

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071522\
 Data File : VU049725.D
 Acq On : 15 Jul 2022 09:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050165

Quant Time: Jul 15 22:59:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 15 04:01:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	204048	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	192003	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98522	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71780	41.693	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.380%
7) Chloroethane-d5	1.903	69	55568	44.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.300%
11) 1,1-Dichloroethene-d2	2.565	63	133943	44.045	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.080%
21) 2-Butanone-d5	4.620	46	156033	106.166	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.170%
24) Chloroform-d	5.063	84	152109	49.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.760%
26) 1,2-Dichloroethane-d4	5.703	65	101490	49.177	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.360%
32) Benzene-d6	5.726	84	270167	46.317	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.640%
36) 1,2-Dichloropropane-d6	6.690	67	96263	49.064	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.120%
41) Toluene-d8	7.896	98	240612	47.368	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.740%
43) trans-1,3-Dichloroprop...	8.179	79	40594	49.108	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.220%
47) 2-Hexanone-d5	8.632	63	90344	102.367	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.370%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	141359	51.493	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.980%
66) 1,2-Dichlorobenzene-d4	12.192	152	89918	48.406	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	115969	47.413	ug/L	99
3) Chloromethane	1.520	50	126355	47.070	ug/L	97
5) Vinyl chloride	1.600	62	111768	46.076	ug/L	100
6) Bromomethane	1.845	94	55403	49.434	ug/L	97
8) Chloroethane	1.925	64	63352	47.146	ug/L	100
9) Trichlorofluoromethane	2.134	101	144683	48.297	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	76077	48.398	ug/L	99
12) 1,1-Dichloroethene	2.578	96	66311	45.453	ug/L	96
13) Acetone	2.626	43	114203	81.764	ug/L	95
14) Carbon disulfide	2.790	76	208595	42.401	ug/L	99
15) Methyl Acetate	2.948	43	116441	51.314	ug/L	99
16) Methylene chloride	3.041	84	87560	47.661	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	74116	46.441	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	268231	49.069	ug/L	99
19) 1,1-Dichloroethane	3.867	63	162707	48.970	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	86717	48.347	ug/L	97
22) 2-Butanone	4.700	43	178856	95.644	ug/L	100
23) Bromochloromethane	4.973	128	44414	49.627	ug/L	95
25) Chloroform	5.086	83	167009	50.127	ug/L	98

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 Response via : Initial Calibration

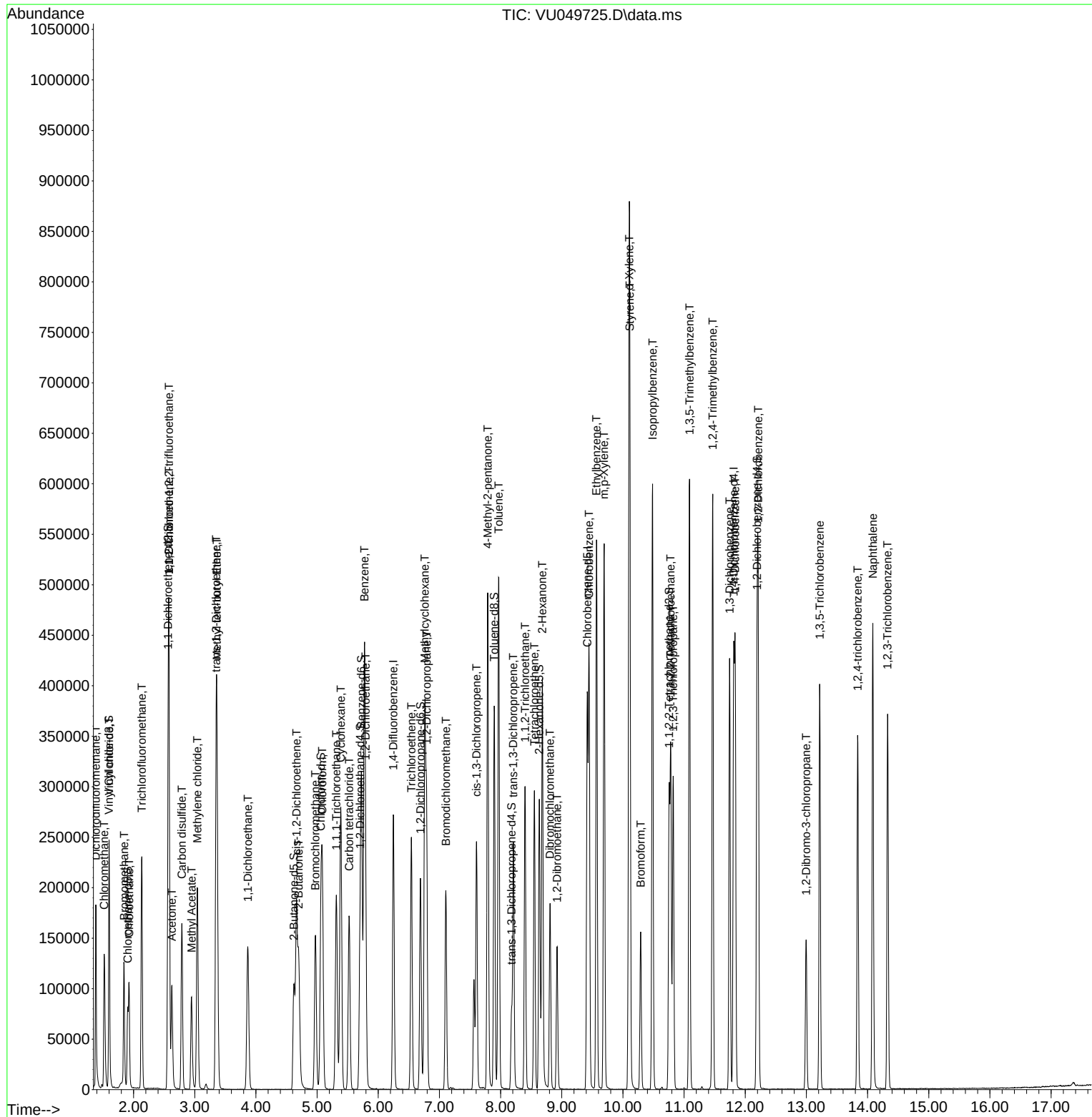
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	138894	48.959	ug/L	100
29) Cyclohexane	5.388	56	140176	46.773	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	138355	49.774	ug/L	100
31) Carbon tetrachloride	5.523	117	113236	49.808	ug/L	97
33) Benzene	5.774	78	352367	48.824	ug/L	100
34) Trichloroethene	6.542	95	85493	49.006	ug/L	98
35) Methylcyclohexane	6.761	83	133482	48.691	ug/L	98
37) 1,2-Dichloropropane	6.790	63	99541	49.761	ug/L	100
38) Bromodichloromethane	7.105	83	125396	50.559	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	139333	51.645	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	326129	100.707	ug/L	99
42) Toluene	7.970	91	358747	50.015	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	130519	51.524	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	89733	51.392	ug/L	97
46) Tetrachloroethene	8.552	164	58624	48.451	ug/L	97
48) 2-Hexanone	8.684	43	257687	99.575	ug/L	99
49) Dibromochloromethane	8.809	129	89790	51.129	ug/L	96
50) 1,2-Dibromoethane	8.925	107	89645	51.685	ug/L	100
51) Chlorobenzene	9.446	112	214732	49.435	ug/L	100
52) Ethylbenzene	9.568	91	372496	49.212	ug/L	99
53) m,p-Xylene	9.693	106	142079	51.622	ug/L	97
54) o-Xylene	10.102	106	138525	49.985	ug/L	97
55) Styrene	10.115	104	237308	51.887	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	159282	50.962	ug/L	100
59) Bromoform	10.291	173	64381	48.721	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	125816	47.944	ug/L	100
61) Isopropylbenzene	10.484	105	364521	49.550	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	312589	50.375	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	308562	50.053	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	156185	48.635	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	155582	48.229	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	162760	48.740	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	38627	50.234	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	113774	50.560	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	97641	47.282	ug/L	97
71) Naphthalene	14.085	128	349102	47.289	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	105682	49.405	ug/L	100

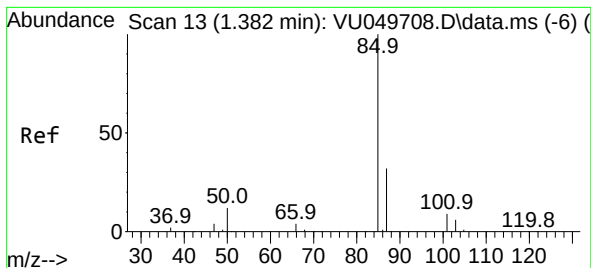
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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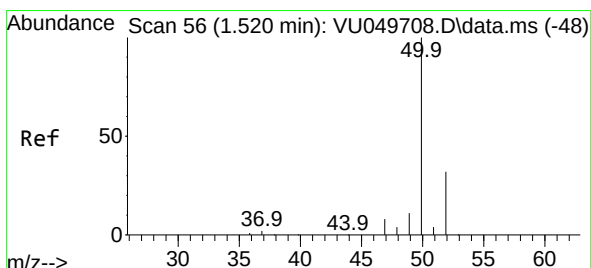
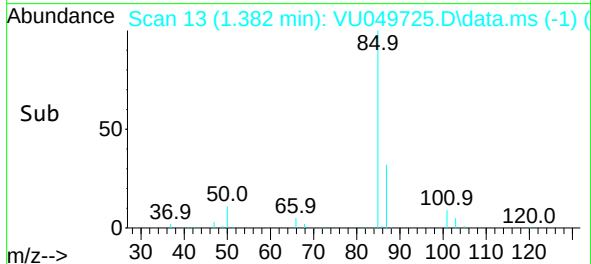
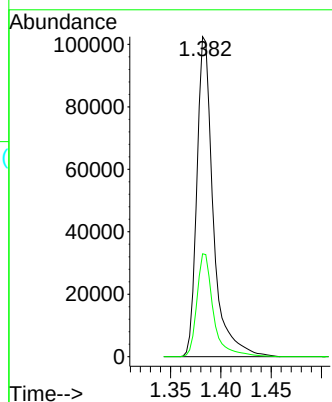
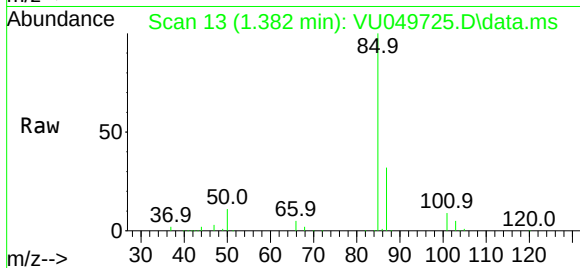




#2
Dichlorodifluoromethane
Concen: 47.413 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

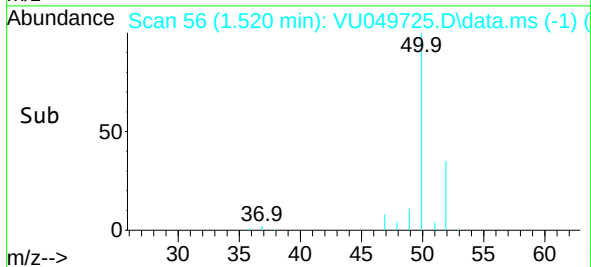
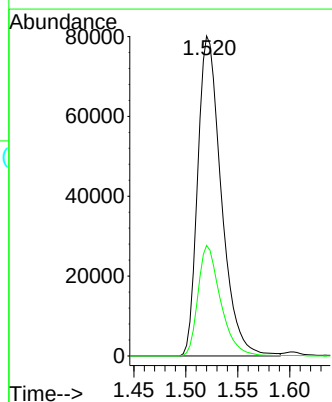
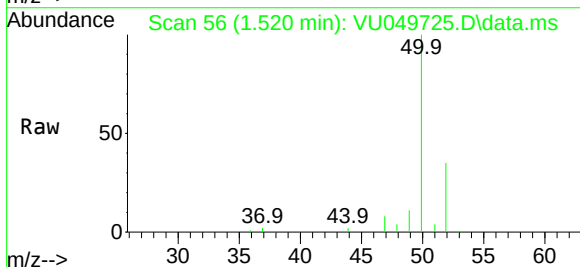
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

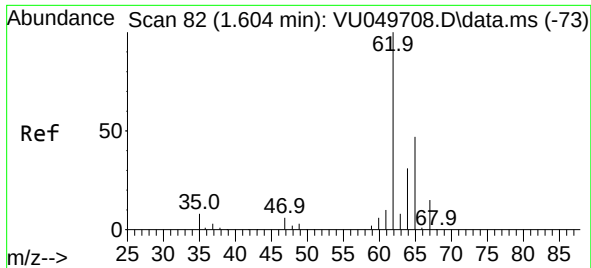
Tgt Ion: 85 Resp: 115969
Ion Ratio Lower Upper
85 100
87 32.5 26.3 39.5



#3
Chloromethane
Concen: 47.070 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 50 Resp: 126355
Ion Ratio Lower Upper
50 100
52 34.6 23.2 43.0

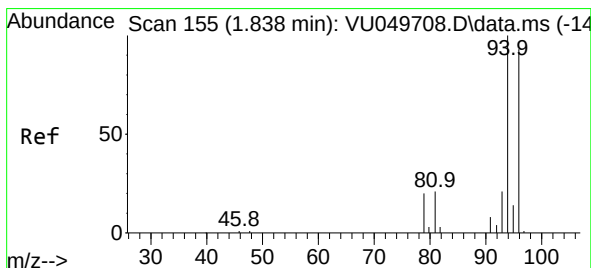
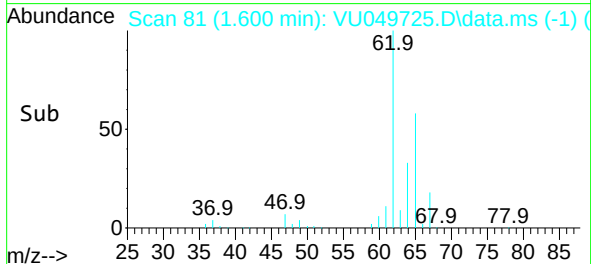
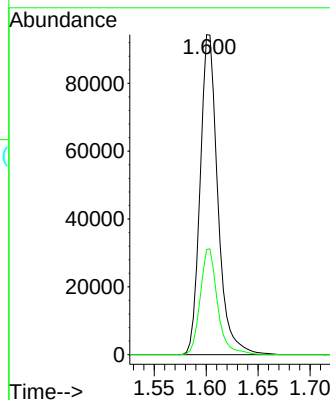
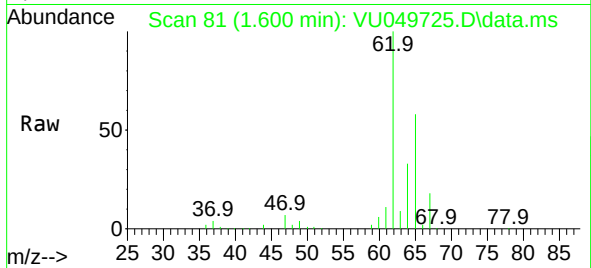




#5
 Vinyl chloride
 Concen: 46.076 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU049725.D
 Acq: 15 Jul 2022 09:22

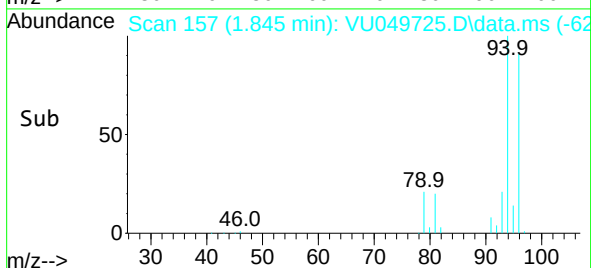
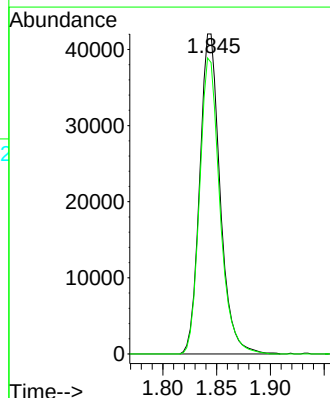
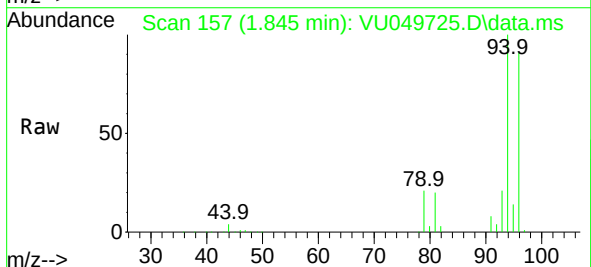
Instrument :
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 ClientSampleId :
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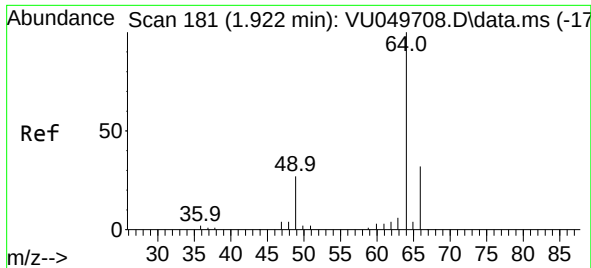
Tgt Ion: 62 Resp: 111768
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.0 42.6



