

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051922\
 Data File : VU048640.D
 Acq On : 19 May 2022 19:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050135

Quant Time: May 20 04:43:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 20 04:37:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	247030	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	237389	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	145103	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	50978	33.692	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.380%
7) Chloroethane-d5	1.912	69	41804	36.879	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.760%
11) 1,1-Dichloroethene-d2	2.571	63	135283	39.535	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.080%
21) 2-Butanone-d5	4.620	46	126874	88.116	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.120%
24) Chloroform-d	5.063	84	166156	43.457	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.920%
26) 1,2-Dichloroethane-d4	5.703	65	115443	42.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.600%
32) Benzene-d6	5.729	84	281768	42.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.300%
36) 1,2-Dichloropropane-d6	6.690	67	84657	43.648	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.300%
41) Toluene-d8	7.899	98	273656	44.036	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.080%
43) trans-1,3-Dichloroprop...	8.179	79	52474	42.309	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.620%
47) 2-Hexanone-d5	8.632	63	95400	89.690	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.690%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	140906	43.904	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	127333	42.926	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118553	44.658	ug/L	99
3) Chloromethane	1.523	50	64778	39.547	ug/L	100
5) Vinyl chloride	1.604	62	75628	43.403	ug/L	99
6) Bromomethane	1.851	94	57480	45.694	ug/L	99
8) Chloroethane	1.932	64	46198	45.045	ug/L	97
9) Trichlorofluoromethane	2.137	101	154966	45.557	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	82529	47.580	ug/L	96
12) 1,1-Dichloroethene	2.581	96	76193	47.406	ug/L	90
13) Acetone	2.626	43	86156	73.652	ug/L	99
14) Carbon disulfide	2.793	76	205690	44.100	ug/L	100
15) Methyl Acetate	2.948	43	86621	43.387	ug/L	96
16) Methylene chloride	3.047	84	86614	46.289	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	80231	46.282	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	291613	48.486	ug/L	99
19) 1,1-Dichloroethane	3.870	63	150797	47.515	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	94479	48.328	ug/L	99
22) 2-Butanone	4.700	43	124109	83.559	ug/L	96
23) Bromochloromethane	4.976	128	51517	47.490	ug/L	94
25) Chloroform	5.089	83	176835	47.736	ug/L	98

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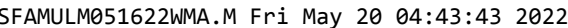
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050135

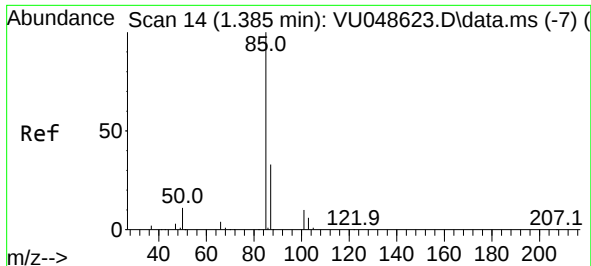
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 Quant Title : VOC Analysis
 QLast Update : Fri May 20 04:37:51 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	153112	48.182	ug/L	99
29) Cyclohexane	5.391	56	116469	47.767	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	175547	48.839	ug/L	97
31) Carbon tetrachloride	5.526	117	155519	47.476	ug/L	98
33) Benzene	5.774	78	334940	48.294	ug/L	100
34) Trichloroethene	6.542	95	95173	48.503	ug/L	96
35) Methylcyclohexane	6.764	83	131857	46.828	ug/L	99
37) 1,2-Dichloropropane	6.790	63	82069	47.324	ug/L	99
38) Bromodichloromethane	7.105	83	135635	48.341	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	148495	50.153	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	244539	92.403	ug/L	99
42) Toluene	7.970	91	381073	50.411	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	154056	49.338	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	92441	49.777	ug/L	97
46) Tetrachloroethene	8.555	164	78989	49.332	ug/L	98
48) 2-Hexanone	8.684	43	199027	87.775	ug/L	99
49) Dibromochloromethane	8.809	129	120885	50.630	ug/L	99
50) 1,2-Dibromoethane	8.925	107	105067	49.022	ug/L	96
51) Chlorobenzene	9.446	112	260889	49.483	ug/L	98
52) Ethylbenzene	9.571	91	422544	48.913	ug/L	99
53) m,p-Xylene	9.693	106	170091	48.995	ug/L	98
54) o-Xylene	10.098	106	165674	49.814	ug/L	96
55) Styrene	10.114	104	288089	49.820	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	149948	46.719	ug/L	97
59) Bromoform	10.291	173	96266	48.264	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	133168	46.275	ug/L	97
61) Isopropylbenzene	10.484	105	447570	50.084	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	258101	50.803	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	405966	51.388	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	220744	47.900	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	226248	47.311	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	225881	48.190	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	51688	46.455	ug/L	99
69) 1,3,5-Trichlorobenzene	13.220	180	174789	47.586	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	164025	49.373	ug/L	99
71) Naphthalene	14.085	128	554195	50.592	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	166618	49.954	ug/L	98

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

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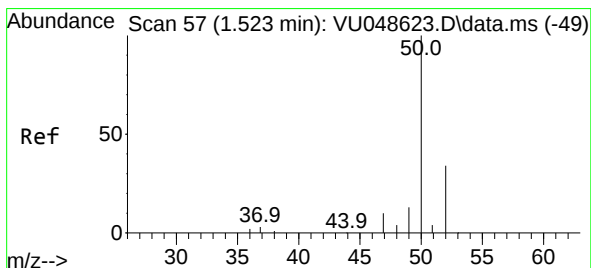
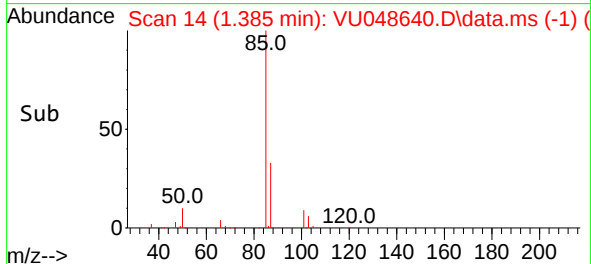
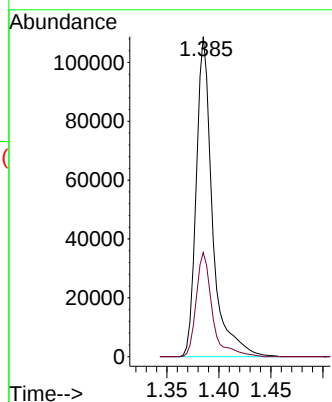
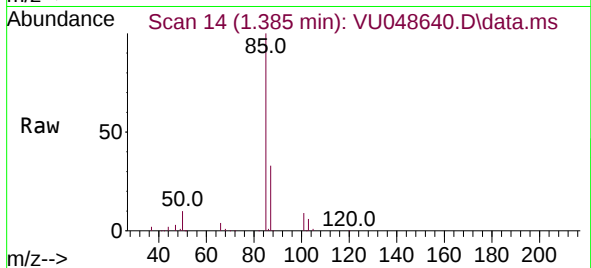




#2
Dichlorodifluoromethane
Concen: 44.658 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

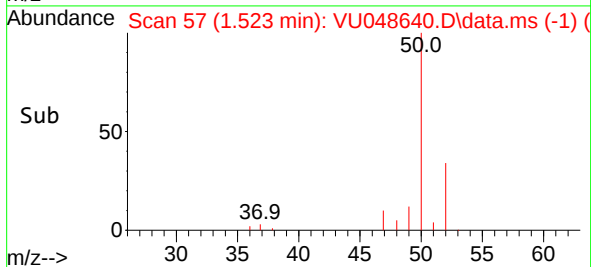
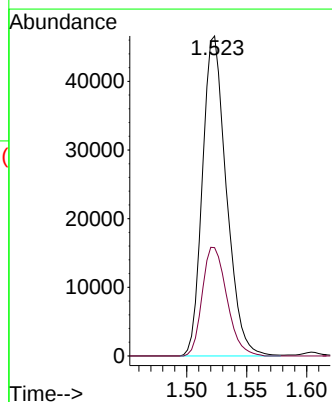
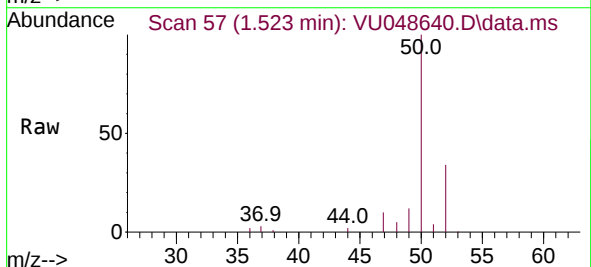
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

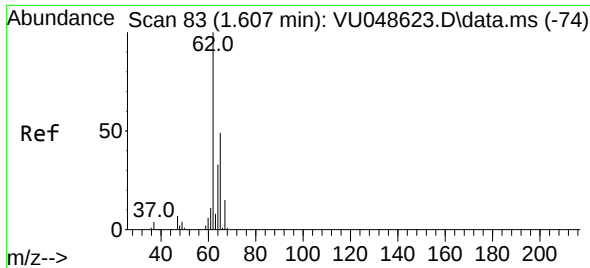
Tgt Ion: 85 Resp: 118553
Ion Ratio Lower Upper
85 100
87 32.4 25.4 38.2



#3
Chloromethane
Concen: 39.547 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion: 50 Resp: 64778
Ion Ratio Lower Upper
50 100
52 33.8 23.8 44.2

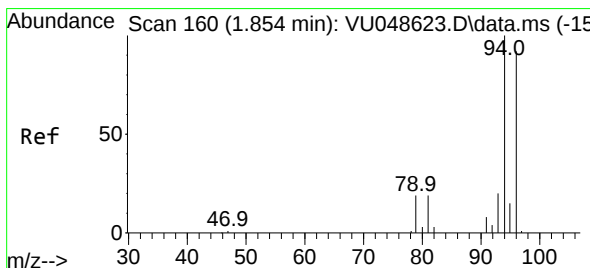
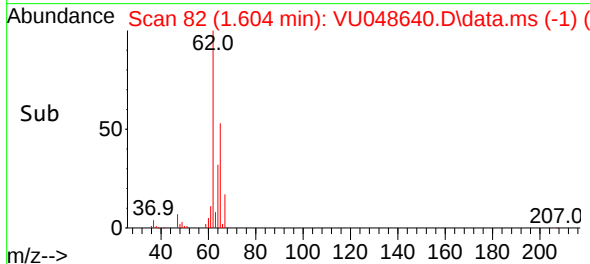
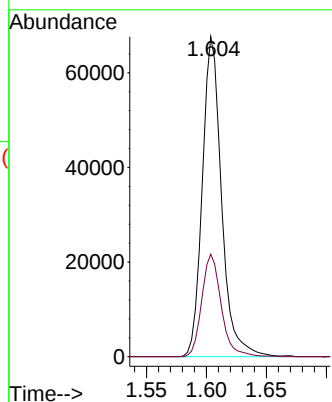
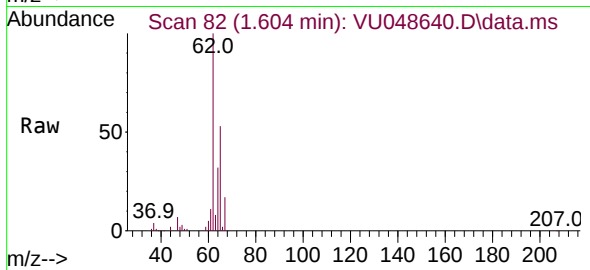




#5
 Vinyl chloride
 Concen: 43.403 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048640.D
 Acq: 19 May 2022 19:14

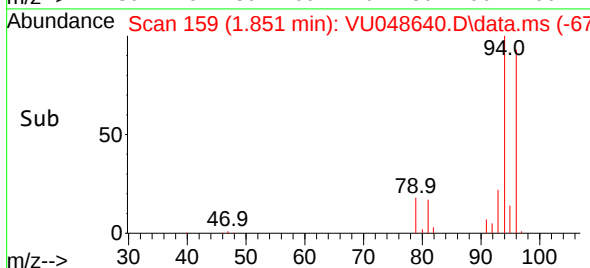
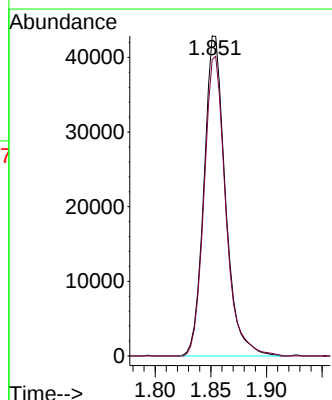
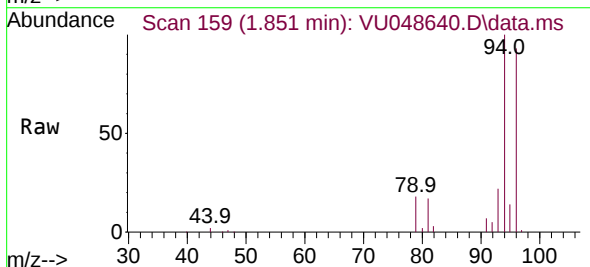
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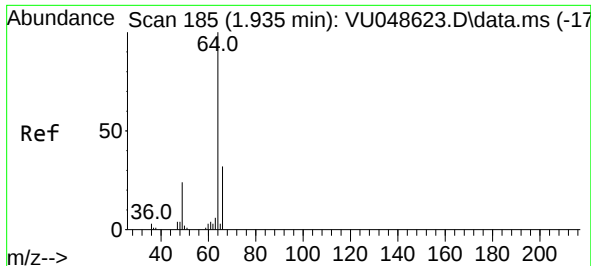
Tgt Ion: 62 Resp: 75628
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.9 42.5



#6
 Bromomethane
 Concen: 45.694 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VU048640.D
 Acq: 19 May 2022 19:14

Tgt Ion: 94 Resp: 57480
 Ion Ratio Lower Upper
 94 100
 96 92.6 65.7 121.9

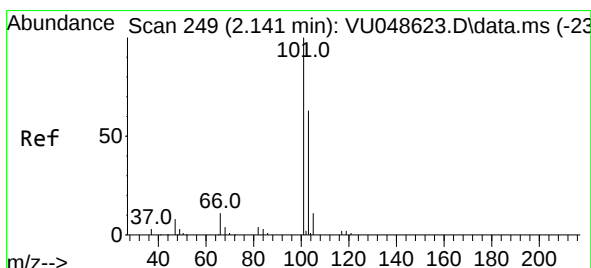
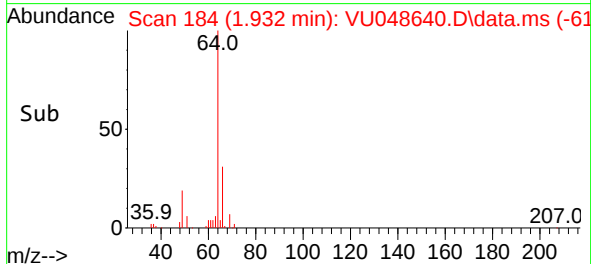
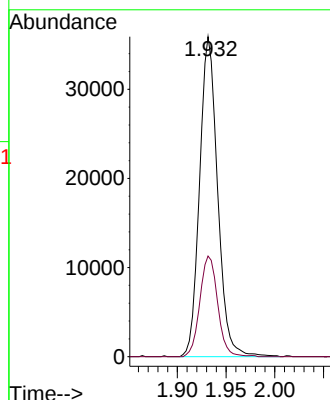
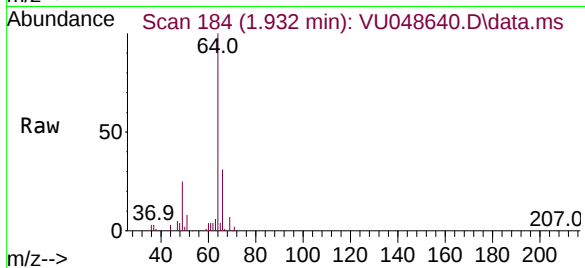




#8
Chloroethane
Concen: 45.045 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

