Ratio	Lower	Upper
83	100		
55	78.1	60.8	91.2
98	47.3	35.1	52.7





#37

1,2-Dichloropropane

Concen: 5.016 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

Instrument :

MSVOA_U

ClientSampleId :

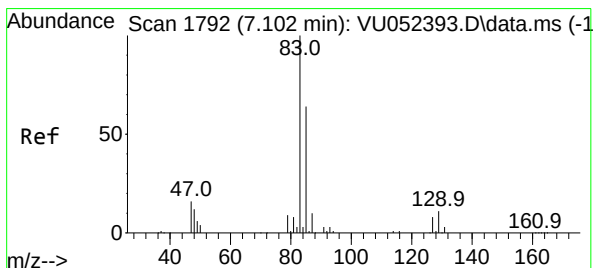
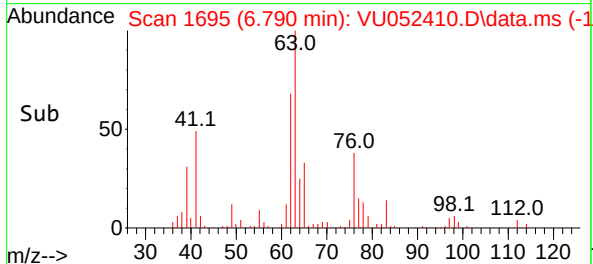
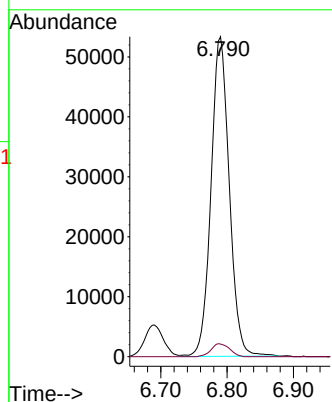
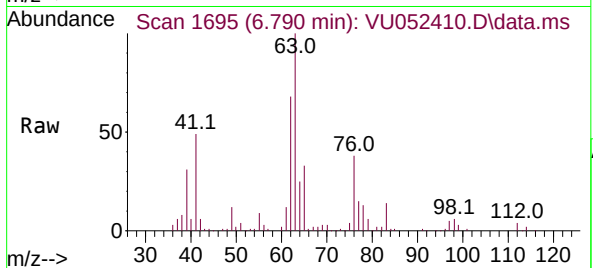
VSTD005109

Tgt Ion: 63 Resp: 101948

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 5.133 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

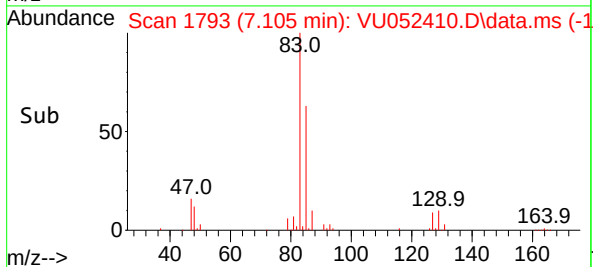
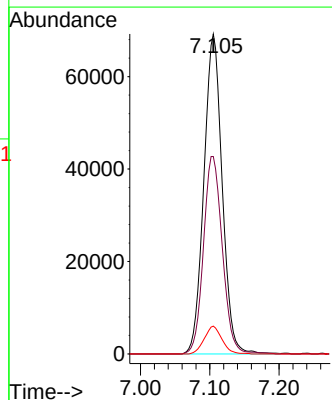
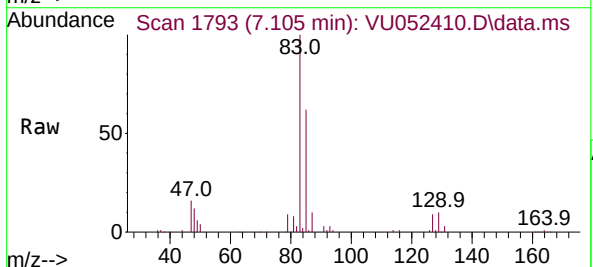
Tgt Ion: 83 Resp: 127193

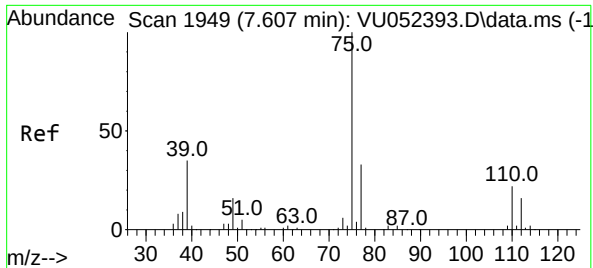
Ion Ratio Lower Upper

83 100

85 61.7 43.5 80.9

127 8.7 6.8 10.2

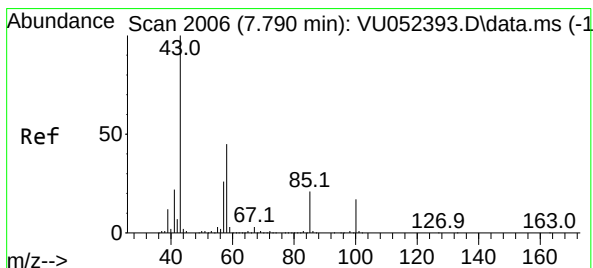
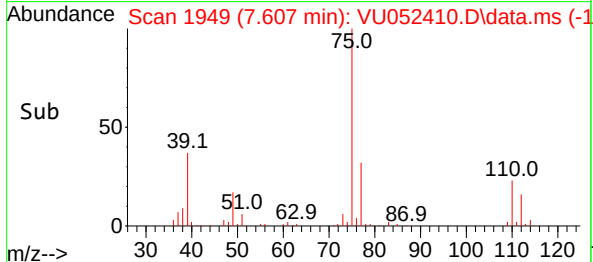
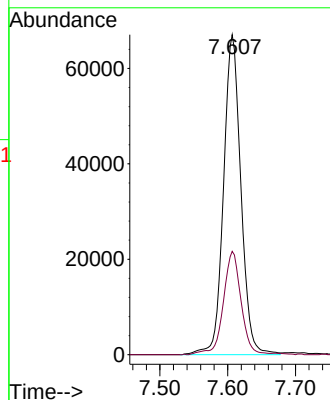
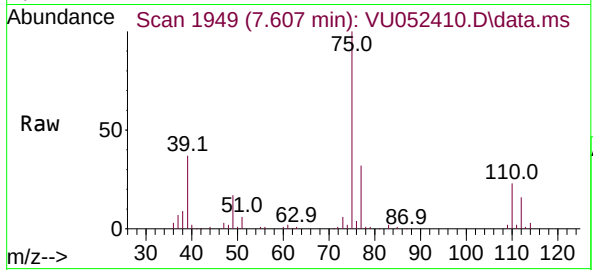




#39
 cis-1,3-Dichloropropene
 Concen: 4.575 ug/L
 RT: 7.607 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

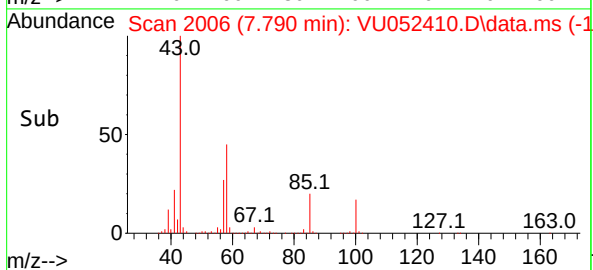
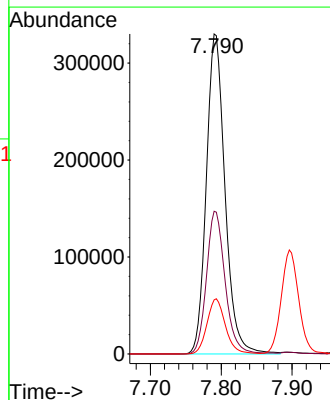
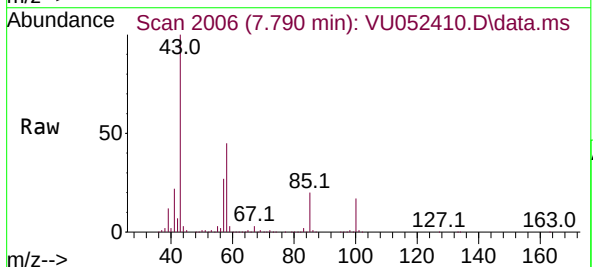
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

