

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072122\
 Data File : U049840.D
 Acq On : 21 Jul 2022 19:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050174

Quant Time: Jul 22 04:16:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 22 03:08:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	182238	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	170720	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	84963	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	58104	37.788	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.580%
7) Chloroethane-d5	1.896	69	47141	42.414	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.820%
11) 1,1-Dichloroethene-d2	2.562	63	111060	40.891	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.780%
21) 2-Butanone-d5	4.623	46	157998	120.368	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.370%
24) Chloroform-d	5.063	84	137642	50.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.080%
26) 1,2-Dichloroethane-d4	5.700	65	93953	50.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.940%
32) Benzene-d6	5.726	84	239115	46.104	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.690	67	87965	50.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.840%
41) Toluene-d8	7.899	98	201076	44.519	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.040%
43) trans-1,3-Dichloroprop...	8.179	79	36767	50.023	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.040%
47) 2-Hexanone-d5	8.632	63	87427	111.412	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.410%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	134817	55.232	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.460%
66) 1,2-Dichlorobenzene-d4	12.195	152	77159	48.166	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	95137	43.551	ug/L	99
3) Chloromethane	1.523	50	122435	51.068	ug/L	99
5) Vinyl chloride	1.600	62	99104	45.745	ug/L	100
6) Bromomethane	1.835	94	52480	52.430	ug/L	94
8) Chloroethane	1.919	64	58837	49.026	ug/L	98
9) Trichlorofluoromethane	2.128	101	125010	46.724	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	62871	44.783	ug/L	99
12) 1,1-Dichloroethene	2.571	96	62161	47.708	ug/L	97
13) Acetone	2.623	43	116968	93.766	ug/L	98
14) Carbon disulfide	2.787	76	172203	39.192	ug/L	100
15) Methyl Acetate	2.944	43	126568	62.452	ug/L	100
16) Methylene chloride	3.041	84	92222	56.206	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	67106	47.081	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	275777	56.487	ug/L	99
19) 1,1-Dichloroethane	3.867	63	159005	53.584	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	85841	53.587	ug/L	99
22) 2-Butanone	4.700	43	192916	115.508	ug/L	100
23) Bromochloromethane	4.970	128	46332	57.966	ug/L	95
25) Chloroform	5.086	83	166611	55.993	ug/L	100

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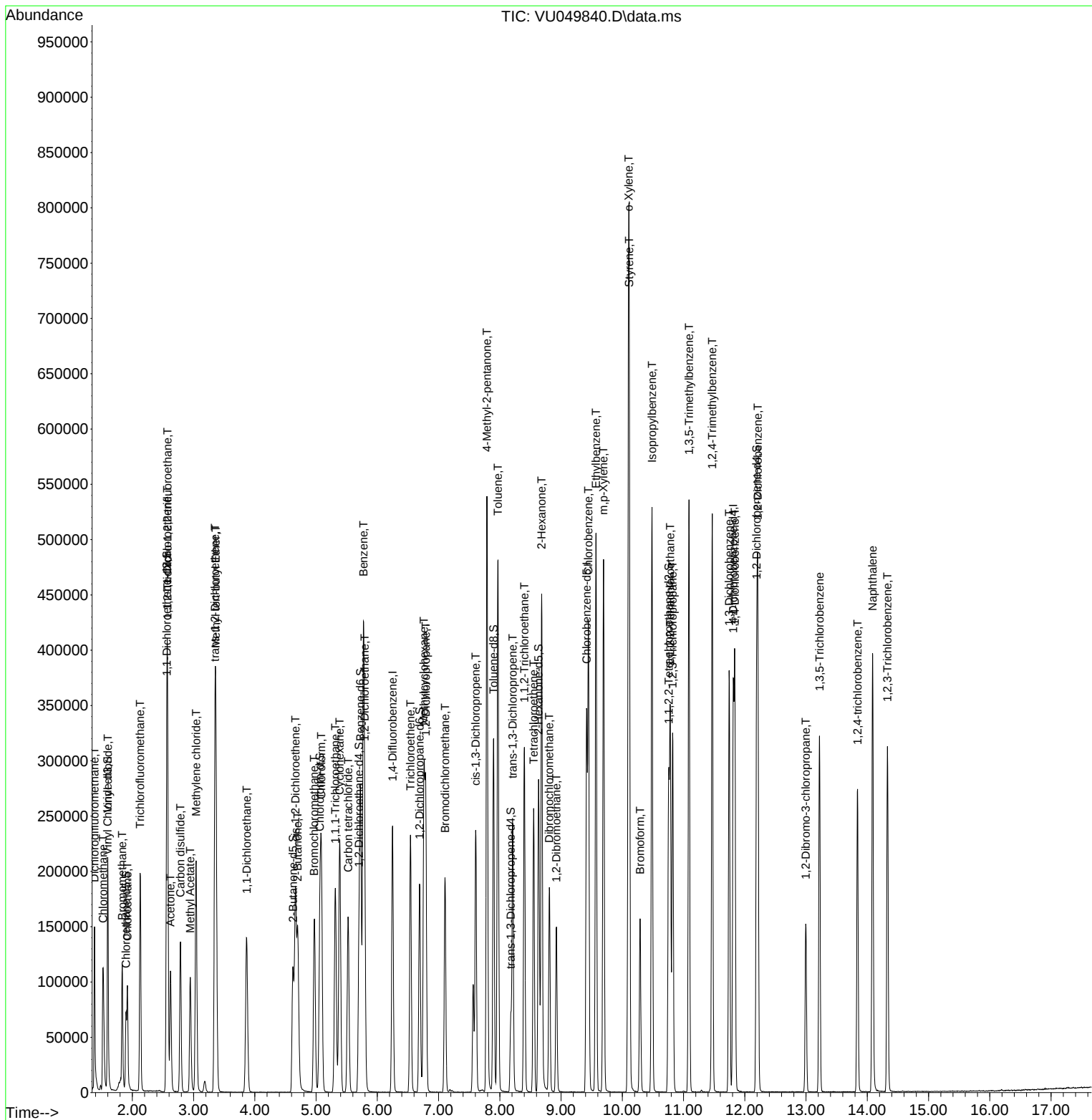
Instrument :
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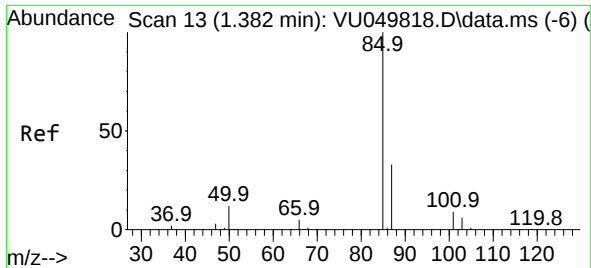
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	142021	56.052	ug/L	99
29) Cyclohexane	5.385	56	111725	41.927	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	132501	53.611	ug/L	99
31) Carbon tetrachloride	5.523	117	104862	51.875	ug/L	98
33) Benzene	5.774	78	337230	52.552	ug/L	100
34) Trichloroethene	6.542	95	77396	49.895	ug/L	98
35) Methylcyclohexane	6.761	83	102307	41.972	ug/L	98
37) 1,2-Dichloropropane	6.790	63	100107	56.282	ug/L	100
38) Bromodichloromethane	7.105	83	122288	55.453	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	134435	56.042	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	350604	121.761	ug/L	99
42) Toluene	7.970	91	335891	52.666	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	125351	55.653	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	91219	58.756	ug/L	99
46) Tetrachloroethene	8.552	164	51662	48.020	ug/L	97
48) 2-Hexanone	8.684	43	281346	122.270	ug/L	100
49) Dibromochloromethane	8.809	129	90454	57.928	ug/L	95
50) 1,2-Dibromoethane	8.925	107	92679	60.095	ug/L	100
51) Chlorobenzene	9.446	112	205412	53.185	ug/L	98
52) Ethylbenzene	9.571	91	342066	50.826	ug/L	99
53) m,p-Xylene	9.693	106	125517	51.289	ug/L	97
54) o-Xylene	10.102	106	131539	53.381	ug/L	99
55) Styrene	10.115	104	224717	55.259	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	161388	58.072	ug/L	99
59) Bromoform	10.291	173	65519	57.495	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	131409	58.067	ug/L	99
61) Isopropylbenzene	10.484	105	322393	50.817	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	277499	51.857	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	272024	51.168	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	142821	51.571	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	137357	49.375	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	152228	52.862	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	38491	58.046	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	92631	47.733	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	77178	43.338	ug/L	98
71) Naphthalene	14.089	128	302780	47.560	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	86655	46.975	ug/L	98

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

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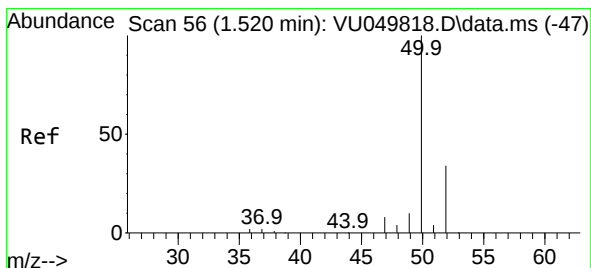
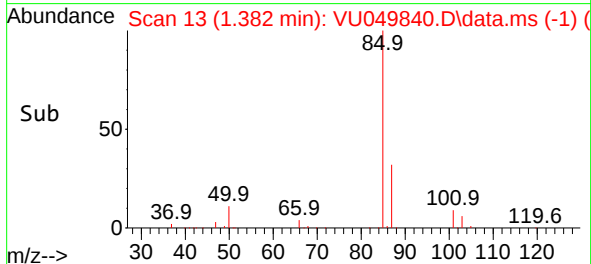
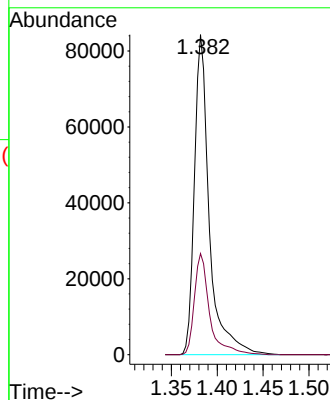
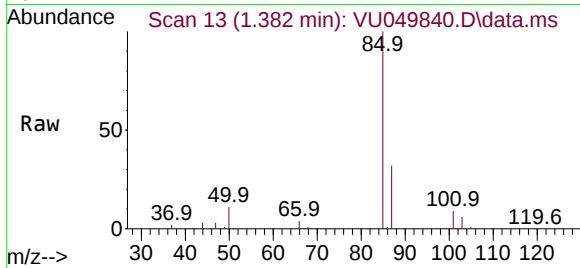




#2
Dichlorodifluoromethane
Concen: 43.551 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

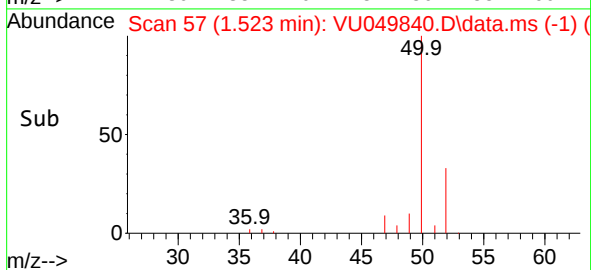
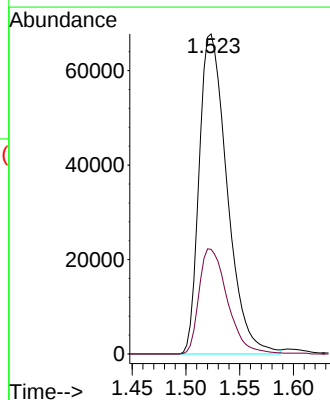
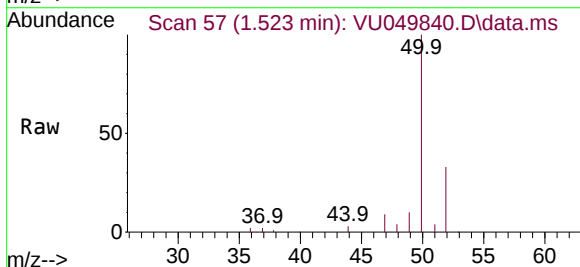
Instrument :
MSVOA_U
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VSTD050174

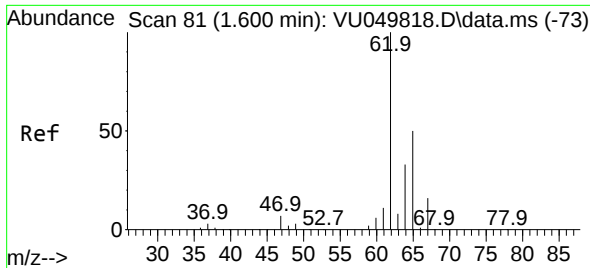
Tgt Ion: 85 Resp: 95137
Ion Ratio Lower Upper
85 100
87 32.4 26.3 39.5



#3
Chloromethane
Concen: 51.068 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion: 50 Resp: 122435
Ion Ratio Lower Upper
50 100
52 32.7 23.2 43.0

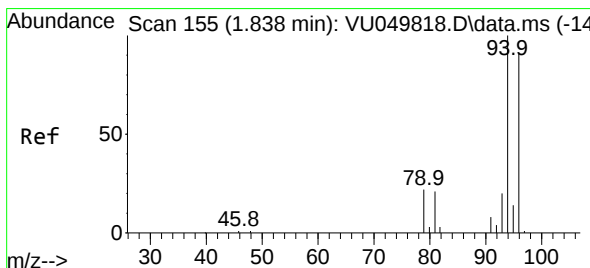
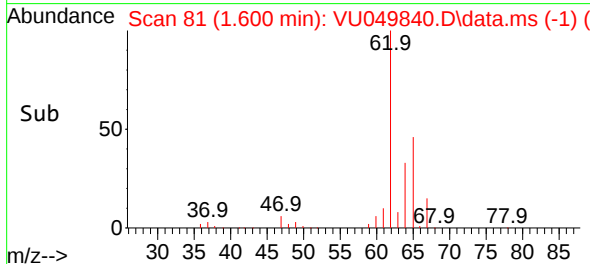
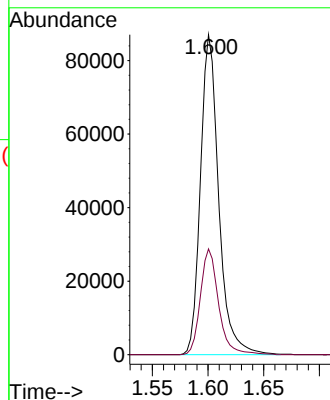
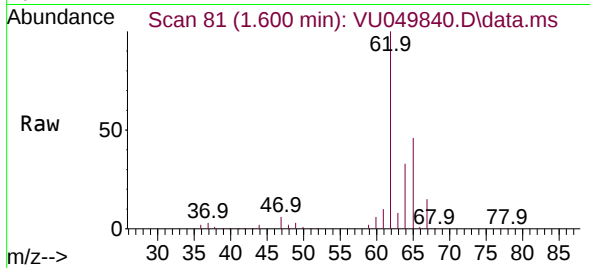




#5
 Vinyl chloride
 Concen: 45.745 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049840.D
 Acq: 21 Jul 2022 19:46

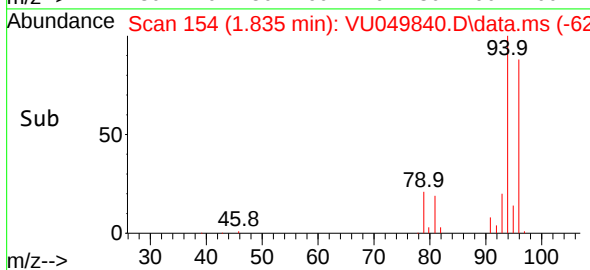
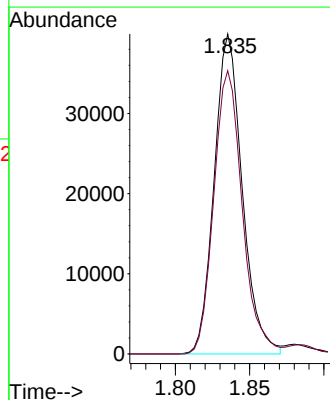
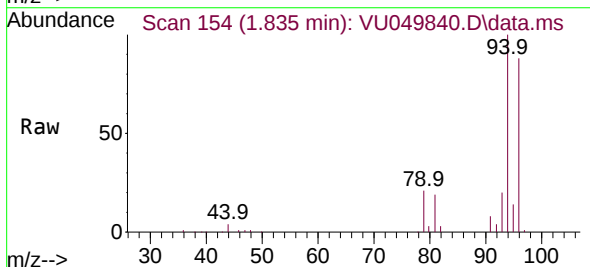
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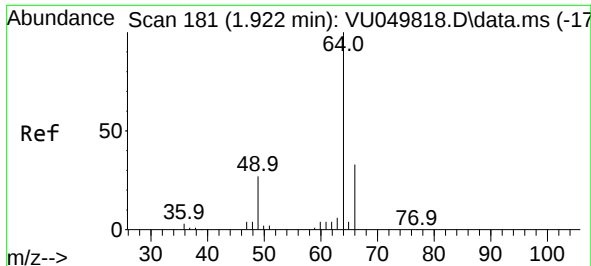
Tgt Ion: 62 Resp: 99104
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.0 42.6