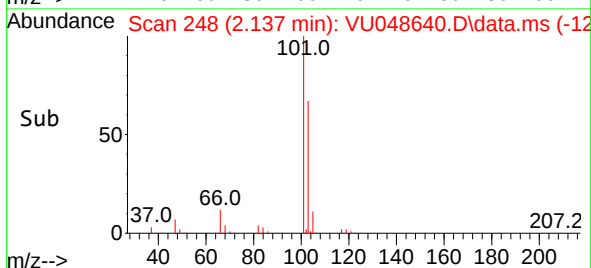
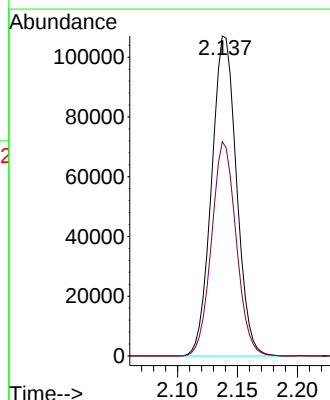
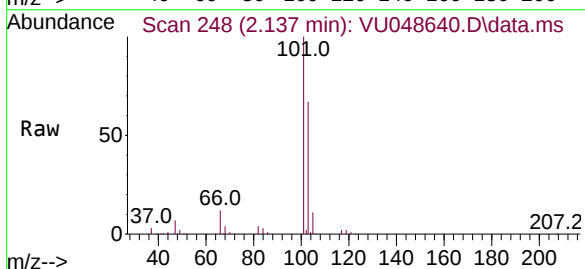
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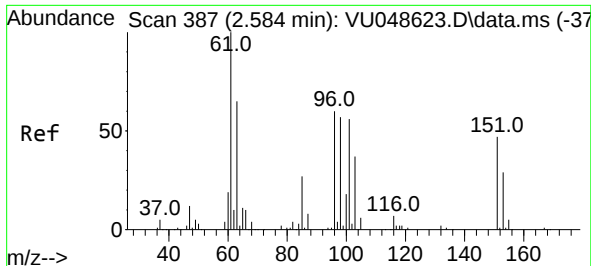
Tgt Ion: 64 Resp: 46198
Ion Ratio Lower Upper
64 100
66 31.4 23.1 42.9



#9
Trichlorofluoromethane
Concen: 45.557 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion:101 Resp: 154966
Ion Ratio Lower Upper
101 100
103 66.1 51.6 77.4

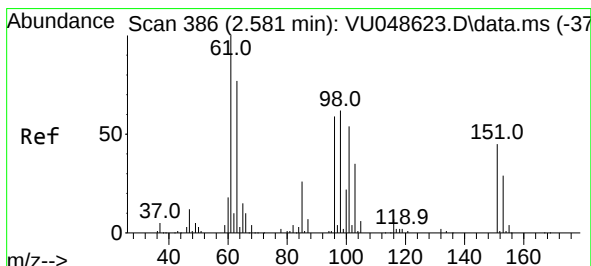
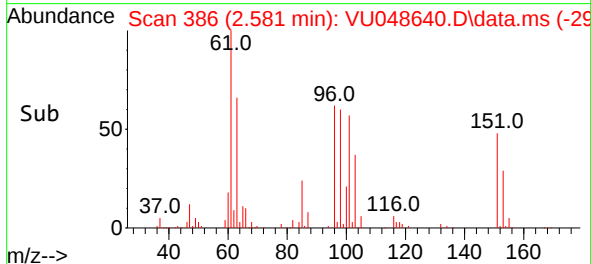
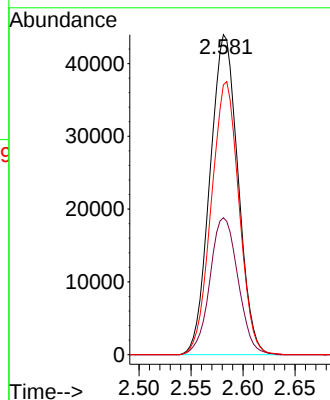
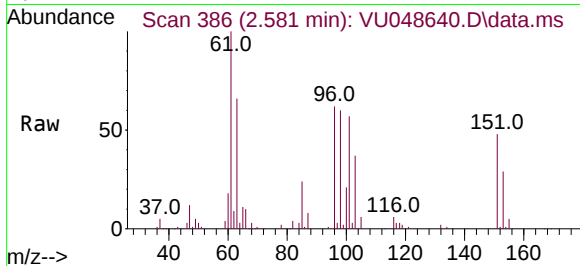




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.580 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

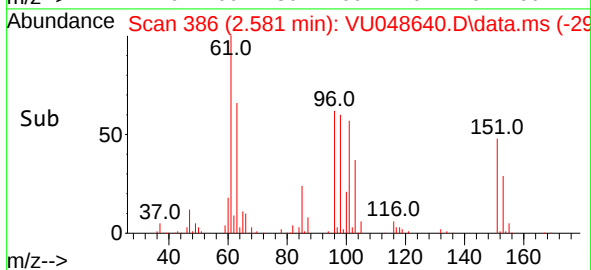
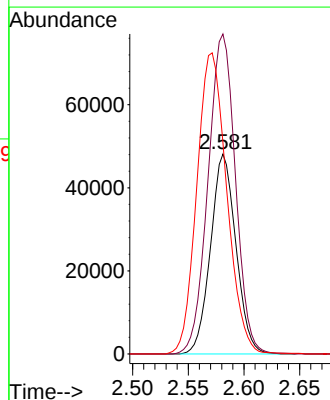
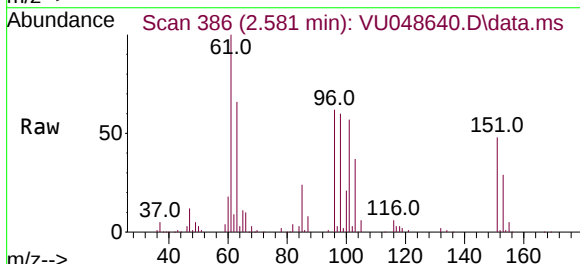
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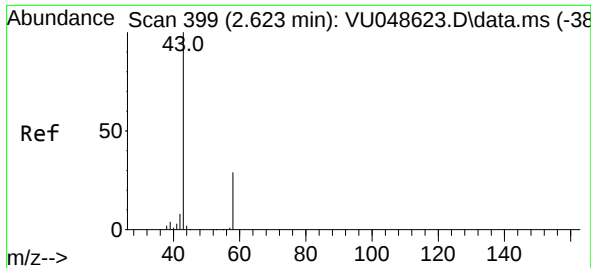
Tgt Ion:101 Resp: 82529
Ion Ratio Lower Upper
101 100
85 42.9 35.7 53.5
151 84.2 64.4 96.6



#12
1,1-Dichloroethene
Concen: 47.406 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion: 96 Resp: 76193
Ion Ratio Lower Upper
96 100
61 160.1 120.6 224.0
63 105.9 82.3 152.9





#13

Acetone

Concen: 73.652 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

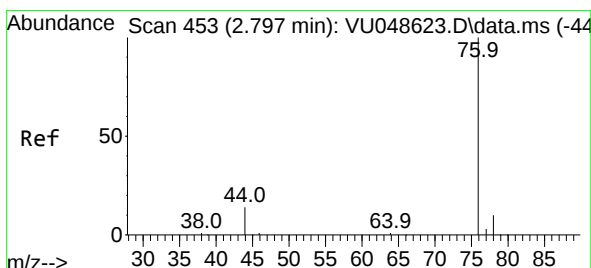
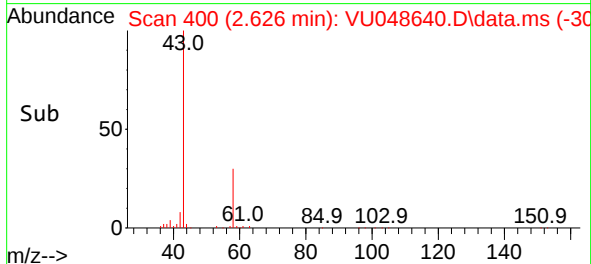
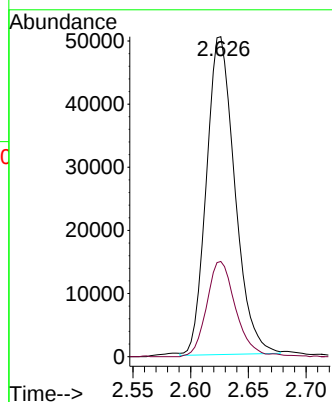
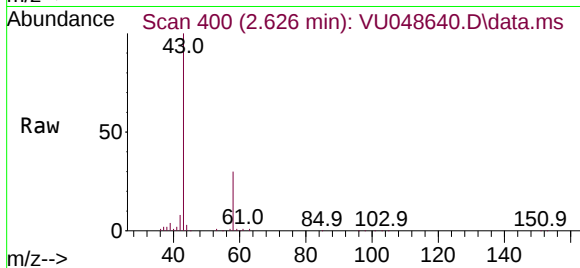
VSTD050135

Tgt Ion: 43 Resp: 86156

Ion Ratio Lower Upper

43 100

58 30.3 0.0 59.8



#14

Carbon disulfide

Concen: 44.100 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU048640.D

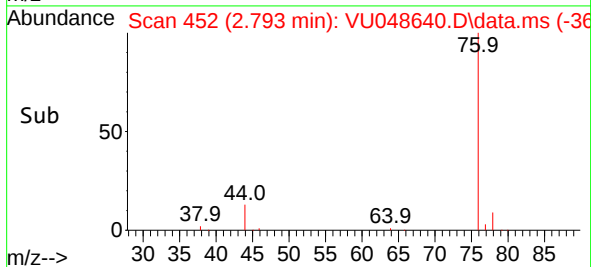
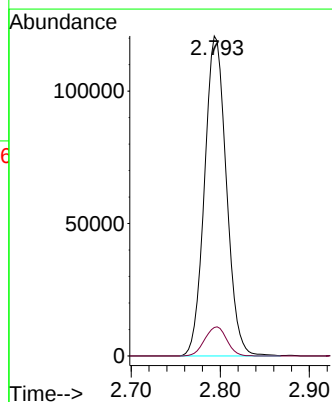
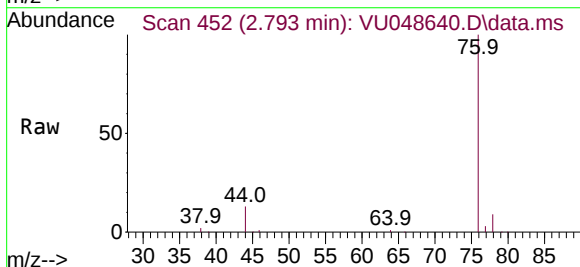
Acq: 19 May 2022 19:14

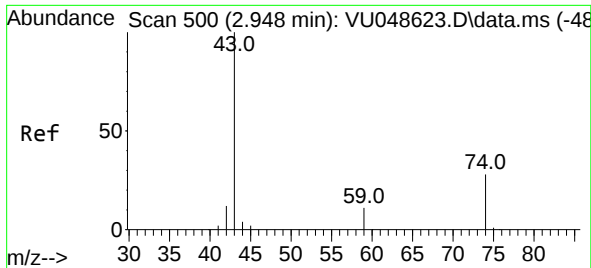
Tgt Ion: 76 Resp: 205690

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

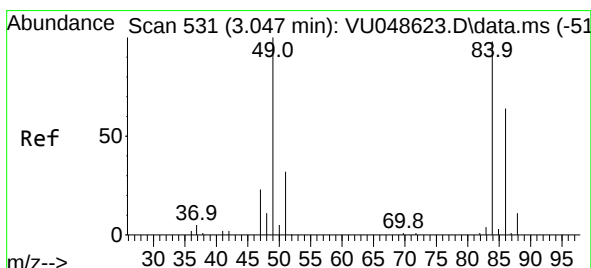
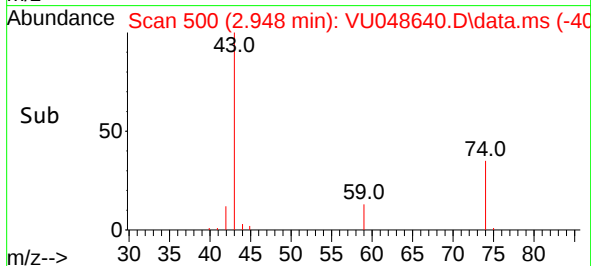
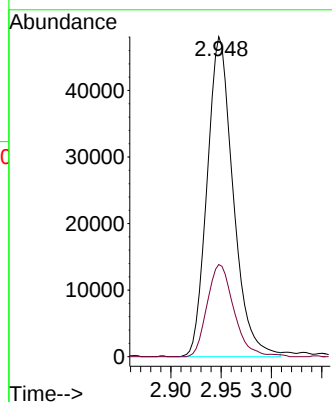
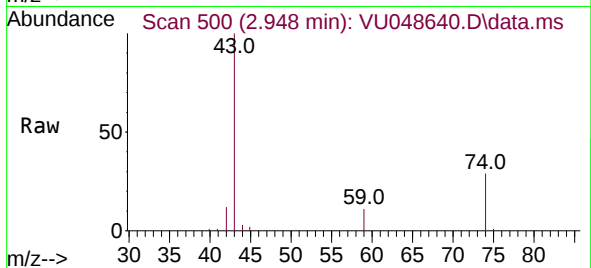




#15
Methyl Acetate
Concen: 43.387 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

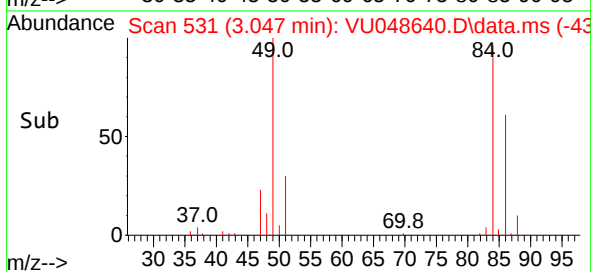
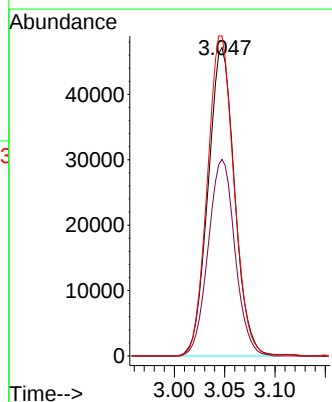
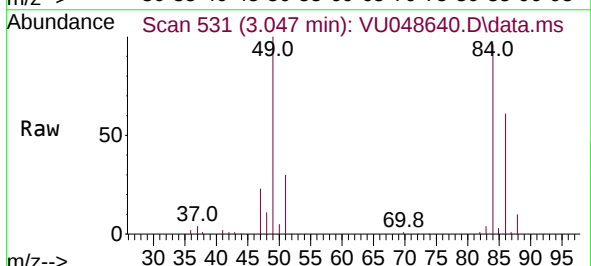
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

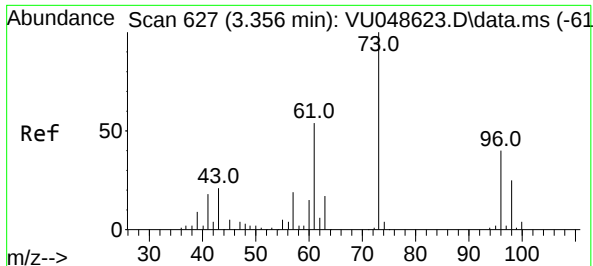
Tgt Ion: 43 Resp: 86621
Ion Ratio Lower Upper
43 100
74 29.3 21.7 32.5



#16
Methylene chloride
Concen: 46.289 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion: 84 Resp: 86614
Ion Ratio Lower Upper
84 100
86 63.8 43.5 80.9
49 103.8 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 46.282 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD050135