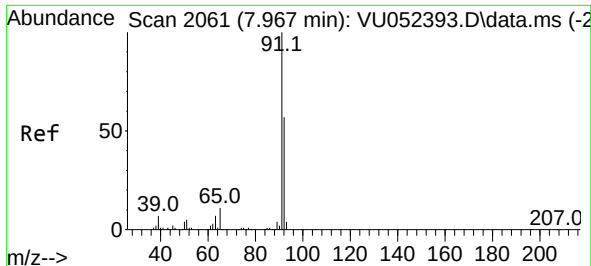
Tgt Ion: 75 Resp: 119393
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 56.928 ug/L
 RT: 7.790 min Scan# 2006
 Delta R.T. -0.000 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

Tgt Ion: 43 Resp: 604377
 Ion Ratio Lower Upper
 43 100
 58 44.5 35.3 52.9
 100 17.0 13.6 20.4





#42

Toluene

Concen: 5.049 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

Instrument :

MSVOA_U

ClientSampleId :

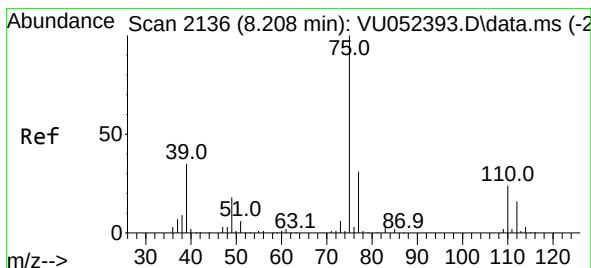
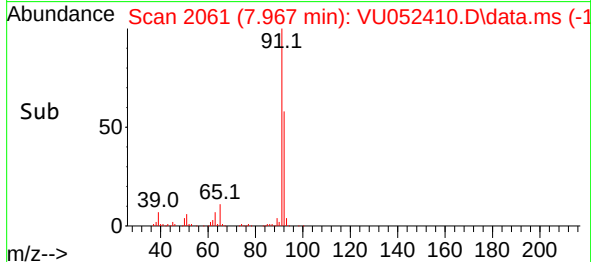
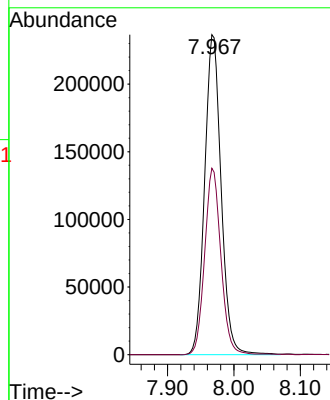
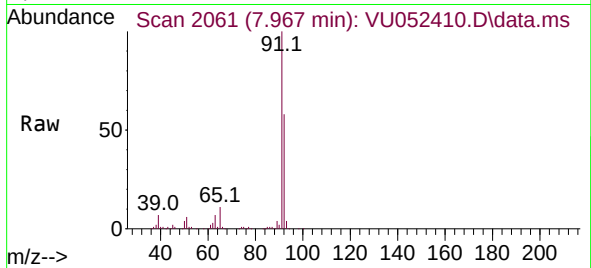
VSTD005109

Tgt Ion: 91 Resp: 407715

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.922 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052410.D

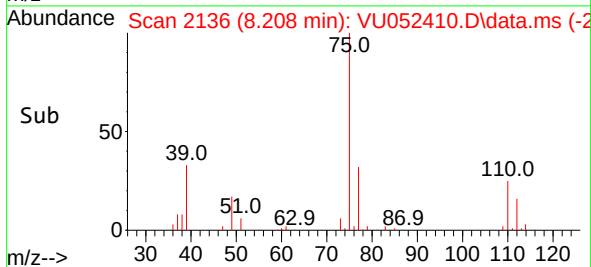
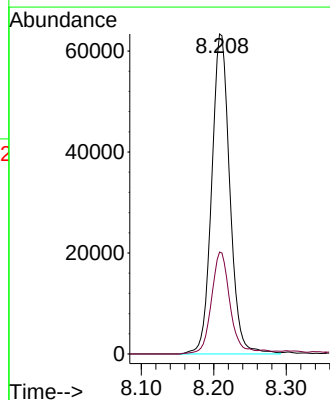
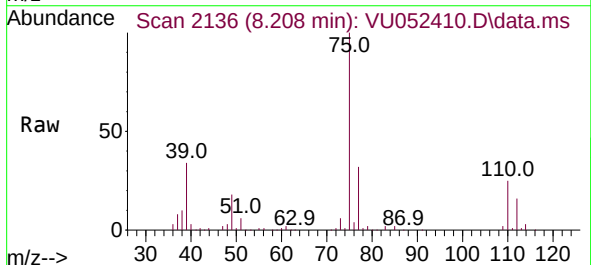
Acq: 15 Dec 2022 09:05

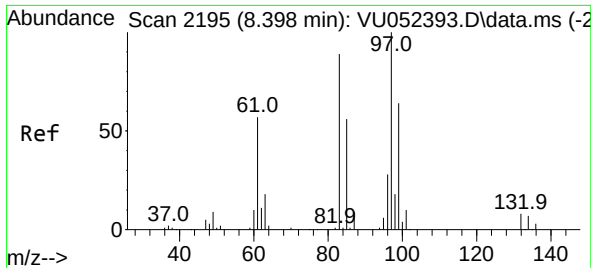
Tgt Ion: 75 Resp: 109976

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0

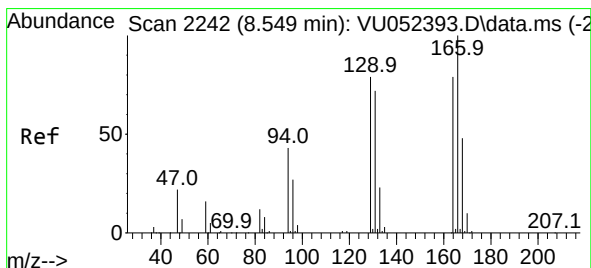
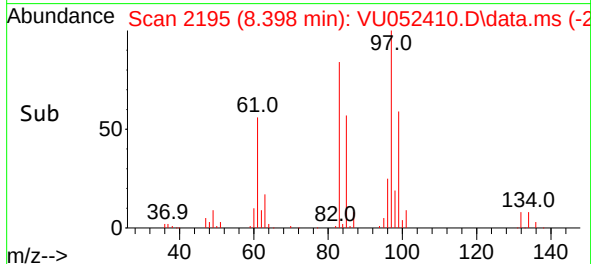
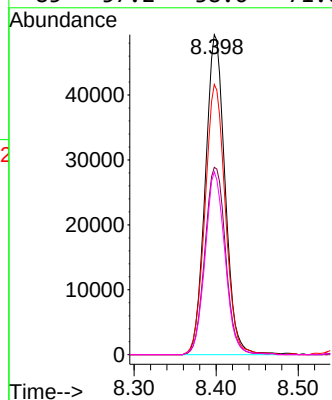
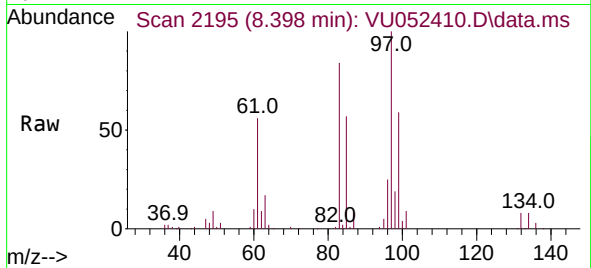




#45
1,1,2-Trichloroethane
Concen: 5.400 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

