

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072722\
 Data File : VU049950.D
 Acq On : 27 Jul 2022 15:01
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005134

Quant Time: Jul 28 03:27:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 28 03:22:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.263	114	211542	5.000	ug/L	0.01
28) Chlorobenzene-d5	9.420	117	205110	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	100063	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	100301	5.522	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.400%
7) Chloroethane-d5	1.912	69	73793	5.656	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.200%
11) 1,1-Dichloroethene-d2	2.568	65	37945	6.062	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	121.200%
20) 2-Butanone-d5	4.668	46	209664	51.856	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.720%
24) Chloroform-d	5.067	84	155794	5.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.723	65	75309	4.973	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.742	84	311424	5.138	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
36) 1,2-Dichloropropane-d6	6.706	67	101773	5.126	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.906	98	289404	5.372	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.400%
43) trans-1,3-Dichloroprop...	8.185	79	37933	5.451	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.000%
46) 2-Hexanone-d5	8.645	63	143835	55.212	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.420%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	88524	5.306	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	93903	5.059	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	90135	5.521	ug/L	98
3) Chloromethane	1.520	50	95267	4.924	ug/L	100
5) Vinyl chloride	1.601	62	98271	5.405	ug/L	98
6) Bromomethane	1.858	94	52931	5.259	ug/L	96
8) Chloroethane	1.932	64	55768	5.409	ug/L	96
9) Trichlorofluoromethane	2.138	101	118777	5.546	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	68532	5.436	ug/L	98
12) 1,1-Dichloroethene	2.581	96	63555	5.444	ug/L	89
13) Acetone	2.655	43	93539	32.914	ug/L	96
14) Carbon disulfide	2.793	76	177197	4.996	ug/L	99
15) Methyl Acetate	2.967	43	29316	4.972	ug/L	96
16) Methylene chloride	3.047	84	87792	4.890	ug/L	94
17) Methyl tert-butyl Ether	3.379	73	185506	5.684	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	65028	5.068	ug/L	95
19) 1,1-Dichloroethane	3.864	63	134756	5.119	ug/L	96
21) 2-Butanone	4.748	43	201247	49.167	ug/L	90
22) cis-1,2-Dichloroethene	4.662	96	82028	5.348	ug/L	99
23) Bromochloromethane	4.973	128	36383	5.180	ug/L	99
25) Chloroform	5.089	83	142228	4.821	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072722\
 Data File : VU049950.D
 Acq On : 27 Jul 2022 15:01
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005134

Quant Time: Jul 28 03:27:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 28 03:22:08 2022
 Response via : Initial Calibration

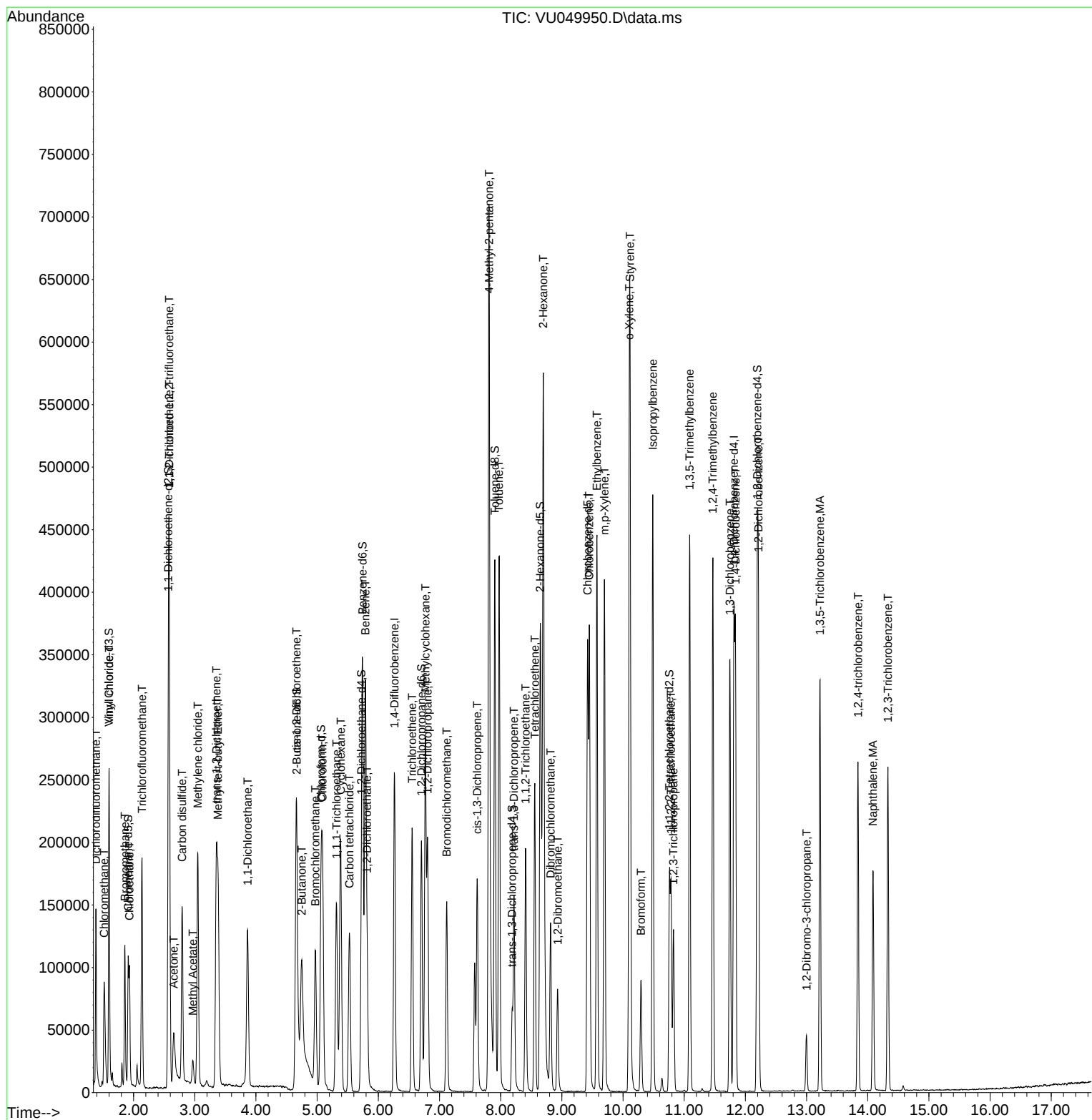
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.816	62	80539	4.892	ug/L	99
29) 1,1,1-Trichloroethane	5.317	97	112456	5.163	ug/L	100
30) Cyclohexane	5.385	56	96904	5.271	ug/L	99
31) Carbon tetrachloride	5.530	117	92278	5.216	ug/L	100
33) Benzene	5.790	78	308972	5.161	ug/L	100
34) Trichloroethene	6.552	95	75026	5.156	ug/L	99
35) Methylcyclohexane	6.771	83	101472	5.287	ug/L	96
37) 1,2-Dichloropropane	6.806	63	83083	5.036	ug/L	100
38) Bromodichloromethane	7.118	83	100808	5.050	ug/L	98
39) cis-1,3-Dichloropropene	7.616	75	108087	5.063	ug/L	99
40) 4-Methyl-2-pentanone	7.809	43	511713	53.681	ug/L	100
42) Toluene	7.973	91	324158	5.325	ug/L	98
44) trans-1,3-Dichloropropene	8.218	75	93621	5.222	ug/L	97
45) 1,1,2-Trichloroethane	8.407	97	63467	5.149	ug/L	96
47) Tetrachloroethene	8.558	164	56207	5.367	ug/L	98
48) 2-Hexanone	8.697	43	399673	55.001	ug/L	99
49) Dibromochloromethane	8.816	129	70833	5.251	ug/L	98
50) 1,2-Dibromoethane	8.931	107	57746	5.275	ug/L	100
51) Chlorobenzene	9.449	112	199292	5.158	ug/L	99
52) Ethylbenzene	9.575	91	313799	5.262	ug/L	99
53) m,p-Xylene	9.697	106	118891	5.236	ug/L	98
54) o-Xylene	10.102	106	116087	5.273	ug/L	91
55) Styrene	10.115	104	204273	5.448	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	84074	5.240	ug/L	96
59) Bromoform	10.295	173	41562	5.168	ug/L	98
60) Isopropylbenzene	10.488	105	304997	5.160	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	57908	4.983	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	242287	5.045	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	237799	5.109	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	146731	5.184	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	141401	5.049	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	141358	5.027	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	11921	5.193	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.221	180	103741	5.084	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	79475	4.882	ug/L	96
71) Naphthalene	14.086	128	147427	4.567	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	81230	5.028	ug/L	98

