

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051622\
 Data File : VU048595.D
 Acq On : 16 May 2022 21:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

Quant Time: May 17 07:03:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 17 06:52:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	241097	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	236690	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	143702	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	62065	42.030	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.060%
7) Chloroethane-d5	1.912	69	49021	44.310	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.620%
11) 1,1-Dichloroethene-d2	2.571	63	150758	45.142	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.280%
21) 2-Butanone-d5	4.620	46	127362	90.632	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.630%
24) Chloroform-d	5.067	84	177105	47.461	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.920%
26) 1,2-Dichloroethane-d4	5.703	65	123127	46.770	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.540%
32) Benzene-d6	5.729	84	302403	45.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.820%
36) 1,2-Dichloropropane-d6	6.690	67	87643	45.321	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.640%
41) Toluene-d8	7.899	98	294138	47.472	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.940%
43) trans-1,3-Dichloroprop...	8.179	79	53339	43.134	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.260%
47) 2-Hexanone-d5	8.632	63	94388	89.001	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.000%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	146761	45.864	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.720%
66) 1,2-Dichlorobenzene-d4	12.195	152	131279	44.688	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	122633	47.332	ug/L	99
3) Chloromethane	1.523	50	73038	45.688	ug/L	99
5) Vinyl chloride	1.604	62	79079	46.501	ug/L	98
6) Bromomethane	1.854	94	57076	46.490	ug/L	99
8) Chloroethane	1.932	64	48114	48.068	ug/L	100
9) Trichlorofluoromethane	2.141	101	163309	49.191	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	82607	48.797	ug/L	98
12) 1,1-Dichloroethene	2.581	96	74987	47.803	ug/L	97
13) Acetone	2.623	43	90629	79.382	ug/L	99
14) Carbon disulfide	2.797	76	208849	45.879	ug/L	99
15) Methyl Acetate	2.948	43	89675	46.023	ug/L	98
16) Methylene chloride	3.047	84	86773	47.515	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	81446	48.139	ug/L	96
18) Methyl tert-butyl Ether	3.362	73	290215	49.441	ug/L	100
19) 1,1-Dichloroethane	3.870	63	151548	48.927	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	94219	49.381	ug/L	96
22) 2-Butanone	4.700	43	131074	90.420	ug/L	97
23) Bromochloromethane	4.976	128	52292	49.390	ug/L	97
25) Chloroform	5.089	83	178979	49.504	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051622\
 Data File : VU048595.D
 Acq On : 16 May 2022 21:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

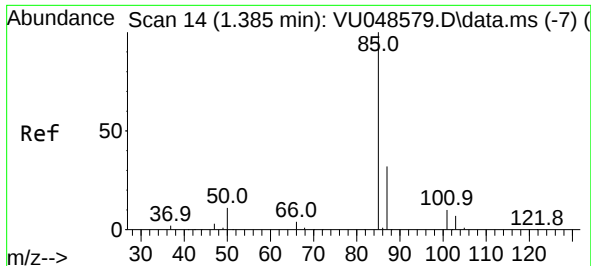
Quant Time: May 17 07:03:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 17 06:52:50 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	154511	49.818	ug/L	99
29) Cyclohexane	5.391	56	115131	47.358	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	177815	49.616	ug/L	98
31) Carbon tetrachloride	5.526	117	161659	49.496	ug/L	98
33) Benzene	5.774	78	340186	49.195	ug/L	100
34) Trichloroethene	6.542	95	93648	47.867	ug/L	98
35) Methylcyclohexane	6.764	83	136095	48.476	ug/L	99
37) 1,2-Dichloropropane	6.790	63	82568	47.753	ug/L	98
38) Bromodichloromethane	7.105	83	137455	49.134	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	144156	48.832	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	250063	94.770	ug/L	99
42) Toluene	7.970	91	375375	49.804	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	151361	48.618	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	89713	48.450	ug/L	98
46) Tetrachloroethene	8.555	164	79510	49.804	ug/L	98
48) 2-Hexanone	8.684	43	206163	91.191	ug/L	98
49) Dibromochloromethane	8.809	129	119910	50.370	ug/L	97
50) 1,2-Dibromoethane	8.925	107	104702	48.996	ug/L	98
51) Chlorobenzene	9.446	112	252785	48.088	ug/L	100
52) Ethylbenzene	9.571	91	418713	48.613	ug/L	99
53) m,p-Xylene	9.693	106	167701	48.449	ug/L	95
54) o-Xylene	10.102	106	163376	49.268	ug/L	95
55) Styrene	10.115	104	287480	49.861	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	156800	48.998	ug/L	98
59) Bromoform	10.291	173	97745	49.483	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	138975	48.764	ug/L	99
61) Isopropylbenzene	10.484	105	443503	50.113	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	250763	49.840	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	386833	49.444	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	216446	47.425	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	221293	46.726	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	220189	47.433	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	51630	46.855	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	165531	45.505	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	146777	44.612	ug/L	99
71) Naphthalene	14.085	128	441680	40.714	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	148643	44.999	ug/L	99

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

Quant Time: May 17 07:03:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 17 06:52:50 2022
Response via : Initial Calibration

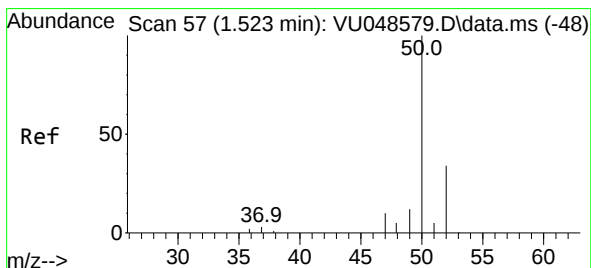
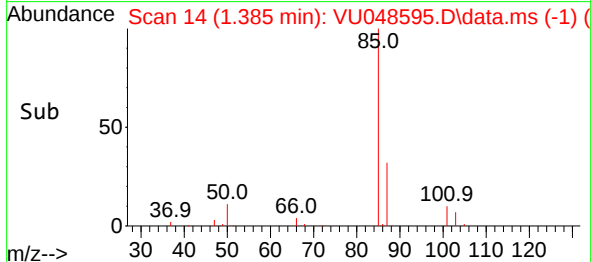
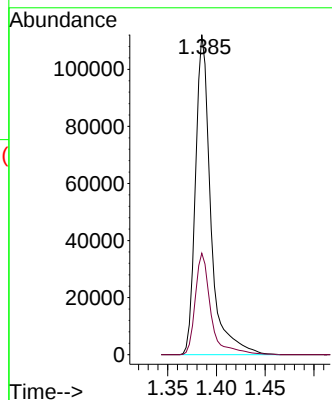
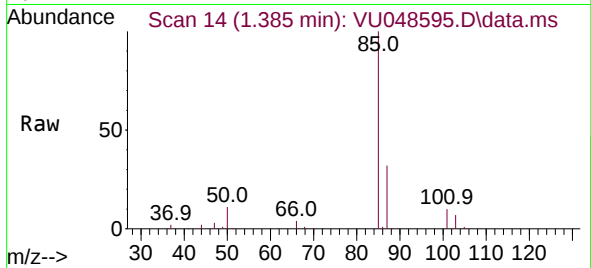




#2
Dichlorodifluoromethane
Concen: 47.332 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

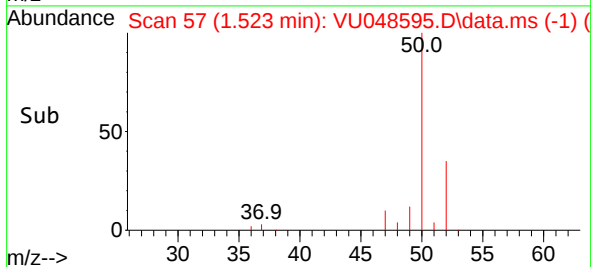
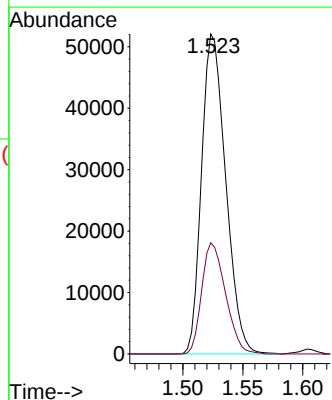
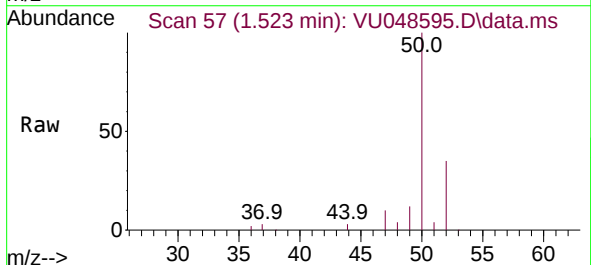
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

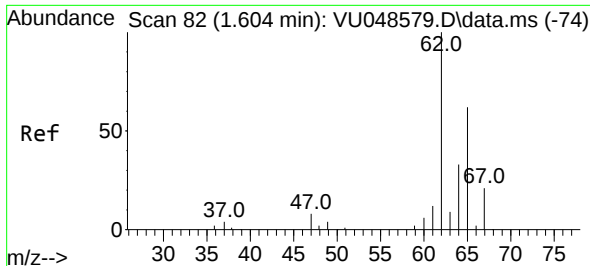
Tgt Ion: 85 Resp: 122633
Ion Ratio Lower Upper
85 100
87 32.4 25.4 38.2



#3
Chloromethane
Concen: 45.688 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion: 50 Resp: 73038
Ion Ratio Lower Upper
50 100
52 34.8 23.8 44.2

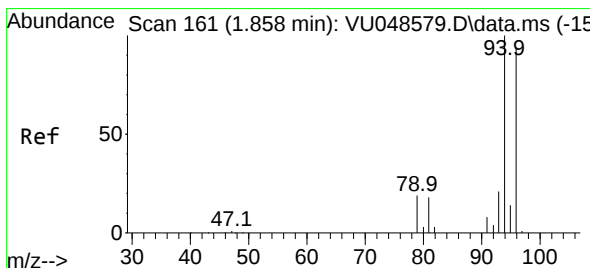
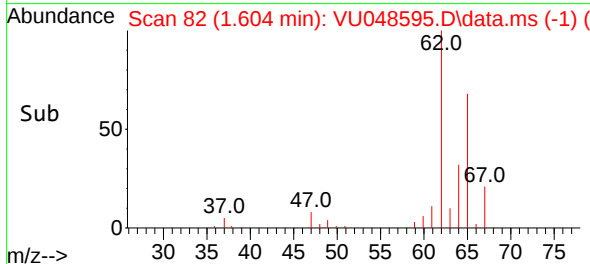
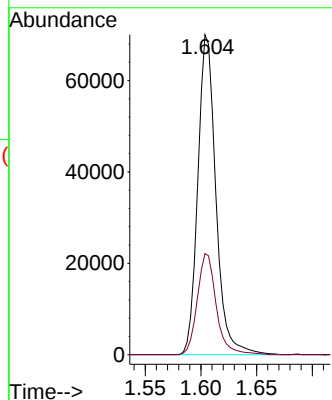
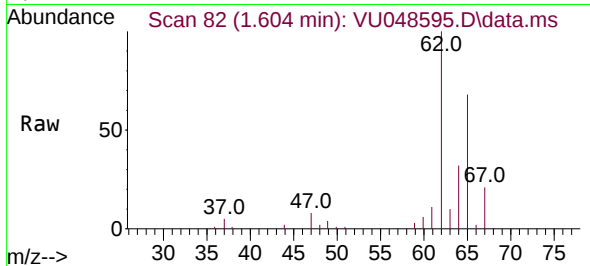




#5
 Vinyl chloride
 Concen: 46.501 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048595.D
 Acq: 16 May 2022 21:08

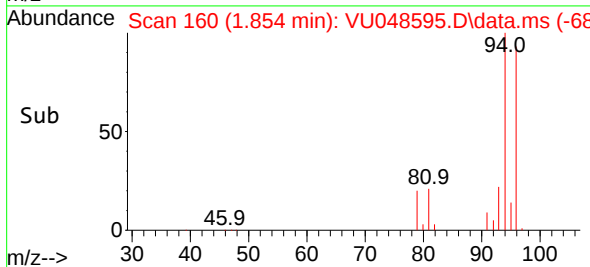
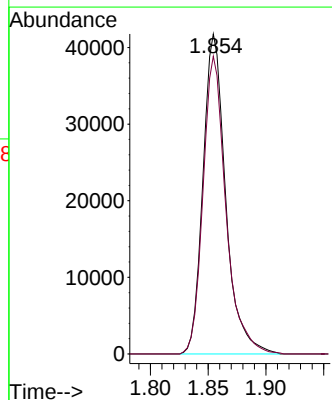
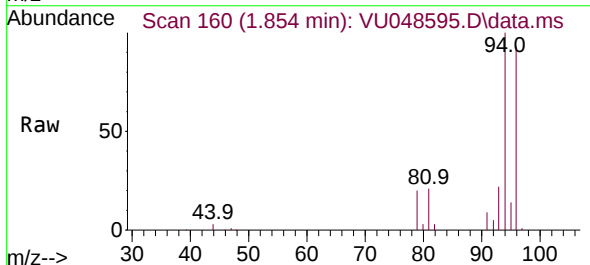
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

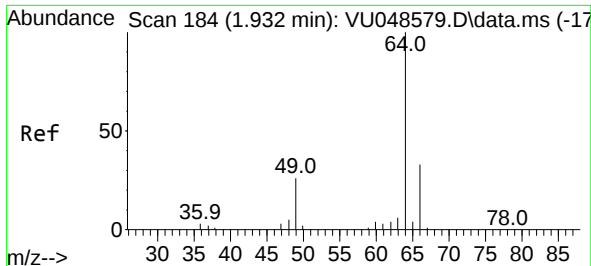
Tgt Ion: 62 Resp: 79079
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.9 42.5



#6
 Bromomethane
 Concen: 46.490 ug/L
 RT: 1.854 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU048595.D
 Acq: 16 May 2022 21:08

Tgt Ion: 94 Resp: 57076
 Ion Ratio Lower Upper
 94 100
 96 93.0 65.7 121.9

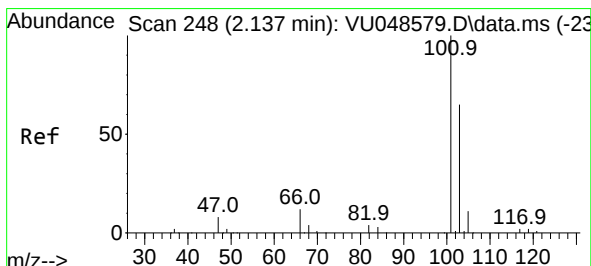
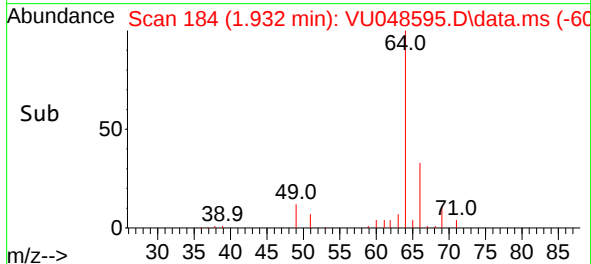
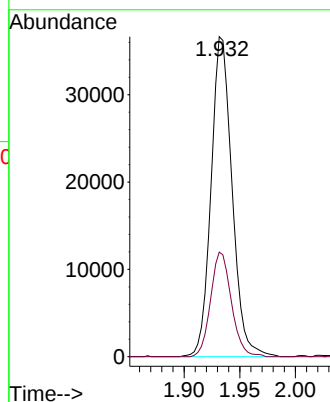
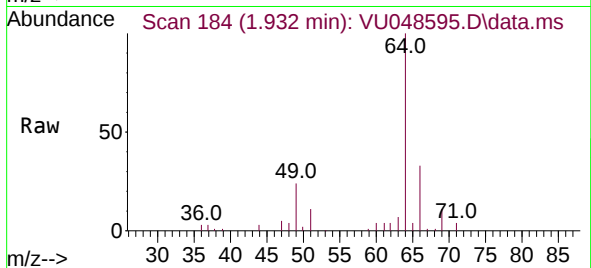