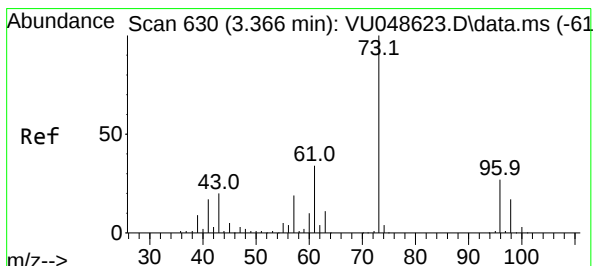
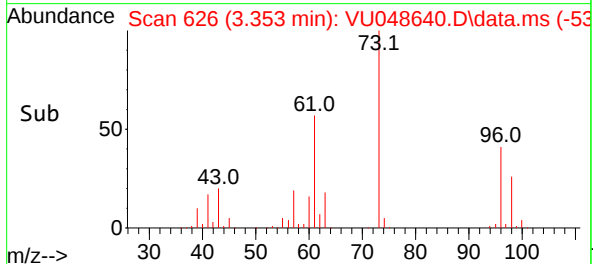
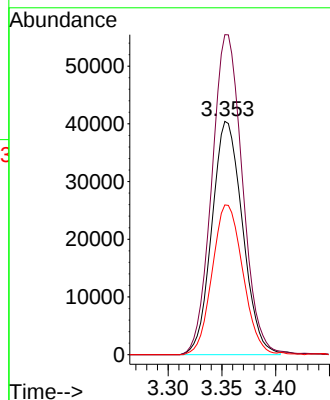
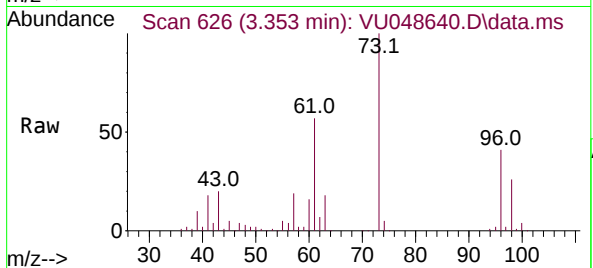
Tgt Ion: 96 Resp: 80231

Ion Ratio Lower Upper

96 100

61 137.1 94.2 175.0

98 64.2 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 48.486 ug/L

RT: 3.366 min Scan# 630

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

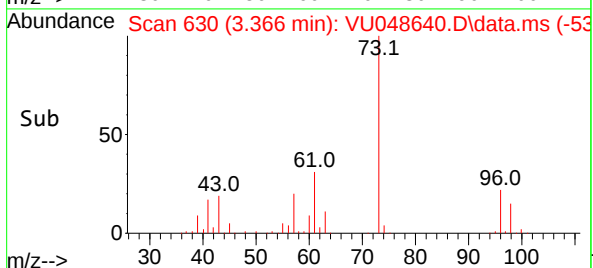
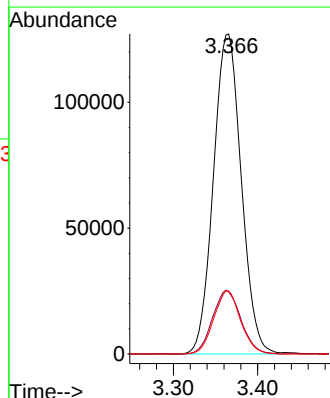
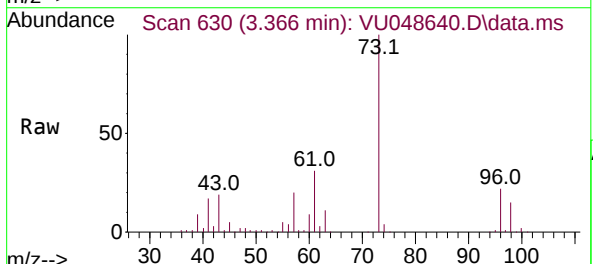
Tgt Ion: 73 Resp: 291613

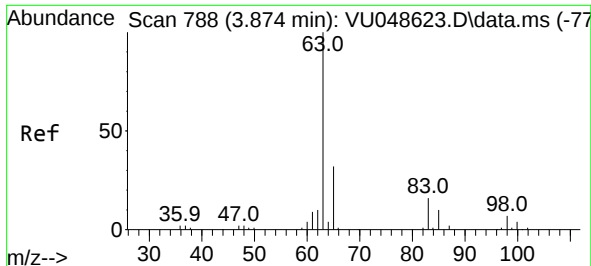
Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.4

57 19.1 15.7 23.5





#19

1,1-Dichloroethane

Concen: 47.515 ug/L

RT: 3.870 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD050135

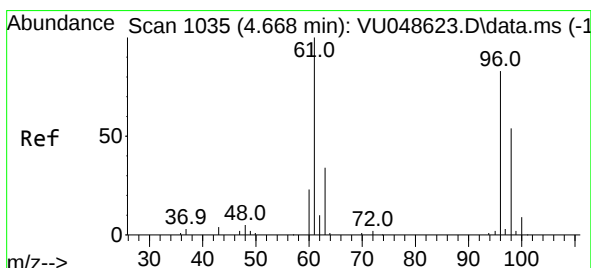
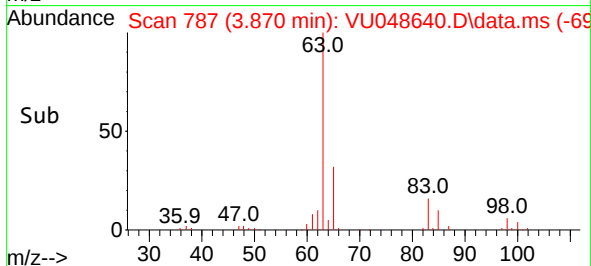
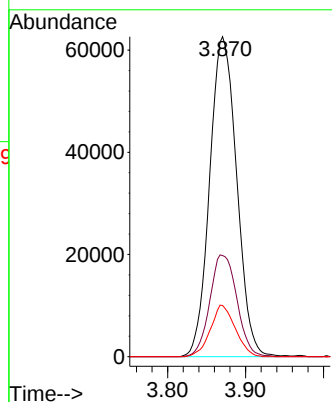
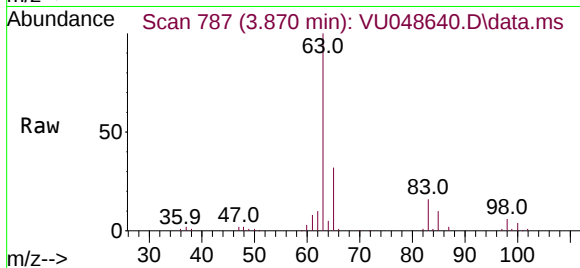
Tgt Ion: 63 Resp: 150797

Ion Ratio Lower Upper

63 100

65 31.6 21.8 40.6

83 16.0 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 48.328 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

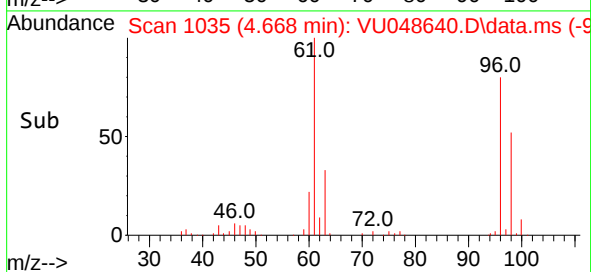
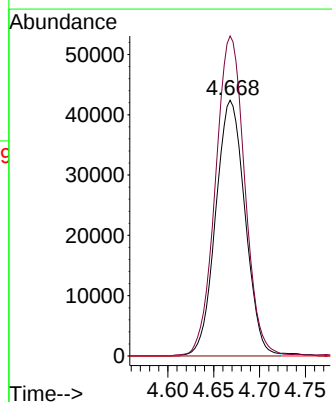
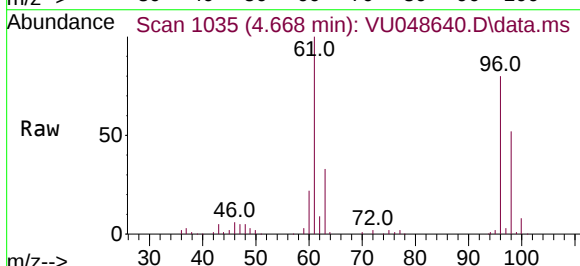
Tgt Ion: 96 Resp: 94479

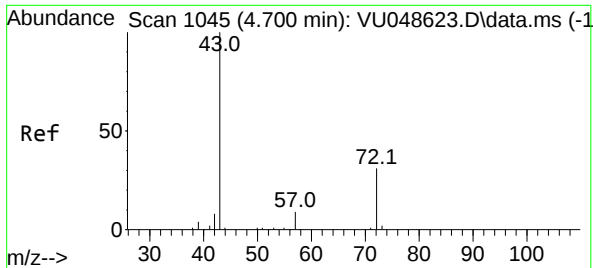
Ion Ratio Lower Upper

96 100

61 125.1 88.3 164.1

68 0.0 0.0 0.0

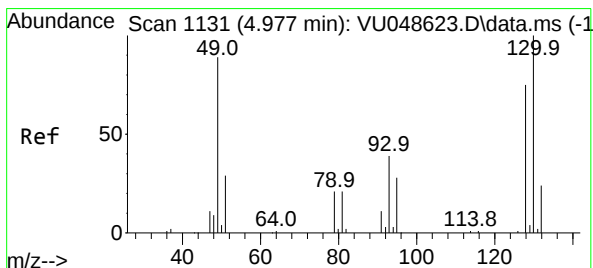
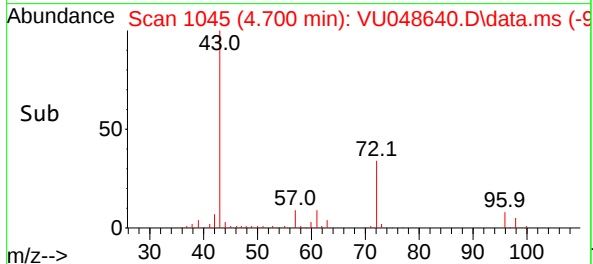
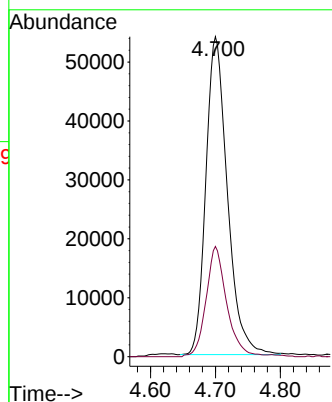
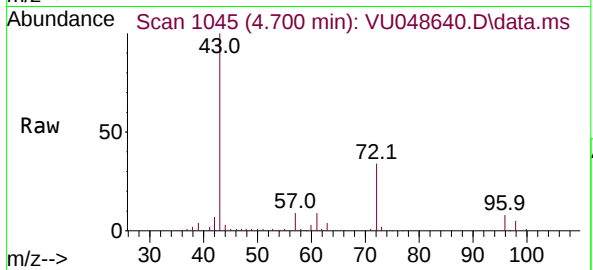




#22
2-Butanone
Concen: 83.559 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

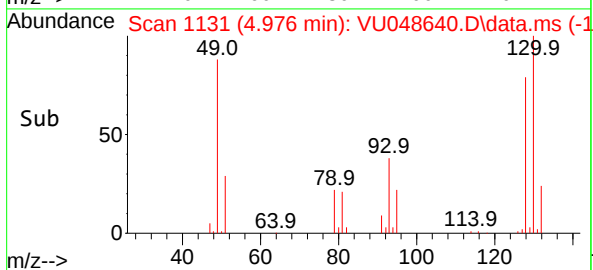
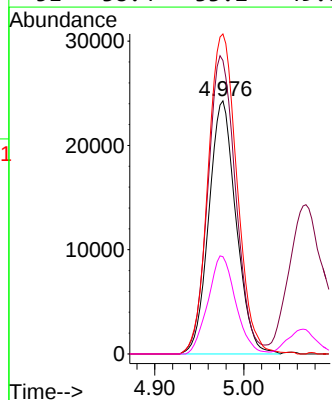
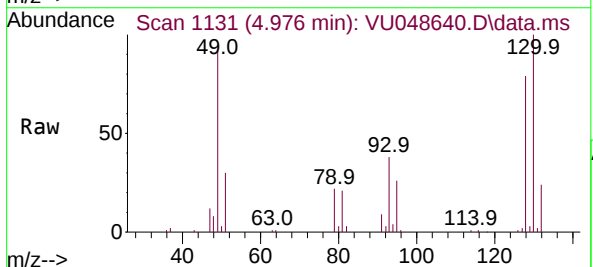
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

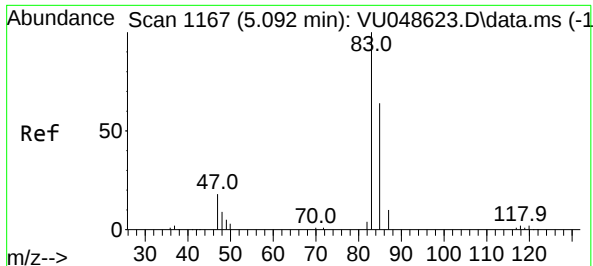
Tgt Ion: 43 Resp: 124109
Ion Ratio Lower Upper
43 100
72 33.2 15.4 46.2



#23
Bromochloromethane
Concen: 47.490 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion: 128 Resp: 51517
Ion Ratio Lower Upper
128 100
49 115.9 91.9 170.7
130 126.4 88.4 164.2
51 38.4 33.2 49.8





#25

Chloroform

Concen: 47.736 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

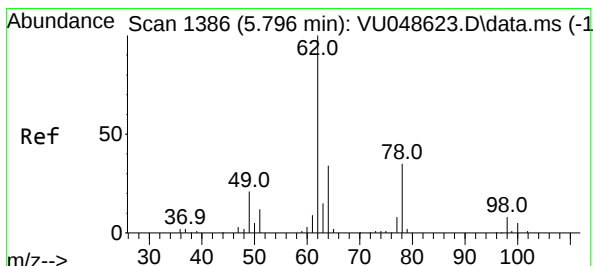
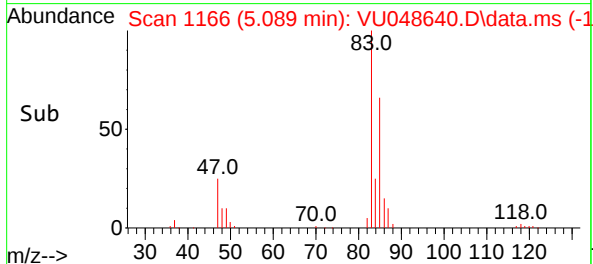
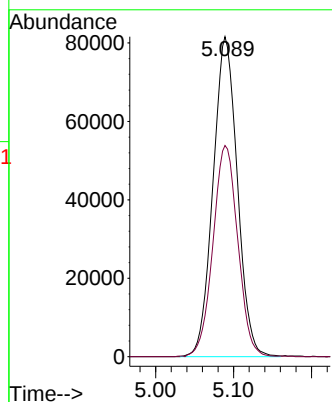
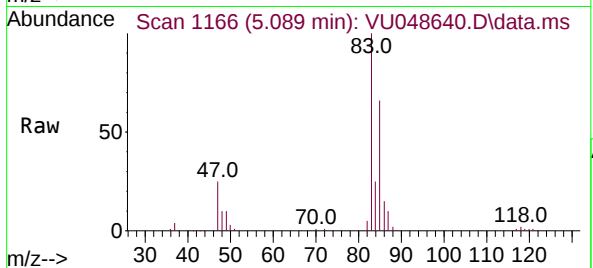
VSTD050135

Tgt Ion: 83 Resp: 176835

Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.7



#27

1,2-Dichloroethane

Concen: 48.182 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048640.D

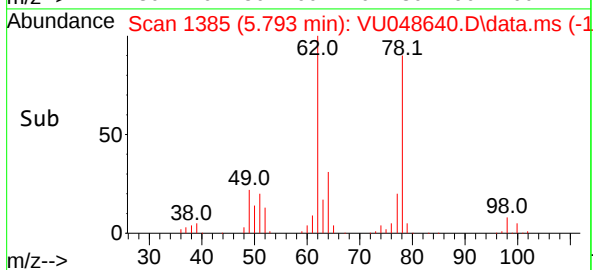
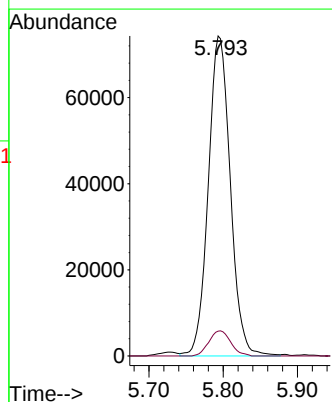
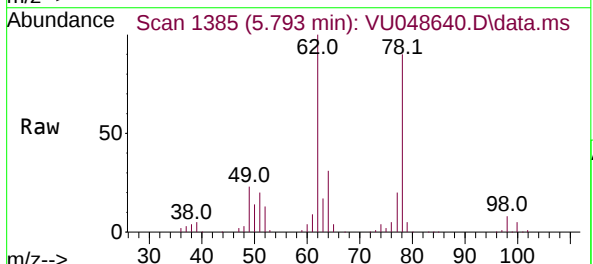
Acq: 19 May 2022 19:14

