

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071522\
 Data File : U049749.D
 Acq On : 15 Jul 2022 20:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050166

Quant Time: Jul 15 23:10:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 15 23:03:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	199792	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	186307	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	90095	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	61765	36.640	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.280%
7) Chloroethane-d5	1.899	69	50010	41.042	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.080%
11) 1,1-Dichloroethene-d2	2.562	63	121331	40.747	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.500%
21) 2-Butanone-d5	4.620	46	169711	117.932	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.930%
24) Chloroform-d	5.060	84	152430	51.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.100%
26) 1,2-Dichloroethane-d4	5.700	65	104053	51.493	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.980%
32) Benzene-d6	5.726	84	266888	47.154	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.300%
36) 1,2-Dichloropropane-d6	6.690	67	96511	50.695	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.380%
41) Toluene-d8	7.896	98	229940	46.651	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.300%
43) trans-1,3-Dichloroprop...	8.179	79	40024	49.899	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.800%
47) 2-Hexanone-d5	8.632	63	96272	112.419	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.420%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	147504	55.374	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.740%
66) 1,2-Dichlorobenzene-d4	12.192	152	86187	50.737	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	102923	42.976	ug/L	100
3) Chloromethane	1.520	50	124427	47.339	ug/L	100
5) Vinyl chloride	1.600	62	103528	43.589	ug/L	99
6) Bromomethane	1.838	94	52873	48.181	ug/L	94
8) Chloroethane	1.922	64	60566	46.033	ug/L	98
9) Trichlorofluoromethane	2.131	101	130676	44.551	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	65953	42.851	ug/L	99
12) 1,1-Dichloroethene	2.575	96	63509	44.460	ug/L	98
13) Acetone	2.626	43	115333	84.332	ug/L	98
14) Carbon disulfide	2.787	76	189733	39.388	ug/L	99
15) Methyl Acetate	2.944	43	125409	56.443	ug/L	100
16) Methylene chloride	3.041	84	93269	51.850	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	70615	45.190	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	277882	51.917	ug/L	99
19) 1,1-Dichloroethane	3.864	63	163301	50.196	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	88160	50.199	ug/L	93
22) 2-Butanone	4.700	43	191468	104.569	ug/L	99
23) Bromochloromethane	4.973	128	45015	51.370	ug/L	96
25) Chloroform	5.086	83	165008	50.582	ug/L	98

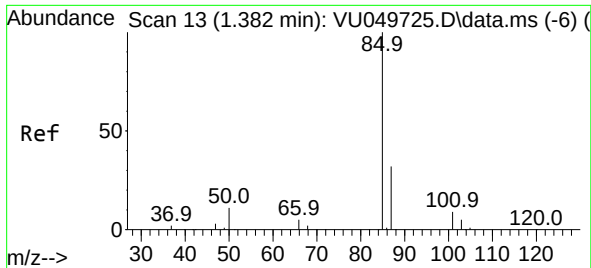
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Quant Time: Jul 15 23:10:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 15 23:03:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	142103	51.157	ug/L	99
29) Cyclohexane	5.385	56	126826	43.612	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	134768	49.966	ug/L	99
31) Carbon tetrachloride	5.520	117	107595	48.773	ug/L	100
33) Benzene	5.771	78	349007	49.837	ug/L	100
34) Trichloroethene	6.542	95	80333	47.456	ug/L	96
35) Methylcyclohexane	6.761	83	112783	42.399	ug/L	98
37) 1,2-Dichloropropane	6.790	63	99627	51.326	ug/L	99
38) Bromodichloromethane	7.105	83	123633	51.373	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	131777	50.338	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	354431	112.792	ug/L	99
42) Toluene	7.967	91	346454	49.778	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	125093	50.892	ug/L	96
45) 1,1,2-Trichloroethane	8.401	97	90883	53.642	ug/L	98
46) Tetrachloroethene	8.552	164	53807	45.830	ug/L	98
48) 2-Hexanone	8.684	43	287319	114.420	ug/L	100
49) Dibromochloromethane	8.809	129	89583	52.570	ug/L	96
50) 1,2-Dibromoethane	8.922	107	92234	54.803	ug/L	99
51) Chlorobenzene	9.446	112	209596	49.728	ug/L	98
52) Ethylbenzene	9.568	91	355298	48.375	ug/L	99
53) m,p-Xylene	9.693	106	130144	48.731	ug/L	100
54) o-Xylene	10.098	106	136873	50.899	ug/L	100
55) Styrene	10.111	104	231406	52.143	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	161840	53.363	ug/L	100
59) Bromoform	10.291	173	63480	52.533	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	129317	53.887	ug/L	99
61) Isopropylbenzene	10.484	105	335582	49.883	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	287596	50.682	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	286359	50.797	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	145166	49.432	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	143626	48.687	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	155397	50.888	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	39843	56.662	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	98804	48.014	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	90200	47.765	ug/L	96
71) Naphthalene	14.085	128	379361	56.195	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	101658	51.969	ug/L	99

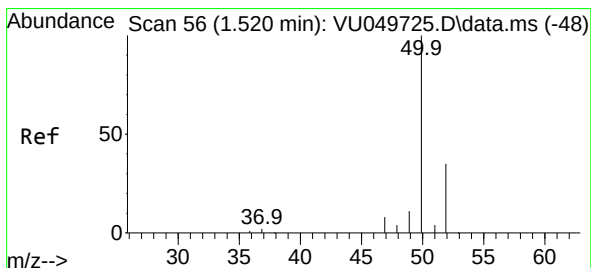
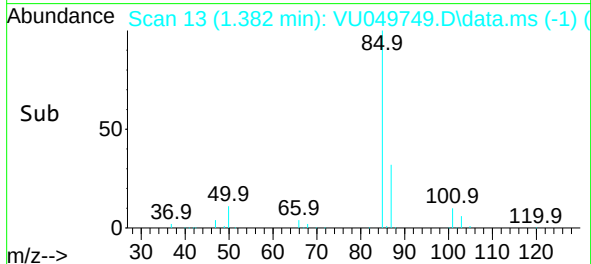
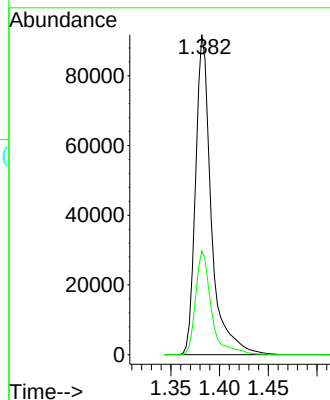
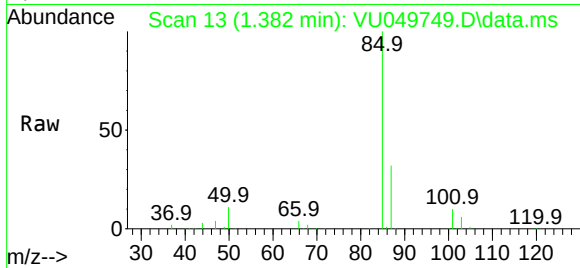
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#2
 Dichlorodifluoromethane
 Concen: 42.976 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU049749.D
 Acq: 15 Jul 2022 20:08

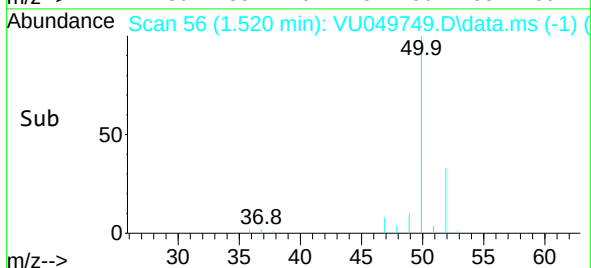
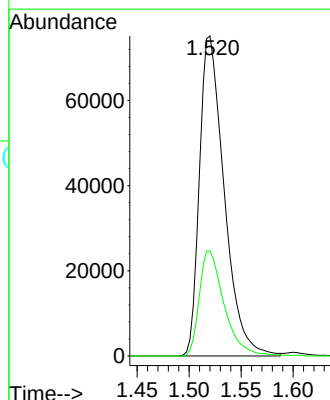
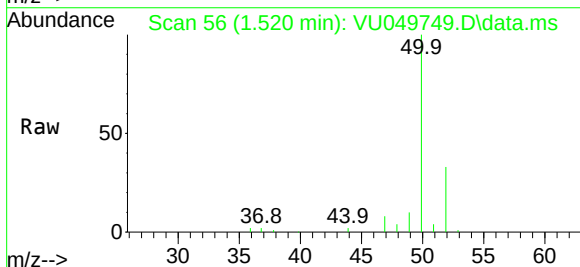
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050166

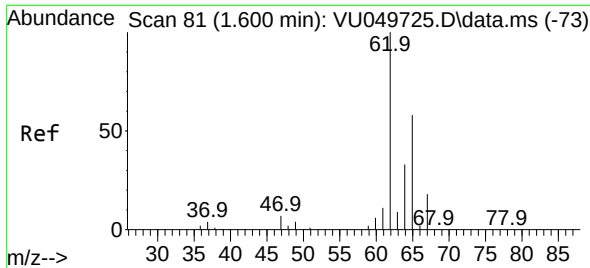
Tgt Ion: 85 Resp: 102923
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.3 39.5



#3
 Chloromethane
 Concen: 47.339 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU049749.D
 Acq: 15 Jul 2022 20:08

Tgt Ion: 50 Resp: 124427
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.2 43.0

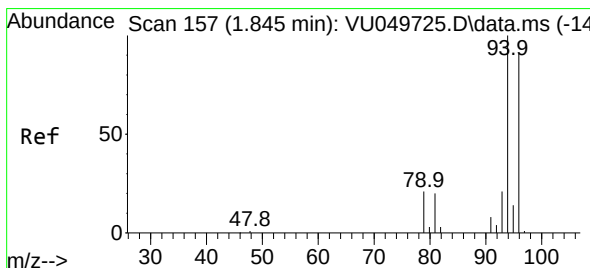
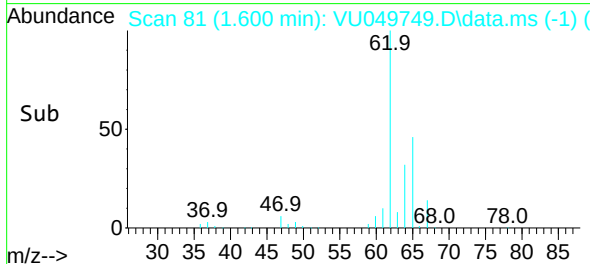
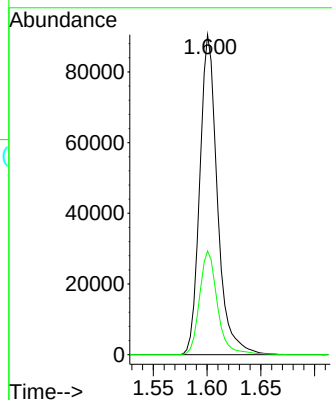
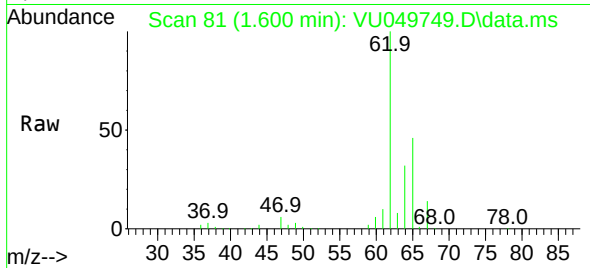




#5
 Vinyl chloride
 Concen: 43.589 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049749.D
 Acq: 15 Jul 2022 20:08

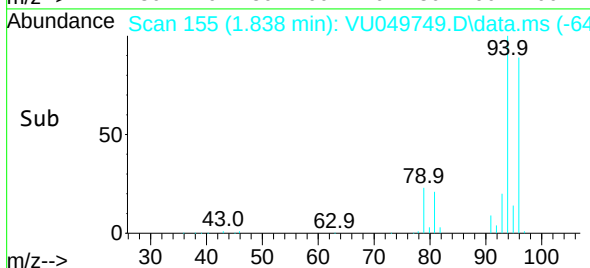
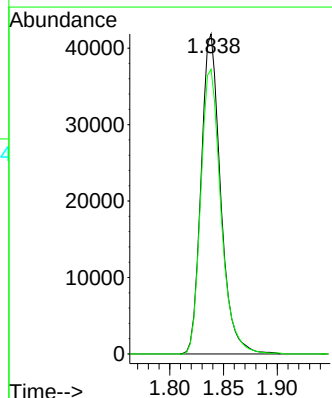
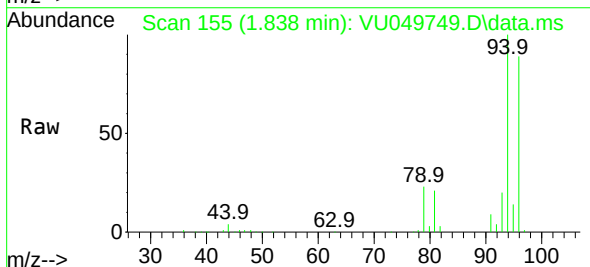
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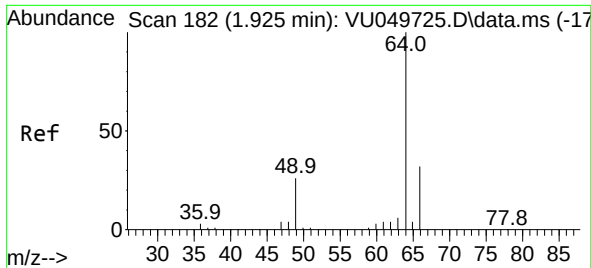
Tgt Ion: 62 Resp: 103528
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.0 42.6



#6
 Bromomethane
 Concen: 48.181 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.006 min
 Lab File: VU049749.D
 Acq: 15 Jul 2022 20:08

Tgt Ion: 94 Resp: 52873
 Ion Ratio Lower Upper
 94 100
 96 88.9 66.1 122.7

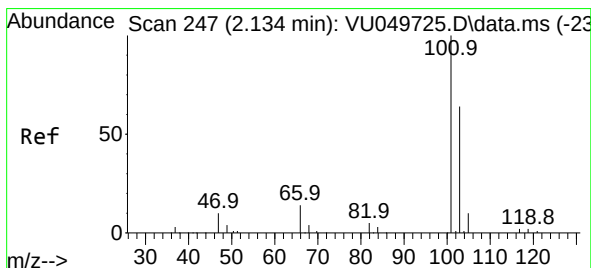
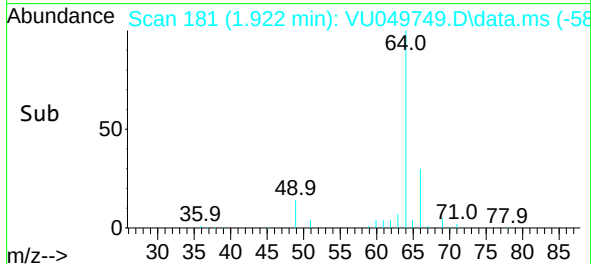
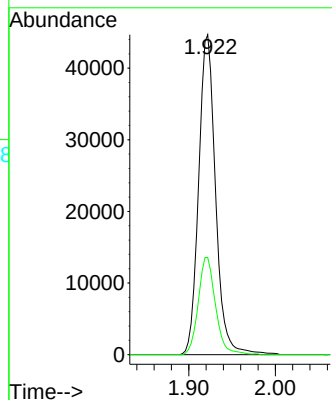
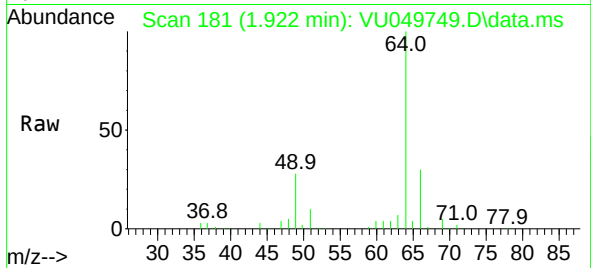




#8
Chloroethane
Concen: 46.033 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