#6
 Bromomethane
 Concen: 49.434 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. 0.006 min
 Lab File: VU049725.D
 Acq: 15 Jul 2022 09:22

Tgt Ion: 94 Resp: 55403
 Ion Ratio Lower Upper
 94 100
 96 91.1 66.1 122.7

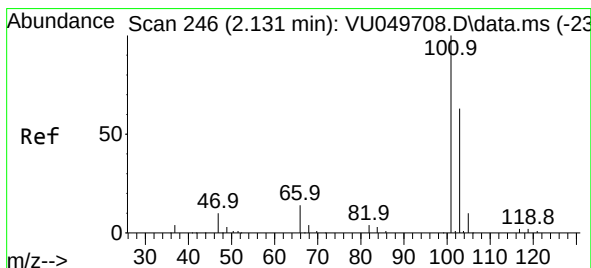
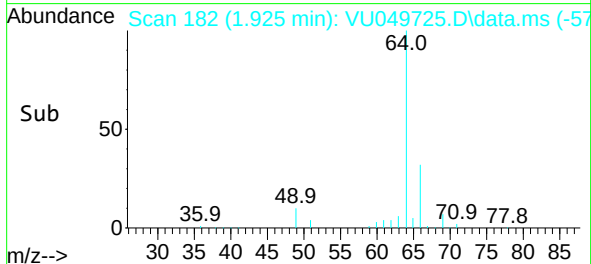
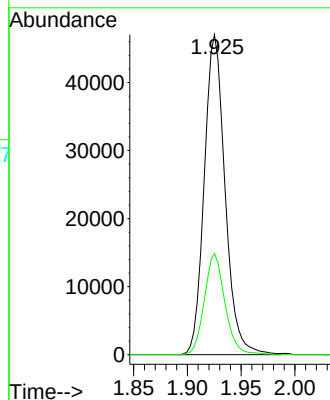
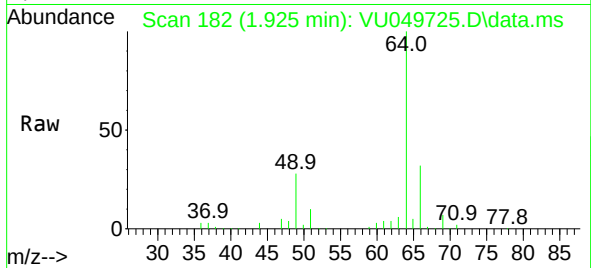




#8
Chloroethane
Concen: 47.146 ug/L
RT: 1.925 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

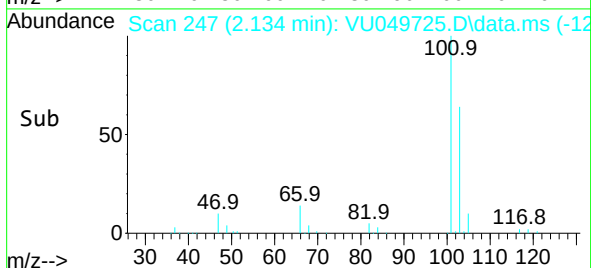
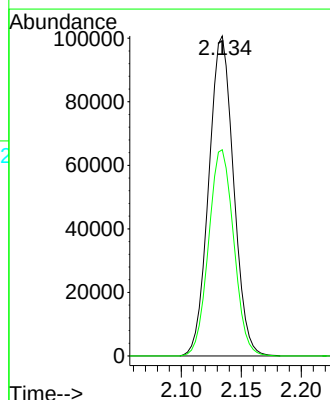
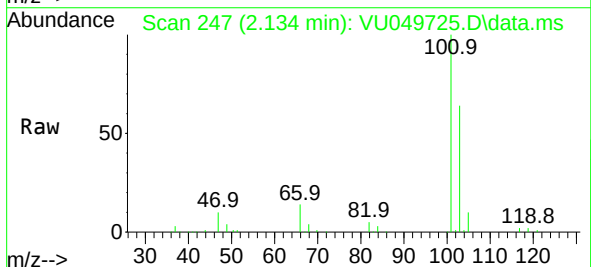
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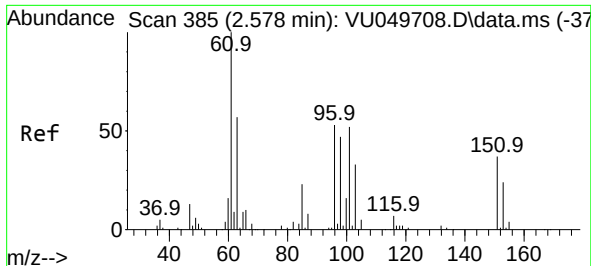
Tgt Ion: 64 Resp: 63352
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.297 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.003 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 101 Resp: 144683
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4

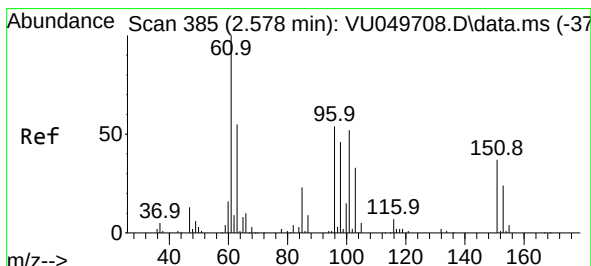
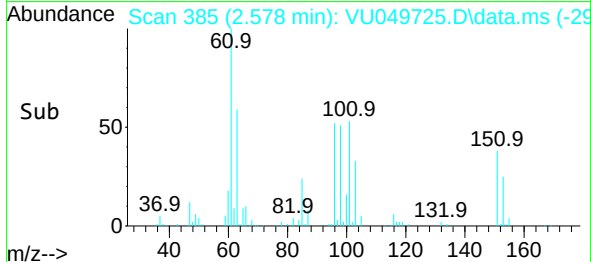
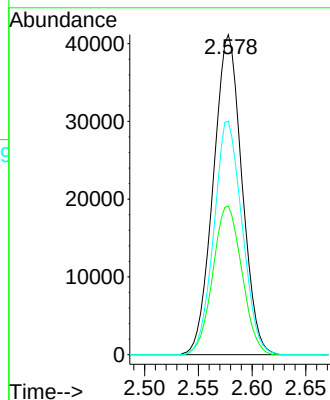
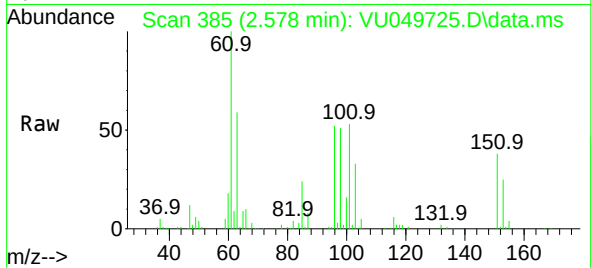




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.398 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049725.D
 Acq: 15 Jul 2022 09:22

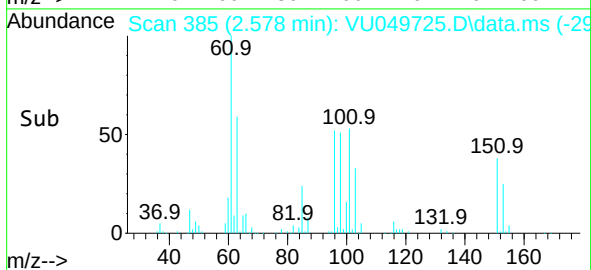
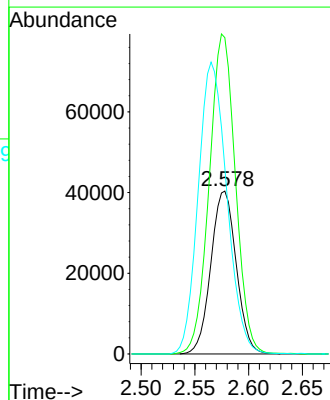
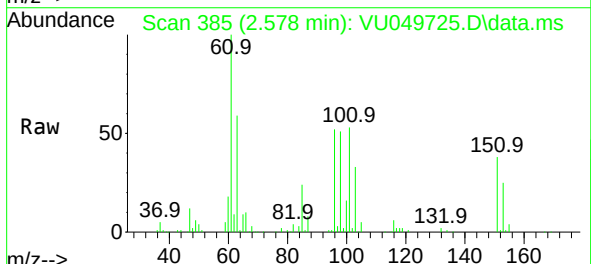
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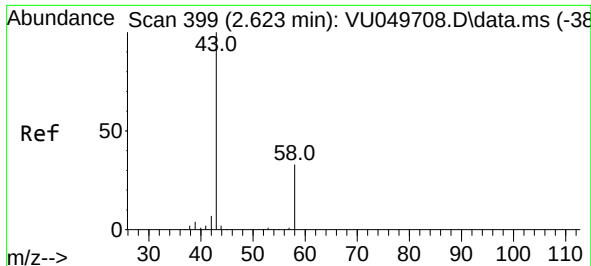
Tgt Ion: 101 Resp: 76077
 Ion Ratio Lower Upper
 101 100
 85 47.2 37.3 55.9
 151 72.2 56.9 85.3



#12
 1,1-Dichloroethene
 Concen: 45.453 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU049725.D
 Acq: 15 Jul 2022 09:22

Tgt Ion: 96 Resp: 66311
 Ion Ratio Lower Upper
 96 100
 61 194.2 129.6 240.6
 63 114.2 79.0 146.6





#13

Acetone

Concen: 81.764 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

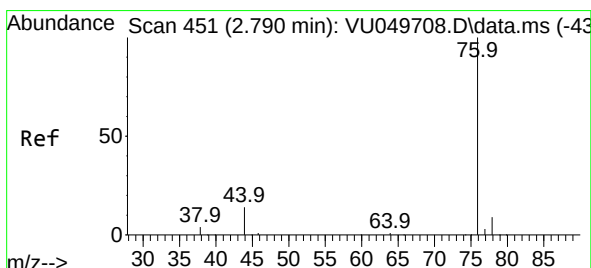
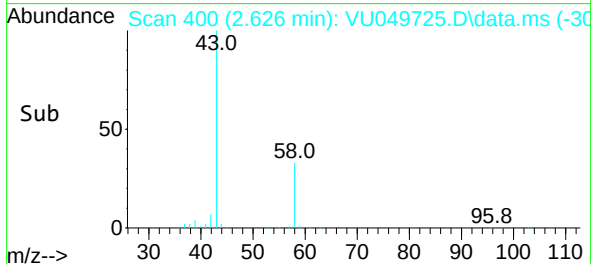
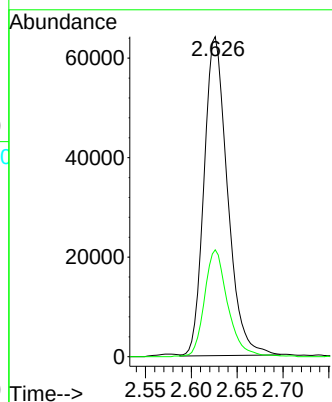
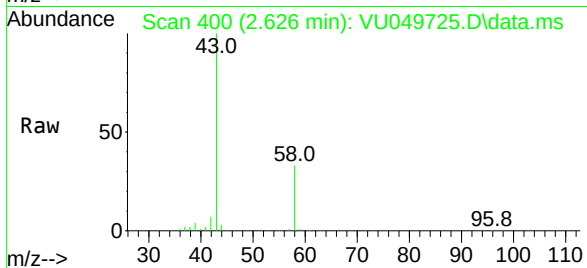
VSTD050165

Tgt Ion: 43 Resp: 114203

Ion Ratio Lower Upper

43 100

58 33.2 0.0 61.4



#14

Carbon disulfide

Concen: 42.401 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU049725.D

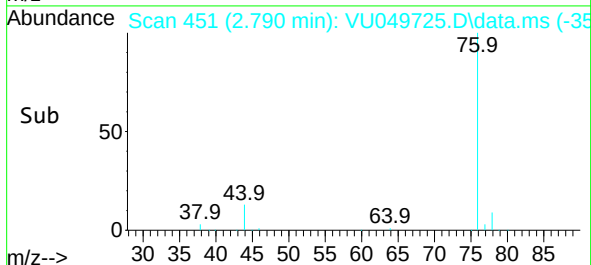
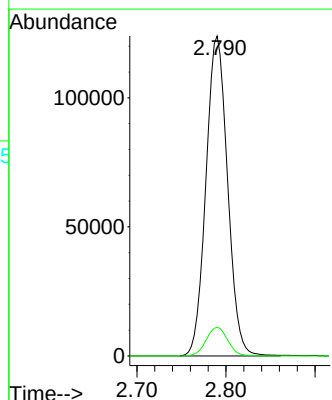
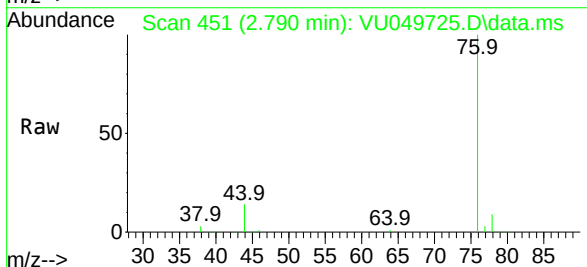
Acq: 15 Jul 2022 09:22

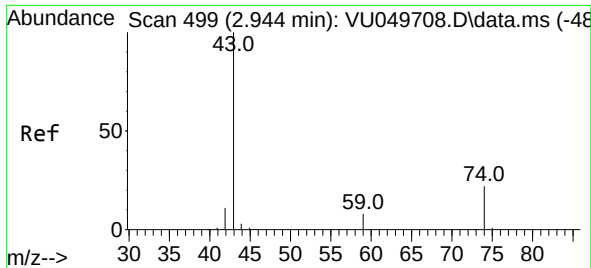
Tgt Ion: 76 Resp: 208595

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

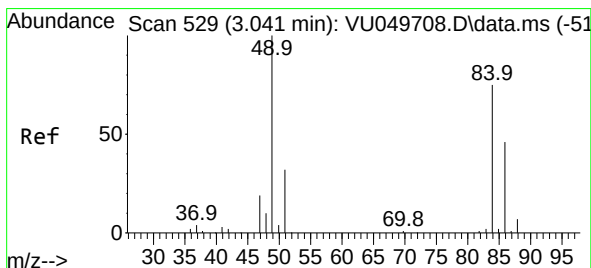
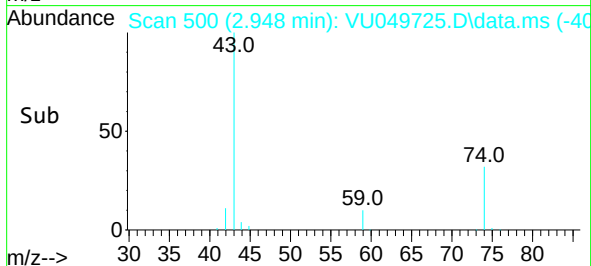
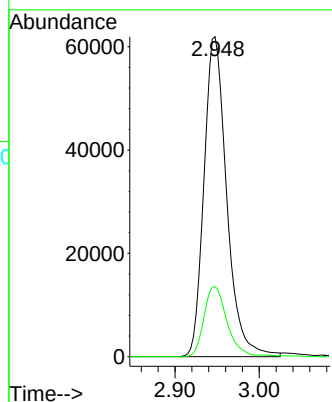
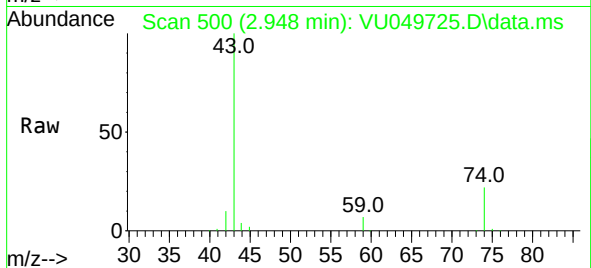