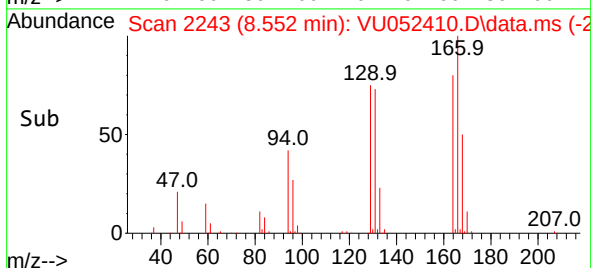
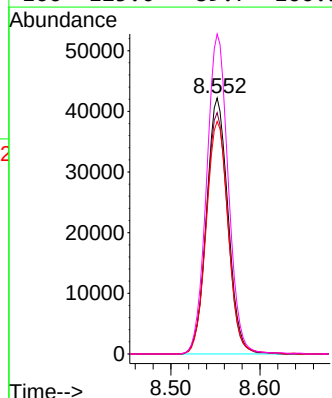
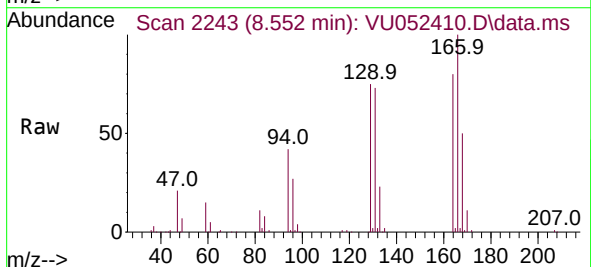
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

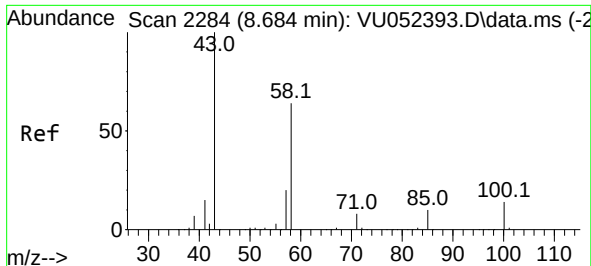
Tgt Ion:	97	Resp:	82479
Ion	Ratio	Lower	Upper
97	100		
99	58.6	42.6	79.2
83	84.5	60.7	112.7
85	57.2	38.6	71.6



#47
Tetrachloroethene
Concen: 4.727 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion:	164	Resp:	70928
Ion	Ratio	Lower	Upper
164	100		
129	94.3	67.4	125.2
131	90.8	67.1	124.7
166	125.0	89.7	166.5

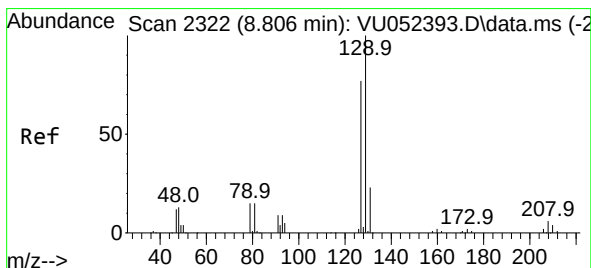
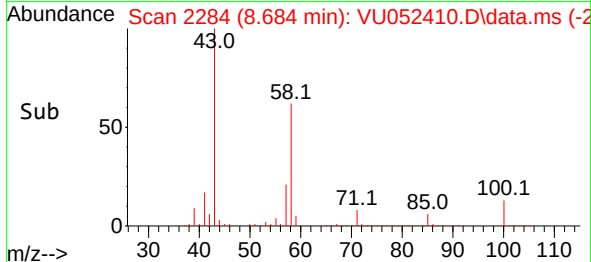
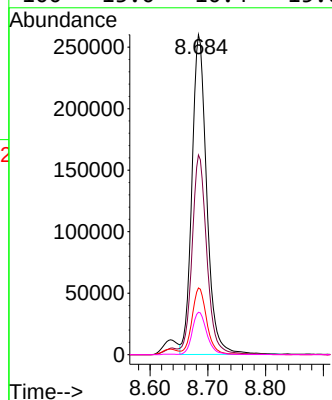
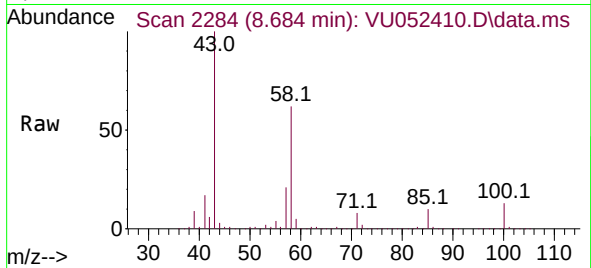




#48
2-Hexanone
Concen: 59.461 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

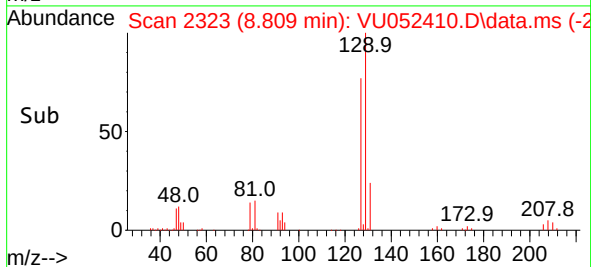
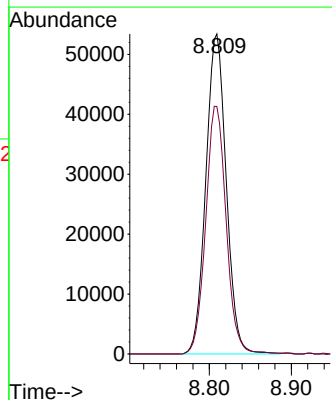
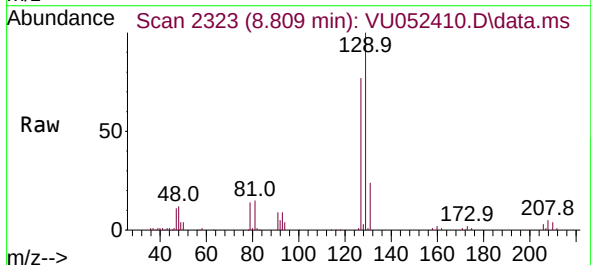
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

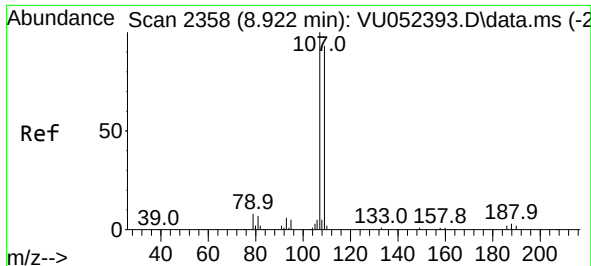
Tgt Ion:	43	Resp:	462793
Ion	Ratio	Lower	Upper
43	100		
58	61.7	49.4	74.0
57	20.7	16.3	24.5
100	13.0	10.4	15.6



#49
Dibromochloromethane
Concen: 5.401 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion:	129	Resp:	92391
Ion	Ratio	Lower	Upper
129	100		
127	77.3	52.8	98.2

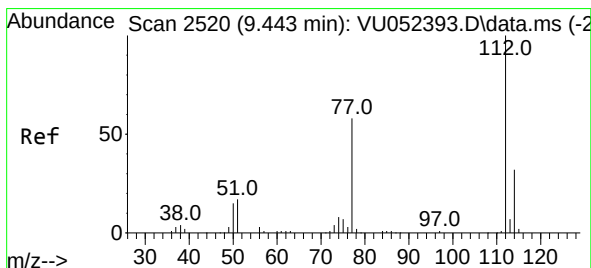
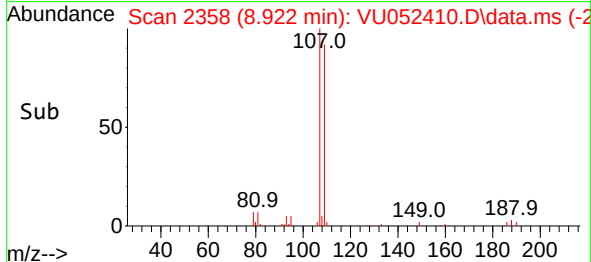
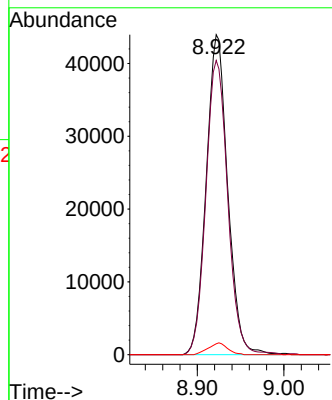
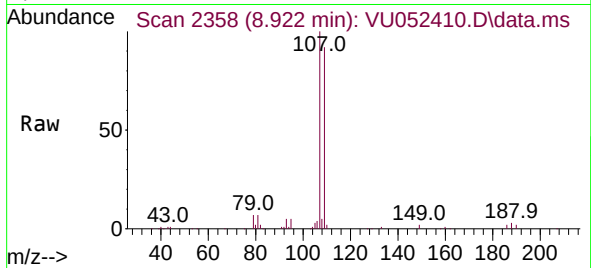