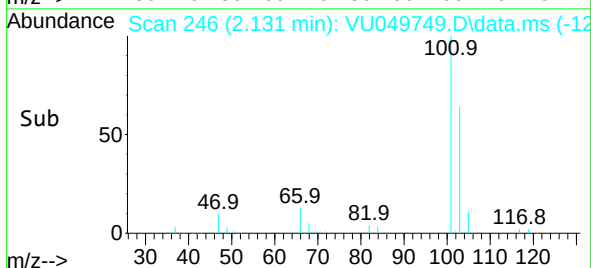
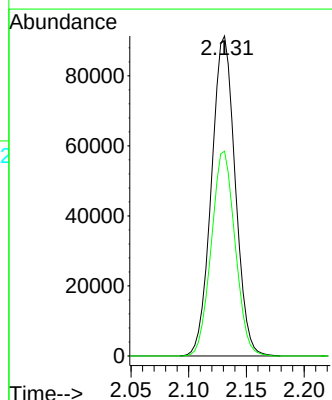
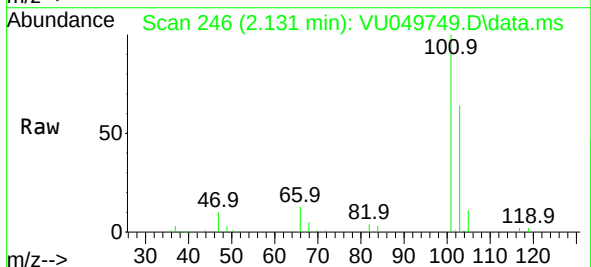
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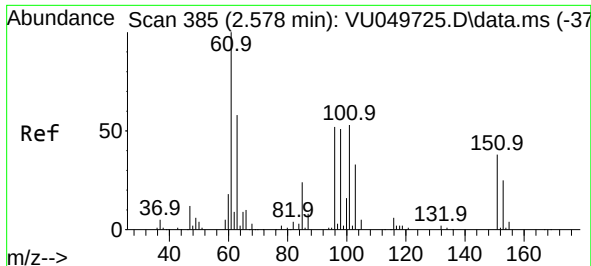
Tgt Ion: 64 Resp: 60566
Ion Ratio Lower Upper
64 100
66 30.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 44.551 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion:101 Resp: 130676
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.4

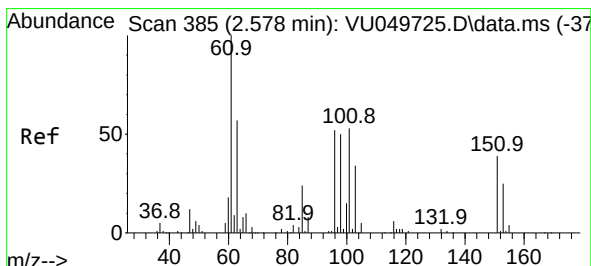
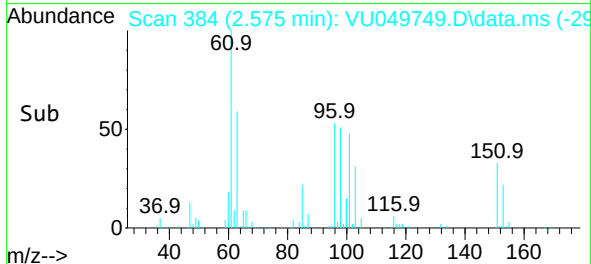
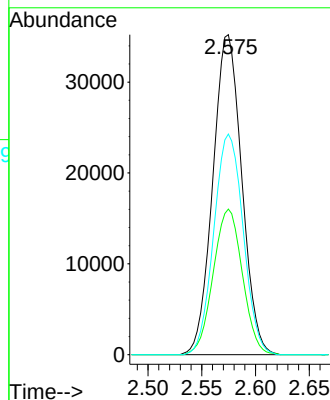
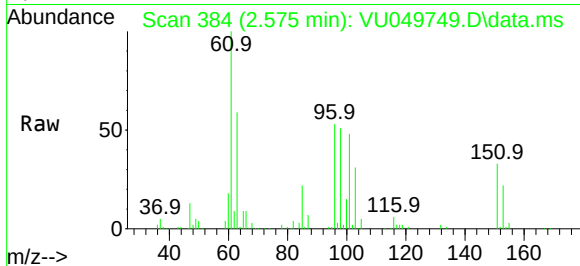




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 42.851 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049749.D
 Acq: 15 Jul 2022 20:08

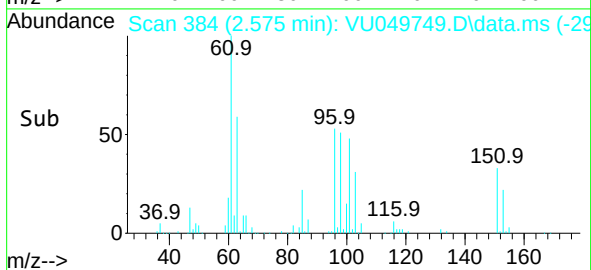
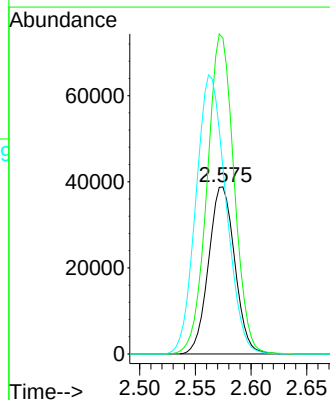
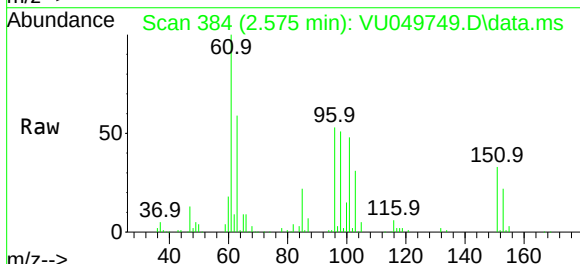
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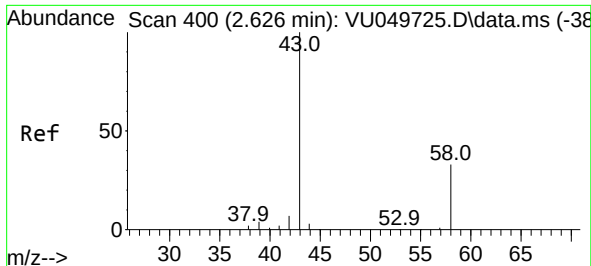
Tgt Ion:101 Resp: 65953
 Ion Ratio Lower Upper
 101 100
 85 45.8 37.3 55.9
 151 70.1 56.9 85.3



#12
 1,1-Dichloroethene
 Concen: 44.460 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU049749.D
 Acq: 15 Jul 2022 20:08

Tgt Ion: 96 Resp: 63509
 Ion Ratio Lower Upper
 96 100
 61 189.1 129.6 240.6
 63 111.7 79.0 146.6





#13

Acetone

Concen: 84.332 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

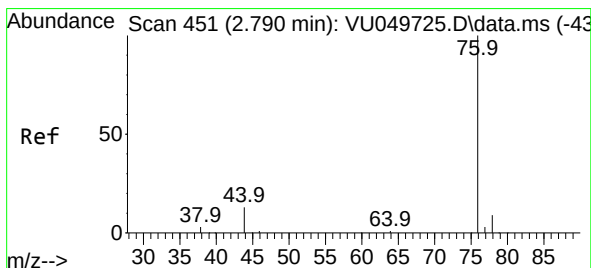
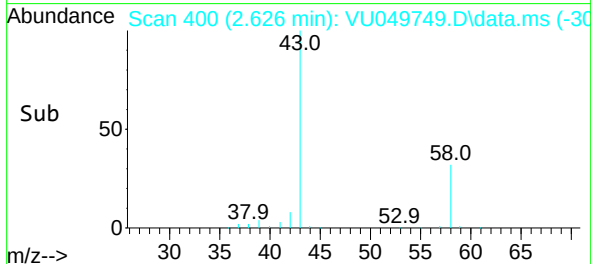
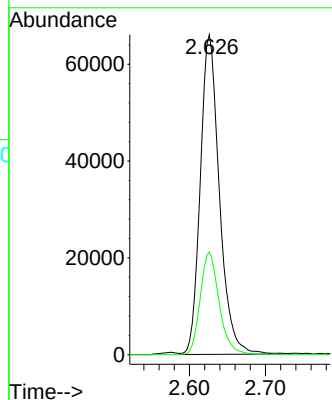
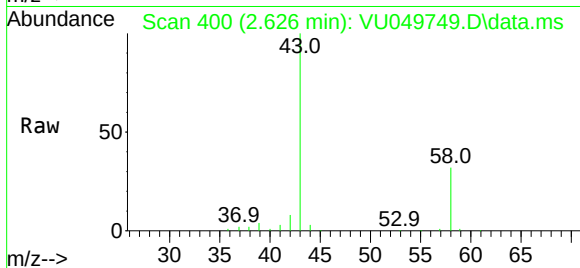
VSTD050166

Tgt Ion: 43 Resp: 115333

Ion Ratio Lower Upper

43 100

58 31.9 0.0 61.4



#14

Carbon disulfide

Concen: 39.388 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049749.D

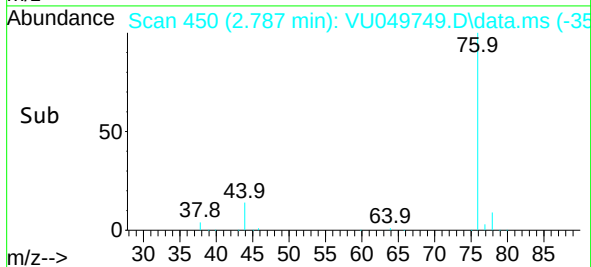
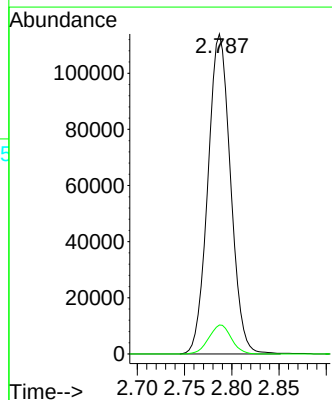
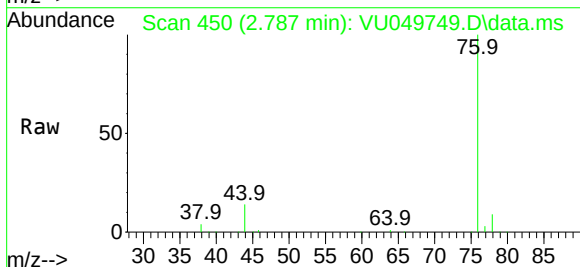
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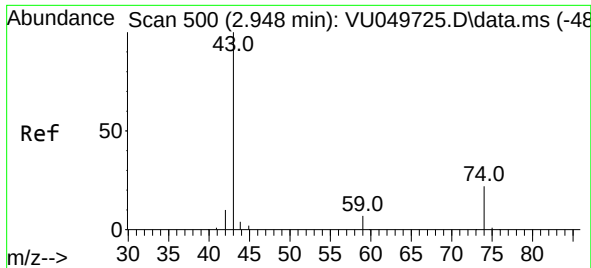
Tgt Ion: 76 Resp: 189733

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

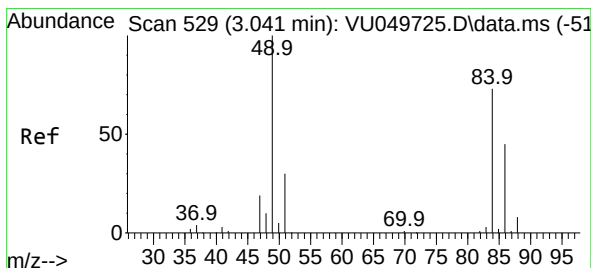
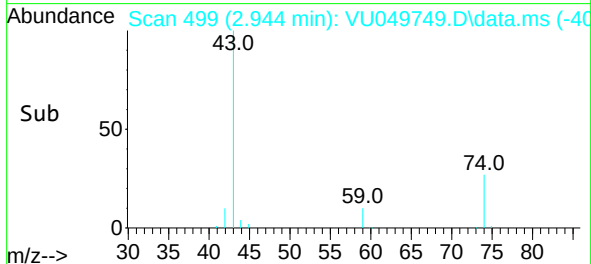
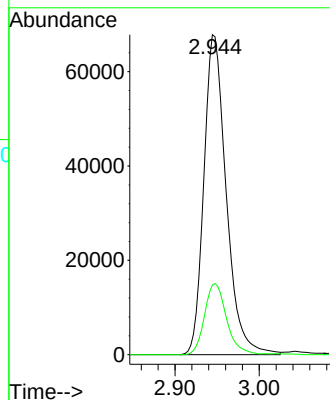
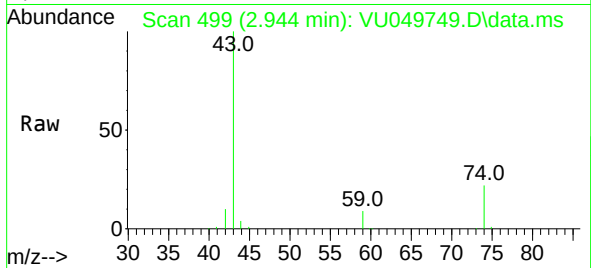




#15
Methyl Acetate
Concen: 56.443 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

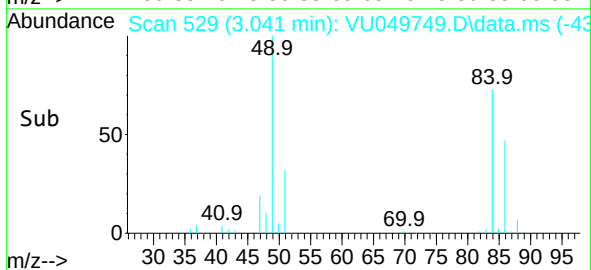
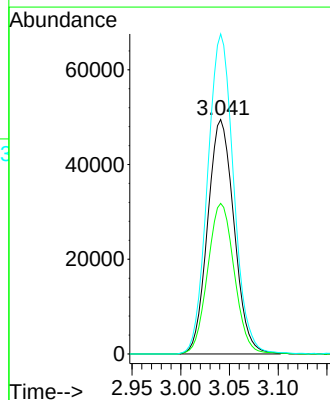
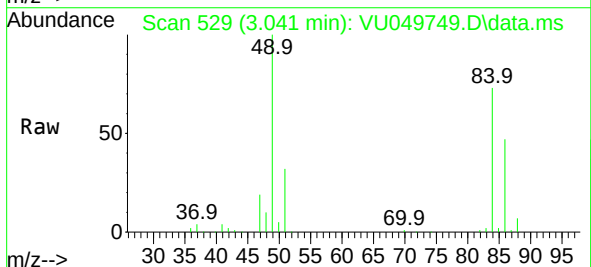
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

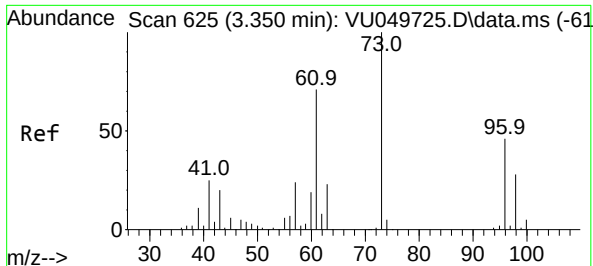
Tgt Ion: 43 Resp: 125409
Ion Ratio Lower Upper
43 100
74 21.9 17.4 26.0



#16
Methylene chloride
Concen: 51.850 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion: 84 Resp: 93269
Ion Ratio Lower Upper
84 100
86 64.3 45.6 84.6
49 136.6 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 45.190 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050166