#8
Chloroethane
Concen: 48.068 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

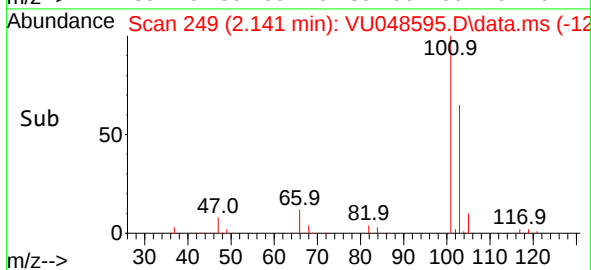
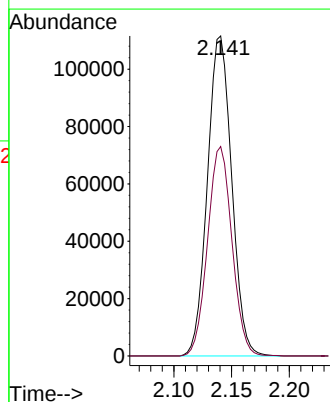
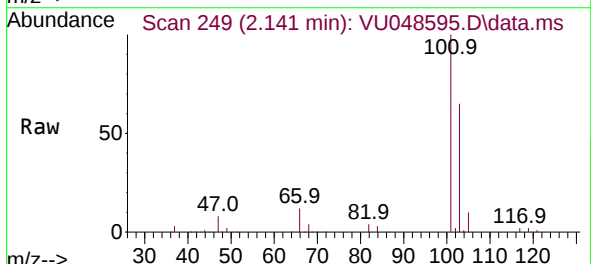
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

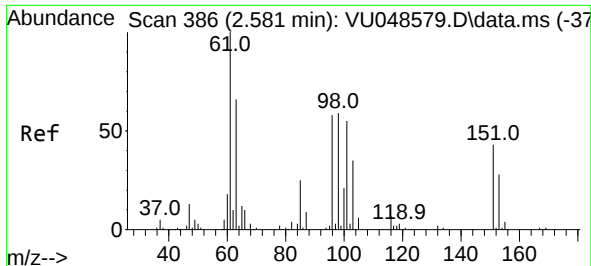
Tgt Ion: 64 Resp: 48114
Ion Ratio Lower Upper
64 100
66 32.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 49.191 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion:101 Resp: 163309
Ion Ratio Lower Upper
101 100
103 65.6 51.6 77.4

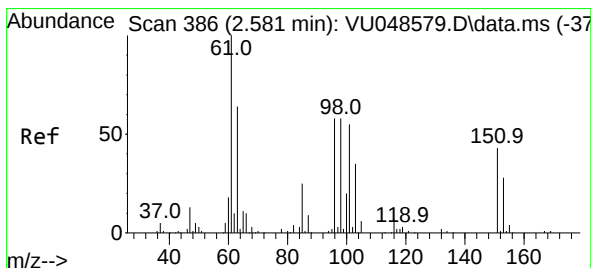
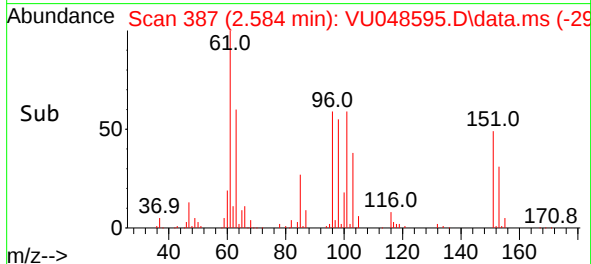
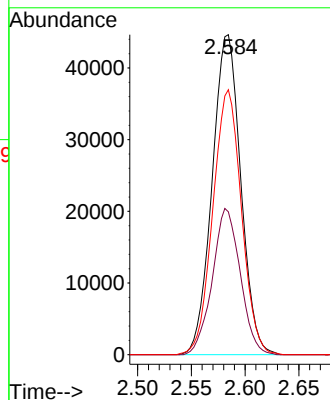
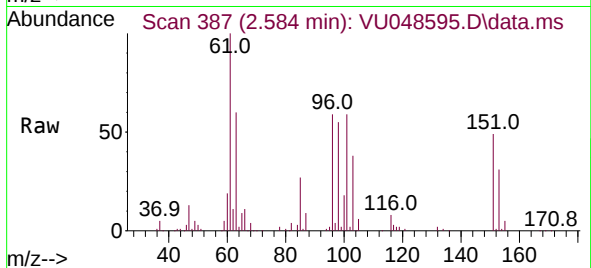




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.797 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

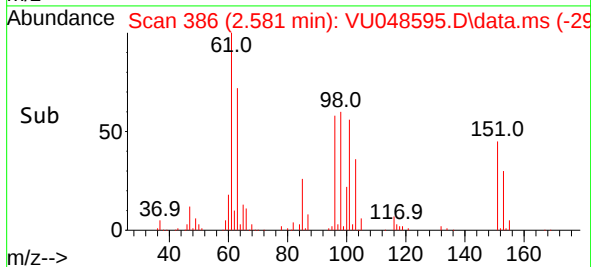
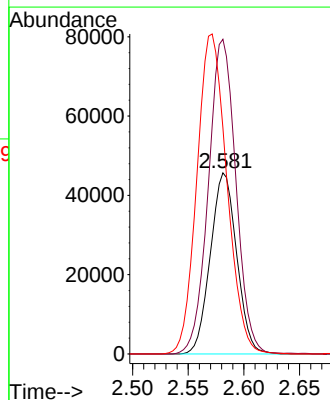
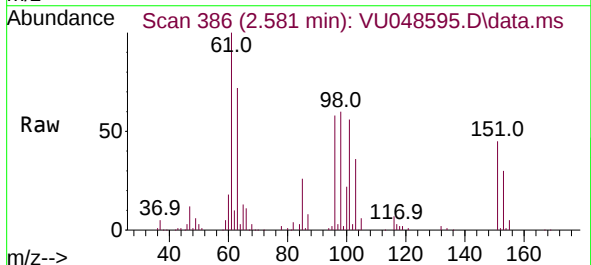
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

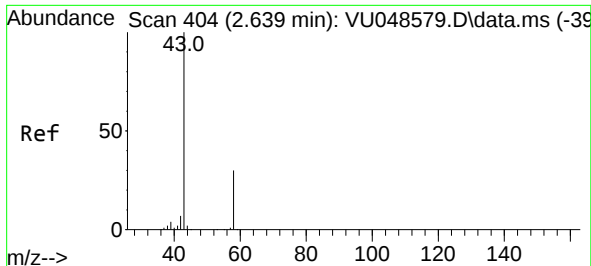
Tgt Ion:101 Resp: 82607
Ion Ratio Lower Upper
101 100
85 44.5 35.7 53.5
151 82.7 64.4 96.6



#12
1,1-Dichloroethene
Concen: 47.803 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion: 96 Resp: 74987
Ion Ratio Lower Upper
96 100
61 173.8 120.6 224.0
63 124.8 82.3 152.9





#13

Acetone

Concen: 79.382 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.016 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

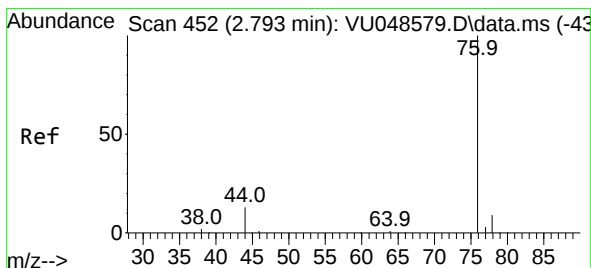
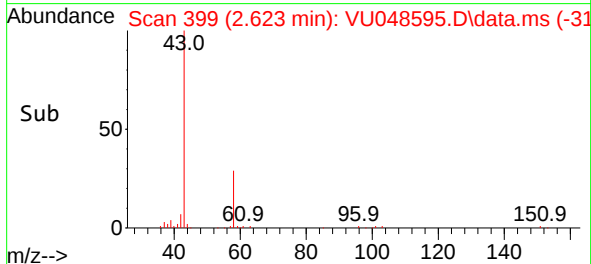
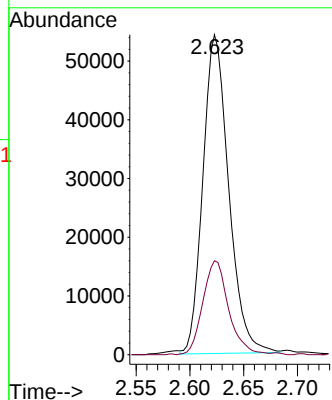
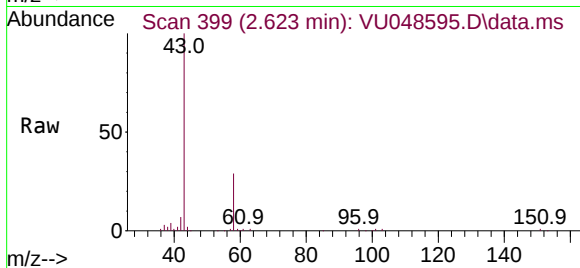
VSTD050129

Tgt Ion: 43 Resp: 90629

Ion Ratio Lower Upper

43 100

58 29.4 0.0 59.8



#14

Carbon disulfide

Concen: 45.879 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU048595.D

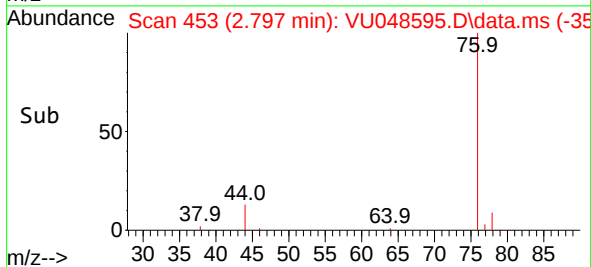
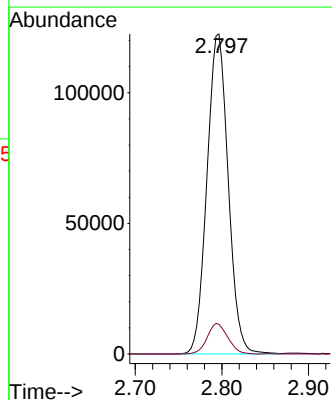
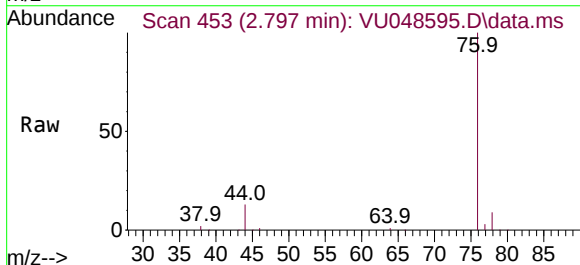
Acq: 16 May 2022 21:08

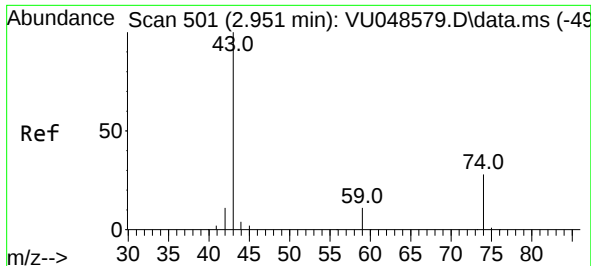
Tgt Ion: 76 Resp: 208849

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

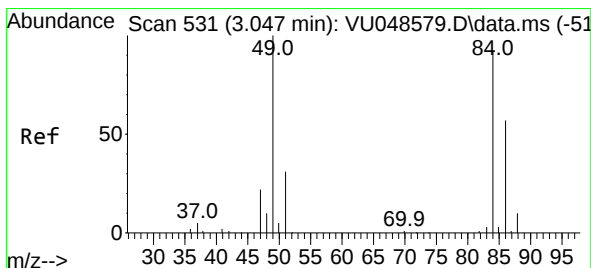
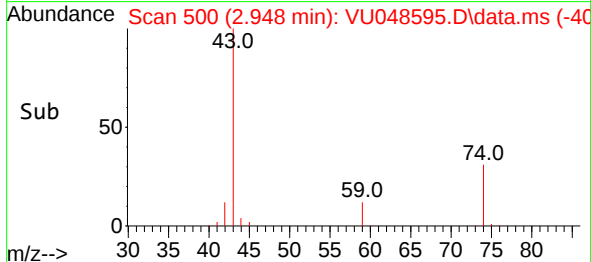
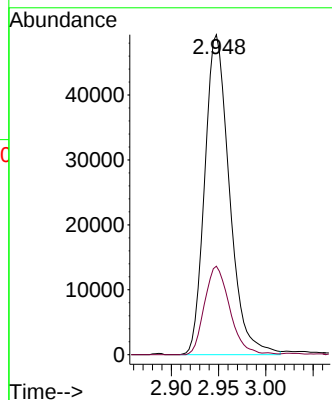
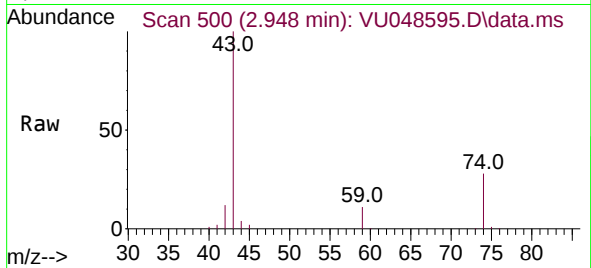




#15
Methyl Acetate
Concen: 46.023 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

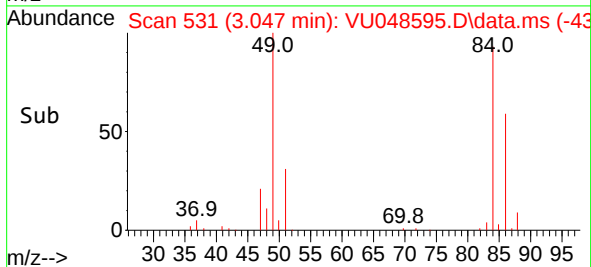
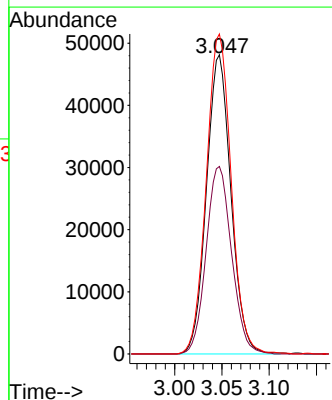
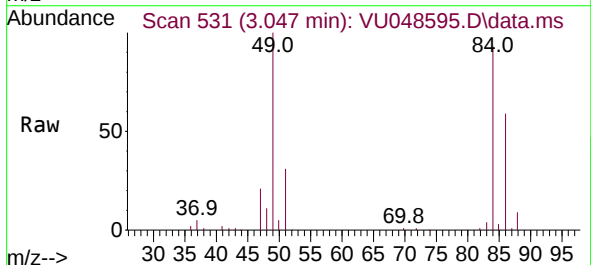
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

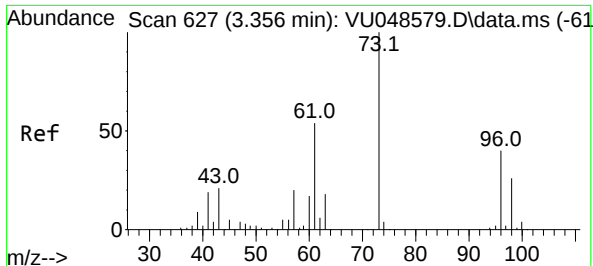
Tgt Ion: 43 Resp: 89675
Ion Ratio Lower Upper
43 100
74 28.0 21.7 32.5



#16
Methylene chloride
Concen: 47.515 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion: 84 Resp: 86773
Ion Ratio Lower Upper
84 100
86 62.7 43.5 80.9
49 107.0 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 48.139 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050129