#50
1,2-Dibromoethane
Concen: 5.455 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

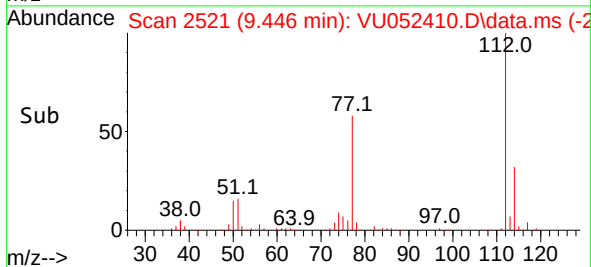
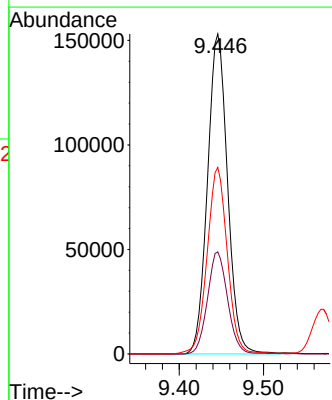
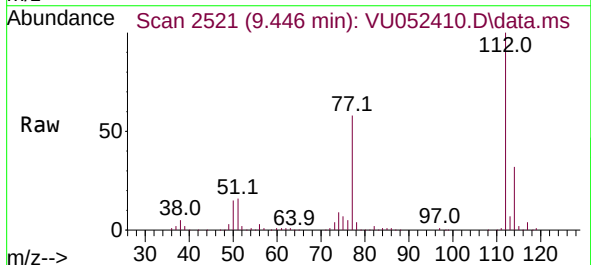
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

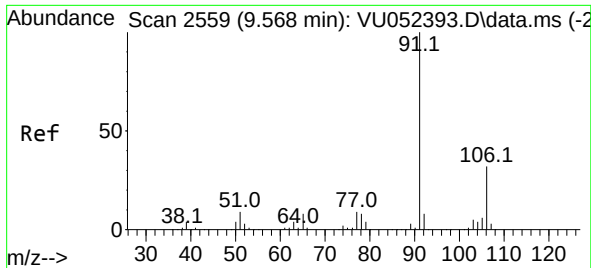
Tgt Ion:107 Resp: 75887
Ion Ratio Lower Upper
107 100
109 92.0 64.9 120.5
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 4.935 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion:112 Resp: 254076
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 58.3 46.6 70.0

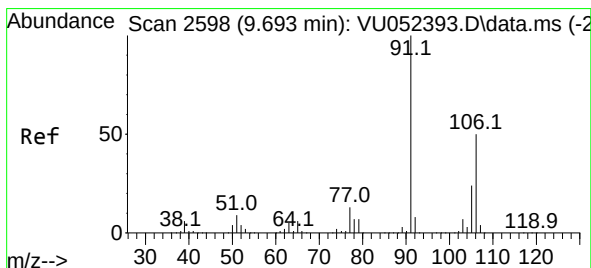
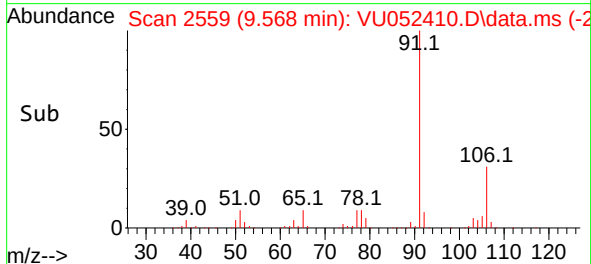
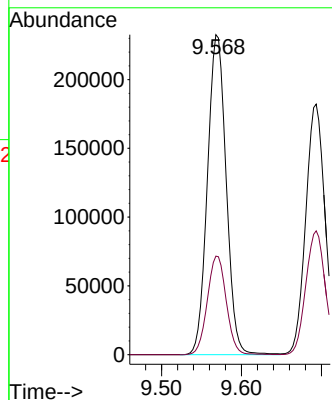
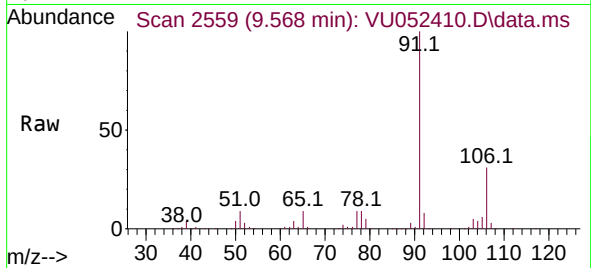




#52
Ethylbenzene
Concen: 4.830 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

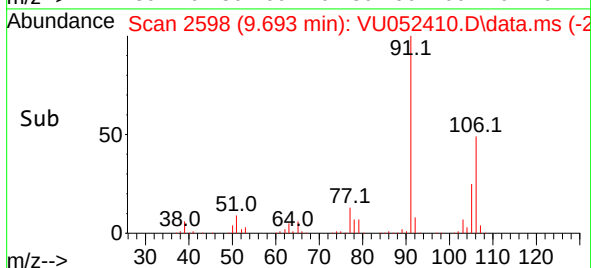
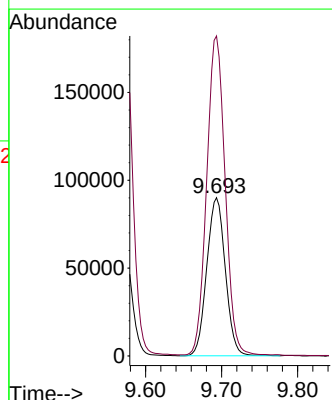
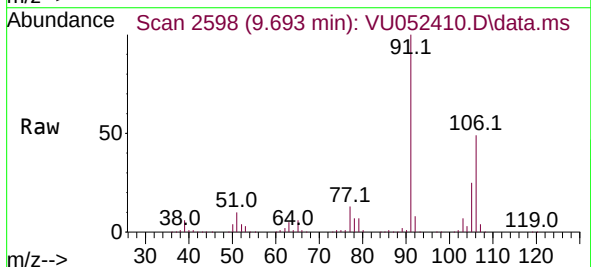
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

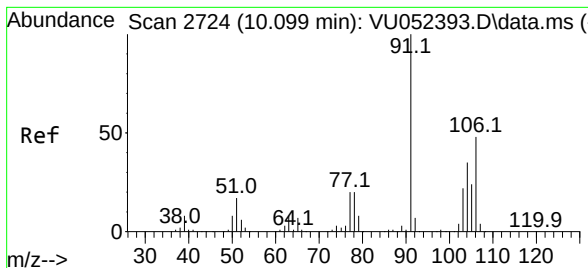
Tgt Ion: 91 Resp: 379125
Ion Ratio Lower Upper
91 100
106 30.8 22.3 41.3



#53
m,p-Xylene
Concen: 5.023 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion: 106 Resp: 152690
Ion Ratio Lower Upper
106 100
91 202.2 137.7 255.7





#54

o-Xylene

Concen: 5.056 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

Instrument :

MSVOA_U

ClientSampleId :

