

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121322\
 Data File : VU052391.D
 Acq On : 13 Dec 2022 20:39
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005106

Quant Time: Dec 14 03:23:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 14 03:17:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	242269	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	242331	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	131259	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	87898	3.730	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.600%
7) Chloroethane-d5	1.915	69	83460	4.560	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.568	65	37256	4.411	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.639	46	293088	68.614	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.220%#
24) Chloroform-d	5.063	84	191523	5.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.600%
26) 1,2-Dichloroethane-d4	5.700	65	98251	5.618	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.400%
32) Benzene-d6	5.726	84	383976	5.337	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
36) 1,2-Dichloropropane-d6	6.687	67	125288	5.627	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.600%
41) Toluene-d8	7.896	98	352587	5.417	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.400%
43) trans-1,3-Dichloroprop...	8.176	79	44076	5.432	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.600%
46) 2-Hexanone-d5	8.632	63	230582	67.061	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	134.120%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	119072	6.168	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.400%#
66) 1,2-Dichlorobenzene-d4	12.188	152	133180	5.300	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	93457	4.448	ug/L	100
3) Chloromethane	1.520	50	113082	4.124	ug/L	99
5) Vinyl chloride	1.607	62	120258	4.564	ug/L	99
6) Bromomethane	1.861	94	62847	4.648	ug/L	96
8) Chloroethane	1.938	64	76109	4.645	ug/L	96
9) Trichlorofluoromethane	2.141	101	134206	4.630	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	83008	4.684	ug/L	99
12) 1,1-Dichloroethene	2.581	96	86349	4.913	ug/L	94
13) Acetone	2.661	43	170709	58.852	ug/L	99
14) Carbon disulfide	2.796	76	277112	4.555	ug/L	99
15) Methyl Acetate	2.960	43	43051	5.722	ug/L	98
16) Methylene chloride	3.047	84	177778	7.477	ug/L	100
17) Methyl tert-butyl Ether	3.362	73	207236	5.267	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	93347	4.955	ug/L	97
19) 1,1-Dichloroethane	3.867	63	179655	5.291	ug/L	98
21) 2-Butanone	4.716	43	284759	61.251	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	104314	5.276	ug/L	97
23) Bromochloromethane	4.973	128	50910	5.382	ug/L	93
25) Chloroform	5.086	83	180077	5.234	ug/L	97

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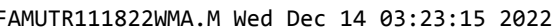
Instrument :
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 ClientSampleId :
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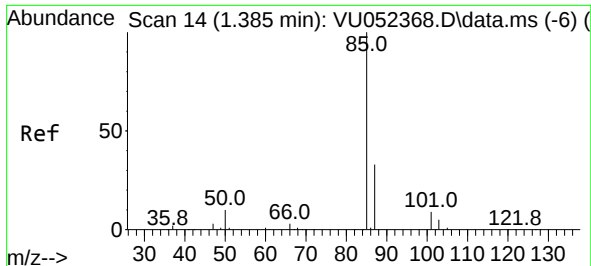
Quant Time: Dec 14 03:23:08 2022
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	112932	5.359	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	137701	5.122	ug/L	100
30) Cyclohexane	5.388	56	124059	4.752	ug/L	97
31) Carbon tetrachloride	5.523	117	111770	4.893	ug/L	100
33) Benzene	5.771	78	410830	5.209	ug/L	100
34) Trichloroethene	6.539	95	105245	5.350	ug/L	98
35) Methylcyclohexane	6.761	83	133039	4.702	ug/L	99
37) 1,2-Dichloropropane	6.787	63	109584	5.367	ug/L	100
38) Bromodichloromethane	7.102	83	130348	5.236	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	132254	5.045	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	647411	60.697	ug/L	100
42) Toluene	7.967	91	437016	5.387	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	116929	5.208	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	83821	5.462	ug/L	99
47) Tetrachloroethene	8.552	164	74175	4.920	ug/L	98
48) 2-Hexanone	8.680	43	495452	63.360	ug/L	99
49) Dibromochloromethane	8.806	129	94580	5.503	ug/L	95
50) 1,2-Dibromoethane	8.922	107	78280	5.601	ug/L	99
51) Chlorobenzene	9.443	112	272639	5.271	ug/L	99
52) Ethylbenzene	9.568	91	411831	5.222	ug/L	99
53) m,p-Xylene	9.690	106	165122	5.407	ug/L	98
54) o-Xylene	10.098	106	157246	5.372	ug/L	100
55) Styrene	10.111	104	275930	5.581	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	111920	5.840	ug/L	99
59) Bromoform	10.285	173	55900	5.171	ug/L	98
60) Isopropylbenzene	10.481	105	403608	4.895	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	76031	5.061	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	305865	4.641	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	309222	4.727	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	213303	5.067	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	214837	5.117	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	206385	5.091	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	15454	4.701	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	148023	4.959	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	118292	5.204	ug/L	100
71) Naphthalene	14.082	128	204703	4.796	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	116980	5.230	ug/L	100

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

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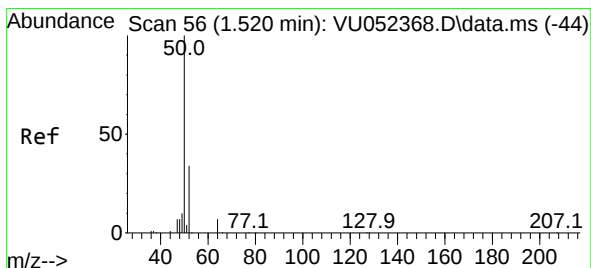
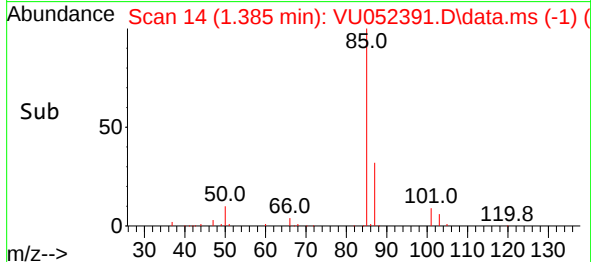
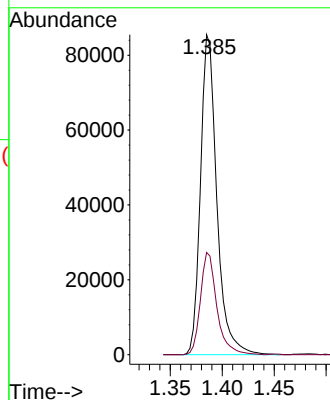
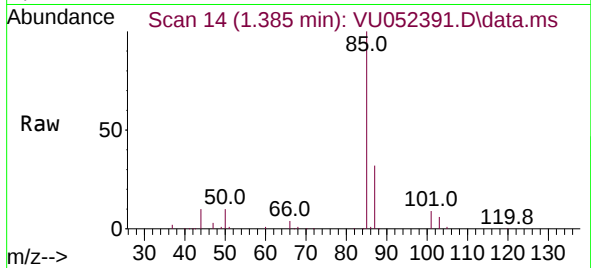




#2
Dichlorodifluoromethane
Concen: 4.448 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

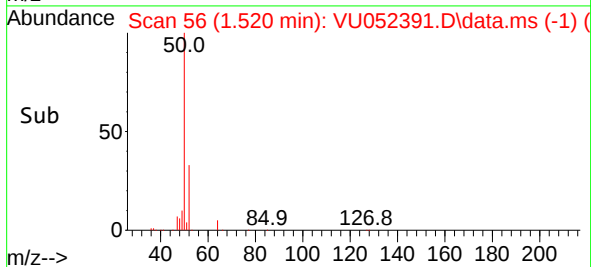
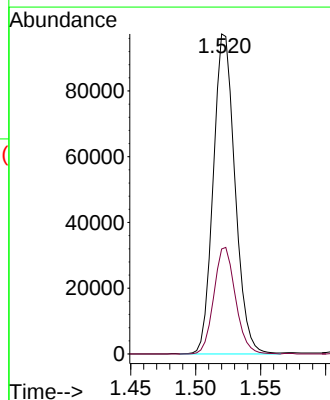
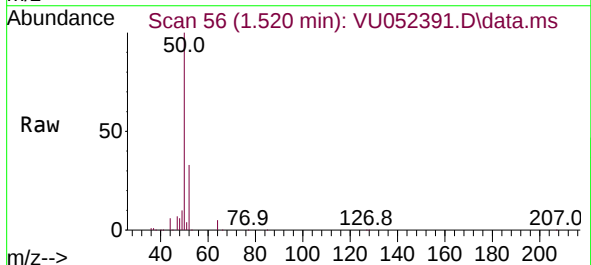
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

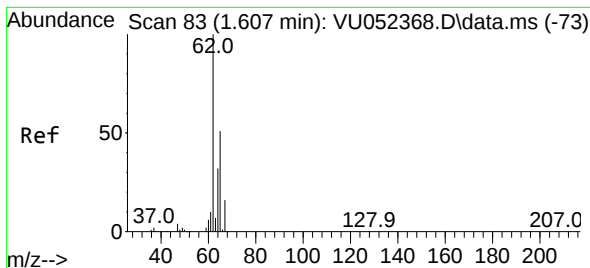
Tgt Ion: 85 Resp: 93457
Ion Ratio Lower Upper
85 100
87 32.1 25.8 38.8



#3
Chloromethane
Concen: 4.124 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion: 50 Resp: 113082
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.4





#5

Vinyl chloride

Concen: 4.564 ug/L

RT: 1.607 min Scan# 83

Delta R.T. -0.000 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

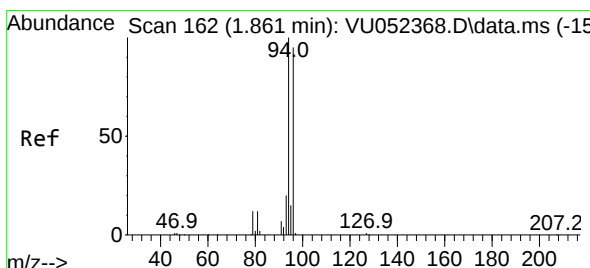
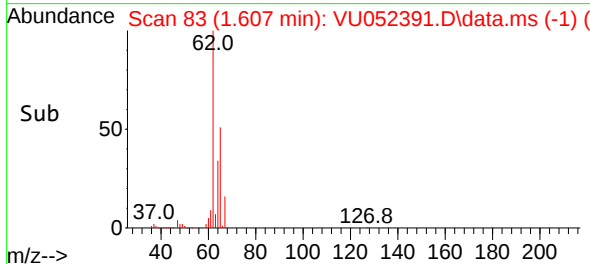
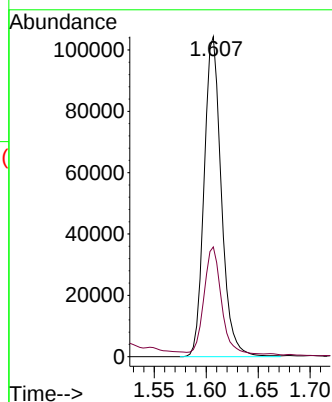
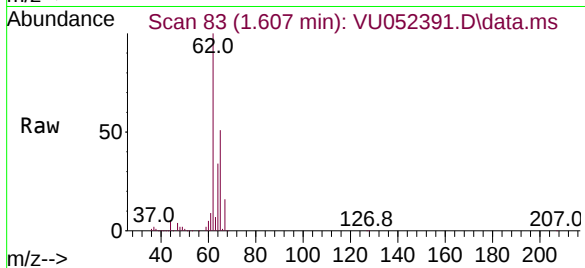
VSTD005106

Tgt Ion: 62 Resp: 120258

Ion Ratio Lower Upper

62 100

64 34.3 23.5 43.7



#6

Bromomethane

Concen: 4.648 ug/L

RT: 1.861 min Scan# 162

Delta R.T. -0.000 min

Lab File: VU052391.D

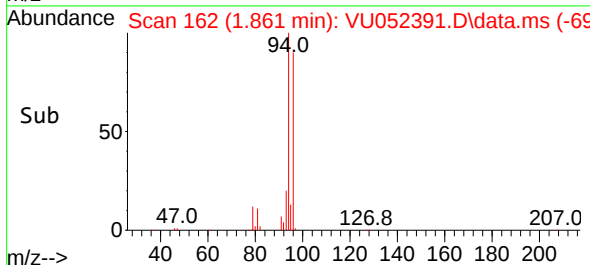
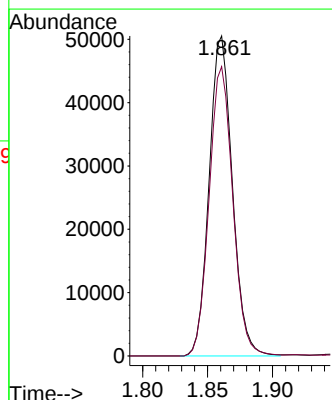
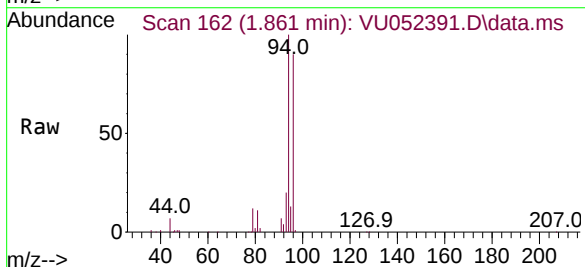
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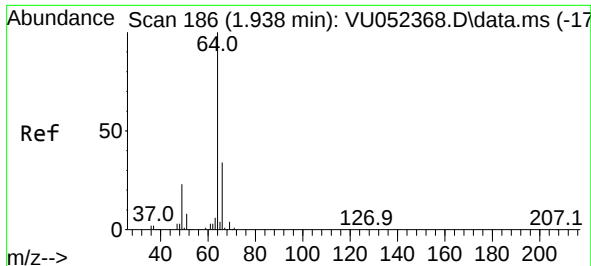
Tgt Ion: 94 Resp: 62847

Ion Ratio Lower Upper

94 100

96 90.4 65.7 122.1

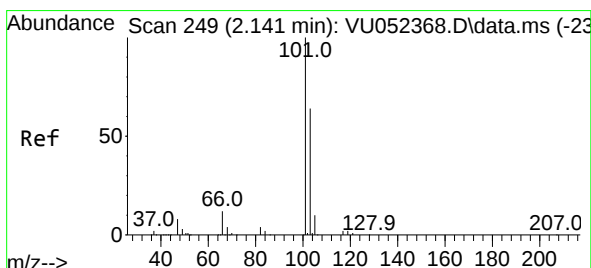
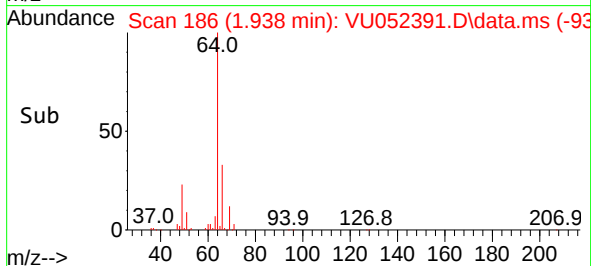
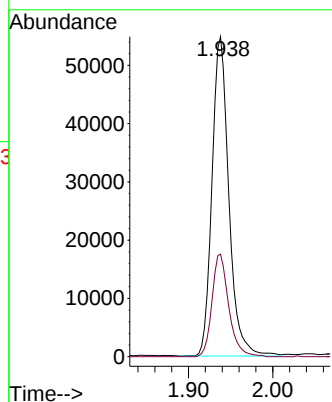
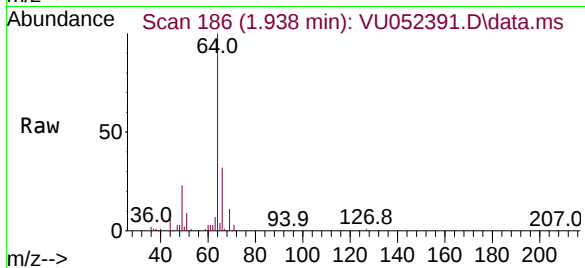




#8
Chloroethane
Concen: 4.645 ug/L
RT: 1.938 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