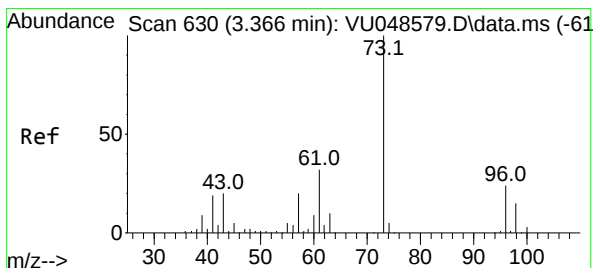
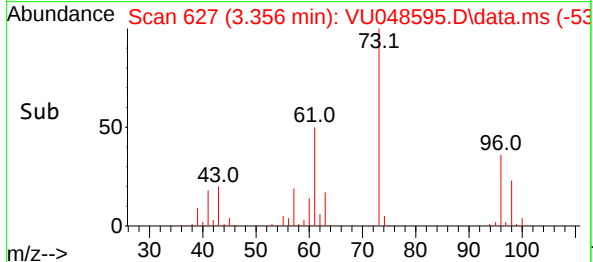
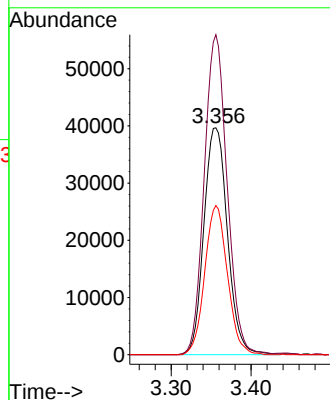
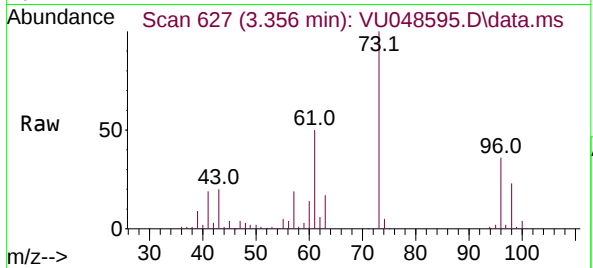
Tgt Ion: 96 Resp: 81446

Ion Ratio Lower Upper

96 100

61 141.1 94.2 175.0

98 65.7 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 49.441 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

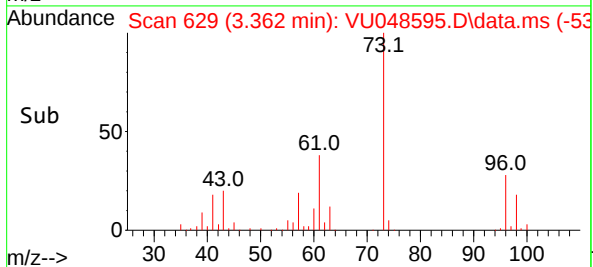
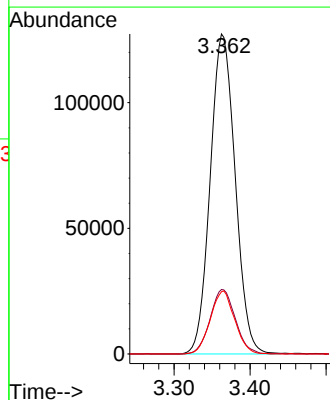
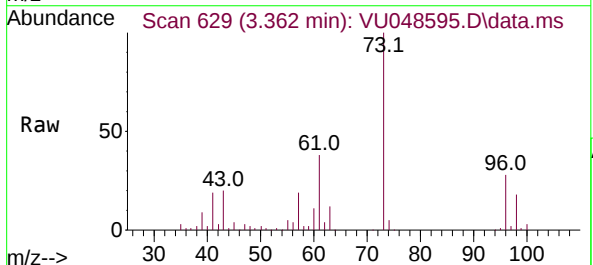
Tgt Ion: 73 Resp: 290215

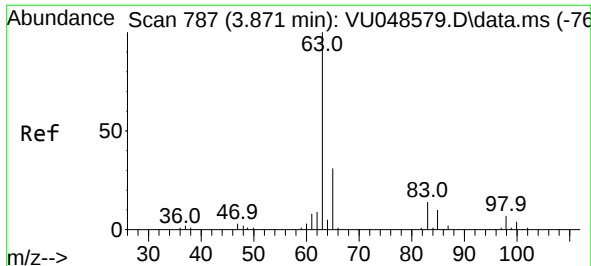
Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.4

57 19.3 15.7 23.5





#19

1,1-Dichloroethane

Concen: 48.927 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050129

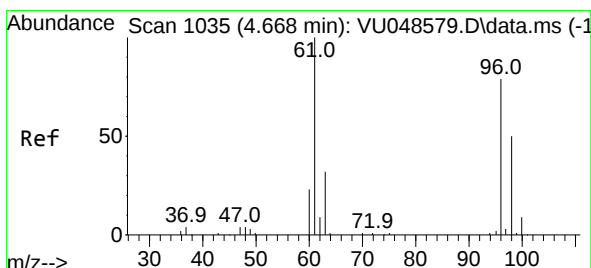
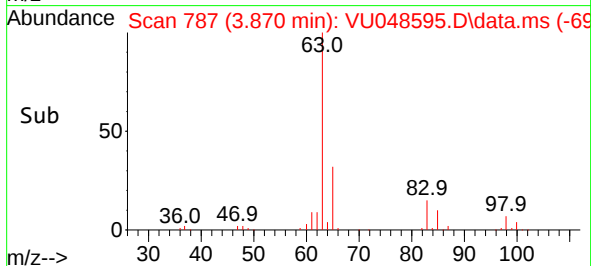
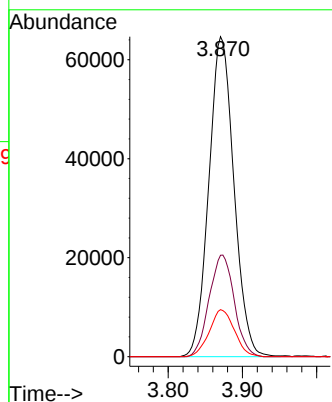
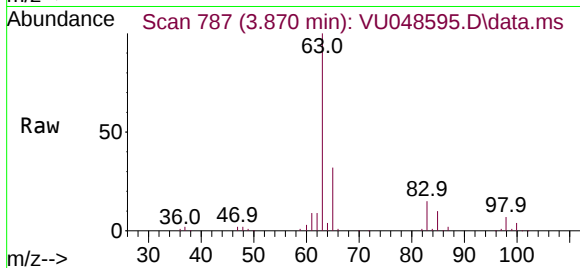
Tgt Ion: 63 Resp: 151548

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

83 14.7 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 49.381 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

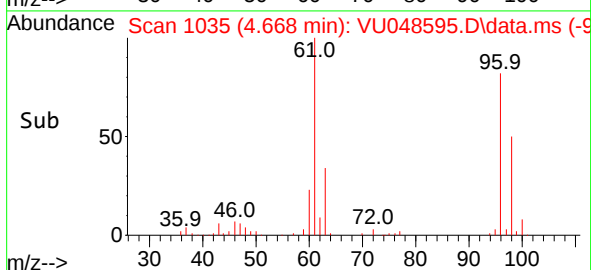
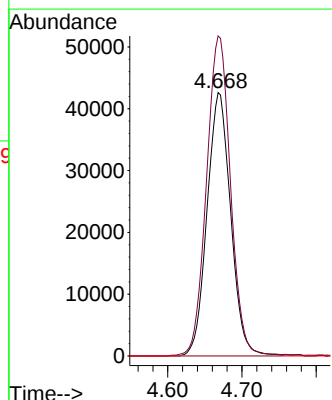
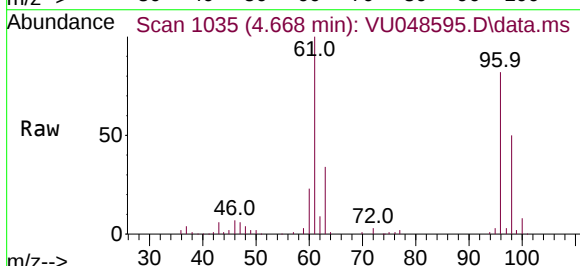
Tgt Ion: 96 Resp: 94219

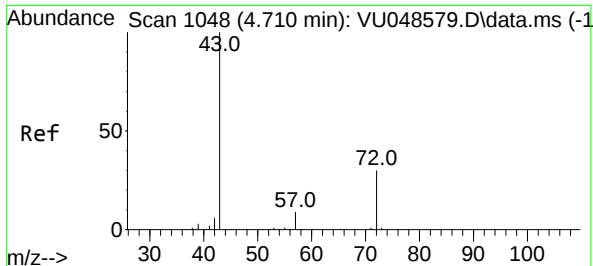
Ion Ratio Lower Upper

96 100

61 121.5 88.3 164.1

68 0.0 0.0 0.0

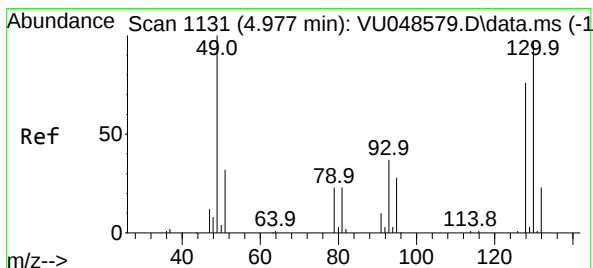
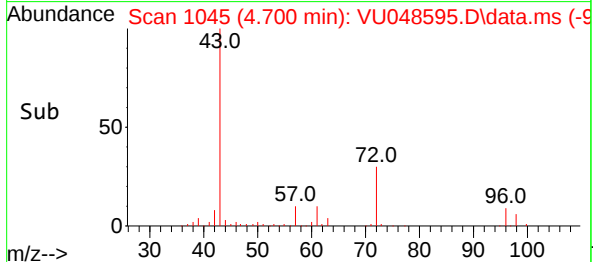
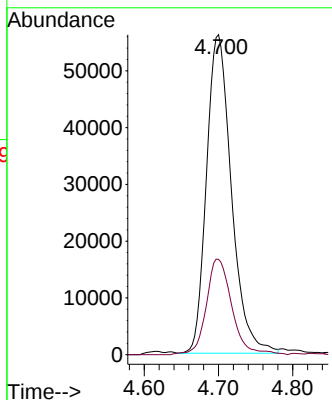
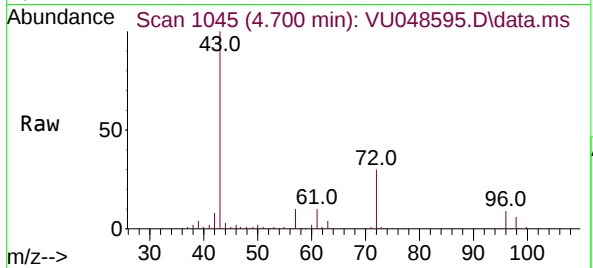




#22
2-Butanone
Concen: 90.420 ug/L
RT: 4.700 min Scan# 1048
Delta R.T. -0.010 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

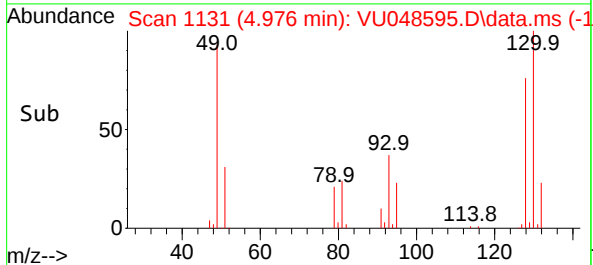
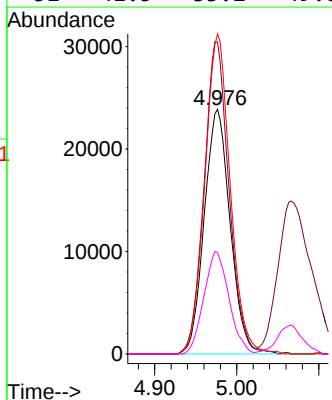
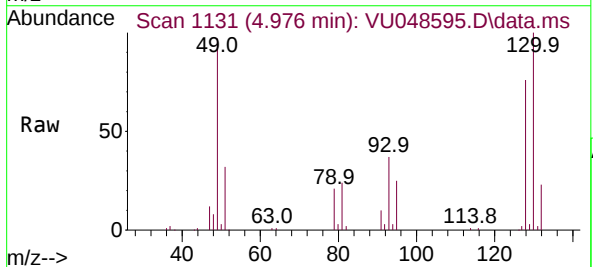
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

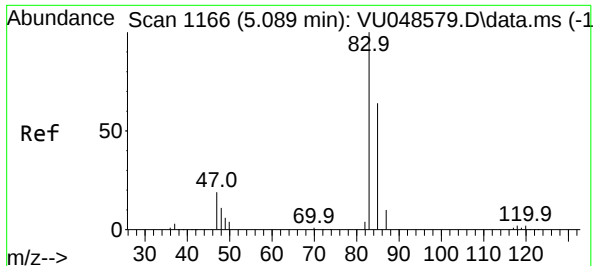
Tgt Ion: 43 Resp: 131074
Ion Ratio Lower Upper
43 100
72 28.9 15.4 46.2



#23
Bromochloromethane
Concen: 49.390 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion:128 Resp: 52292
Ion Ratio Lower Upper
128 100
49 127.5 91.9 170.7
130 130.8 88.4 164.2
51 41.5 33.2 49.8





#25

Chloroform

Concen: 49.504 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

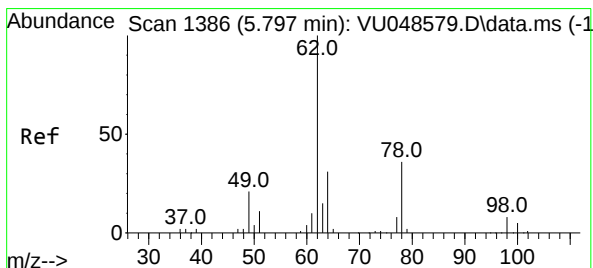
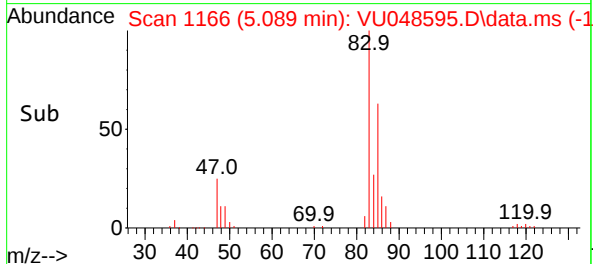
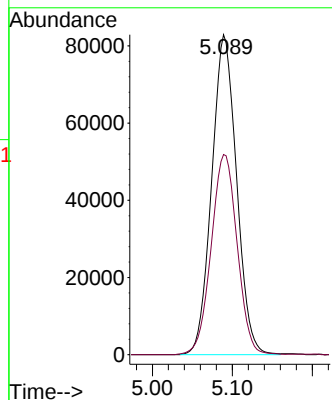
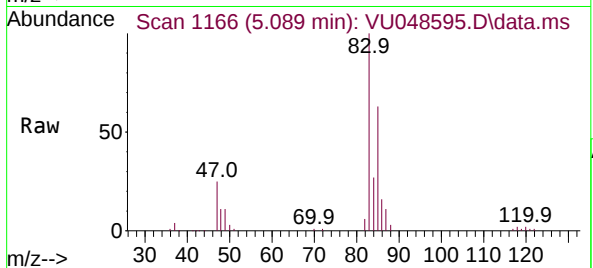
VSTD050129

Tgt Ion: 83 Resp: 178979

Ion Ratio Lower Upper

83 100

85 62.6 45.1 83.7



#27

1,2-Dichloroethane

Concen: 49.818 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU048595.D

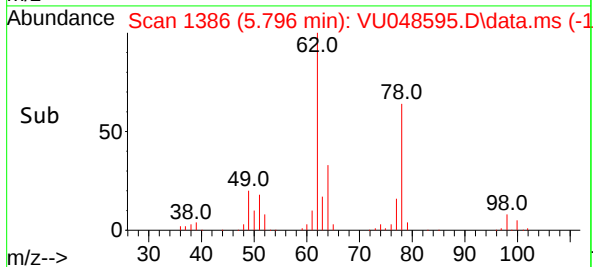
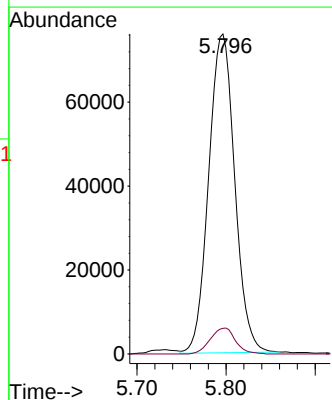
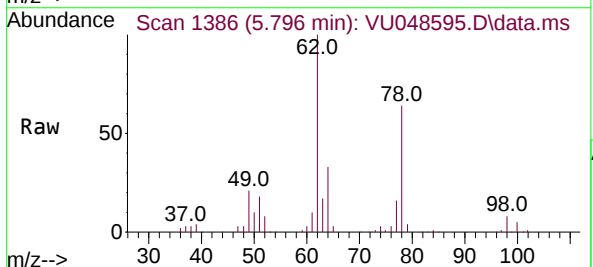
Acq: 16 May 2022 21:08