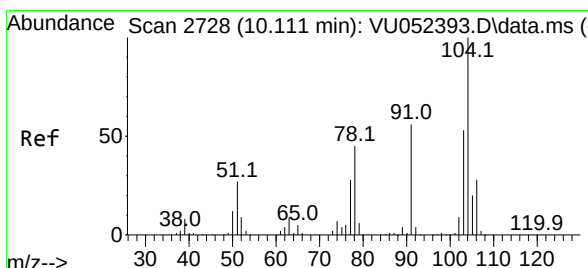
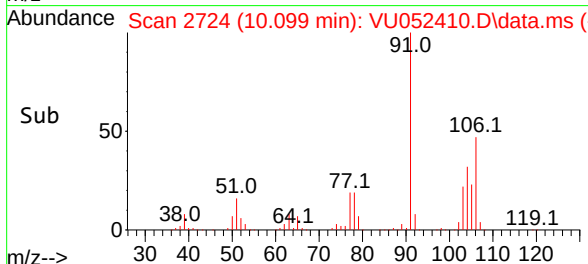
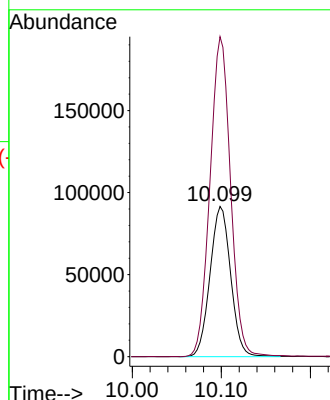
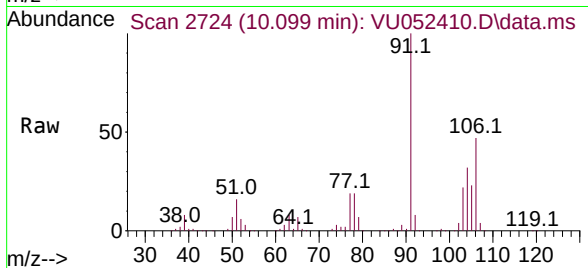
VSTD005109

Tgt Ion:106 Resp: 147285

Ion Ratio Lower Upper

106 100

91 213.0 151.5 281.5



#55

Styrene

Concen: 5.270 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052410.D

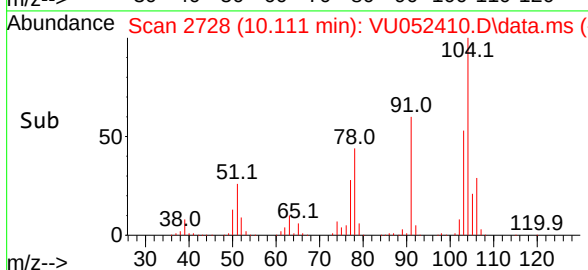
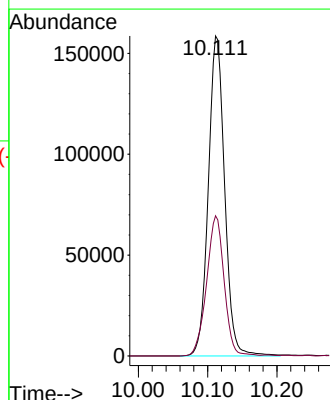
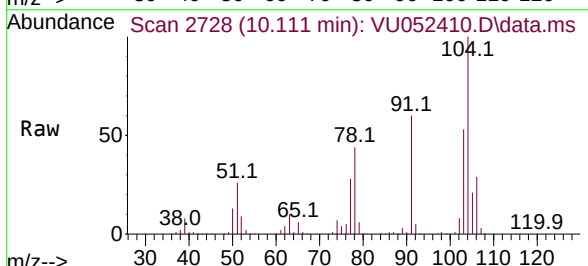
Acq: 15 Dec 2022 09:05

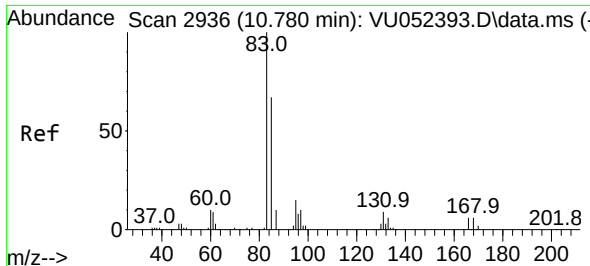
Tgt Ion:104 Resp: 259295

Ion Ratio Lower Upper

104 100

78 43.8 30.6 56.8

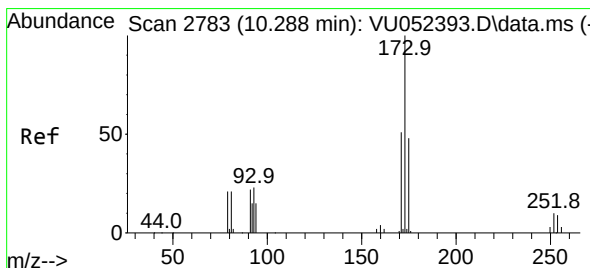
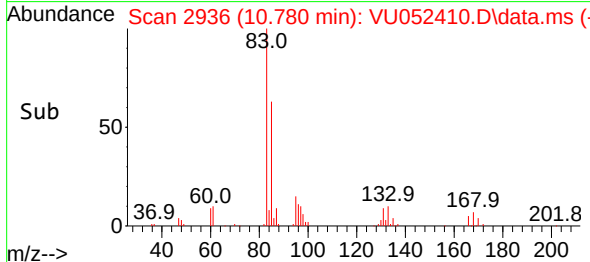
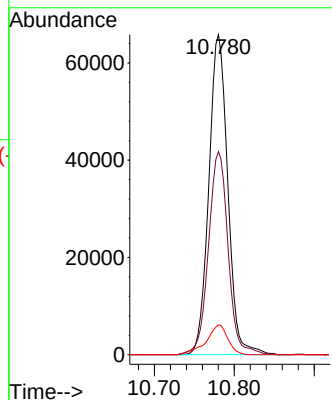
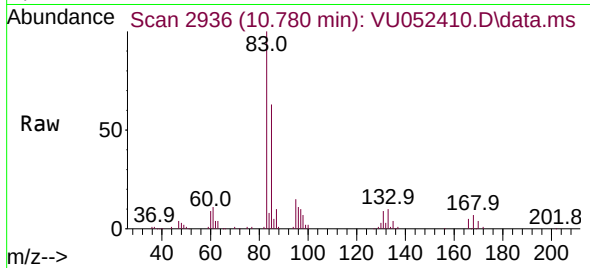




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.687 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. -0.000 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

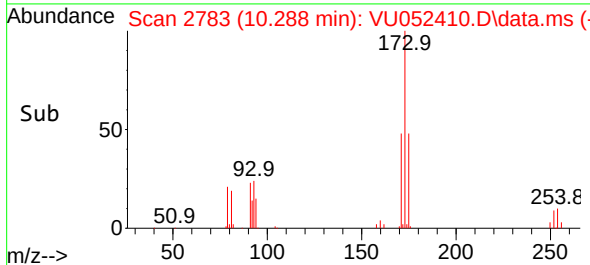
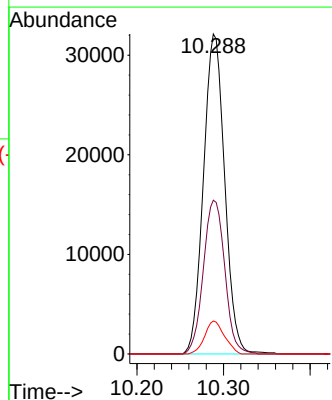
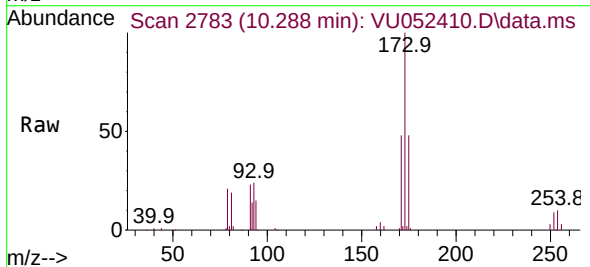
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

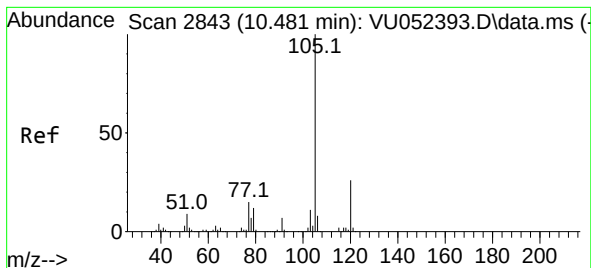
Tgt Ion: 83 Resp: 108479
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.7 84.9
 131 9.3 7.6 11.4



#59
 Bromoform
 Concen: 5.276 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.000 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

Tgt Ion:173 Resp: 54702
 Ion Ratio Lower Upper
 173 100
 175 48.4 37.2 55.8
 254 9.6 7.0 10.6