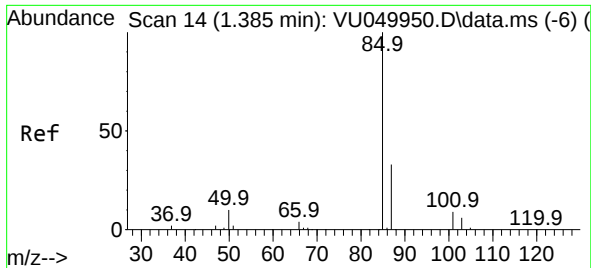
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072722\
Data File : VU049950.D
Acq On : 27 Jul 2022 15:01
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

Quant Time: Jul 28 03:27:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 28 03:22:08 2022
Response via : Initial Calibration

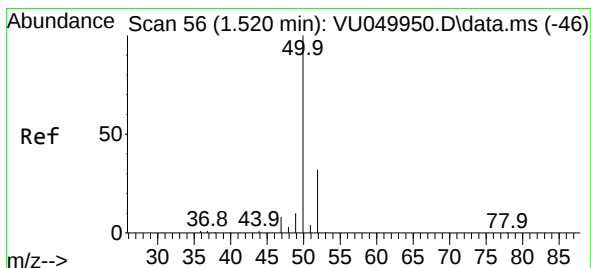
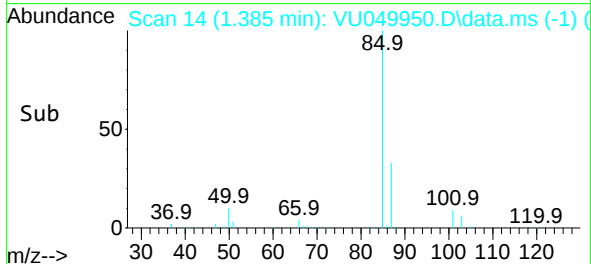
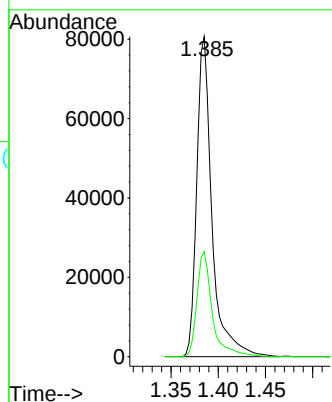
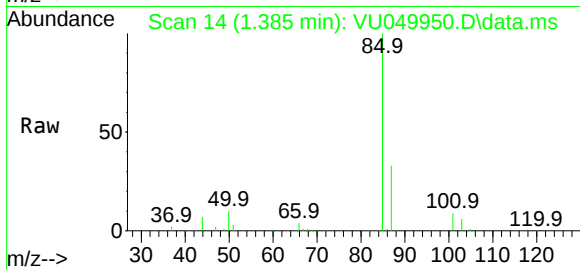




#2
Dichlorodifluoromethane
Concen: 5.521 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

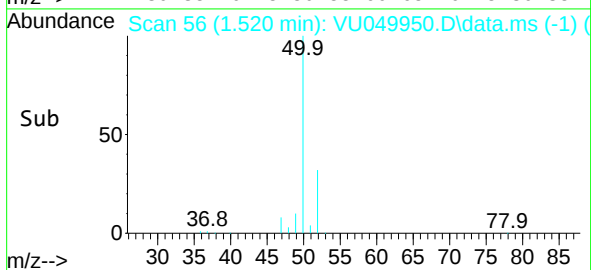
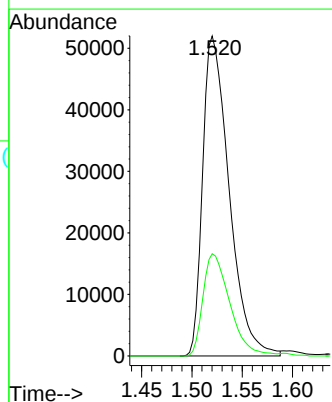
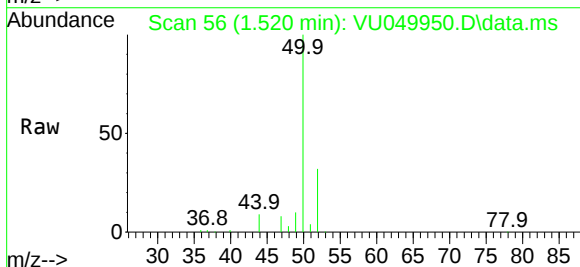
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

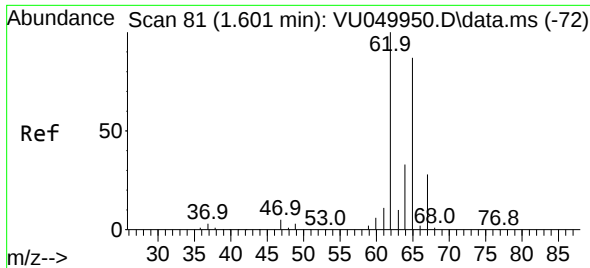
Tgt Ion: 85 Resp: 90135
Ion Ratio Lower Upper
85 100
87 33.2 25.7 38.5



#3
Chloromethane
Concen: 4.924 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion: 50 Resp: 95267
Ion Ratio Lower Upper
50 100
52 32.0 22.4 41.6

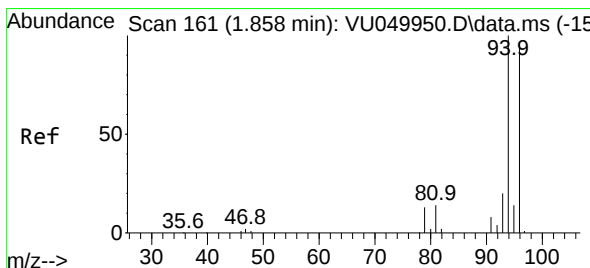
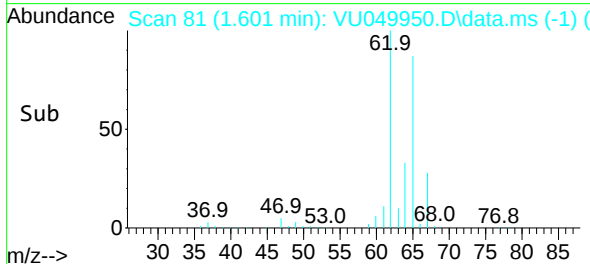
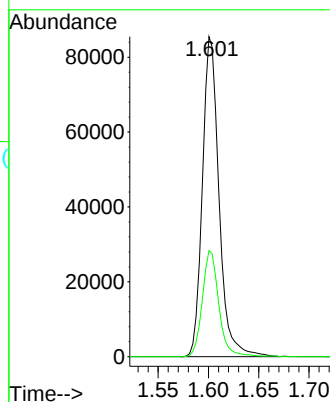
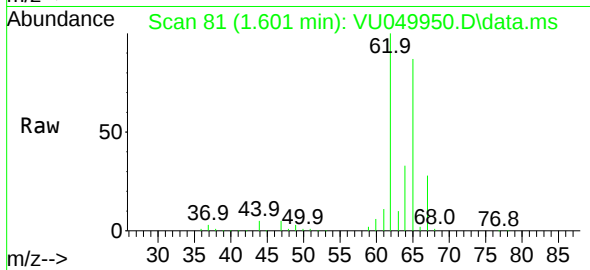