#6
 Bromomethane
 Concen: 52.430 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. -0.003 min
 Lab File: VU049840.D
 Acq: 21 Jul 2022 19:46

Tgt Ion: 94 Resp: 52480
 Ion Ratio Lower Upper
 94 100
 96 88.5 66.1 122.7

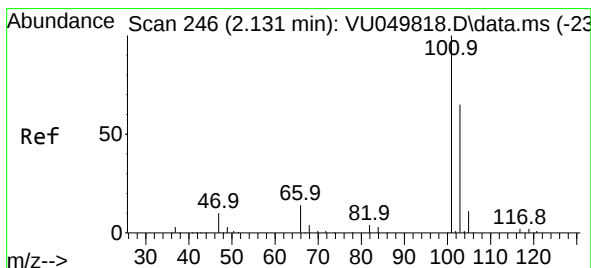
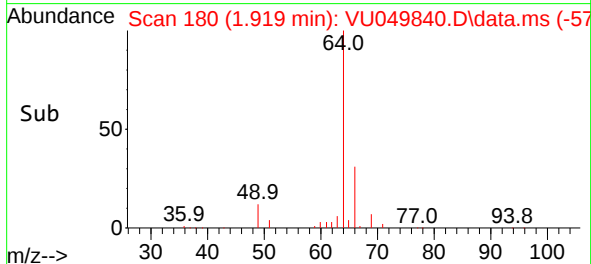
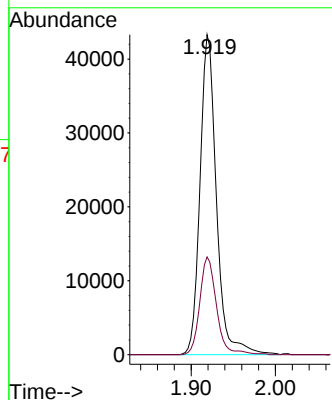
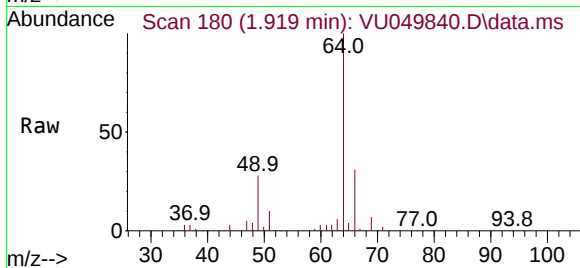




#8
Chloroethane
Concen: 49.026 ug/L
RT: 1.919 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

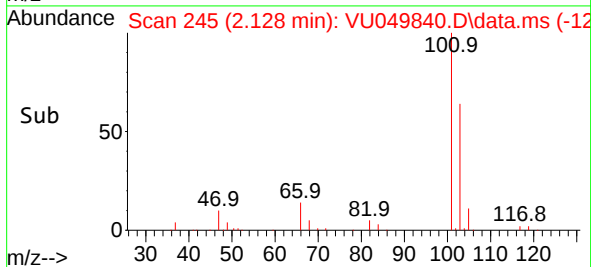
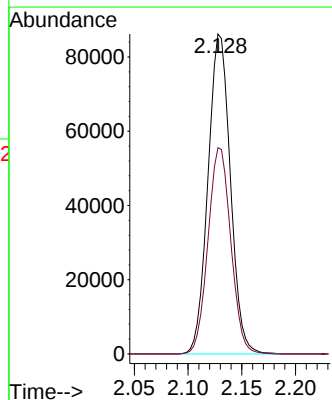
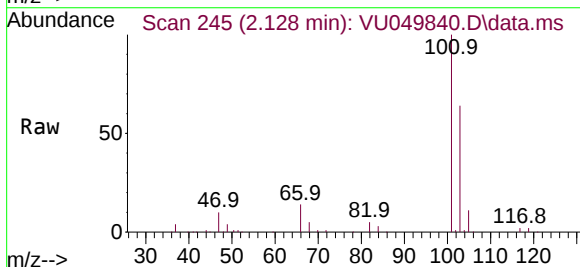
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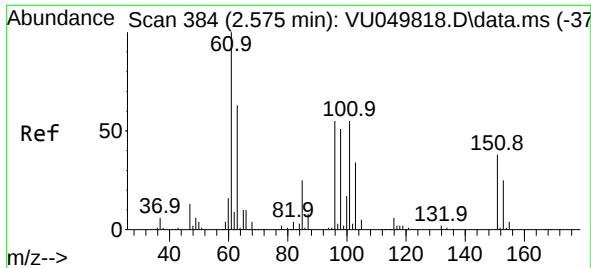
Tgt Ion: 64 Resp: 58837
Ion Ratio Lower Upper
64 100
66 30.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 46.724 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.003 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion:101 Resp: 125010
Ion Ratio Lower Upper
101 100
103 65.6 52.2 78.4

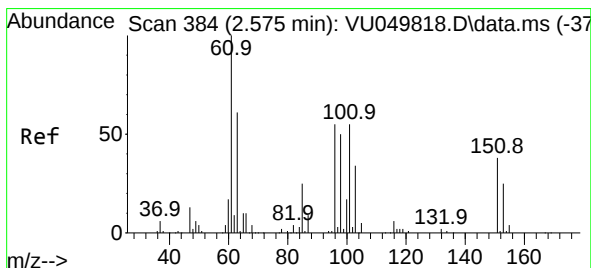
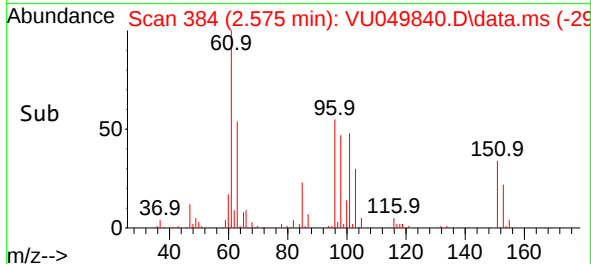
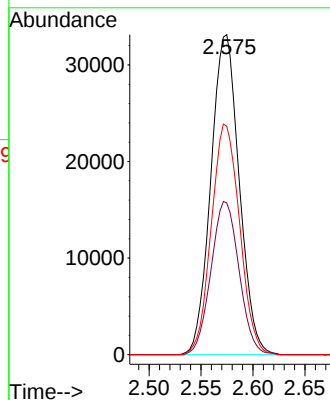
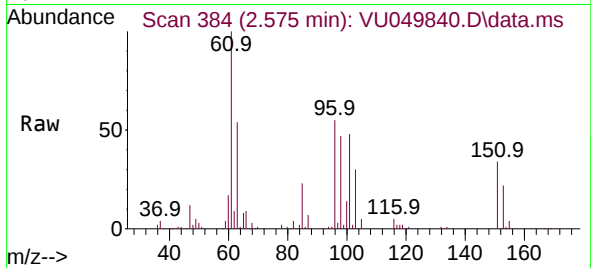




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.783 ug/L
RT: 2.575 min Scan# 384
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

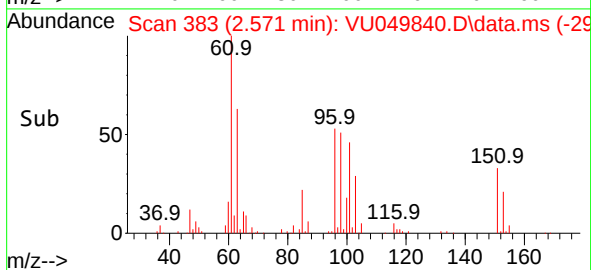
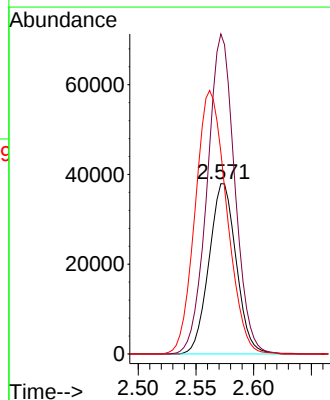
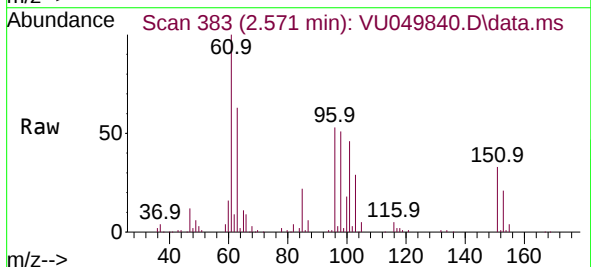
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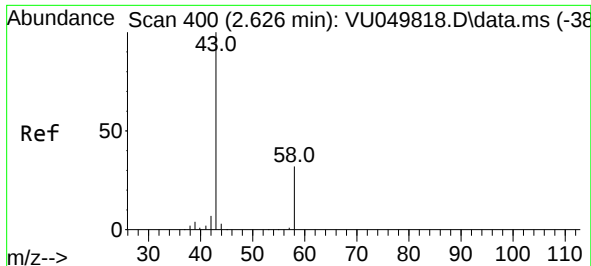
Tgt Ion: 101 Resp: 62871
Ion Ratio Lower Upper
101 100
85 47.4 37.3 55.9
151 72.0 56.9 85.3



#12
1,1-Dichloroethene
Concen: 47.708 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion: 96 Resp: 62161
Ion Ratio Lower Upper
96 100
61 187.9 129.6 240.6
63 118.7 79.0 146.6





#13

Acetone

Concen: 93.766 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

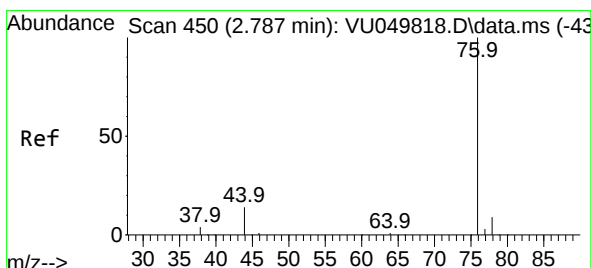
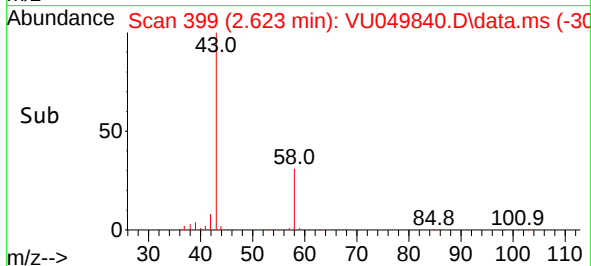
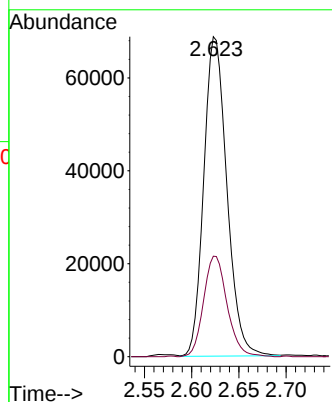
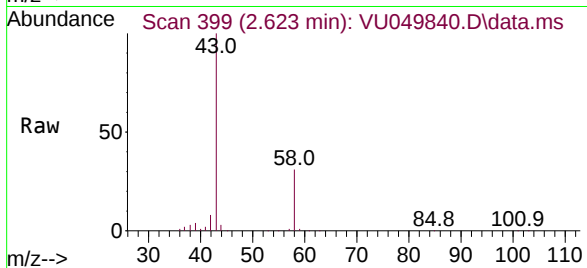
VSTD050174

Tgt Ion: 43 Resp: 116968

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.4



#14

Carbon disulfide

Concen: 39.192 ug/L

RT: 2.787 min Scan# 450

Delta R.T. 0.000 min

Lab File: VU049840.D

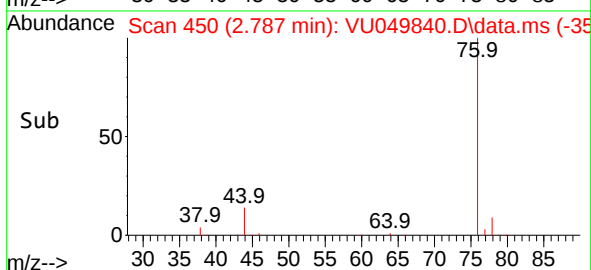
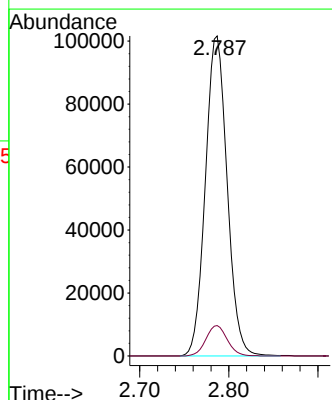
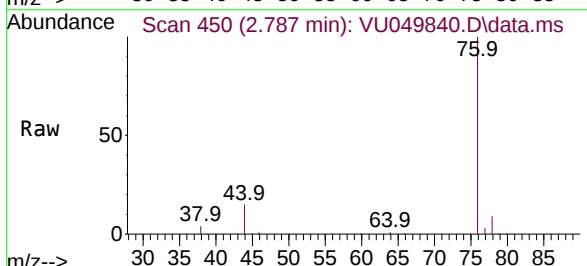
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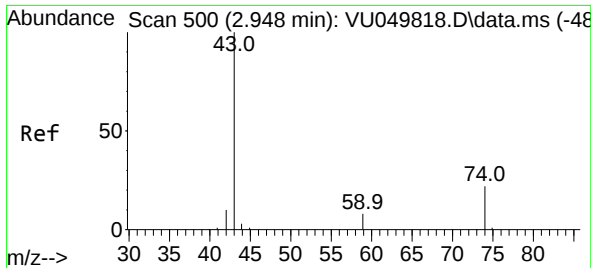
Tgt Ion: 76 Resp: 172203

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

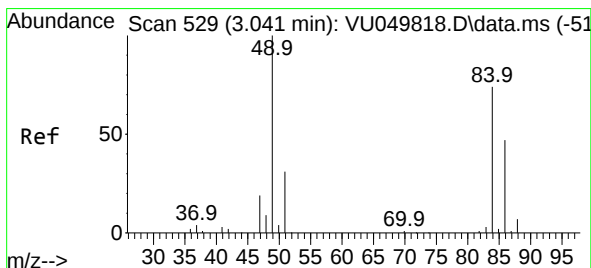
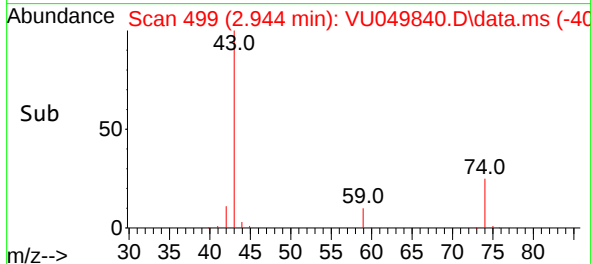
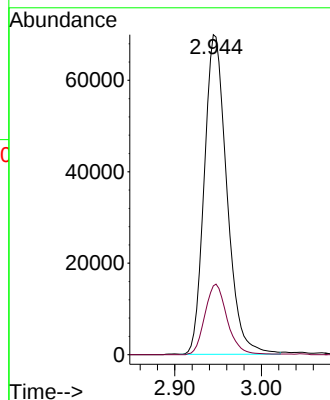
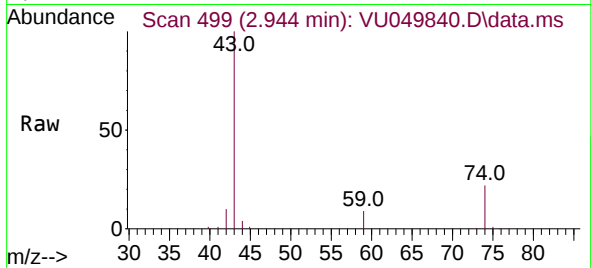




#15
Methyl Acetate
Concen: 62.452 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