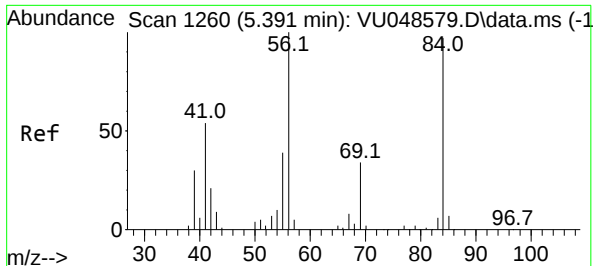
Tgt Ion: 62 Resp: 154511

Ion Ratio Lower Upper

62 100

98 8.0 6.0 9.0





#29

Cyclohexane

Concen: 47.358 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050129

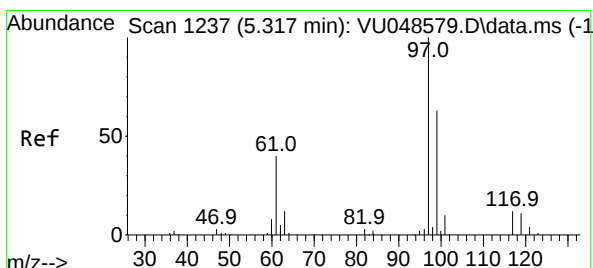
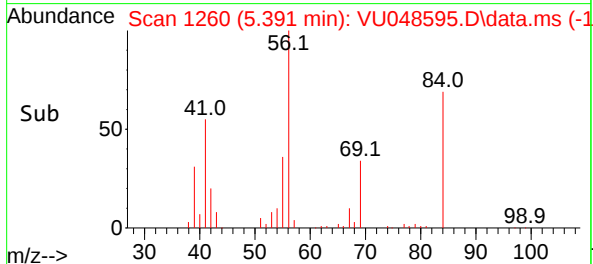
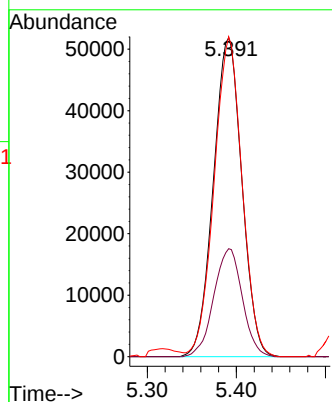
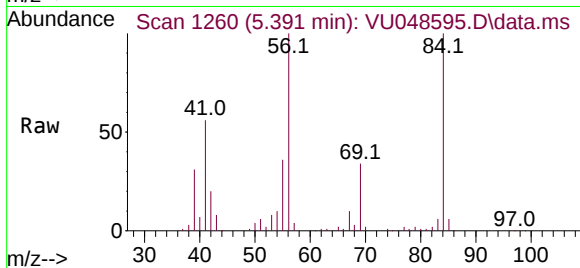
Tgt Ion: 56 Resp: 115131

Ion Ratio Lower Upper

56 100

69 33.9 26.5 39.7

84 98.3 78.0 117.0



#30

1,1,1-Trichloroethane

Concen: 49.616 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

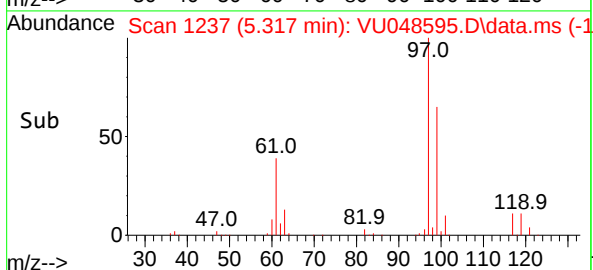
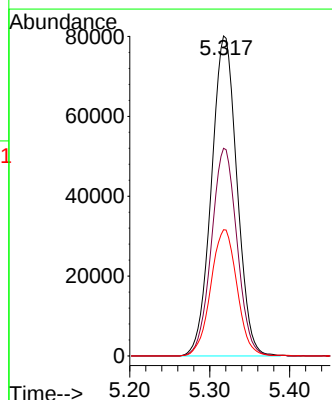
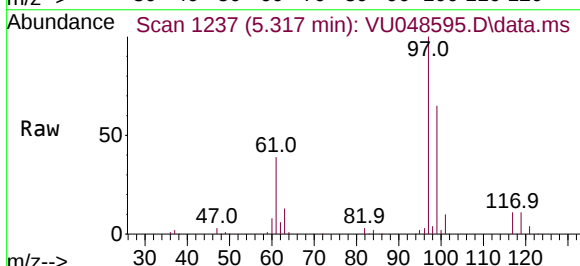
Tgt Ion: 97 Resp: 177815

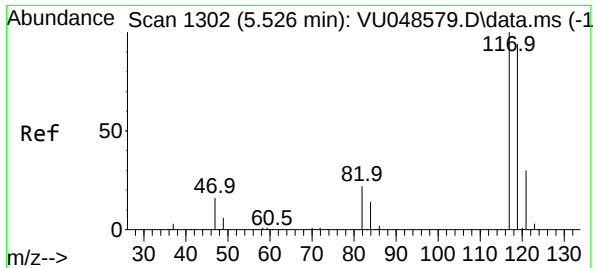
Ion Ratio Lower Upper

97 100

99 65.1 50.3 75.5

61 40.5 32.6 48.8

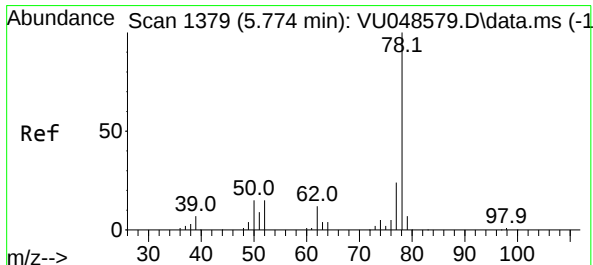
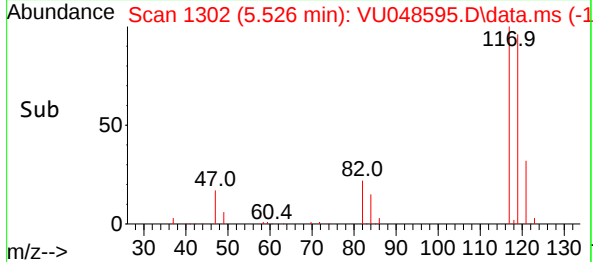
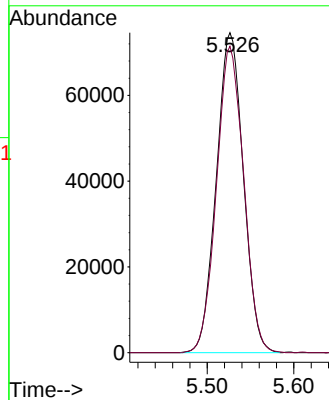
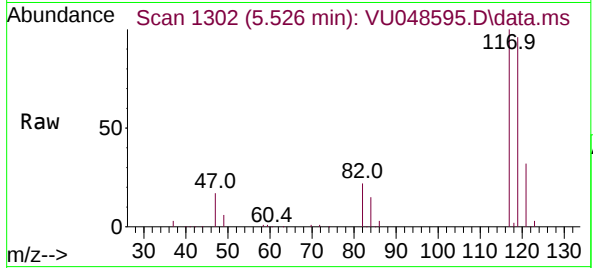




#31
Carbon tetrachloride
Concen: 49.496 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

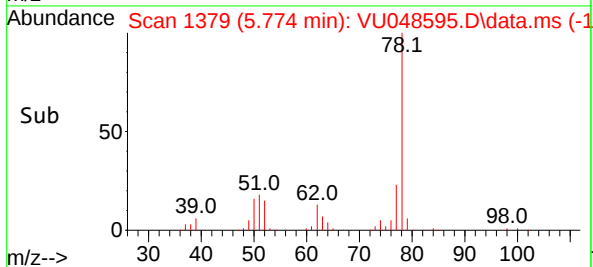
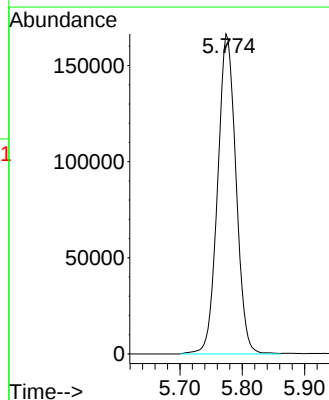
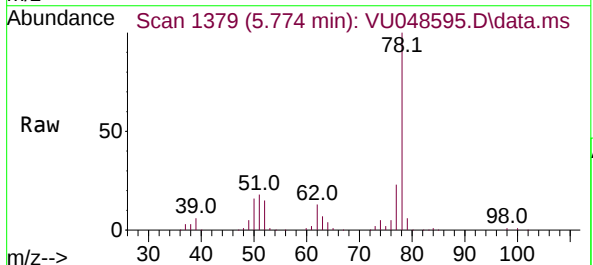
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

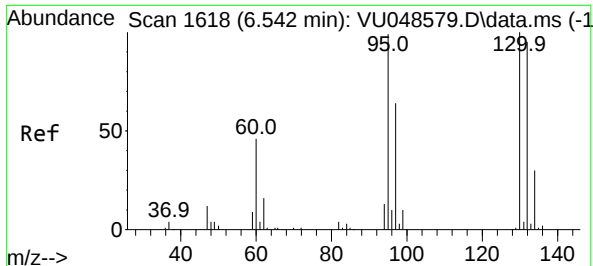
Tgt Ion:117 Resp: 161659
Ion Ratio Lower Upper
117 100
119 96.5 76.0 114.0



#33
Benzene
Concen: 49.195 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion: 78 Resp: 340186

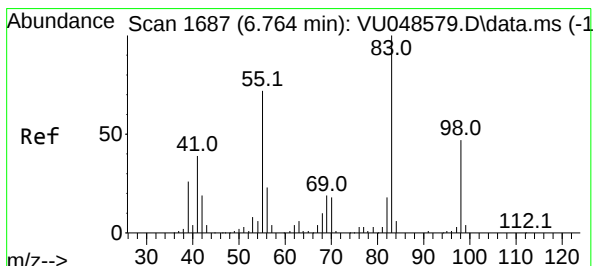
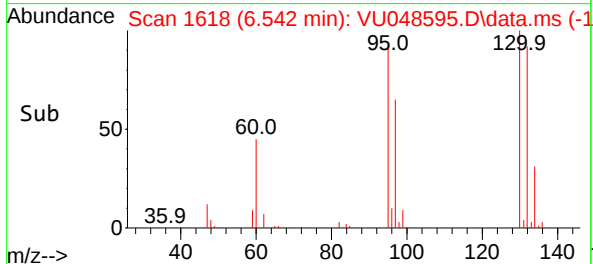
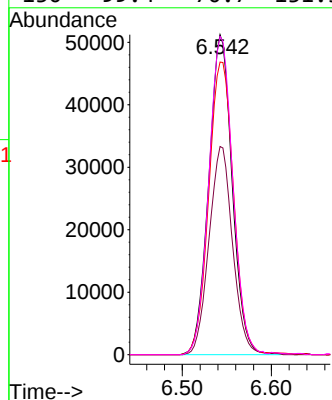
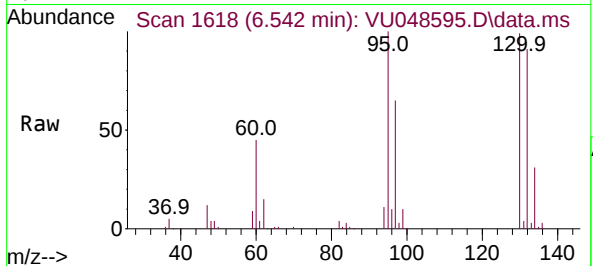




#34
Trichloroethene
Concen: 47.867 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

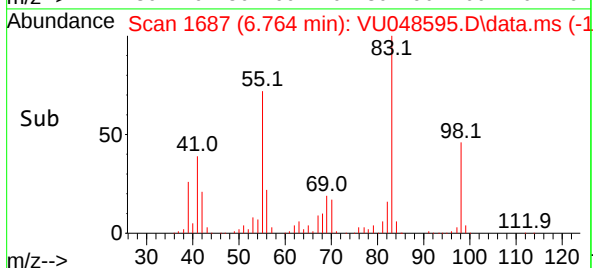
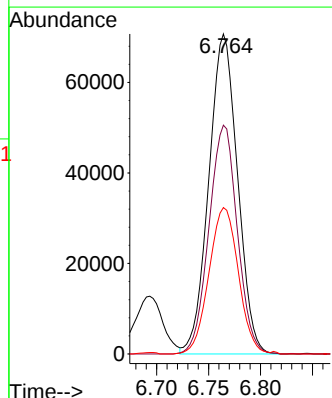
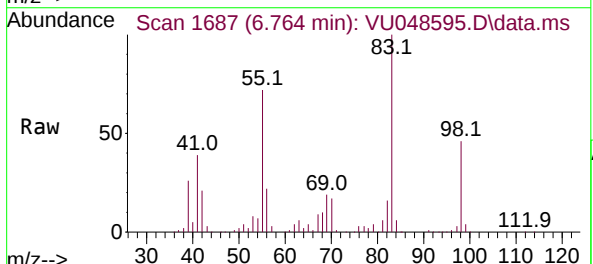
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

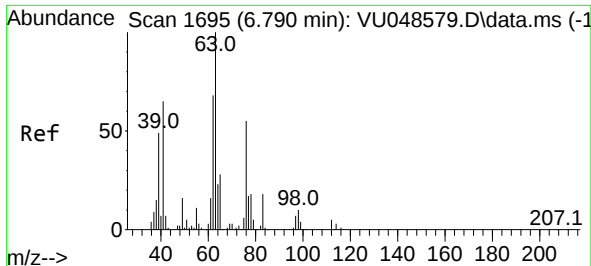
Tgt Ion: 95 Resp: 93648
Ion Ratio Lower Upper
95 100
97 65.1 45.2 84.0
132 91.5 67.3 124.9
130 99.4 70.7 131.3



#35
Methylcyclohexane
Concen: 48.476 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion: 83 Resp: 136095
Ion Ratio Lower Upper
83 100
55 70.6 56.2 84.4
98 46.7 38.2 57.2





#37

1,2-Dichloropropane

Concen: 47.753 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

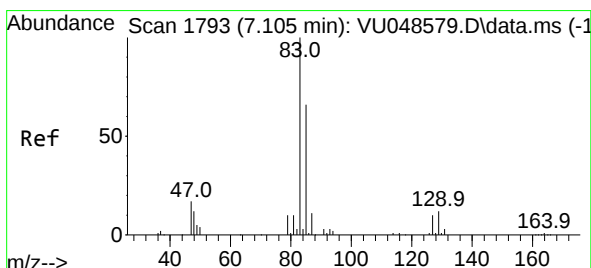
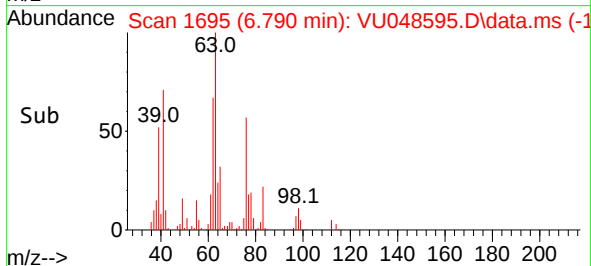
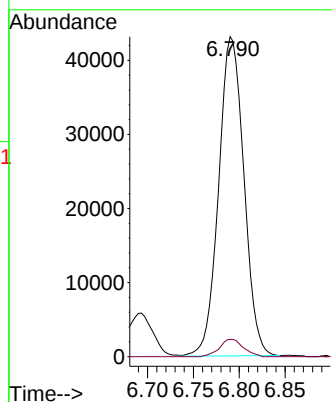
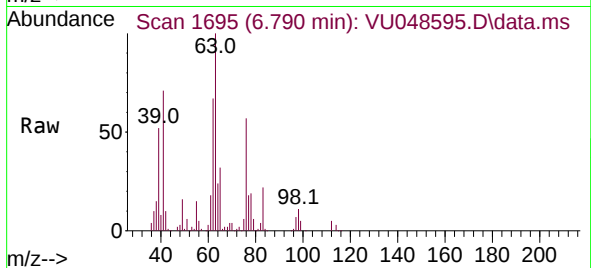
VSTD050129