#15
Methyl Acetate
Concen: 51.314 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

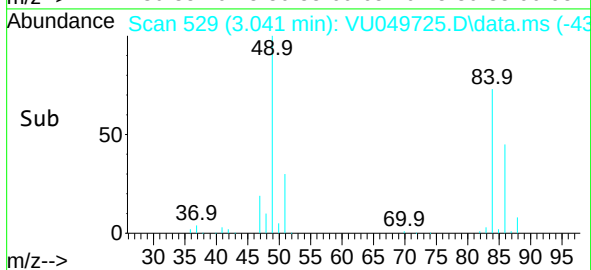
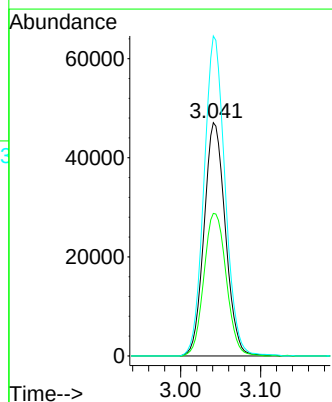
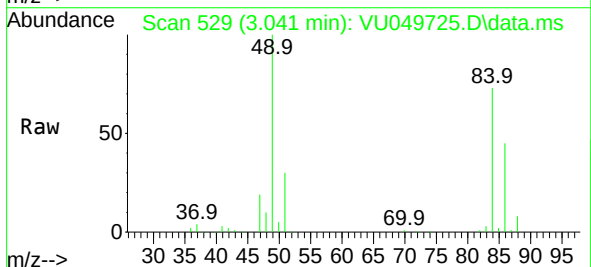
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

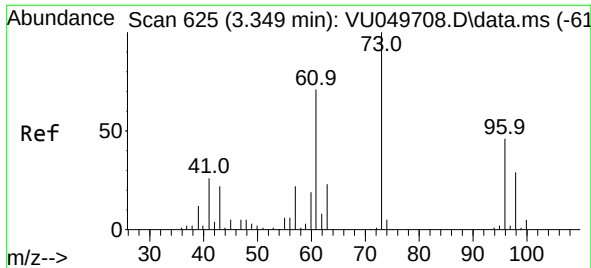
Tgt Ion: 43 Resp: 116441
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.0



#16
Methylene chloride
Concen: 47.661 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 84 Resp: 87560
Ion Ratio Lower Upper
84 100
86 61.1 45.6 84.6
49 137.1 94.4 175.4

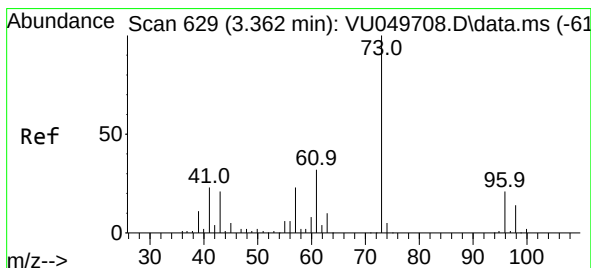
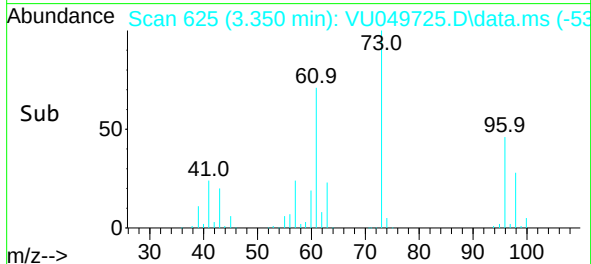
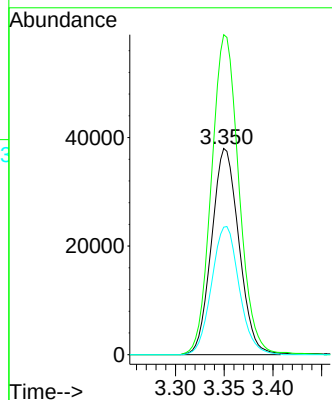
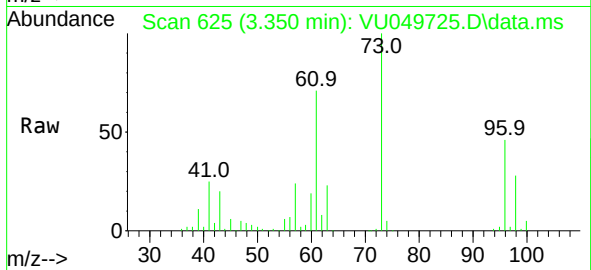




#17
trans-1,2-Dichloroethene
Concen: 46.441 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

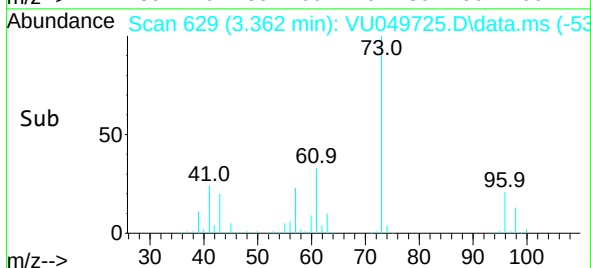
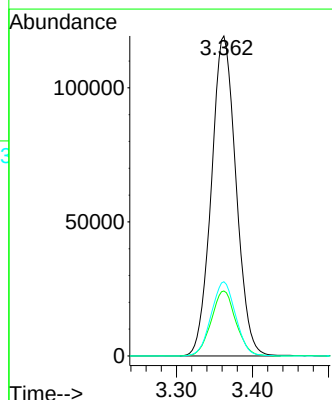
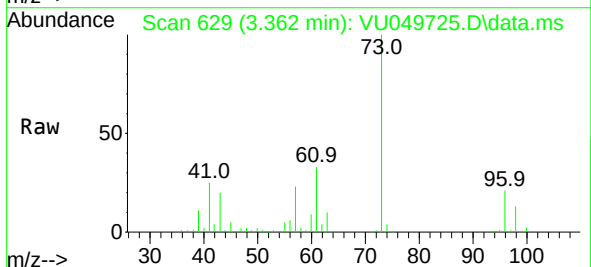
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

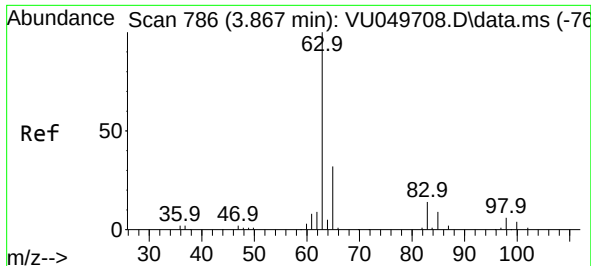
Tgt Ion: 96 Resp: 74116
Ion Ratio Lower Upper
96 100
61 155.2 107.6 199.8
98 61.8 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 49.069 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 73 Resp: 268231
Ion Ratio Lower Upper
73 100
43 20.4 17.0 25.4
57 23.0 18.5 27.7

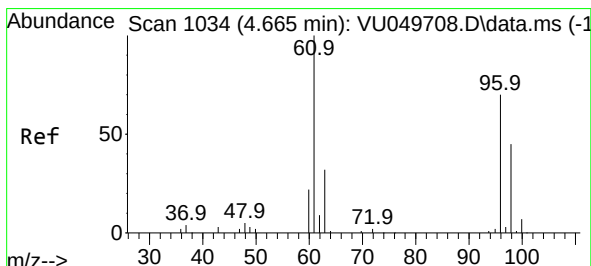
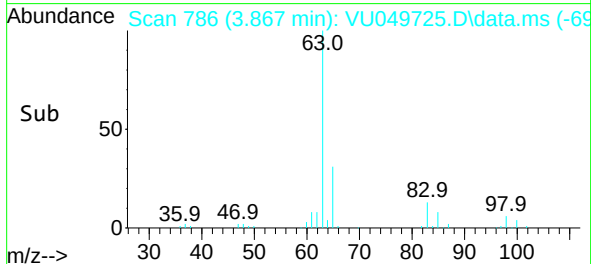
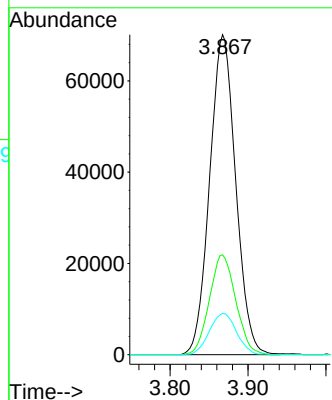
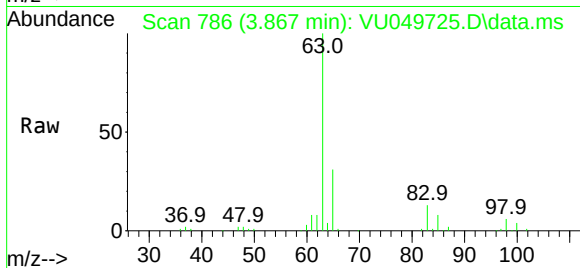




#19
1,1-Dichloroethane
Concen: 48.970 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

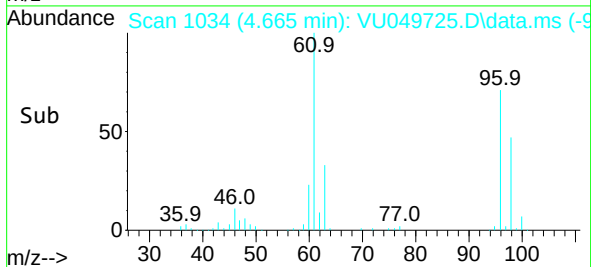
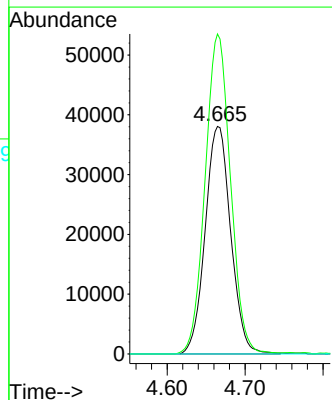
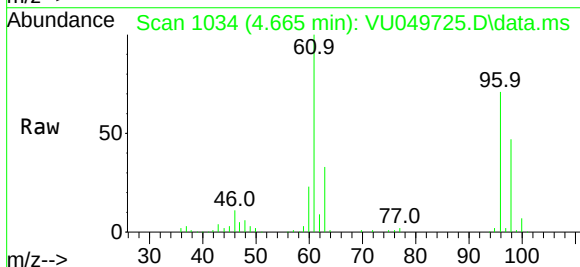
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

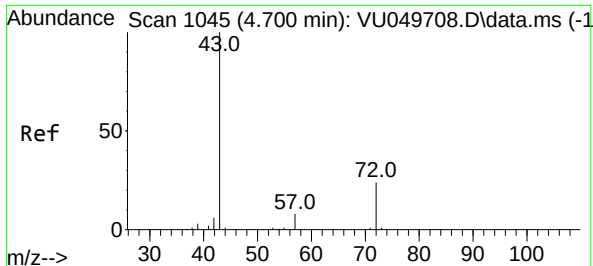
Tgt Ion: 63 Resp: 162707
Ion Ratio Lower Upper
63 100
65 31.2 22.6 42.0
83 12.9 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 48.347 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 96 Resp: 86717
Ion Ratio Lower Upper
96 100
61 140.6 101.1 187.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.644 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

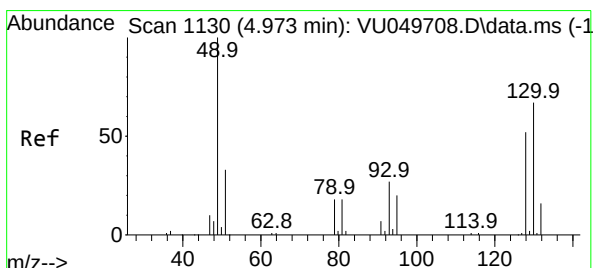
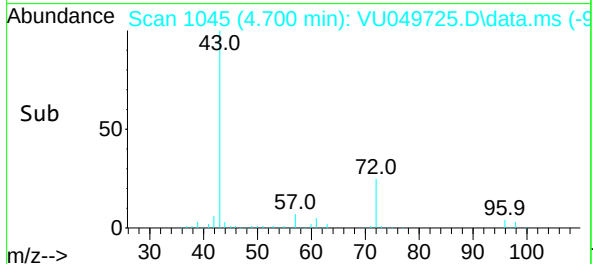
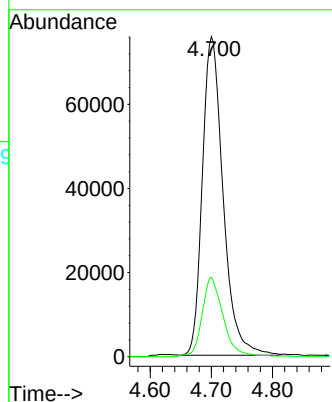
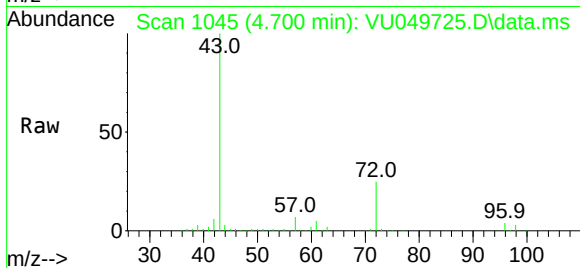
VSTD050165

Tgt Ion: 43 Resp: 178856

Ion Ratio Lower Upper

43 100

72 25.1 12.7 38.0



#23

Bromochloromethane

Concen: 49.627 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Tgt Ion: 128 Resp: 44414

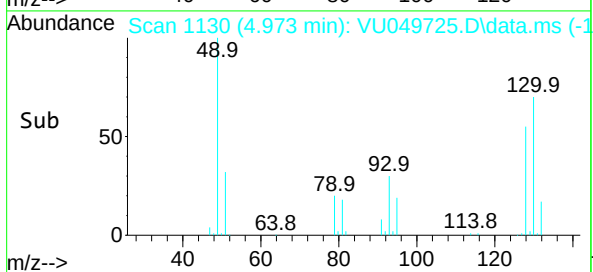
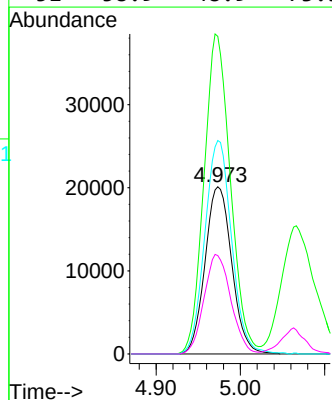
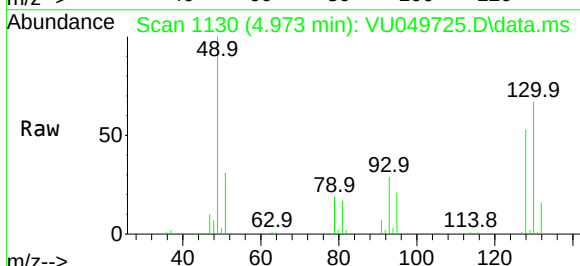
Ion Ratio Lower Upper