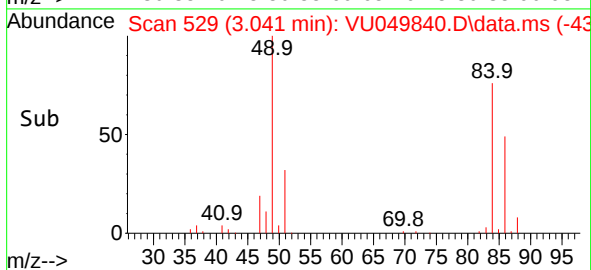
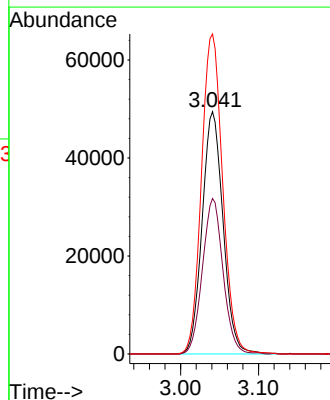
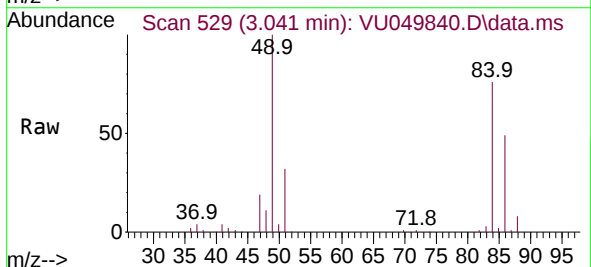
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

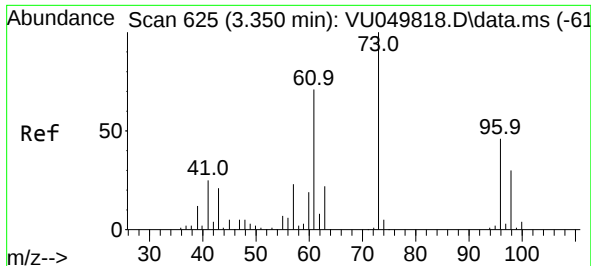
Tgt Ion: 43 Resp: 126568
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.0



#16
Methylene chloride
Concen: 56.206 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion: 84 Resp: 92222
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.6
49 132.1 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 47.081 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050174

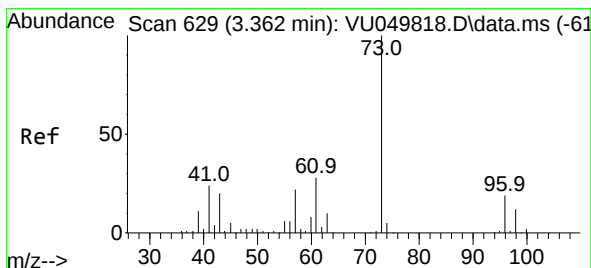
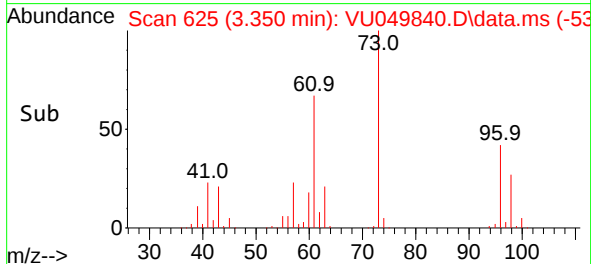
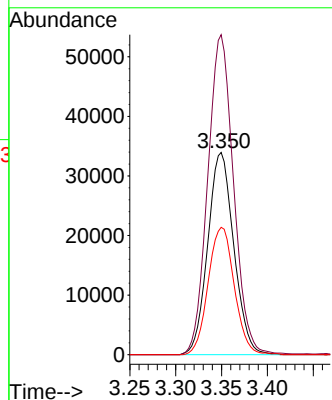
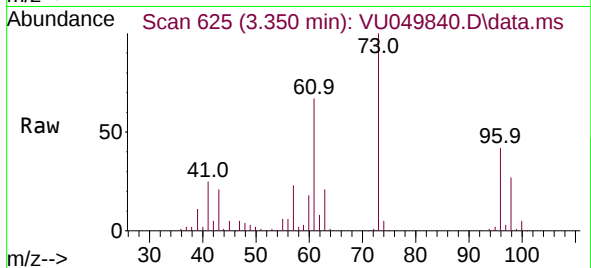
Tgt Ion: 96 Resp: 67106

Ion Ratio Lower Upper

96 100

61 158.3 107.6 199.8

98 63.0 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 56.487 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

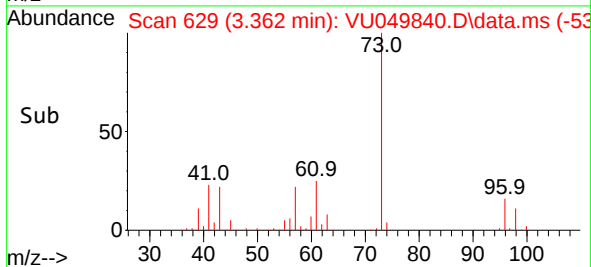
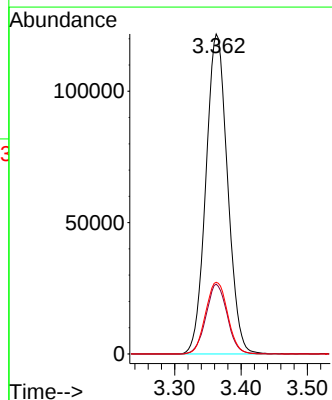
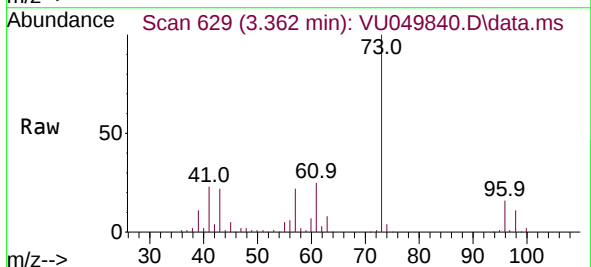
Tgt Ion: 73 Resp: 275777

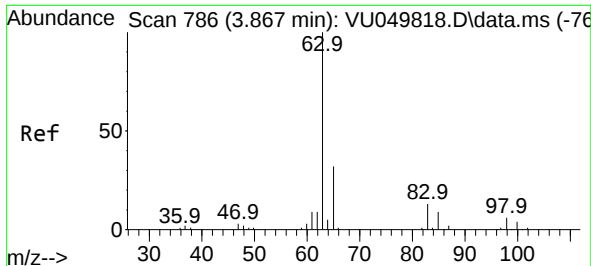
Ion Ratio Lower Upper

73 100

43 21.5 17.0 25.4

57 22.9 18.5 27.7





#19

1,1-Dichloroethane

Concen: 53.584 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050174

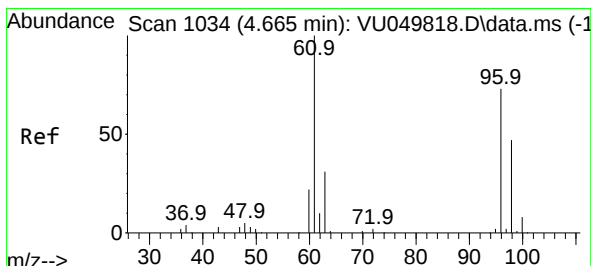
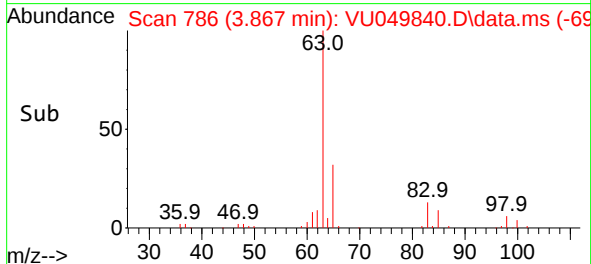
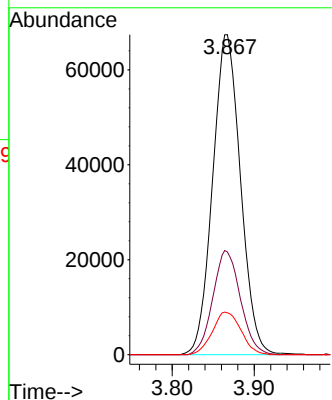
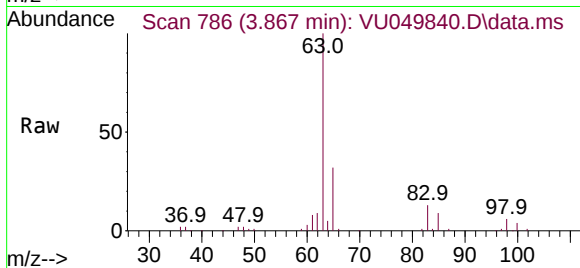
Tgt Ion: 63 Resp: 159005

Ion Ratio Lower Upper

63 100

65 32.1 22.6 42.0

83 13.1 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 53.587 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

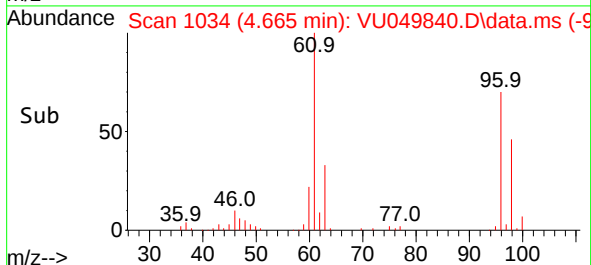
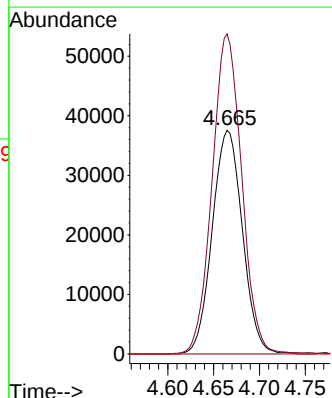
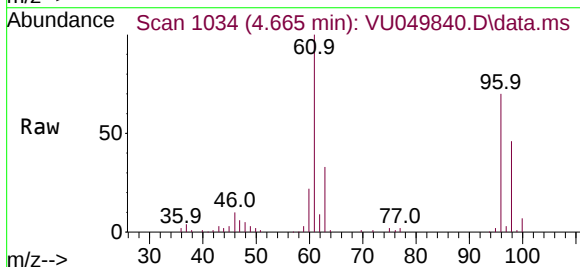
Tgt Ion: 96 Resp: 85841

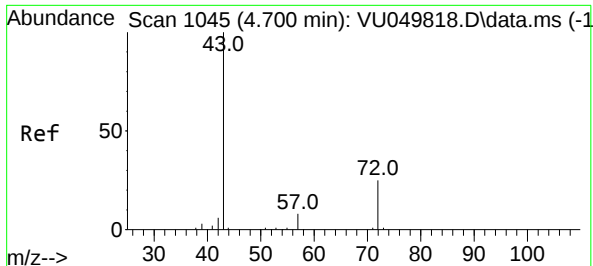
Ion Ratio Lower Upper

96 100

61 143.0 101.1 187.7

68 0.0 0.0 0.0

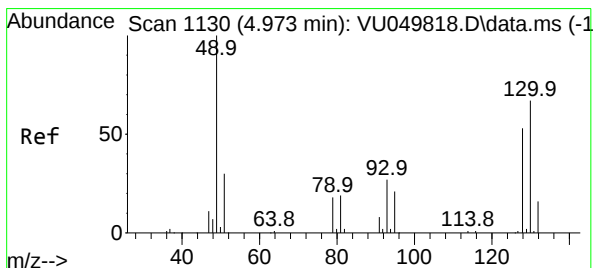
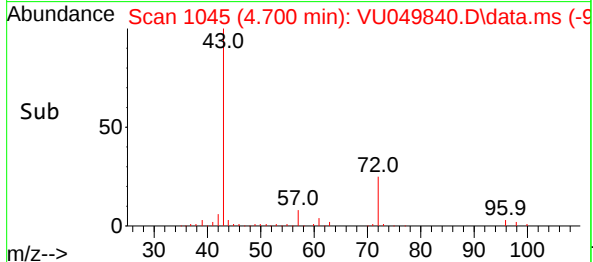
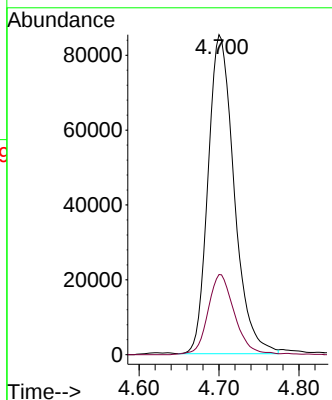
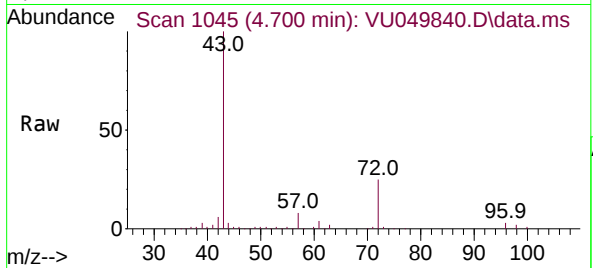




#22
2-Butanone
Concen: 115.508 ug/L
RT: 4.700 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

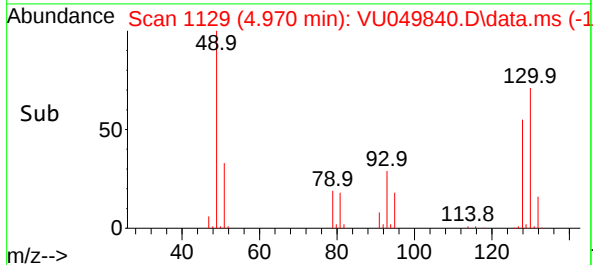
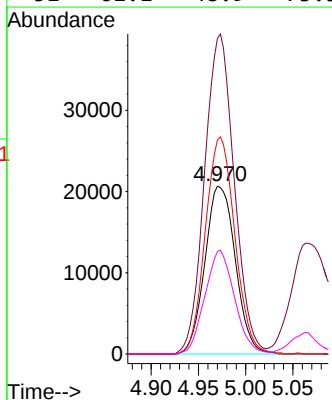
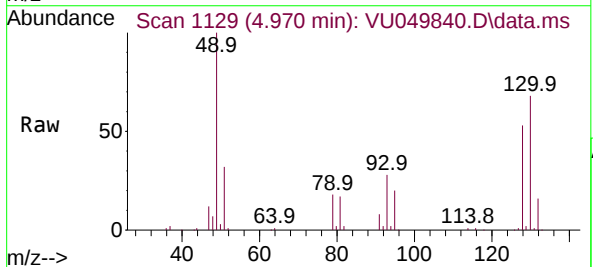
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

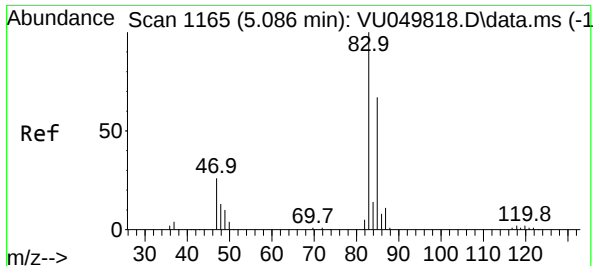
Tgt Ion: 43 Resp: 192916
Ion Ratio Lower Upper
43 100
72 25.3 12.7 38.0



#23
Bromochloromethane
Concen: 57.966 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion:128 Resp: 46332
Ion Ratio Lower Upper
128 100
49 188.0 140.9 261.7
130 127.5 90.0 167.2
51 61.1 48.9 73.3