Tgt Ion: 63 Resp: 82568

Ion Ratio Lower Upper

63 100

112 5.1 3.7 5.5



#38

Bromodichloromethane

Concen: 49.134 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

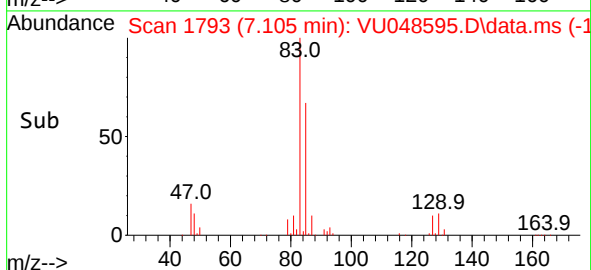
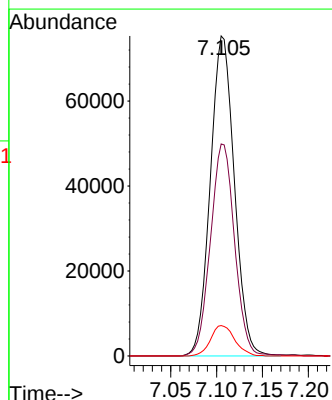
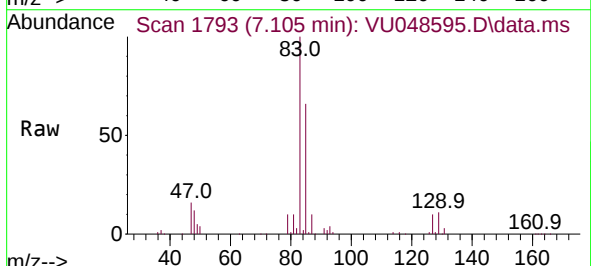
Tgt Ion: 83 Resp: 137455

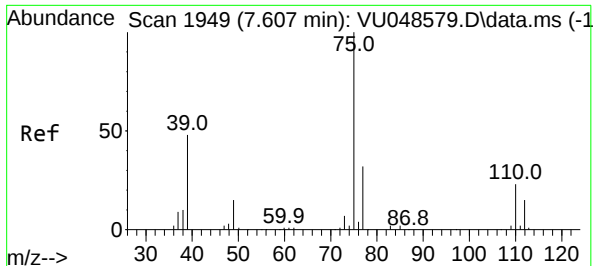
Ion Ratio Lower Upper

83 100

85 66.3 46.1 85.5

127 9.5 7.8 11.6

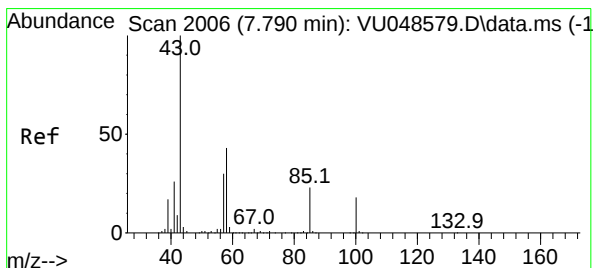
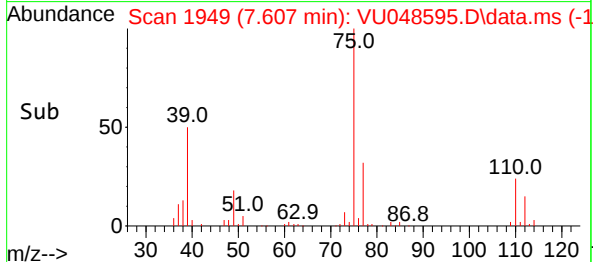
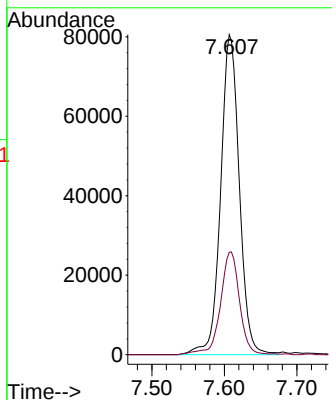
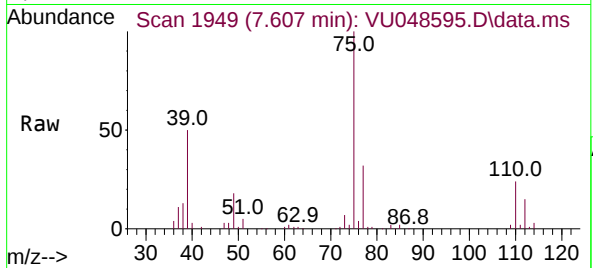




#39
 cis-1,3-Dichloropropene
 Concen: 48.832 ug/L
 RT: 7.607 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VU048595.D
 Acq: 16 May 2022 21:08

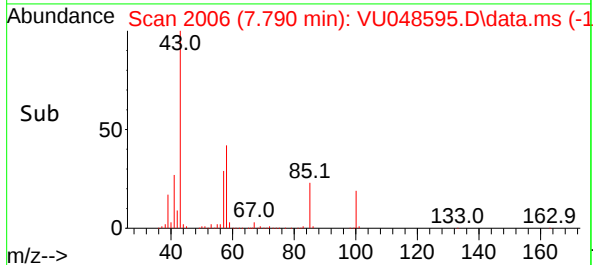
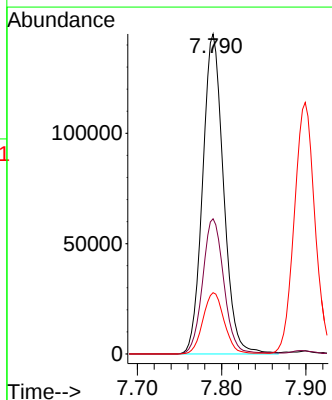
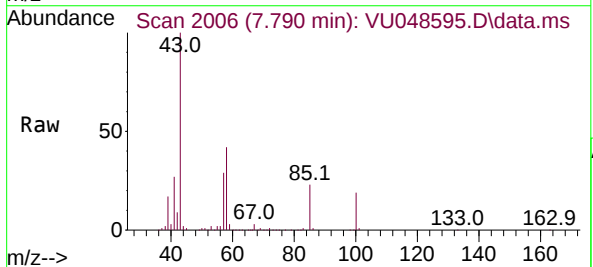
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

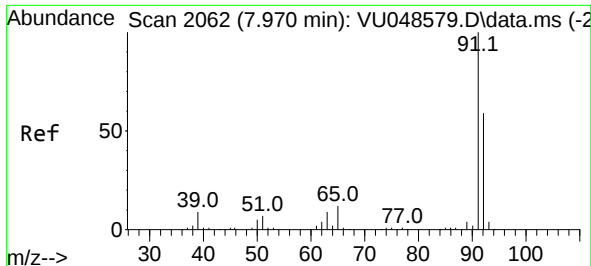
Tgt Ion: 75 Resp: 144156
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 94.770 ug/L
 RT: 7.790 min Scan# 2006
 Delta R.T. -0.000 min
 Lab File: VU048595.D
 Acq: 16 May 2022 21:08

Tgt Ion: 43 Resp: 250063
 Ion Ratio Lower Upper
 43 100
 58 43.2 34.3 51.5
 100 19.5 14.7 22.1

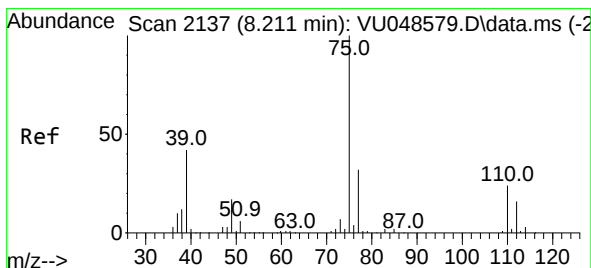
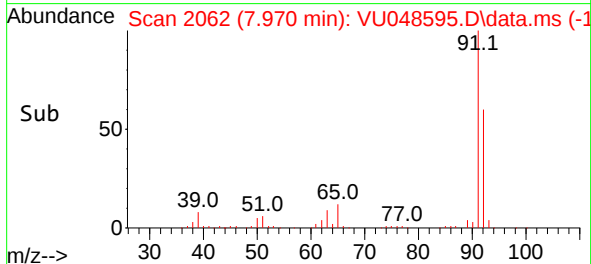
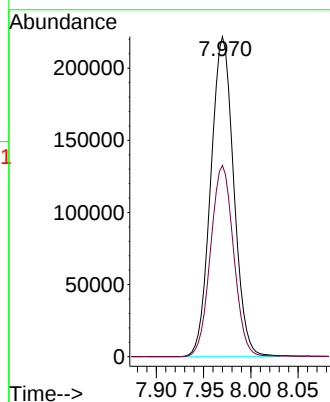
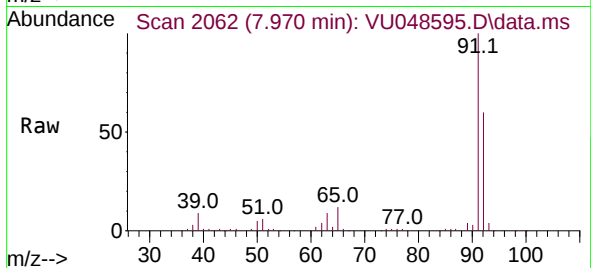




#42
Toluene
Concen: 49.804 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

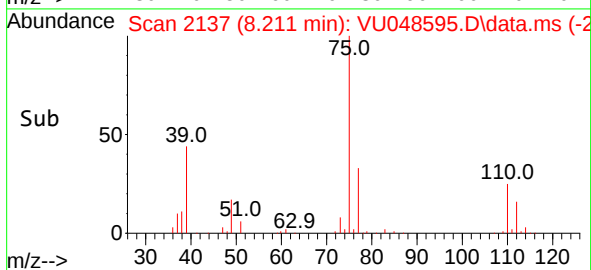
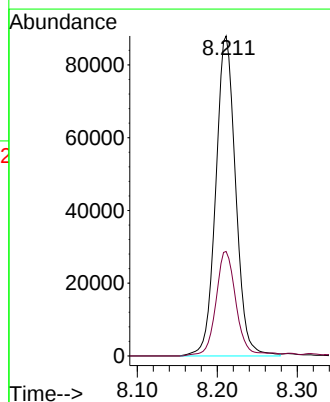
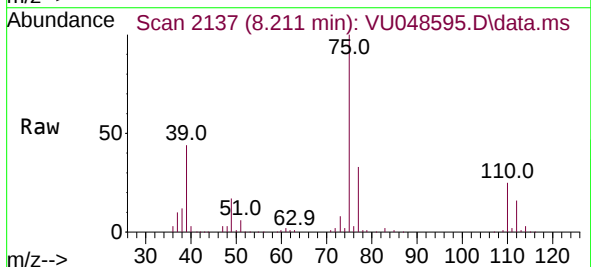
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

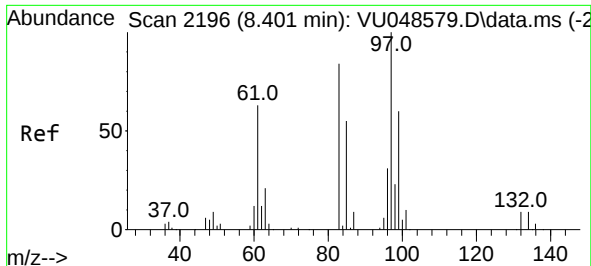
Tgt Ion: 91 Resp: 375375
Ion Ratio Lower Upper
91 100
92 59.8 41.4 77.0



#44
trans-1,3-Dichloropropene
Concen: 48.618 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion: 75 Resp: 151361
Ion Ratio Lower Upper
75 100
77 32.7 22.7 42.1

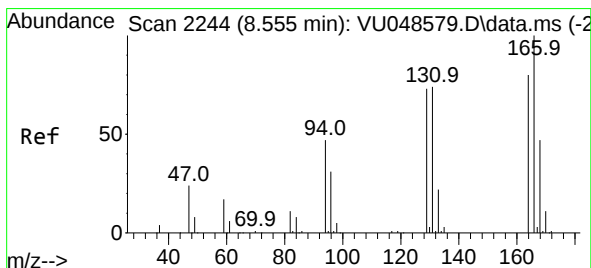
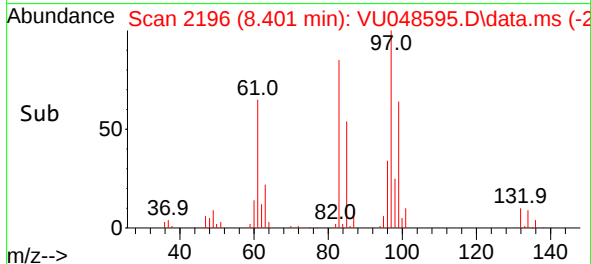
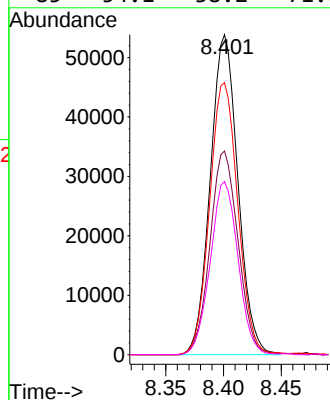
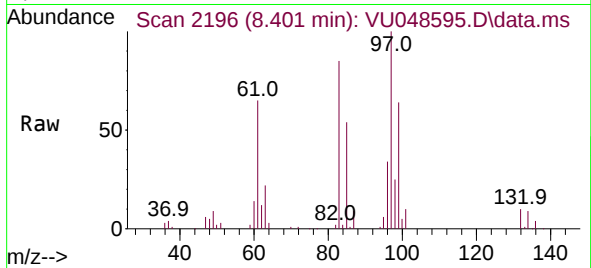




#45
1,1,2-Trichloroethane
Concen: 48.450 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

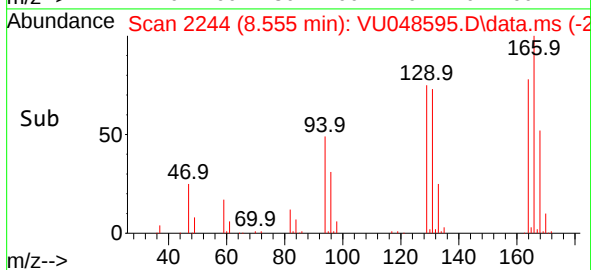
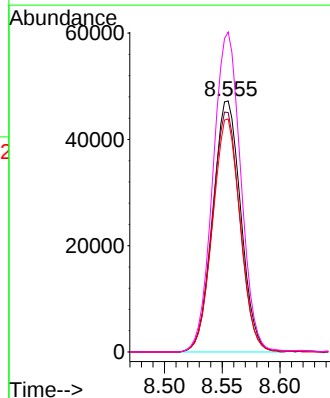
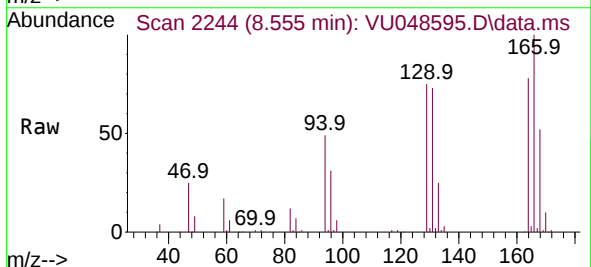
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