#5
 Vinyl chloride
 Concen: 5.405 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049950.D
 Acq: 27 Jul 2022 15:01

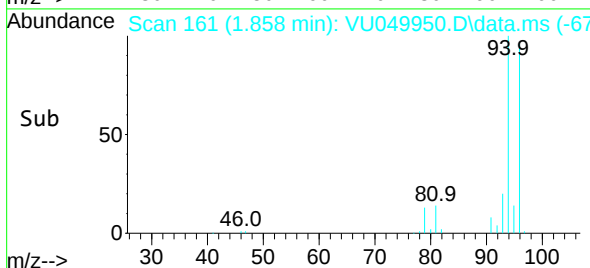
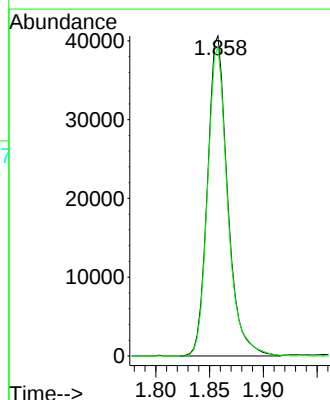
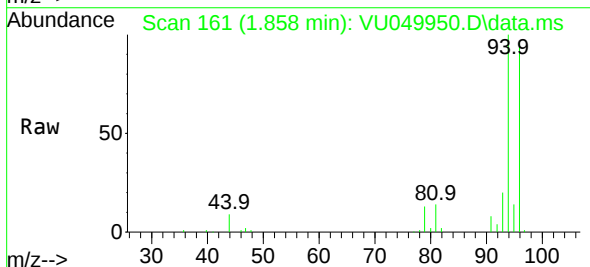
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005134

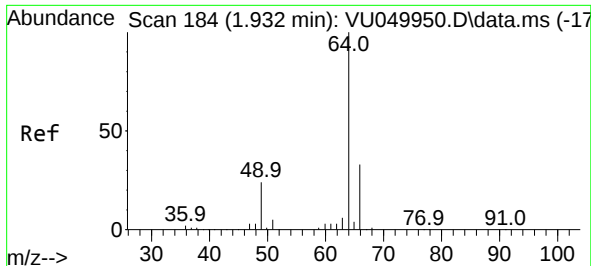
Tgt Ion: 62 Resp: 98271
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.5 41.9



#6
 Bromomethane
 Concen: 5.259 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU049950.D
 Acq: 27 Jul 2022 15:01

Tgt Ion: 94 Resp: 52931
 Ion Ratio Lower Upper
 94 100
 96 96.4 64.5 119.9

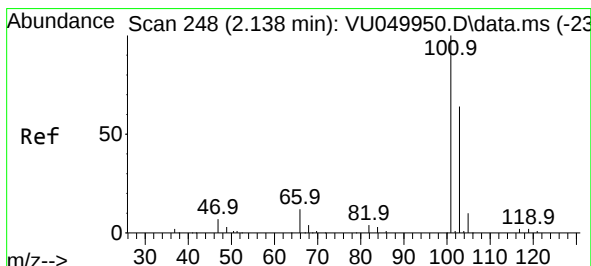
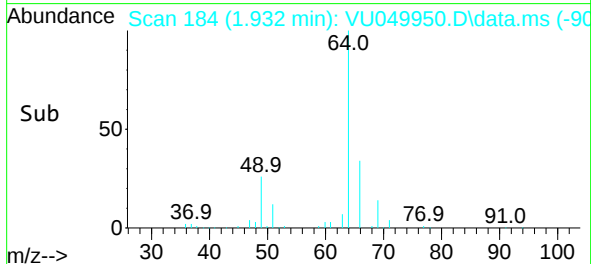
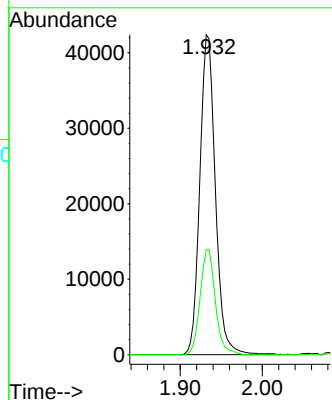
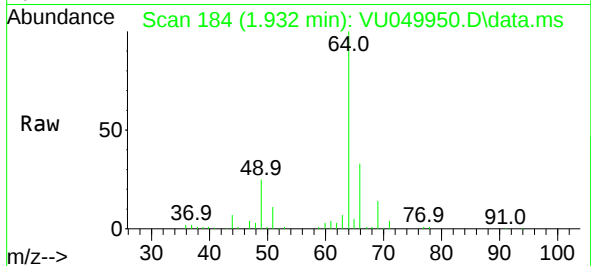




#8
Chloroethane
Concen: 5.409 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

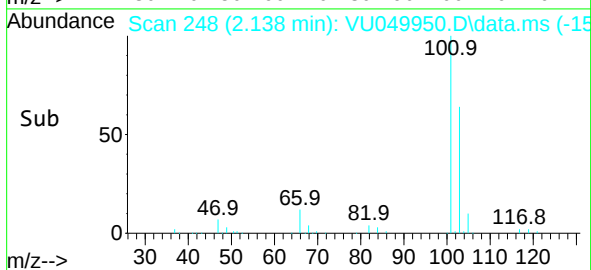
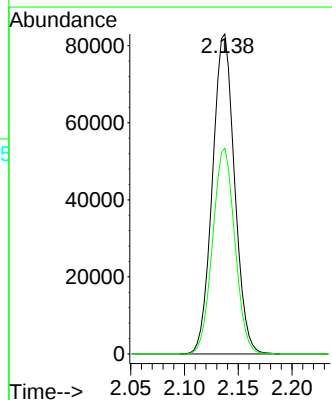
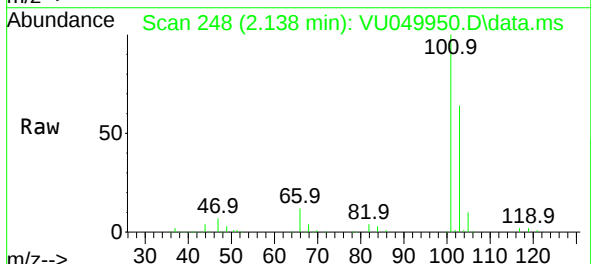
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

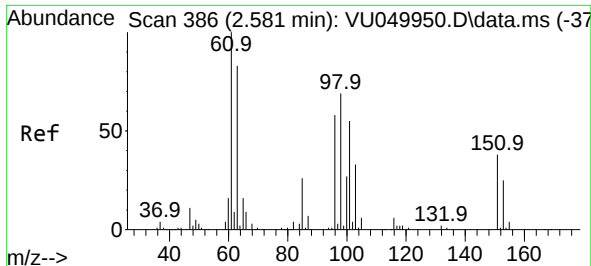
Tgt Ion: 64 Resp: 55768
Ion Ratio Lower Upper
64 100
66 32.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.546 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion:101 Resp: 118777
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.6