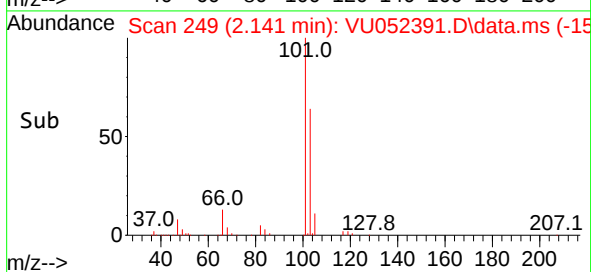
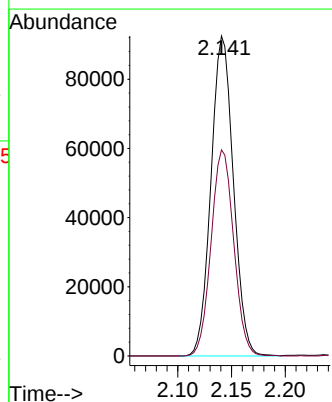
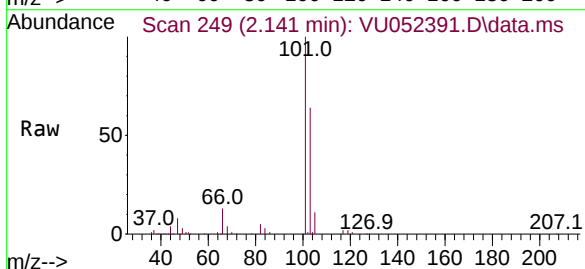
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

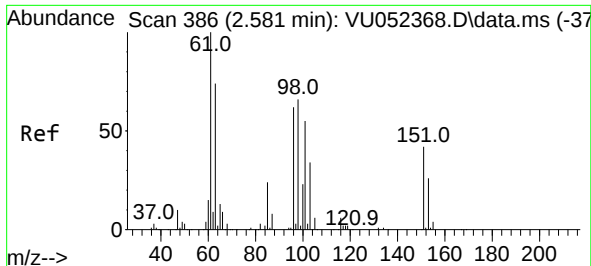
Tgt Ion: 64 Resp: 76109
Ion Ratio Lower Upper
64 100
66 32.0 21.1 39.1



#9
Trichlorofluoromethane
Concen: 4.630 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion:101 Resp: 134206
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4

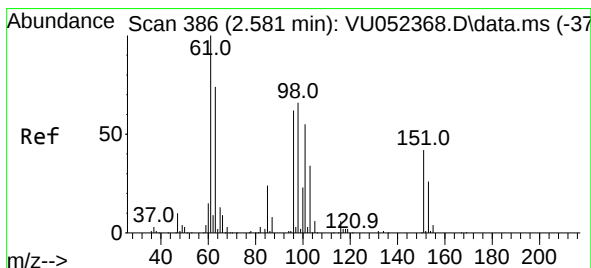
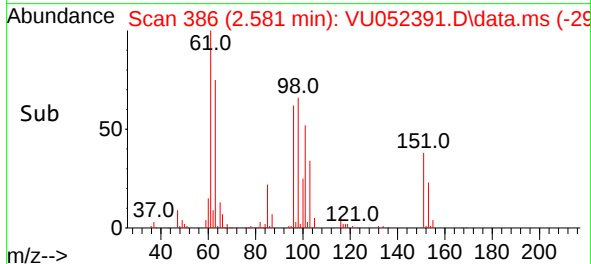
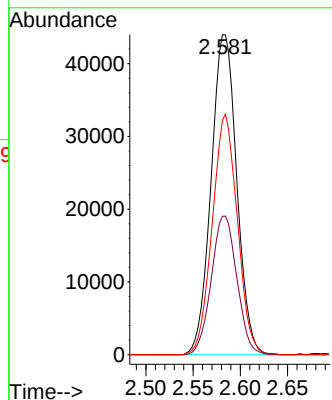
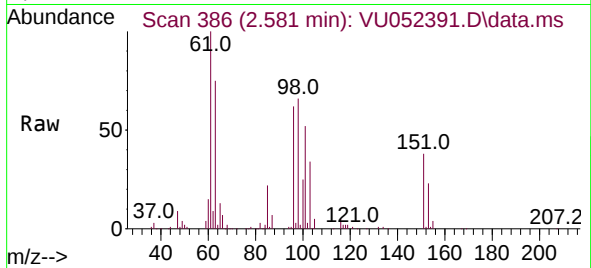




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.684 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052391.D
 Acq: 13 Dec 2022 20:39

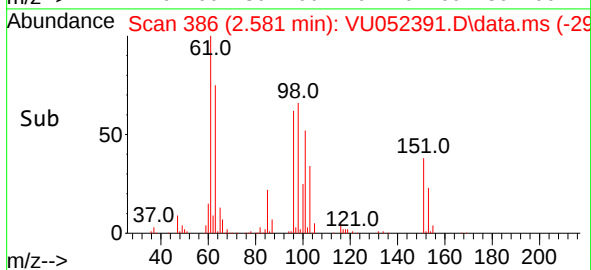
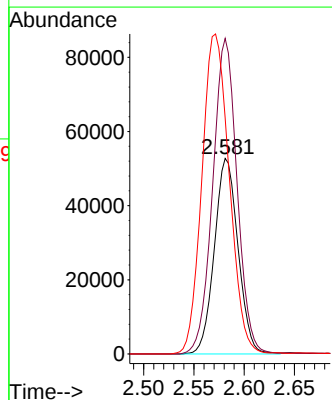
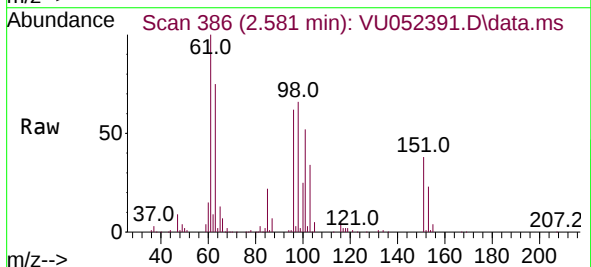
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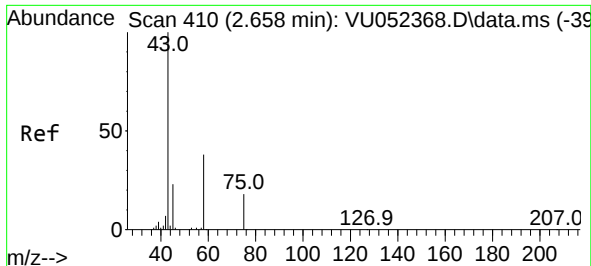
Tgt Ion:101 Resp: 83008
 Ion Ratio Lower Upper
 101 100
 85 43.1 33.8 50.6
 151 73.7 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 4.913 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052391.D
 Acq: 13 Dec 2022 20:39

Tgt Ion: 96 Resp: 86349
 Ion Ratio Lower Upper
 96 100
 61 161.4 114.8 213.2
 63 120.7 93.7 174.1





#13

Acetone

Concen: 58.852 ug/L

RT: 2.661 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

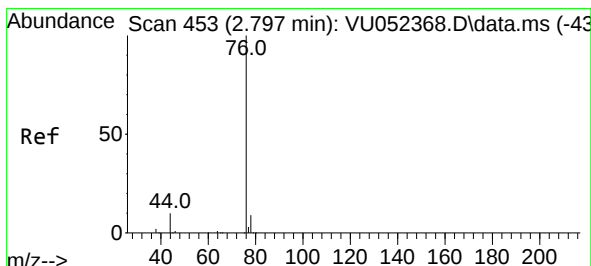
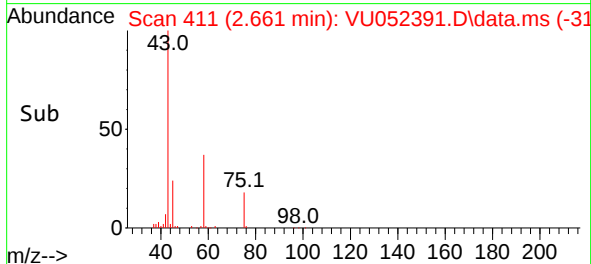
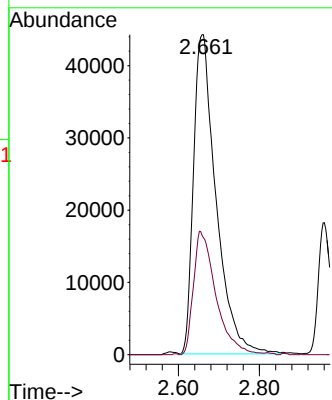
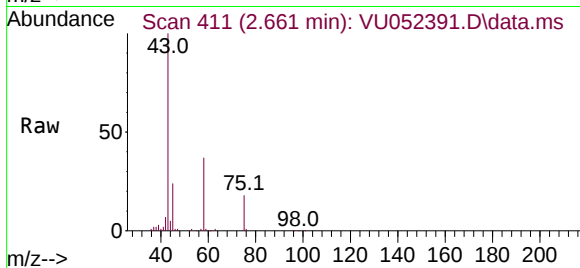
VSTD005106

Tgt Ion: 43 Resp: 170709

Ion Ratio Lower Upper

43 100

58 38.5 0.0 76.0



#14

Carbon disulfide

Concen: 4.555 ug/L

RT: 2.796 min Scan# 453

Delta R.T. -0.000 min

Lab File: VU052391.D

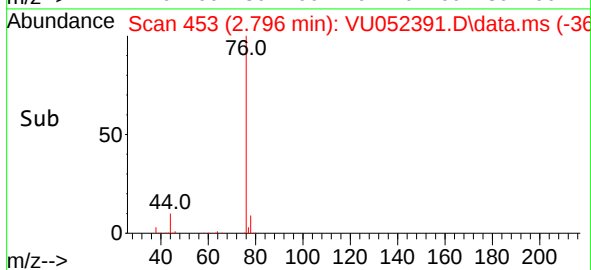
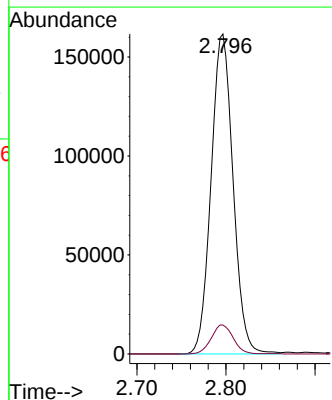
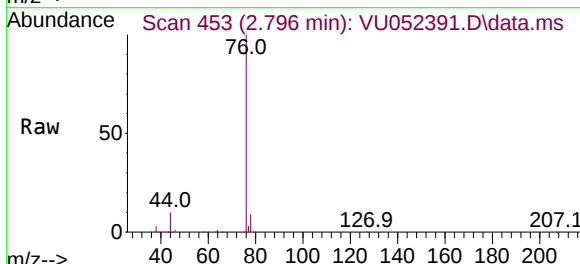
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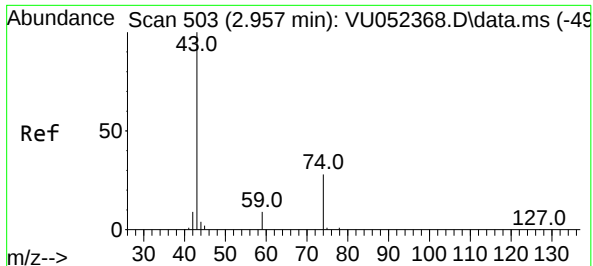
Tgt Ion: 76 Resp: 277112

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

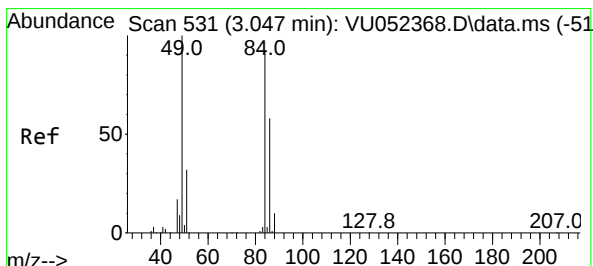
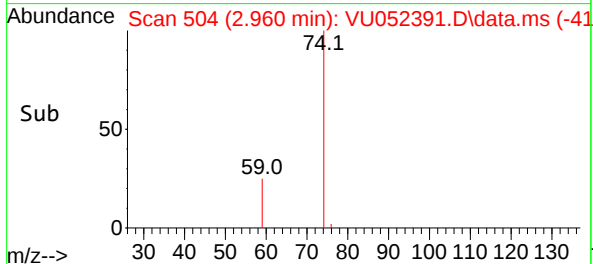
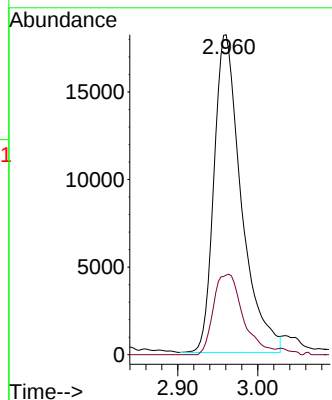
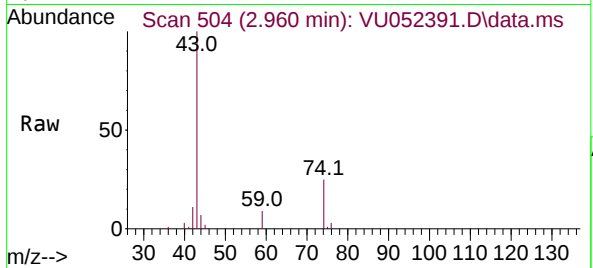




#15
Methyl Acetate
Concen: 5.722 ug/L
RT: 2.960 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

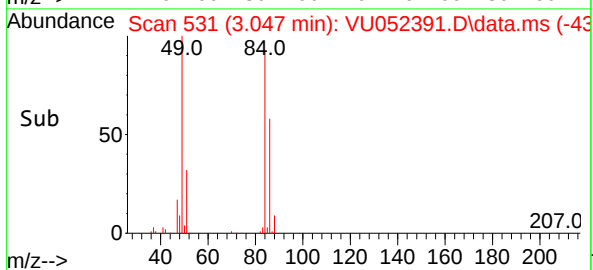
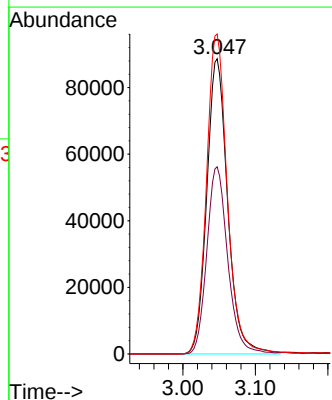
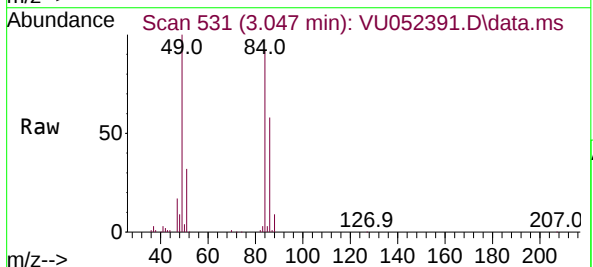
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

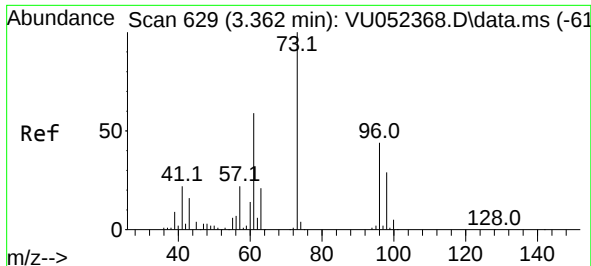
Tgt Ion: 43 Resp: 43051
Ion Ratio Lower Upper
43 100
74 27.5 21.3 31.9



#16
Methylene chloride
Concen: 7.477 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion: 84 Resp: 177778
Ion Ratio Lower Upper
84 100
86 63.4 43.8 81.4
49 108.4 75.9 141.1