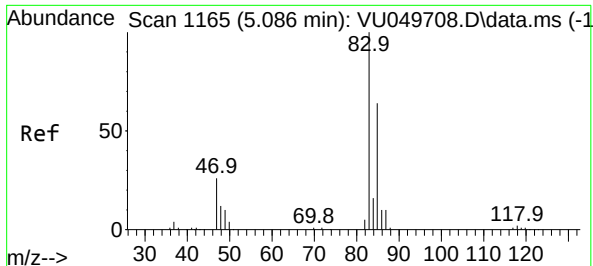
128 100

49 190.0 140.9 261.7

130 127.7 90.0 167.2

51 58.9 48.9 73.3

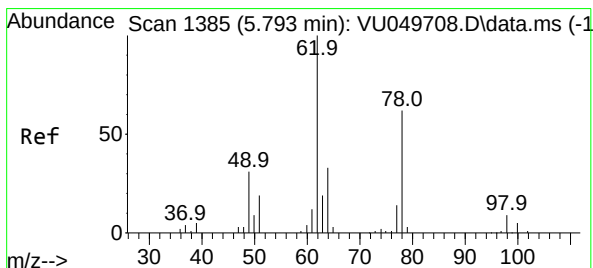
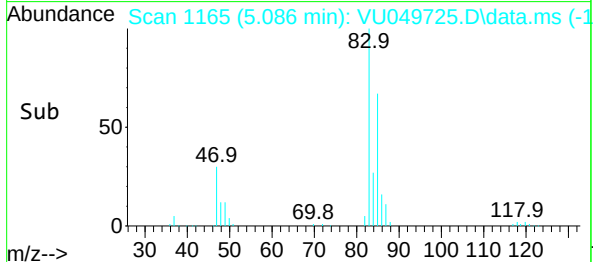
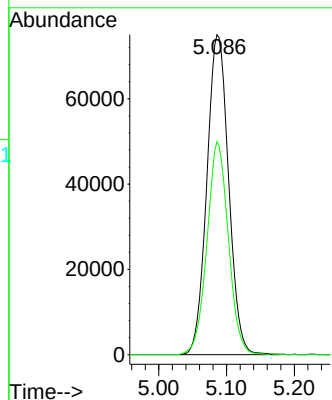
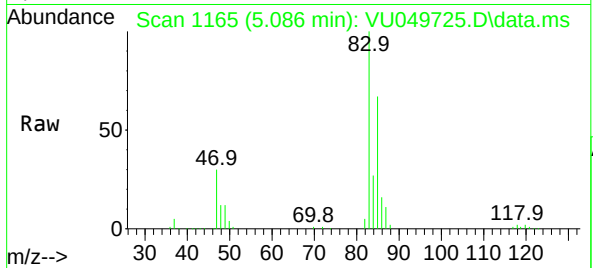




#25
Chloroform
Concen: 50.127 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

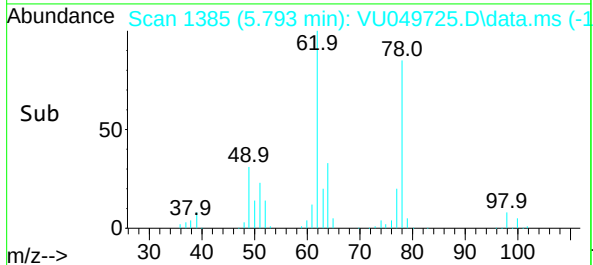
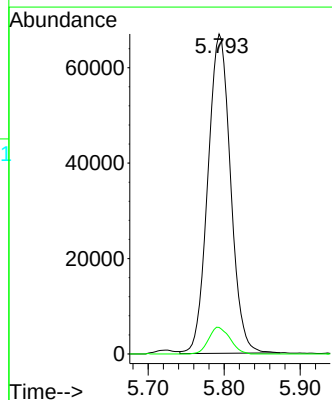
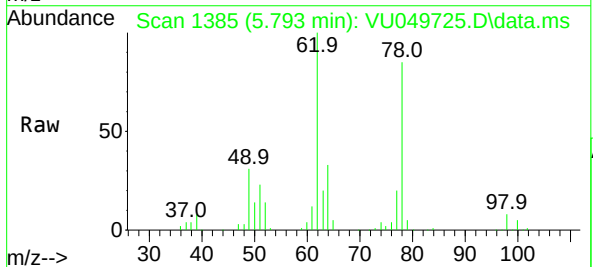
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

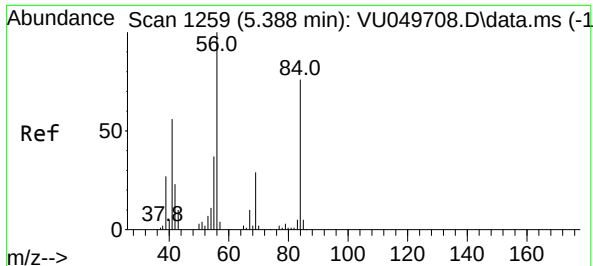
Tgt Ion: 83 Resp: 167009
Ion Ratio Lower Upper
83 100
85 66.5 45.2 84.0



#27
1,2-Dichloroethane
Concen: 48.959 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 62 Resp: 138894
Ion Ratio Lower Upper
62 100
98 8.3 6.7 10.1





#29

Cyclohexane

Concen: 46.773 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD050165

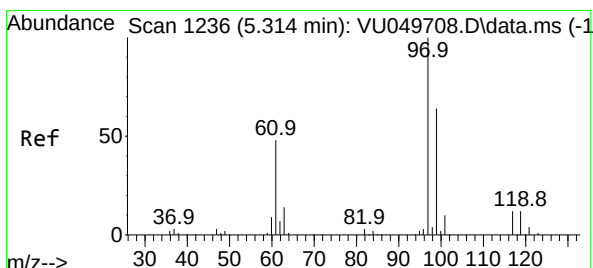
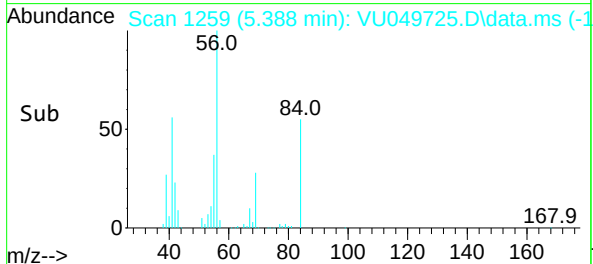
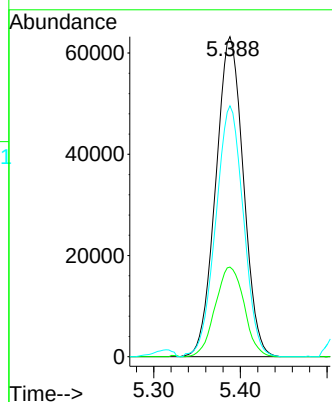
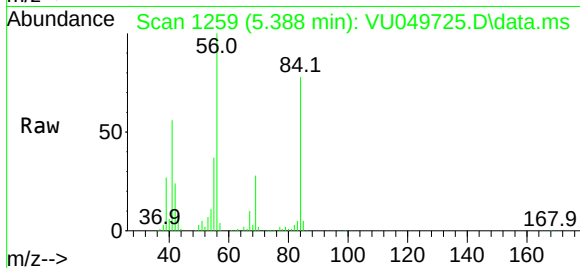
Tgt Ion: 56 Resp: 140176

Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.2

84 78.5 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 49.774 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

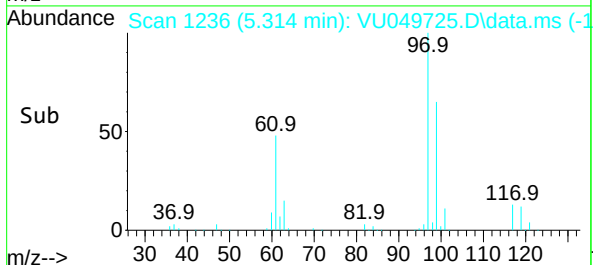
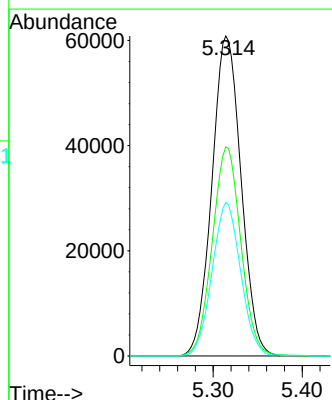
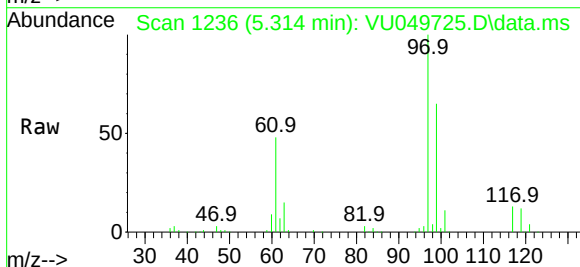
Tgt Ion: 97 Resp: 138355

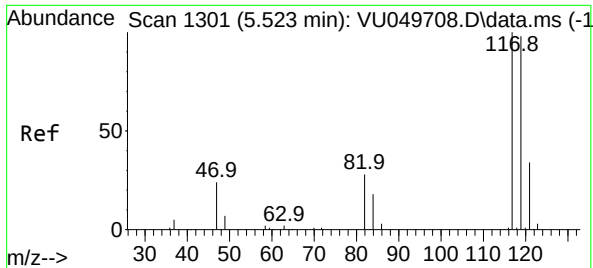
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 47.0 38.2 57.2

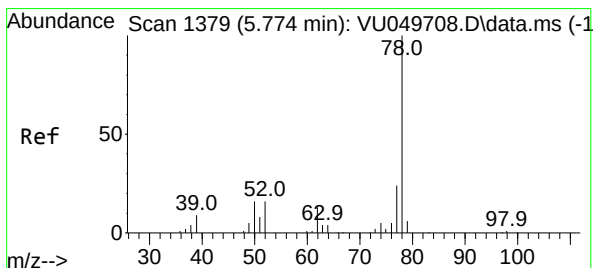
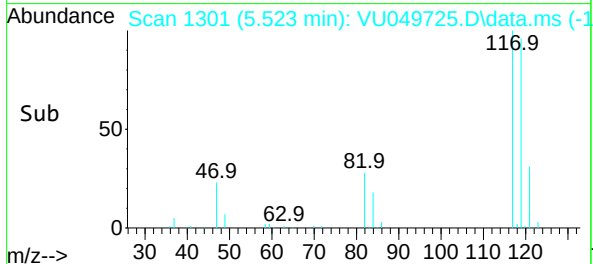
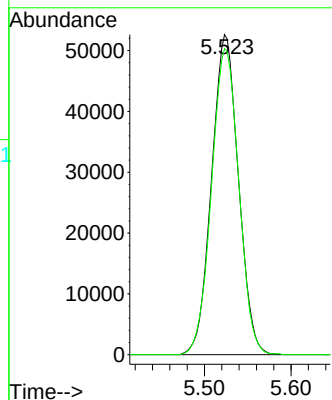
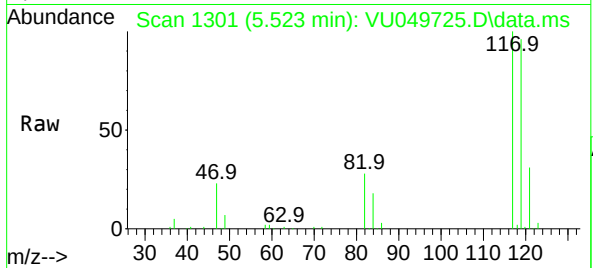




#31
Carbon tetrachloride
Concen: 49.808 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

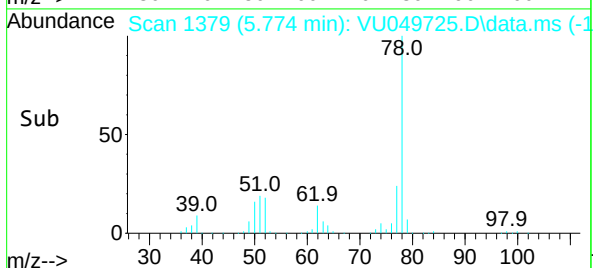
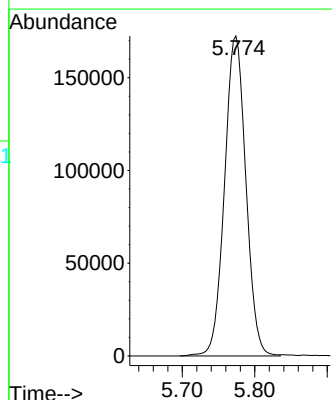
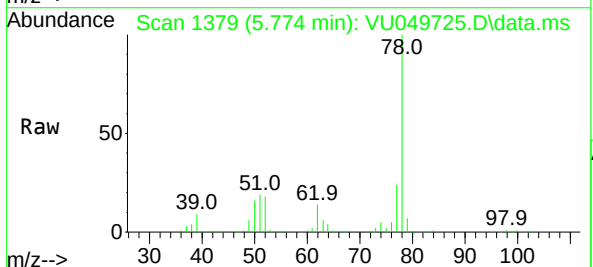
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

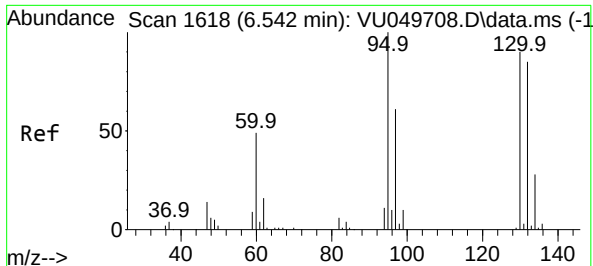
Tgt Ion:117 Resp: 113236
Ion Ratio Lower Upper
117 100
119 97.2 75.8 113.8



#33
Benzene
Concen: 48.824 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 78 Resp: 352367

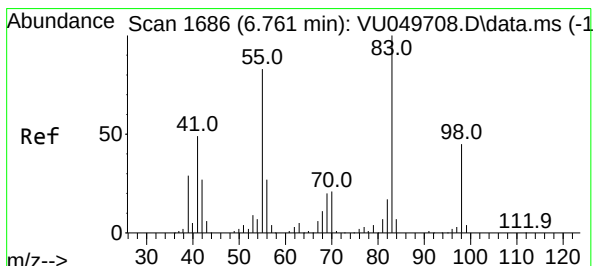
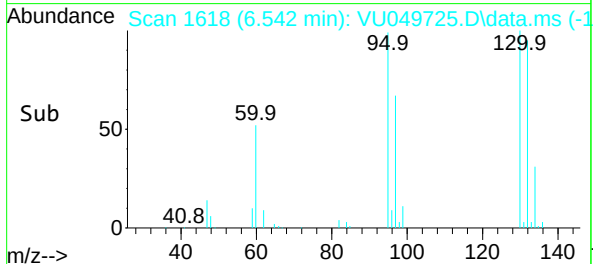
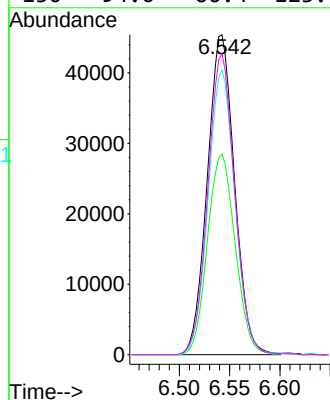
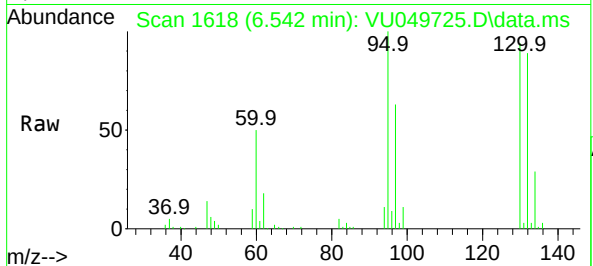




#34
Trichloroethene
Concen: 49.006 ug/L
RT: 6.542 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

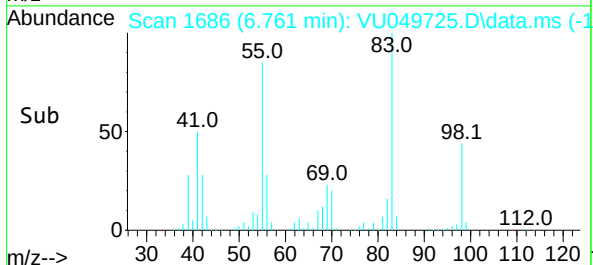
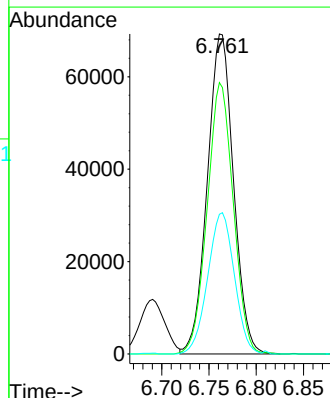
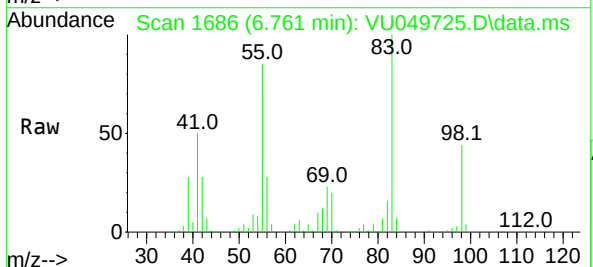
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