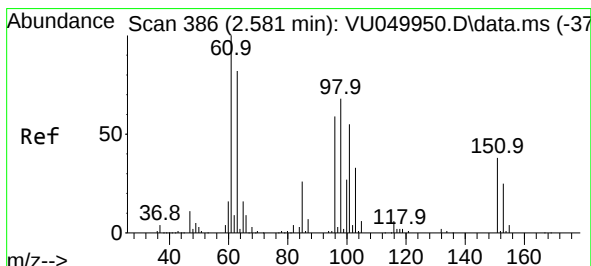
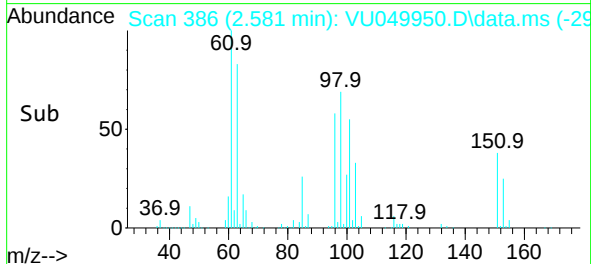
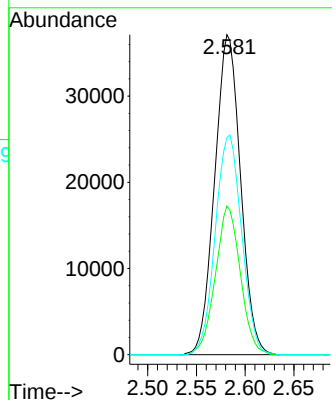
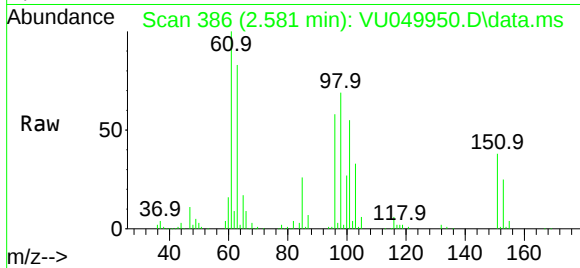




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.436 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU049950.D
 Acq: 27 Jul 2022 15:01

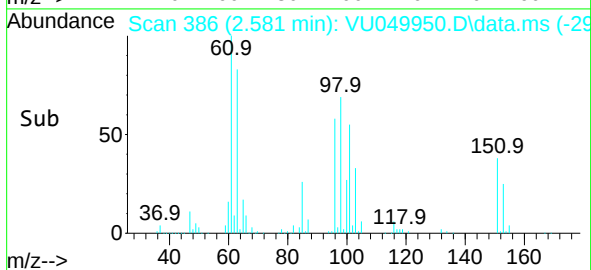
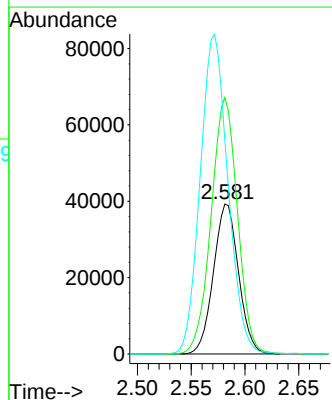
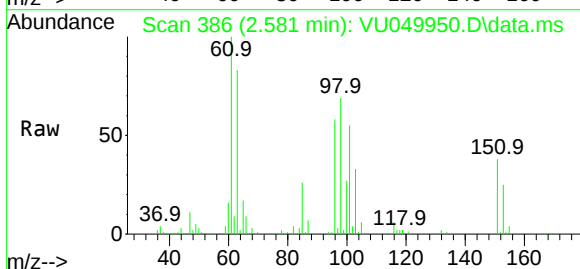
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005134

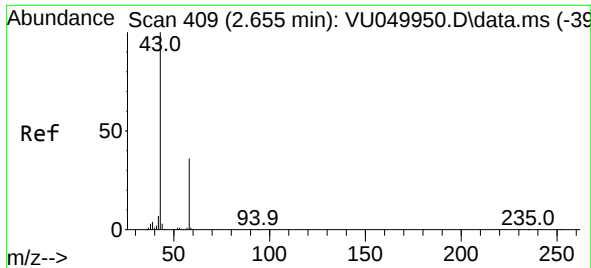
Tgt Ion:101 Resp: 68532
 Ion Ratio Lower Upper
 101 100
 85 44.8 34.1 51.1
 151 70.1 56.6 85.0



#12
 1,1-Dichloroethene
 Concen: 5.444 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU049950.D
 Acq: 27 Jul 2022 15:01

Tgt Ion: 96 Resp: 63555
 Ion Ratio Lower Upper
 96 100
 61 171.0 115.7 214.9
 63 142.5 84.8 157.4





#13

Acetone

Concen: 32.914 ug/L

RT: 2.655 min Scan# 409

Delta R.T. 0.019 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

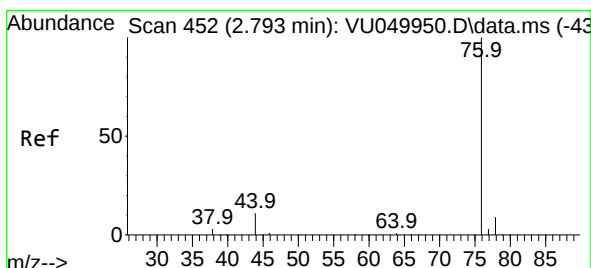
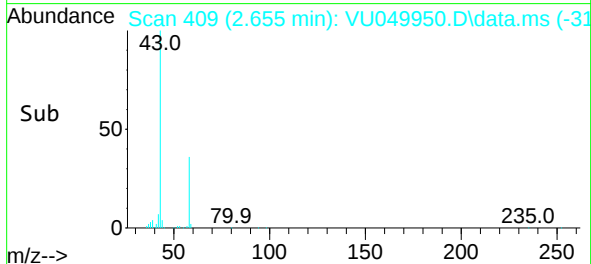
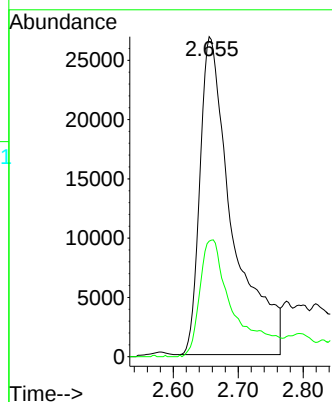
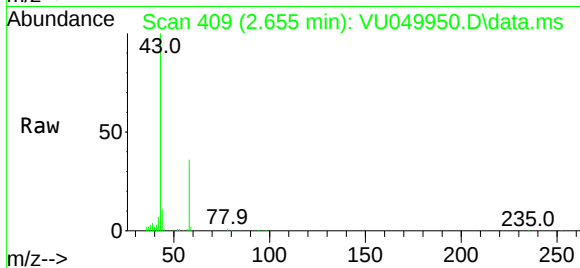
VSTD005134