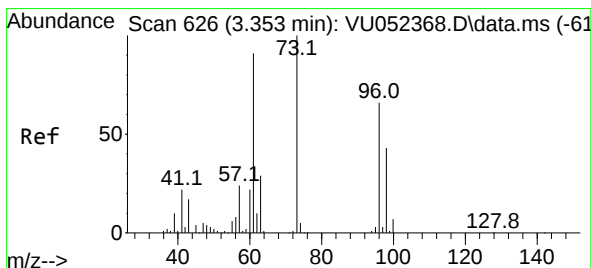
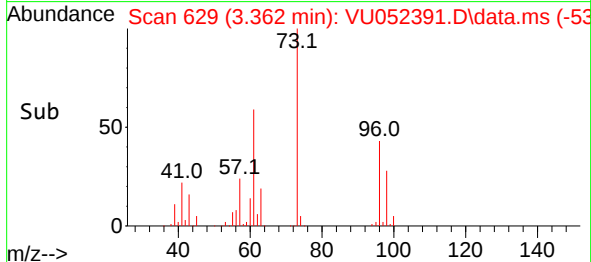
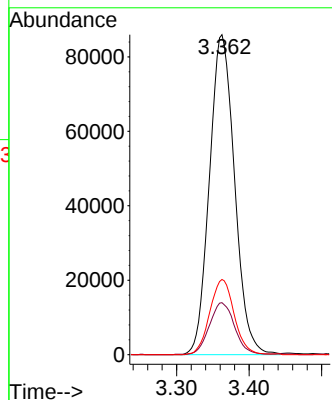
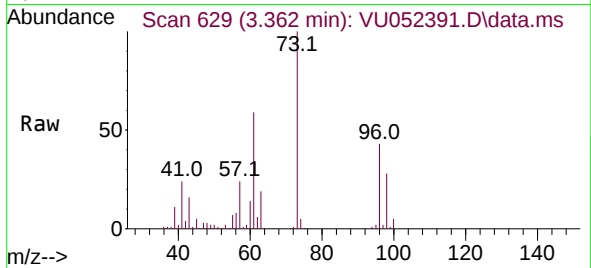




#17
Methyl tert-butyl Ether
Concen: 5.267 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

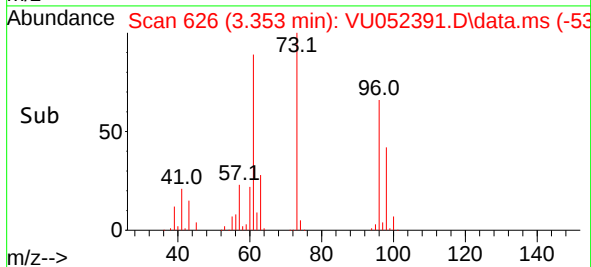
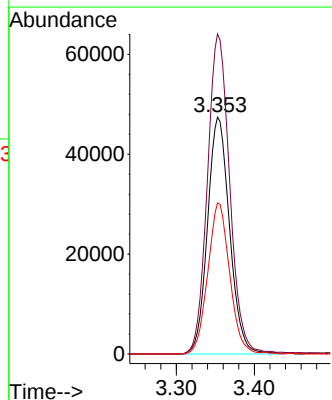
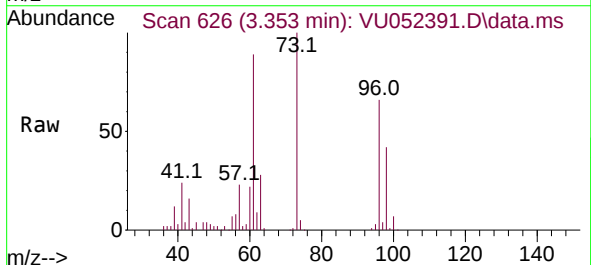
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

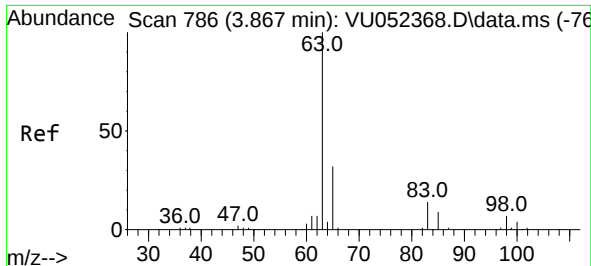
Tgt Ion: 73 Resp: 207236
Ion Ratio Lower Upper
73 100
43 15.9 13.2 19.8
57 22.9 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.955 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion: 96 Resp: 93347
Ion Ratio Lower Upper
96 100
61 135.2 97.9 181.7
98 63.8 43.8 81.3





#19

1,1-Dichloroethane

Concen: 5.291 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005106

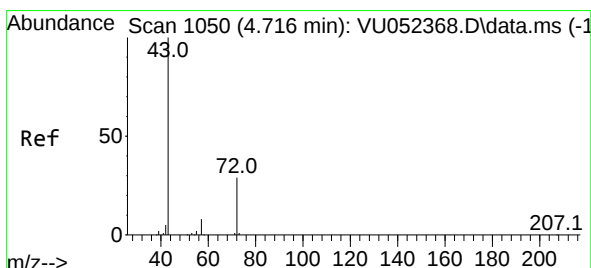
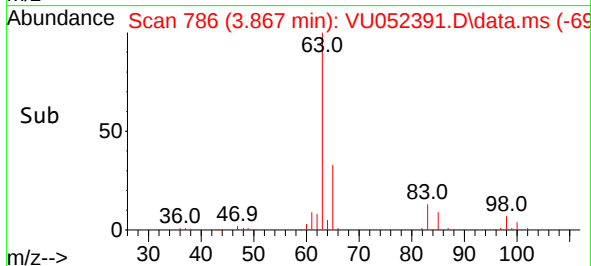
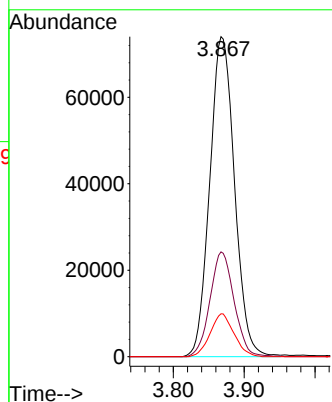
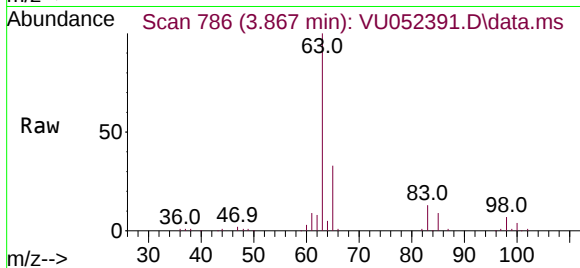
Tgt Ion: 63 Resp: 179655

Ion Ratio Lower Upper

63 100

65 32.8 22.2 41.2

83 13.4 9.2 17.0



#21

2-Butanone

Concen: 61.251 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. -0.000 min

Lab File: VU052391.D

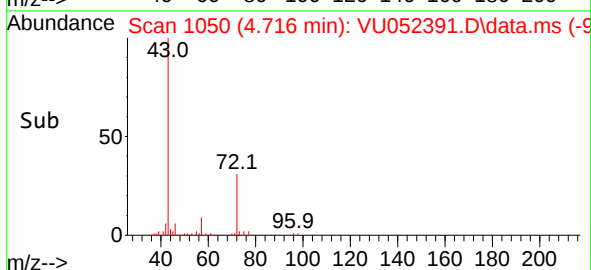
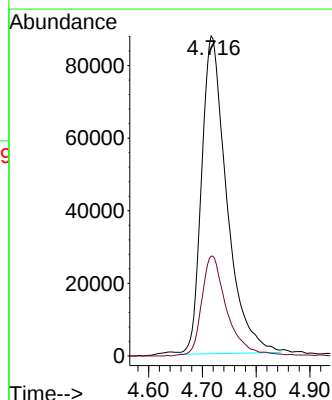
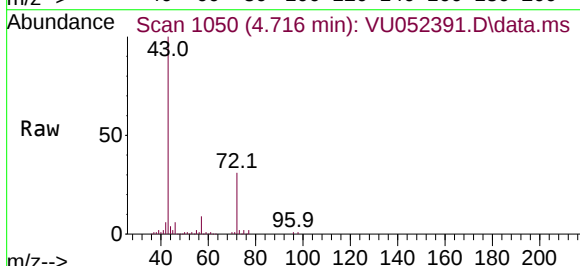
Acq: 13 Dec 2022 20:39

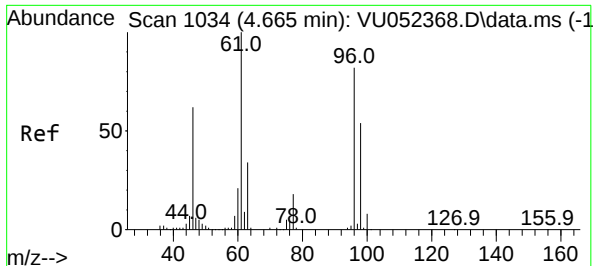
Tgt Ion: 43 Resp: 284759

Ion Ratio Lower Upper

43 100

72 30.9 15.6 46.8

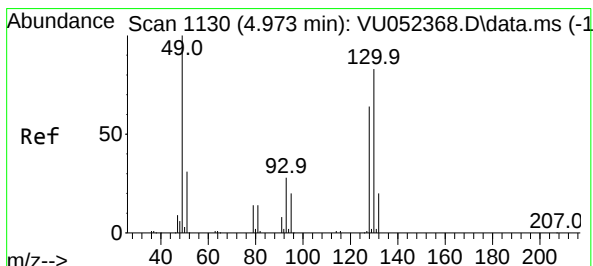
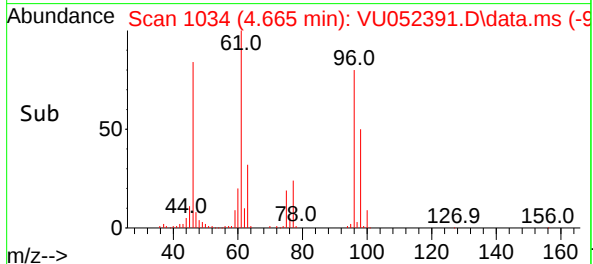
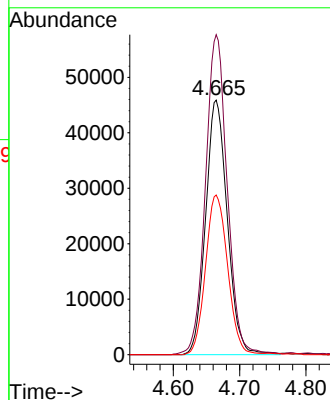
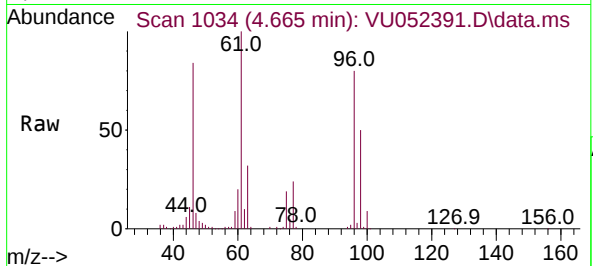




#22
 cis-1,2-Dichloroethene
 Concen: 5.276 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU052391.D
 Acq: 13 Dec 2022 20:39

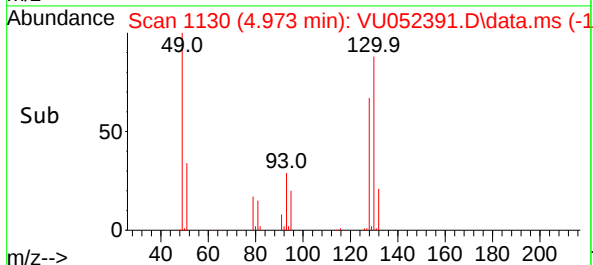
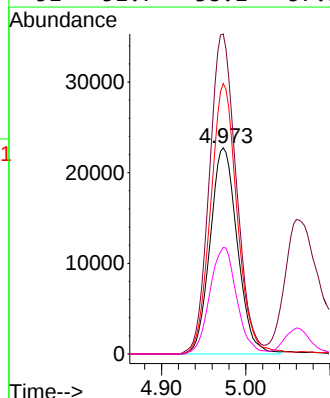
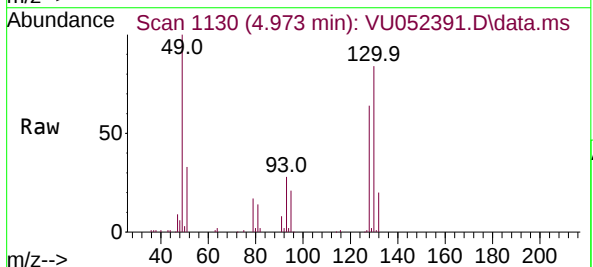
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005106

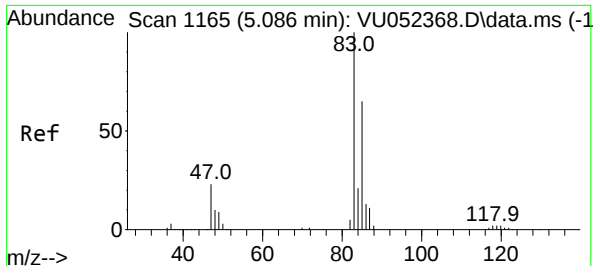
Tgt Ion: 96 Resp: 104314
 Ion Ratio Lower Upper
 96 100
 61 125.7 85.1 158.1
 98 62.7 42.8 79.6



#23
 Bromochloromethane
 Concen: 5.382 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VU052391.D
 Acq: 13 Dec 2022 20:39

Tgt Ion: 128 Resp: 50910
 Ion Ratio Lower Upper
 128 100
 49 155.3 104.0 193.2
 130 131.2 84.6 157.2
 51 51.7 38.1 57.1





#25

Chloroform

Concen: 5.234 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

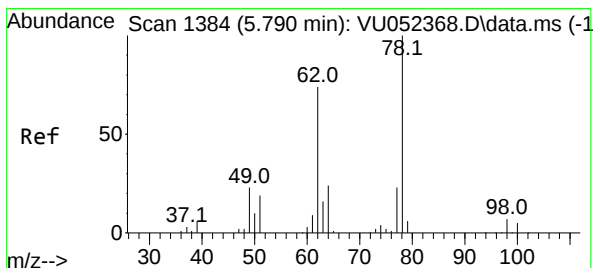
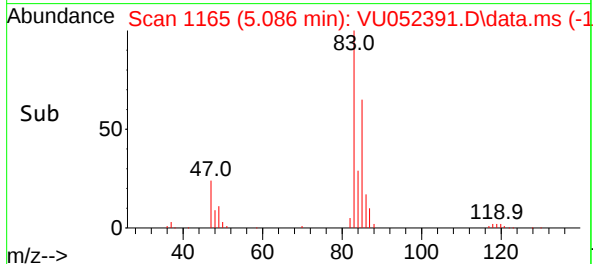
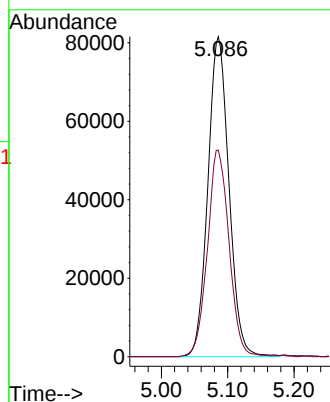
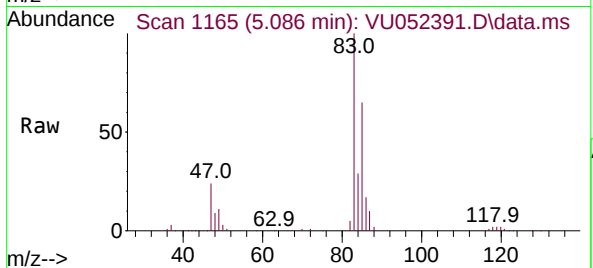
VSTD005106

Tgt Ion: 83 Resp: 180077

Ion Ratio Lower Upper

83 100

85 64.5 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.359 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU052391.D