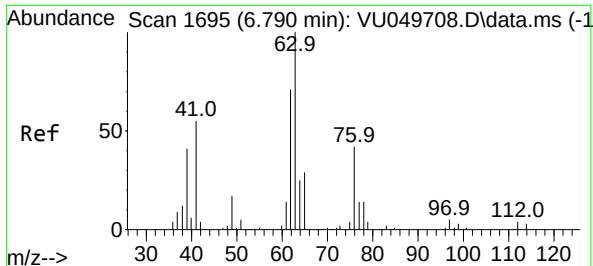
Tgt Ion: 95 Resp: 85493
Ion Ratio Lower Upper
95 100
97 62.7 46.9 87.1
132 89.0 62.7 116.5
130 94.0 66.4 123.4



#35
Methylcyclohexane
Concen: 48.691 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 83 Resp: 133482
Ion Ratio Lower Upper
83 100
55 84.4 66.0 99.0
98 44.9 34.6 51.8





#37

1,2-Dichloropropane

Concen: 49.761 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

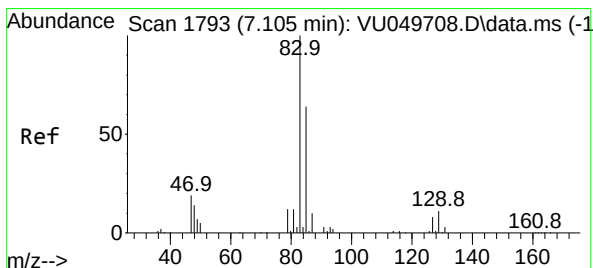
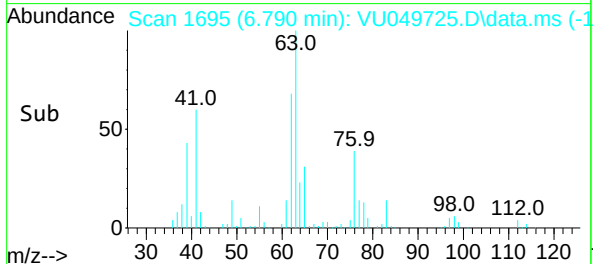
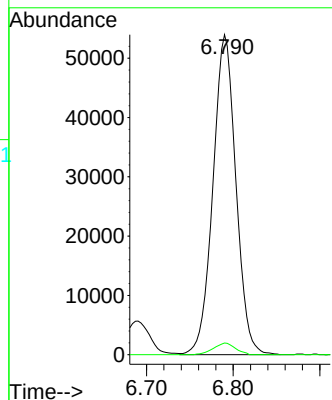
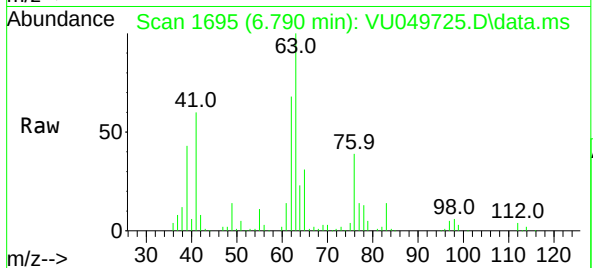
VSTD050165

Tgt Ion: 63 Resp: 99541

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 50.559 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

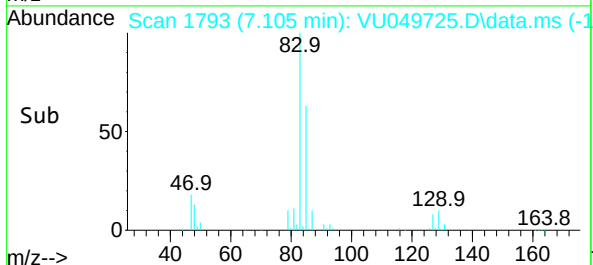
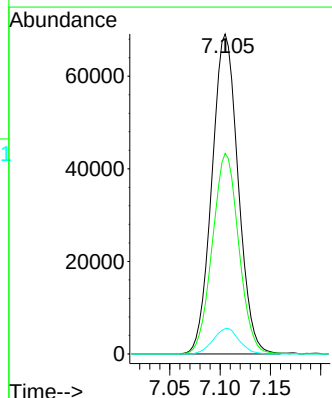
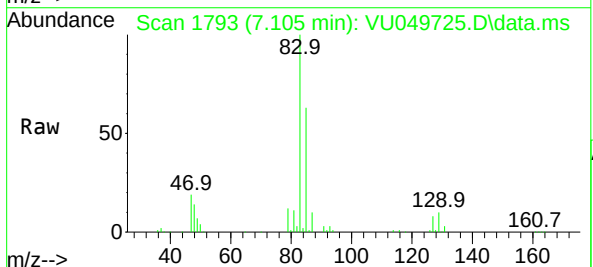
Tgt Ion: 83 Resp: 125396

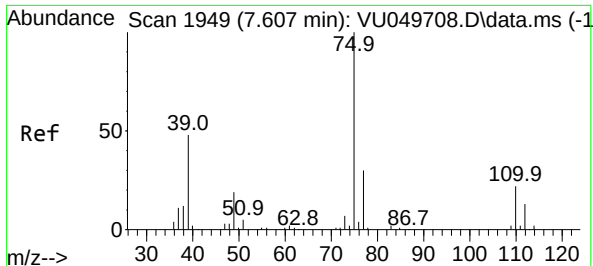
Ion Ratio Lower Upper

83 100

85 62.7 45.4 84.2

127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 51.645 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

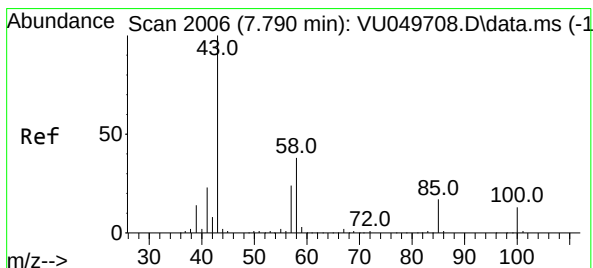
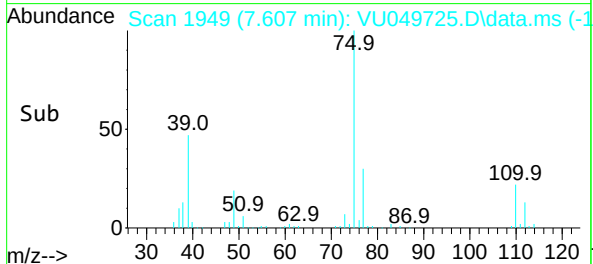
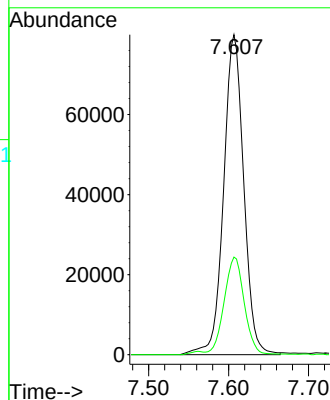
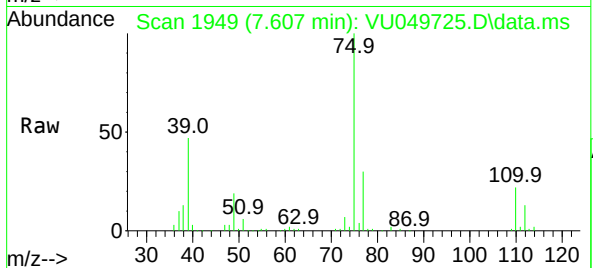
VSTD050165

Tgt Ion: 75 Resp: 139333

Ion Ratio Lower Upper

75 100

77 30.5 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 100.707 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

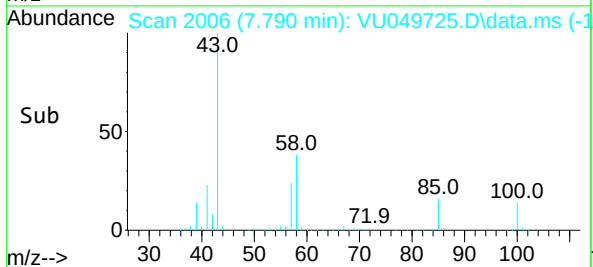
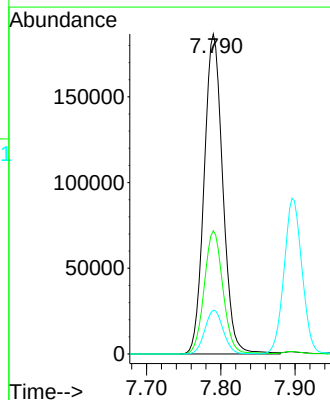
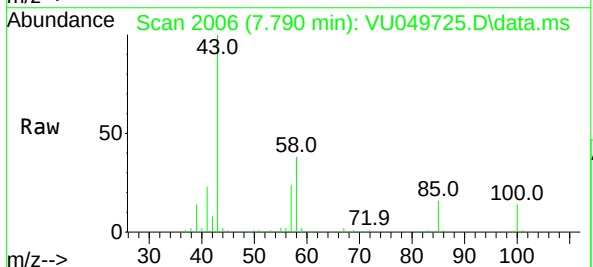
Tgt Ion: 43 Resp: 326129

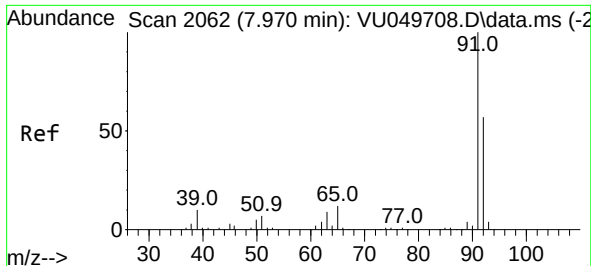
Ion Ratio Lower Upper

43 100

58 38.6 31.4 47.0

100 13.4 10.3 15.5





#42

Toluene

Concen: 50.015 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

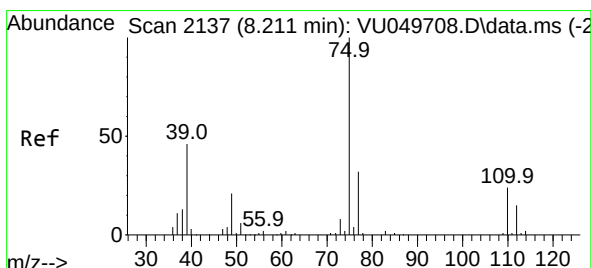
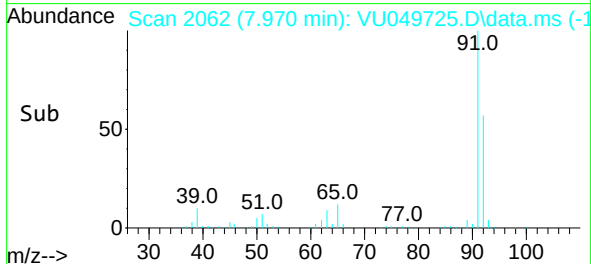
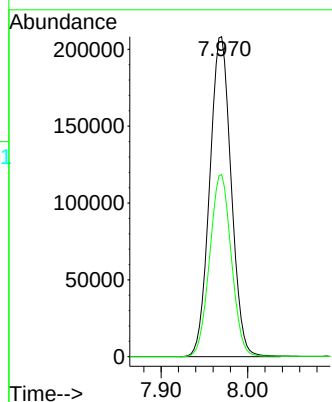
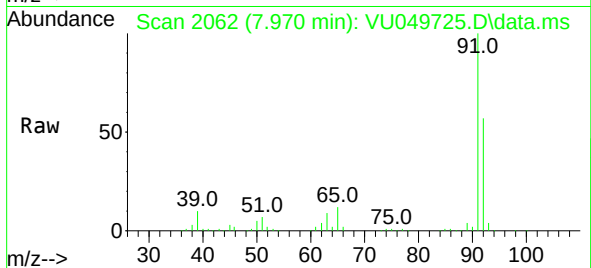
VSTD050165

Tgt Ion: 91 Resp: 358747

Ion Ratio Lower Upper

91 100

92 56.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 51.524 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU049725.D

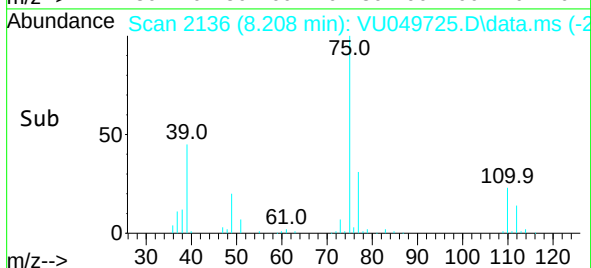
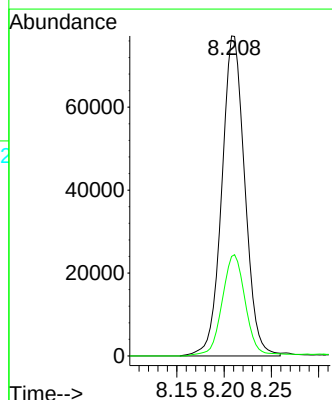
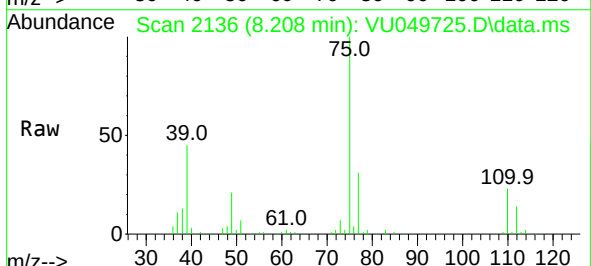
Acq: 15 Jul 2022 09:22

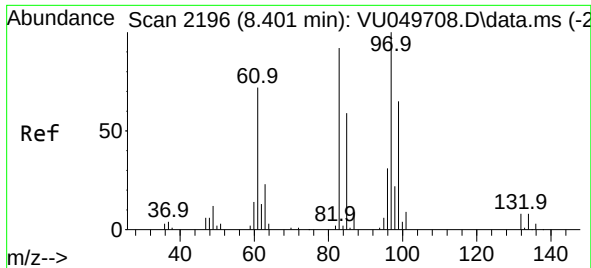
Tgt Ion: 75 Resp: 130519

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.9



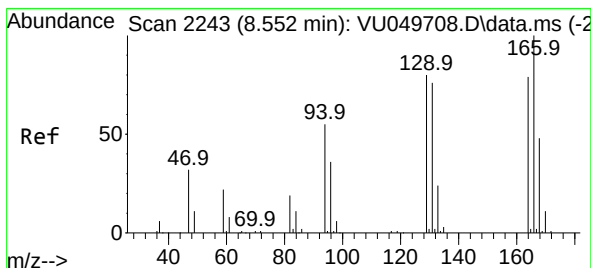
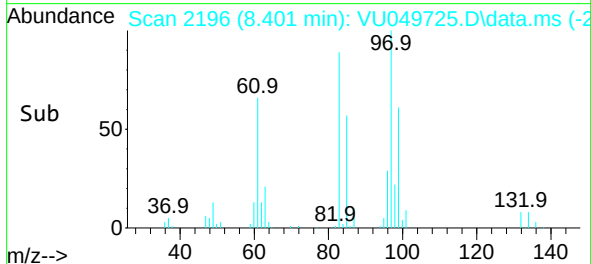
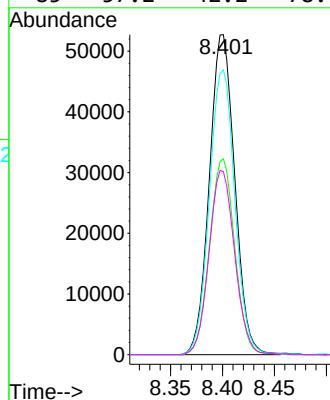
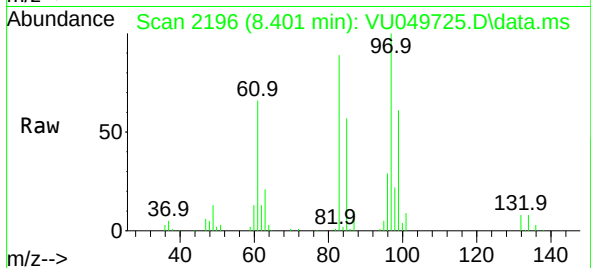


#45
1,1,2-Trichloroethane
Concen: 51.392 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