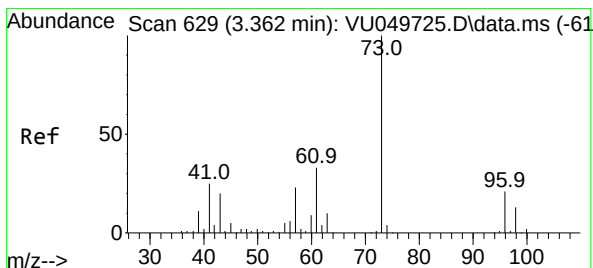
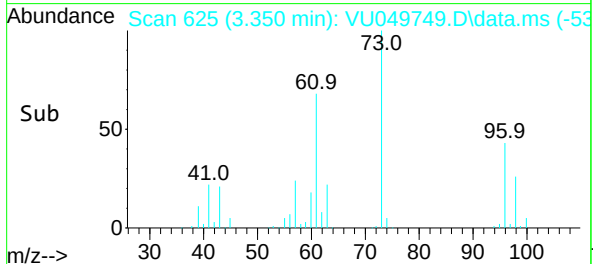
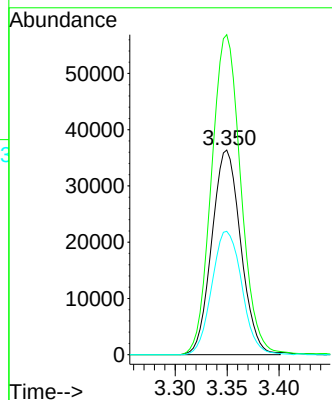
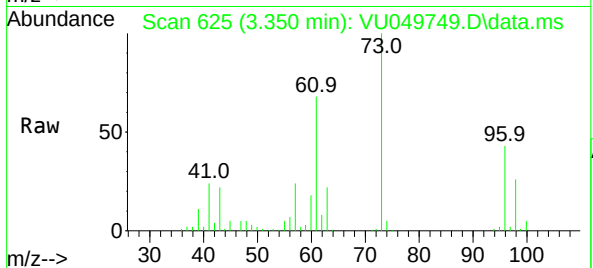
Tgt Ion: 96 Resp: 70615

Ion Ratio Lower Upper

96 100

61 156.4 107.6 199.8

98 60.3 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 51.917 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

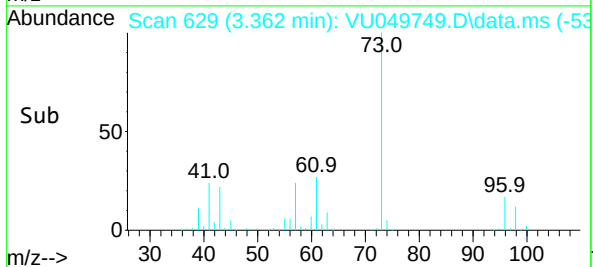
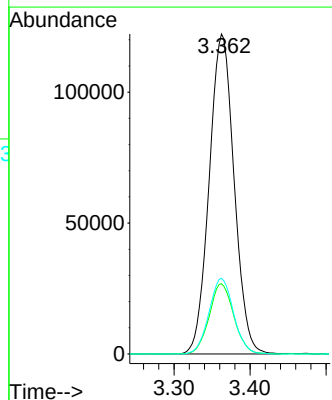
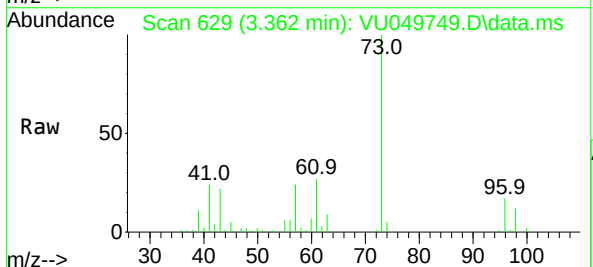
Tgt Ion: 73 Resp: 277882

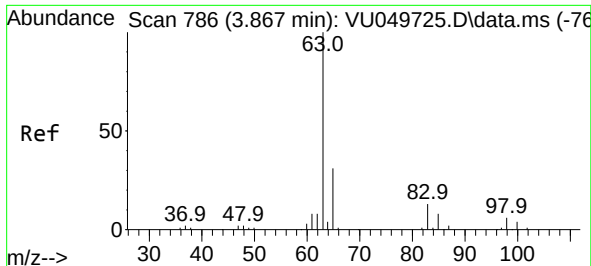
Ion Ratio Lower Upper

73 100

43 21.7 17.0 25.4

57 23.3 18.5 27.7

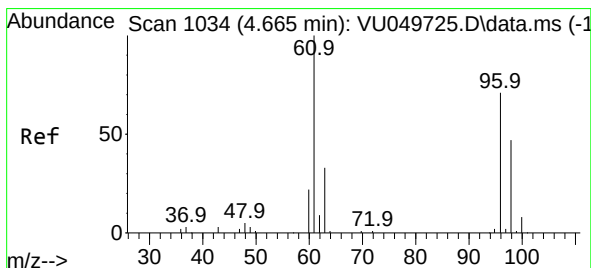
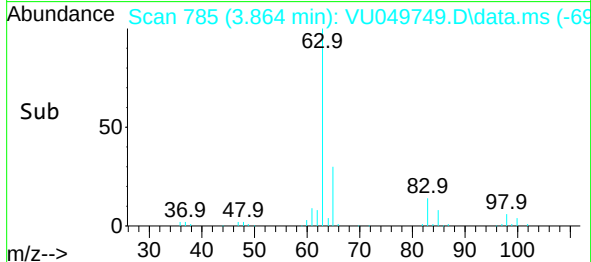
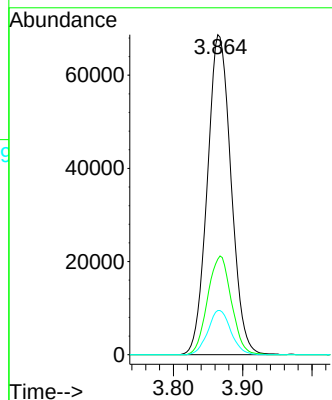
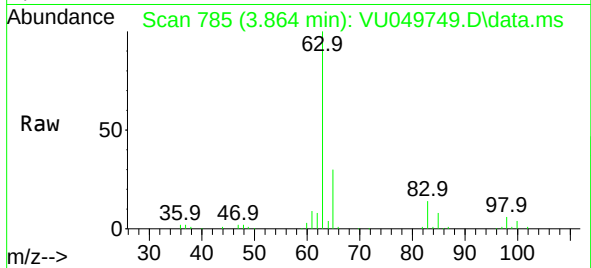




#19
1,1-Dichloroethane
Concen: 50.196 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.003 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

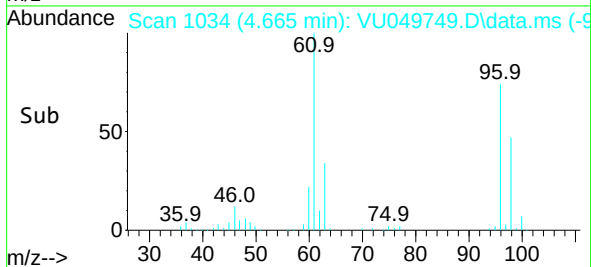
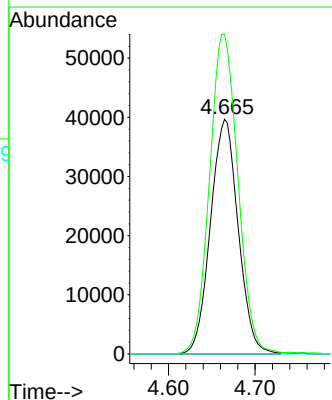
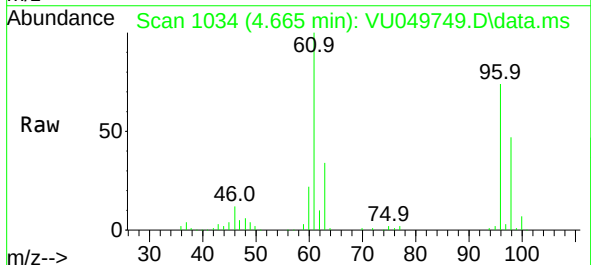
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

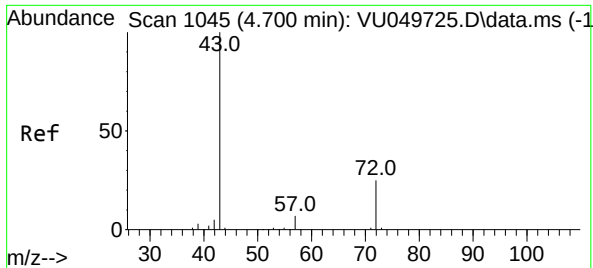
Tgt Ion: 63 Resp: 163301
Ion Ratio Lower Upper
63 100
65 29.8 22.6 42.0
83 13.8 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 50.199 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion: 96 Resp: 88160
Ion Ratio Lower Upper
96 100
61 136.0 101.1 187.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.569 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

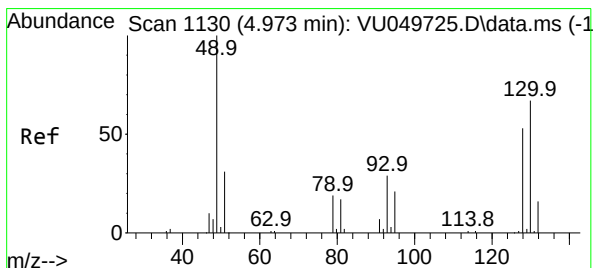
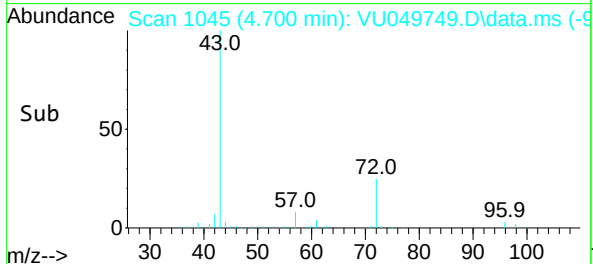
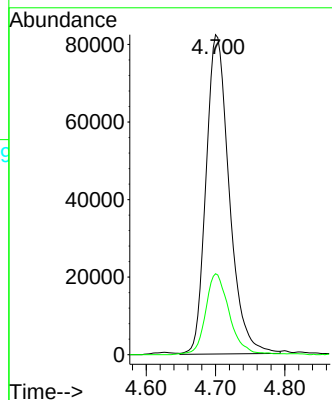
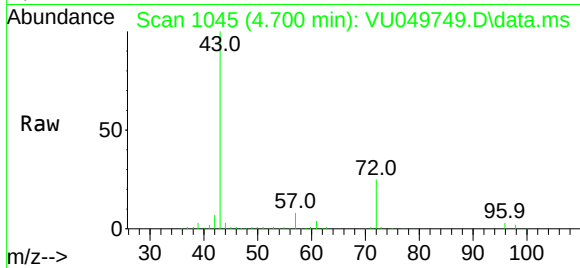
VSTD050166

Tgt Ion: 43 Resp: 191468

Ion Ratio Lower Upper

43 100

72 25.8 12.7 38.0



#23

Bromochloromethane

Concen: 51.370 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Tgt Ion: 128 Resp: 45015

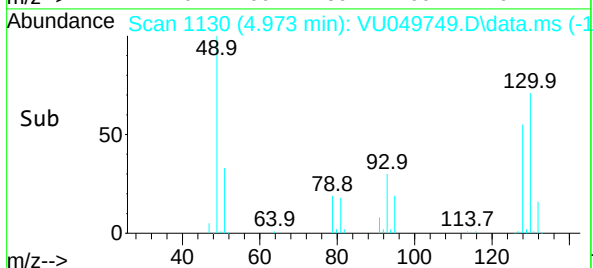
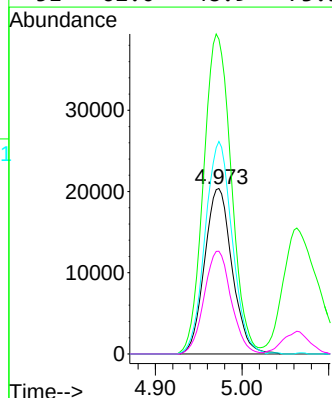
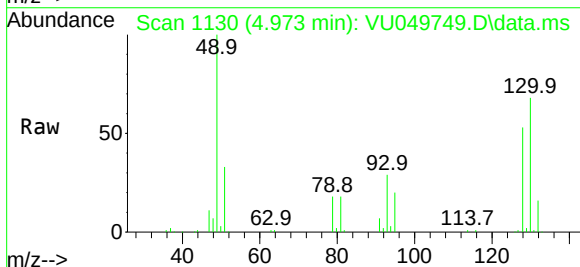
Ion Ratio Lower Upper

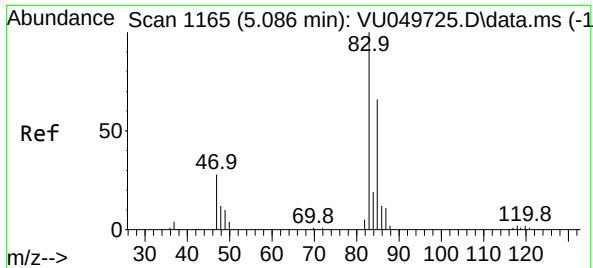
128 100

49 190.2 140.9 261.7

130 128.4 90.0 167.2

51 62.0 48.9 73.3

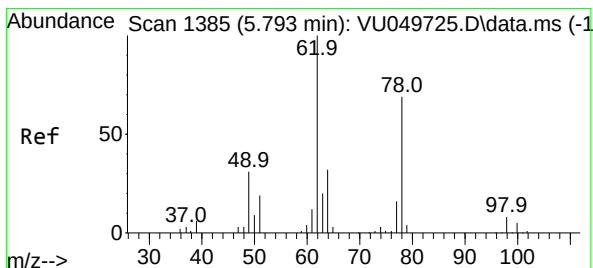
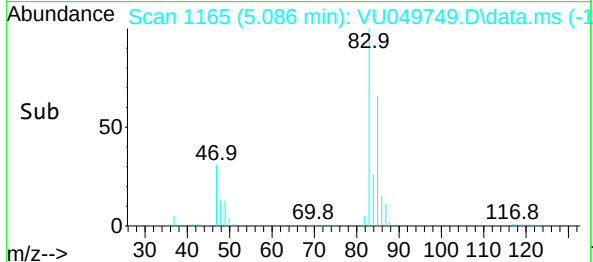
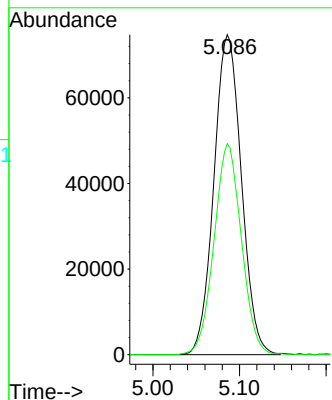
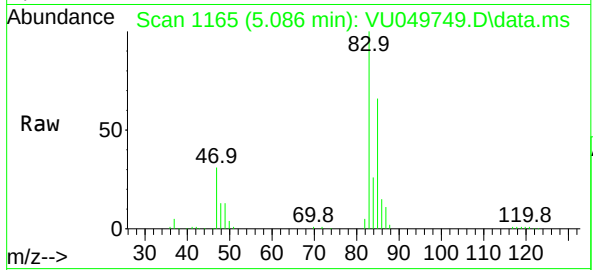




#25
Chloroform
Concen: 50.582 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

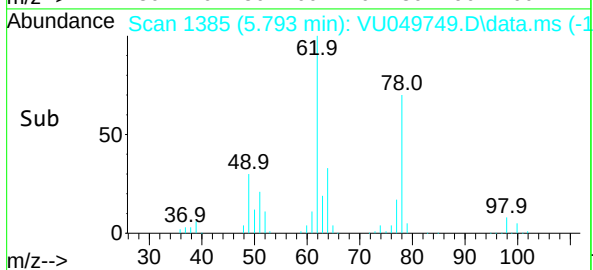
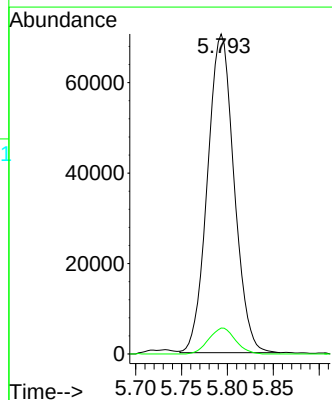
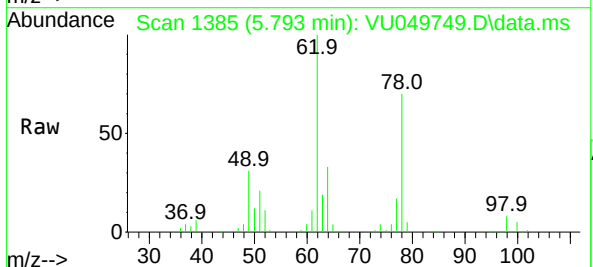
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