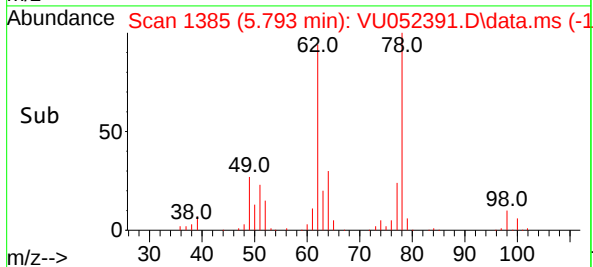
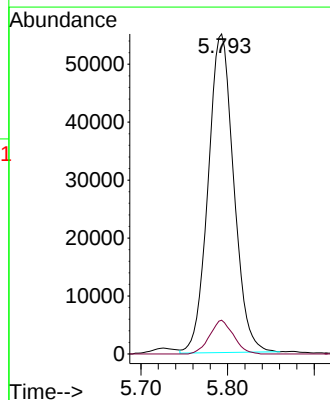
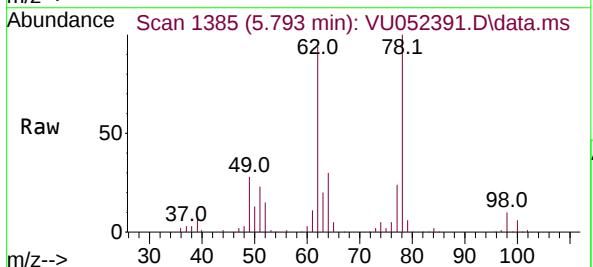
Acq: 13 Dec 2022 20:39

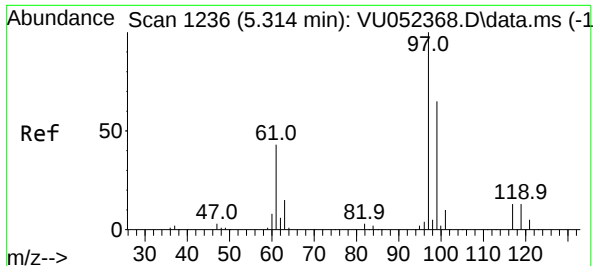
Tgt Ion: 62 Resp: 112932

Ion Ratio Lower Upper

62 100

98 10.6 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.122 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005106

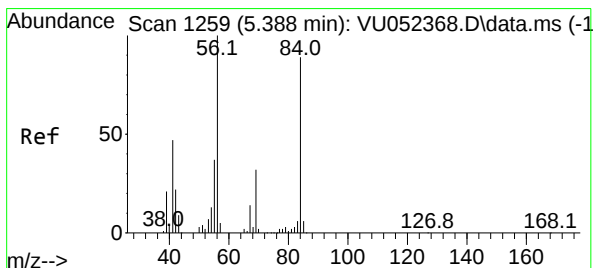
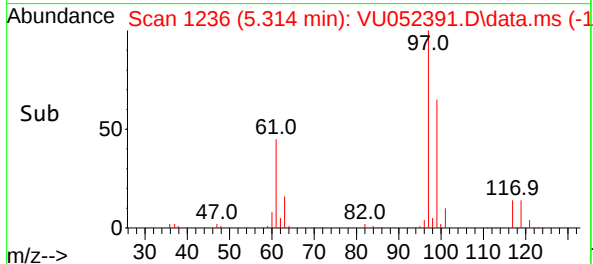
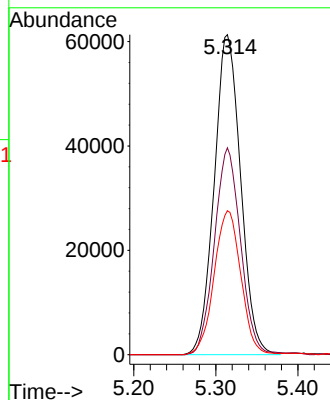
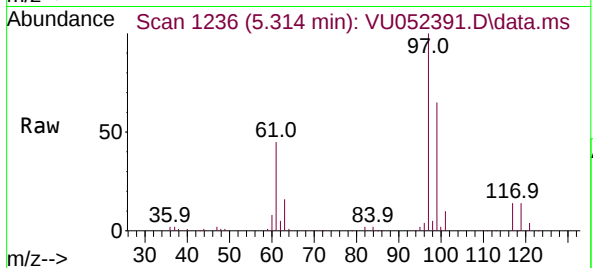
Tgt Ion: 97 Resp: 137701

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

61 45.5 36.9 55.3



#30

Cyclohexane

Concen: 4.752 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

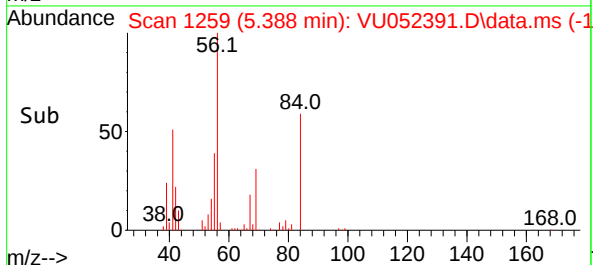
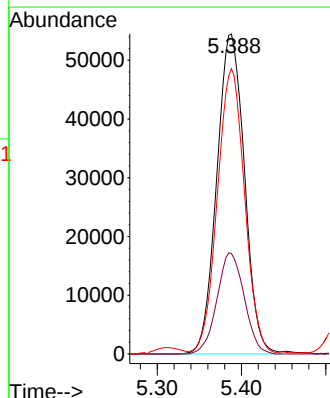
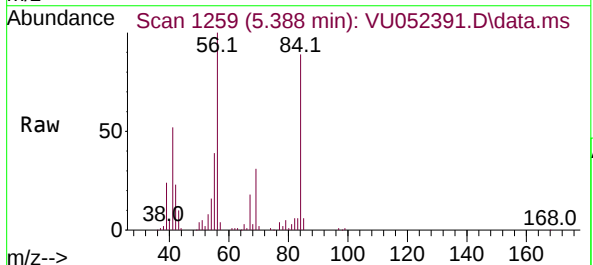
Tgt Ion: 56 Resp: 124059

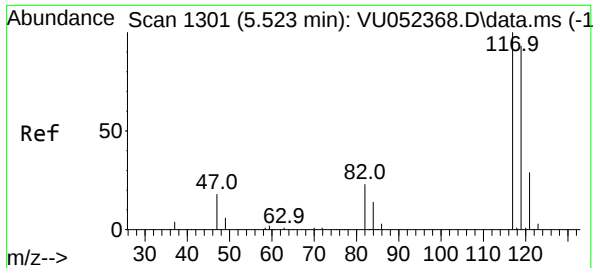
Ion Ratio Lower Upper

56 100

69 31.1 25.6 38.4

84 87.0 72.0 108.0

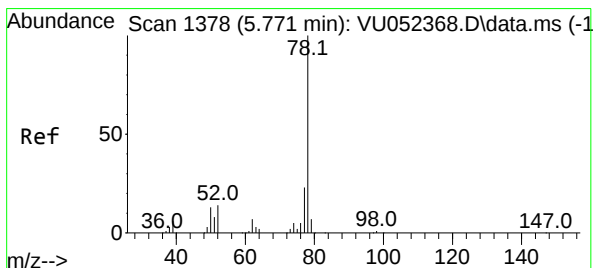
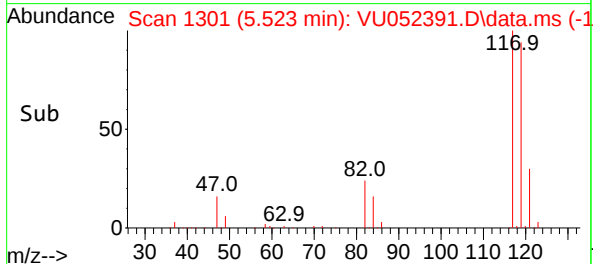
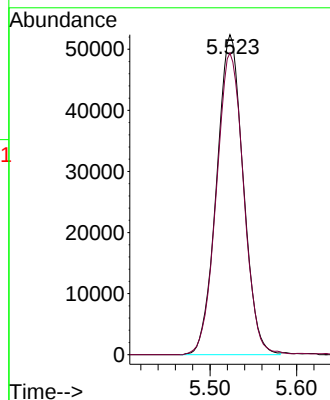
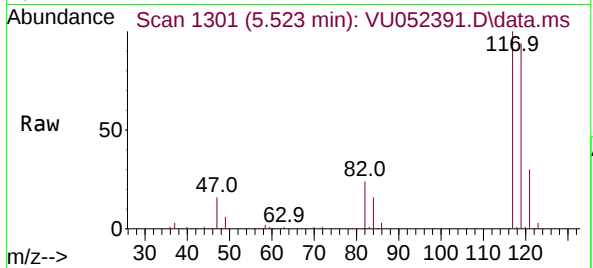




#31
Carbon tetrachloride
Concen: 4.893 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

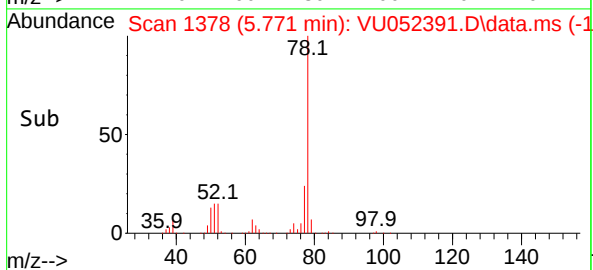
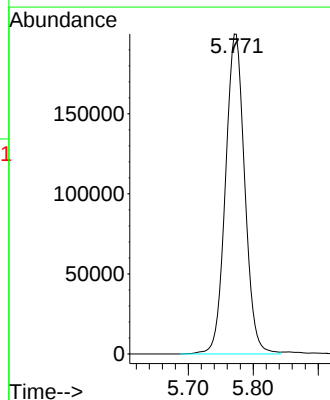
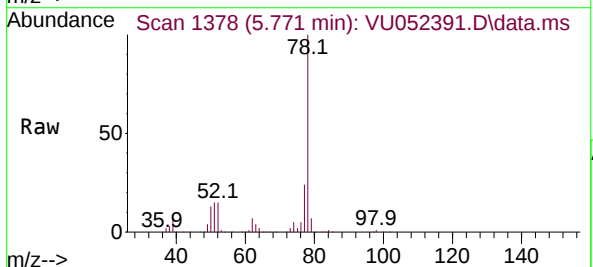
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

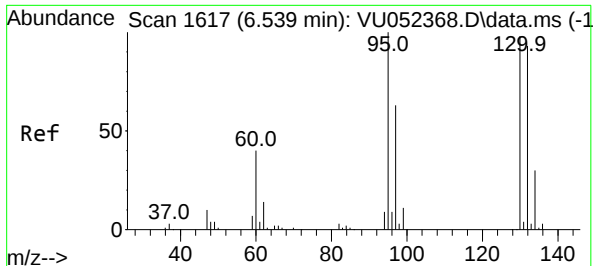
Tgt Ion:117 Resp: 111770
Ion Ratio Lower Upper
117 100
119 96.6 77.2 115.8



#33
Benzene
Concen: 5.209 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion: 78 Resp: 410830

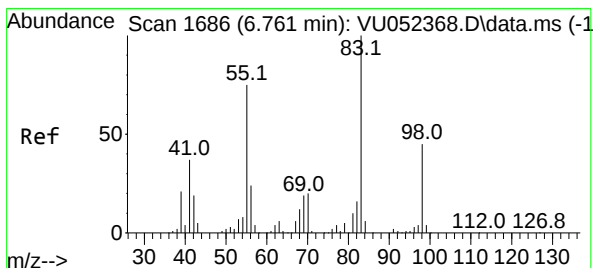
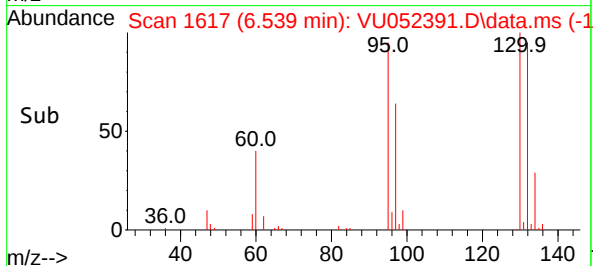
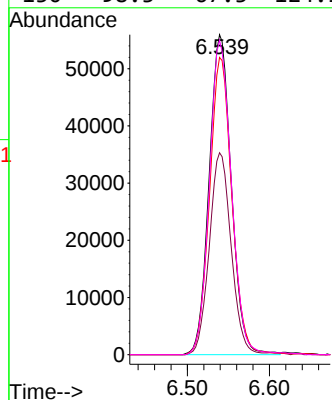
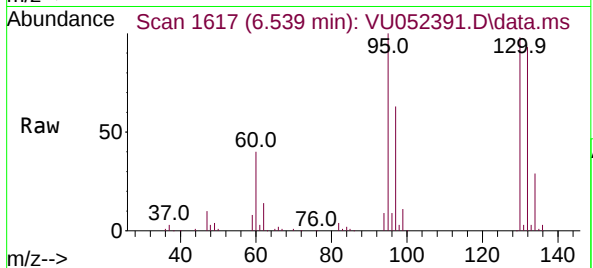




#34
Trichloroethene
Concen: 5.350 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

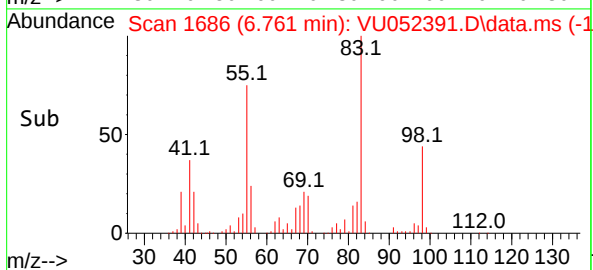
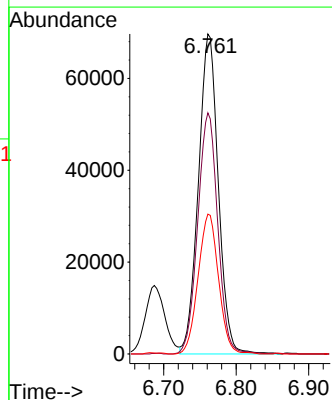
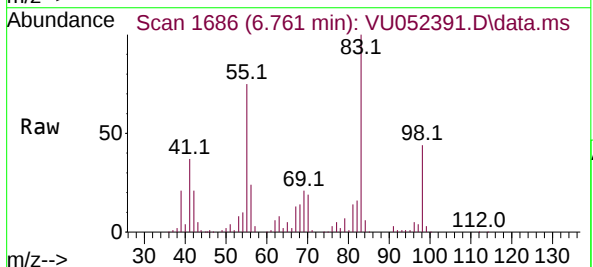
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

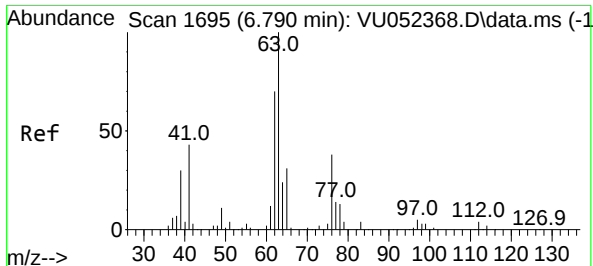
Tgt Ion: 95 Resp: 105245
Ion Ratio Lower Upper
95 100
97 63.1 43.7 81.1
132 92.9 64.3 119.3
130 98.3 67.3 124.9



#35
Methylcyclohexane
Concen: 4.702 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion: 83 Resp: 133039
Ion Ratio Lower Upper
83 100
55 75.8 60.8 91.2
98 44.7 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.367 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