Tgt Ion: 97 Resp: 89733

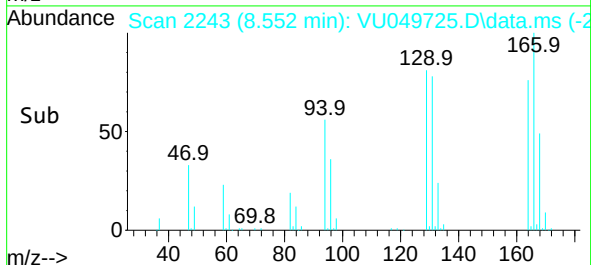
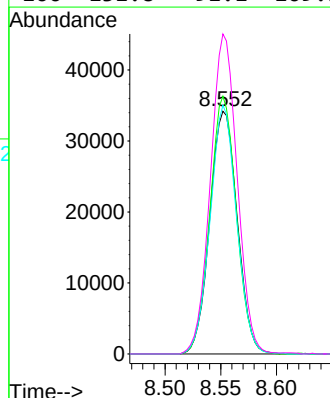
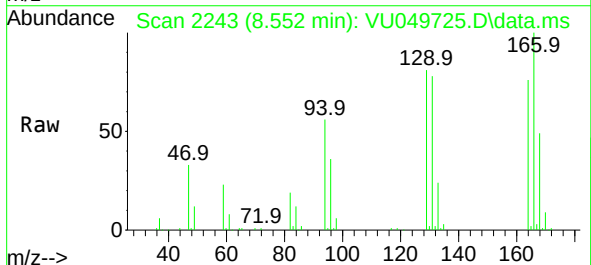
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.3	82.3
83	89.0	64.0	118.8
85	57.2	42.2	78.4

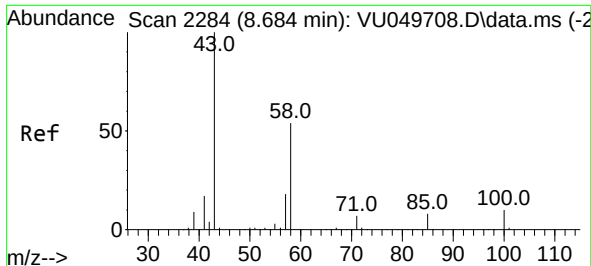


#46
Tetrachloroethene
Concen: 48.451 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 164 Resp: 58624

Ion	Ratio	Lower	Upper
164	100		
129	106.2	72.0	133.8
131	102.4	69.0	128.1
166	131.8	91.1	169.3



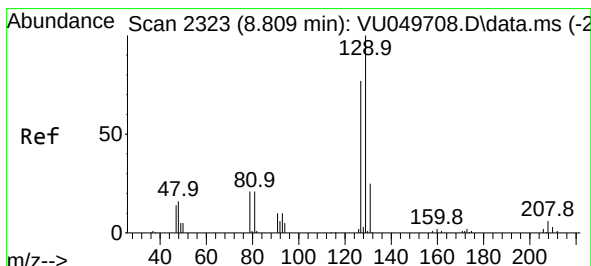
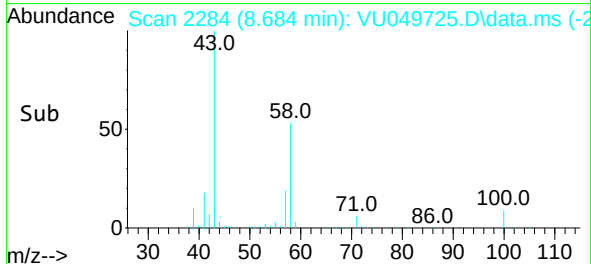
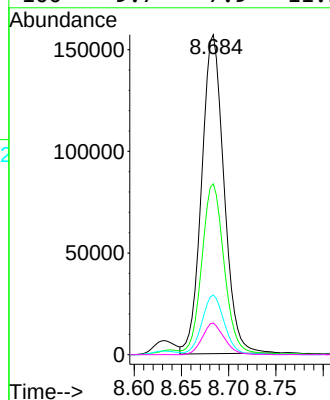
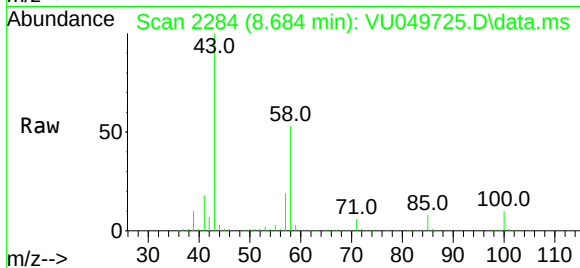


#48
2-Hexanone
Concen: 99.575 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

Tgt Ion: 43 Resp: 257687

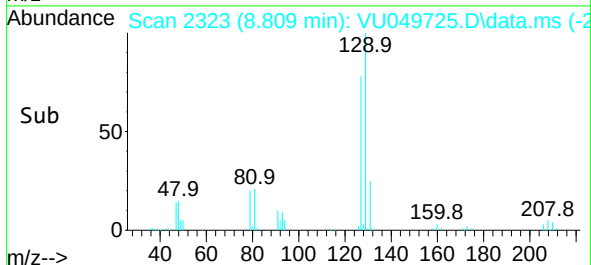
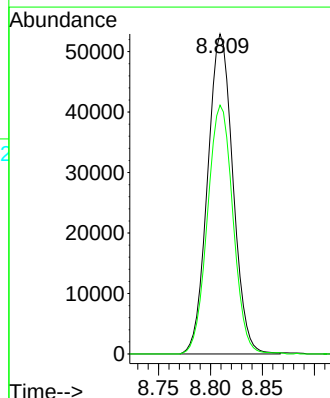
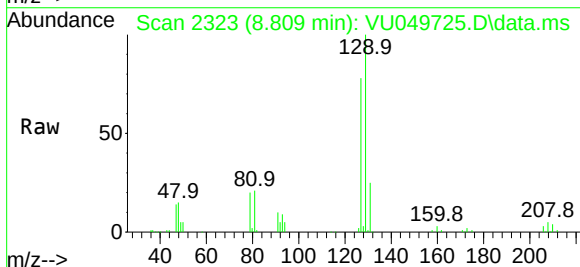
Ion	Ratio	Lower	Upper
43	100		
58	53.9	42.6	64.0
57	18.7	15.0	22.6
100	9.7	7.9	11.9

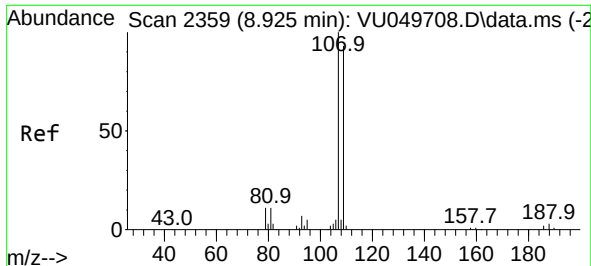


#49
Dibromochloromethane
Concen: 51.129 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 129 Resp: 89790

Ion	Ratio	Lower	Upper
129	100		
127	77.8	56.9	105.7

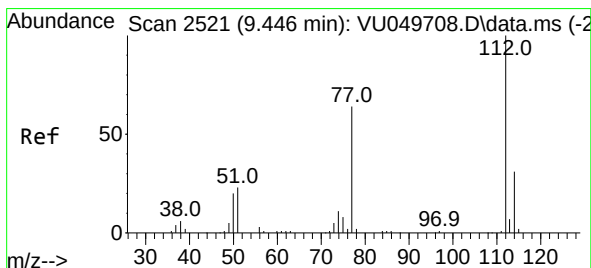
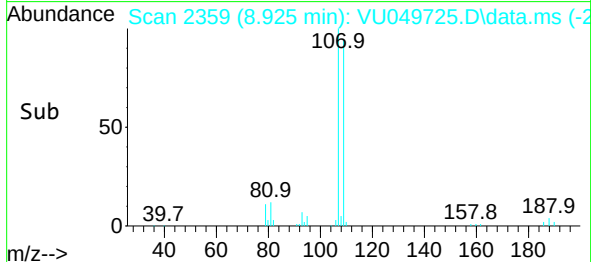
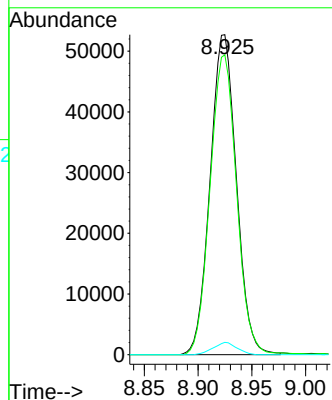
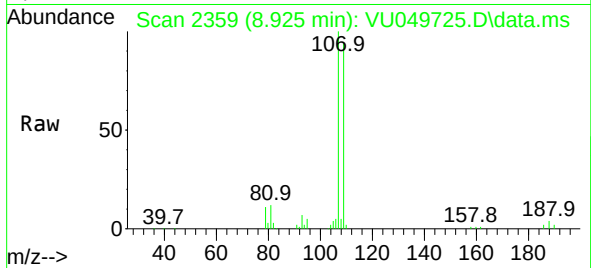




#50
1,2-Dibromoethane
Concen: 51.685 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

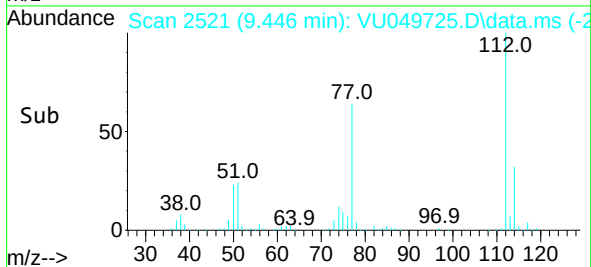
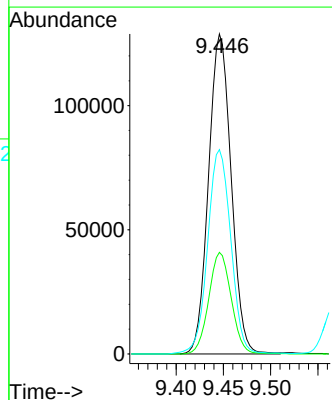
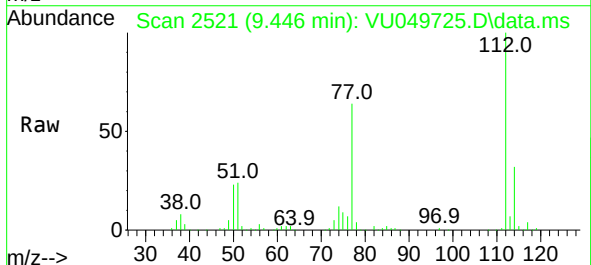
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

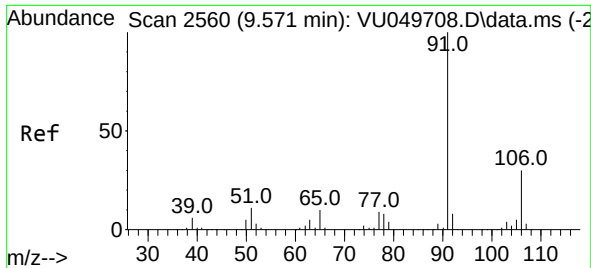
Tgt Ion:107 Resp: 89645
Ion Ratio Lower Upper
107 100
109 93.7 65.7 121.9
188 3.8 2.7 4.1



#51
Chlorobenzene
Concen: 49.435 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion:112 Resp: 214732
Ion Ratio Lower Upper
112 100
114 31.8 22.1 41.1
77 63.9 51.2 76.8

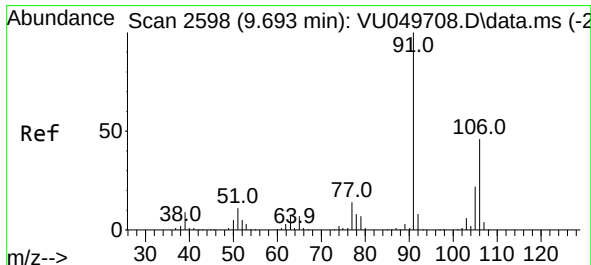
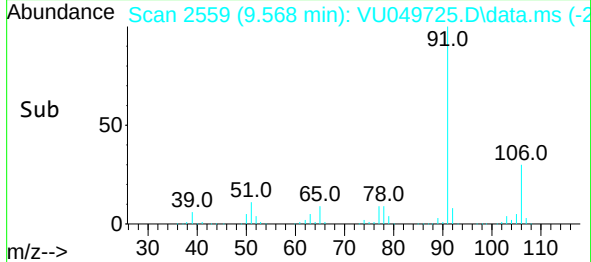
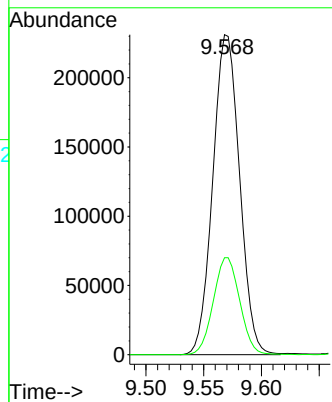
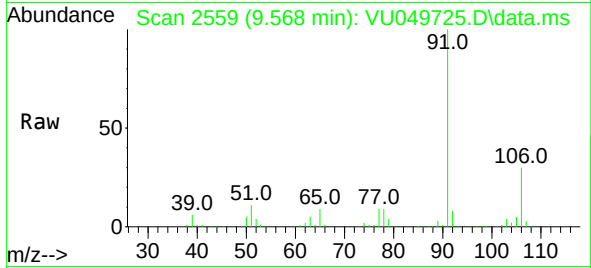




#52
Ethylbenzene
Concen: 49.212 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

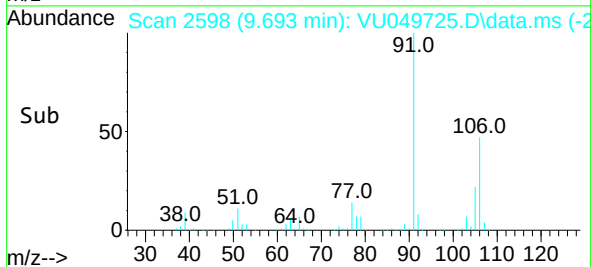
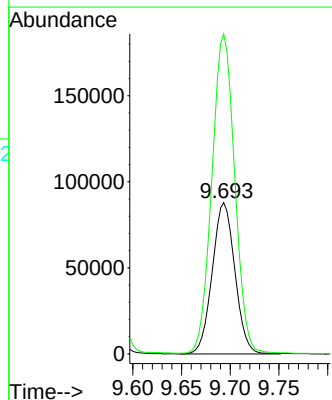
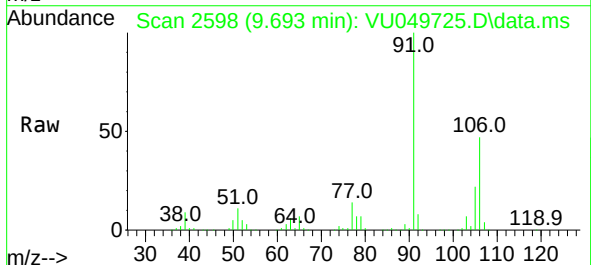
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

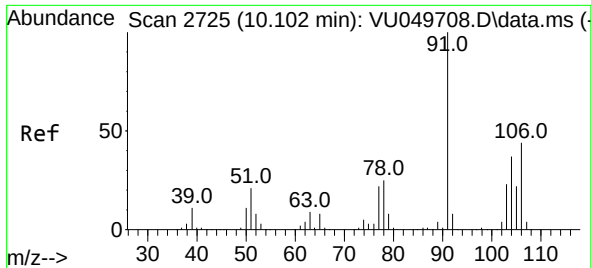
Tgt Ion: 91 Resp: 372496
Ion Ratio Lower Upper
91 100
106 30.3 21.0 39.0



#53
m,p-Xylene
Concen: 51.622 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 106 Resp: 142079
Ion Ratio Lower Upper
106 100
91 211.4 151.7 281.7