Tgt Ion: 43 Resp: 93539

Ion Ratio Lower Upper

43 100

58 38.6 0.0 73.0



#14

Carbon disulfide

Concen: 4.996 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU049950.D

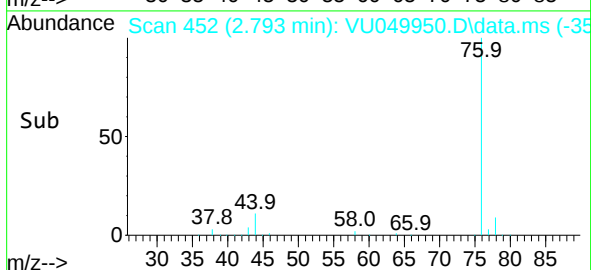
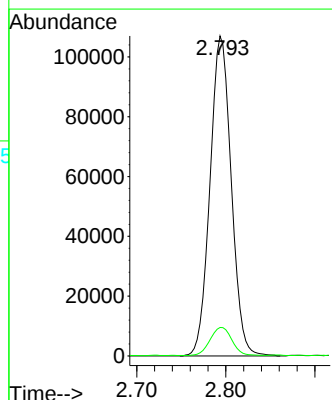
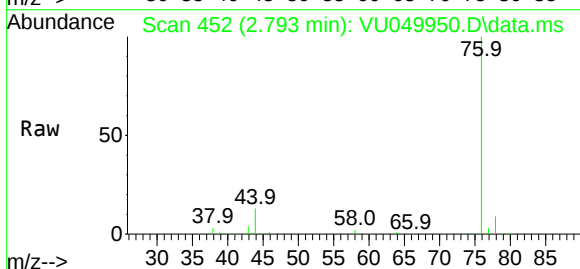
Acq: 27 Jul 2022 15:01

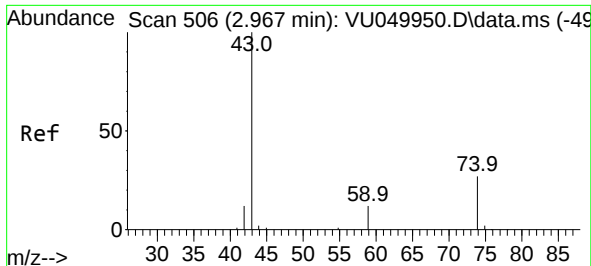
Tgt Ion: 76 Resp: 177197

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

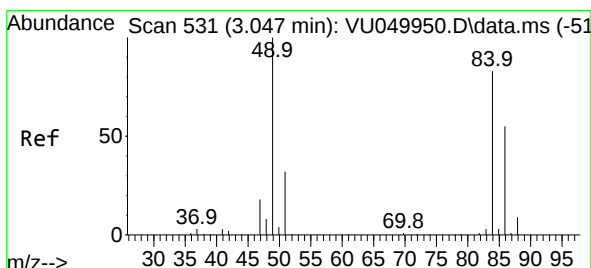
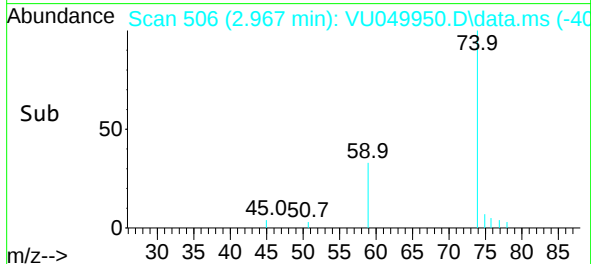
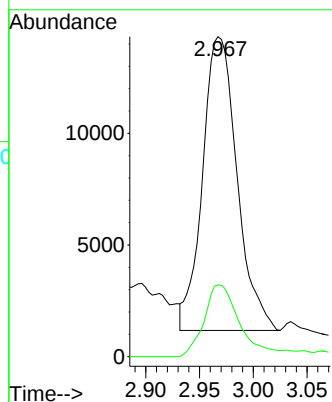
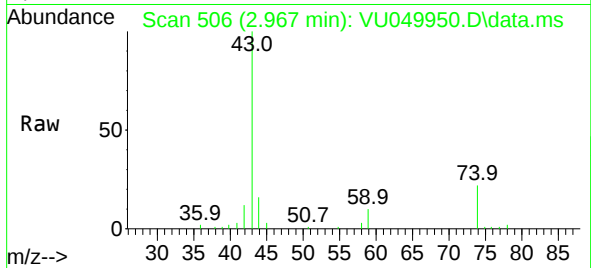




#15
Methyl Acetate
Concen: 4.972 ug/L
RT: 2.967 min Scan# 506
Delta R.T. 0.013 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

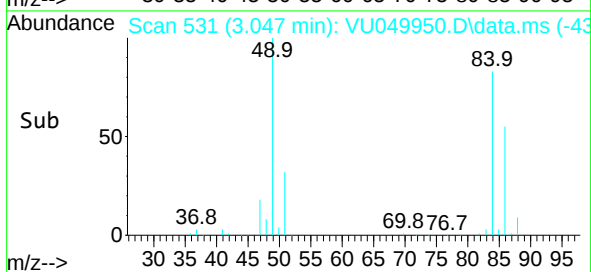
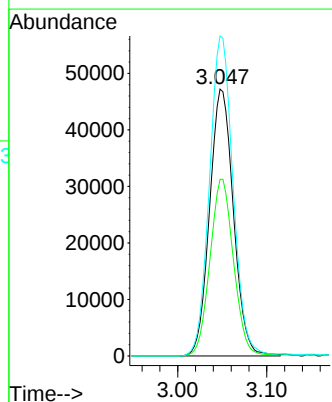
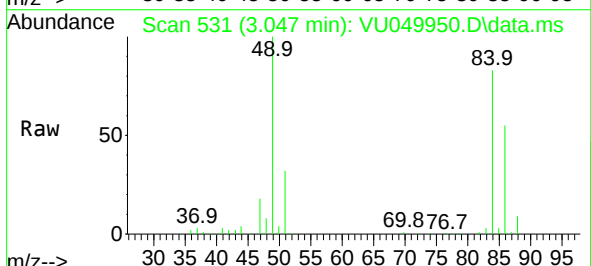
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

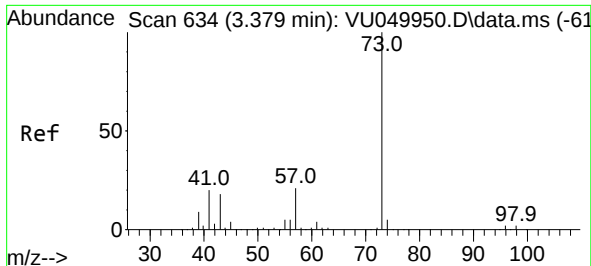
Tgt Ion: 43 Resp: 29316
Ion Ratio Lower Upper
43 100
74 25.1 21.6 32.4



#16
Methylene chloride
Concen: 4.890 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion: 84 Resp: 87792
Ion Ratio Lower Upper
84 100
86 66.2 45.2 84.0
49 119.9 77.6 144.0

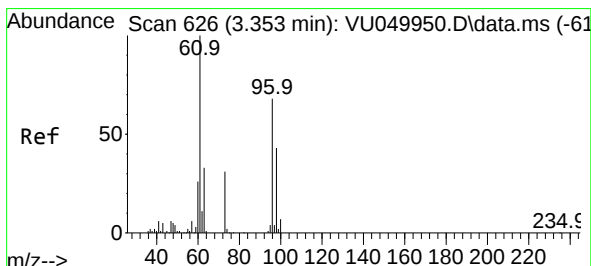
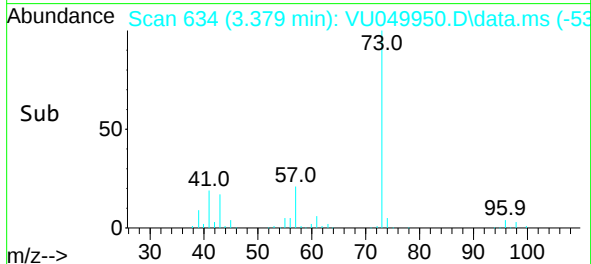
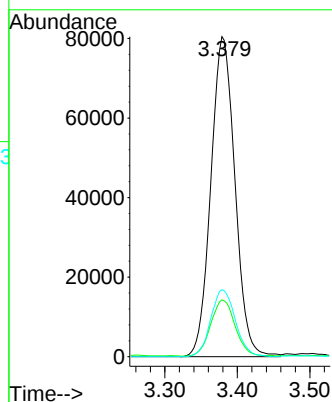
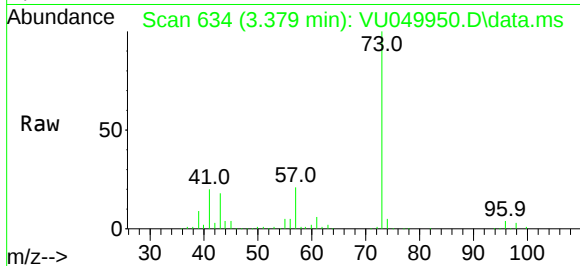