#25

Chloroform

Concen: 55.993 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

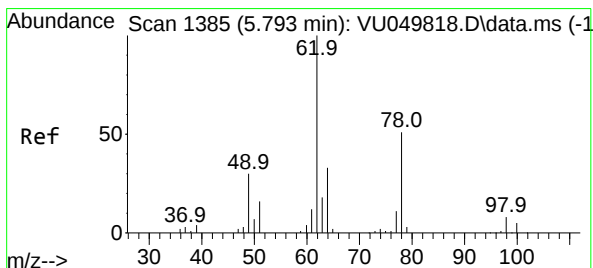
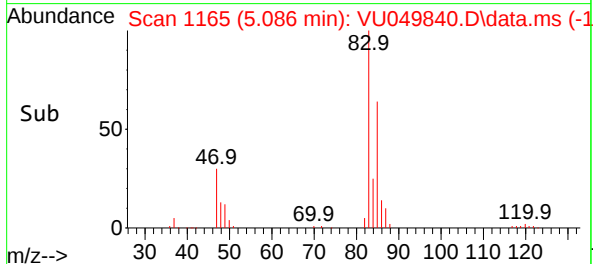
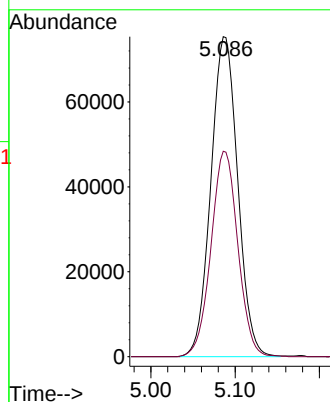
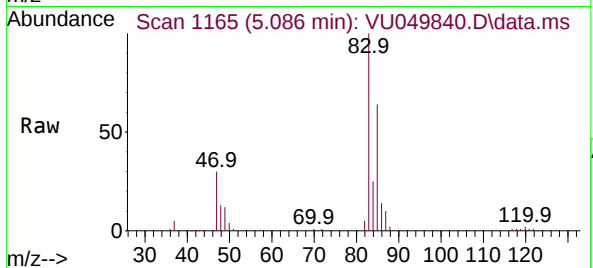
VSTD050174

Tgt Ion: 83 Resp: 166611

Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0



#27

1,2-Dichloroethane

Concen: 56.052 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049840.D

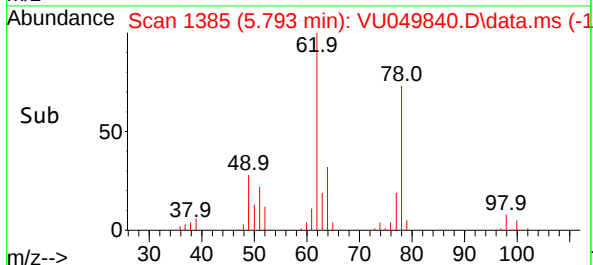
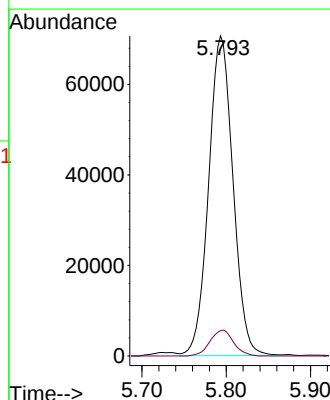
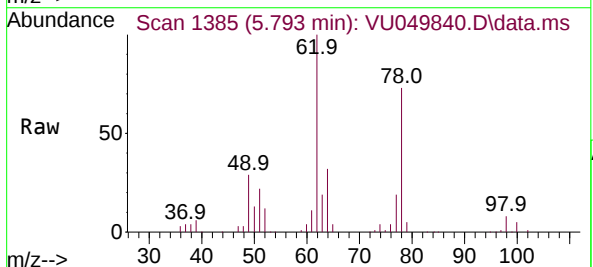
Acq: 21 Jul 2022 19:46

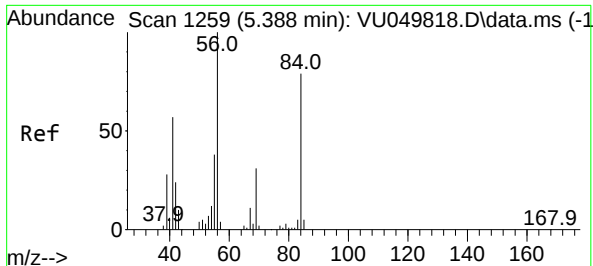
Tgt Ion: 62 Resp: 142021

Ion Ratio Lower Upper

62 100

98 7.9 6.7 10.1





#29

Cyclohexane

Concen: 41.927 ug/L

RT: 5.385 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050174

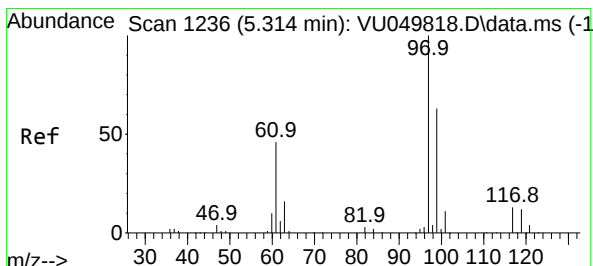
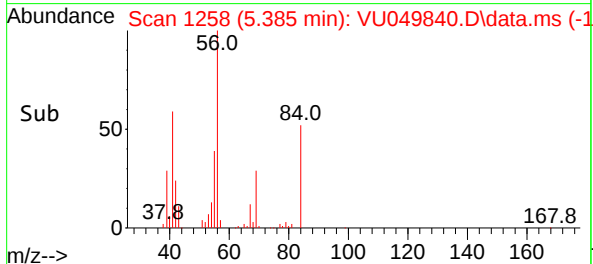
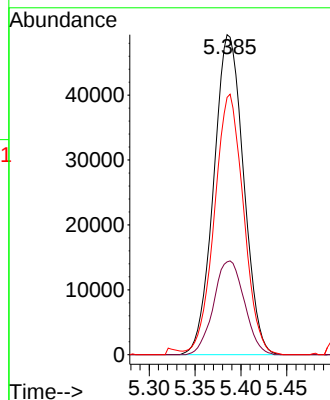
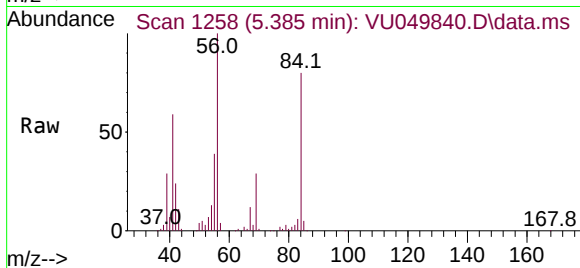
Tgt Ion: 56 Resp: 111725

Ion Ratio Lower Upper

56 100

69 30.1 23.4 35.2

84 79.6 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 53.611 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

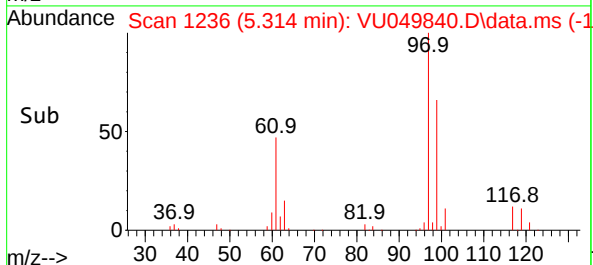
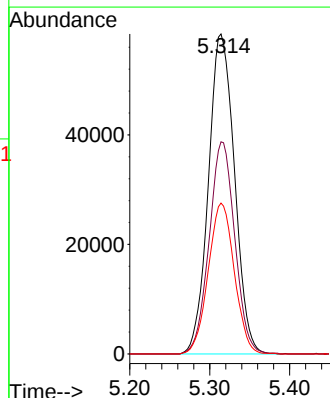
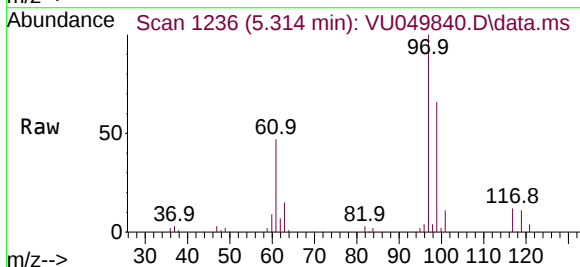
Tgt Ion: 97 Resp: 132501

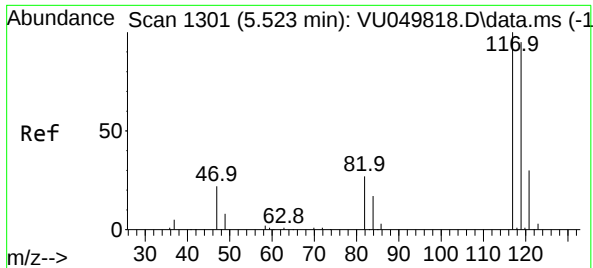
Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

61 47.1 38.2 57.2

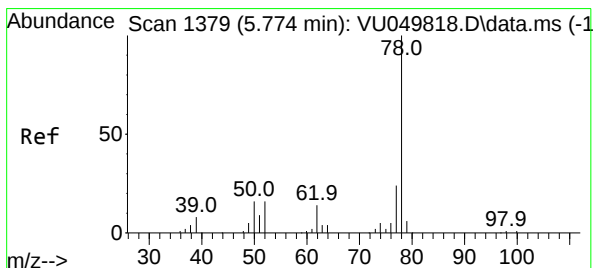
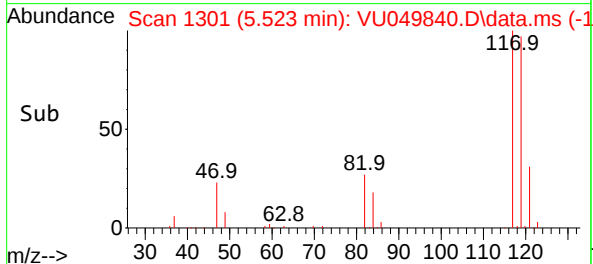
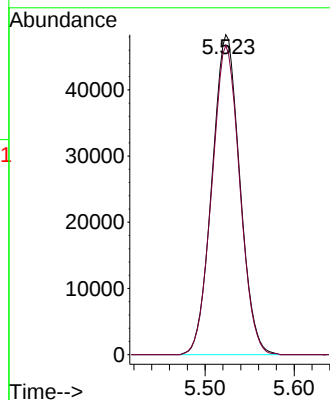
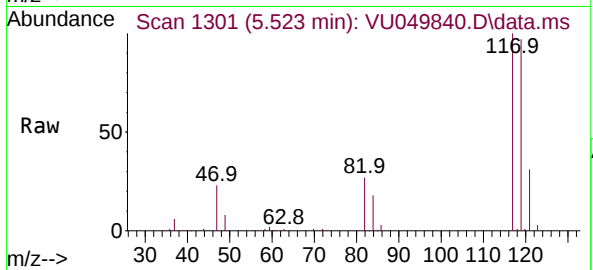




#31
Carbon tetrachloride
Concen: 51.875 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

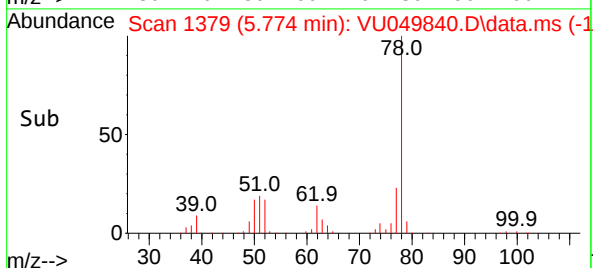
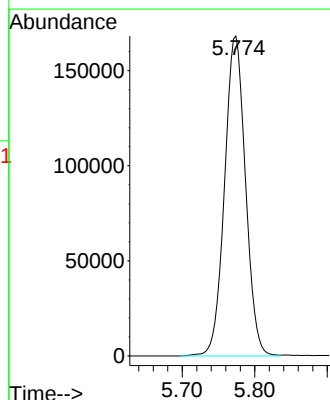
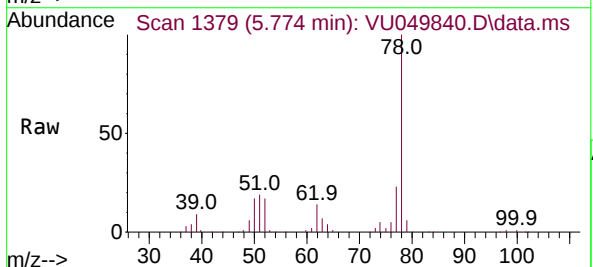
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

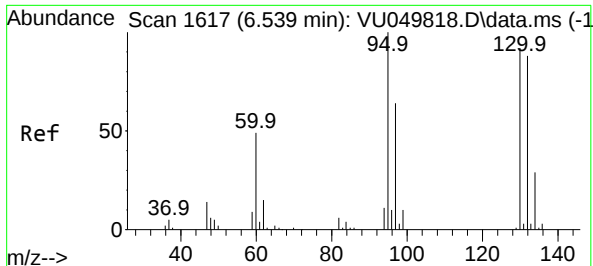
Tgt Ion:117 Resp: 104862
Ion Ratio Lower Upper
117 100
119 96.9 75.8 113.8



#33
Benzene
Concen: 52.552 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion: 78 Resp: 337230





#34

Trichloroethene

Concen: 49.895 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050174

Tgt Ion: 95 Resp: 77396

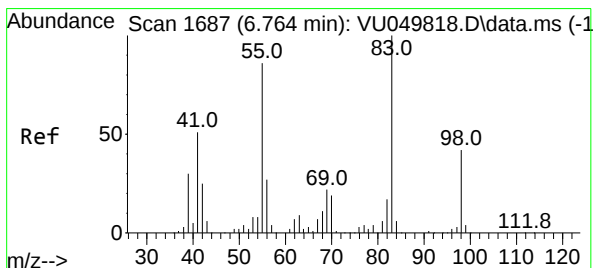
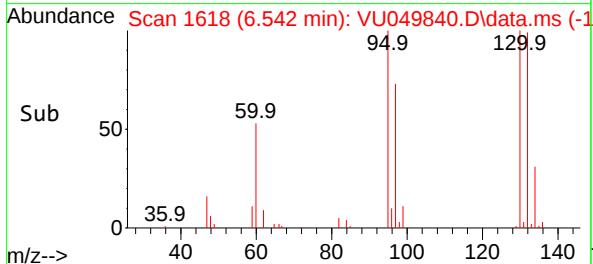
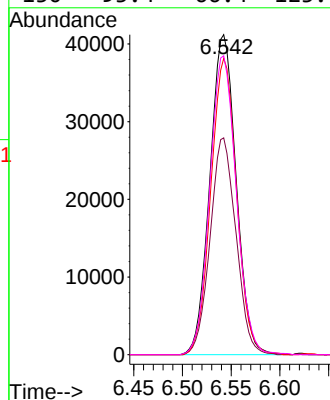
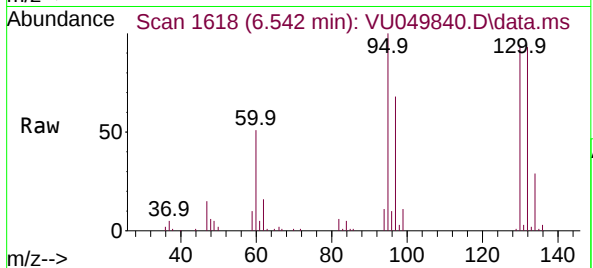
Ion Ratio Lower Upper

95 100

97 67.7 46.9 87.1

132 92.6 62.7 116.5

130 93.4 66.4 123.4



#35

Methylcyclohexane

Concen: 41.972 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.003 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

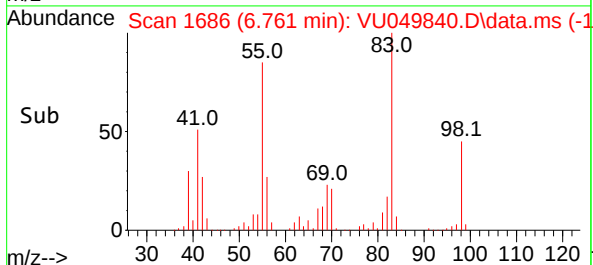
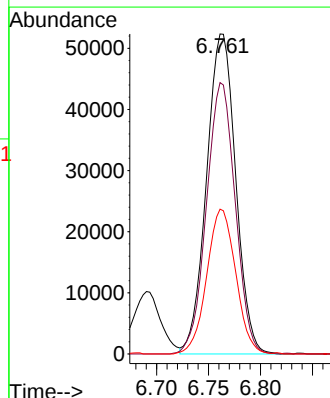
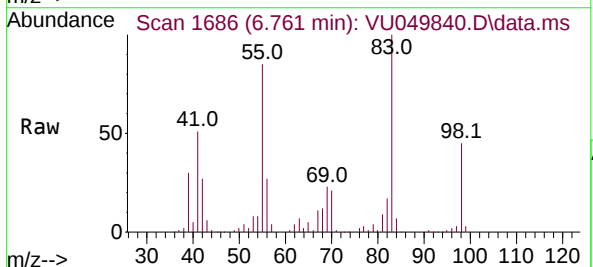
Tgt Ion: 83 Resp: 102307