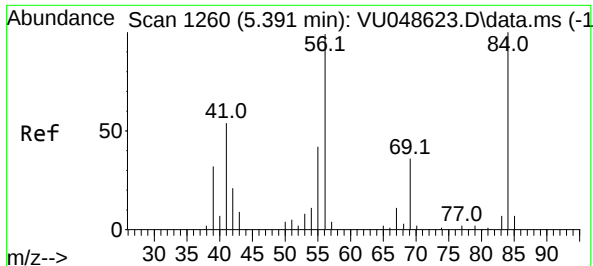
Tgt Ion: 62 Resp: 153112

Ion Ratio Lower Upper

62 100

98 7.7 6.0 9.0





#29

Cyclohexane

Concen: 47.767 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD050135

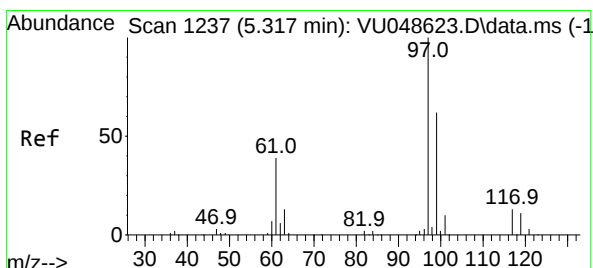
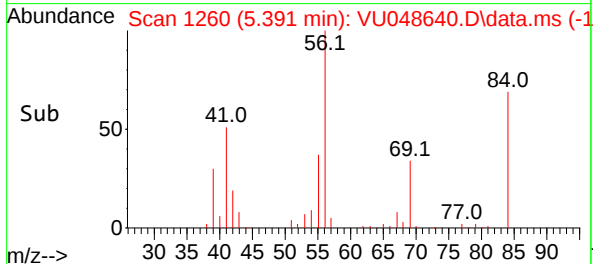
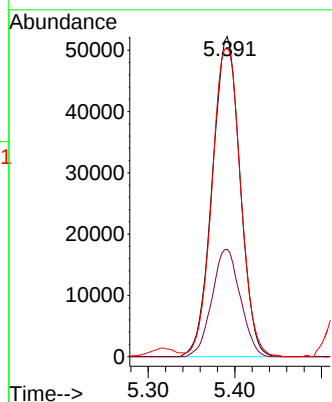
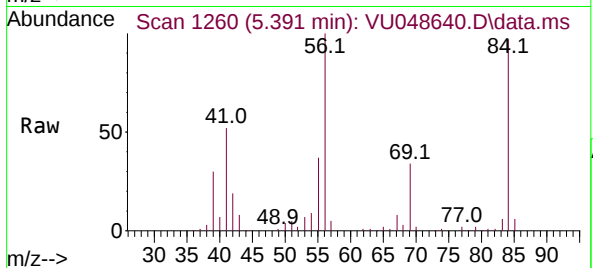
Tgt Ion: 56 Resp: 116469

Ion Ratio Lower Upper

56 100

69 34.2 26.5 39.7

84 98.0 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 48.839 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

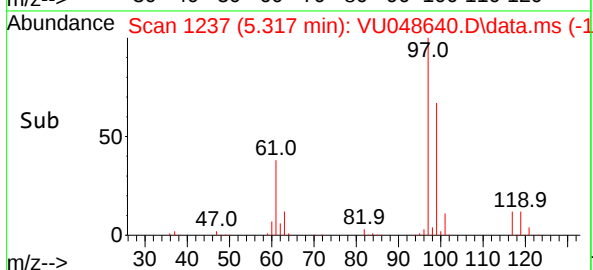
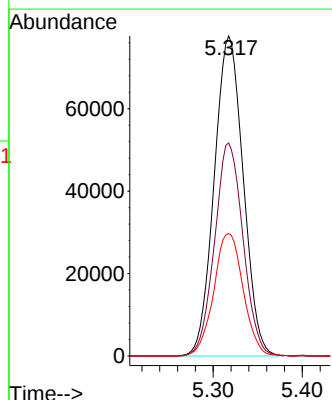
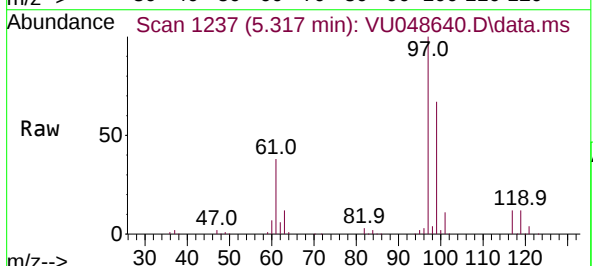
Tgt Ion: 97 Resp: 175547

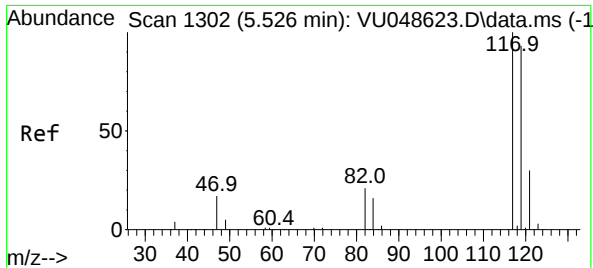
Ion Ratio Lower Upper

97 100

99 65.4 50.3 75.5

61 38.8 32.6 48.8

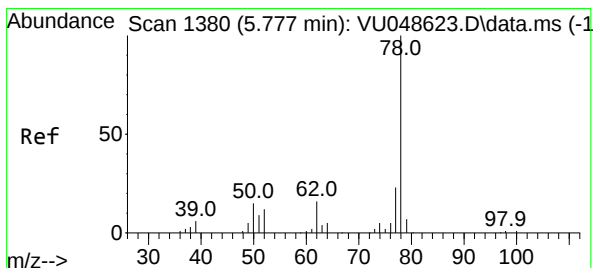
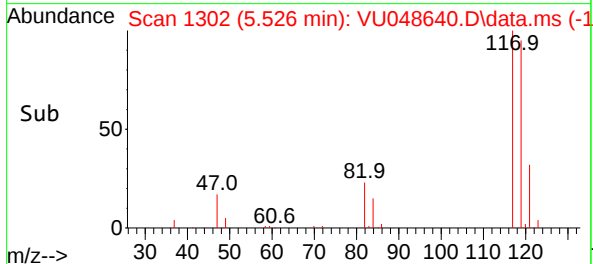
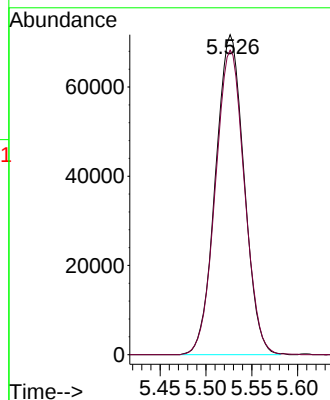
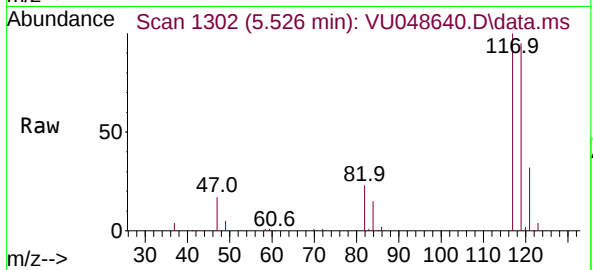




#31
Carbon tetrachloride
Concen: 47.476 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

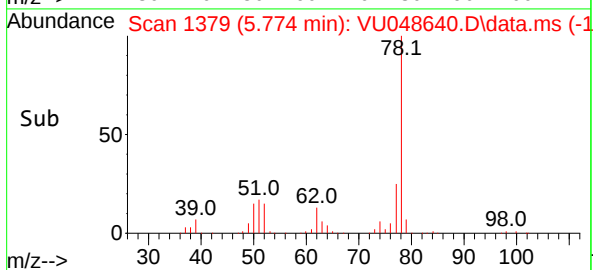
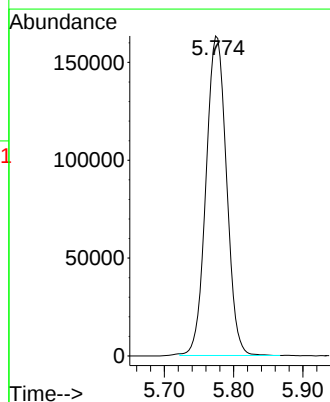
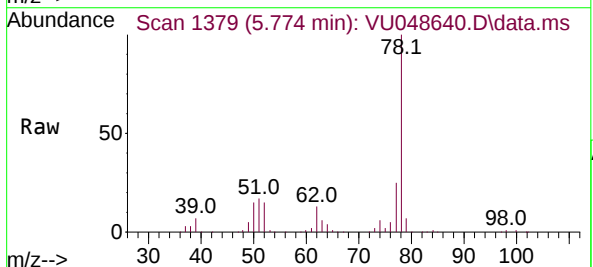
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

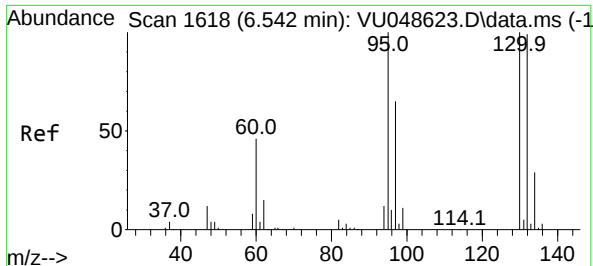
Tgt Ion:117 Resp: 155519
Ion Ratio Lower Upper
117 100
119 96.8 76.0 114.0



#33
Benzene
Concen: 48.294 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion: 78 Resp: 334940

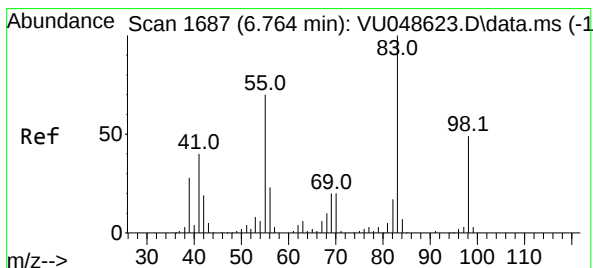
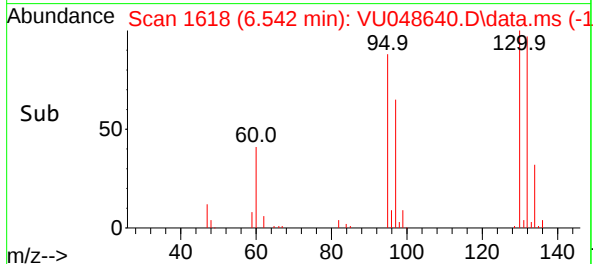
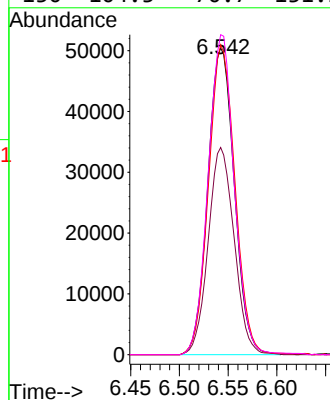
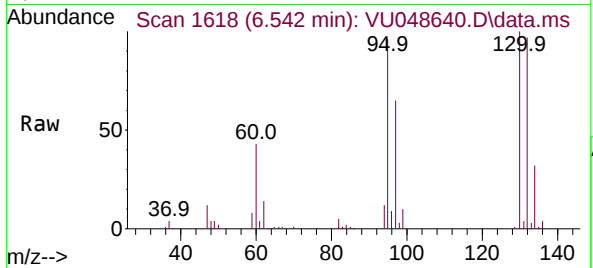




#34
Trichloroethene
Concen: 48.503 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

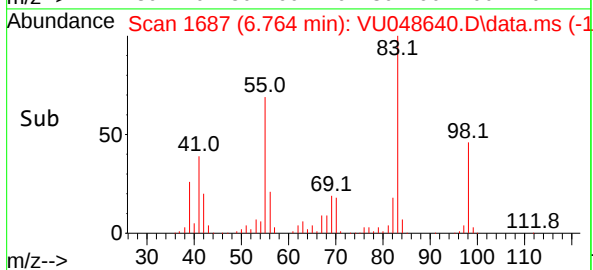
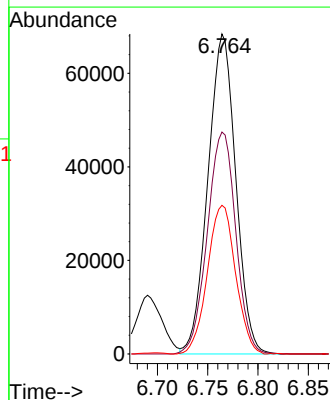
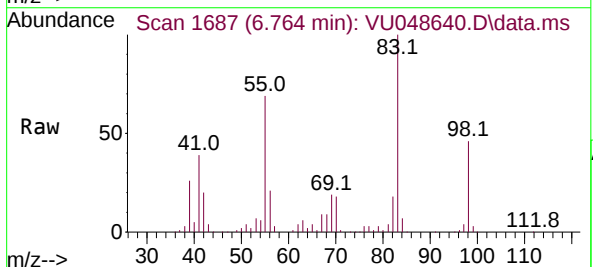
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

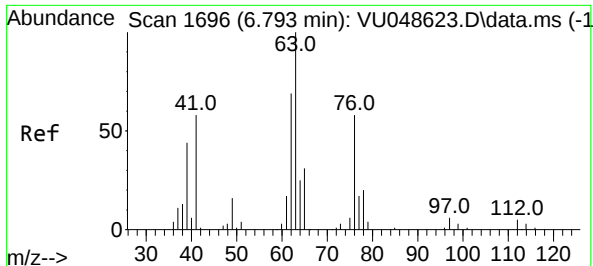
Tgt Ion: 95 Resp: 95173
Ion Ratio Lower Upper
95 100
97 67.6 45.2 84.0
132 101.0 67.3 124.9
130 104.3 70.7 131.3



#35
Methylcyclohexane
Concen: 46.828 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion: 83 Resp: 131857
Ion Ratio Lower Upper
83 100
55 71.0 56.2 84.4
98 47.0 38.2 57.2





#37

1,2-Dichloropropane

Concen: 47.324 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

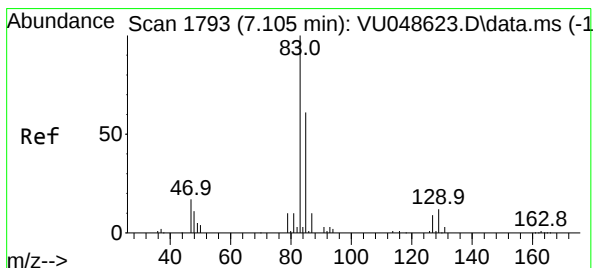
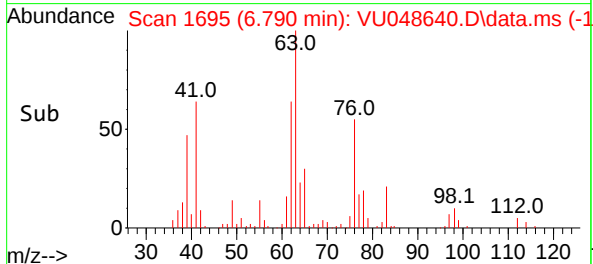
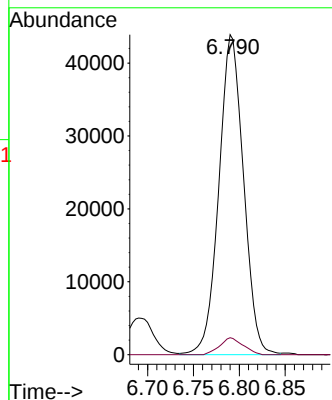
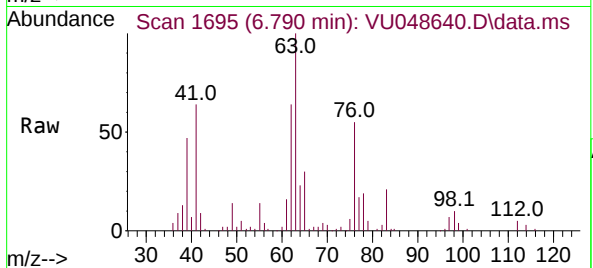
VSTD050135