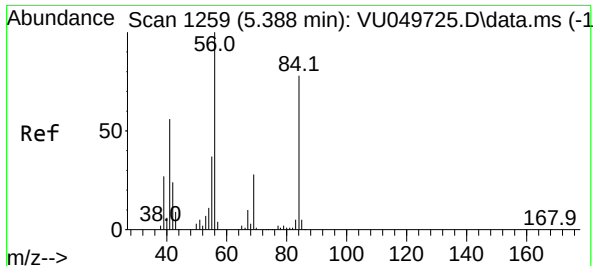
Tgt Ion: 83 Resp: 165008
Ion Ratio Lower Upper
83 100
85 66.0 45.2 84.0



#27
1,2-Dichloroethane
Concen: 51.157 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion: 62 Resp: 142103
Ion Ratio Lower Upper
62 100
98 8.1 6.7 10.1





#29

Cyclohexane

Concen: 43.612 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050166

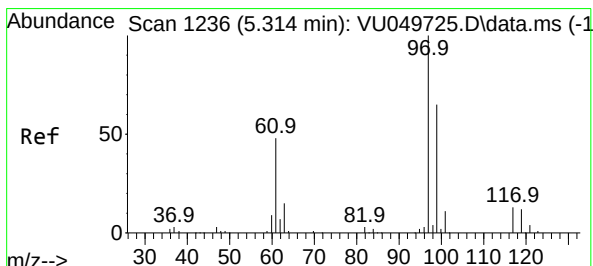
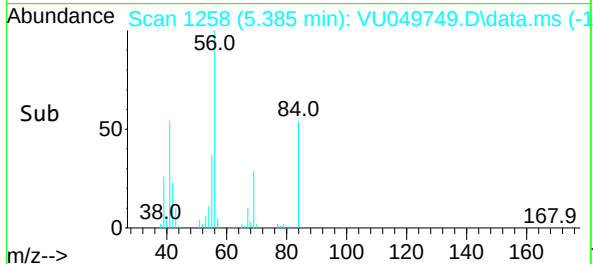
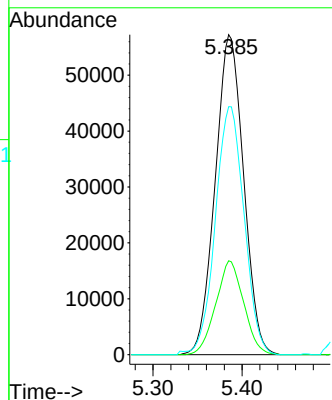
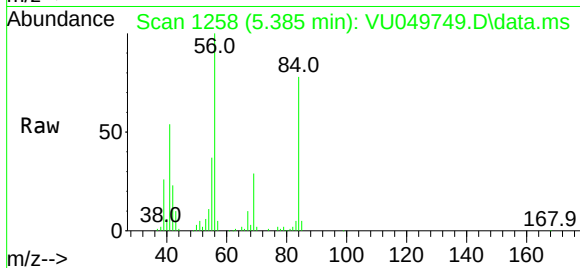
Tgt Ion: 56 Resp: 126826

Ion Ratio Lower Upper

56 100

69 28.8 23.4 35.2

84 78.3 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 49.966 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

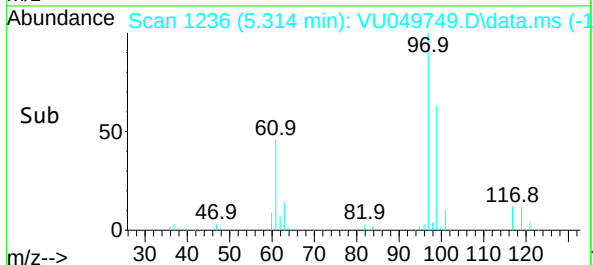
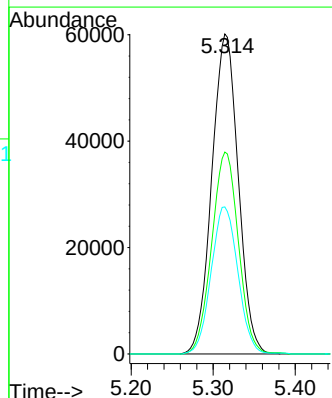
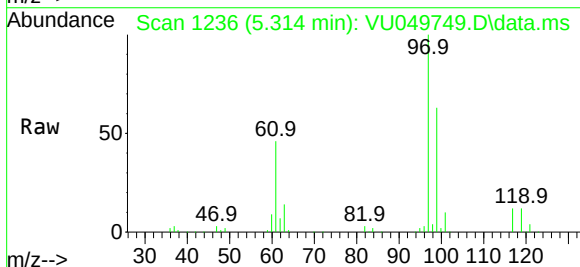
Tgt Ion: 97 Resp: 134768

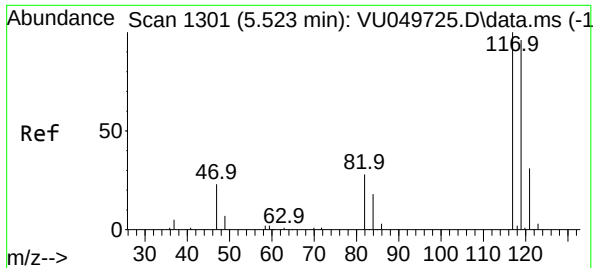
Ion Ratio Lower Upper

97 100

99 63.6 51.3 76.9

61 46.5 38.2 57.2

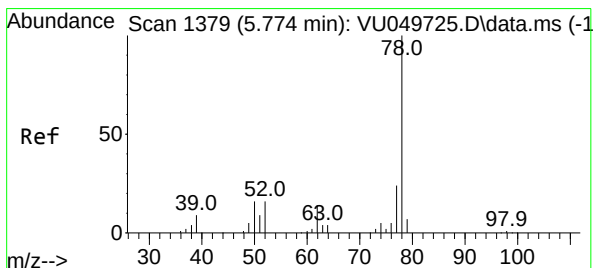
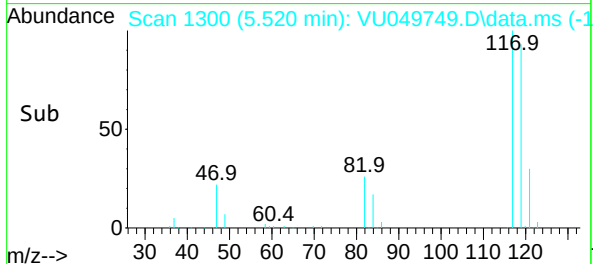
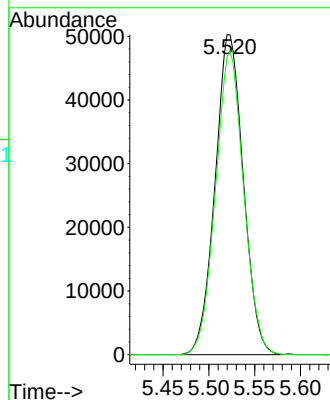
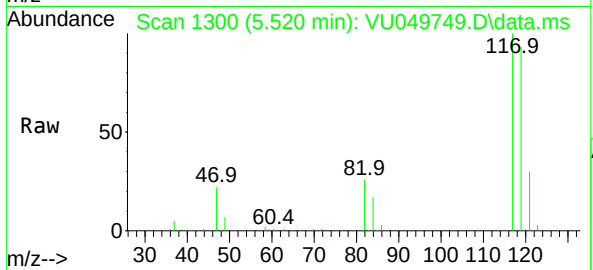




#31
Carbon tetrachloride
Concen: 48.773 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

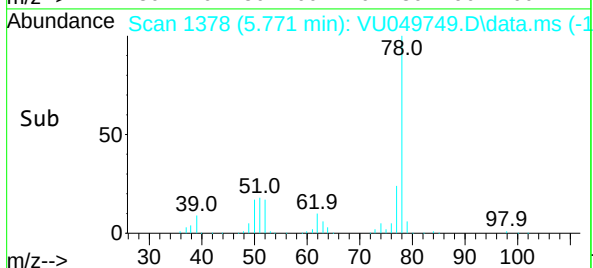
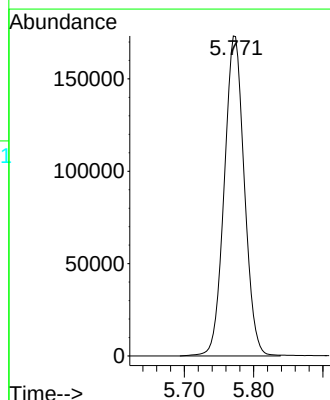
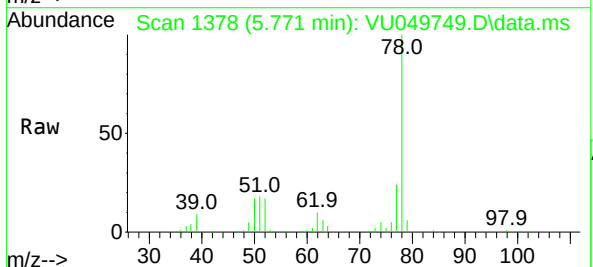
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

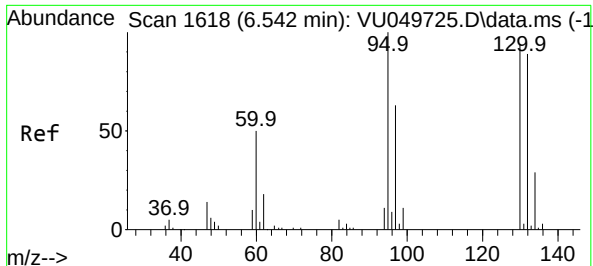
Tgt Ion:117 Resp: 107595
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.8



#33
Benzene
Concen: 49.837 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion: 78 Resp: 349007





#34

Trichloroethene

Concen: 47.456 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050166

Tgt Ion: 95 Resp: 80333

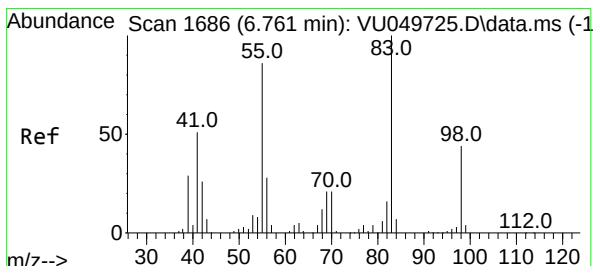
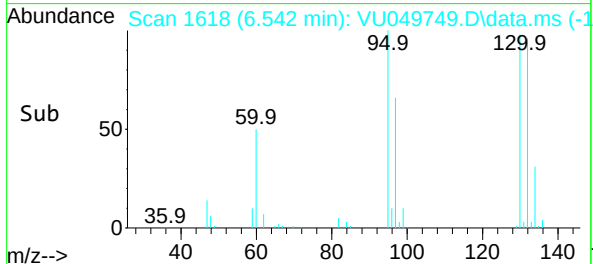
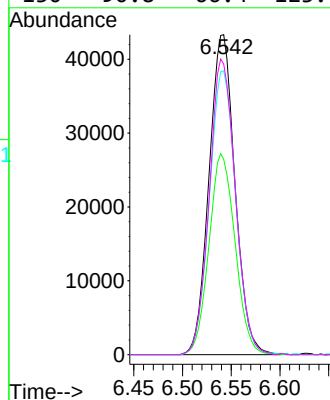
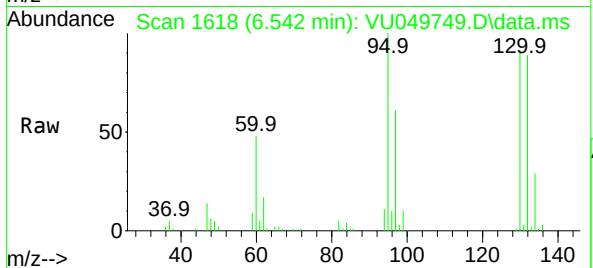
Ion Ratio Lower Upper

95 100

97 61.0 46.9 87.1

132 88.7 62.7 116.5

130 90.8 66.4 123.4



#35

Methylcyclohexane

Concen: 42.399 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

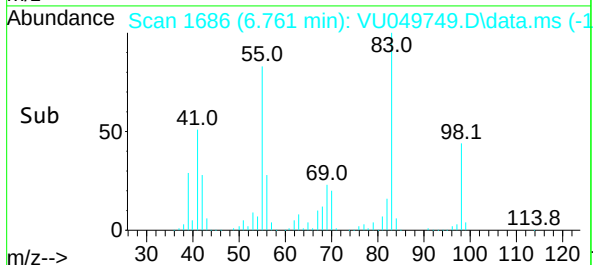
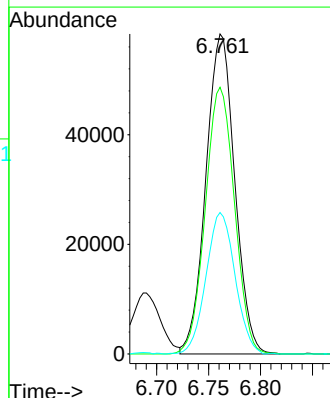
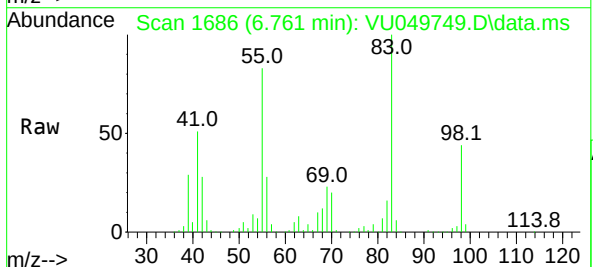
Tgt Ion: 83 Resp: 112783

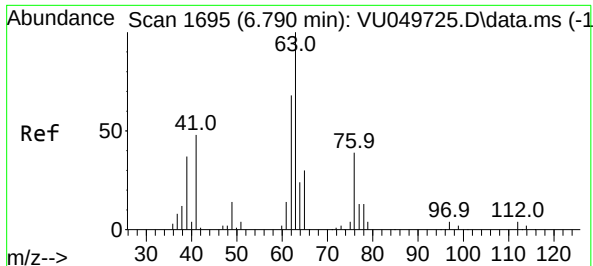
Ion Ratio Lower Upper

83 100

55 84.4 66.0 99.0

98 44.5 34.6 51.8





#37

1,2-Dichloropropane

Concen: 51.326 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

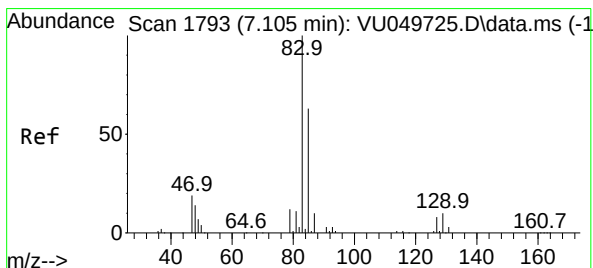
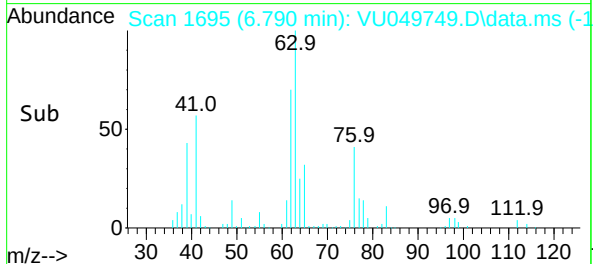
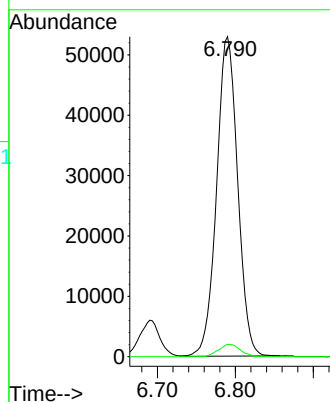
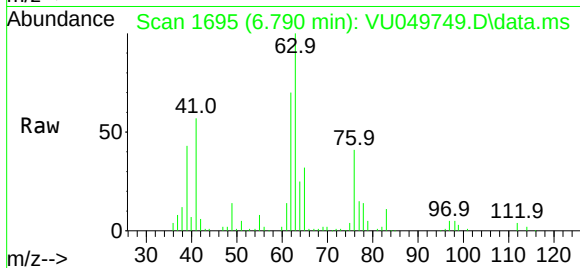
VSTD050166