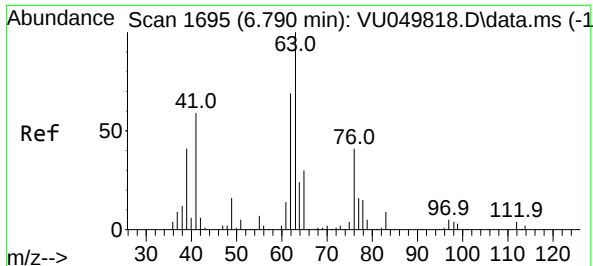
Ion Ratio Lower Upper

83 100

55 83.5 66.0 99.0

98 44.8 34.6 51.8





#37

1,2-Dichloropropane

Concen: 56.282 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

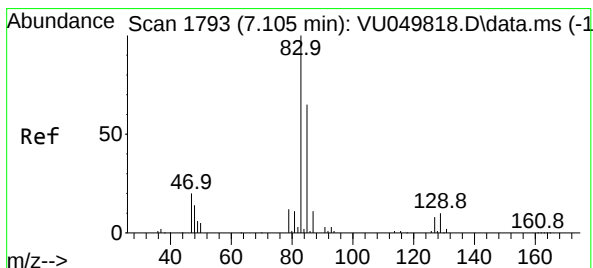
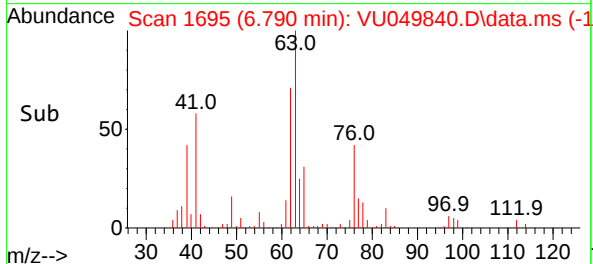
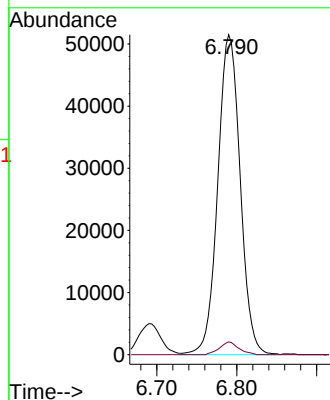
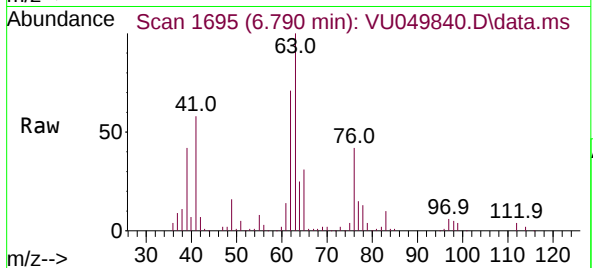
VSTD050174

Tgt Ion: 63 Resp: 100107

Ion Ratio Lower Upper

63 100

112 3.4 2.8 4.2



#38

Bromodichloromethane

Concen: 55.453 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

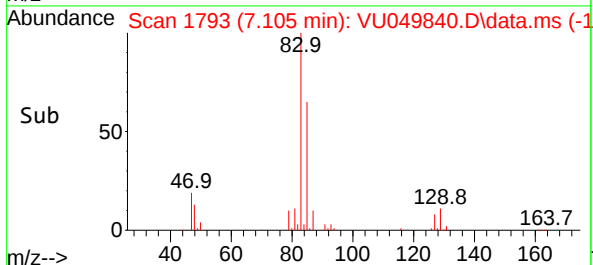
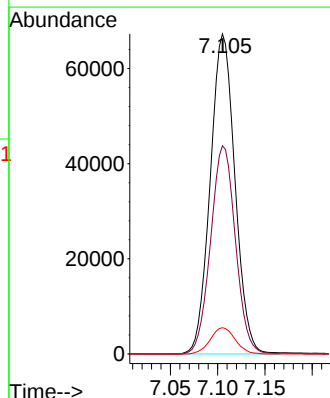
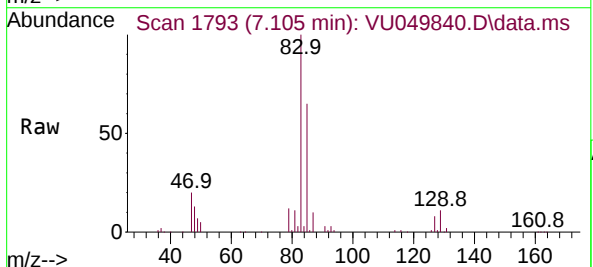
Tgt Ion: 83 Resp: 122288

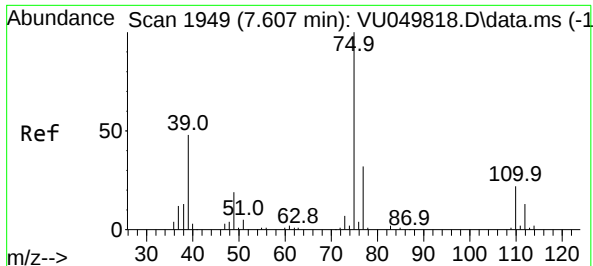
Ion Ratio Lower Upper

83 100

85 65.0 45.4 84.2

127 8.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 56.042 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

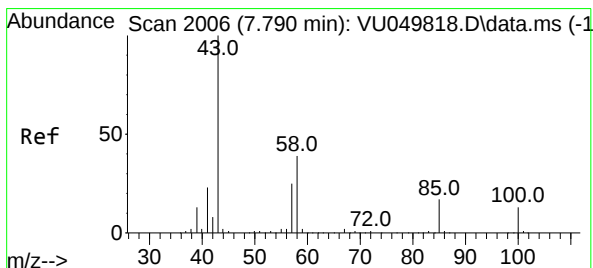
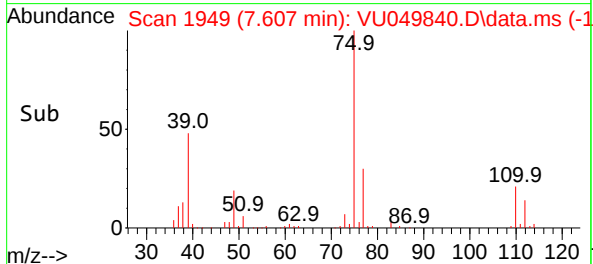
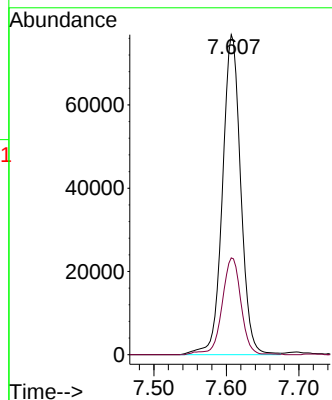
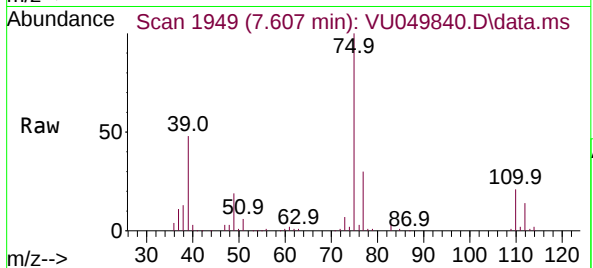
VSTD050174

Tgt Ion: 75 Resp: 134435

Ion Ratio Lower Upper

75 100

77 30.3 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 121.761 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

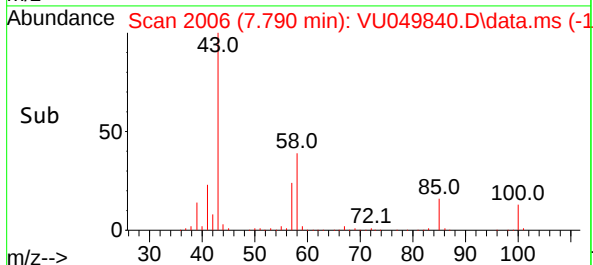
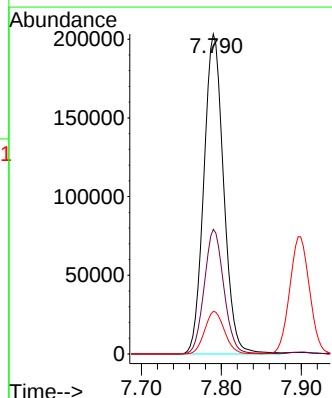
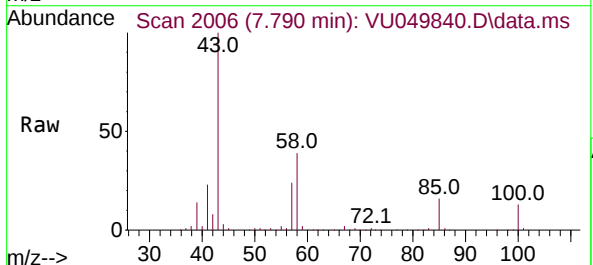
Tgt Ion: 43 Resp: 350604

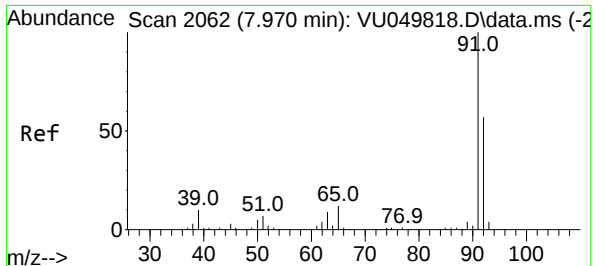
Ion Ratio Lower Upper

43 100

58 38.7 31.4 47.0

100 13.3 10.3 15.5





#42

Toluene

Concen: 52.666 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

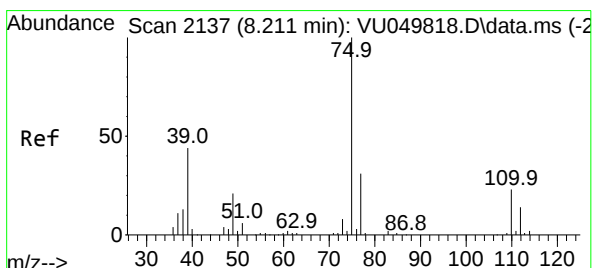
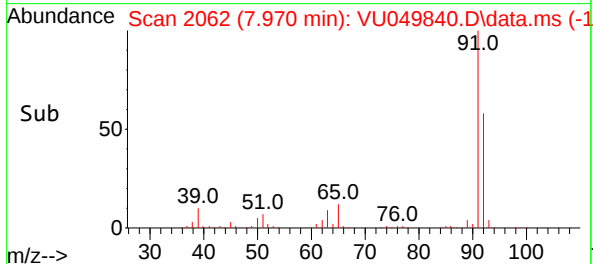
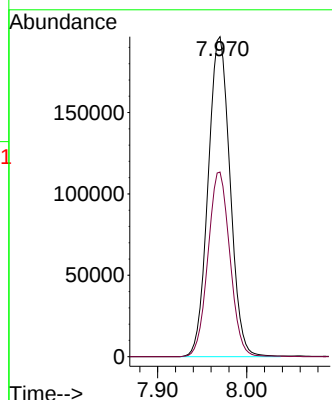
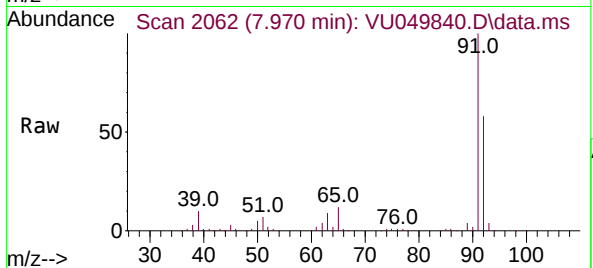
VSTD050174

Tgt Ion: 91 Resp: 335891

Ion Ratio Lower Upper

91 100

92 57.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 55.653 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049840.D

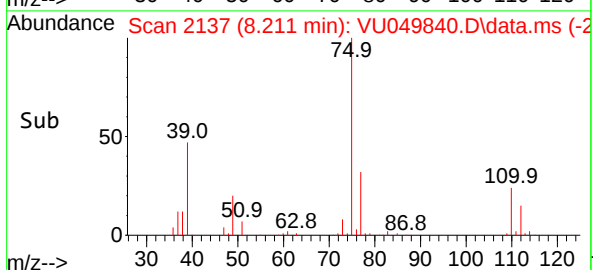
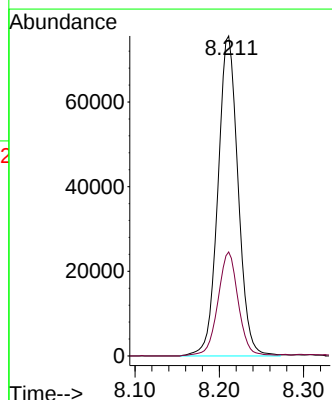
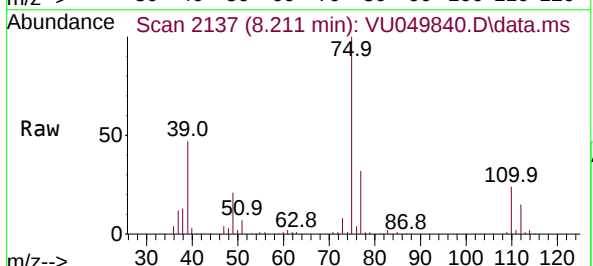
Acq: 21 Jul 2022 19:46

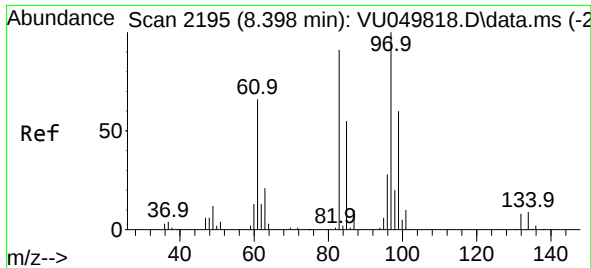
Tgt Ion: 75 Resp: 125351

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.9

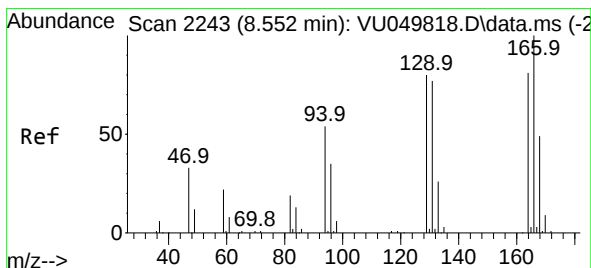
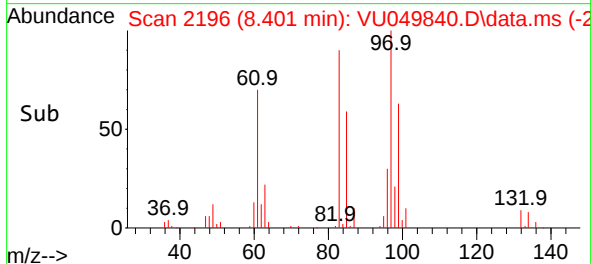
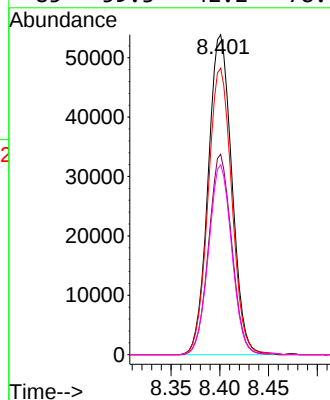
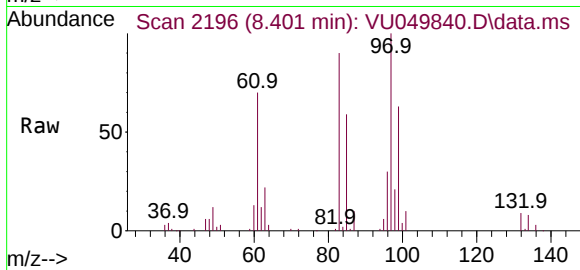




#45
1,1,2-Trichloroethane
Concen: 58.756 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