Tgt Ion: 63 Resp: 82069

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



#38

Bromodichloromethane

Concen: 48.341 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

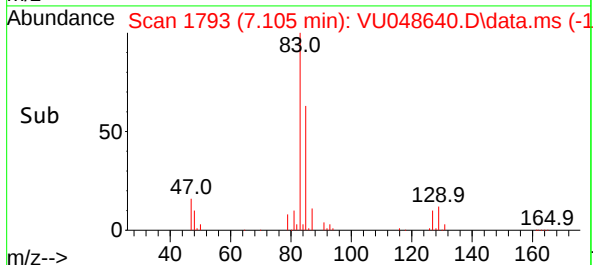
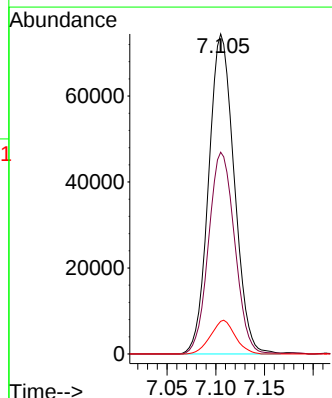
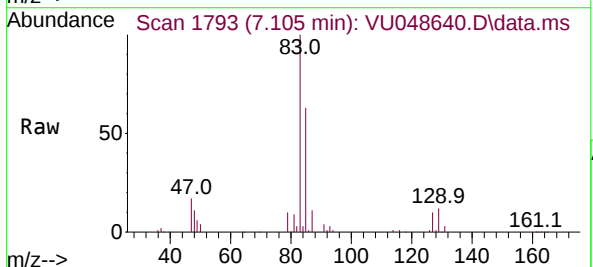
Tgt Ion: 83 Resp: 135635

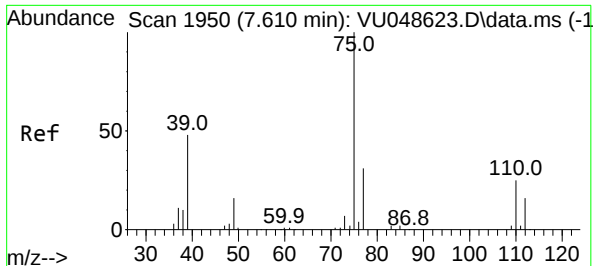
Ion Ratio Lower Upper

83 100

85 63.1 46.1 85.5

127 10.2 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 50.153 ug/L

RT: 7.607 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

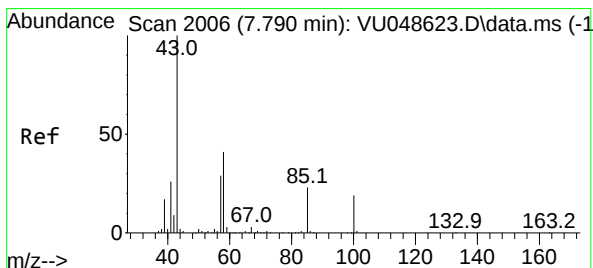
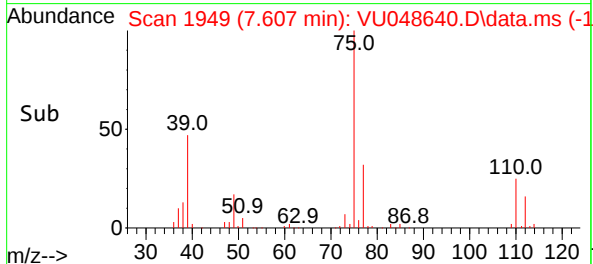
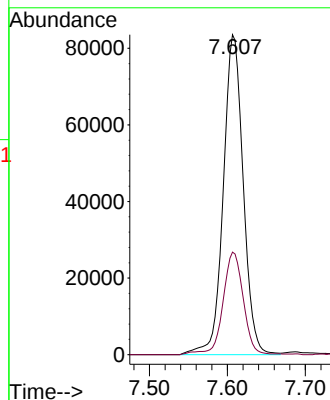
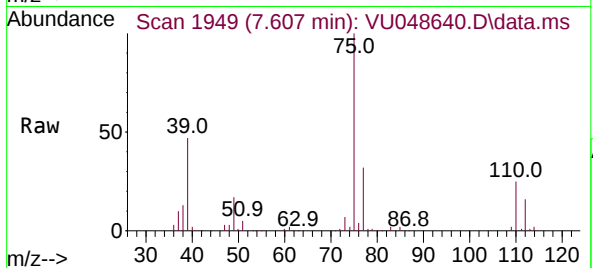
VSTD050135

Tgt Ion: 75 Resp: 148495

Ion Ratio Lower Upper

75 100

77 32.0 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 92.403 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

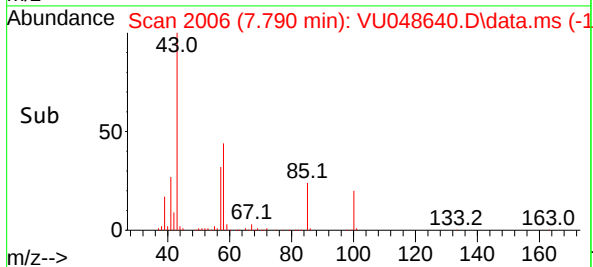
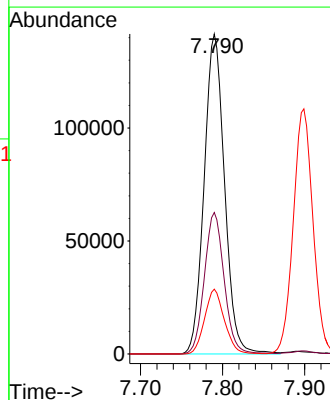
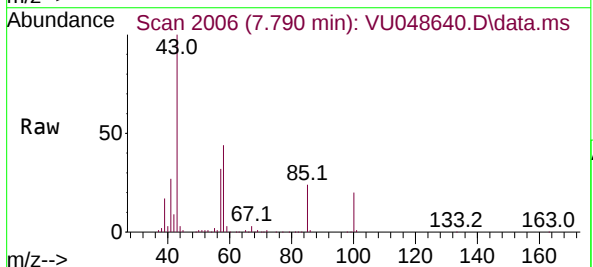
Tgt Ion: 43 Resp: 244539

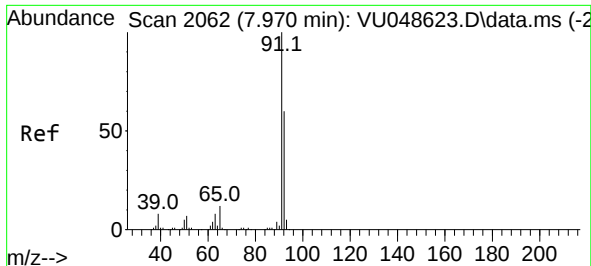
Ion Ratio Lower Upper

43 100

58 42.9 34.3 51.5

100 19.6 14.7 22.1





#42

Toluene

Concen: 50.411 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

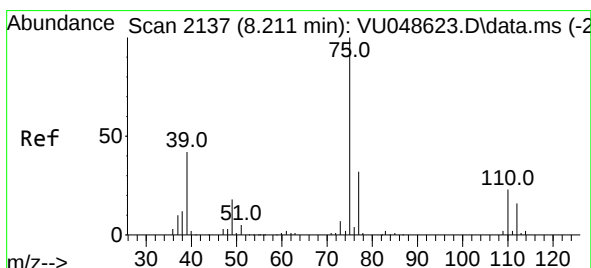
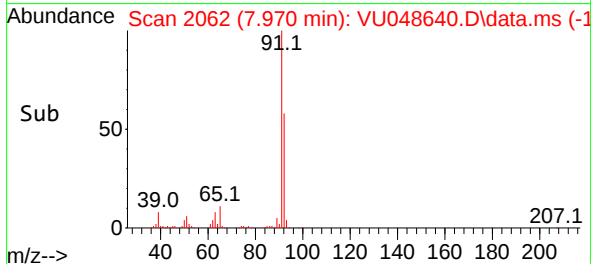
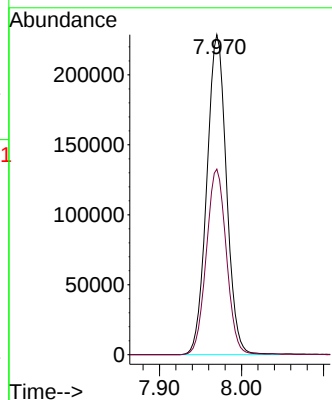
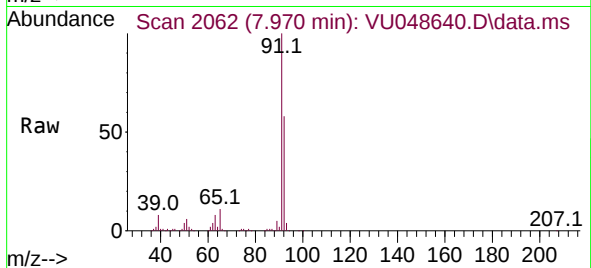
VSTD050135

Tgt Ion: 91 Resp: 381073

Ion Ratio Lower Upper

91 100

92 58.0 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 49.338 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048640.D

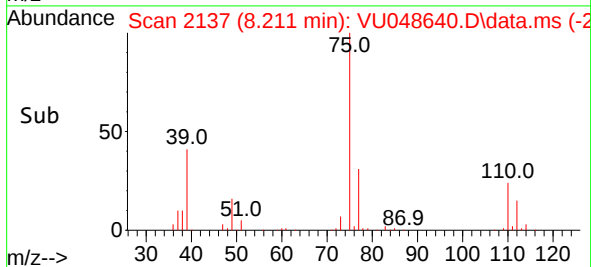
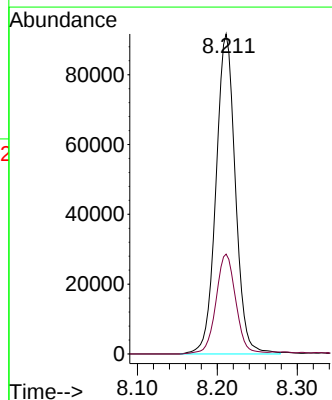
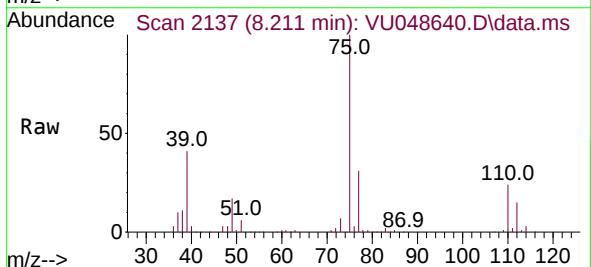
Acq: 19 May 2022 19:14

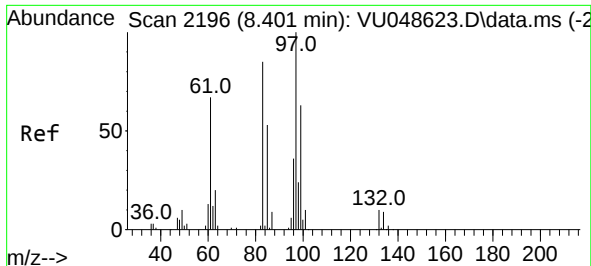
Tgt Ion: 75 Resp: 154056

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.1

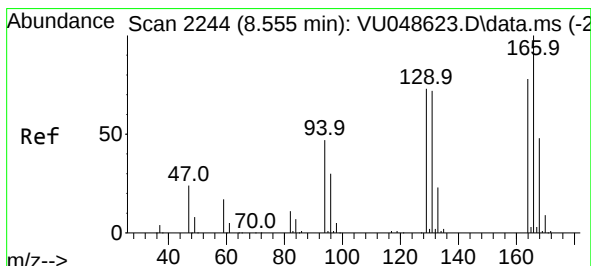
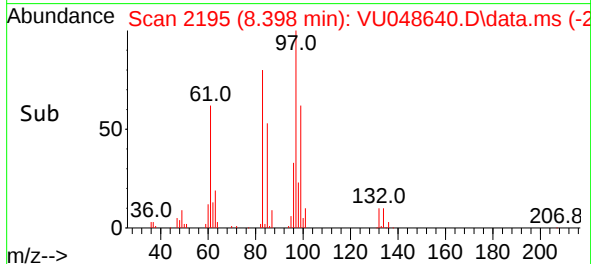
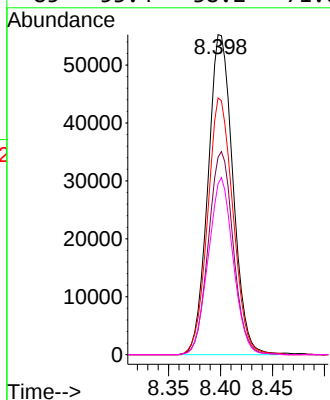
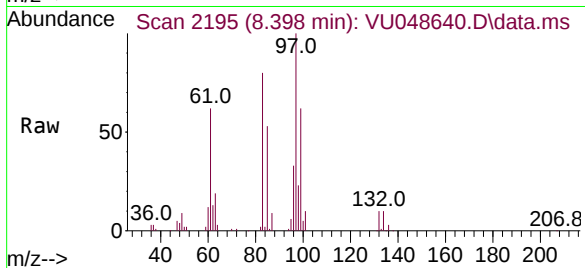




#45
1,1,2-Trichloroethane
Concen: 49.777 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

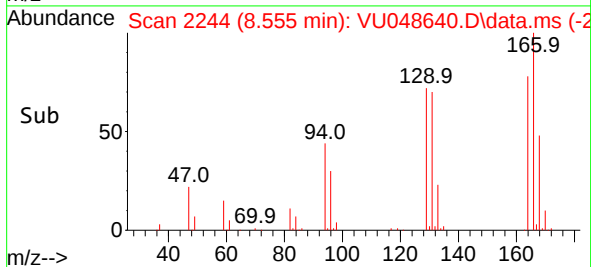
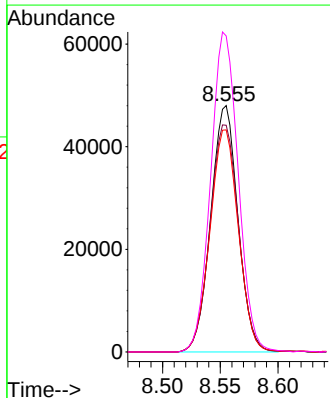
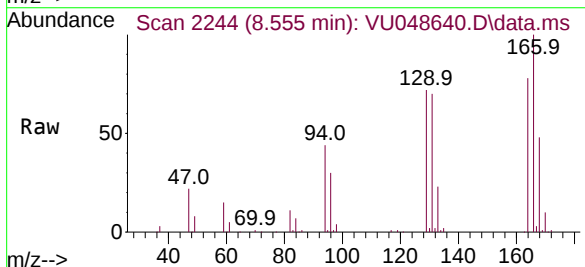
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

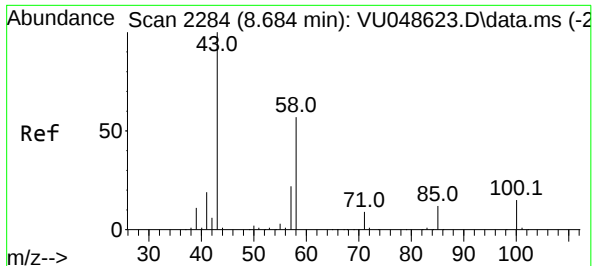
Tgt Ion:	97	Resp:	92441
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.2	78.4
83	80.3	58.4	108.6
85	53.4	38.2	71.0