Tgt Ion: 63 Resp: 99627

Ion Ratio Lower Upper

63 100

112 3.9 2.8 4.2



#38

Bromodichloromethane

Concen: 51.373 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

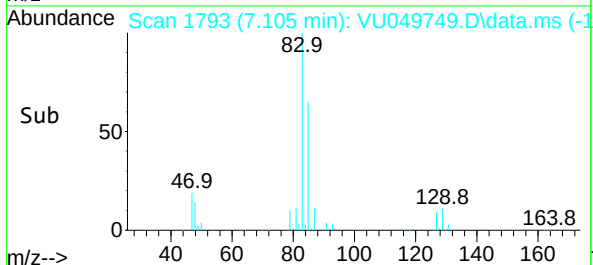
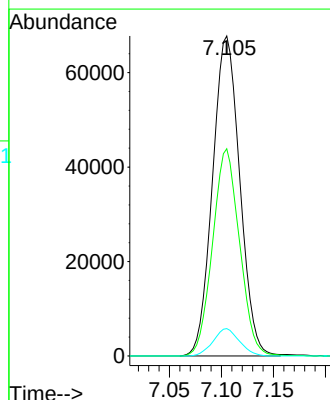
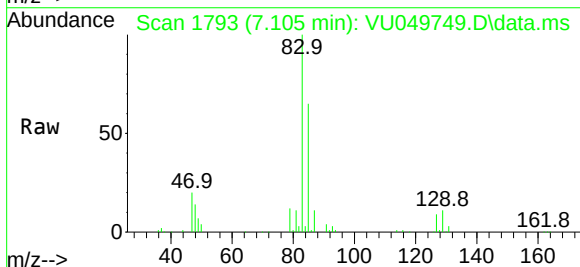
Tgt Ion: 83 Resp: 123633

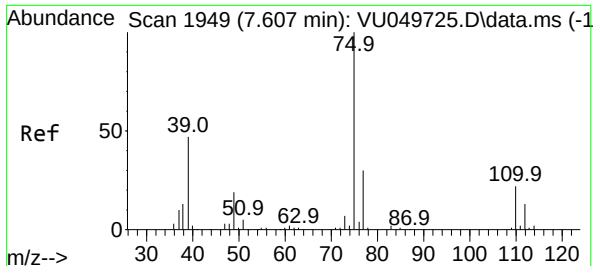
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 50.338 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

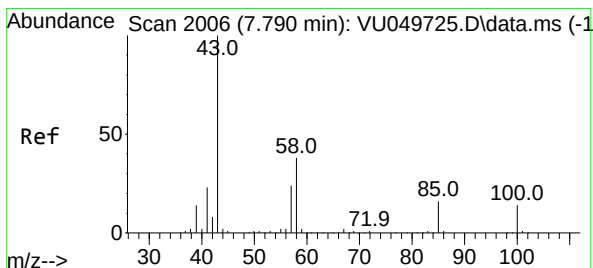
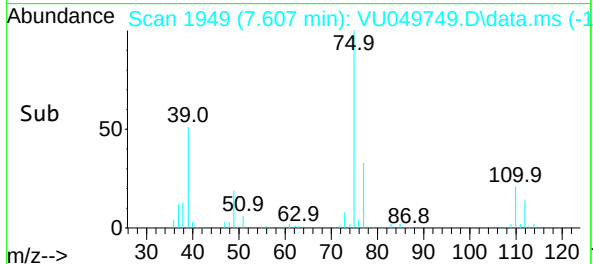
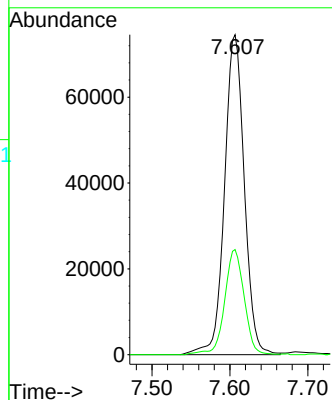
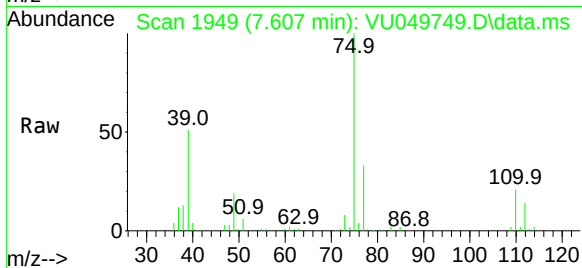
VSTD050166

Tgt Ion: 75 Resp: 131777

Ion Ratio Lower Upper

75 100

77 32.9 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 112.792 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

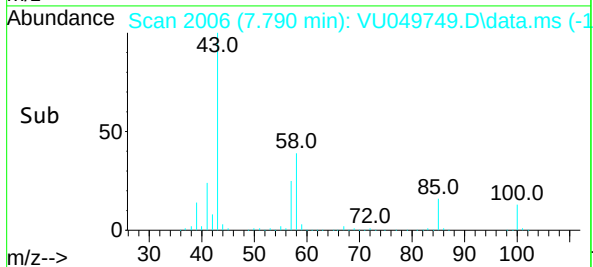
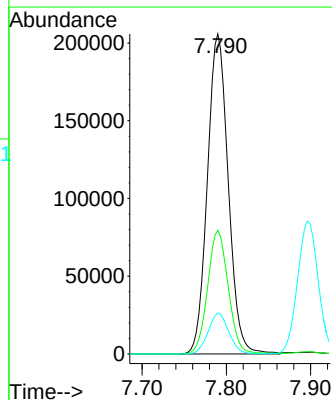
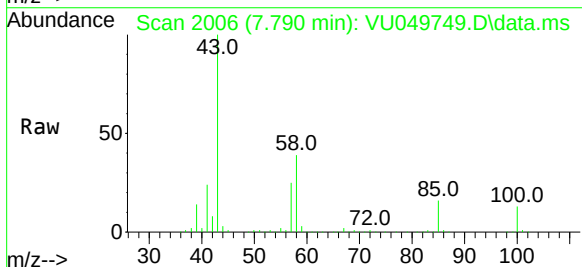
Tgt Ion: 43 Resp: 354431

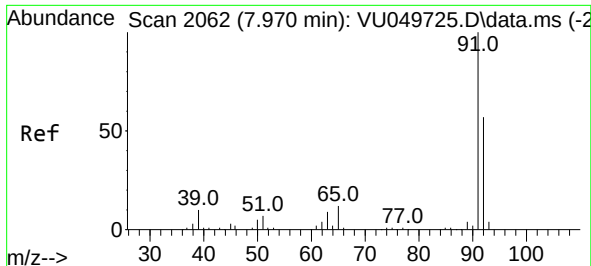
Ion Ratio Lower Upper

43 100

58 38.3 31.4 47.0

100 12.7 10.3 15.5





#42

Toluene

Concen: 49.778 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

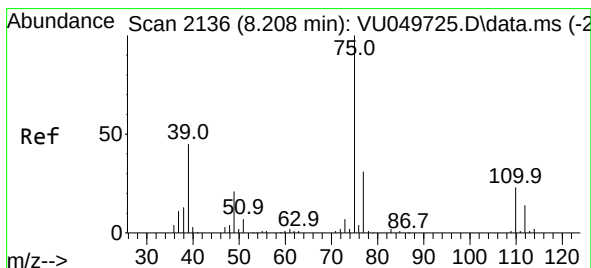
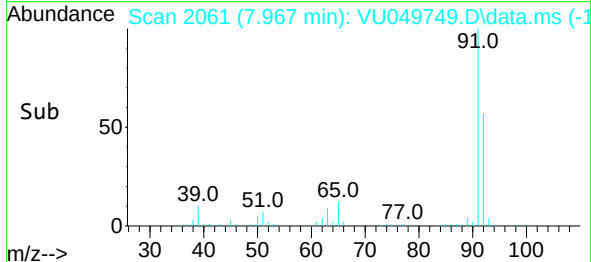
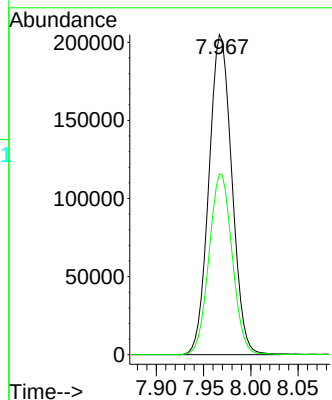
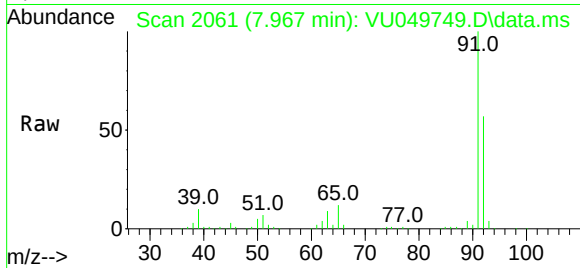
VSTD050166

Tgt Ion: 91 Resp: 346454

Ion Ratio Lower Upper

91 100

92 56.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 50.892 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU049749.D

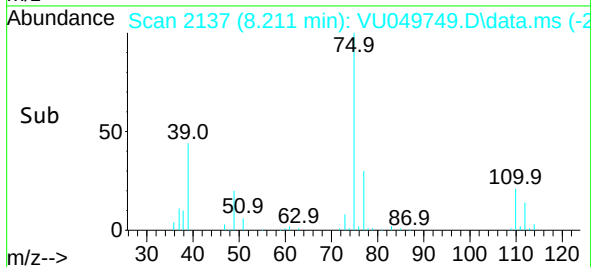
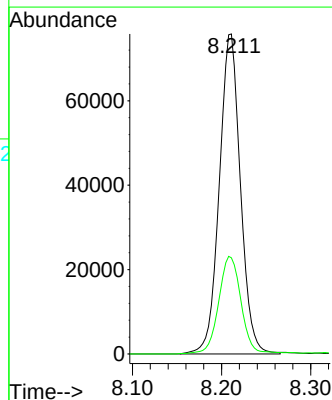
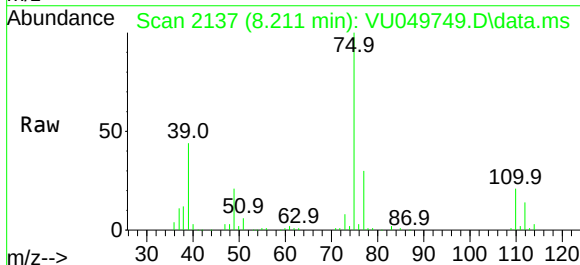
Acq: 15 Jul 2022 20:08

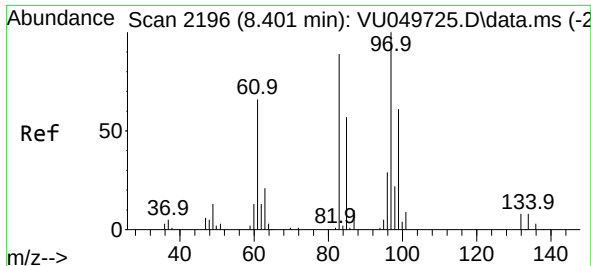
Tgt Ion: 75 Resp: 125093

Ion Ratio Lower Upper

75 100

77 30.1 22.5 41.9

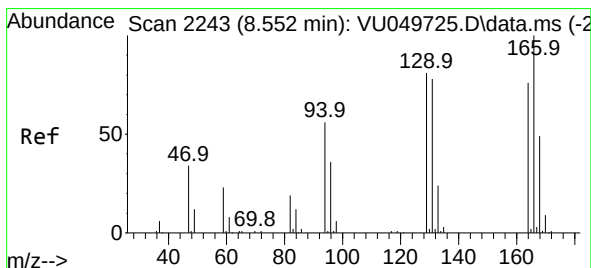
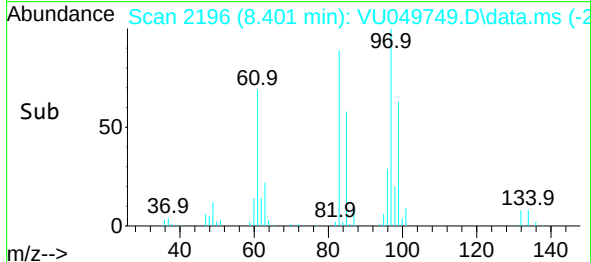
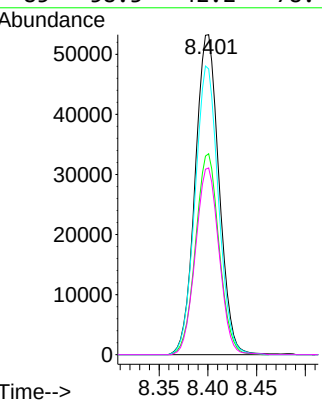
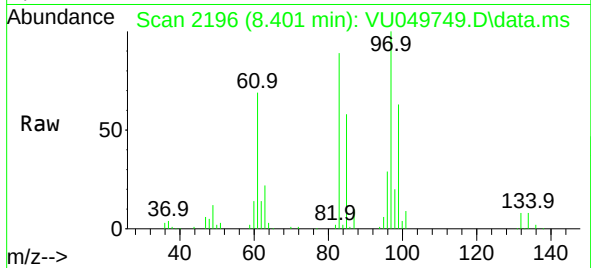




#45
1,1,2-Trichloroethane
Concen: 53.642 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

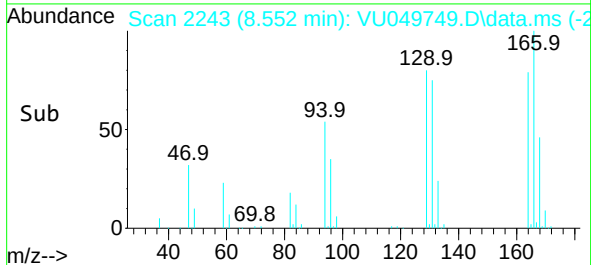
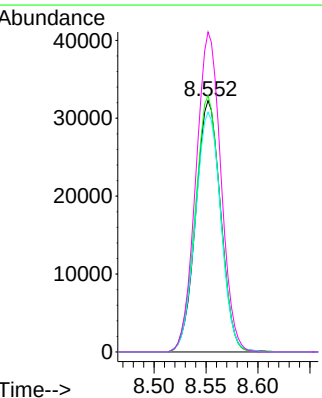
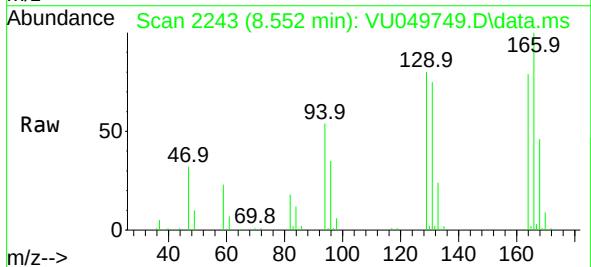
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

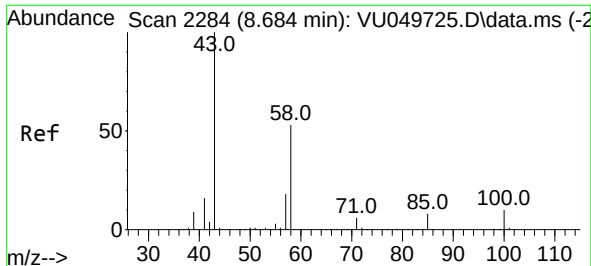
Tgt Ion:	97	Resp:	90883
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.3	82.3
83	89.3	64.0	118.8
85	58.3	42.2	78.4