#17
Methyl tert-butyl Ether
Concen: 5.684 ug/L
RT: 3.379 min Scan# 61
Delta R.T. 0.013 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

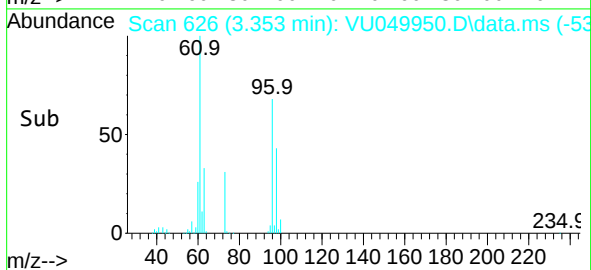
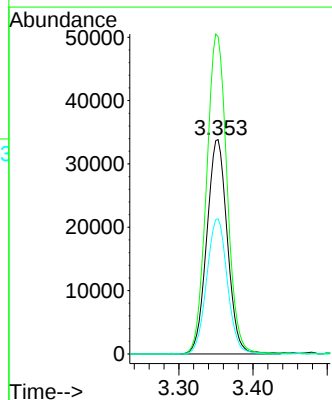
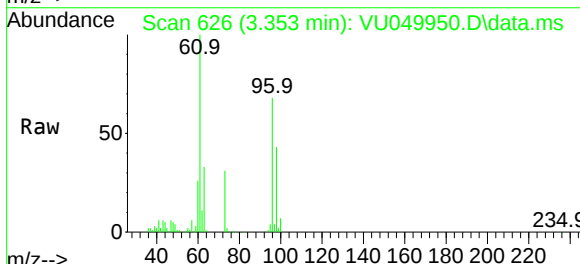
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

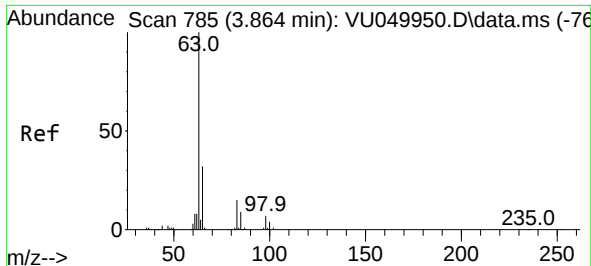
Tgt Ion: 73	Resp: 185506
Ion Ratio	Lower Upper
73 100	
43 17.8	13.8 20.6
57 21.4	17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.068 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion: 96	Resp: 65028		
Ion Ratio	Lower	Upper	
96	100		
61	148.0	98.0	182.0
98	63.1	44.5	82.7

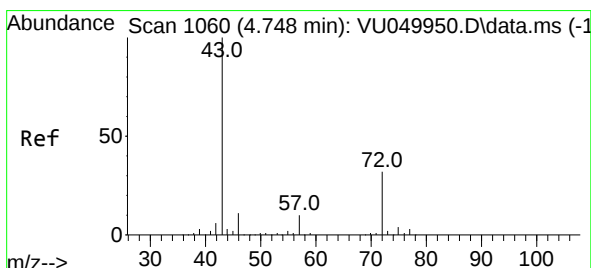
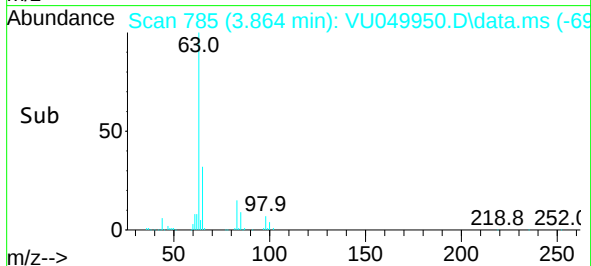
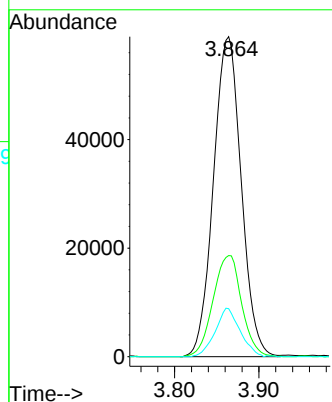
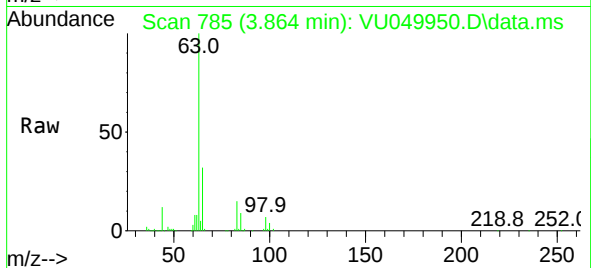




#19
1,1-Dichloroethane
Concen: 5.119 ug/L
RT: 3.864 min Scan# 719
Delta R.T. -0.006 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

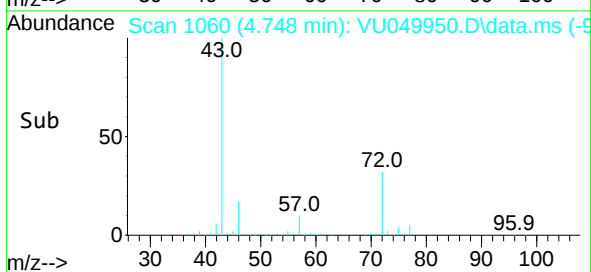
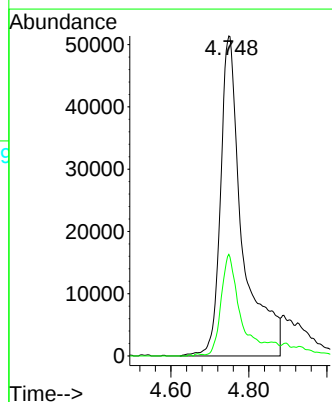
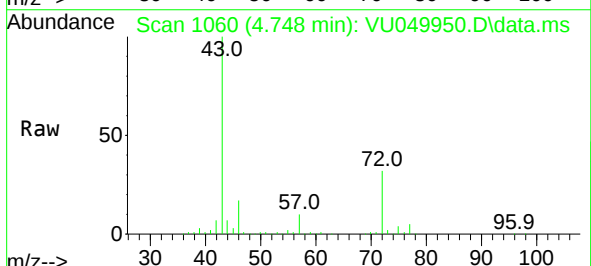
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