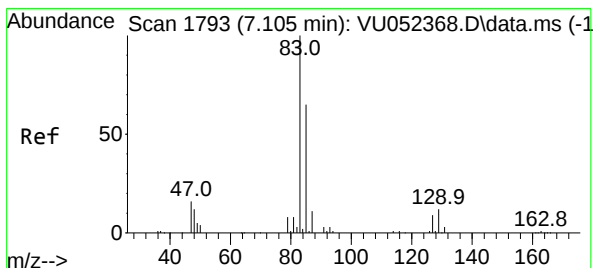
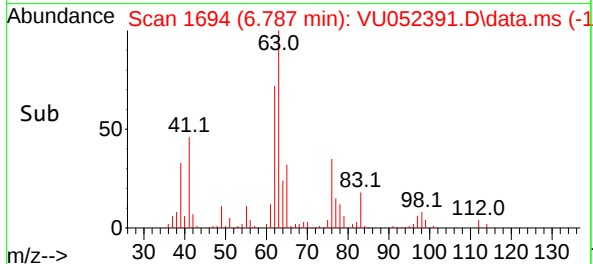
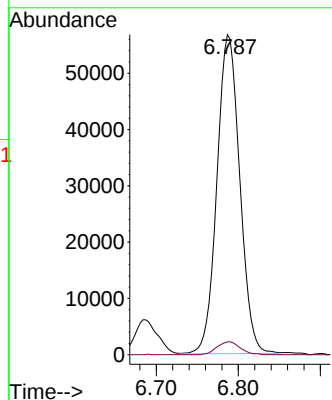
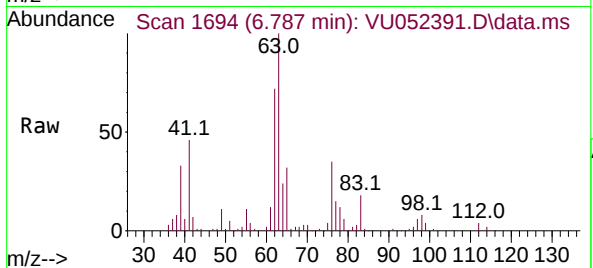
VSTD005106

Tgt Ion: 63 Resp: 109584

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 5.236 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

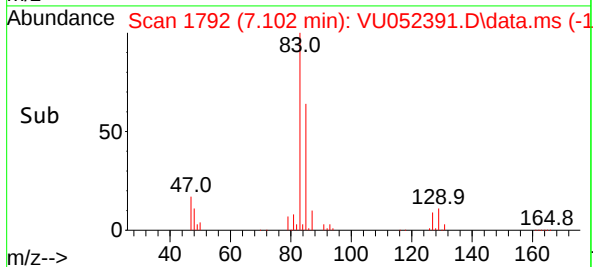
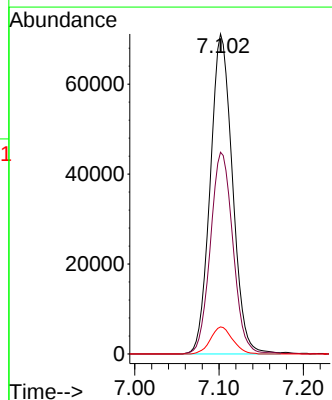
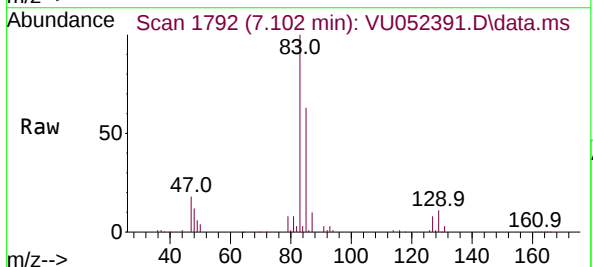
Tgt Ion: 83 Resp: 130348

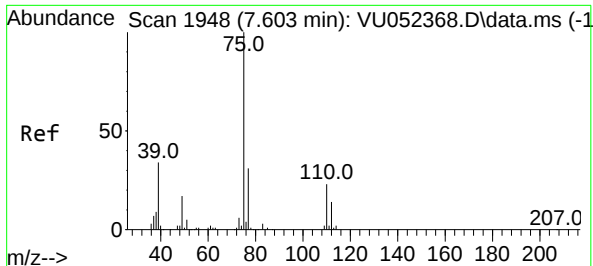
Ion Ratio Lower Upper

83 100

85 63.0 43.5 80.9

127 8.4 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.045 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

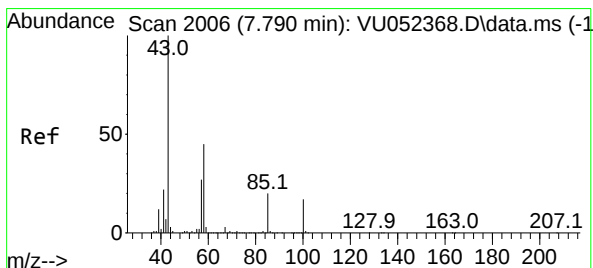
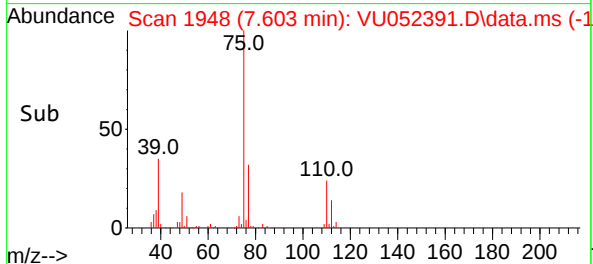
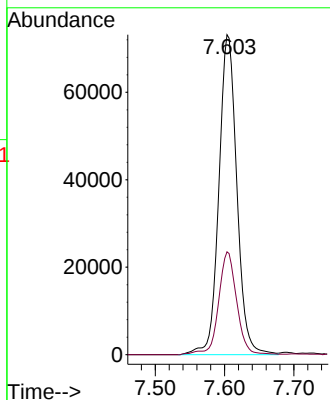
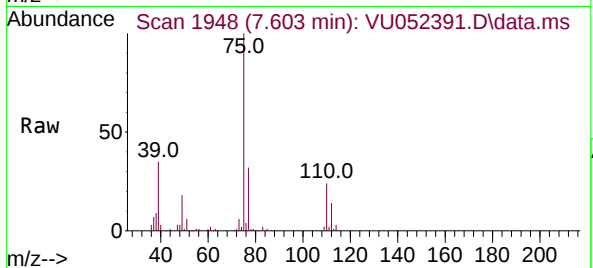
VSTD005106

Tgt Ion: 75 Resp: 132254

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 60.697 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

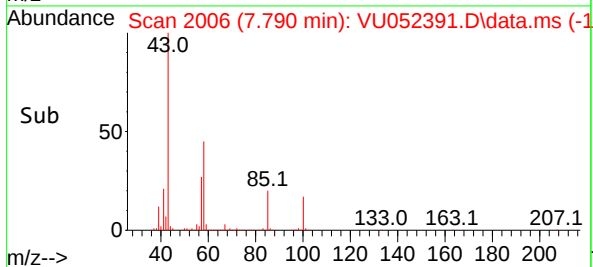
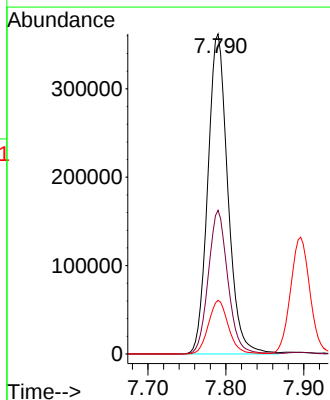
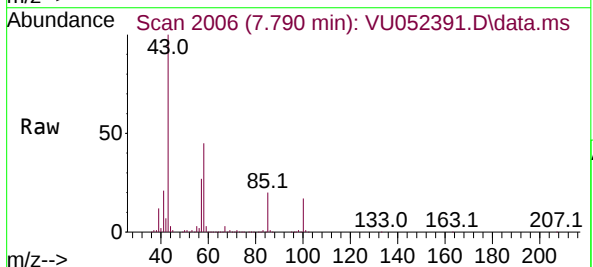
Tgt Ion: 43 Resp: 647411

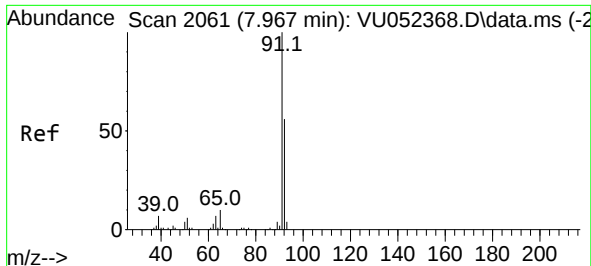
Ion Ratio Lower Upper

43 100

58 44.0 35.3 52.9

100 16.7 13.6 20.4





#42

Toluene

Concen: 5.387 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

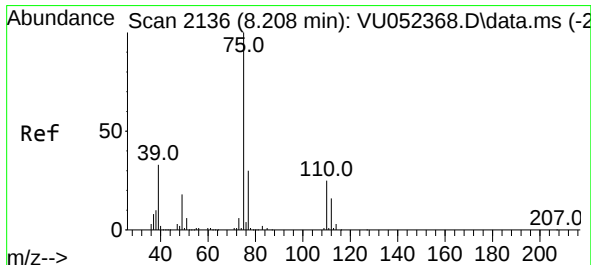
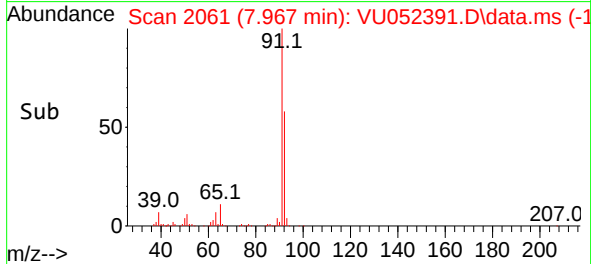
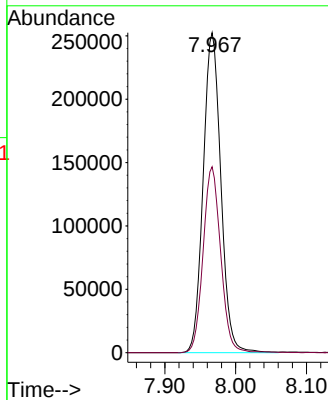
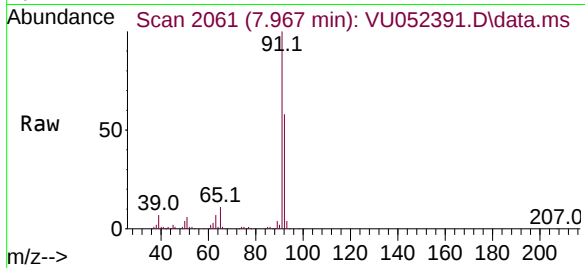
VSTD005106

Tgt Ion: 91 Resp: 437016

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.208 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052391.D

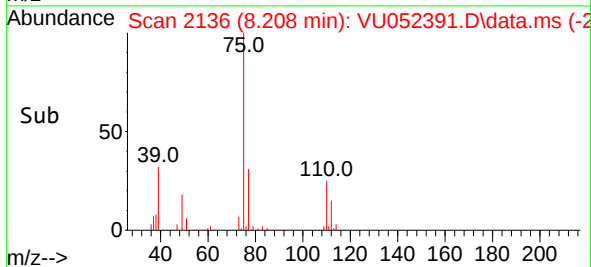
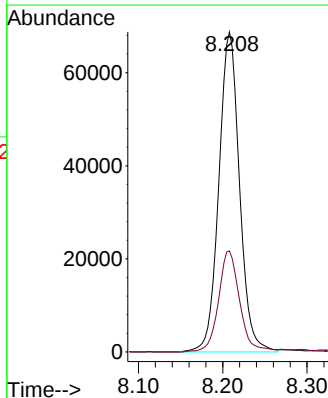
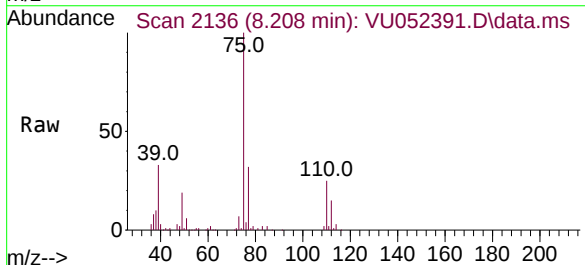
Acq: 13 Dec 2022 20:39

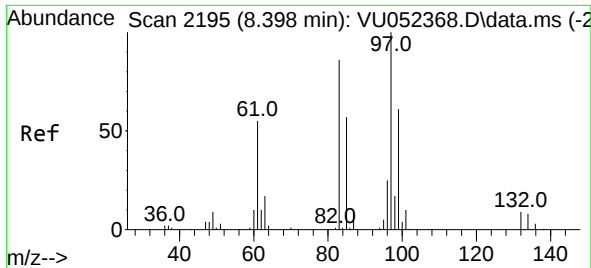
Tgt Ion: 75 Resp: 116929

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0



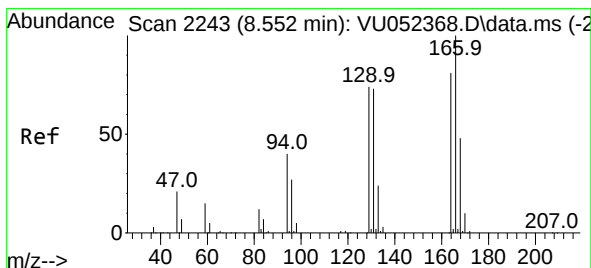
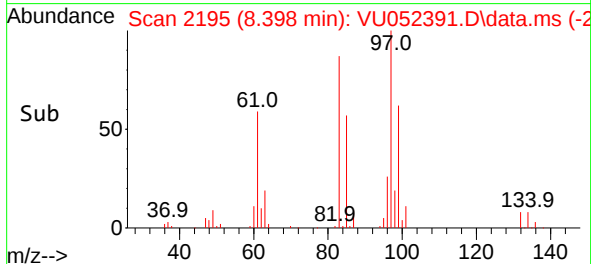
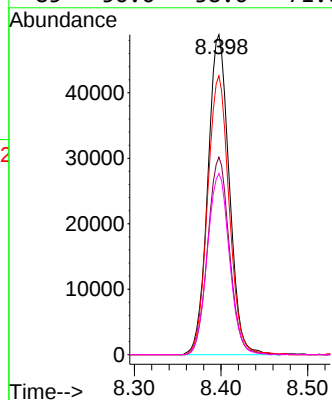
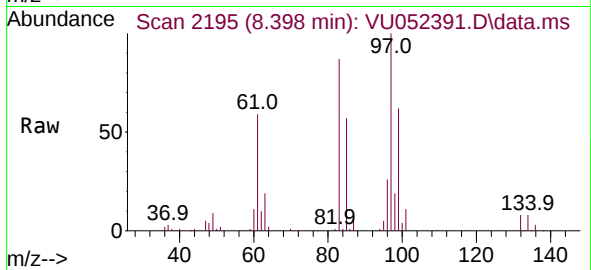


#45
1,1,2-Trichloroethane
Concen: 5.462 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

Tgt Ion: 97 Resp: 83821

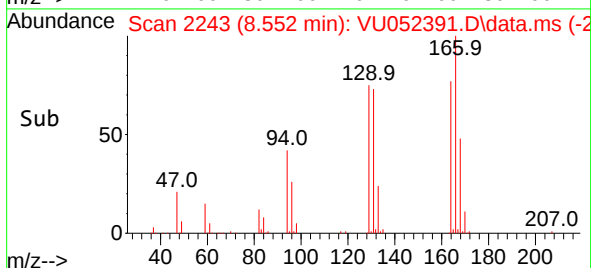
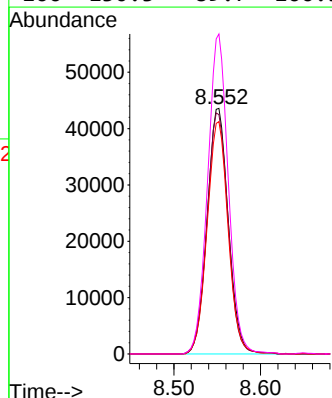
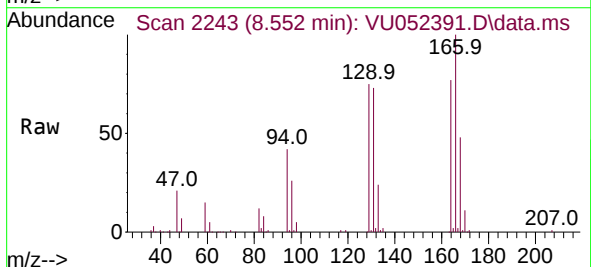
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.6	79.2
83	87.2	60.7	112.7
85	56.6	38.6	71.6