#46
Tetrachloroethene
Concen: 49.332 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion:	164	Resp:	78989
Ion	Ratio	Lower	Upper
164	100		
129	92.0	64.3	119.3
131	90.2	64.5	119.7
166	128.3	87.5	162.5





#48

2-Hexanone

Concen: 87.775 ug/L

RT: 8.684 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD050135

Tgt Ion: 43 Resp: 199027

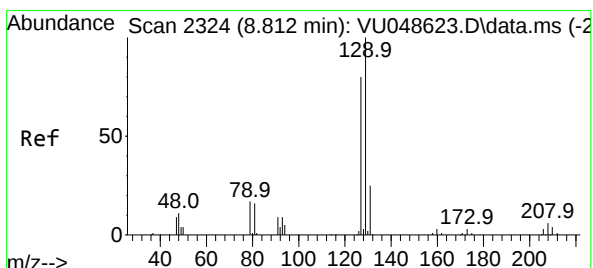
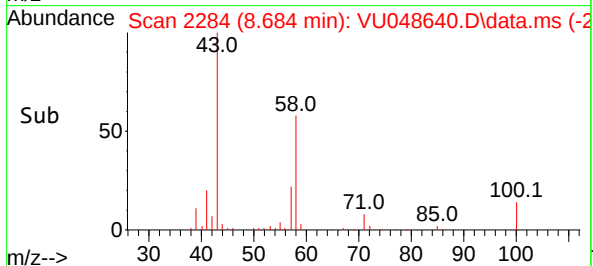
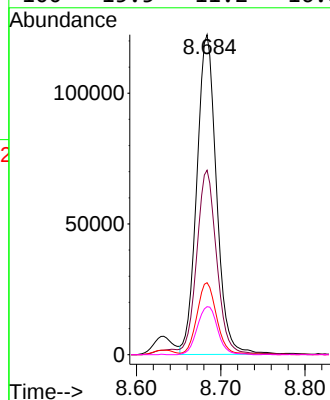
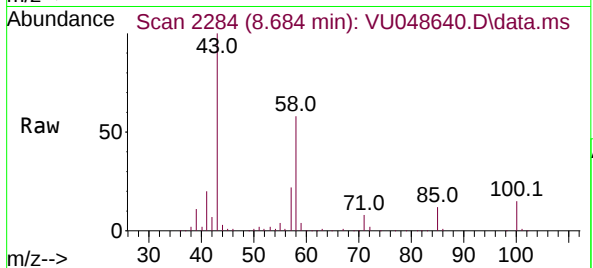
Ion Ratio Lower Upper

43 100

58 57.3 45.8 68.6

57 22.5 16.8 25.2

100 15.5 11.2 16.8



#49

Dibromochloromethane

Concen: 50.630 ug/L

RT: 8.809 min Scan# 2323

Delta R.T. -0.003 min

Lab File: VU048640.D

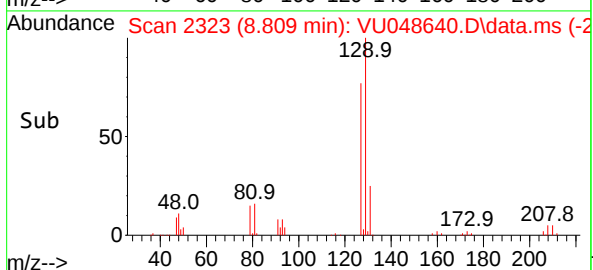
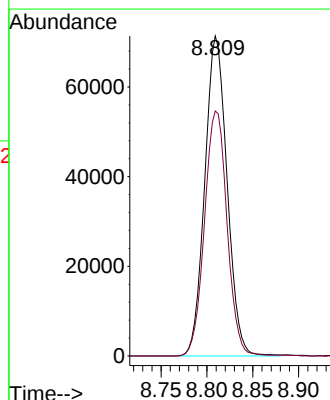
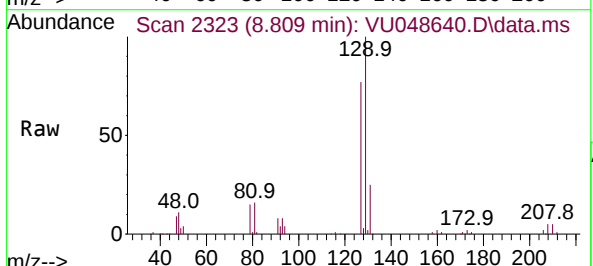
Acq: 19 May 2022 19:14

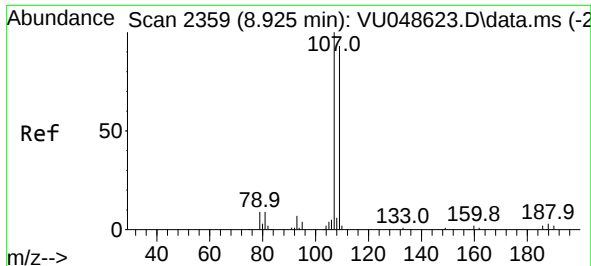
Tgt Ion: 129 Resp: 120885

Ion Ratio Lower Upper

129 100

127 76.5 53.1 98.5





#50

1,2-Dibromoethane

Concen: 49.022 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD050135

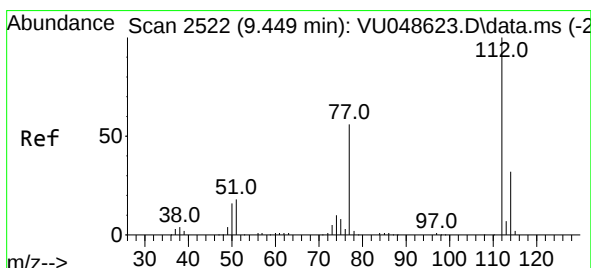
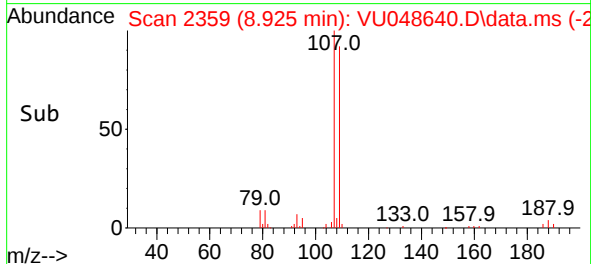
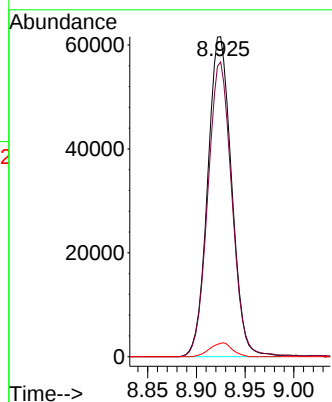
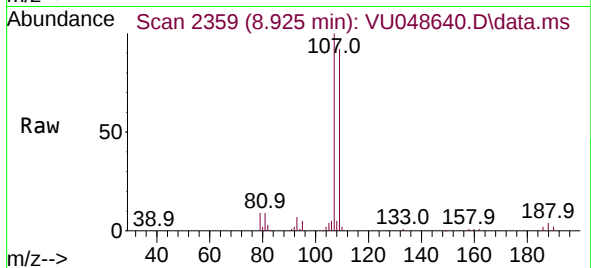
Tgt Ion:107 Resp: 105067

Ion Ratio Lower Upper

107 100

109 92.1 67.5 125.3

188 4.2 3.4 5.2



#51

Chlorobenzene

Concen: 49.483 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.003 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

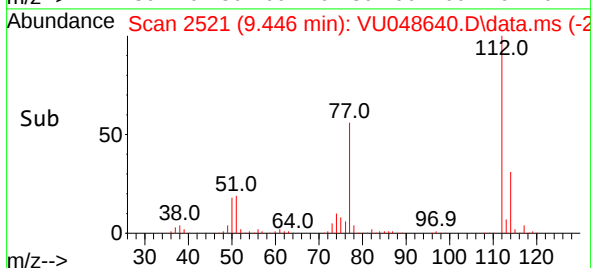
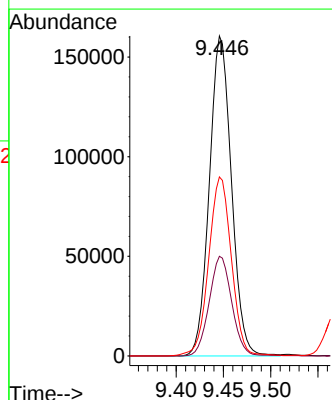
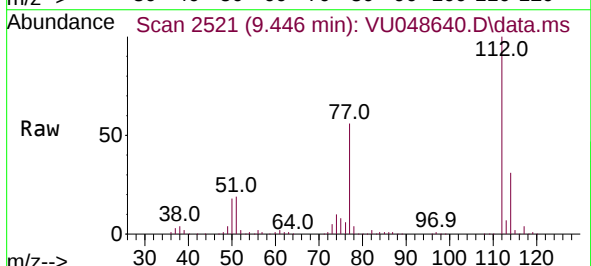
Tgt Ion:112 Resp: 260889

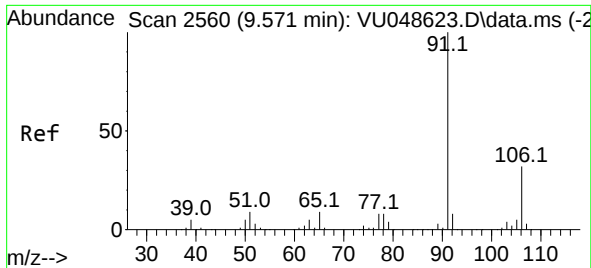
Ion Ratio Lower Upper

112 100

114 31.1 22.3 41.5

77 56.0 46.5 69.7

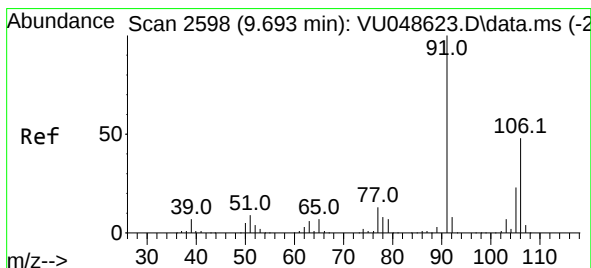
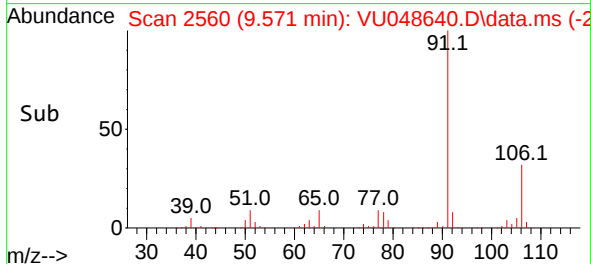
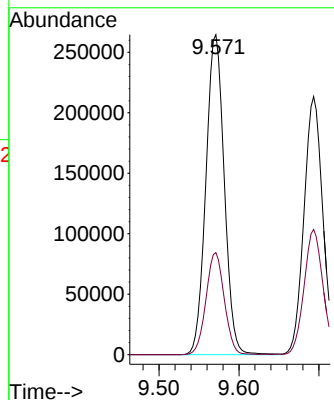
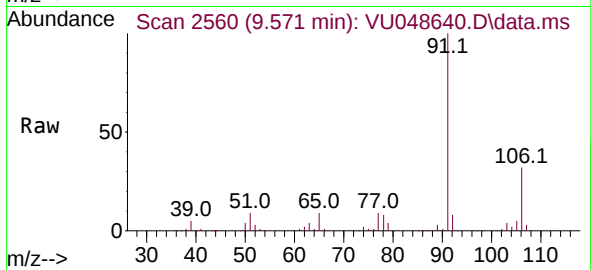




#52
Ethylbenzene
Concen: 48.913 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

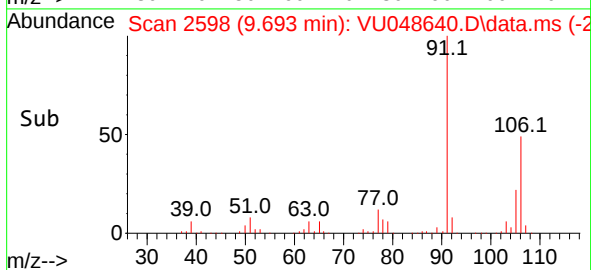
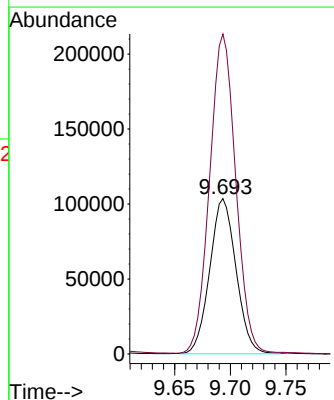
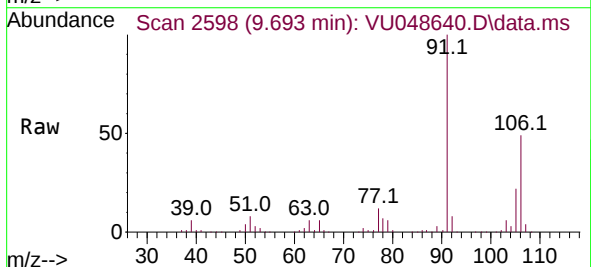
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

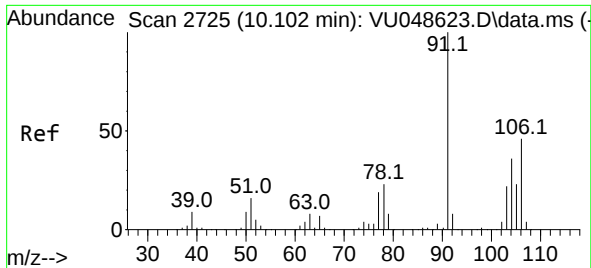
Tgt Ion: 91 Resp: 422544
Ion Ratio Lower Upper
91 100
106 31.9 21.8 40.6



#53
m,p-Xylene
Concen: 48.995 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion: 106 Resp: 170091
Ion Ratio Lower Upper
106 100
91 205.9 141.8 263.4

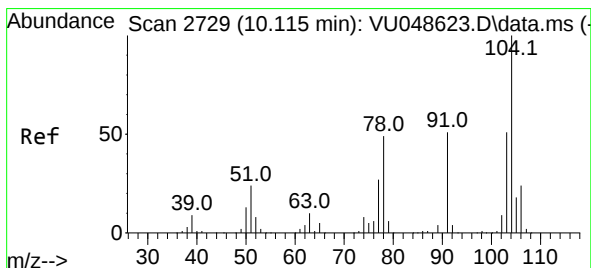
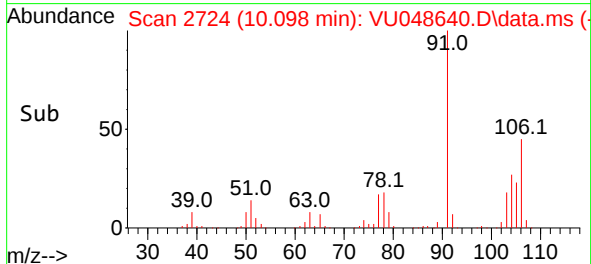
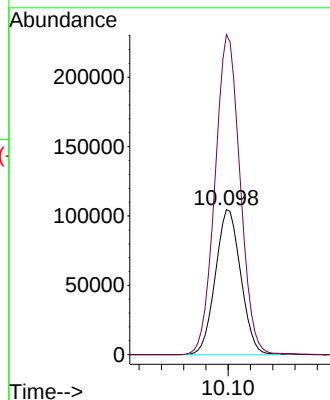
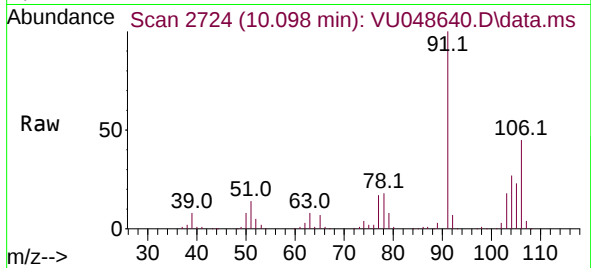