#46
Tetrachloroethene
Concen: 45.830 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion:	164	Resp:	53807
Ion	Ratio	Lower	Upper
164	100		
129	102.1	72.0	133.8
131	95.4	69.0	128.1
166	127.3	91.1	169.3

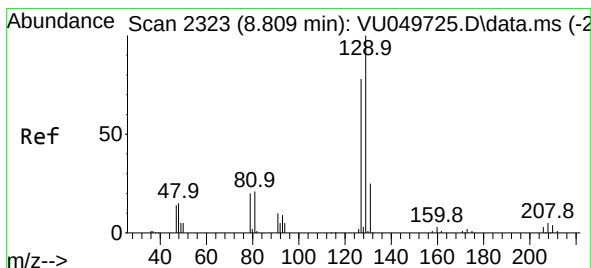
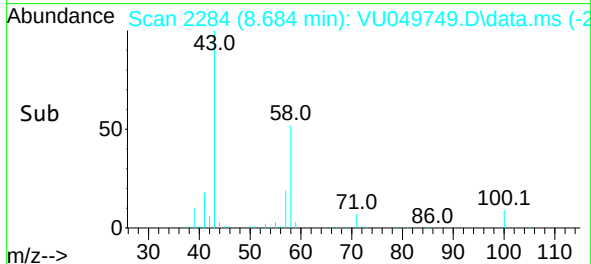
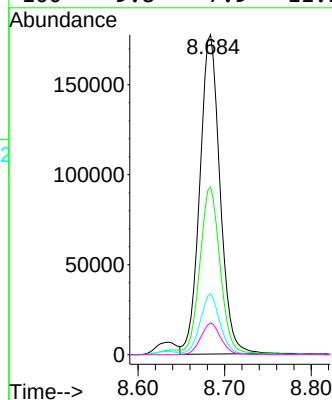
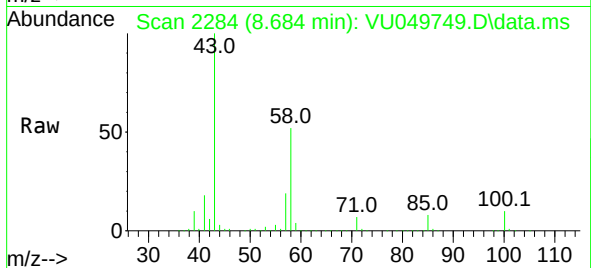




#48
2-Hexanone
Concen: 114.420 ug/L
RT: 8.684 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

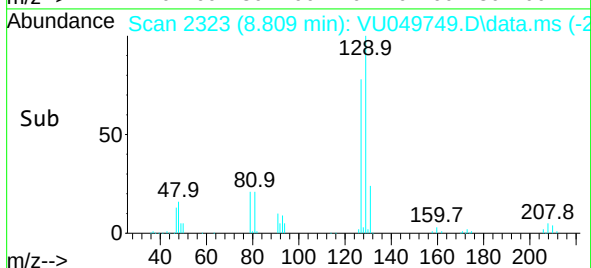
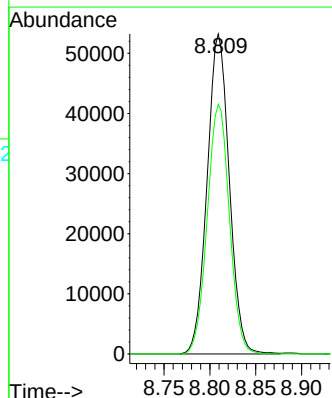
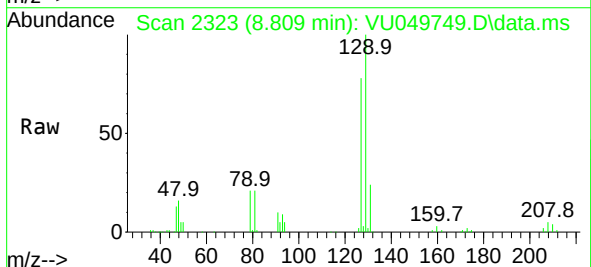
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

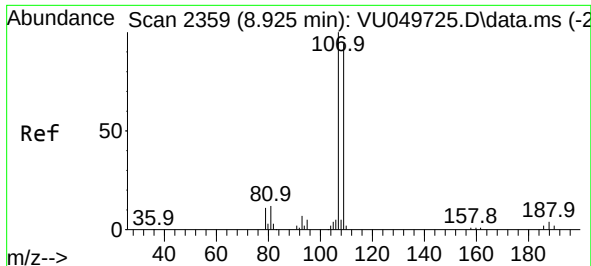
Tgt Ion:	43	Resp:	287319
Ion	Ratio	Lower	Upper
43	100		
58	53.1	42.6	64.0
57	19.1	15.0	22.6
100	9.8	7.9	11.9



#49
Dibromochloromethane
Concen: 52.570 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion:	129	Resp:	89583
Ion	Ratio	Lower	Upper
129	100		
127	78.0	56.9	105.7

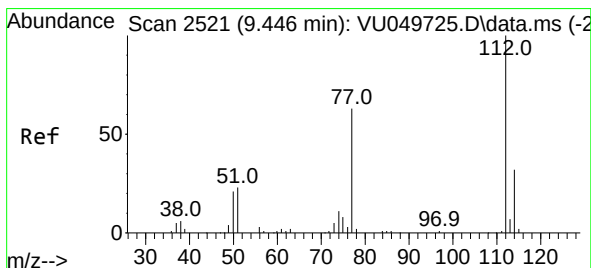
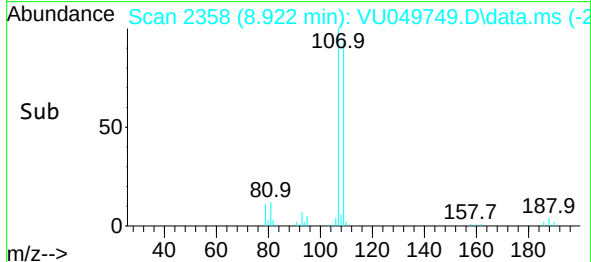
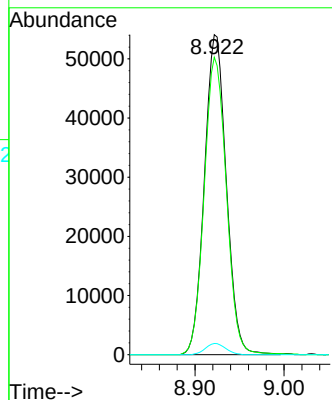
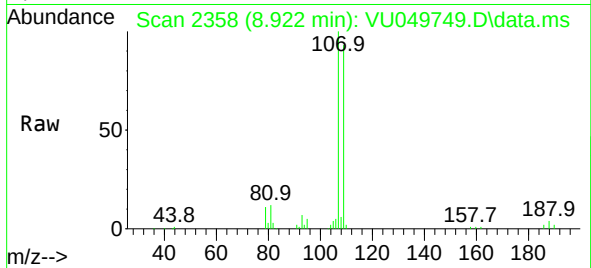




#50
1,2-Dibromoethane
Concen: 54.803 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

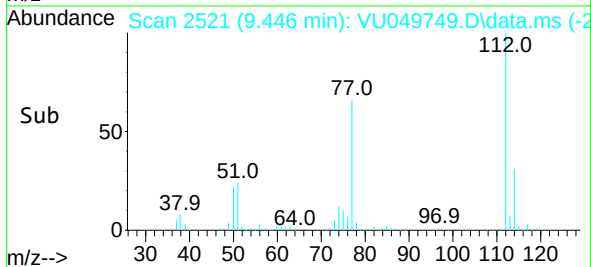
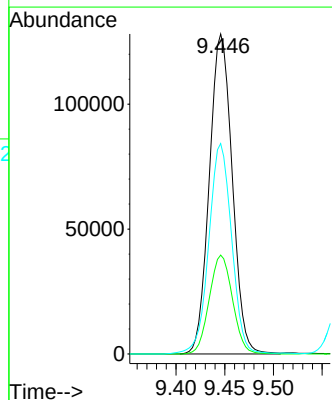
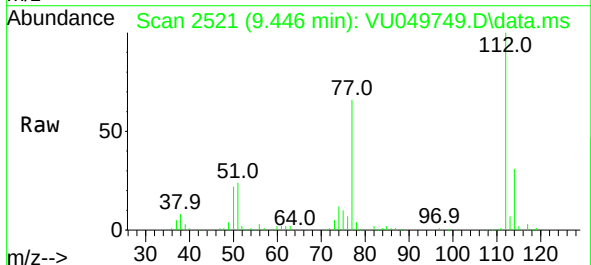
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

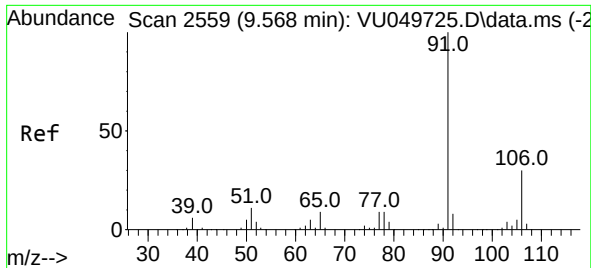
Tgt Ion:107 Resp: 92234
Ion Ratio Lower Upper
107 100
109 92.9 65.7 121.9
188 3.5 2.7 4.1



#51
Chlorobenzene
Concen: 49.728 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion:112 Resp: 209596
Ion Ratio Lower Upper
112 100
114 30.9 22.1 41.1
77 65.8 51.2 76.8

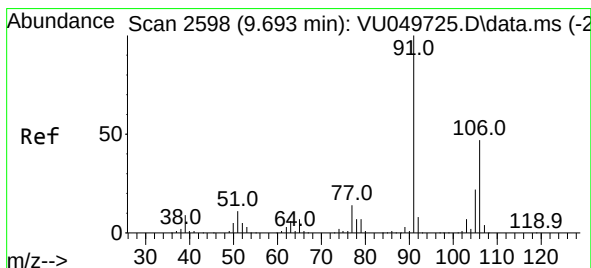
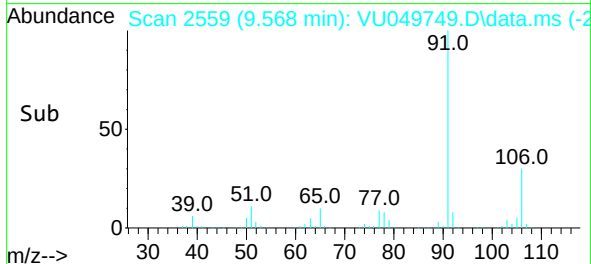
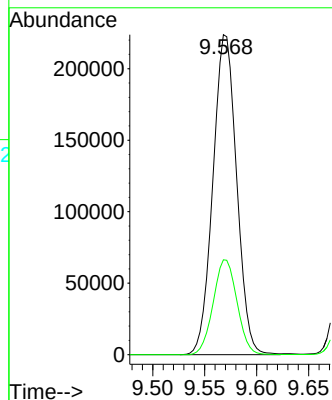
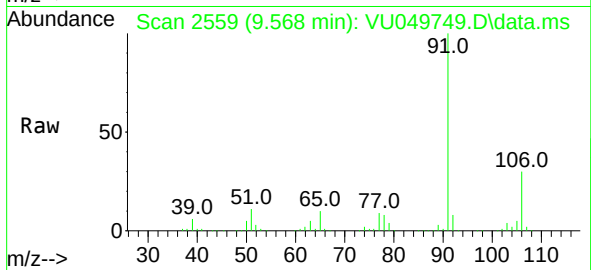




#52
Ethylbenzene
Concen: 48.375 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

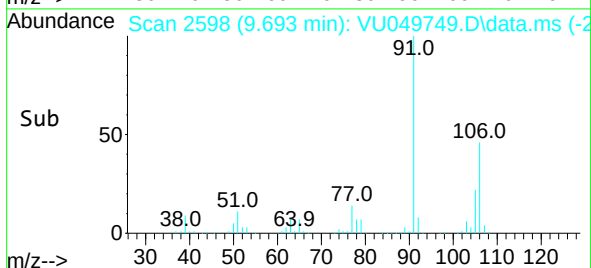
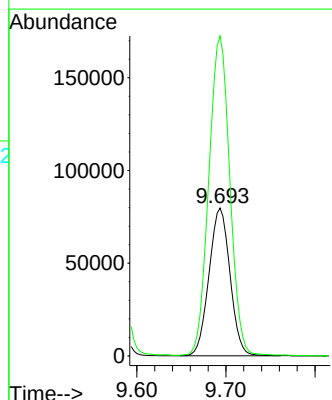
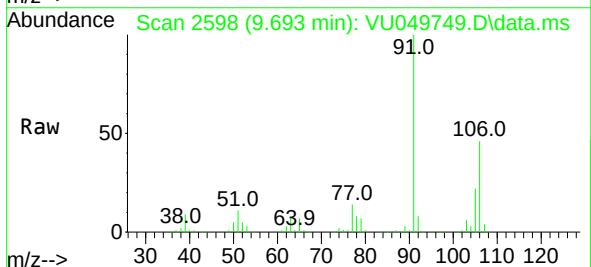
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

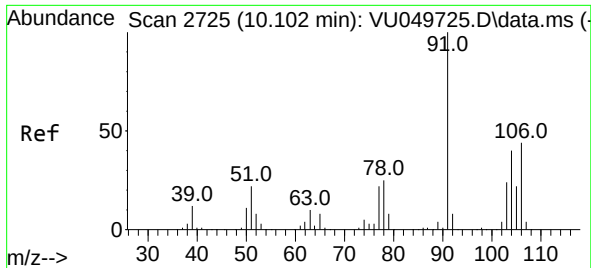
Tgt Ion: 91 Resp: 355298
Ion Ratio Lower Upper
91 100
106 29.7 21.0 39.0



#53
m,p-Xylene
Concen: 48.731 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion: 106 Resp: 130144
Ion Ratio Lower Upper
106 100
91 216.3 151.7 281.7

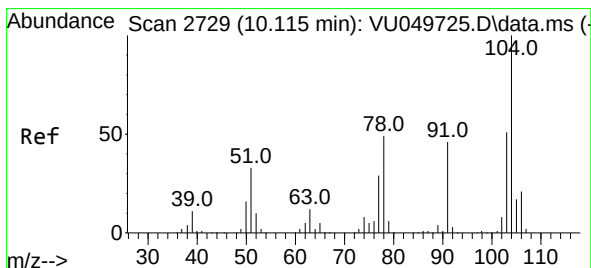
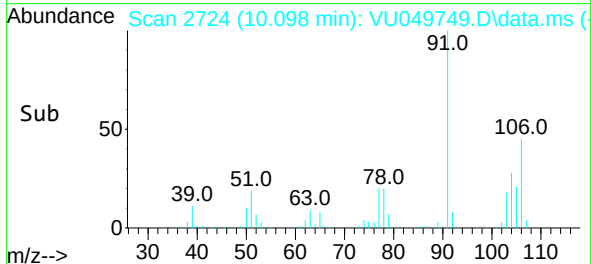
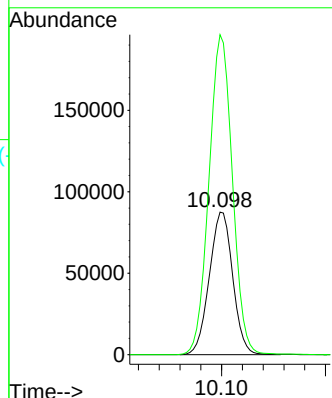
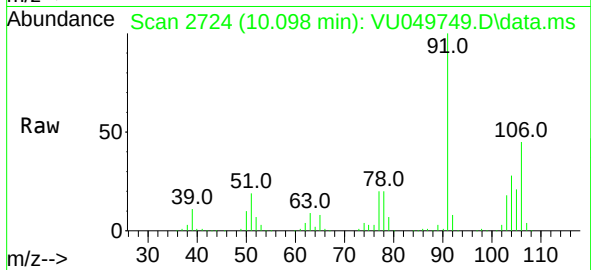