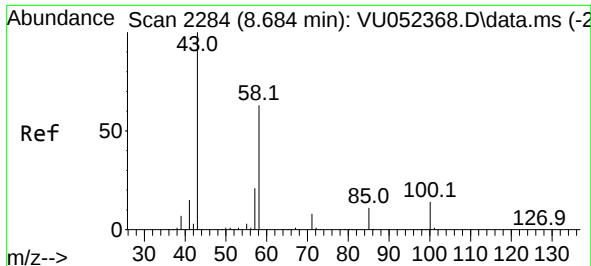


#47
Tetrachloroethene
Concen: 4.920 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion: 164 Resp: 74175

Ion	Ratio	Lower	Upper
164	100		
129	97.5	67.4	125.2
131	94.6	67.1	124.7
166	130.3	89.7	166.5

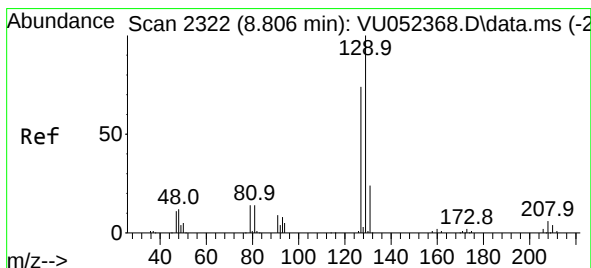
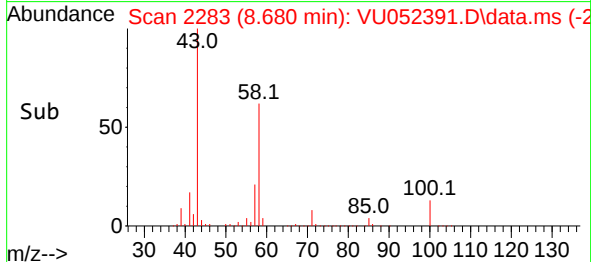
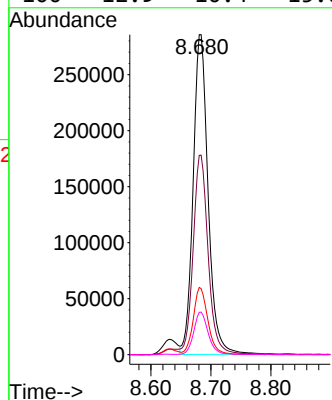
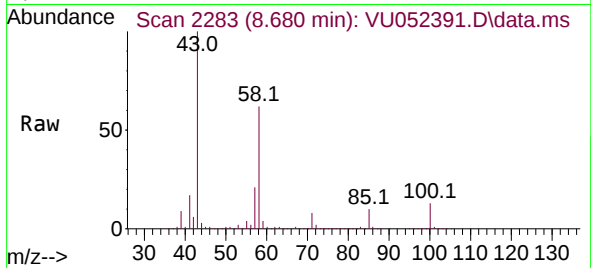




#48
2-Hexanone
Concen: 63.360 ug/L
RT: 8.680 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

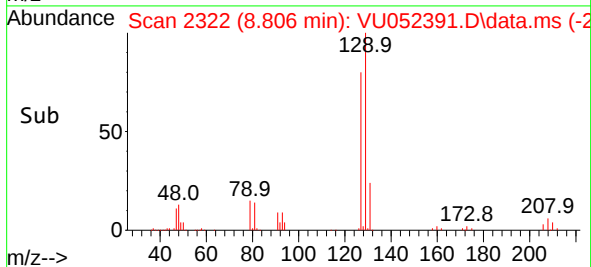
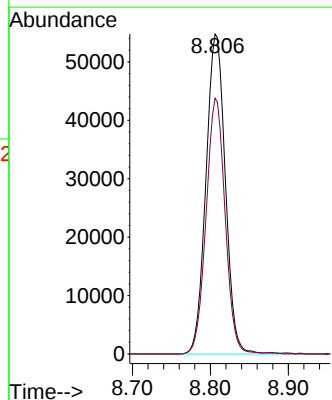
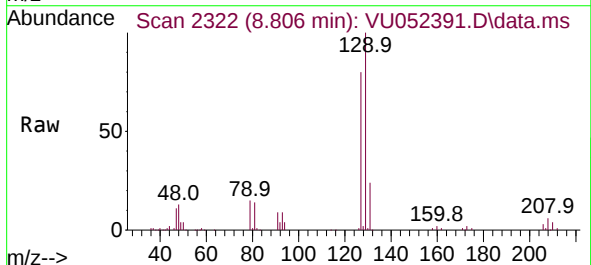
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

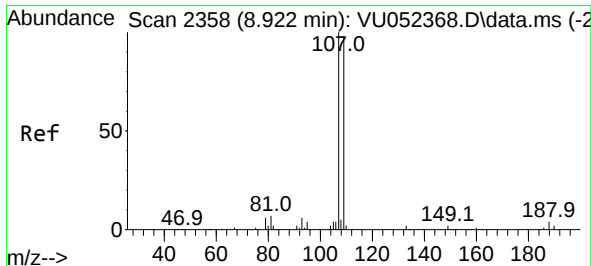
Tgt Ion:	43	Resp:	495452
Ion	Ratio	Lower	Upper
43	100		
58	62.4	49.4	74.0
57	20.5	16.3	24.5
100	12.9	10.4	15.6



#49
Dibromochloromethane
Concen: 5.503 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion:	129	Resp:	94580
Ion	Ratio	Lower	Upper
129	100		
127	80.0	52.8	98.2

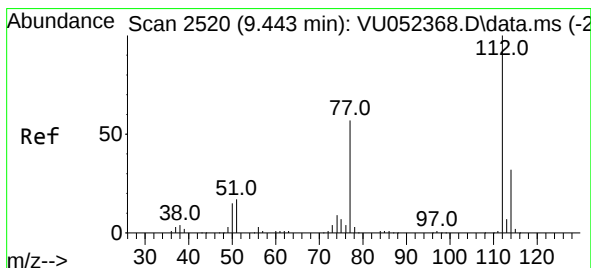
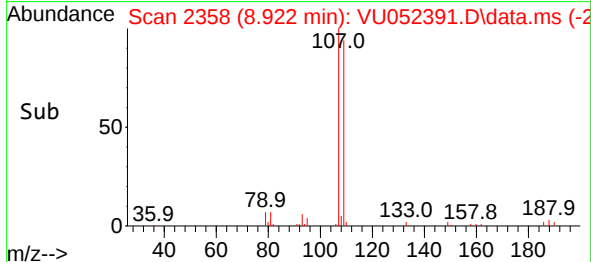
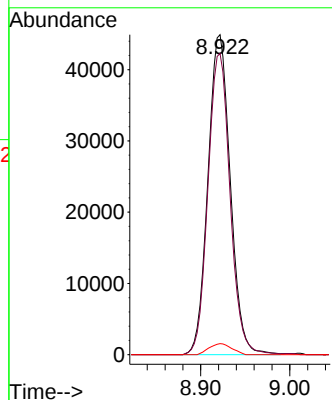
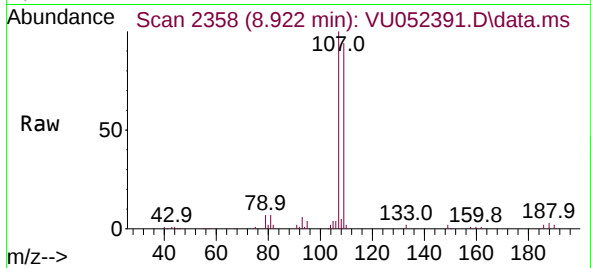




#50
1,2-Dibromoethane
Concen: 5.601 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

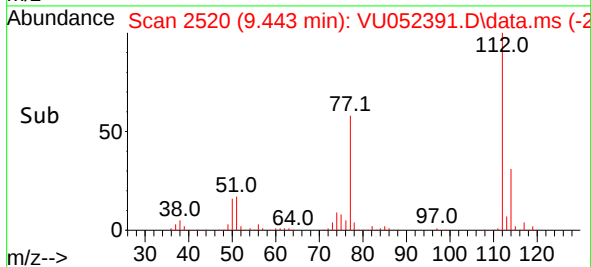
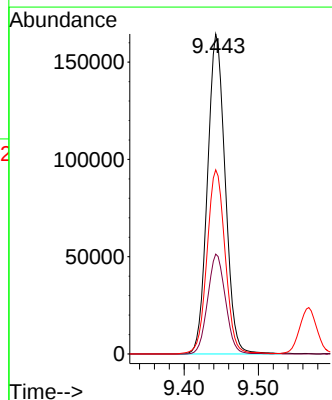
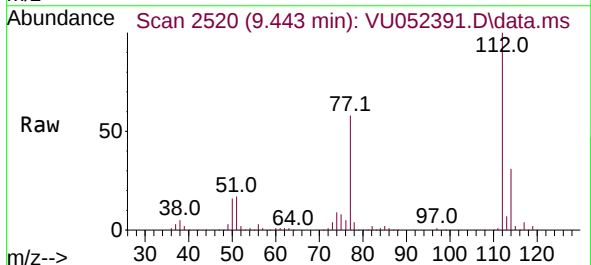
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

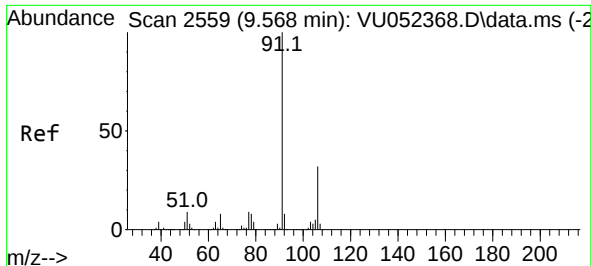
Tgt Ion:107 Resp: 78280
Ion Ratio Lower Upper
107 100
109 94.1 64.9 120.5
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 5.271 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion:112 Resp: 272639
Ion Ratio Lower Upper
112 100
114 31.2 22.2 41.2
77 57.5 46.6 70.0

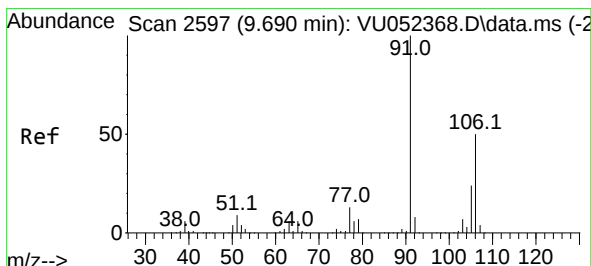
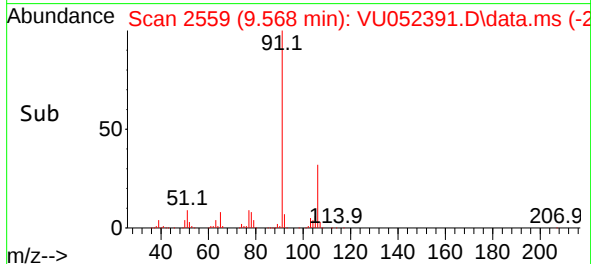
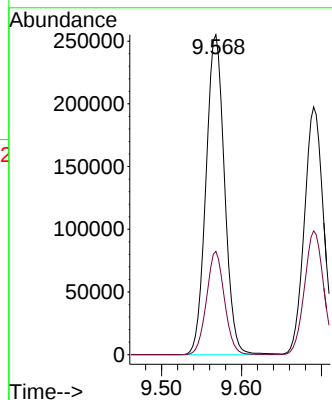
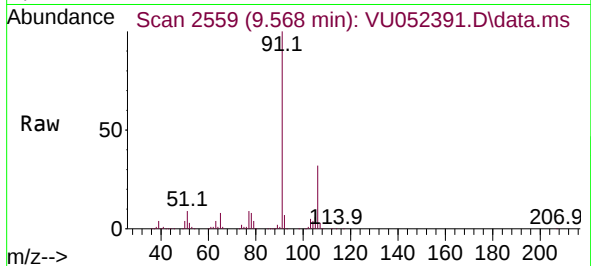




#52
Ethylbenzene
Concen: 5.222 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

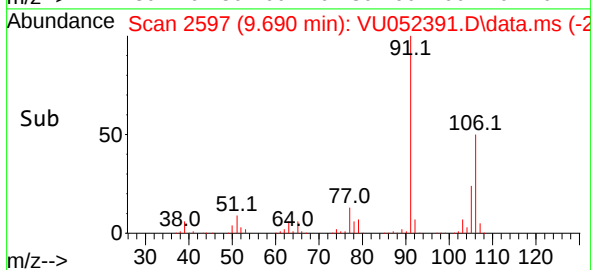
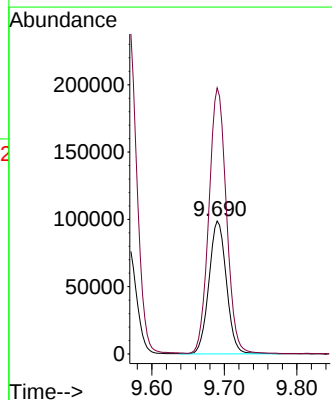
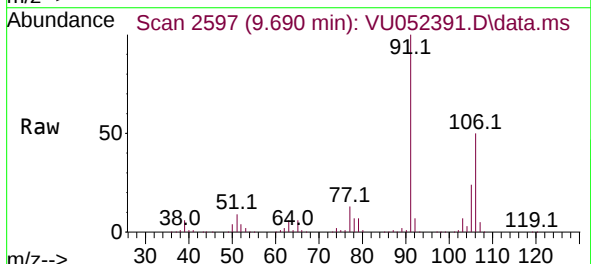
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

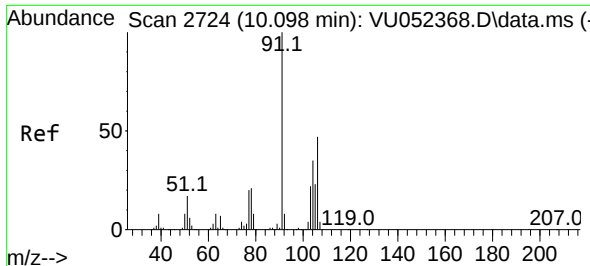
Tgt Ion: 91 Resp: 411831
Ion Ratio Lower Upper
91 100
106 32.3 22.3 41.3



#53
m,p-Xylene
Concen: 5.407 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion: 106 Resp: 165122
Ion Ratio Lower Upper
106 100
91 200.1 137.7 255.7

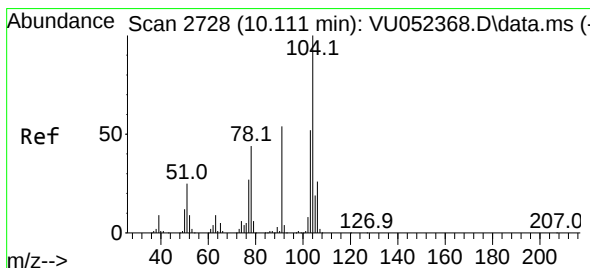
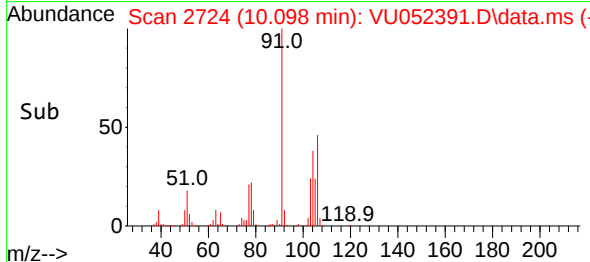
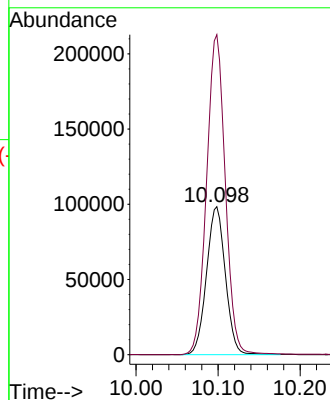
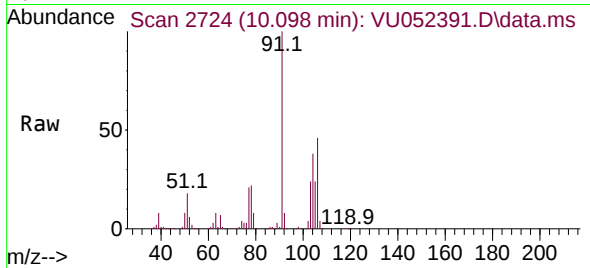