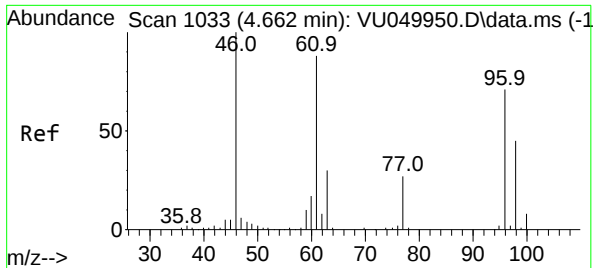
Tgt Ion: 63 Resp: 134756
Ion Ratio Lower Upper
63 100
65 31.6 23.4 43.6
83 15.0 9.4 17.4



#21
2-Butanone
Concen: 49.167 ug/L
RT: 4.748 min Scan# 1060
Delta R.T. 0.042 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion: 43 Resp: 201247
Ion Ratio Lower Upper
43 100
72 26.0 15.8 47.3

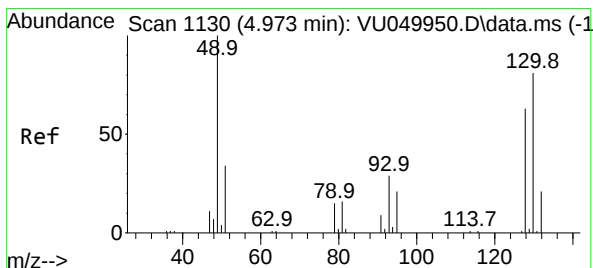
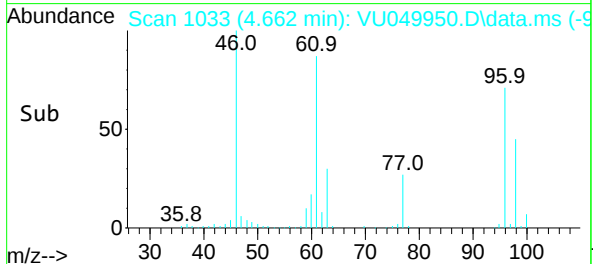
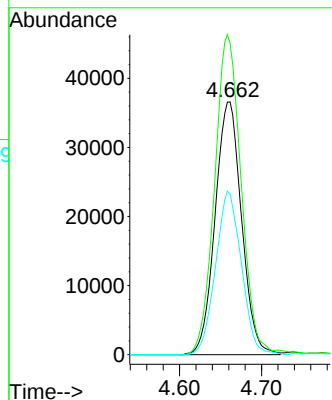
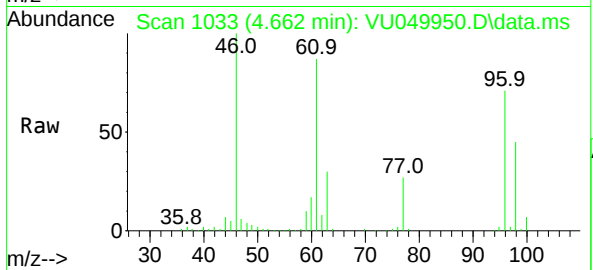




#22
cis-1,2-Dichloroethene
Concen: 5.348 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.006 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

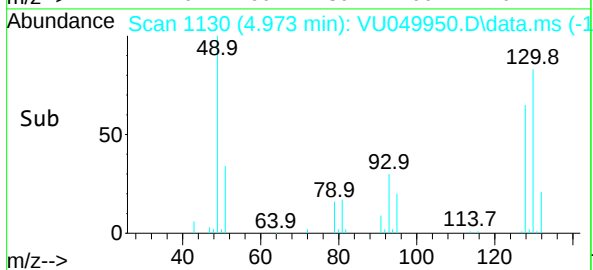
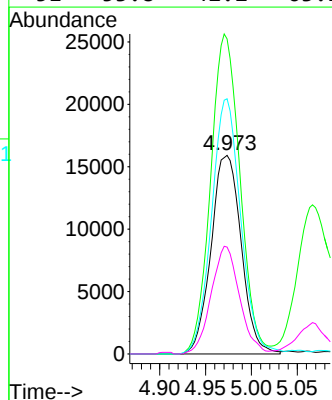
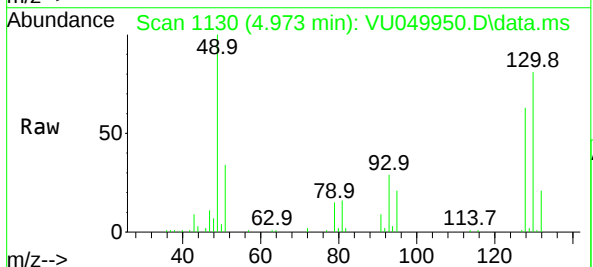
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

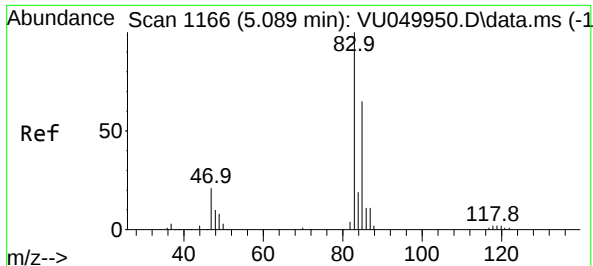
Tgt Ion:	96	Resp:	82028
Ion	Ratio	Lower	Upper
96	100		
61	123.2	87.2	161.9
98	63.5	44.7	83.1



#23
Bromochloromethane
Concen: 5.180 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion:	128	Resp:	36383
Ion	Ratio	Lower	Upper
128	100		
49	158.6	111.4	207.0
130	128.5	88.7	164.7
51	53.8	42.2	63.2





#25

Chloroform

Concen: 4.821 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

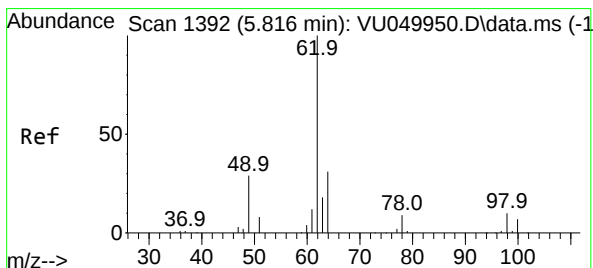
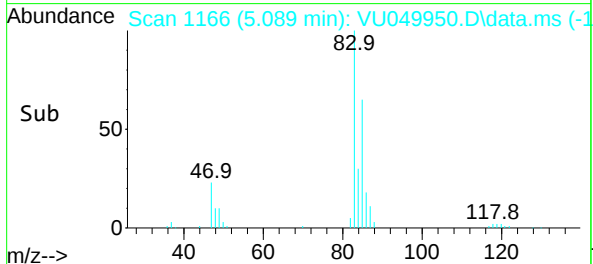
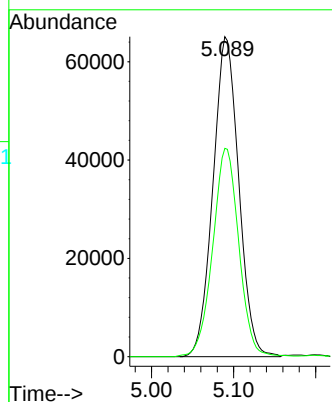
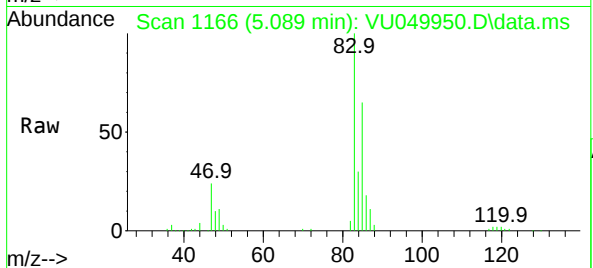
VSTD005134