#54
o-Xylene
Concen: 50.899 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

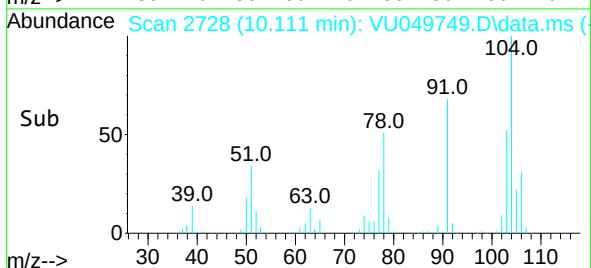
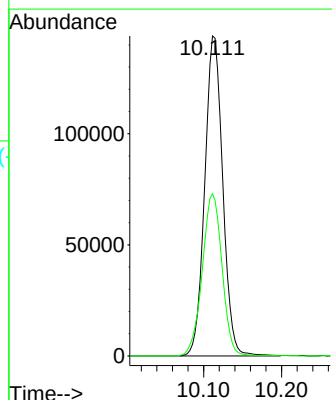
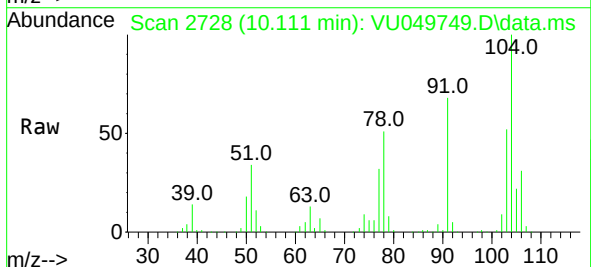
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

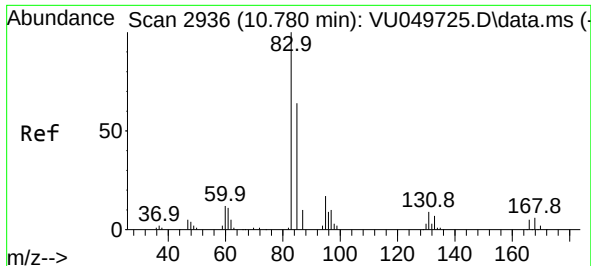
Tgt Ion:106 Resp: 136873
Ion Ratio Lower Upper
106 100
91 224.6 156.9 291.5



#55
Styrene
Concen: 52.143 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion:104 Resp: 231406
Ion Ratio Lower Upper
104 100
78 50.7 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 53.363 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050166

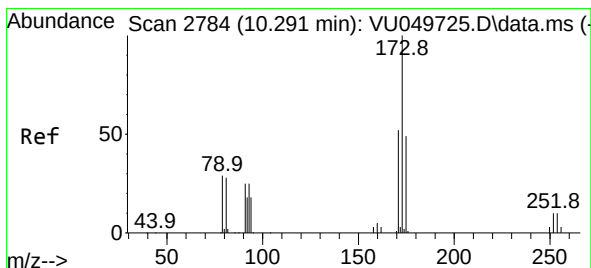
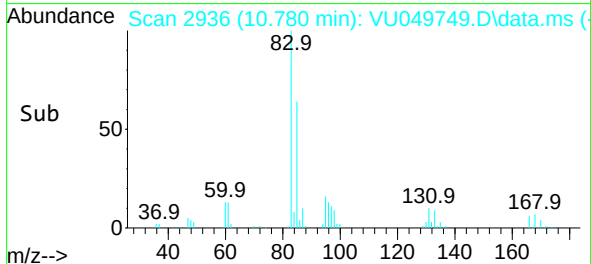
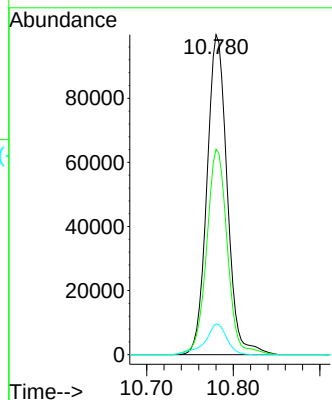
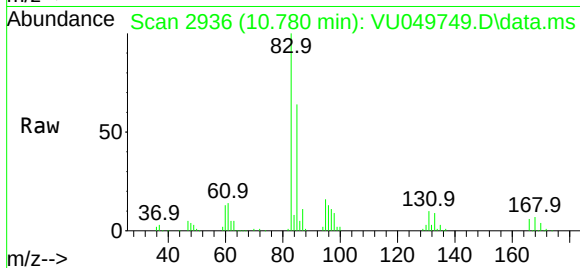
Tgt Ion: 83 Resp: 161840

Ion Ratio Lower Upper

83 100

85 64.2 45.0 83.6

131 9.6 7.0 10.6



#59

Bromoform

Concen: 52.533 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

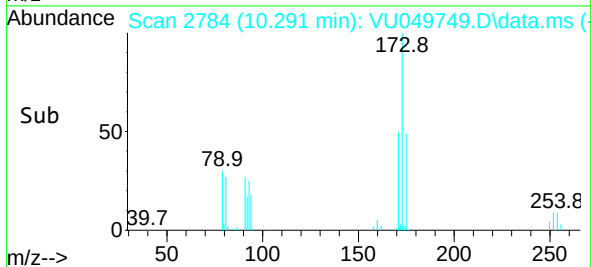
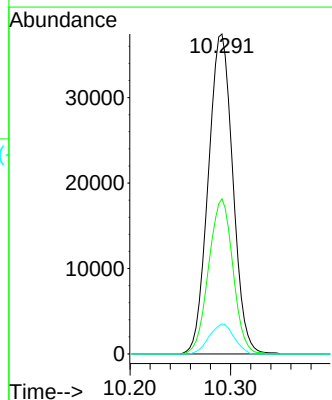
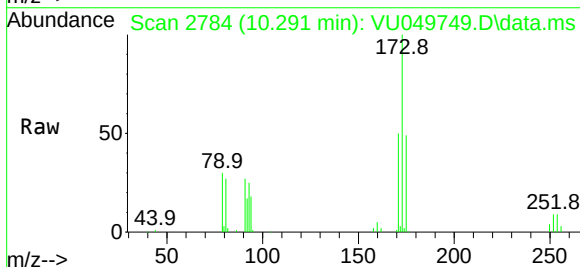
Tgt Ion:173 Resp: 63480

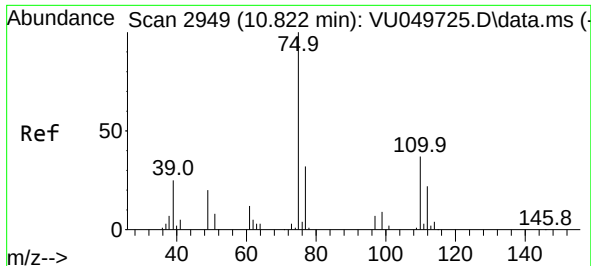
Ion Ratio Lower Upper

173 100

175 47.8 38.6 58.0

254 9.5 7.4 11.0

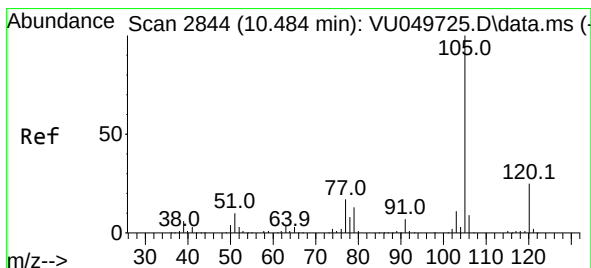
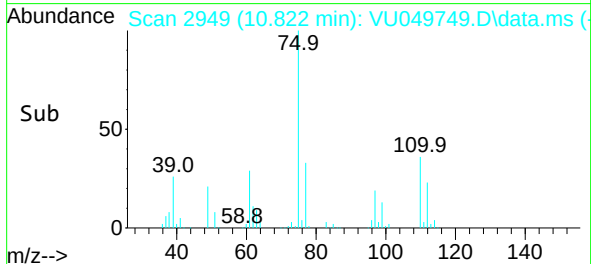
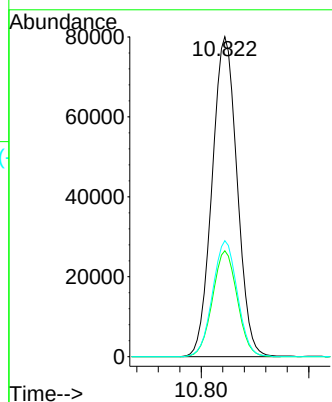
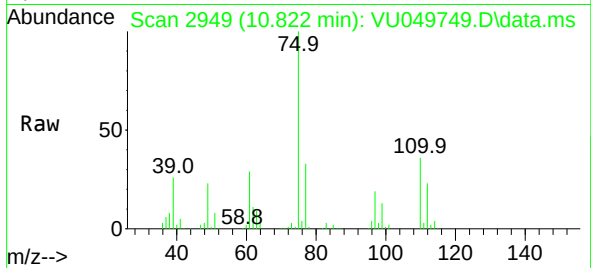




#60
1,2,3-Trichloropropane
Concen: 53.887 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

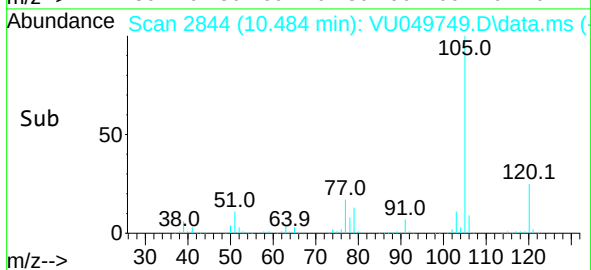
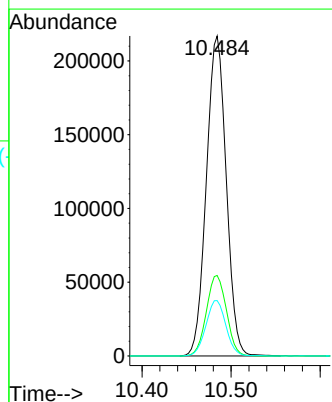
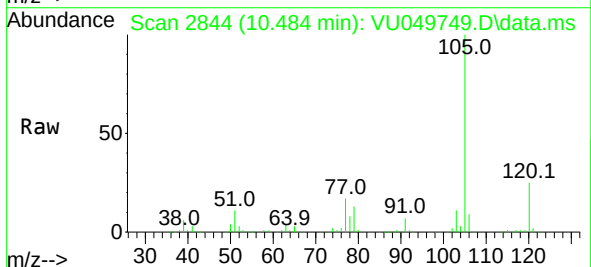
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

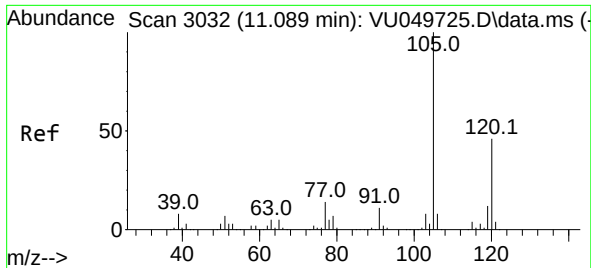
Tgt Ion: 75 Resp: 129317
Ion Ratio Lower Upper
75 100
77 32.8 25.5 38.3
110 35.9 28.9 43.3



#61
Isopropylbenzene
Concen: 49.883 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion: 105 Resp: 335582
Ion Ratio Lower Upper
105 100
120 25.4 19.9 29.9
77 17.4 13.8 20.8

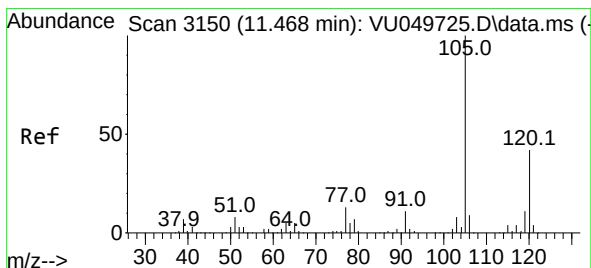
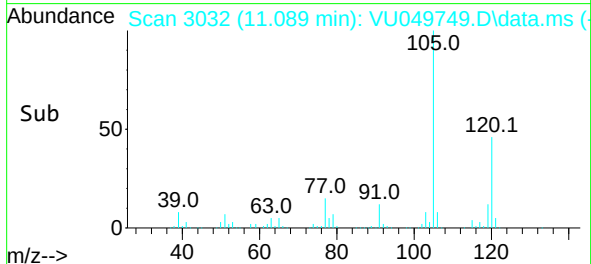
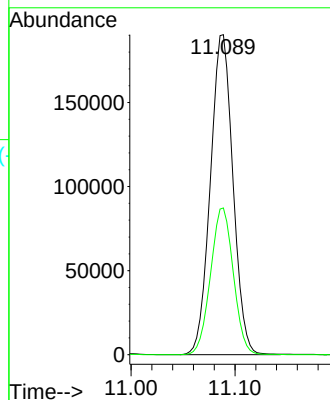
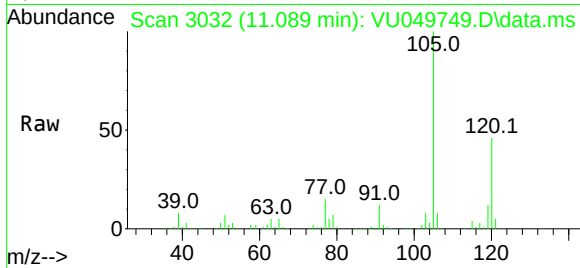




#62
1,3,5-Trimethylbenzene
Concen: 50.682 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

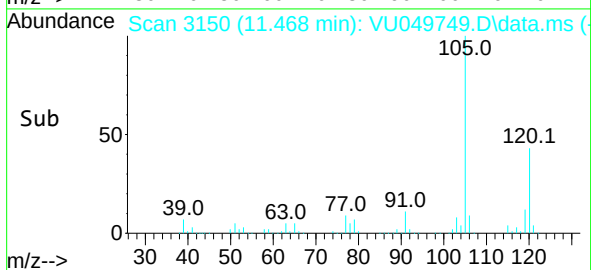
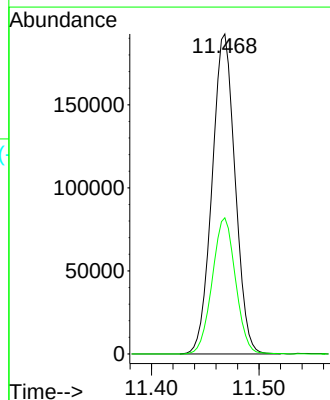
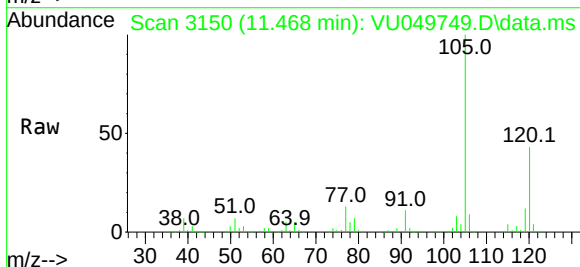
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

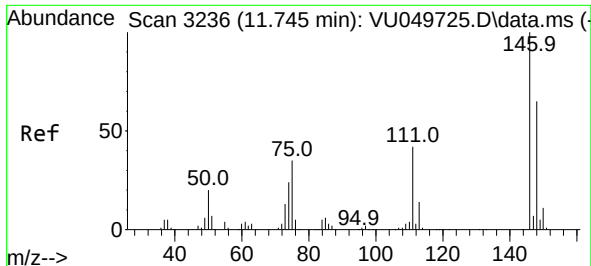
Tgt Ion:105 Resp: 287596
Ion Ratio Lower Upper
105 100
120 46.3 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 50.797 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion:105 Resp: 286359
Ion Ratio Lower Upper
105 100
120 43.1 33.9 50.9