#54
o-Xylene
Concen: 5.372 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

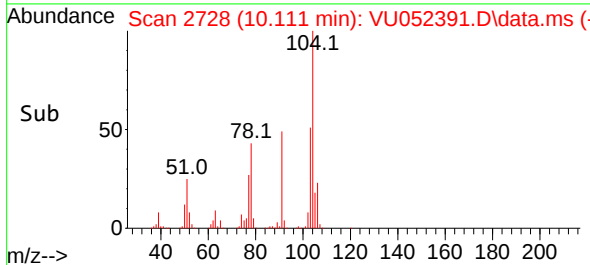
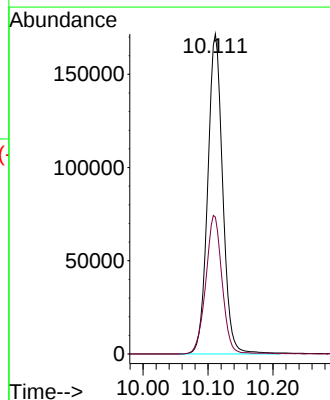
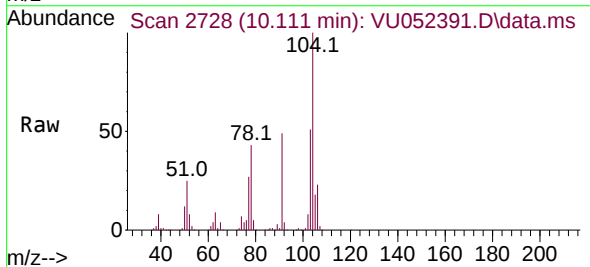
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

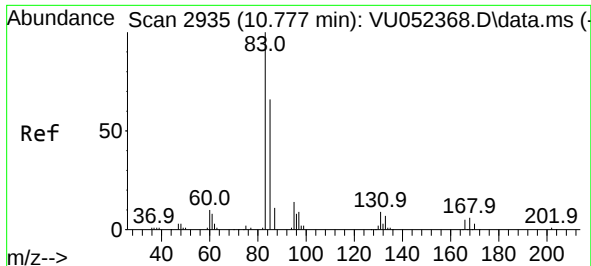
Tgt Ion:106 Resp: 157246
Ion Ratio Lower Upper
106 100
91 216.2 151.5 281.5



#55
Styrene
Concen: 5.581 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion:104 Resp: 275930
Ion Ratio Lower Upper
104 100
78 42.7 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 5.840 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005106

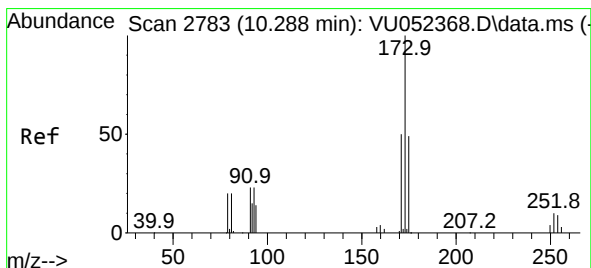
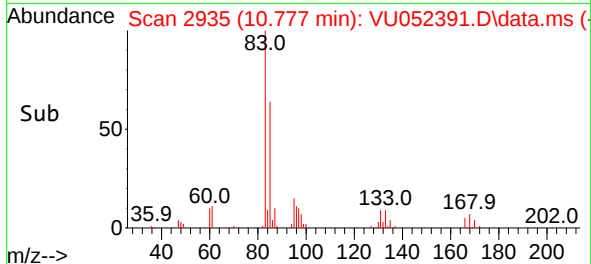
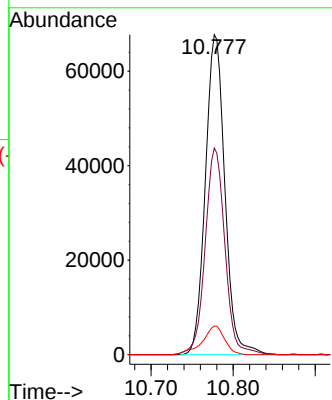
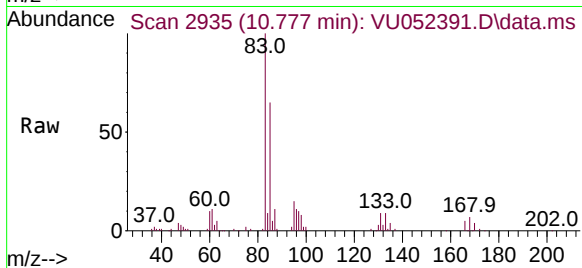
Tgt Ion: 83 Resp: 111920

Ion Ratio Lower Upper

83 100

85 64.6 45.7 84.9

131 8.9 7.6 11.4



#59

Bromoform

Concen: 5.171 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052391.D

Acq: 13 Dec 2022 20:39

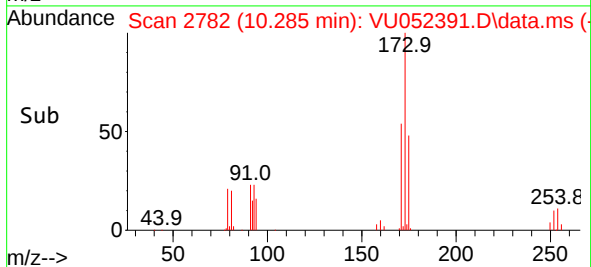
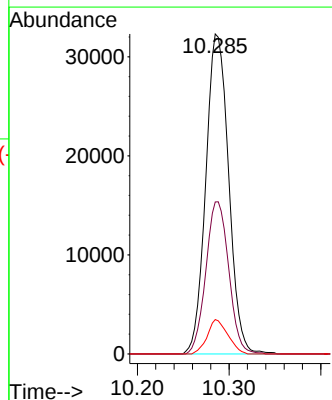
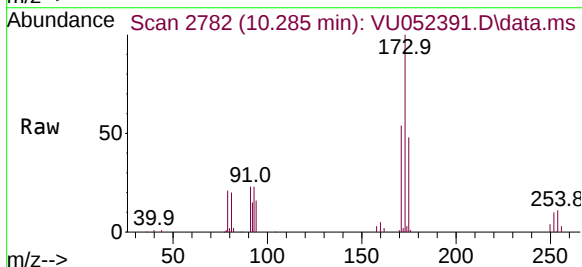
Tgt Ion: 173 Resp: 55900

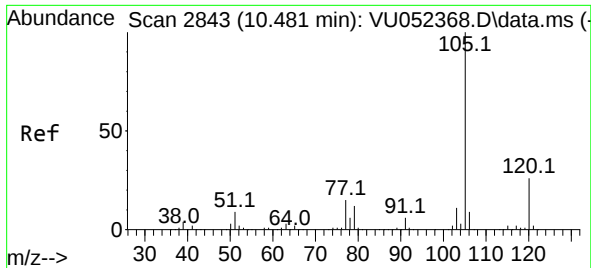
Ion Ratio Lower Upper

173 100

175 47.6 37.2 55.8

254 9.7 7.0 10.6

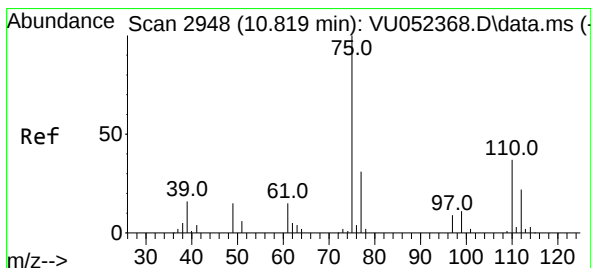
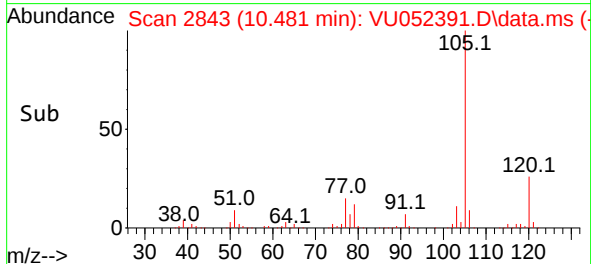
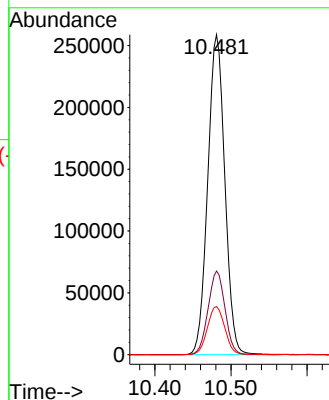
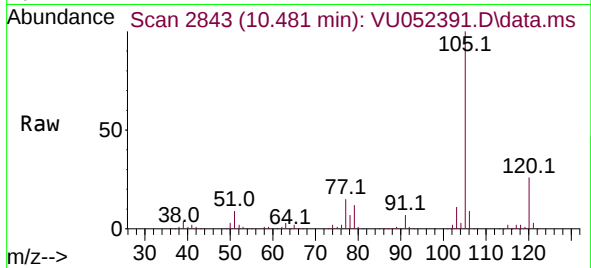




#60
Isopropylbenzene
Concen: 4.895 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

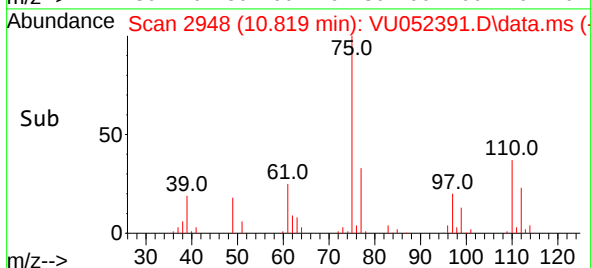
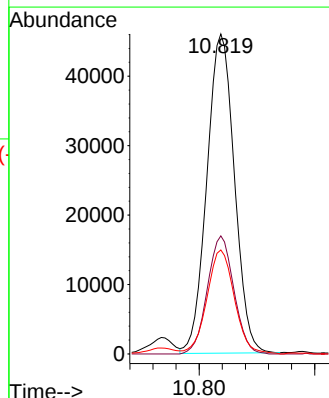
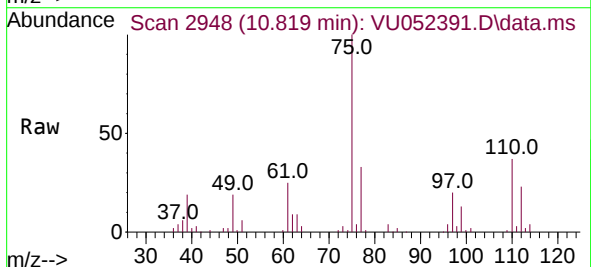
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

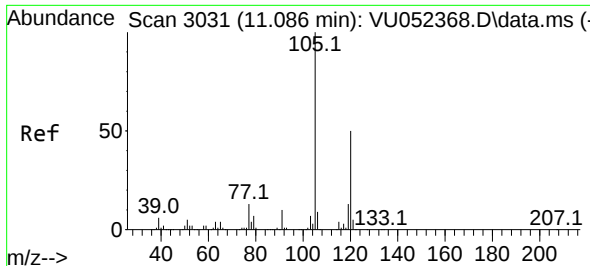
Tgt Ion:105 Resp: 403608
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 15.3 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.061 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion: 75 Resp: 76031
Ion Ratio Lower Upper
75 100
110 35.5 28.3 42.5
77 32.6 26.2 39.2

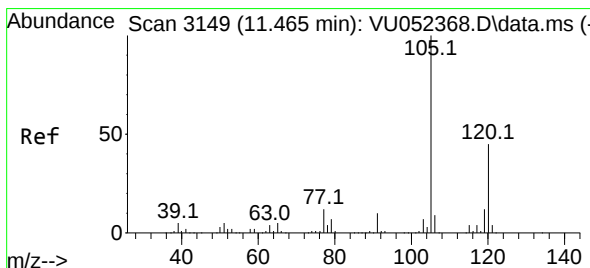
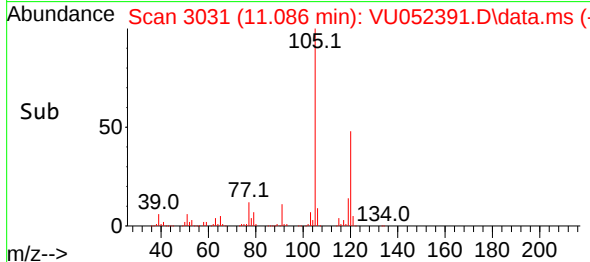
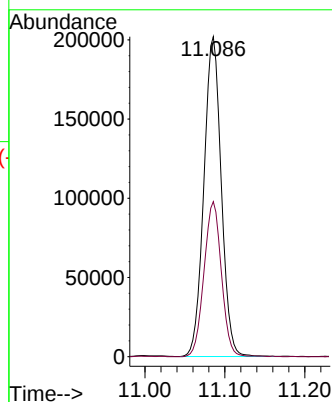
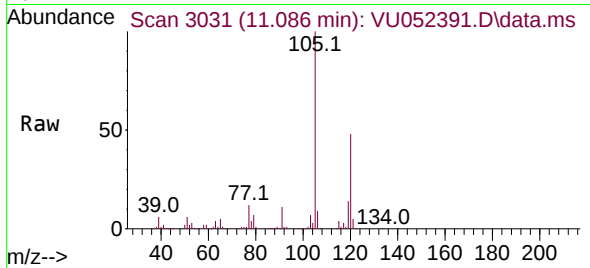




#62
1,3,5-Trimethylbenzene
Concen: 4.641 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

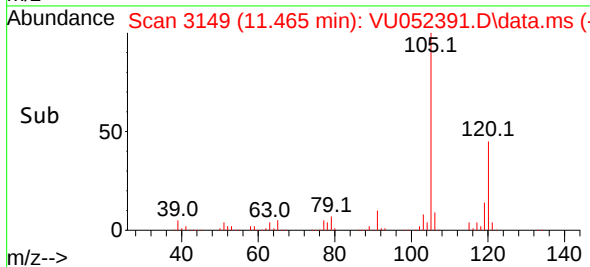
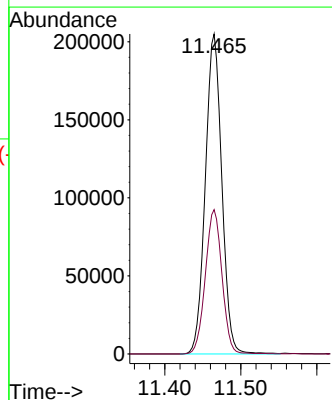
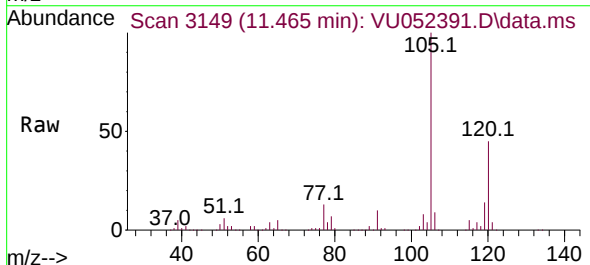
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

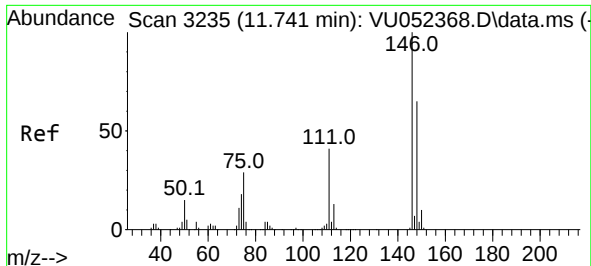
Tgt Ion:105 Resp: 305865
Ion Ratio Lower Upper
105 100
120 48.4 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 4.727 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion:105 Resp: 309222
Ion Ratio Lower Upper
105 100
120 45.4 36.6 55.0