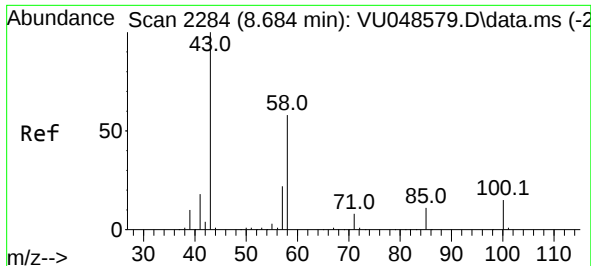
Tgt Ion: 97	Resp: 89713
Ion Ratio	Lower Upper
97 100	
99 63.7	42.2 78.4
83 85.0	58.4 108.6
85 54.1	38.2 71.0



#46
Tetrachloroethene
Concen: 49.804 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt	Ion:164	Resp:	79510
Ion	Ratio	Lower	Upper
164	100		
129	95.3	64.3	119.3
131	92.8	64.5	119.7
166	127.4	87.5	162.5

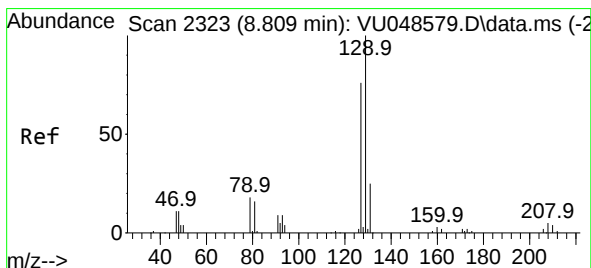
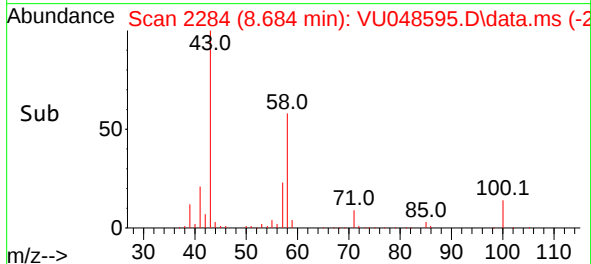
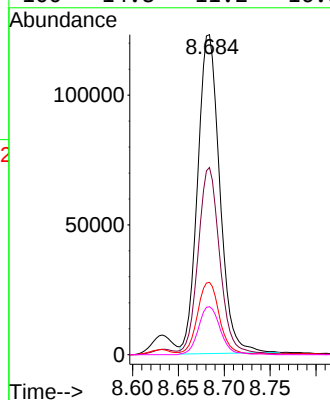
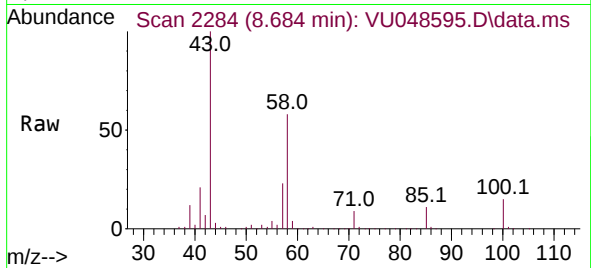




#48
2-Hexanone
Concen: 91.191 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

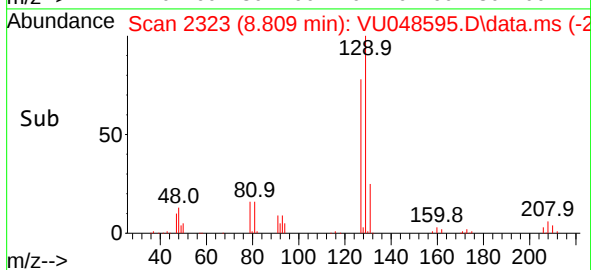
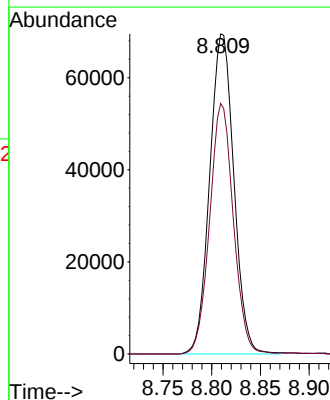
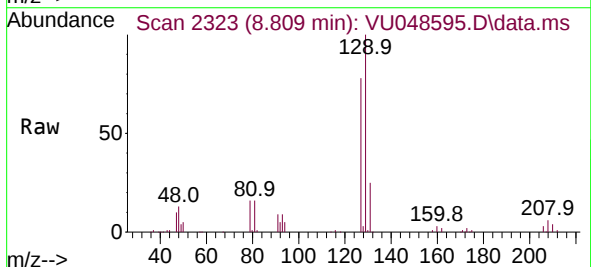
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

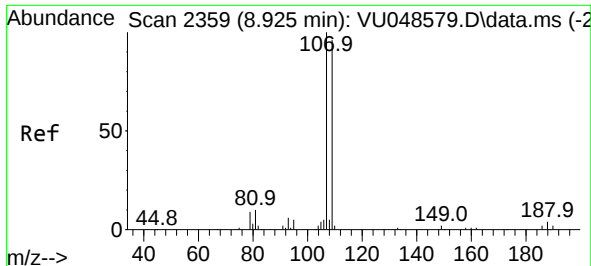
Tgt Ion:	43	Resp:	206163
Ion	Ratio	Lower	Upper
43	100		
58	57.9	45.8	68.6
57	22.7	16.8	25.2
100	14.8	11.2	16.8



#49
Dibromochloromethane
Concen: 50.370 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion:	129	Resp:	119910
Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.1	98.5

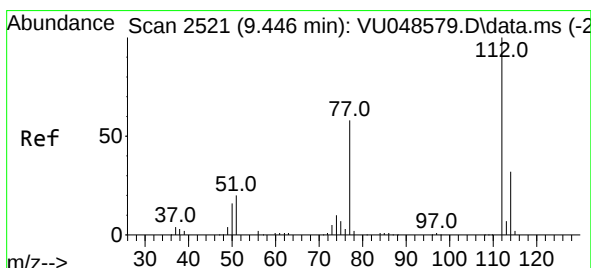
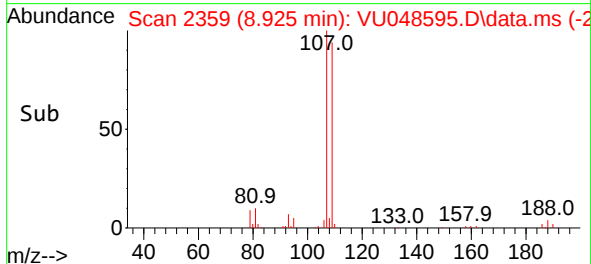
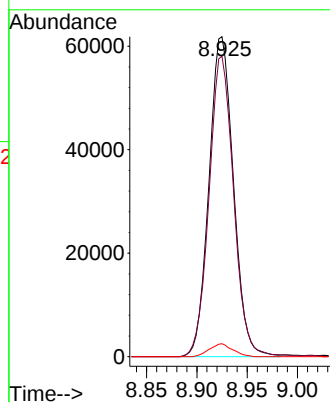
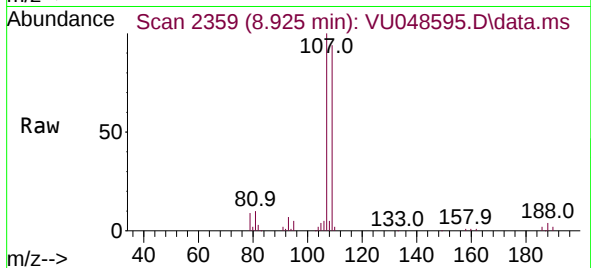




#50
1,2-Dibromoethane
Concen: 48.996 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

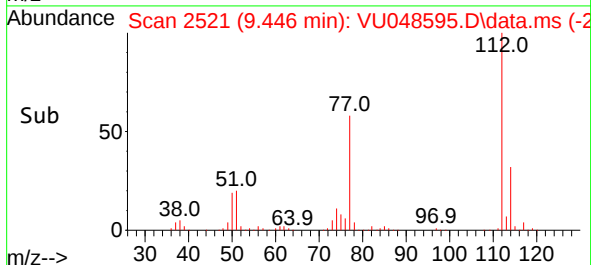
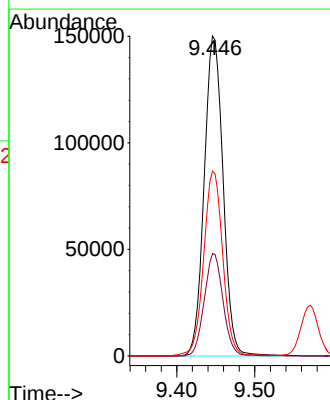
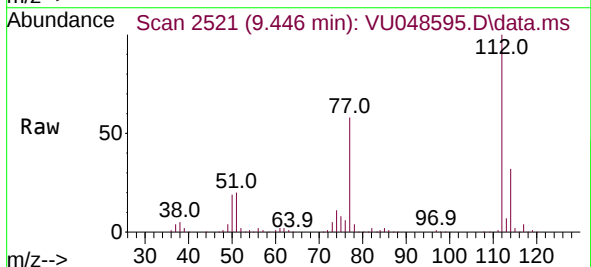
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

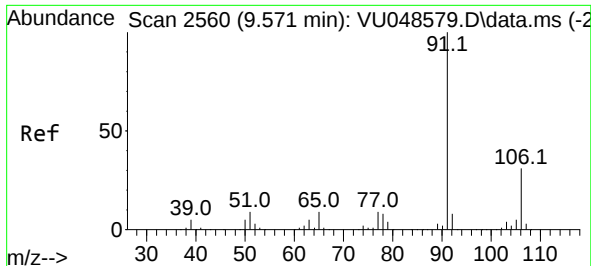
Tgt Ion:107 Resp: 104702
Ion Ratio Lower Upper
107 100
109 93.9 67.5 125.3
188 4.0 3.4 5.2



#51
Chlorobenzene
Concen: 48.088 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion:112 Resp: 252785
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 57.8 46.5 69.7

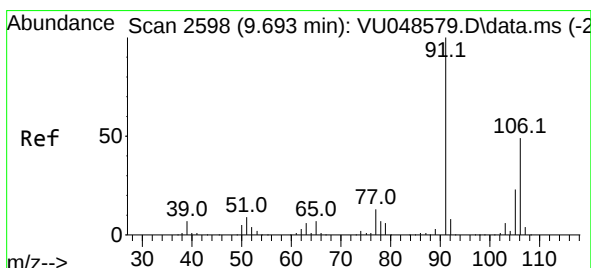
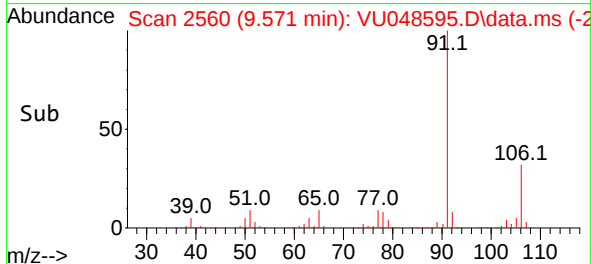
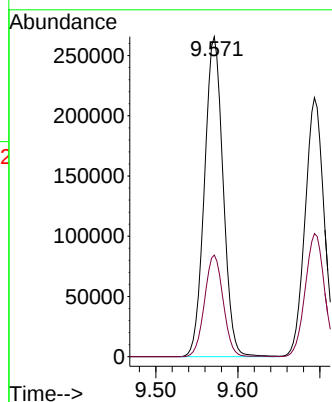
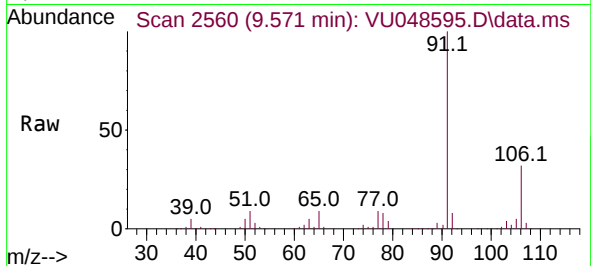




#52
Ethylbenzene
Concen: 48.613 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

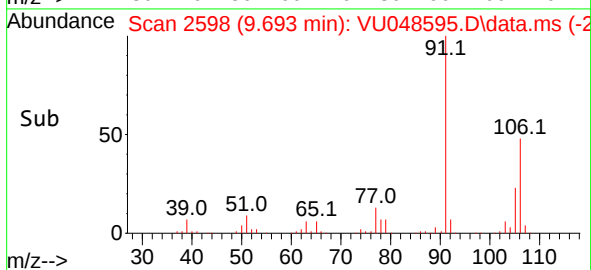
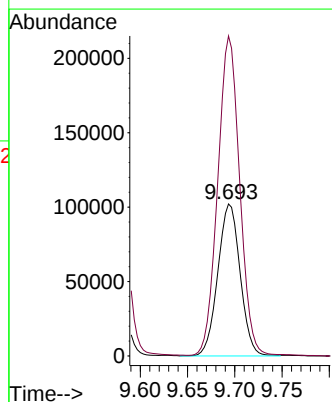
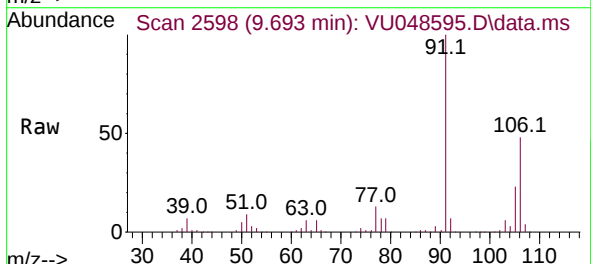
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

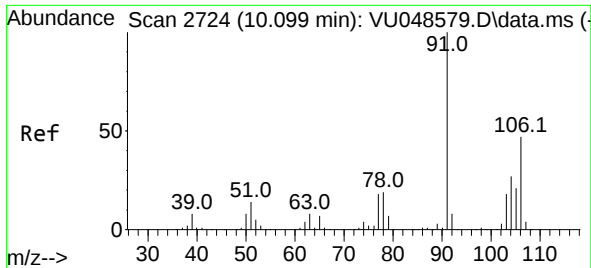
Tgt Ion: 91 Resp: 418713
Ion Ratio Lower Upper
91 100
106 31.7 21.8 40.6



#53
m,p-Xylene
Concen: 48.449 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion: 106 Resp: 167701
Ion Ratio Lower Upper
106 100
91 210.4 141.8 263.4

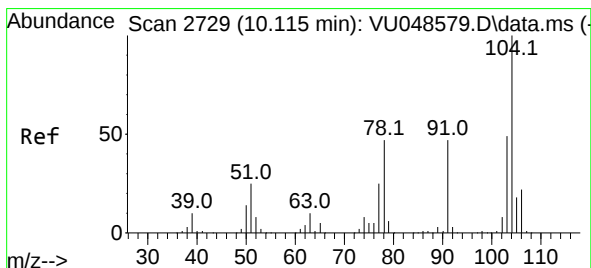
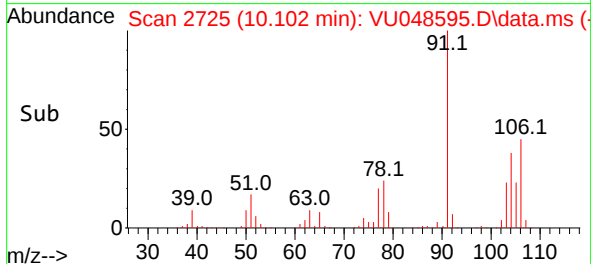
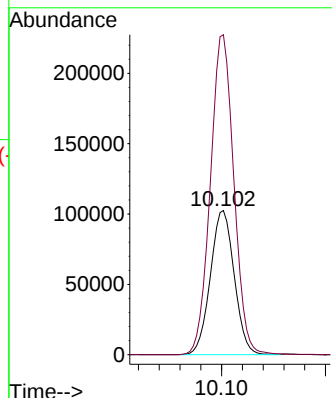
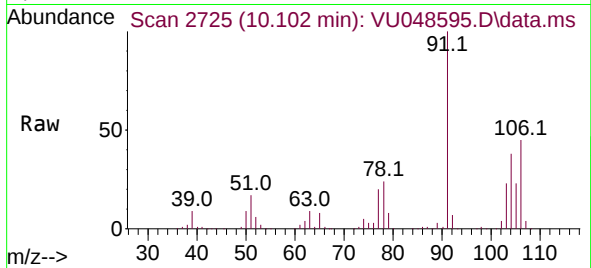