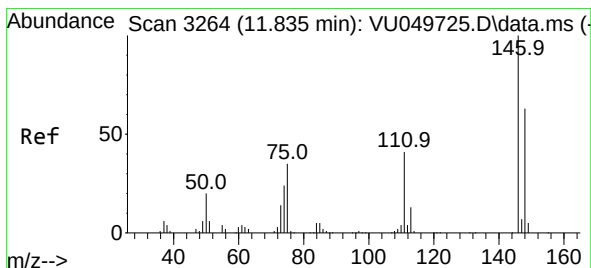
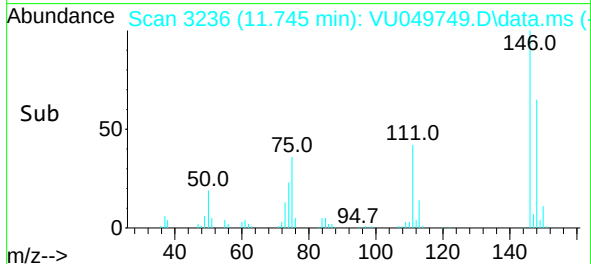
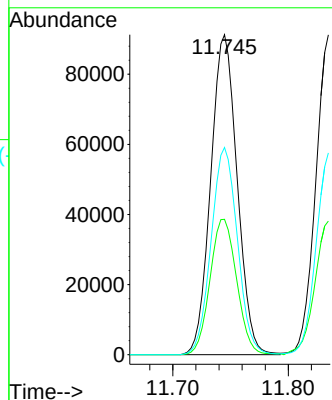
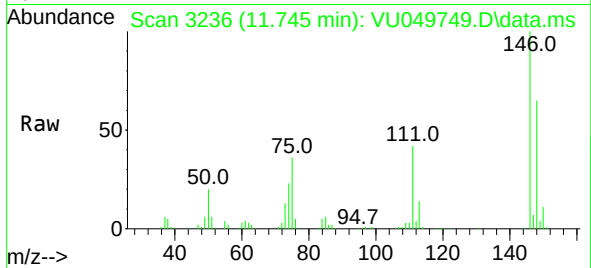




#64
1,3-Dichlorobenzene
Concen: 49.432 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

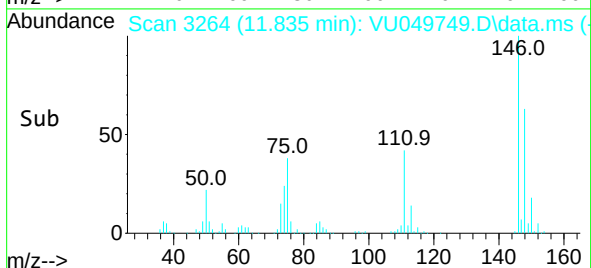
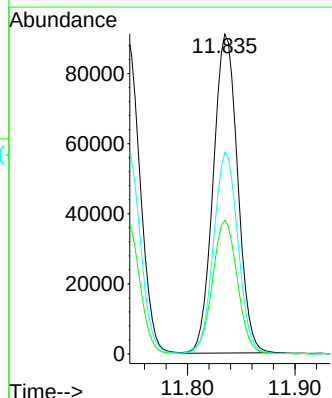
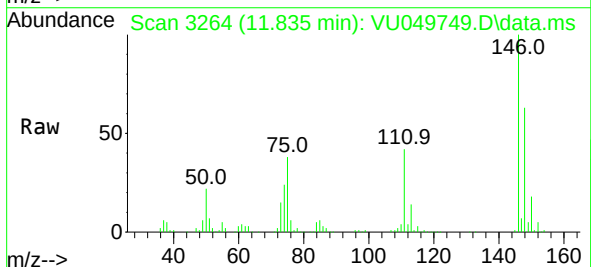
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

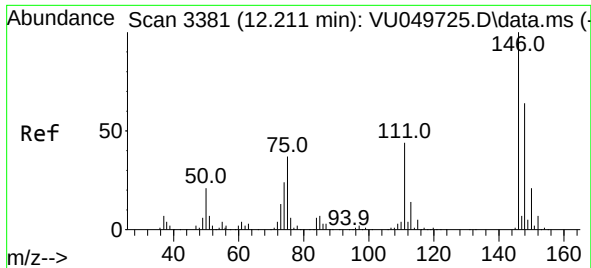
Tgt Ion:146 Resp: 145166
Ion Ratio Lower Upper
146 100
111 42.3 30.0 55.6
148 64.7 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 48.687 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049749.D
Acq: 15 Jul 2022 20:08

Tgt Ion:146 Resp: 143626
Ion Ratio Lower Upper
146 100
111 41.8 29.1 54.1
148 63.1 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 50.888 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050166

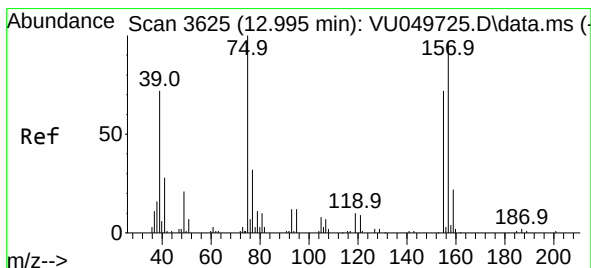
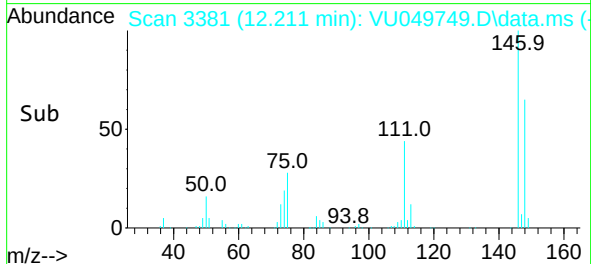
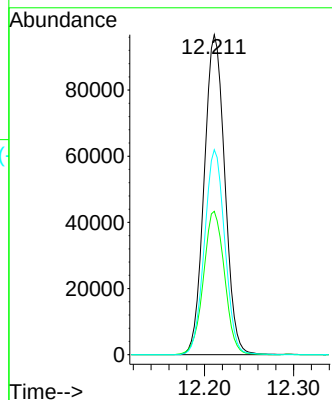
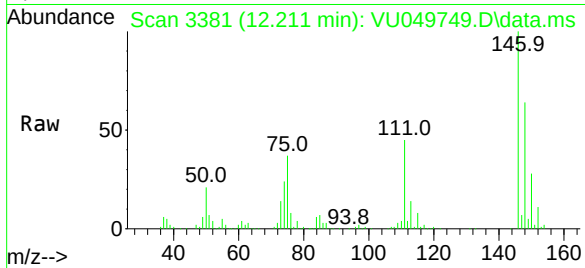
Tgt Ion:146 Resp: 155397

Ion Ratio Lower Upper

146 100

111 44.8 35.8 53.8

148 64.1 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 56.662 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

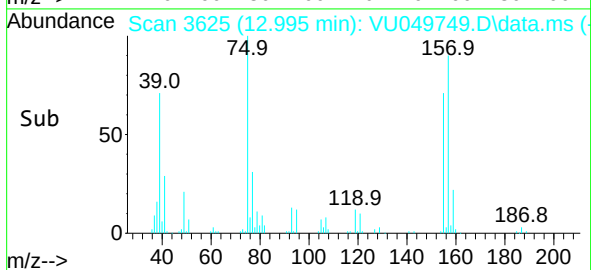
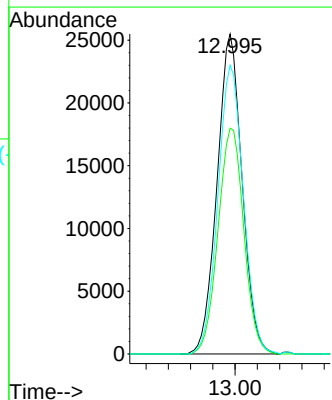
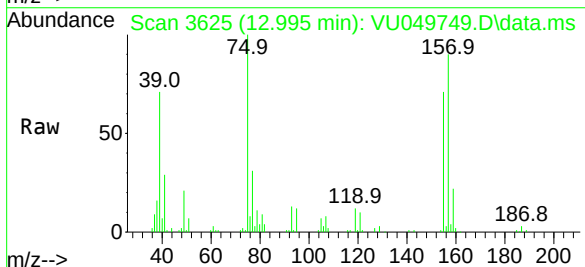
Tgt Ion: 75 Resp: 39843

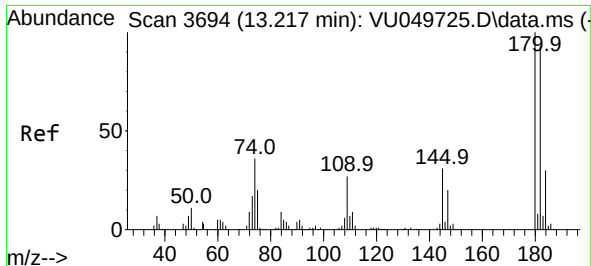
Ion Ratio Lower Upper

75 100

155 70.5 57.7 86.5

157 90.2 75.6 113.4

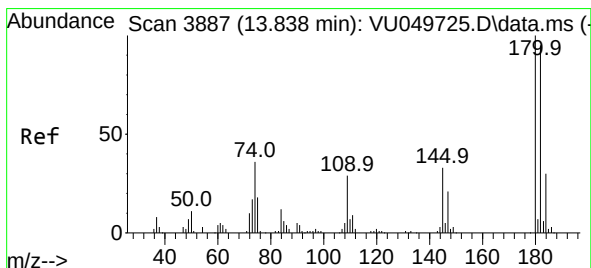
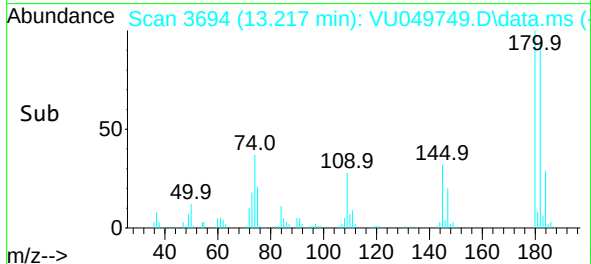
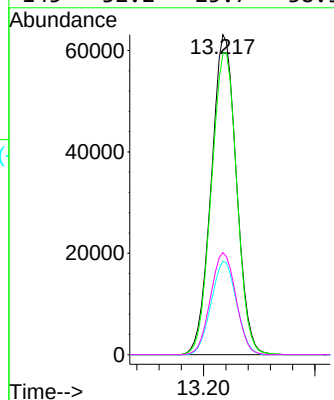
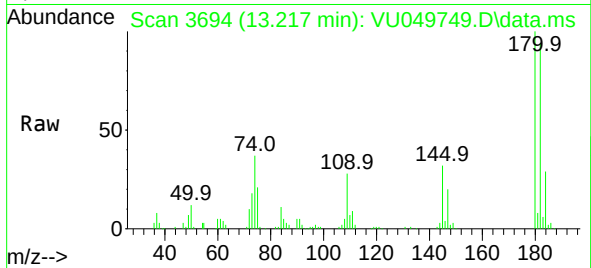




#69
 1,3,5-Trichlorobenzene
 Concen: 48.014 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU049749.D
 Acq: 15 Jul 2022 20:08

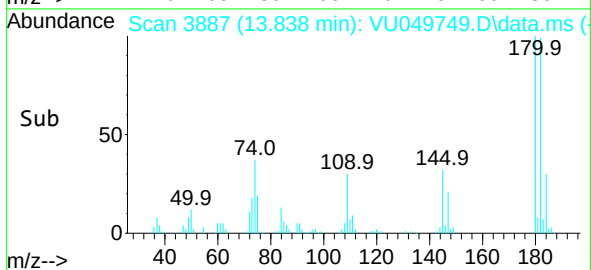
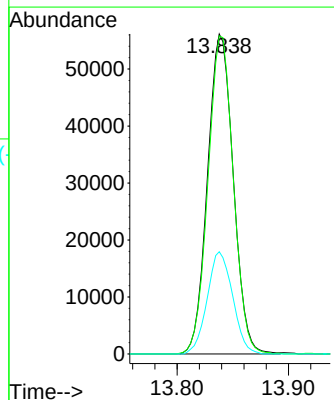
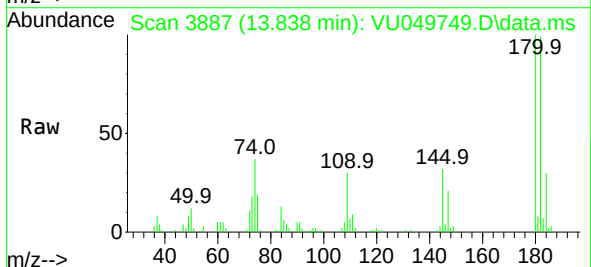
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050166

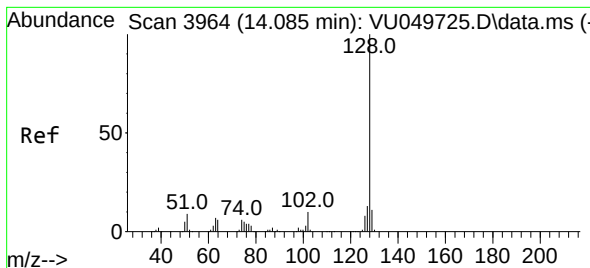
Tgt Ion:180	Resp:	98804
Ion Ratio	Lower	Upper
180	100	
182	95.6	76.0 114.0
184	29.5	24.0 36.0
145	32.2	25.7 38.5



#70
 1,2,4-trichlorobenzene
 Concen: 47.765 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU049749.D
 Acq: 15 Jul 2022 20:08

Tgt Ion:180	Resp:	90200
Ion Ratio	Lower	Upper
180	100	
182	97.7	74.8 112.2
145	31.5	24.7 37.1





#71

Naphthalene

Concen: 56.195 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD050166

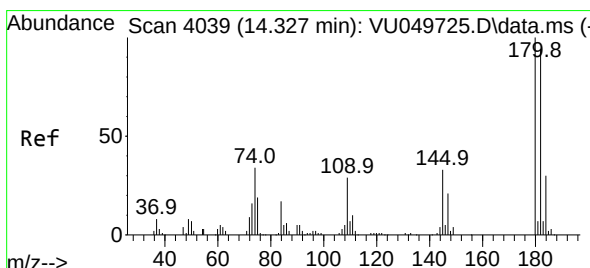
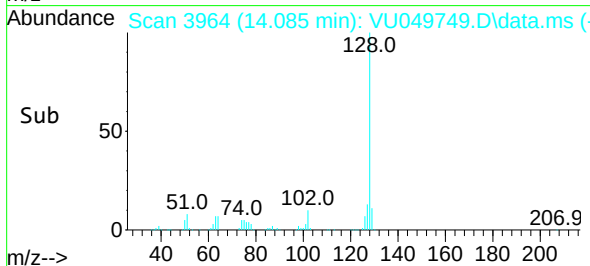
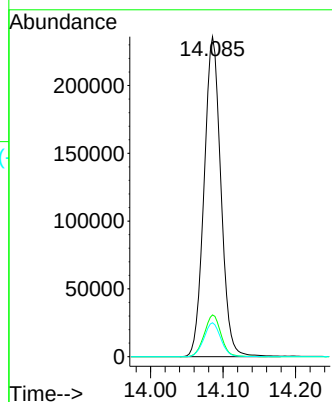
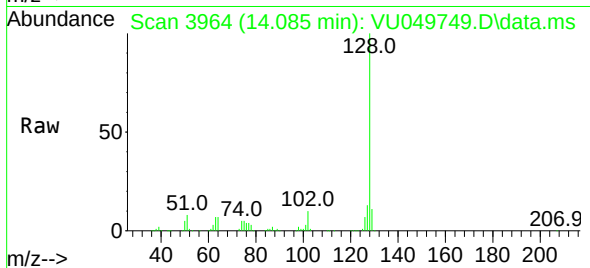
Tgt Ion:128 Resp: 379361

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 51.969 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU049749.D

Acq: 15 Jul 2022 20:08

Tgt Ion:180 Resp: 101658

Ion Ratio Lower Upper

180 100

182 95.0 76.6 115.0

145 33.6 27.1 40.7