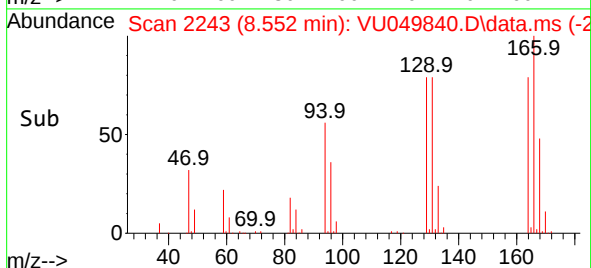
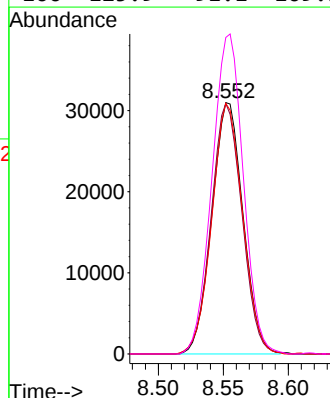
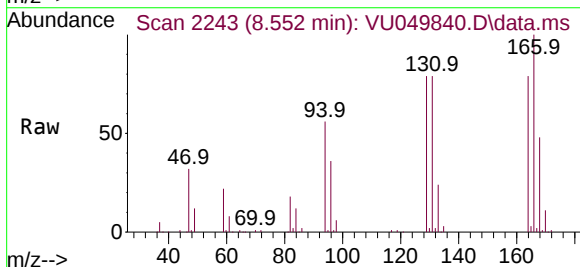
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

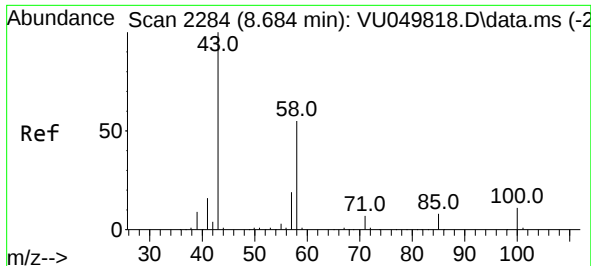
Tgt Ion:	97	Resp:	91219
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.3	82.3
83	89.5	64.0	118.8
85	59.3	42.2	78.4



#46
Tetrachloroethene
Concen: 48.020 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion:	164	Resp:	51662
Ion	Ratio	Lower	Upper
164	100		
129	99.7	72.0	133.8
131	99.7	69.0	128.1
166	125.9	91.1	169.3

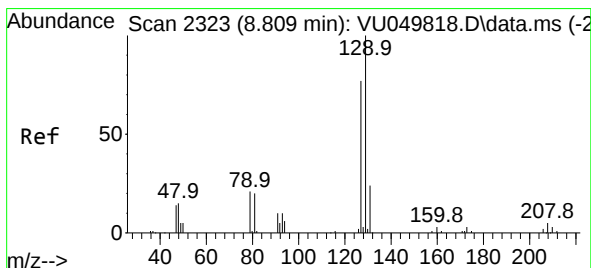
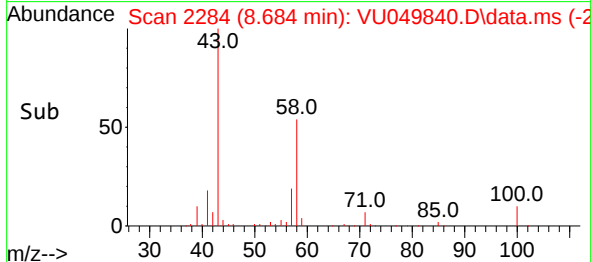
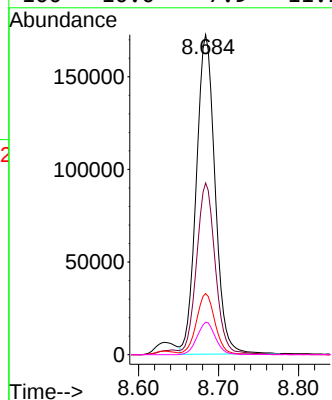
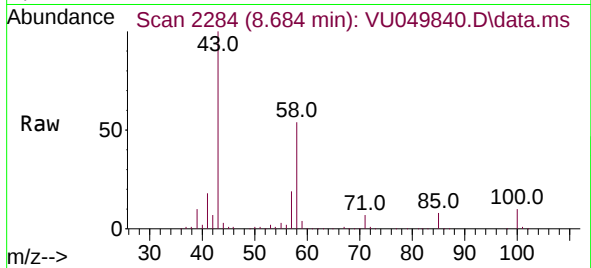




#48
2-Hexanone
Concen: 122.270 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

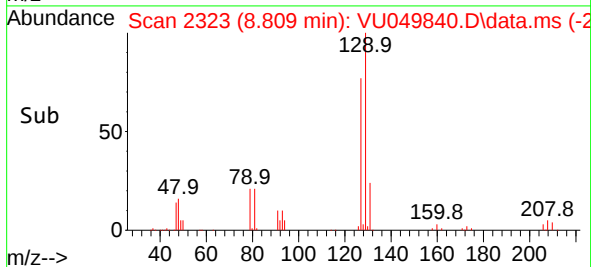
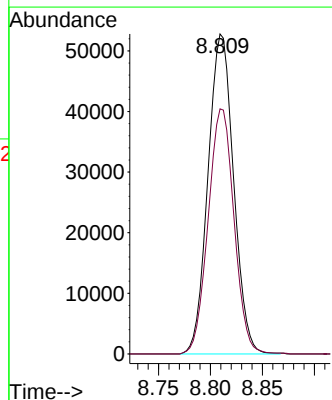
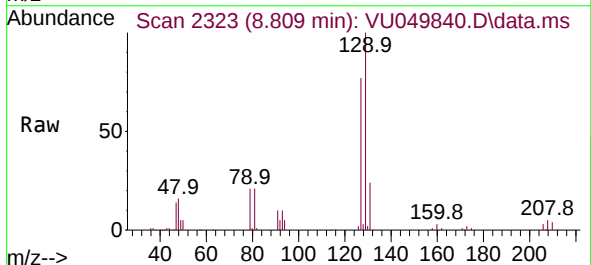
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

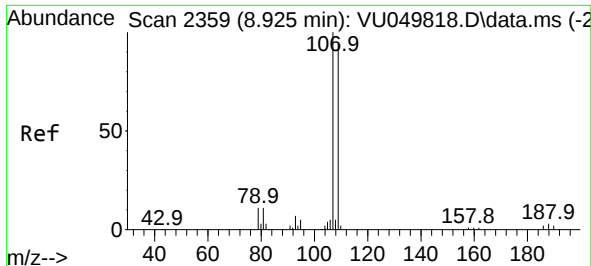
Tgt Ion:	43	Resp:	281346
Ion	Ratio	Lower	Upper
43	100		
58	53.5	42.6	64.0
57	18.5	15.0	22.6
100	10.0	7.9	11.9



#49
Dibromochloromethane
Concen: 57.928 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion:	129	Resp:	90454
Ion	Ratio	Lower	Upper
129	100		
127	76.6	56.9	105.7

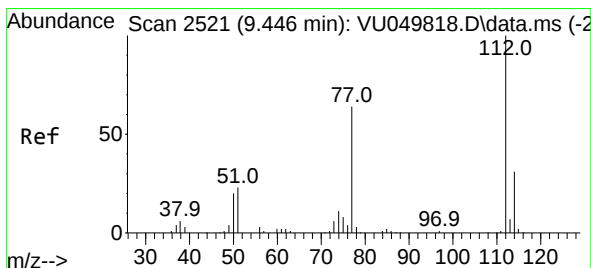
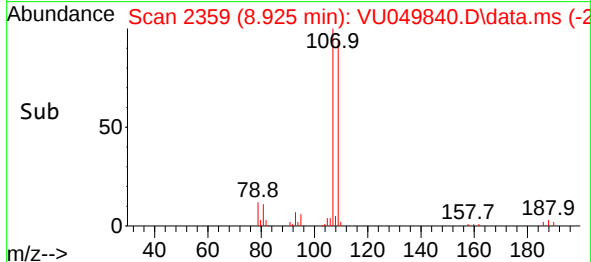
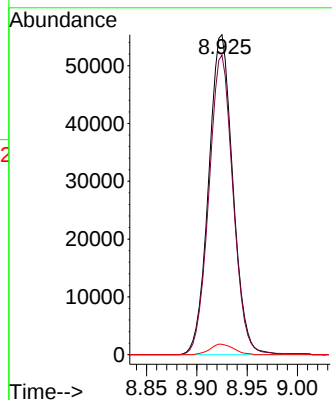
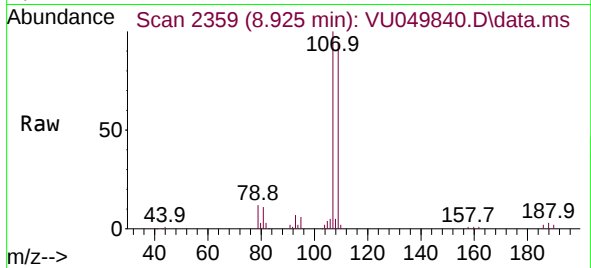




#50
1,2-Dibromoethane
Concen: 60.095 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

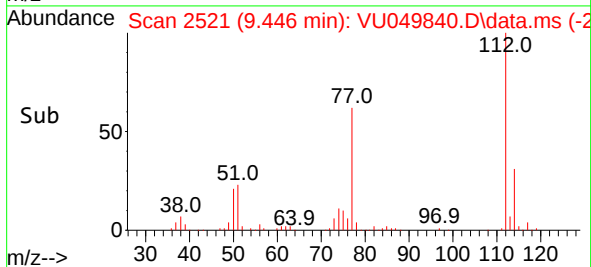
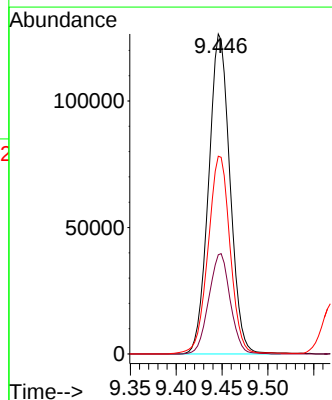
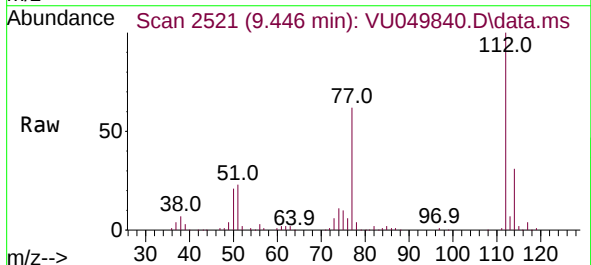
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

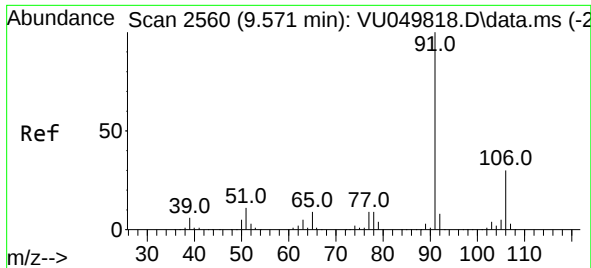
Tgt Ion:107 Resp: 92679
Ion Ratio Lower Upper
107 100
109 93.6 65.7 121.9
188 3.3 2.7 4.1



#51
Chlorobenzene
Concen: 53.185 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion:112 Resp: 205412
Ion Ratio Lower Upper
112 100
114 31.0 22.1 41.1
77 61.8 51.2 76.8

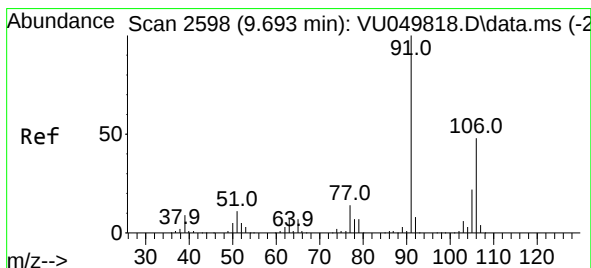
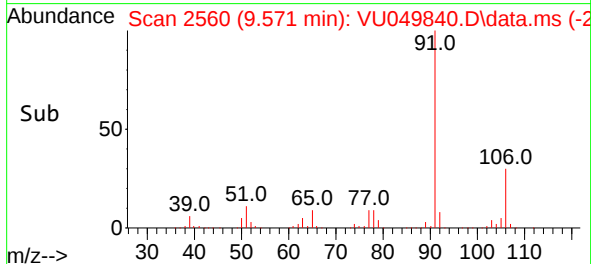
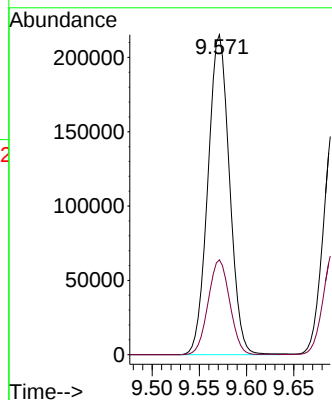
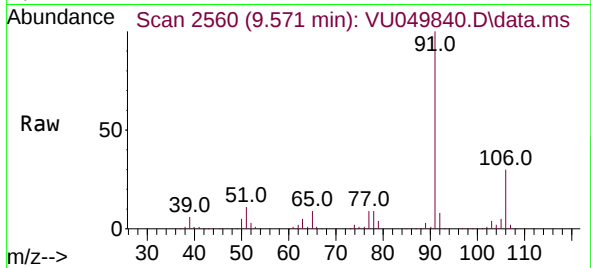




#52
Ethylbenzene
Concen: 50.826 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

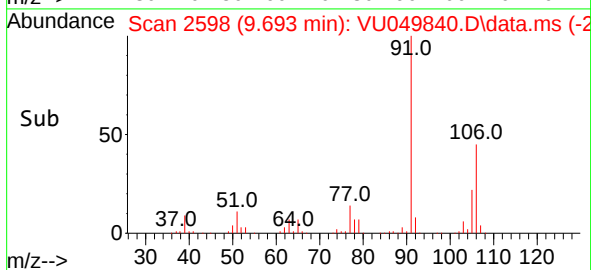
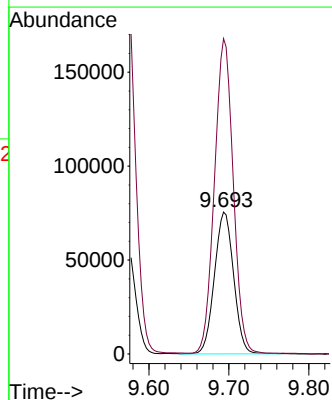
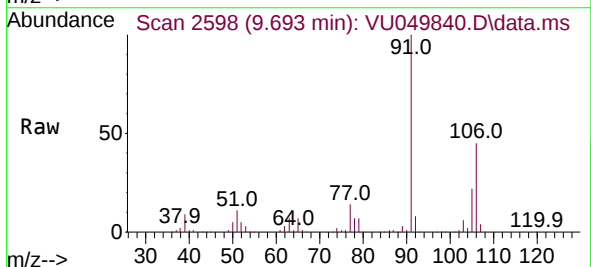
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

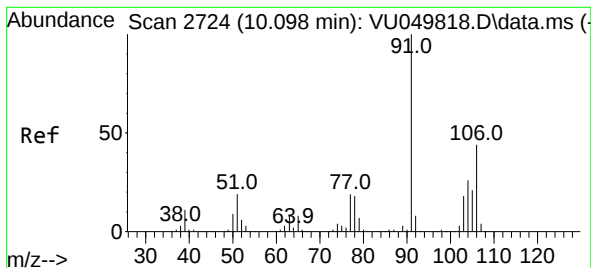
Tgt Ion: 91 Resp: 342066
Ion Ratio Lower Upper
91 100
106 29.7 21.0 39.0



#53
m,p-Xylene
Concen: 51.289 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion: 106 Resp: 125517
Ion Ratio Lower Upper
106 100
91 222.1 151.7 281.7