#54
o-Xylene
Concen: 49.814 ug/L
RT: 10.098 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

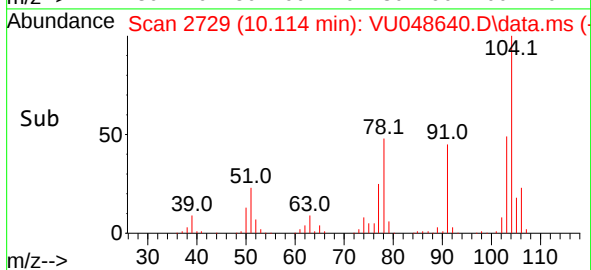
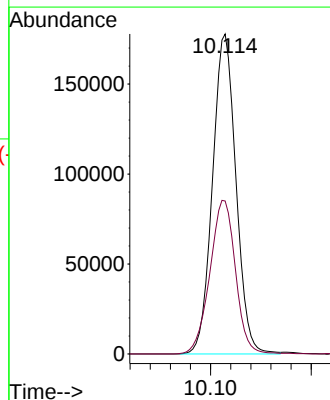
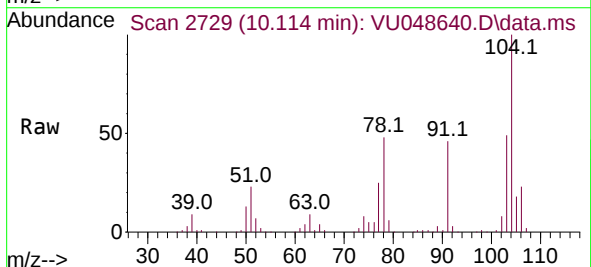
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

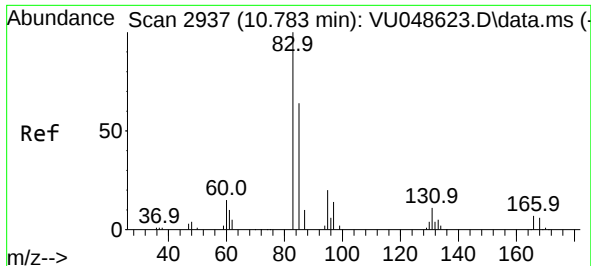
Tgt Ion:106 Resp: 165674
Ion Ratio Lower Upper
106 100
91 220.5 150.1 278.9



#55
Styrene
Concen: 49.820 ug/L
RT: 10.114 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion:104 Resp: 288089
Ion Ratio Lower Upper
104 100
78 47.8 32.7 60.7

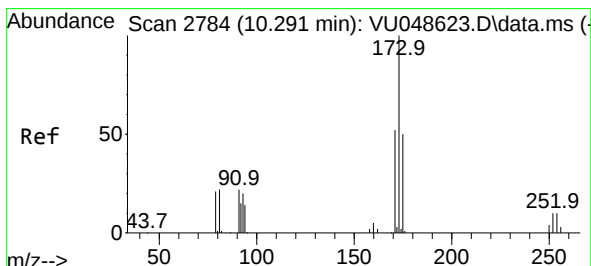
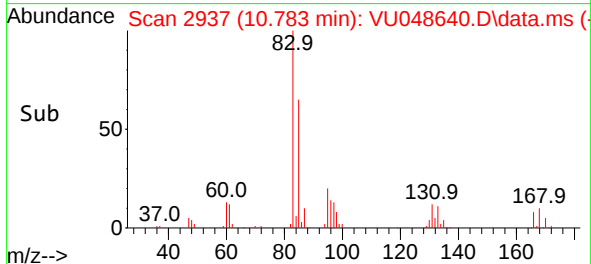
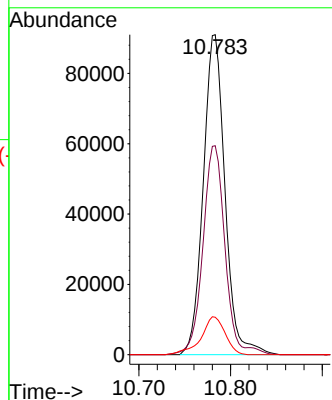
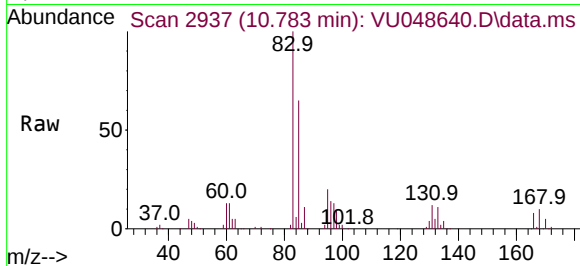




#57
1,1,2,2-Tetrachloroethane
Concen: 46.719 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

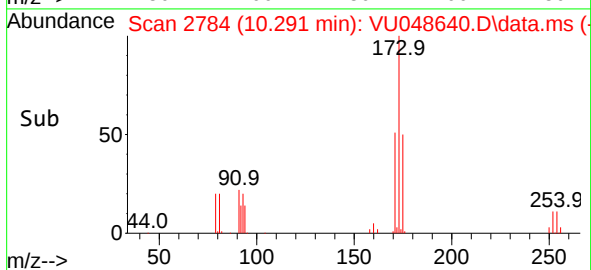
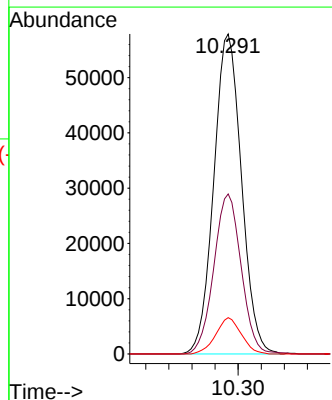
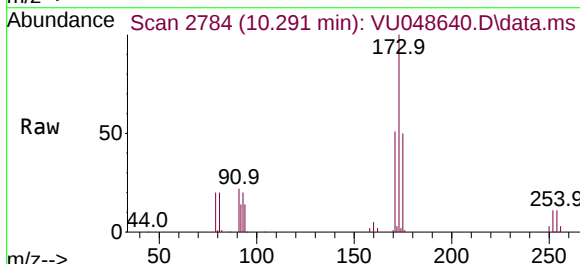
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

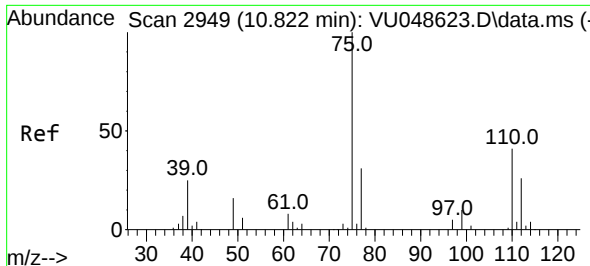
Tgt Ion: 83 Resp: 149948
Ion Ratio Lower Upper
83 100
85 65.3 44.1 81.9
131 11.7 8.9 13.3



#59
Bromoform
Concen: 48.264 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion:173 Resp: 96266
Ion Ratio Lower Upper
173 100
175 49.4 38.2 57.4
254 10.5 7.7 11.5

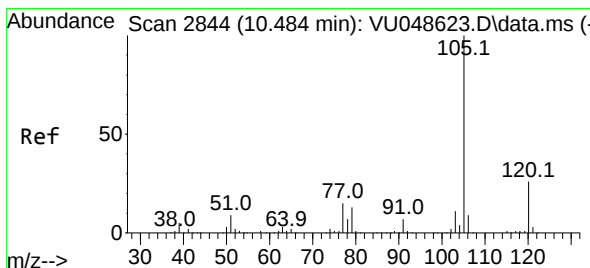
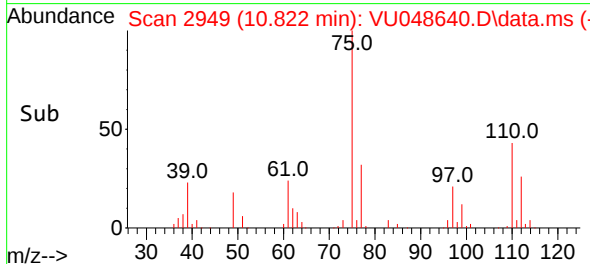
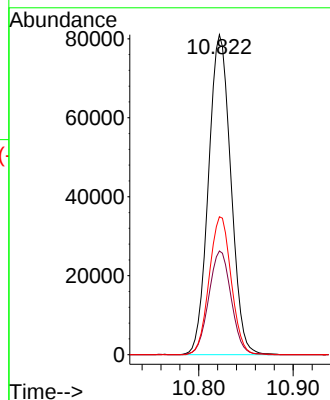
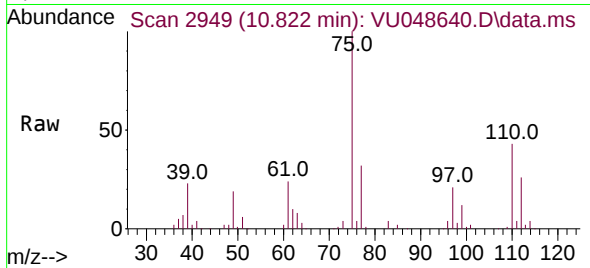




#60
1,2,3-Trichloropropane
Concen: 46.275 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

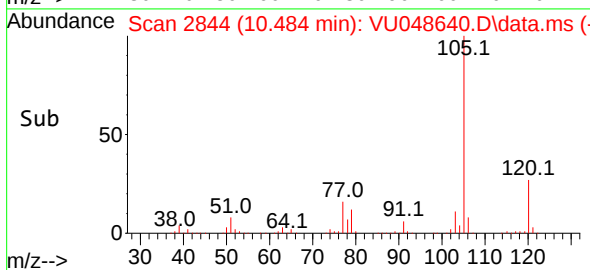
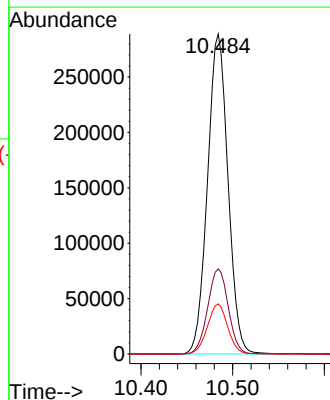
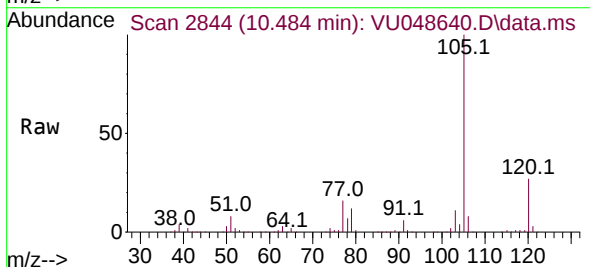
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

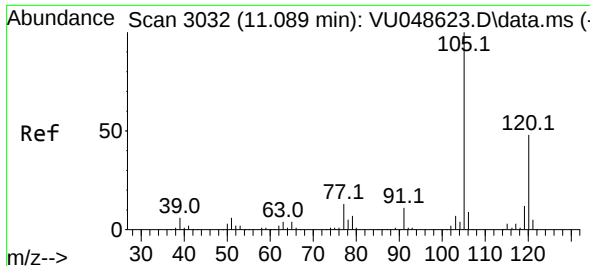
Tgt Ion: 75 Resp: 133168
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0
110 42.4 32.1 48.1



#61
Isopropylbenzene
Concen: 50.084 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion: 105 Resp: 447570
Ion Ratio Lower Upper
105 100
120 26.7 21.0 31.6
77 15.5 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 50.803 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048640.D

Acq: 19 May 2022 19:14

Instrument :

MSVOA_U

ClientSampleId :

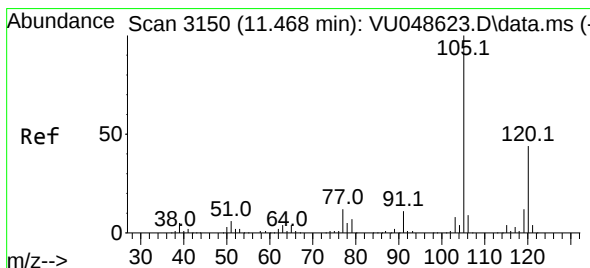
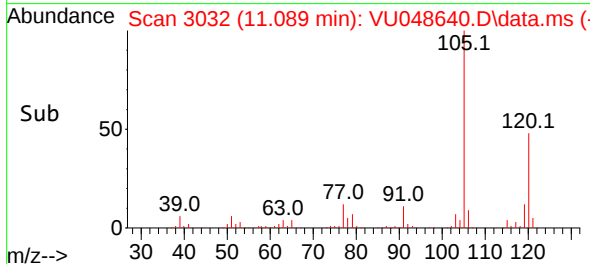
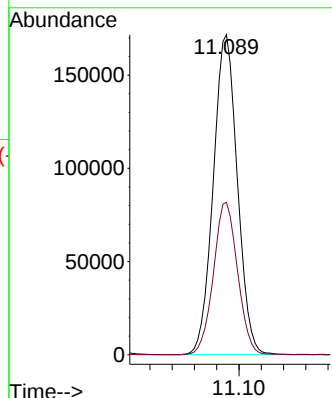
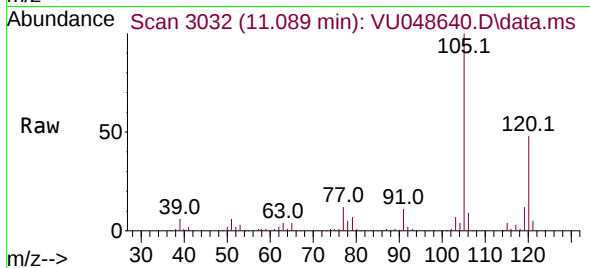
VSTD050135

Tgt Ion:105 Resp: 258101

Ion Ratio Lower Upper

105 100

120 47.6 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 51.388 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048640.D

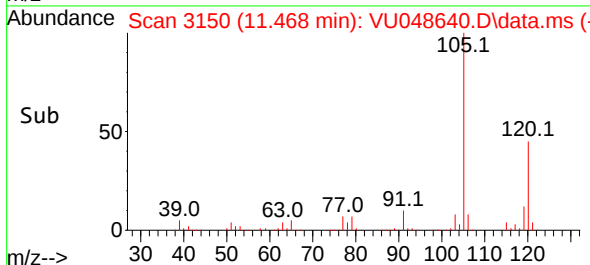
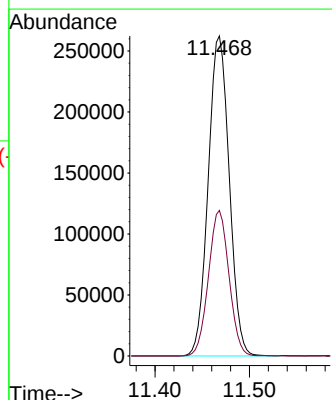
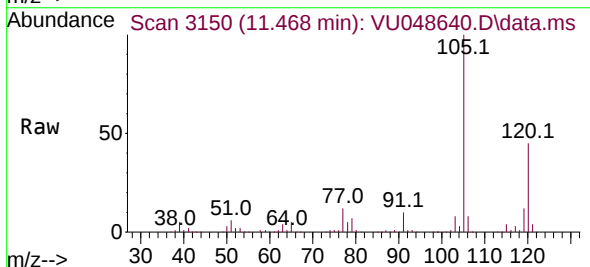
Acq: 19 May 2022 19:14