#54
o-Xylene
Concen: 49.268 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.003 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

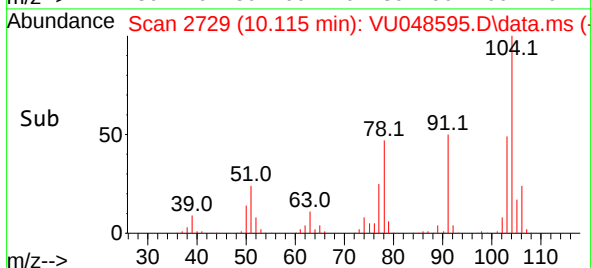
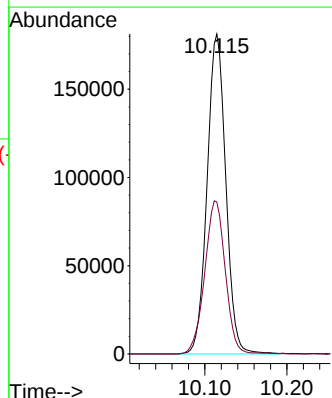
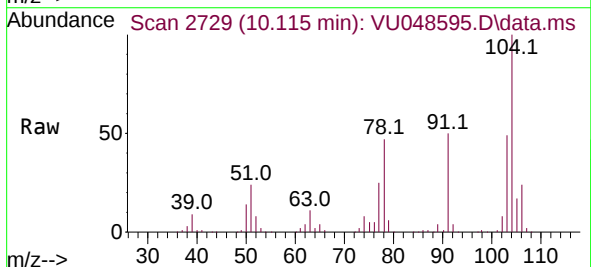
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

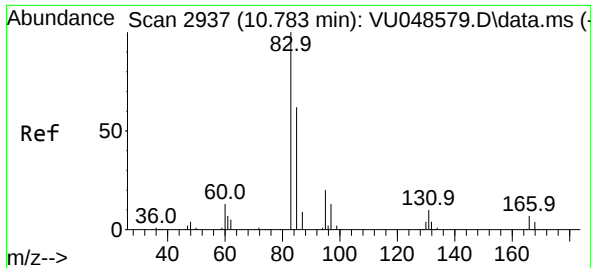
Tgt Ion:106 Resp: 163376
Ion Ratio Lower Upper
106 100
91 222.0 150.1 278.9



#55
Styrene
Concen: 49.861 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion:104 Resp: 287480
Ion Ratio Lower Upper
104 100
78 47.5 32.7 60.7

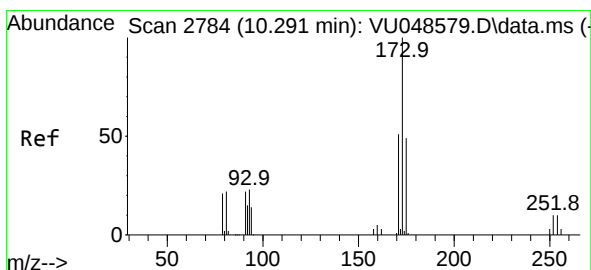
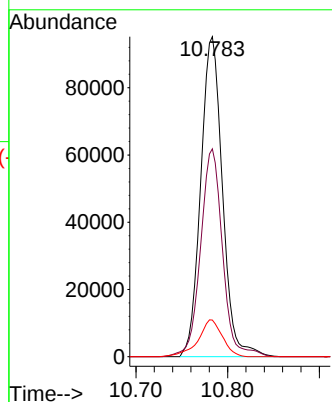
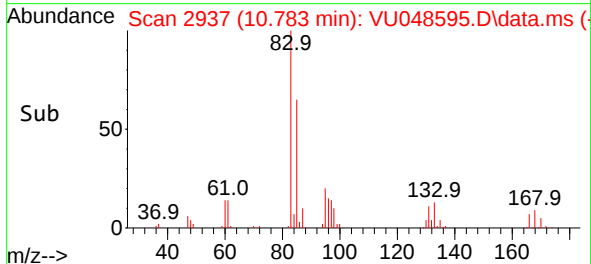
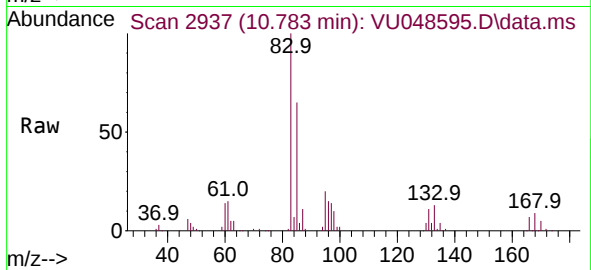




#57
1,1,2,2-Tetrachloroethane
Concen: 48.998 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

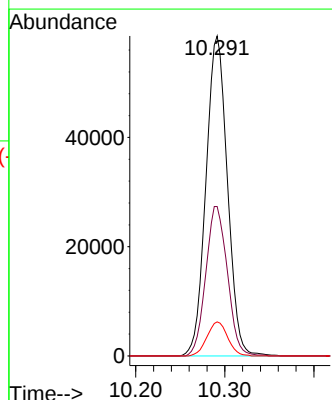
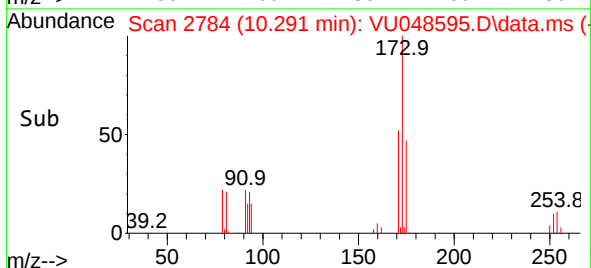
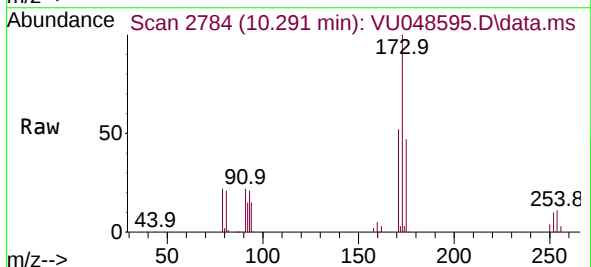
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

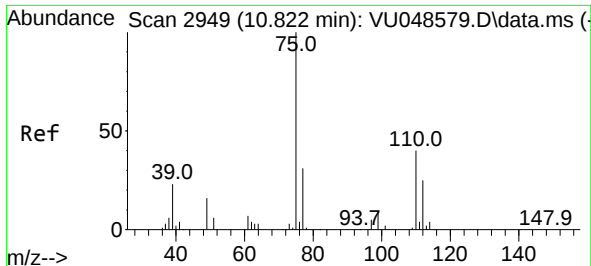
Tgt Ion: 83 Resp: 156800
Ion Ratio Lower Upper
83 100
85 65.0 44.1 81.9
131 11.5 8.9 13.3



#59
Bromoform
Concen: 49.483 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion:173 Resp: 97745
Ion Ratio Lower Upper
173 100
175 47.0 38.2 57.4
254 10.3 7.7 11.5

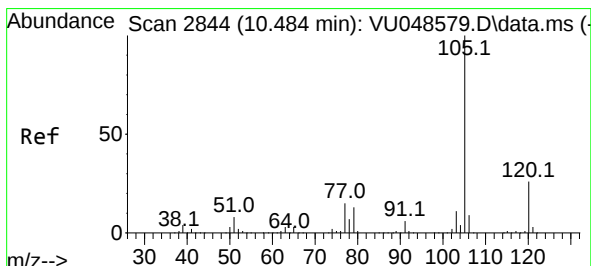
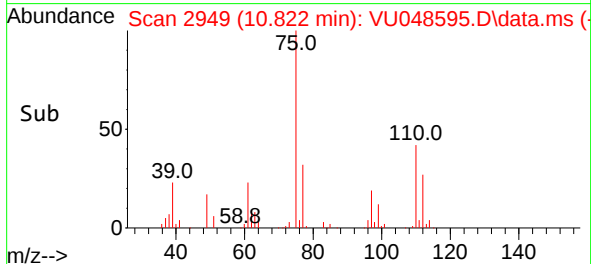
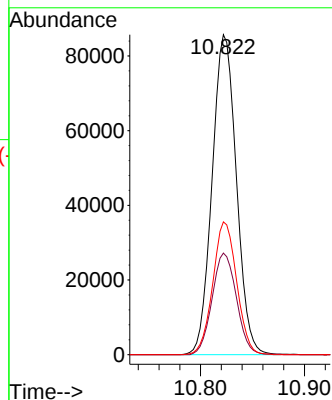
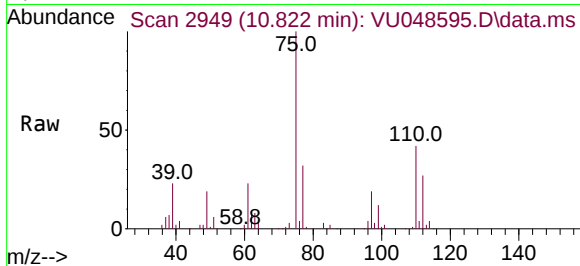




#60
1,2,3-Trichloropropane
Concen: 48.764 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

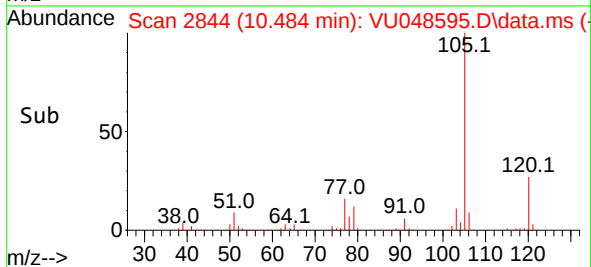
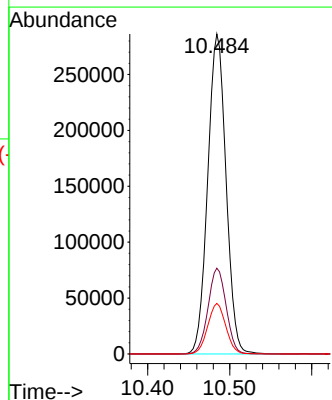
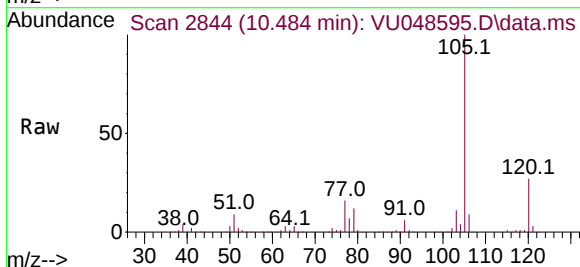
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

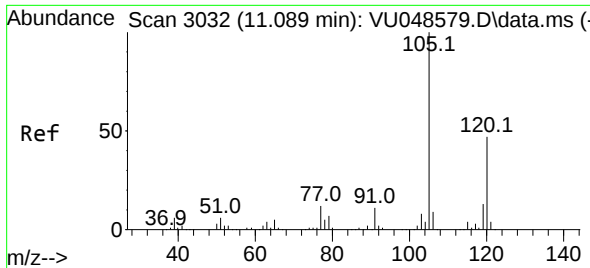
Tgt Ion: 75 Resp: 138975
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
110 40.9 32.1 48.1



#61
Isopropylbenzene
Concen: 50.113 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion: 105 Resp: 443503
Ion Ratio Lower Upper
105 100
120 26.5 21.0 31.6
77 15.6 12.5 18.7

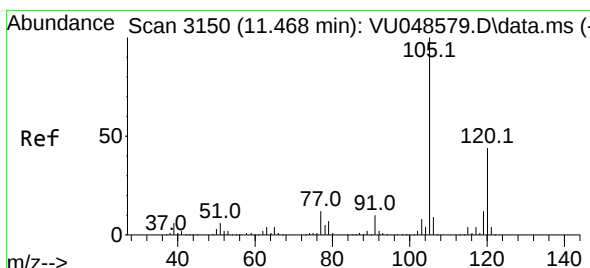
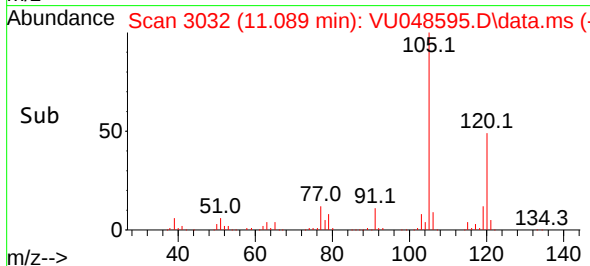
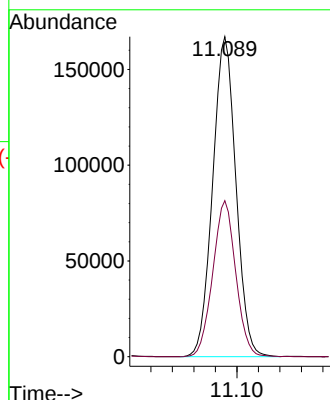
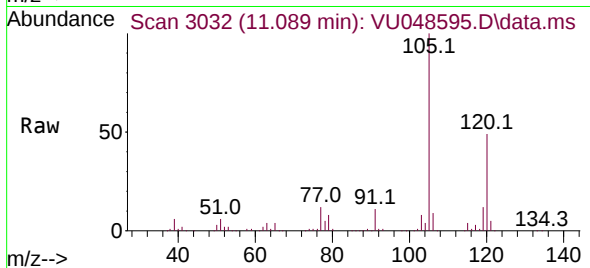




#62
1,3,5-Trimethylbenzene
Concen: 49.840 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

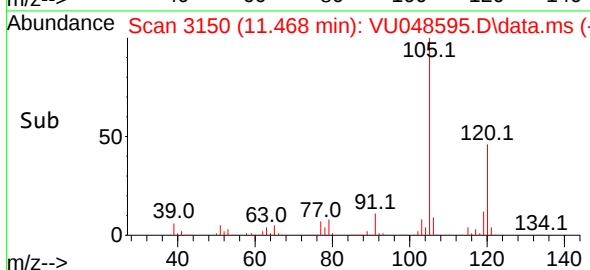
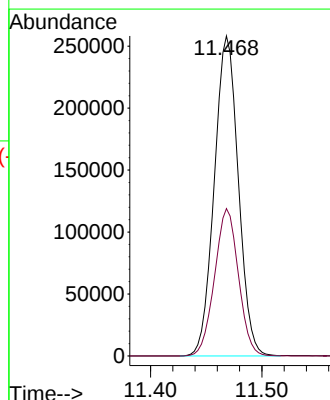
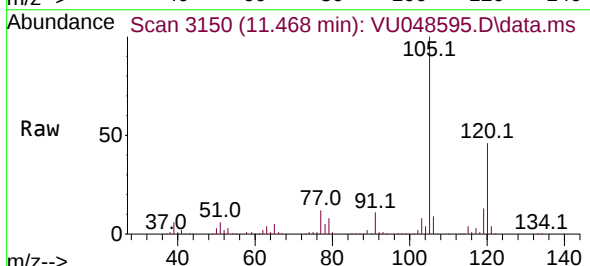
Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

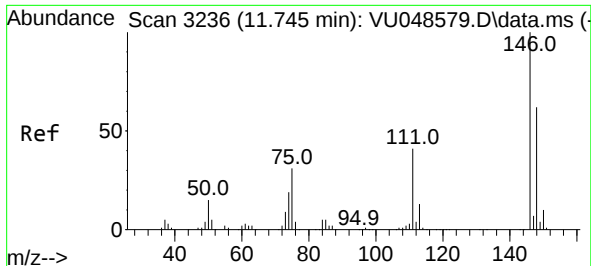
Tgt Ion:105 Resp: 250763
Ion Ratio Lower Upper
105 100
120 48.1 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 49.444 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion:105 Resp: 386833
Ion Ratio Lower Upper
105 100
120 45.7 35.4 53.2