#60

Isopropylbenzene

Concen: 4.635 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

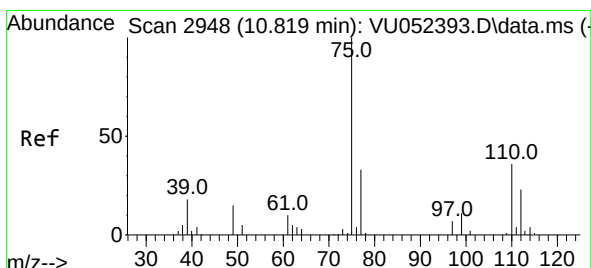
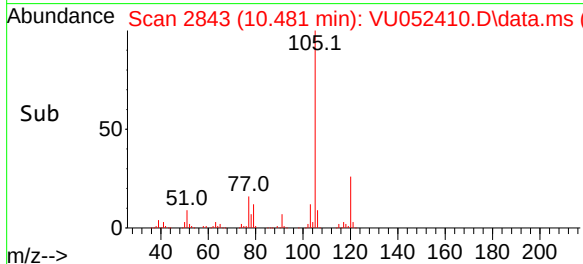
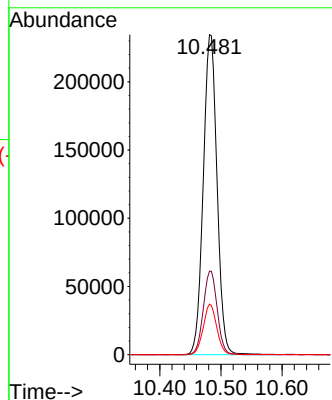
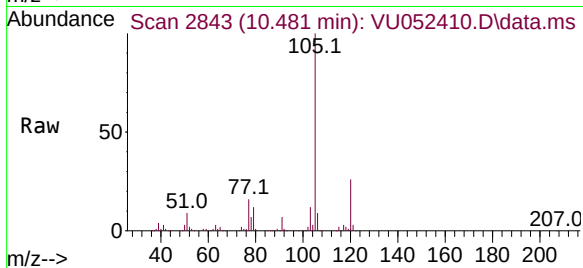
Tgt Ion:105 Resp: 366457

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

77 15.6 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 5.150 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

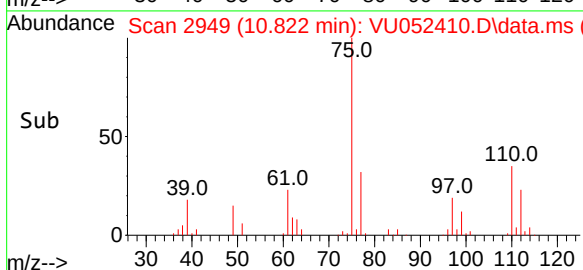
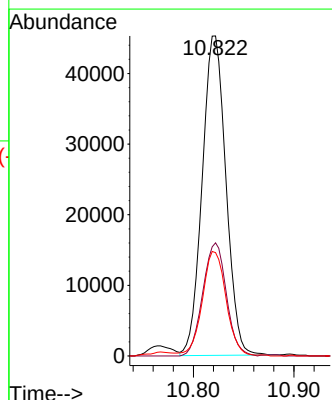
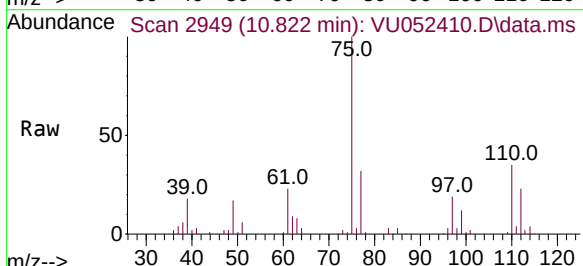
Tgt Ion: 75 Resp: 74197

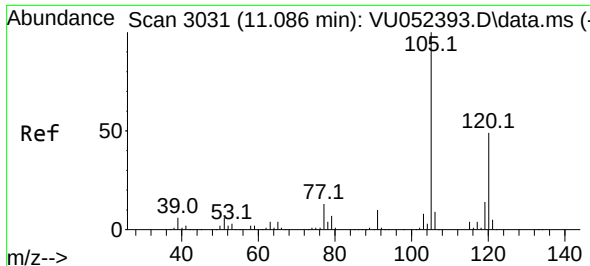
Ion Ratio Lower Upper

75 100

110 35.2 28.3 42.5

77 33.0 26.2 39.2

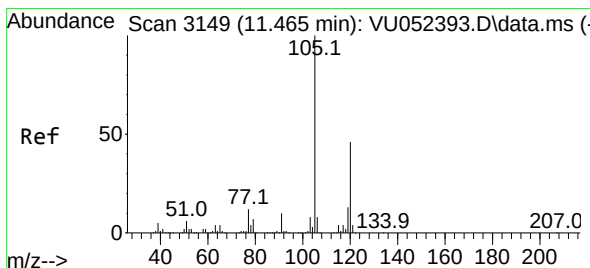
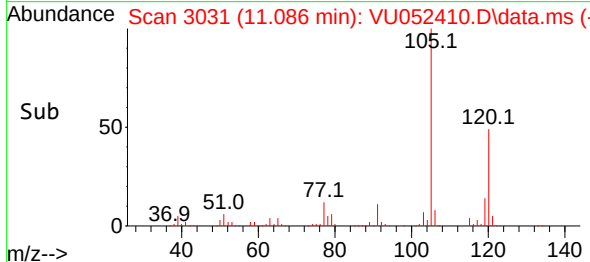
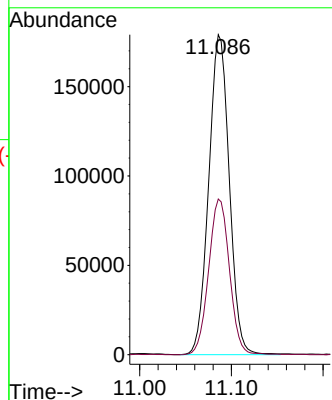
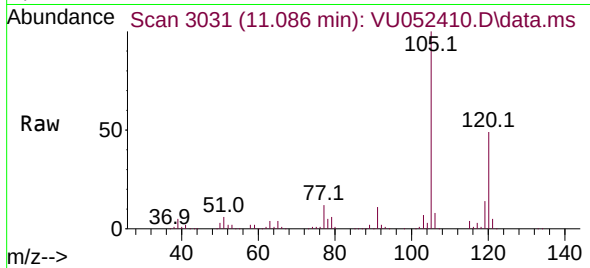




#62
1,3,5-Trimethylbenzene
Concen: 4.412 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

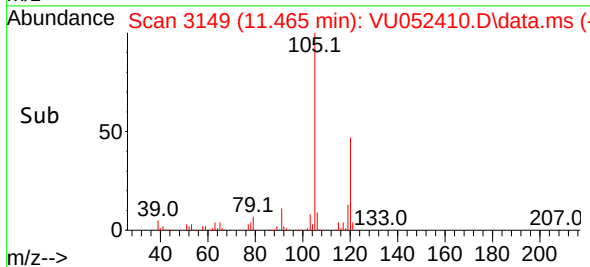
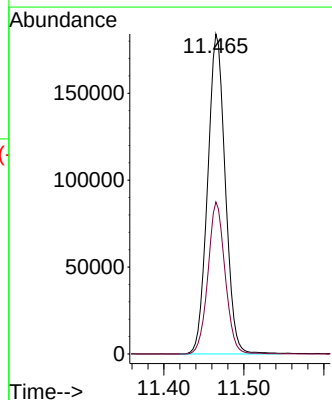
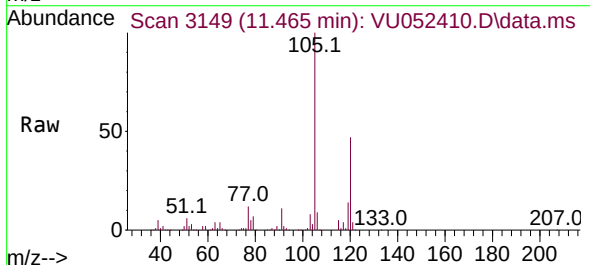
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

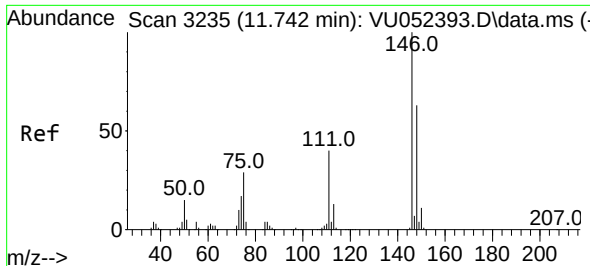
Tgt Ion:105 Resp: 278862
Ion Ratio Lower Upper
105 100
120 49.3 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 4.506 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion:105 Resp: 282712
Ion Ratio Lower Upper
105 100
120 46.1 36.6 55.0