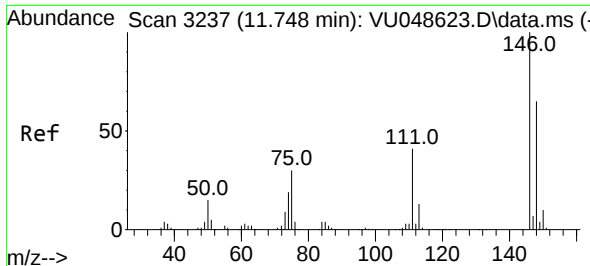
Tgt Ion:105 Resp: 405966

Ion Ratio Lower Upper

105 100

120 44.4 35.4 53.2

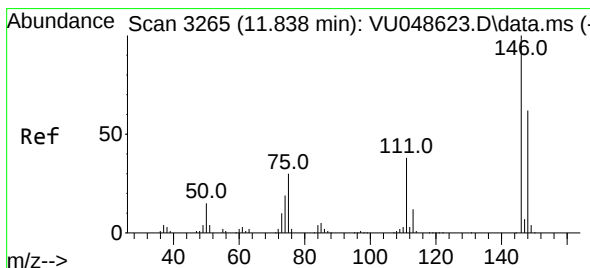
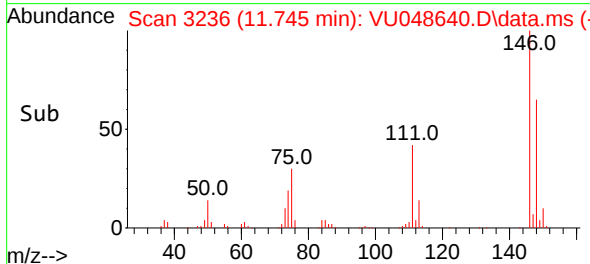
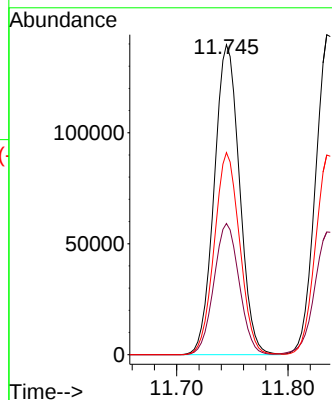
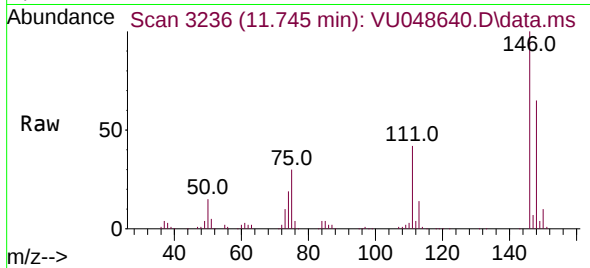




#64
1,3-Dichlorobenzene
Concen: 47.900 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

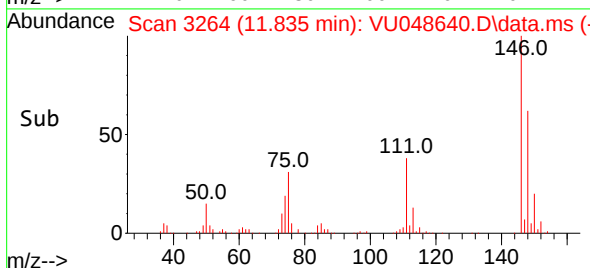
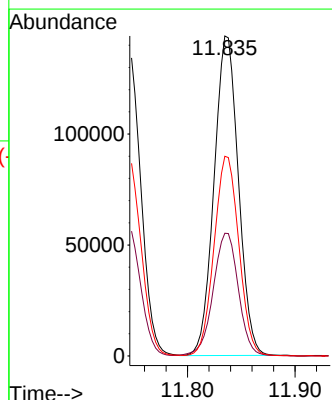
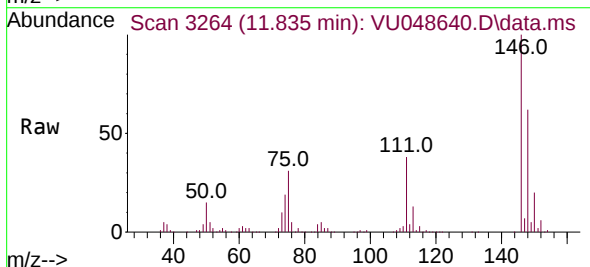
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

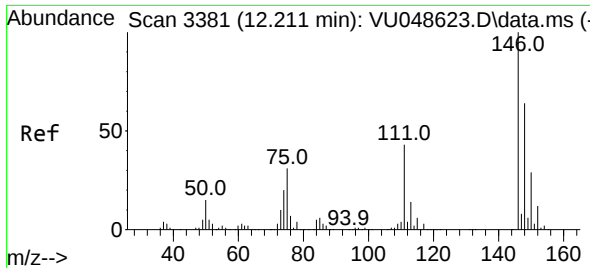
Tgt Ion:146 Resp: 220744
Ion Ratio Lower Upper
146 100
111 42.3 28.7 53.3
148 65.2 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 47.311 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion:146 Resp: 226248
Ion Ratio Lower Upper
146 100
111 38.4 27.6 51.2
148 62.4 44.2 82.2

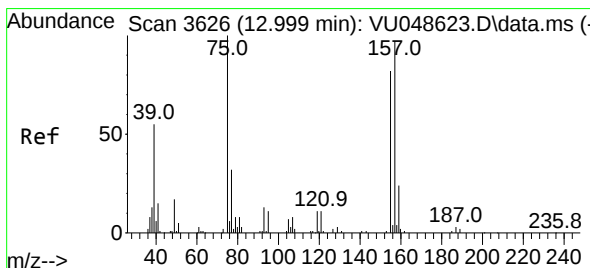
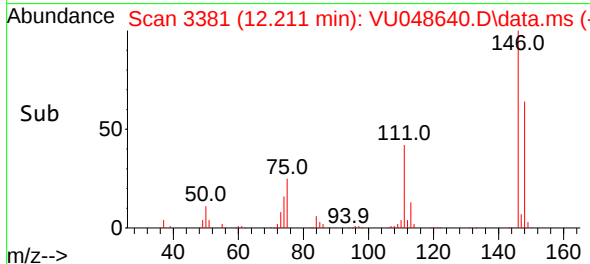
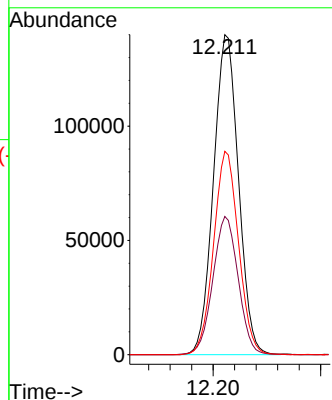
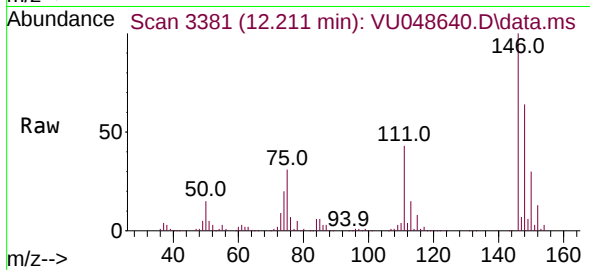




#67
1,2-Dichlorobenzene
Concen: 48.190 ug/L
RT: 12.211 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

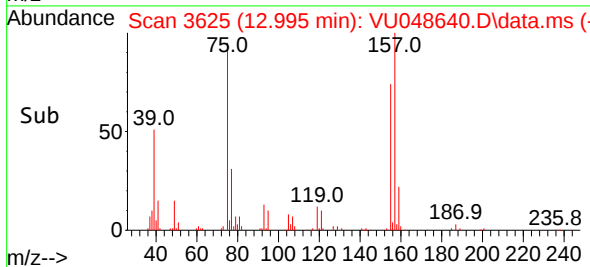
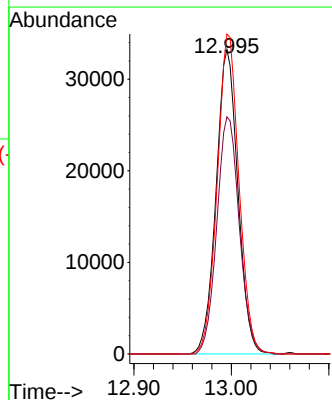
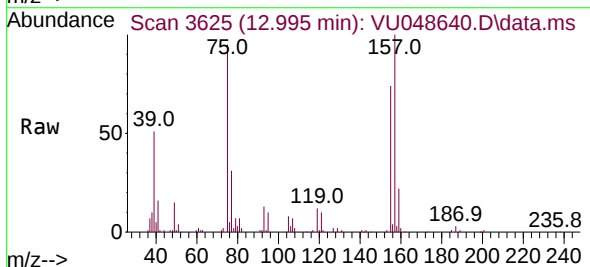
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

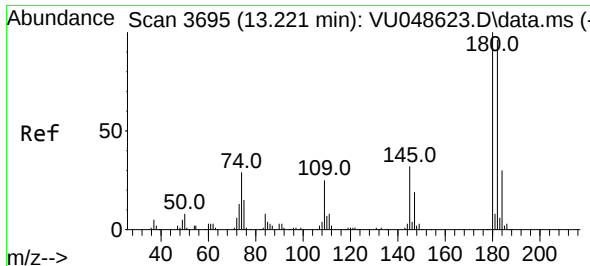
Tgt Ion:146 Resp: 225881
Ion Ratio Lower Upper
146 100
111 43.2 34.1 51.1
148 63.6 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 46.455 ug/L
RT: 12.995 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion: 75 Resp: 51688
Ion Ratio Lower Upper
75 100
155 77.9 63.5 95.3
157 105.2 83.5 125.3

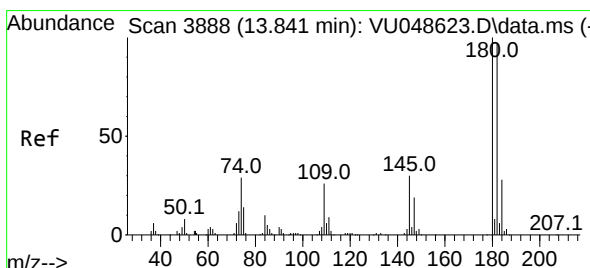
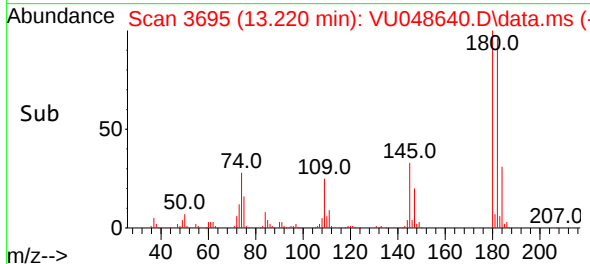
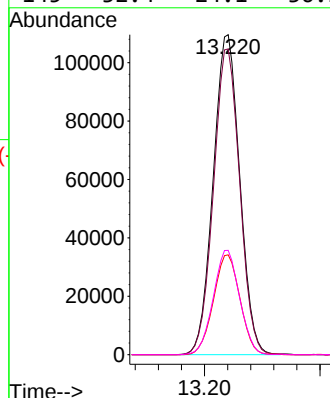
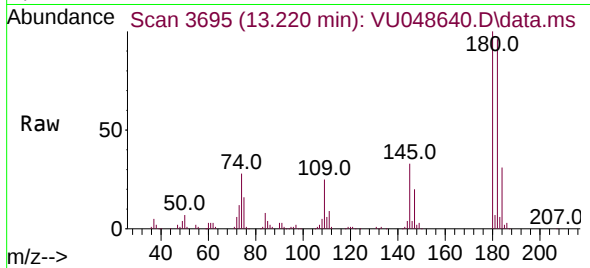




#69
1,3,5-Trichlorobenzene
Concen: 47.586 ug/L
RT: 13.220 min Scan# 3695
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

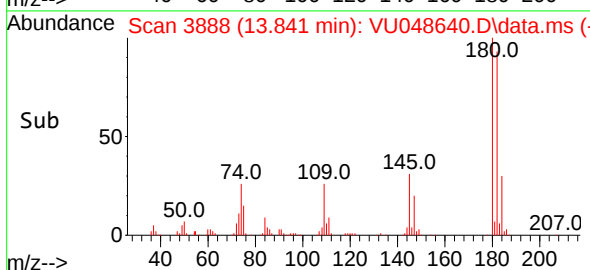
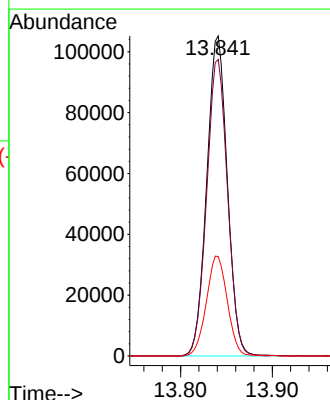
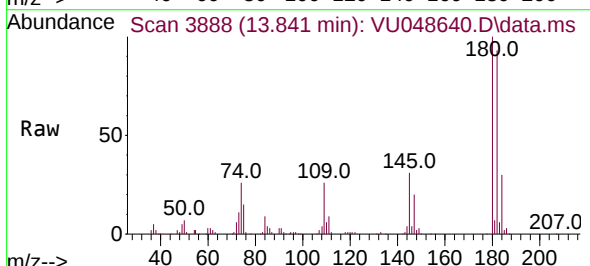
Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

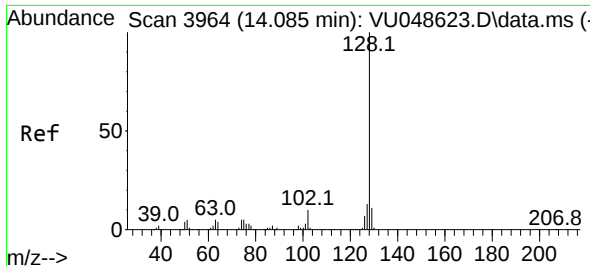
Tgt Ion:	180	Resp:	174789
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.6
184	31.2	23.4	35.2
145	32.4	24.1	36.1



#70
1,2,4-trichlorobenzene
Concen: 49.373 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion:	180	Resp:	164025
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.8	113.8
145	31.8	24.9	37.3

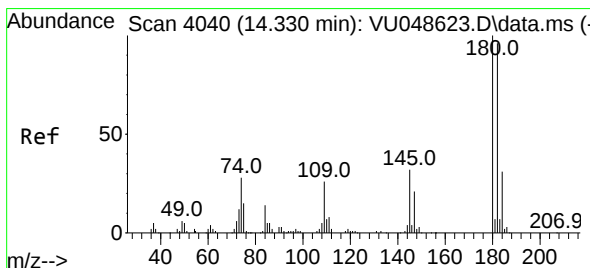
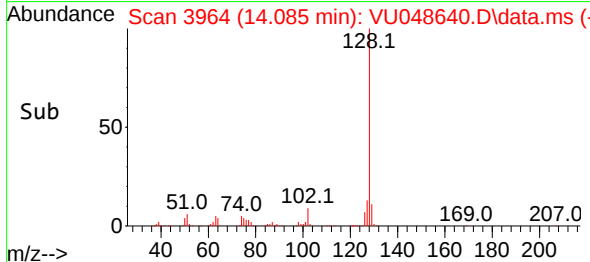
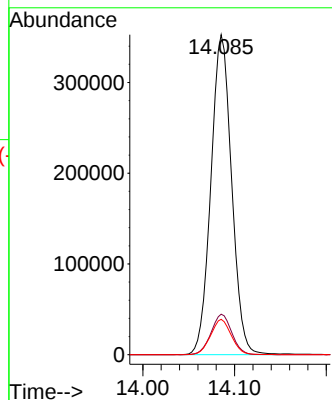
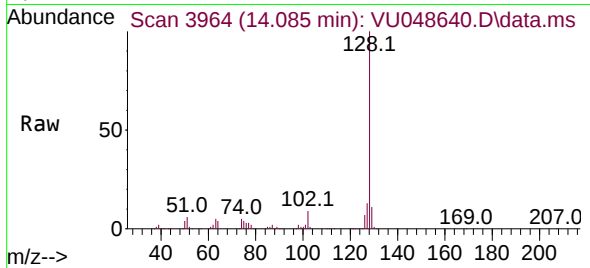




#71
Naphthalene
Concen: 50.592 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD050135

Tgt Ion:	128	Resp:	554195
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	11.0	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 49.954 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048640.D
Acq: 19 May 2022 19:14

Tgt Ion:	180	Resp:	166618
Ion Ratio	Lower	Upper	
180	100		
182	97.5	75.6	113.4
145	33.4	27.1	40.7