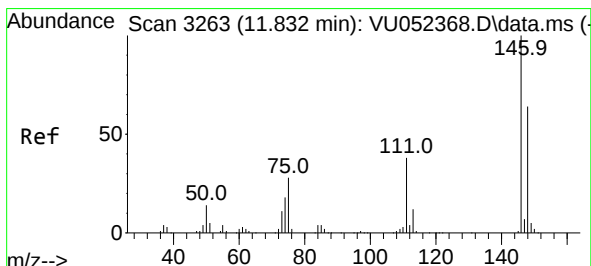
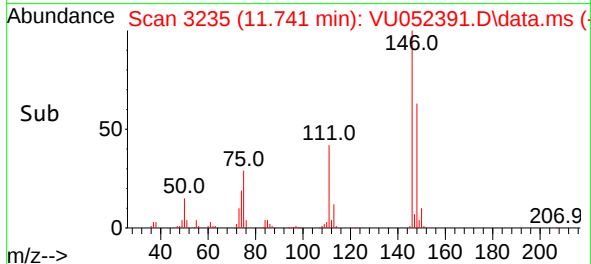
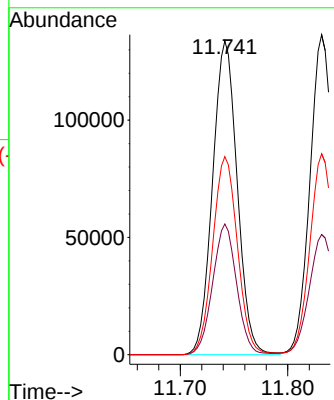
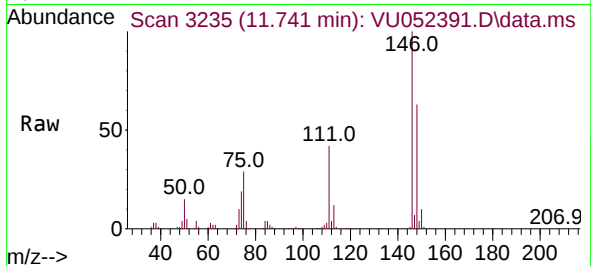




#64
1,3-Dichlorobenzene
Concen: 5.067 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

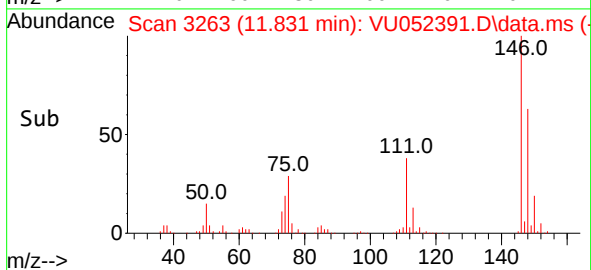
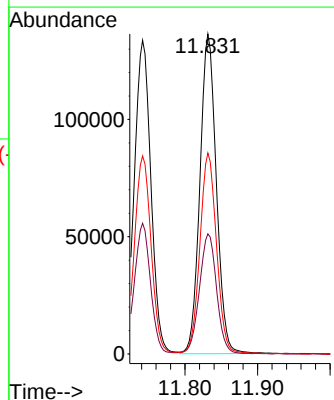
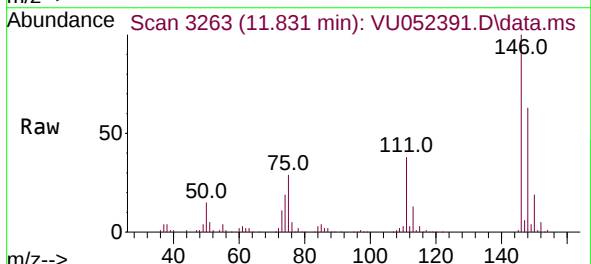
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

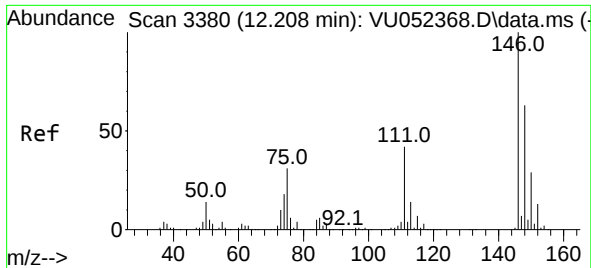
Tgt Ion:146 Resp: 213303
Ion Ratio Lower Upper
146 100
111 41.7 28.6 53.2
148 63.2 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 5.117 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion:146 Resp: 214837
Ion Ratio Lower Upper
146 100
111 37.5 26.9 50.1
148 62.8 45.1 83.7

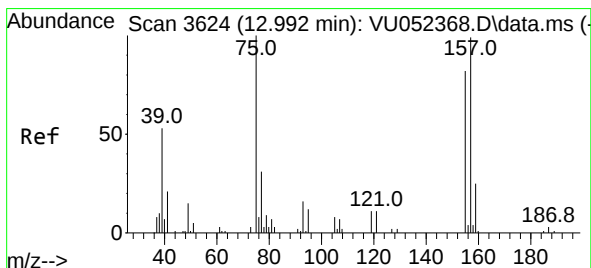
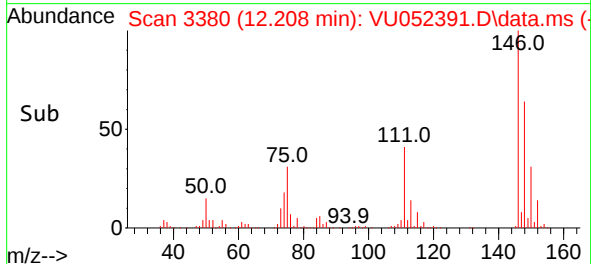
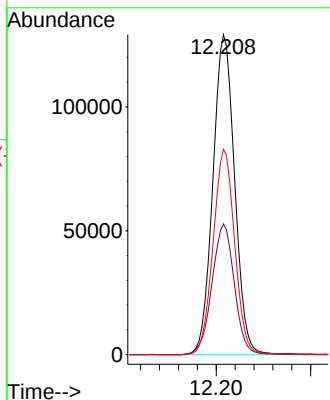
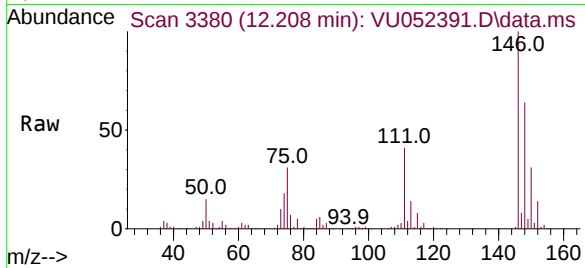




#67
1,2-Dichlorobenzene
Concen: 5.091 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

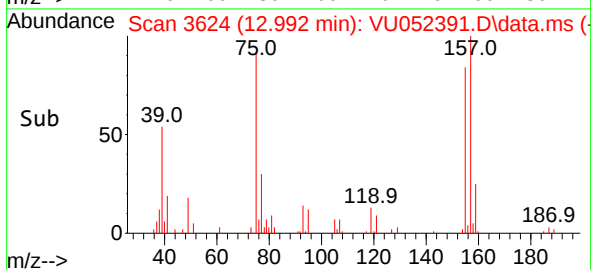
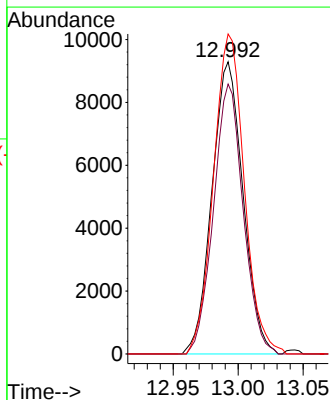
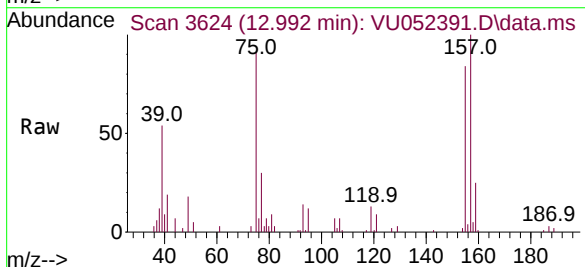
Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

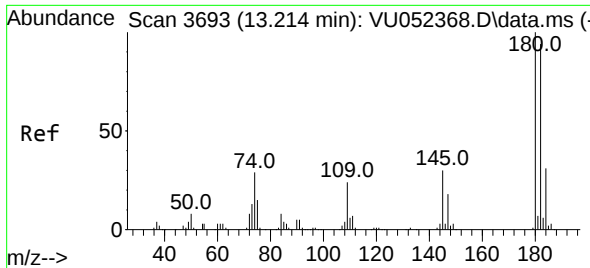
Tgt Ion:146 Resp: 206385
Ion Ratio Lower Upper
146 100
111 40.8 32.7 49.1
148 64.2 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 4.701 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion: 75 Resp: 15454
Ion Ratio Lower Upper
75 100
155 92.4 65.4 98.2
157 109.5 80.5 120.7



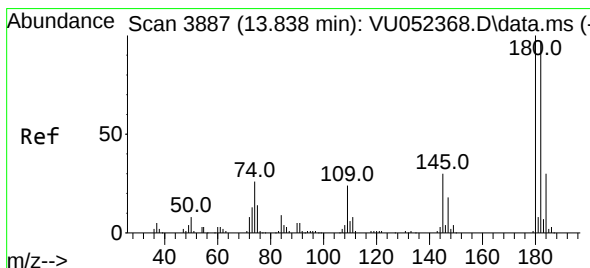
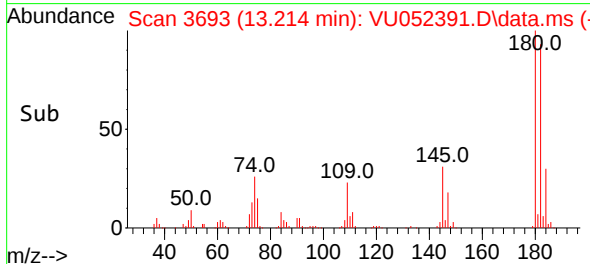
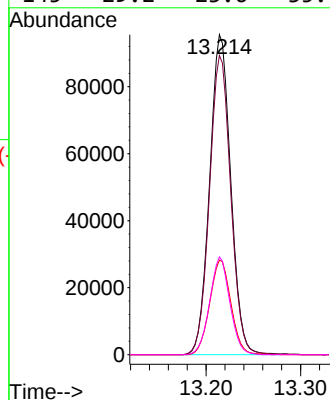
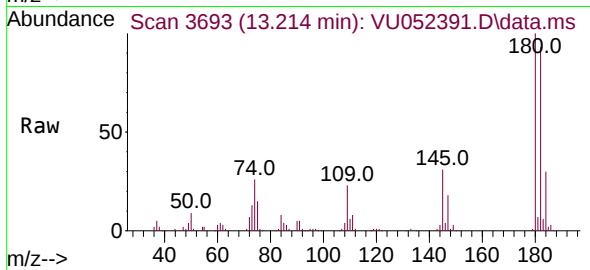


#69
 1,3,5-Trichlorobenzene
 Concen: 4.959 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052391.D
 Acq: 13 Dec 2022 20:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005106

Tgt Ion:180 Resp: 148023

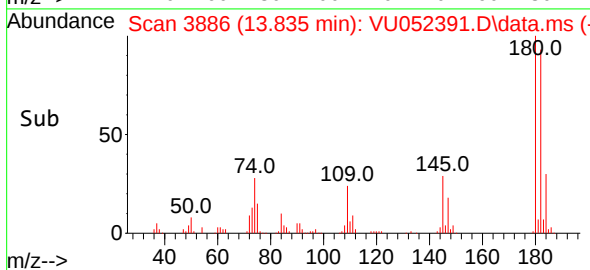
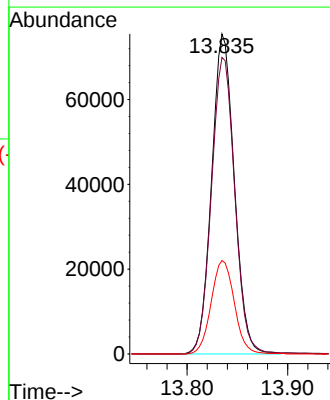
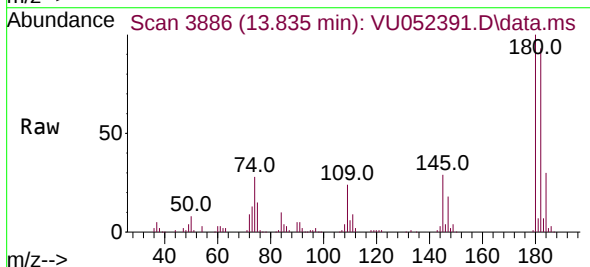
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.7	113.5
184	29.7	24.3	36.5
145	29.2	23.6	35.4

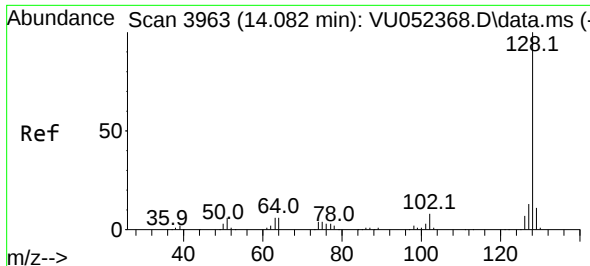


#70
 1,2,4-trichlorobenzene
 Concen: 5.204 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.003 min
 Lab File: VU052391.D
 Acq: 13 Dec 2022 20:39

Tgt Ion:180 Resp: 118292

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
145	29.8	24.6	36.8

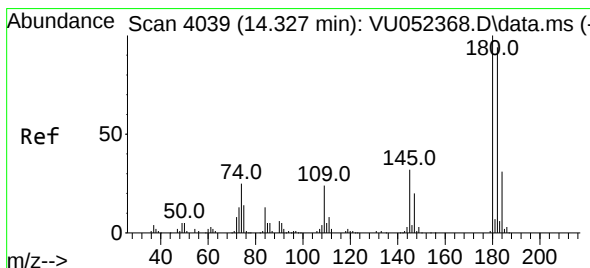
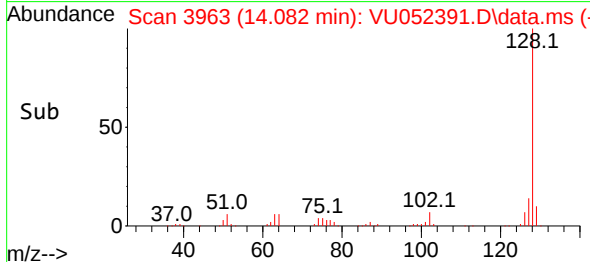
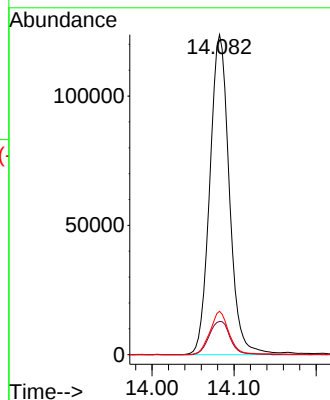
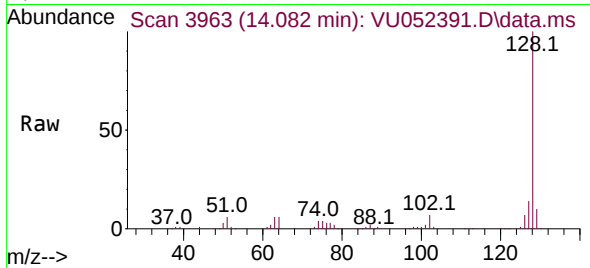




#71
Naphthalene
Concen: 4.796 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005106

Tgt Ion:128 Resp: 204703
Ion Ratio Lower Upper
128 100
129 11.2 8.3 12.5
127 13.6 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.230 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052391.D
Acq: 13 Dec 2022 20:39

Tgt Ion:180 Resp: 116980
Ion Ratio Lower Upper
180 100
182 94.4 75.7 113.5
145 30.6 24.5 36.7