#54

o-Xylene

Concen: 53.381 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

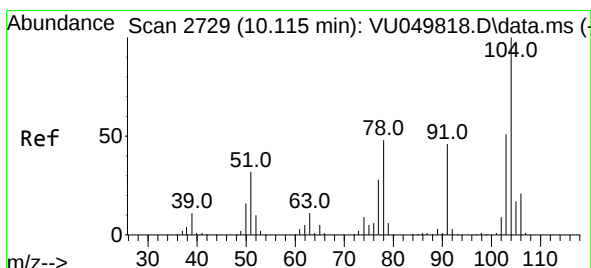
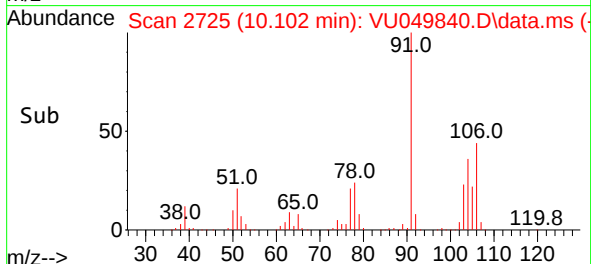
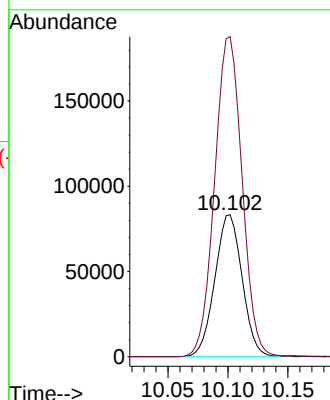
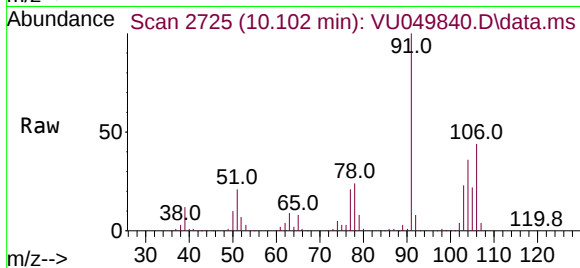
VSTD050174

Tgt Ion:106 Resp: 131539

Ion Ratio Lower Upper

106 100

91 225.5 156.9 291.5



#55

Styrene

Concen: 55.259 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049840.D

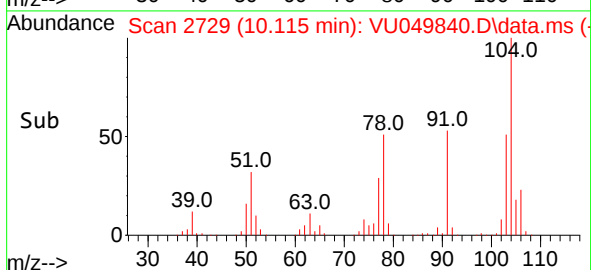
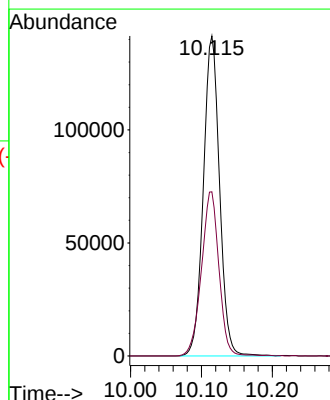
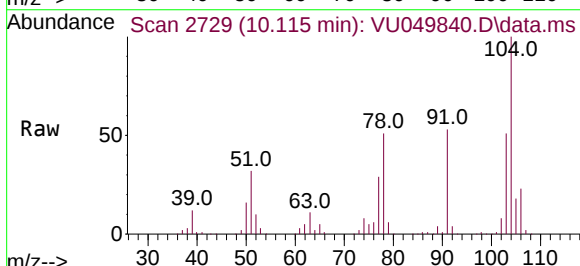
Acq: 21 Jul 2022 19:46

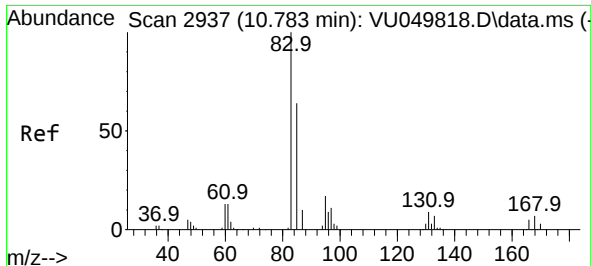
Tgt Ion:104 Resp: 224717

Ion Ratio Lower Upper

104 100

78 51.3 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 58.072 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050174

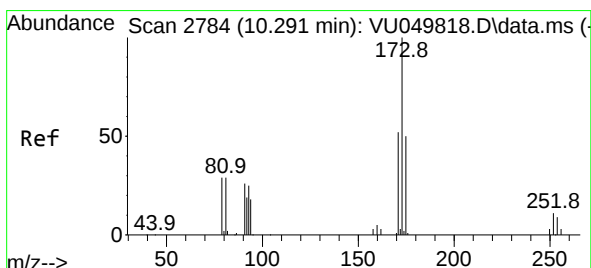
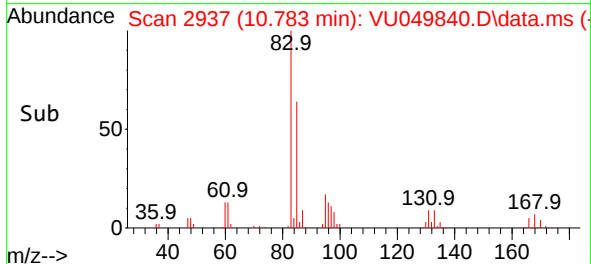
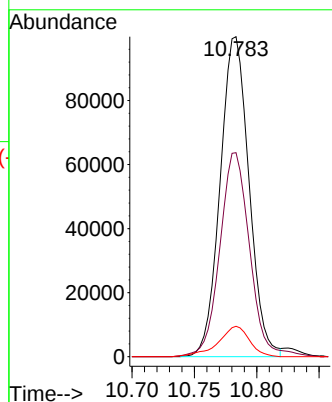
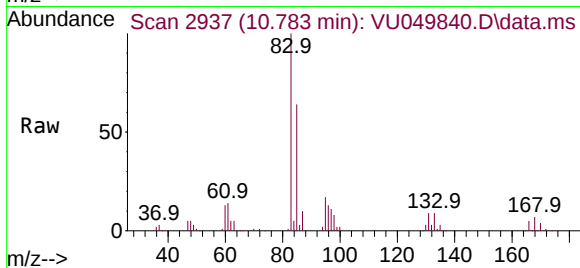
Tgt Ion: 83 Resp: 161388

Ion Ratio Lower Upper

83 100

85 63.8 45.0 83.6

131 9.5 7.0 10.6



#59

Bromoform

Concen: 57.495 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

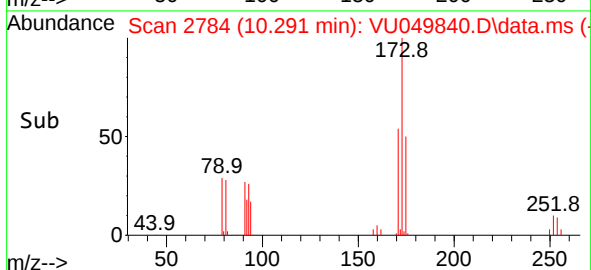
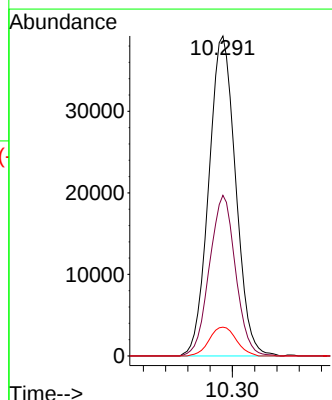
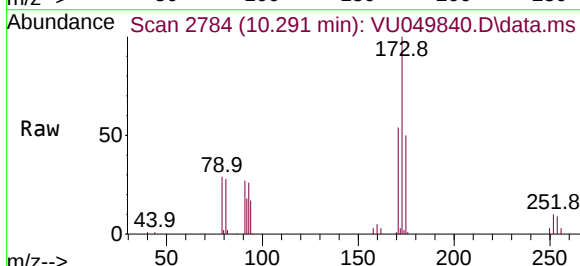
Tgt Ion: 173 Resp: 65519

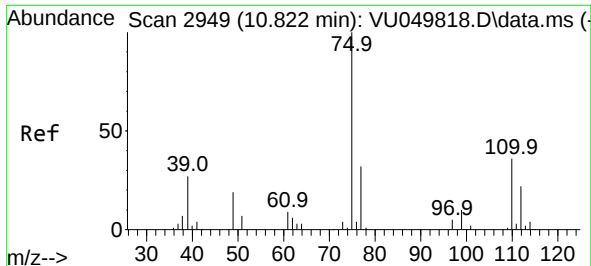
Ion Ratio Lower Upper

173 100

175 48.8 38.6 58.0

254 9.1 7.4 11.0

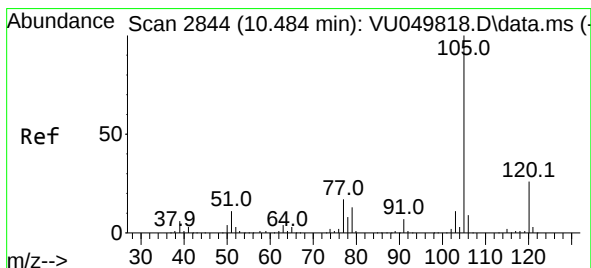
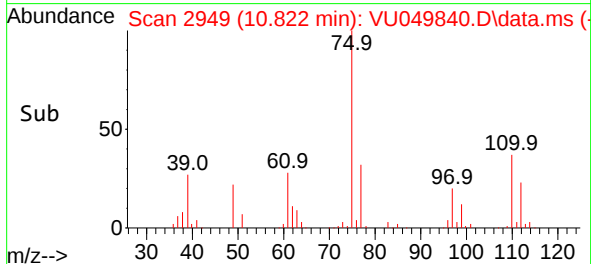
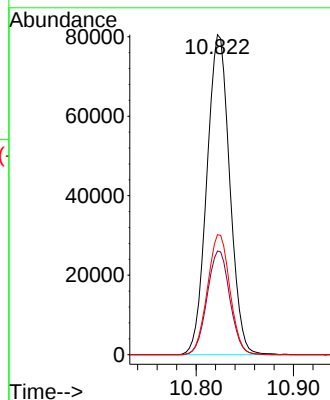
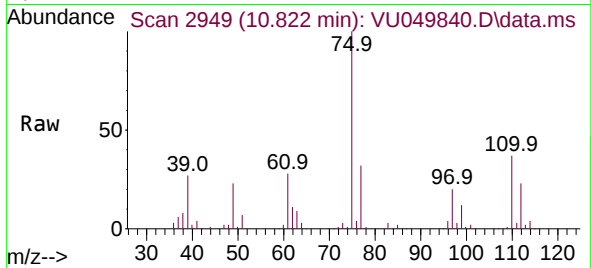




#60
1,2,3-Trichloropropane
Concen: 58.067 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

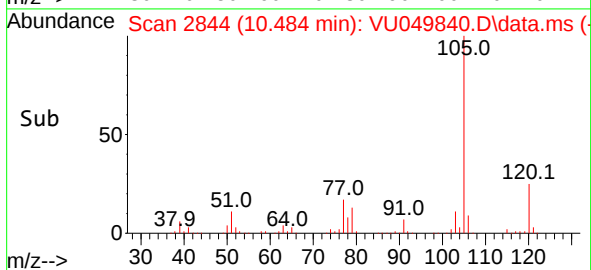
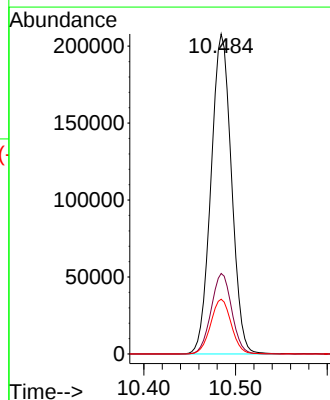
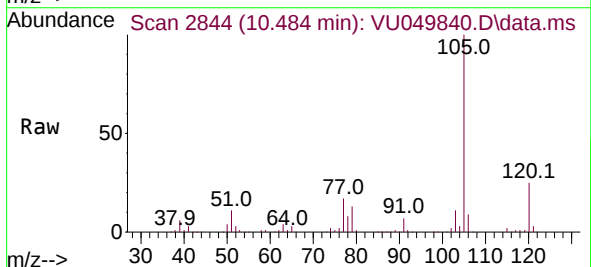
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

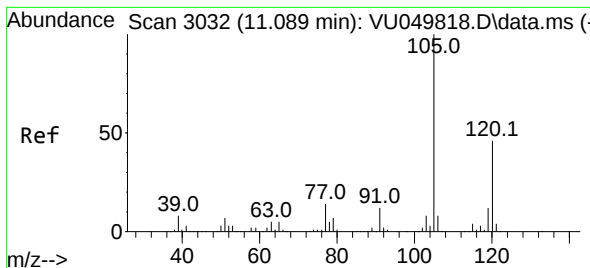
Tgt Ion: 75 Resp: 131409
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
110 36.8 28.9 43.3



#61
Isopropylbenzene
Concen: 50.817 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion: 105 Resp: 322393
Ion Ratio Lower Upper
105 100
120 25.3 19.9 29.9
77 17.2 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 51.857 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

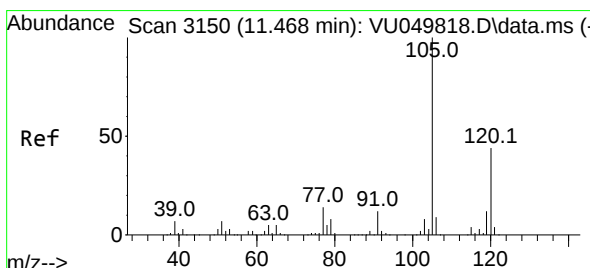
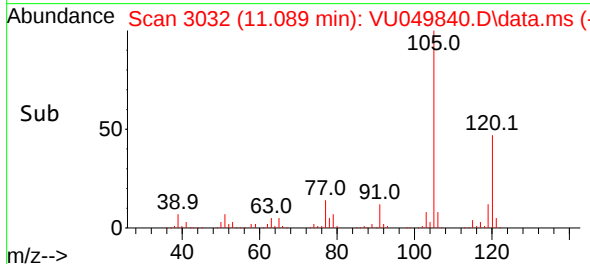
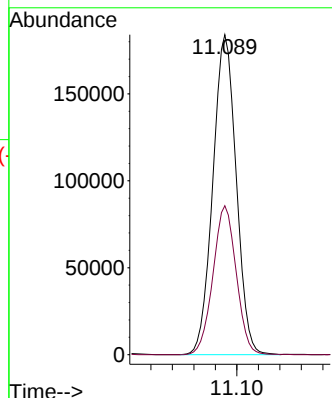
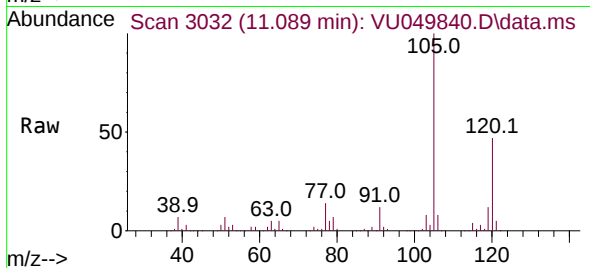
VSTD050174

Tgt Ion:105 Resp: 277499

Ion Ratio Lower Upper

105 100

120 46.4 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 51.168 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049840.D

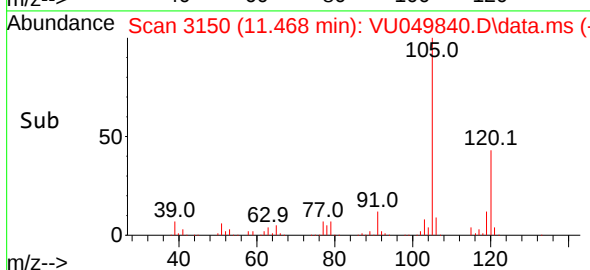
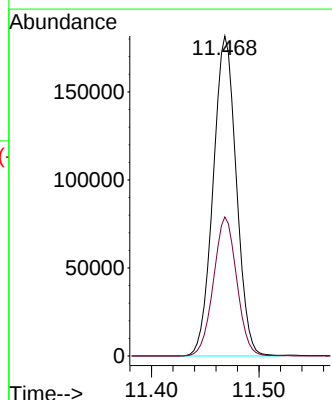
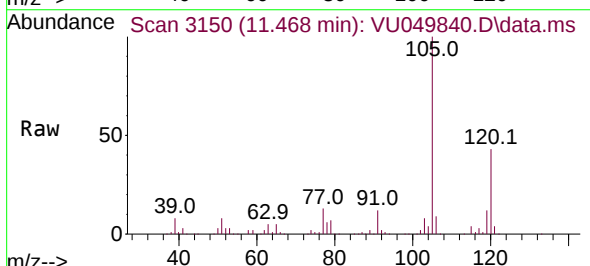
Acq: 21 Jul 2022 19:46