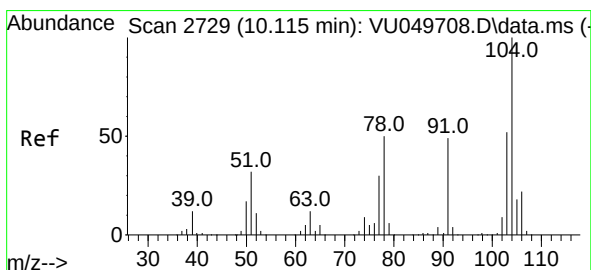
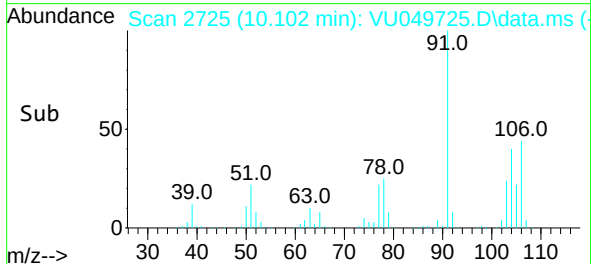
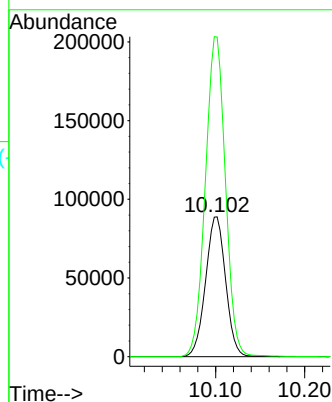
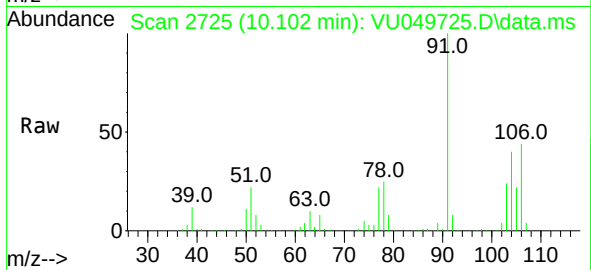




#54
o-Xylene
Concen: 49.985 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

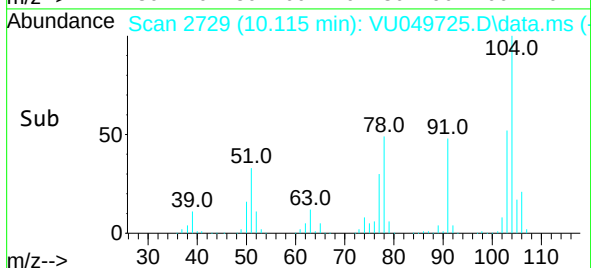
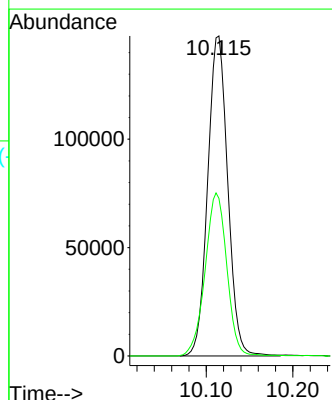
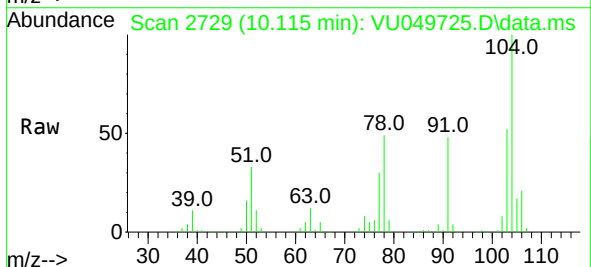
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

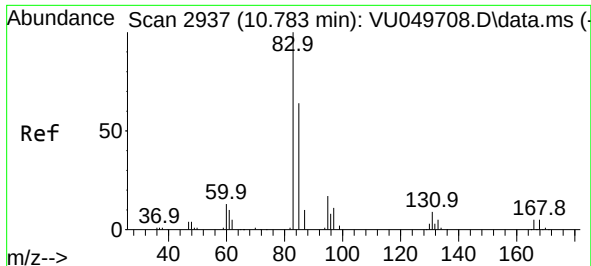
Tgt Ion:106 Resp: 138525
Ion Ratio Lower Upper
106 100
91 228.5 156.9 291.5



#55
Styrene
Concen: 51.887 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion:104 Resp: 237308
Ion Ratio Lower Upper
104 100
78 49.3 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 50.962 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD050165

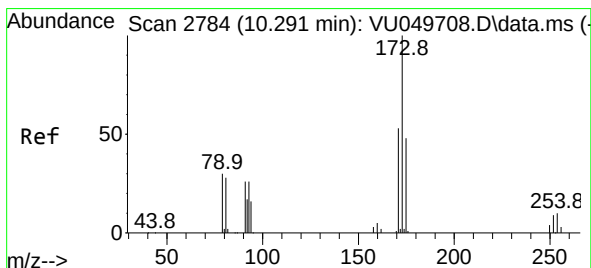
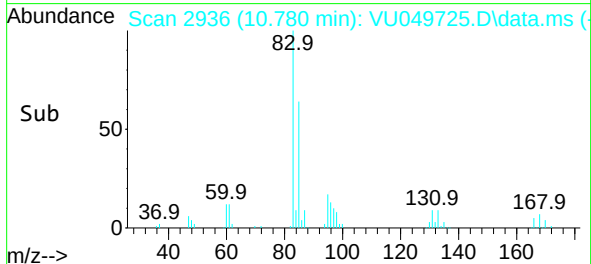
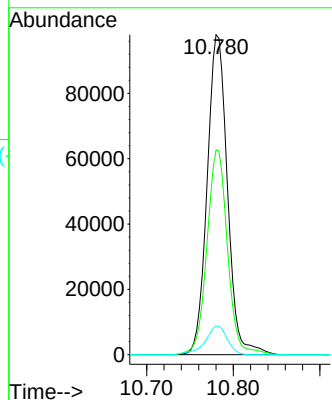
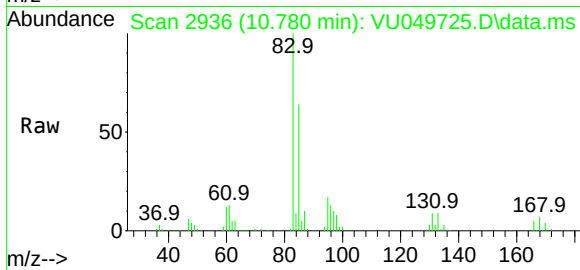
Tgt Ion: 83 Resp: 159282

Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6

131 9.0 7.0 10.6



#59

Bromoform

Concen: 48.721 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

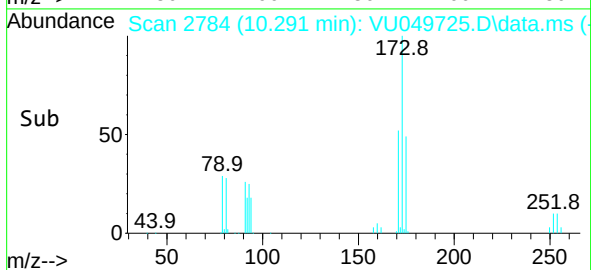
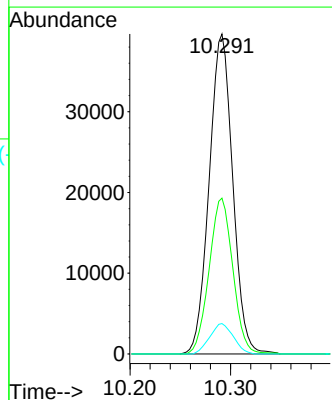
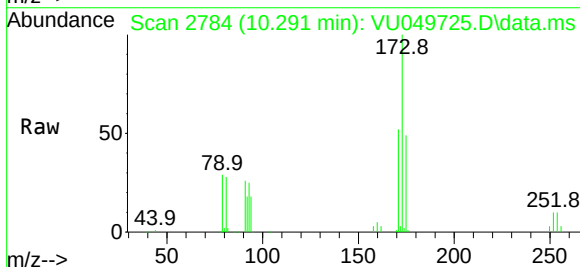
Tgt Ion:173 Resp: 64381

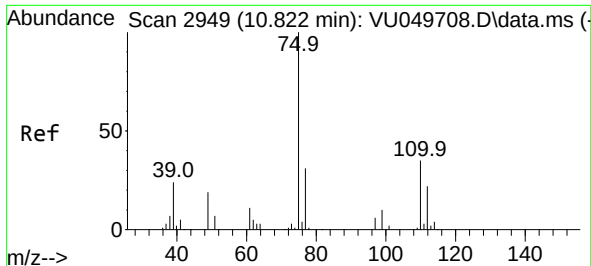
Ion Ratio Lower Upper

173 100

175 49.1 38.6 58.0

254 9.5 7.4 11.0

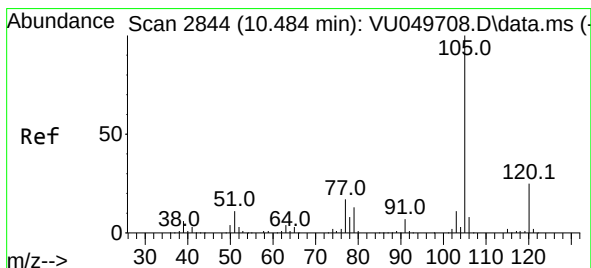
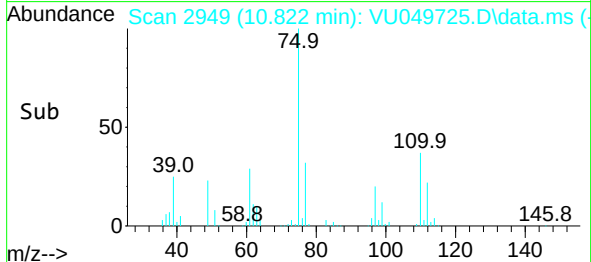
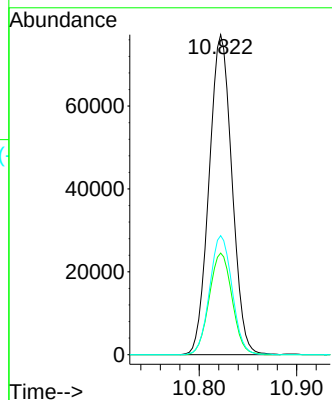
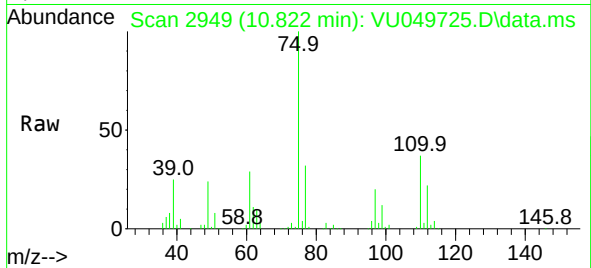




#60
1,2,3-Trichloropropane
Concen: 47.944 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

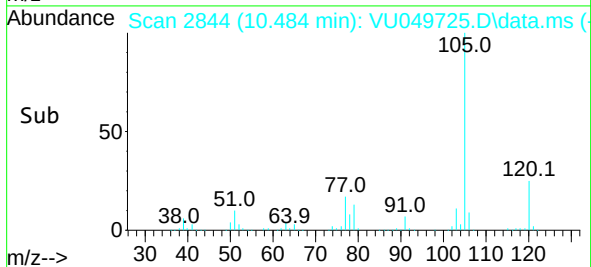
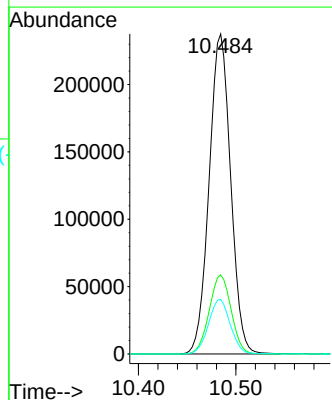
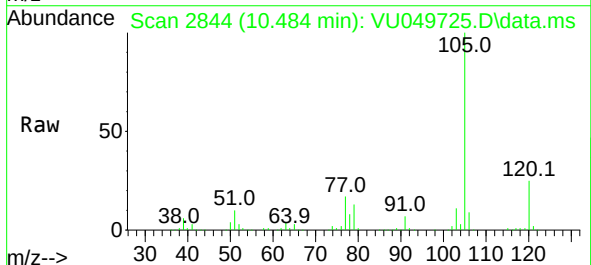
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165

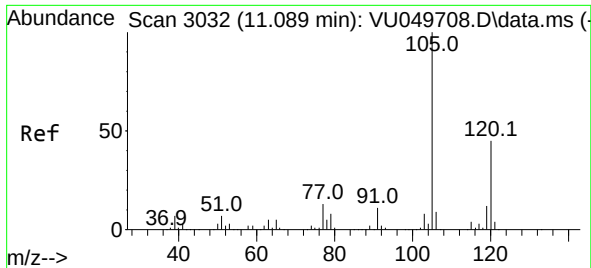
Tgt Ion: 75 Resp: 125816
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
110 36.4 28.9 43.3



#61
Isopropylbenzene
Concen: 49.550 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

Tgt Ion: 105 Resp: 364521
Ion Ratio Lower Upper
105 100
120 25.1 19.9 29.9
77 17.3 13.8 20.8

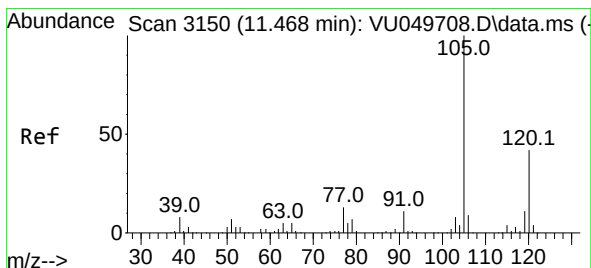
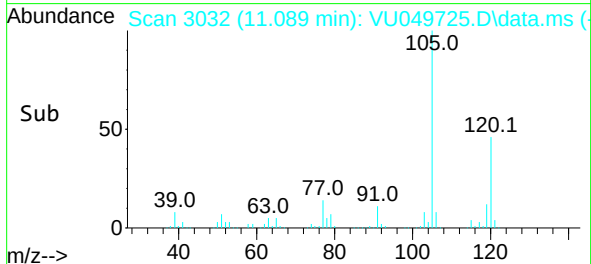
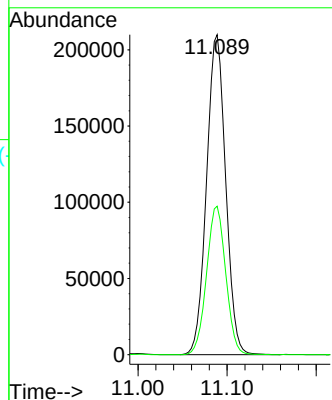
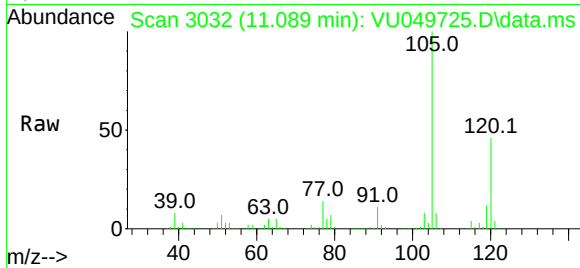




#62
 1,3,5-Trimethylbenzene
 Concen: 50.375 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU049725.D
 Acq: 15 Jul 2022 09:22

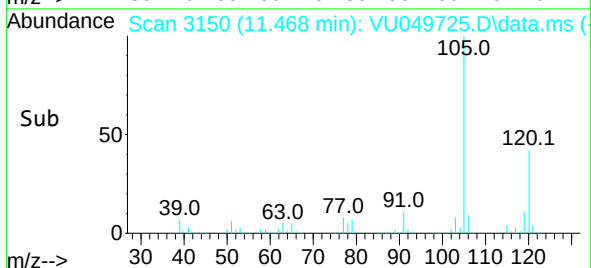
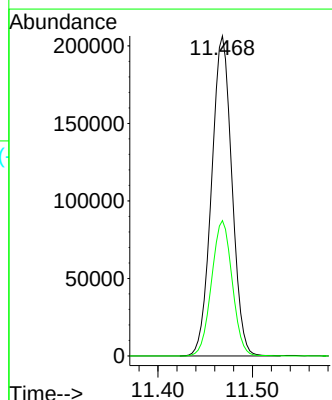
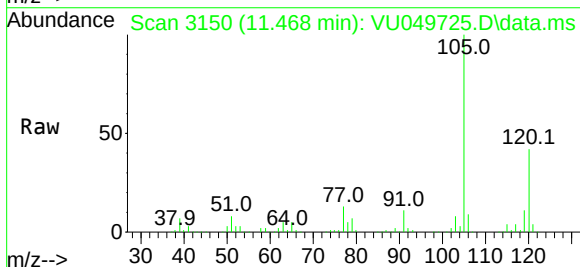
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050165

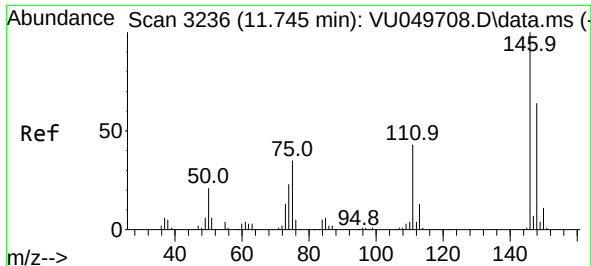
Tgt Ion:105 Resp: 312589
 Ion Ratio Lower Upper
 105 100
 120 46.6 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 50.053 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU049725.D
 Acq: 15 Jul 2022 09:22