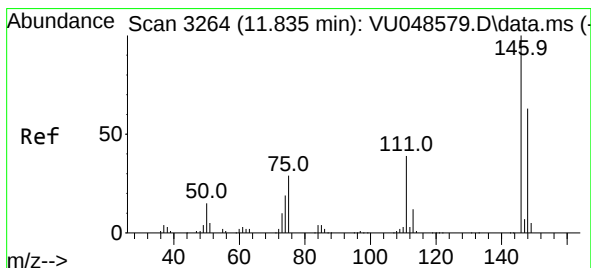
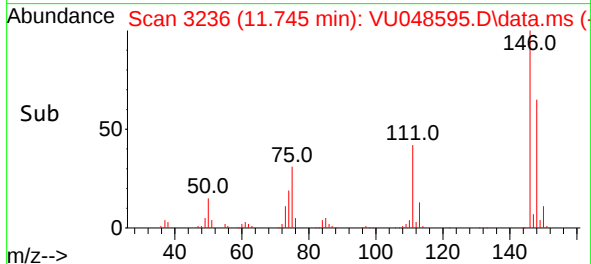
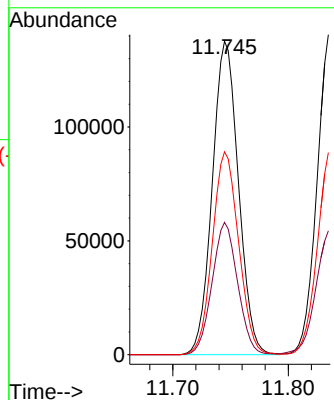
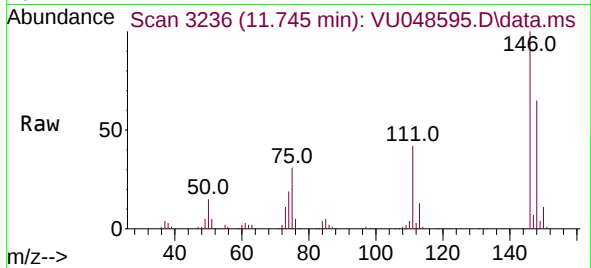




#64
 1,3-Dichlorobenzene
 Concen: 47.425 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU048595.D
 Acq: 16 May 2022 21:08

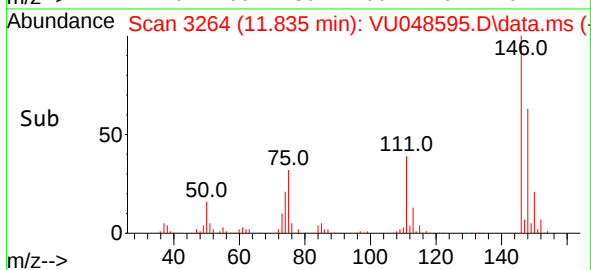
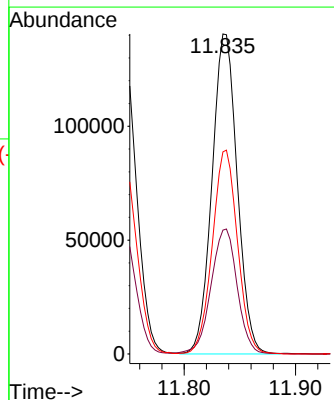
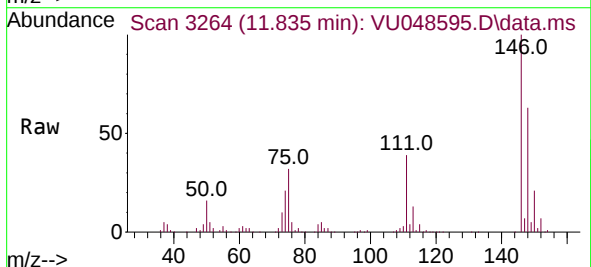
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

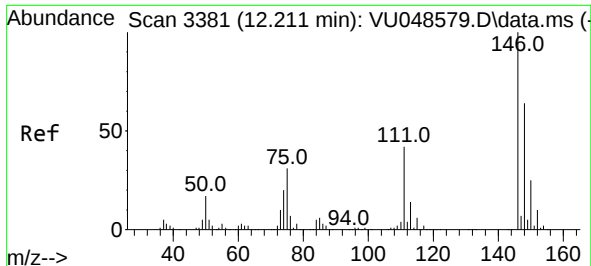
Tgt Ion:146 Resp: 216446
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.7 53.3
 148 64.7 43.7 81.1



#65
 1,4-Dichlorobenzene
 Concen: 46.726 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU048595.D
 Acq: 16 May 2022 21:08

Tgt Ion:146 Resp: 221293
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.6 51.2
 148 63.1 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 47.433 ug/L

RT: 12.214 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050129

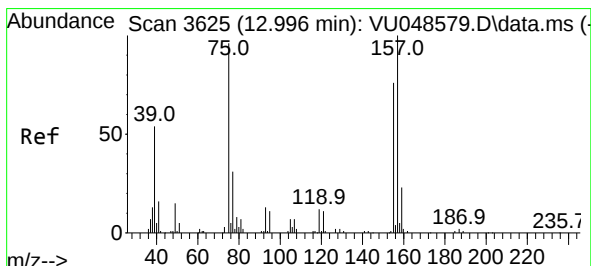
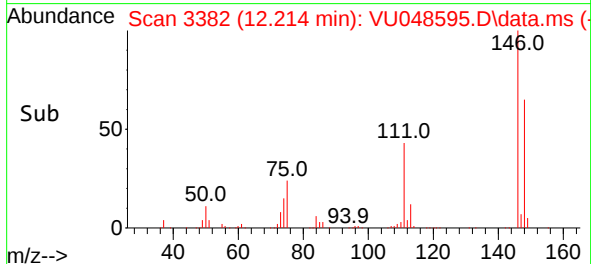
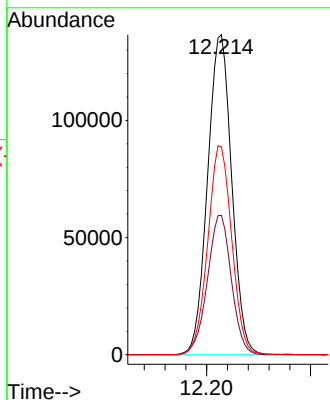
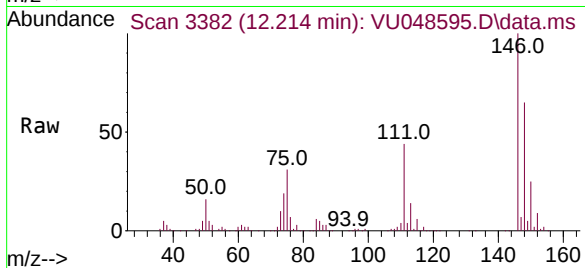
Tgt Ion:146 Resp: 220189

Ion Ratio Lower Upper

146 100

111 43.6 34.1 51.1

148 65.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 46.855 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU048595.D

Acq: 16 May 2022 21:08

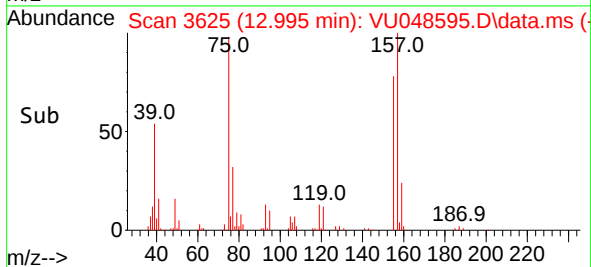
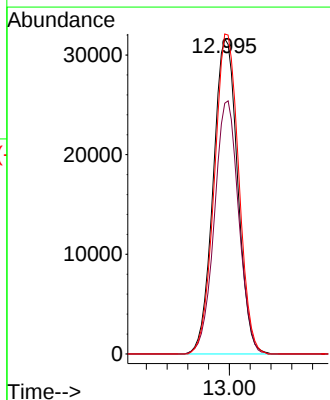
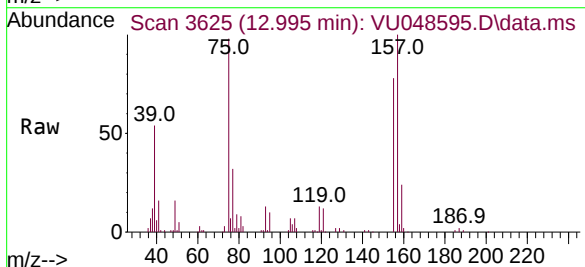
Tgt Ion: 75 Resp: 51630

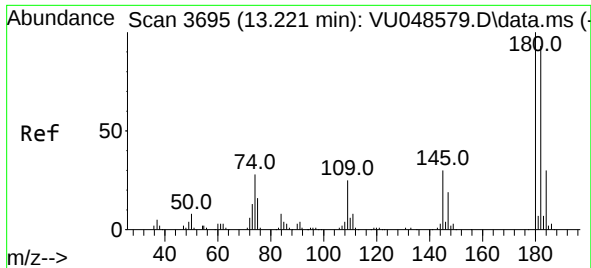
Ion Ratio Lower Upper

75 100

155 79.6 63.5 95.3

157 101.6 83.5 125.3

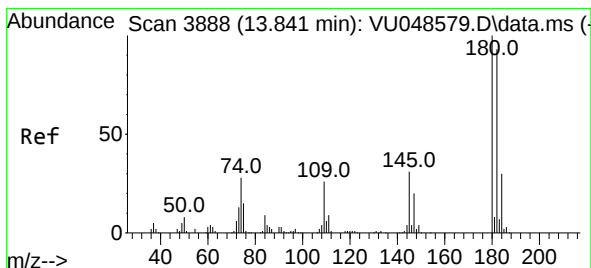
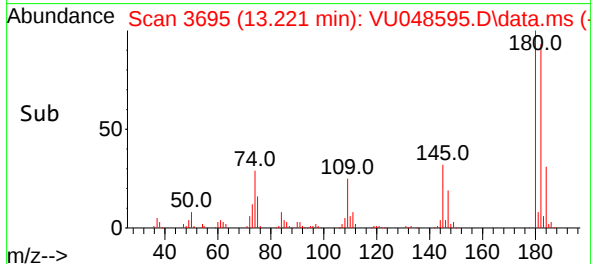
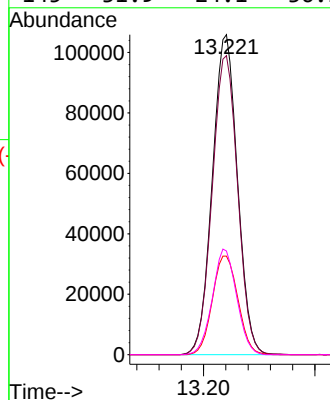
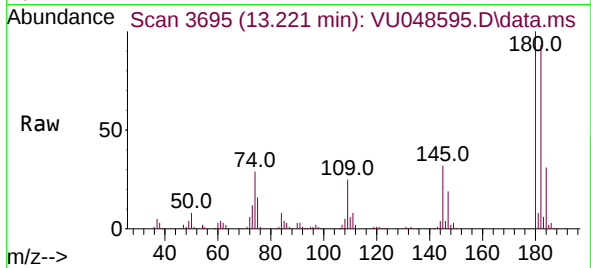




#69
 1,3,5-Trichlorobenzene
 Concen: 45.505 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048595.D
 Acq: 16 May 2022 21:08

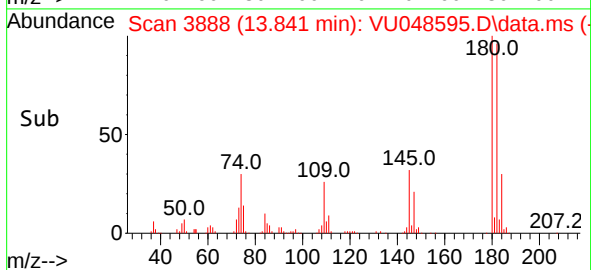
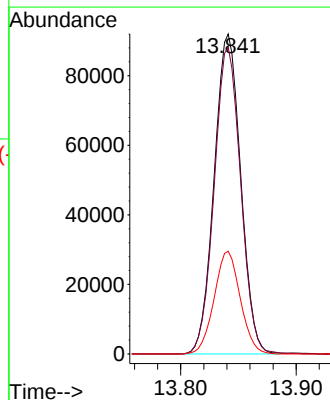
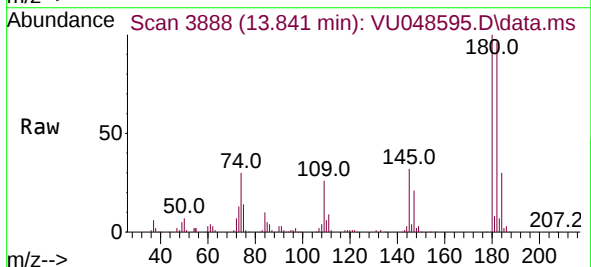
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

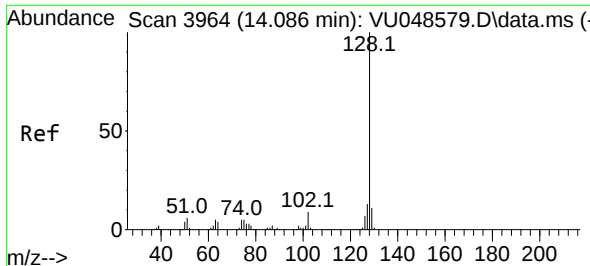
Tgt Ion:180 Resp: 165531
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.8 113.6
 184 31.4 23.4 35.2
 145 31.9 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 44.612 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048595.D
 Acq: 16 May 2022 21:08

Tgt Ion:180 Resp: 146777
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.8 113.8
 145 31.6 24.9 37.3

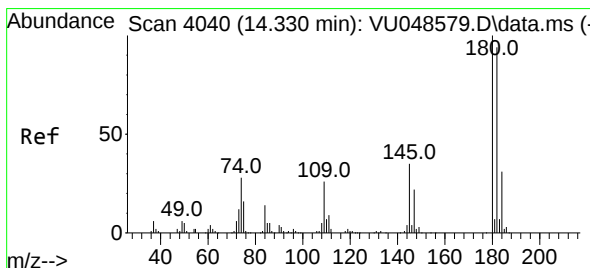
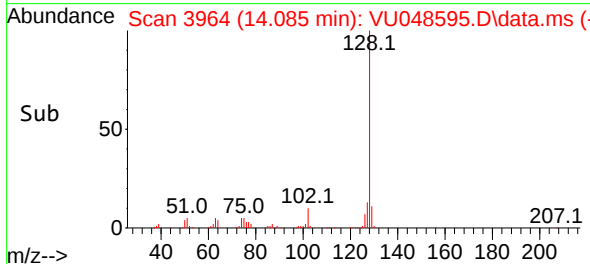
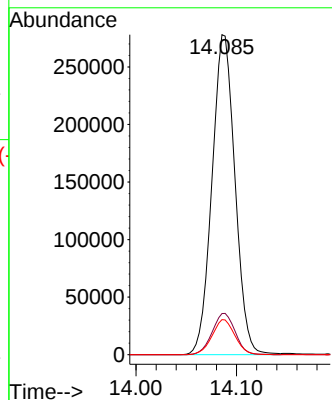
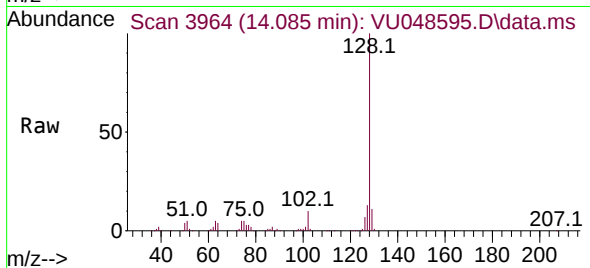




#71
Naphthalene
Concen: 40.714 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD050129

Tgt Ion:128 Resp: 441680
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 44.999 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048595.D
Acq: 16 May 2022 21:08

Tgt Ion:180 Resp: 148643
Ion Ratio Lower Upper
180 100
182 96.0 75.6 113.4
145 33.4 27.1 40.7