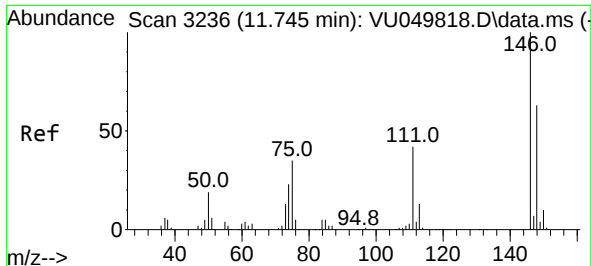
Tgt Ion:105 Resp: 272024

Ion Ratio Lower Upper

105 100

120 43.5 33.9 50.9

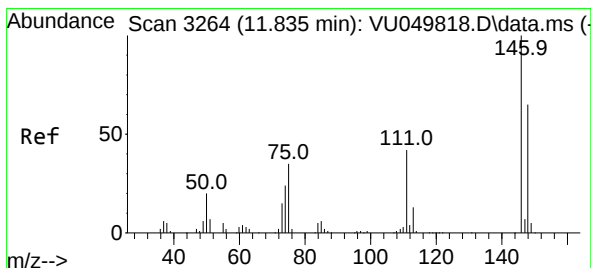
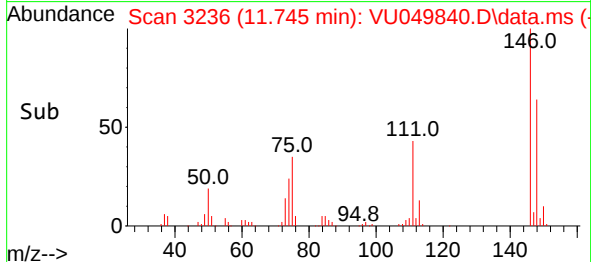
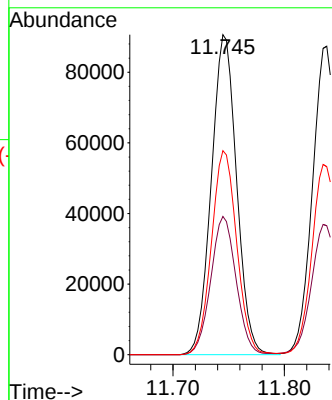
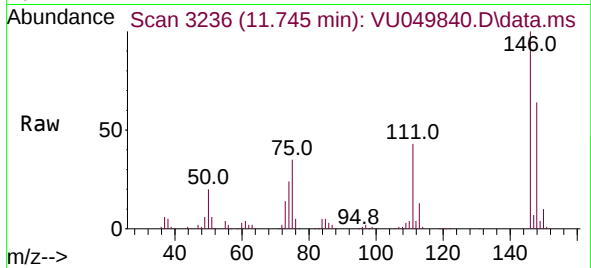




#64
1,3-Dichlorobenzene
Concen: 51.571 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

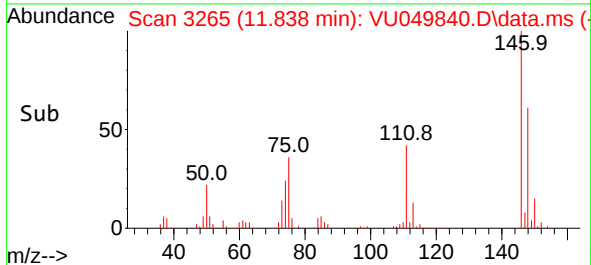
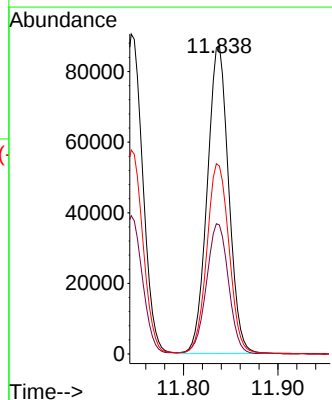
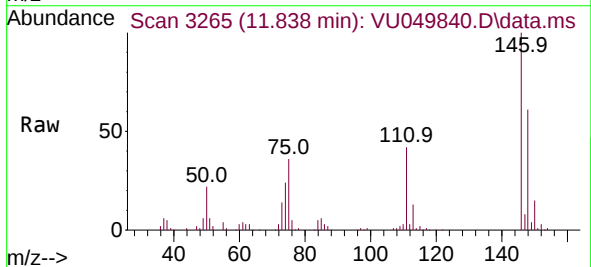
Instrument :
MSVOA_U
ClientSampleId :
VSTD050174

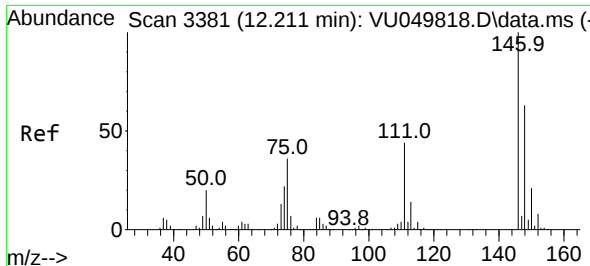
Tgt Ion:146 Resp: 142821
Ion Ratio Lower Upper
146 100
111 43.2 30.0 55.6
148 63.7 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 49.375 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU049840.D
Acq: 21 Jul 2022 19:46

Tgt Ion:146 Resp: 137357
Ion Ratio Lower Upper
146 100
111 41.8 29.1 54.1
148 60.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 52.862 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050174

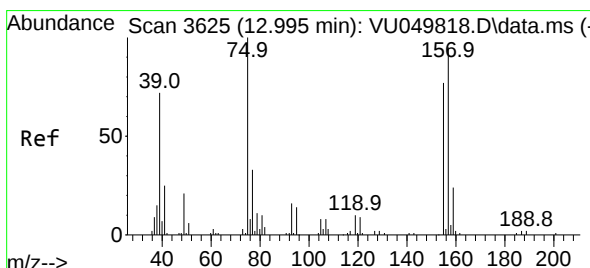
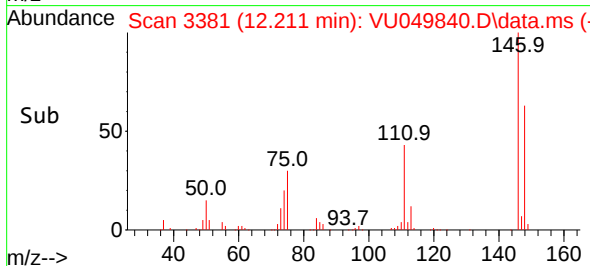
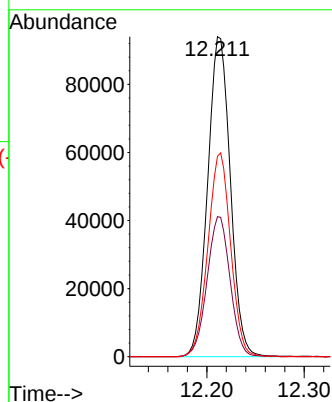
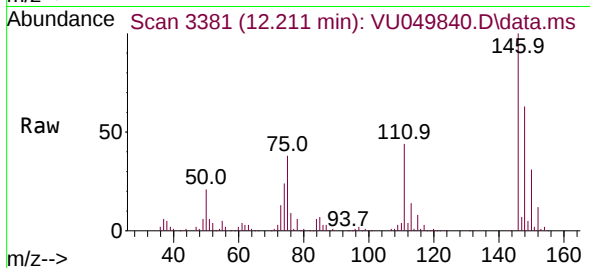
Tgt Ion:146 Resp: 152228

Ion Ratio Lower Upper

146 100

111 43.7 35.8 53.8

148 62.6 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 58.046 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

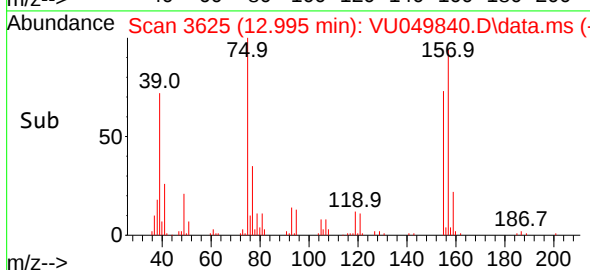
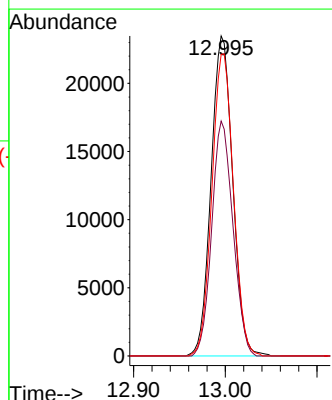
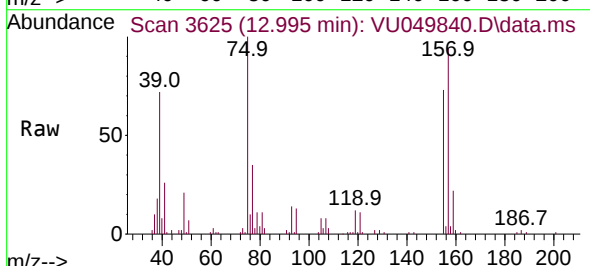
Tgt Ion: 75 Resp: 38491

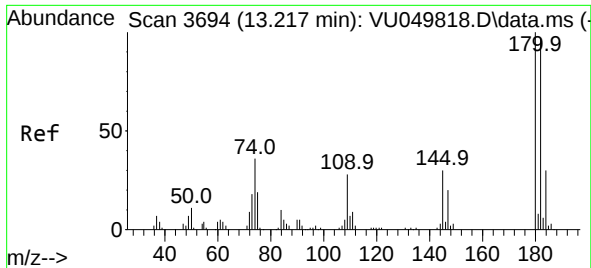
Ion Ratio Lower Upper

75 100

155 73.4 57.7 86.5

157 98.4 75.6 113.4

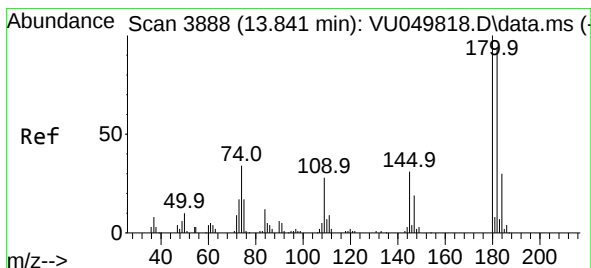
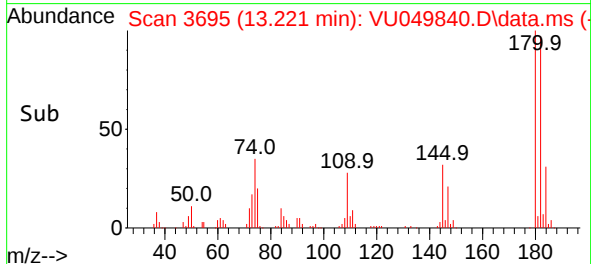
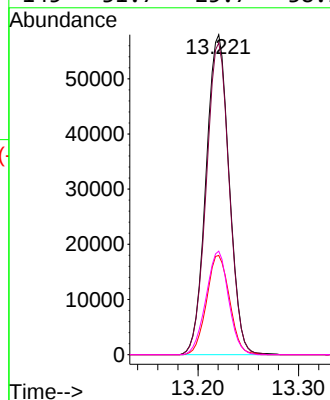
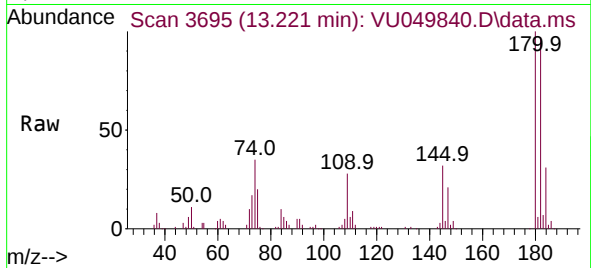




#69
 1,3,5-Trichlorobenzene
 Concen: 47.733 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU049840.D
 Acq: 21 Jul 2022 19:46

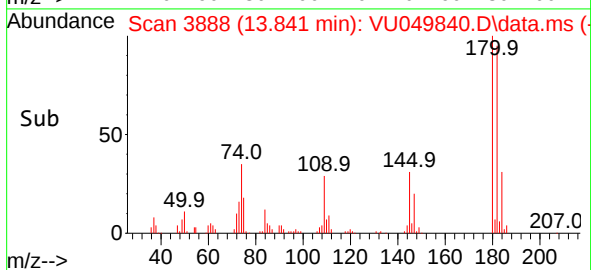
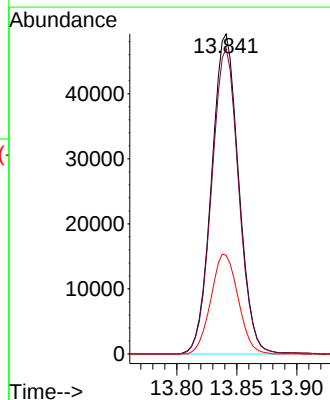
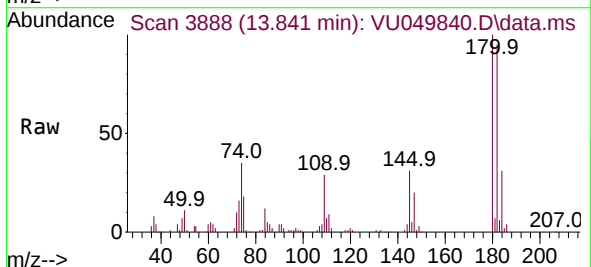
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050174

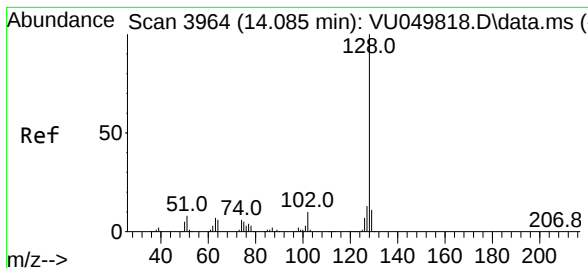
Tgt Ion:	180	Resp:	92631
Ion Ratio	Lower	Upper	
180	100		
182	96.4	76.0	114.0
184	30.8	24.0	36.0
145	31.7	25.7	38.5



#70
 1,2,4-trichlorobenzene
 Concen: 43.338 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU049840.D
 Acq: 21 Jul 2022 19:46

Tgt Ion:	180	Resp:	77178
Ion Ratio	Lower	Upper	
180	100		
182	95.4	74.8	112.2
145	31.3	24.7	37.1





#71

Naphthalene

Concen: 47.560 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD050174

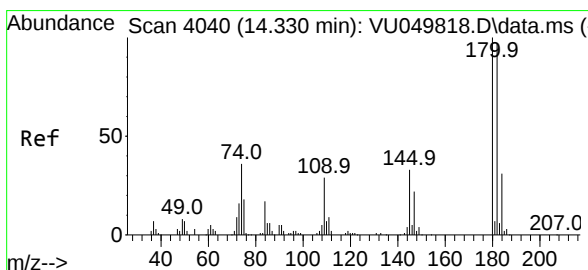
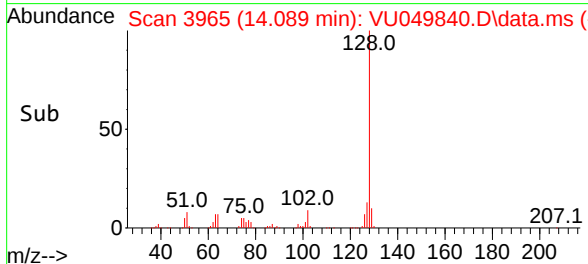
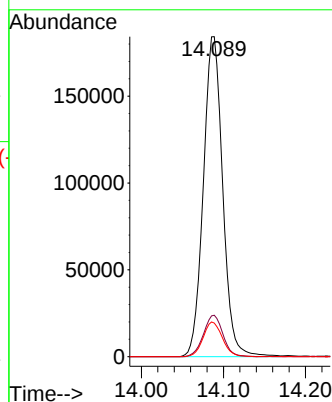
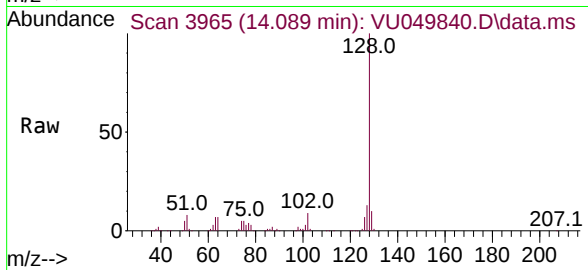
Tgt Ion:128 Resp: 302780

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 46.975 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU049840.D

Acq: 21 Jul 2022 19:46

Tgt Ion:180 Resp: 86655

Ion Ratio Lower Upper

180 100

182 98.2 76.6 115.0

145 34.8 27.1 40.7