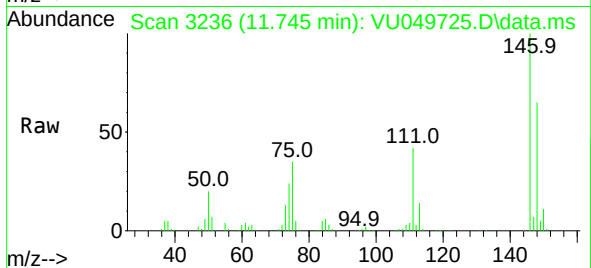
Tgt Ion:105 Resp: 308562
 Ion Ratio Lower Upper
 105 100
 120 42.9 33.9 50.9



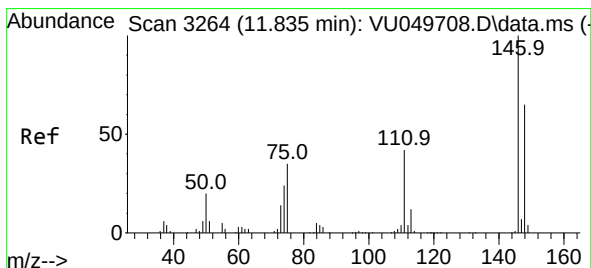
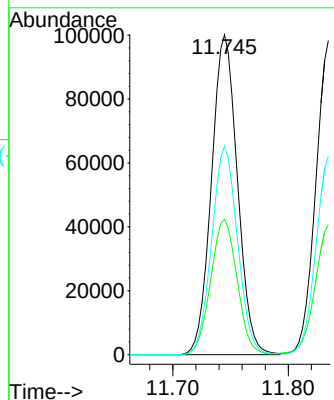
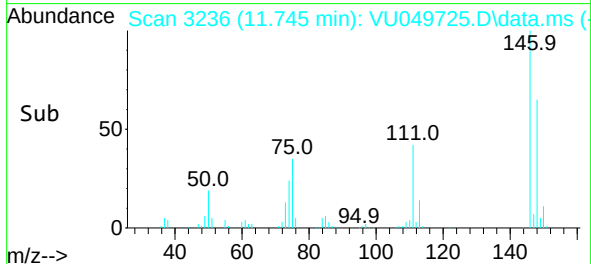


#64
1,3-Dichlorobenzene
Concen: 48.635 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22

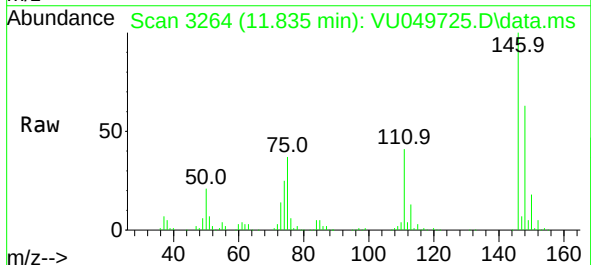
Instrument :
MSVOA_U
ClientSampleId :
VSTD050165



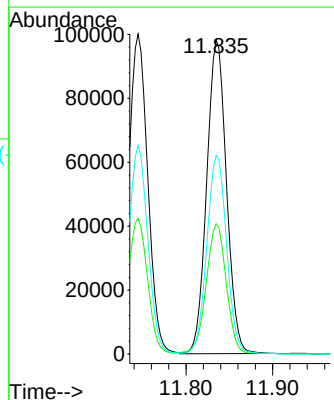
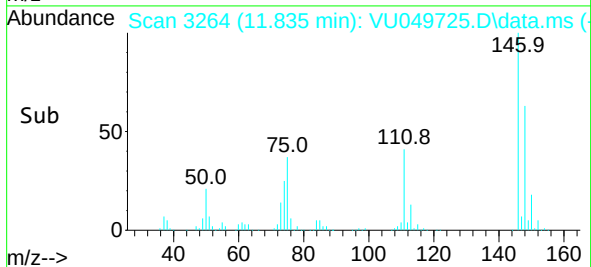
Tgt Ion:146 Resp: 156185
Ion Ratio Lower Upper
146 100
111 42.4 30.0 55.6
148 65.1 45.1 83.9

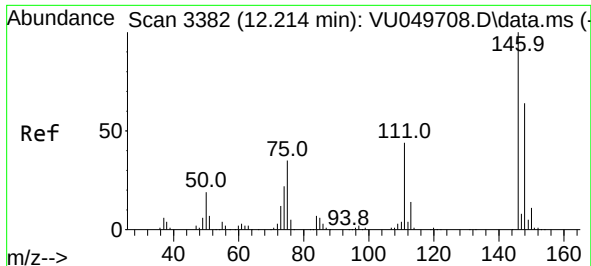


#65
1,4-Dichlorobenzene
Concen: 48.229 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049725.D
Acq: 15 Jul 2022 09:22



Tgt Ion:146 Resp: 155582
Ion Ratio Lower Upper
146 100
111 41.4 29.1 54.1
148 63.1 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 48.740 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD050165

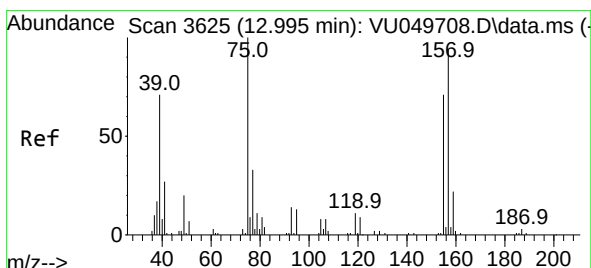
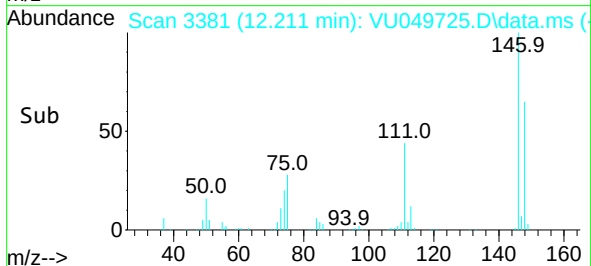
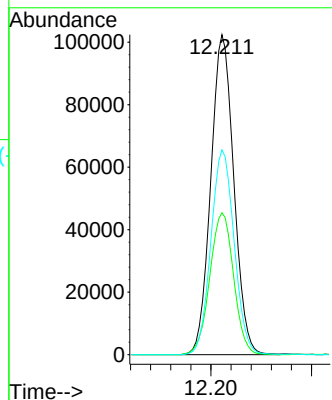
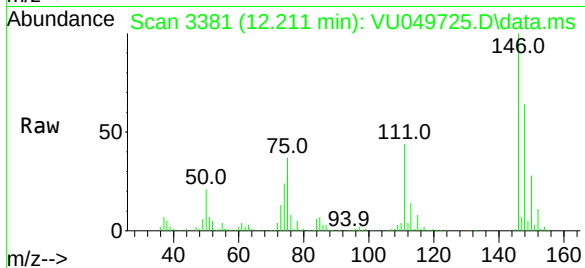
Tgt Ion:146 Resp: 162760

Ion Ratio Lower Upper

146 100

111 44.4 35.8 53.8

148 64.0 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 50.234 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

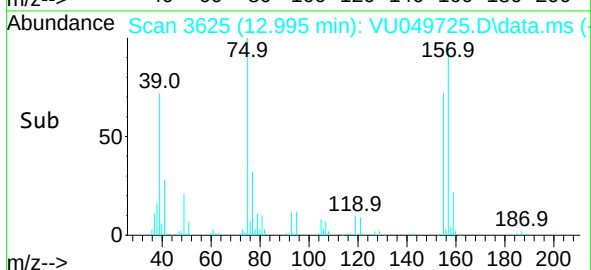
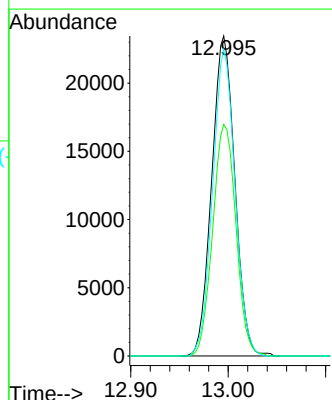
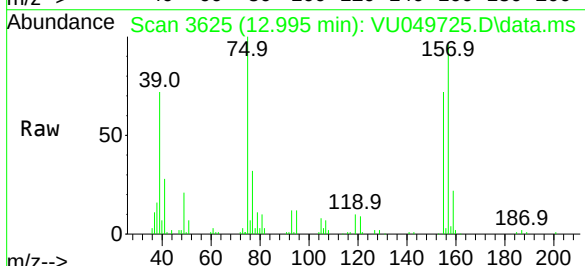
Tgt Ion: 75 Resp: 38627

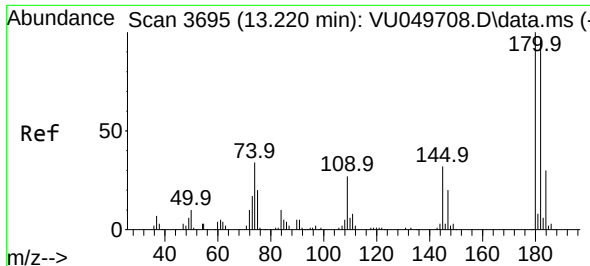
Ion Ratio Lower Upper

75 100

155 72.3 57.7 86.5

157 95.8 75.6 113.4





#69

1,3,5-Trichlorobenzene

Concen: 50.560 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.003 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD050165

Tgt Ion:180 Resp: 113774

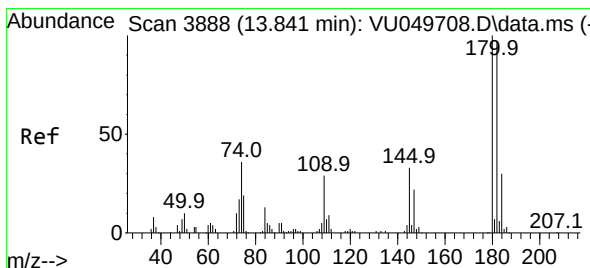
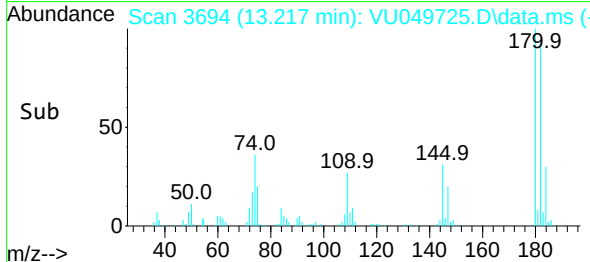
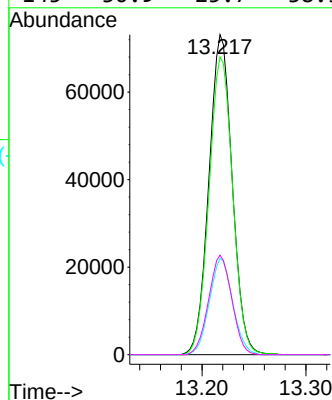
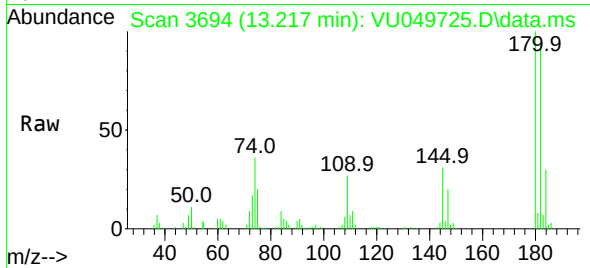
Ion Ratio Lower Upper

180 100

182 94.2 76.0 114.0

184 30.0 24.0 36.0

145 30.9 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 47.282 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

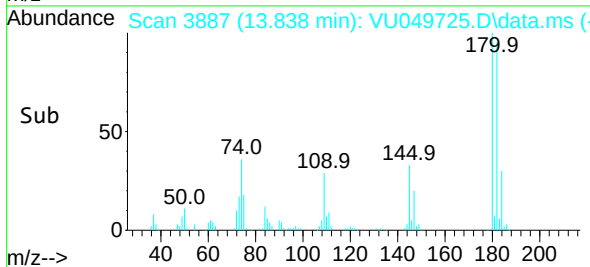
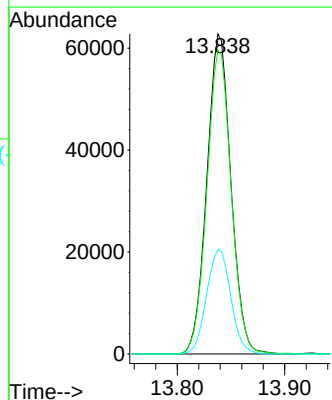
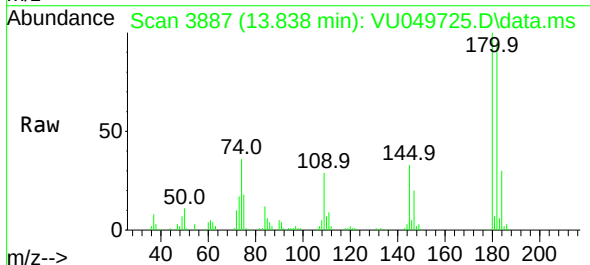
Tgt Ion:180 Resp: 97641

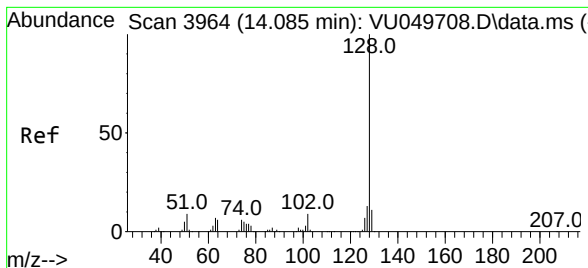
Ion Ratio Lower Upper

180 100

182 95.8 74.8 112.2

145 32.8 24.7 37.1





#71

Naphthalene

Concen: 47.289 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD050165

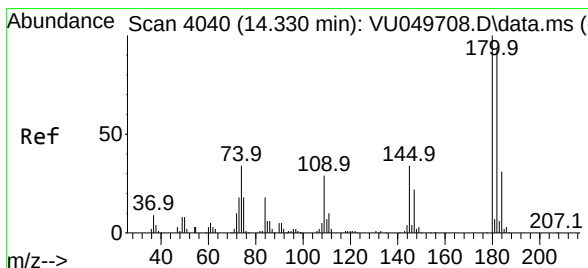
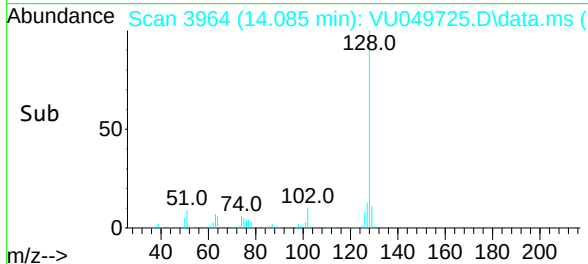
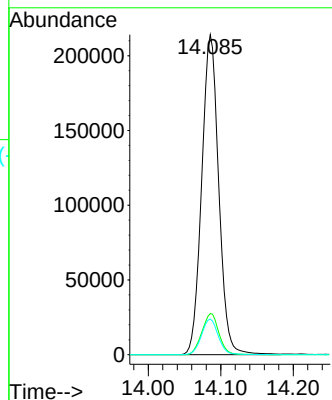
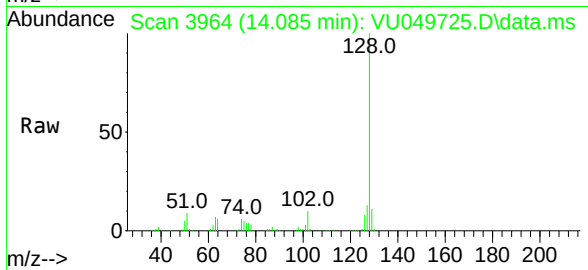
Tgt Ion:128 Resp: 349102

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 49.405 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.003 min

Lab File: VU049725.D

Acq: 15 Jul 2022 09:22

Tgt Ion:180 Resp: 105682

Ion Ratio Lower Upper

180 100

182 95.4 76.6 115.0

145 33.8 27.1 40.7