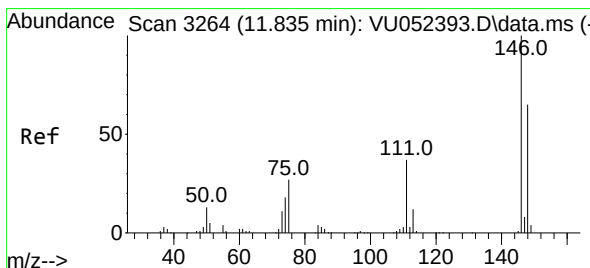
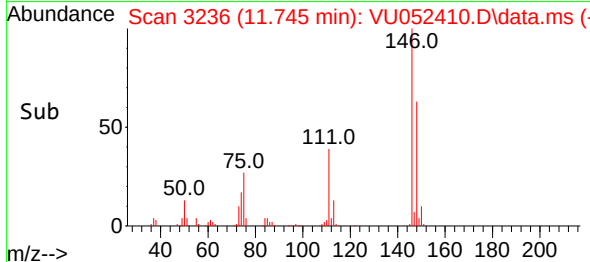
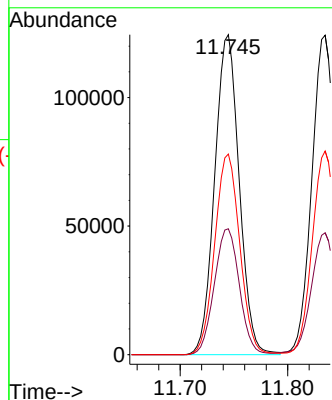
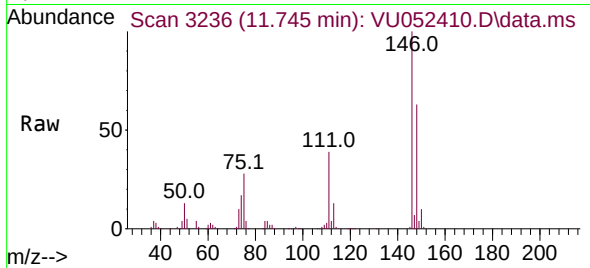




#64
1,3-Dichlorobenzene
Concen: 4.887 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

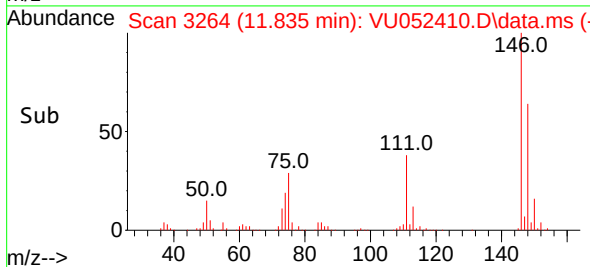
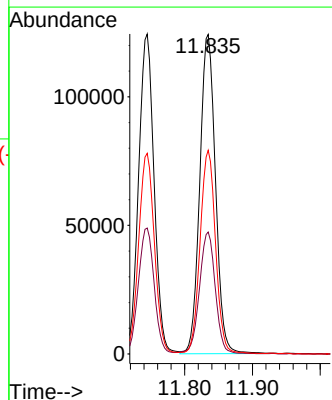
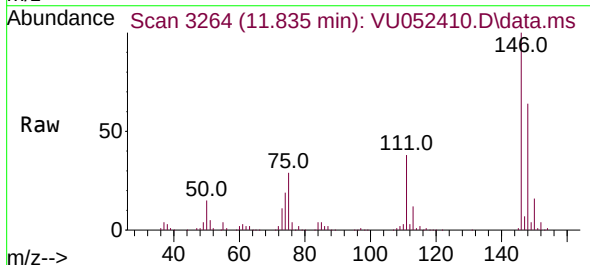
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

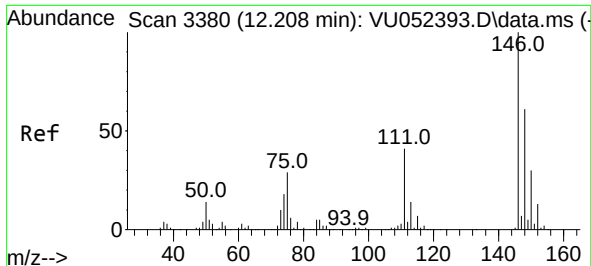
Tgt Ion:146 Resp: 197301
Ion Ratio Lower Upper
146 100
111 39.3 28.6 53.2
148 62.7 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 4.954 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion:146 Resp: 199484
Ion Ratio Lower Upper
146 100
111 38.1 26.9 50.1
148 63.7 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 4.985 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

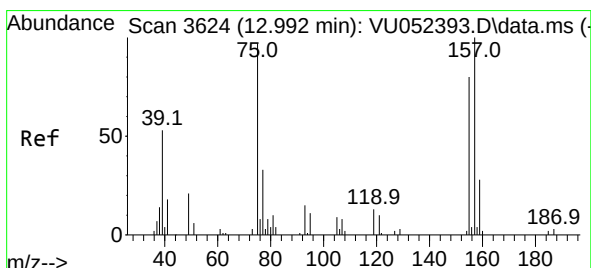
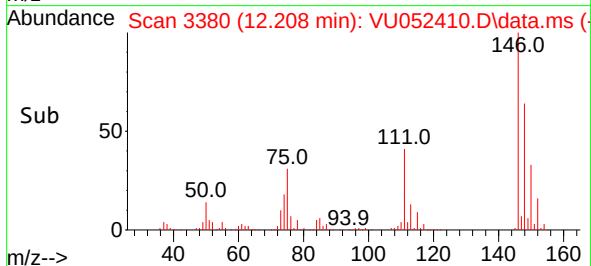
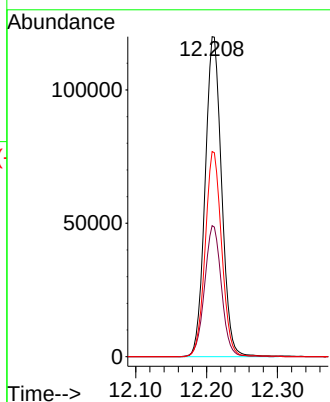
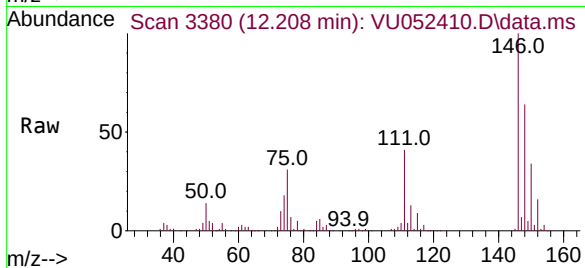
Tgt Ion:146 Resp: 193816

Ion Ratio Lower Upper

146 100

111 41.0 32.7 49.1

148 64.1 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.899 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052410.D

Acq: 15 Dec 2022 09:05

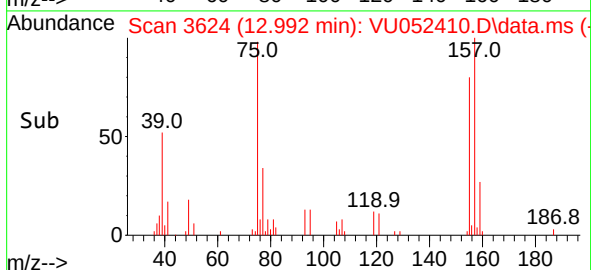
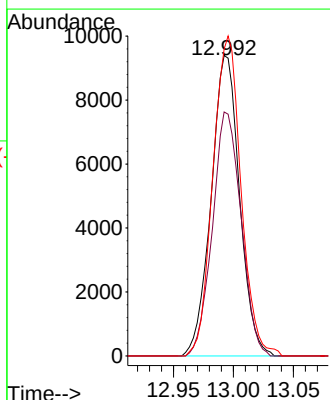
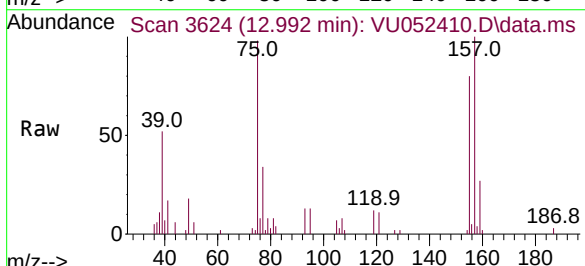
Tgt Ion: 75 Resp: 15446

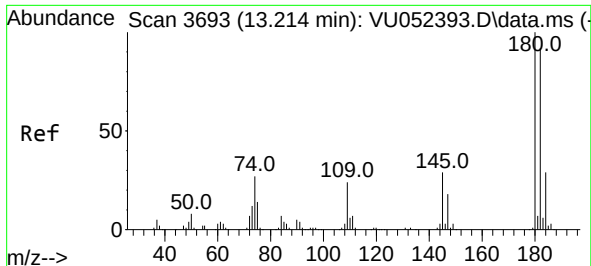
Ion Ratio Lower Upper

75 100

155 81.2 65.4 98.2

157 102.1 80.5 120.7

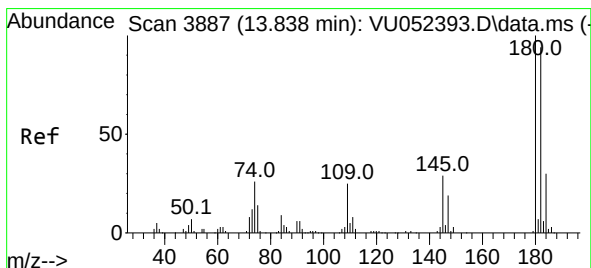
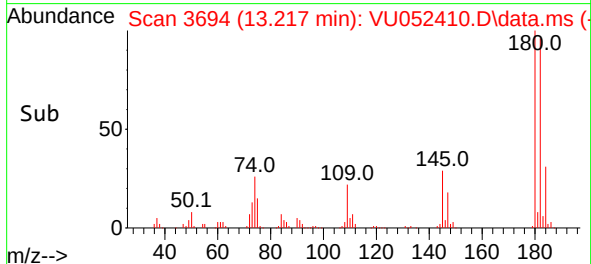
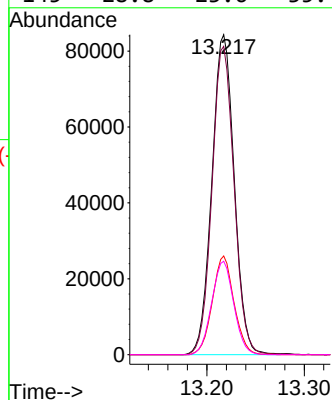
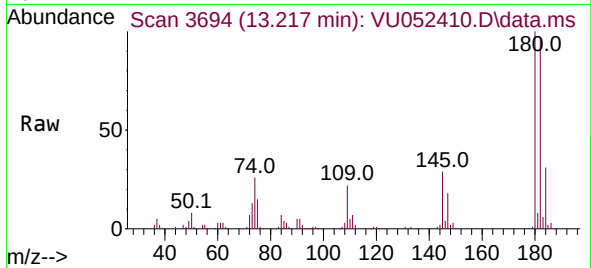




#69
 1,3,5-Trichlorobenzene
 Concen: 4.699 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.003 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

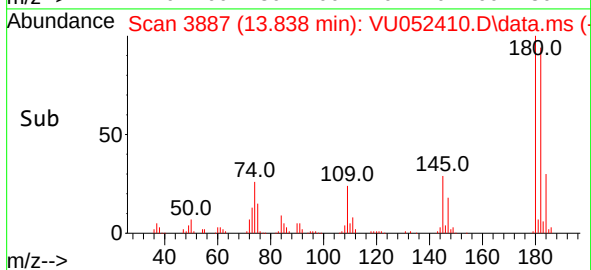
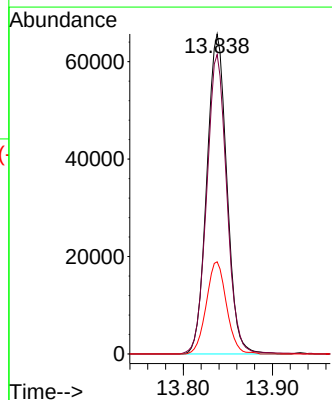
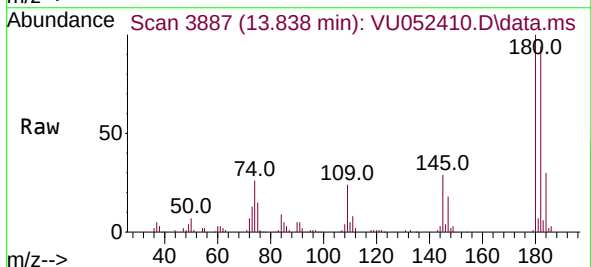
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

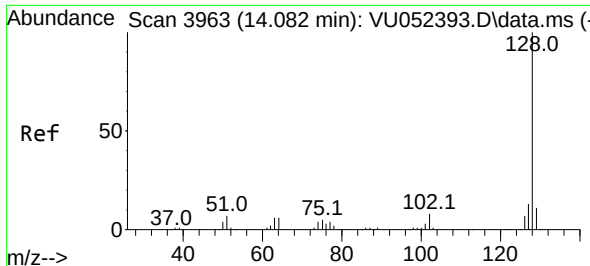
Tgt Ion:180 Resp: 134531
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.7 113.5
 184 29.9 24.3 36.5
 145 28.8 23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 4.695 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU052410.D
 Acq: 15 Dec 2022 09:05

Tgt Ion:180 Resp: 102358
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.3 114.5
 145 29.1 24.6 36.8

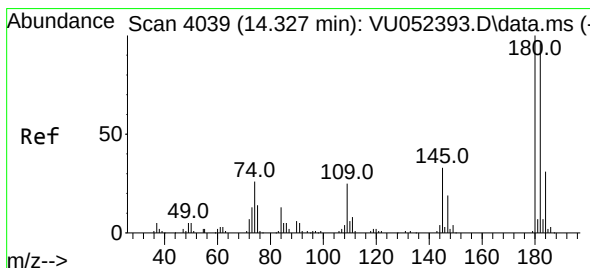
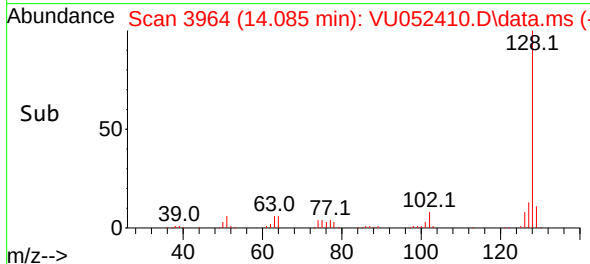
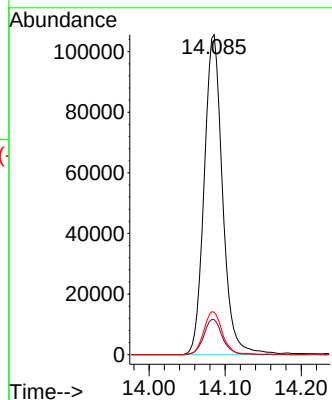
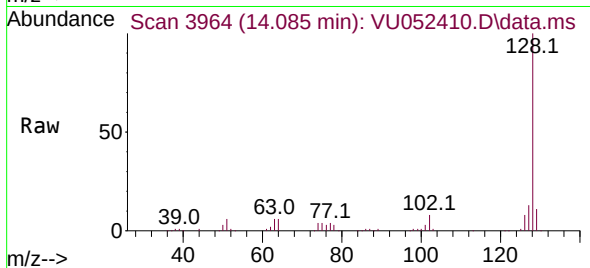




#71
Naphthalene
Concen: 4.336 ug/L
RT: 14.085 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

Tgt Ion:128 Resp: 177456
Ion Ratio Lower Upper
128 100
129 11.3 8.3 12.5
127 13.6 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.683 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU052410.D
Acq: 15 Dec 2022 09:05

Tgt Ion:180 Resp: 100441
Ion Ratio Lower Upper
180 100
182 96.3 75.7 113.5
145 32.7 24.5 36.7