Tgt Ion: 83 Resp: 142228

Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.4



#27

1,2-Dichloroethane

Concen: 4.892 ug/L

RT: 5.816 min Scan# 1392

Delta R.T. 0.023 min

Lab File: VU049950.D

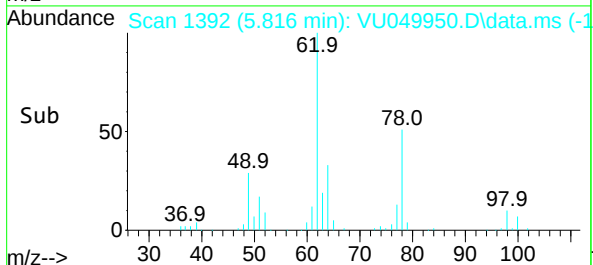
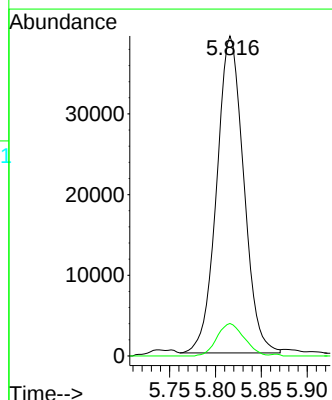
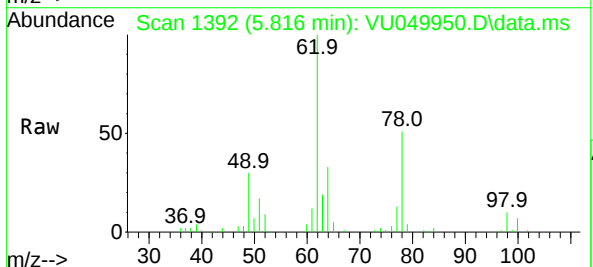
Acq: 27 Jul 2022 15:01

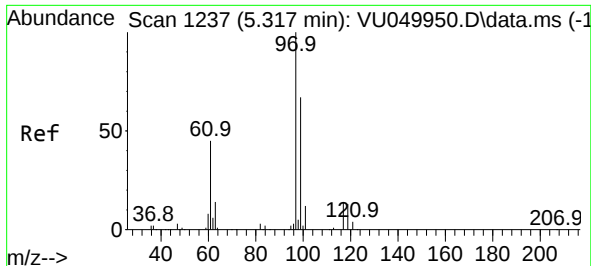
Tgt Ion: 62 Resp: 80539

Ion Ratio Lower Upper

62 100

98 10.2 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 5.163 ug/L

RT: 5.317 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005134

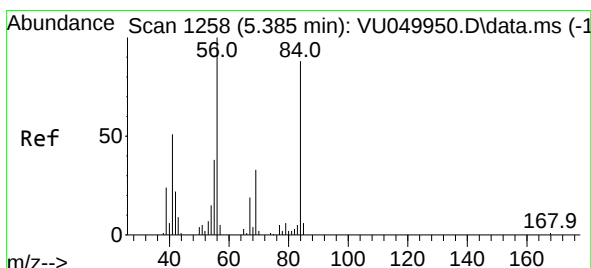
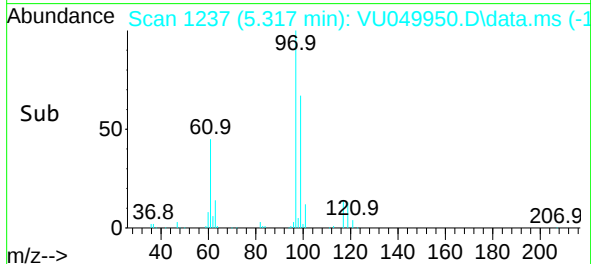
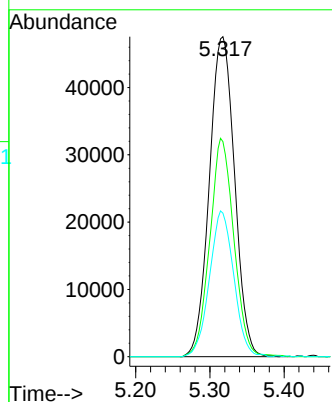
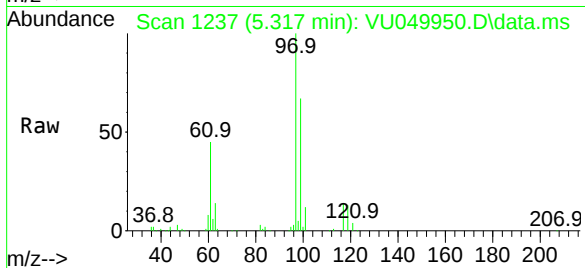
Tgt Ion: 97 Resp: 112456

Ion Ratio Lower Upper

97 100

99 65.1 52.0 78.0

61 43.7 35.0 52.6



#30

Cyclohexane

Concen: 5.271 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

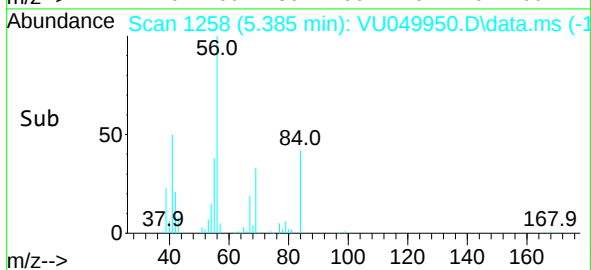
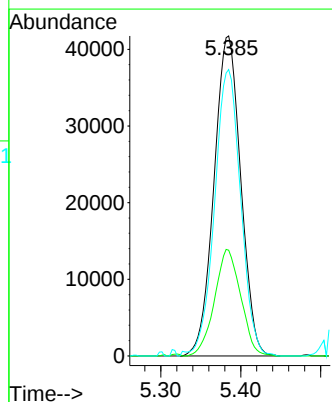
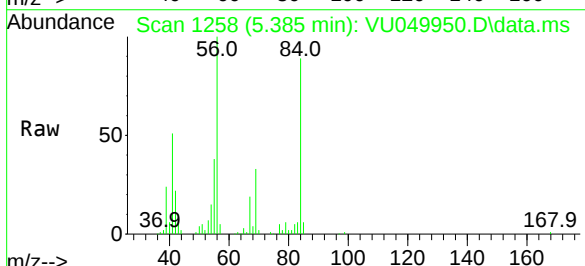
Tgt Ion: 56 Resp: 96904

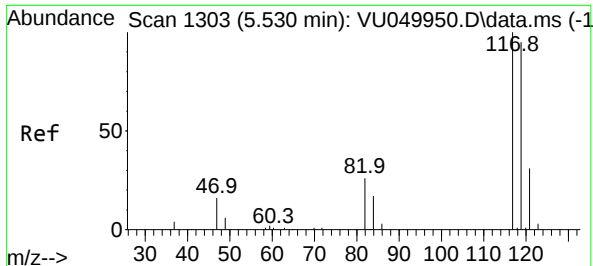
Ion Ratio Lower Upper

56 100

69 32.6 25.1 37.7

84 87.6 70.1 105.1

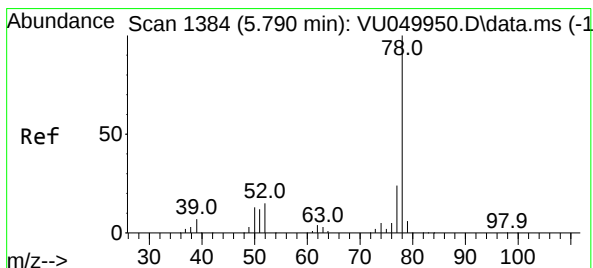
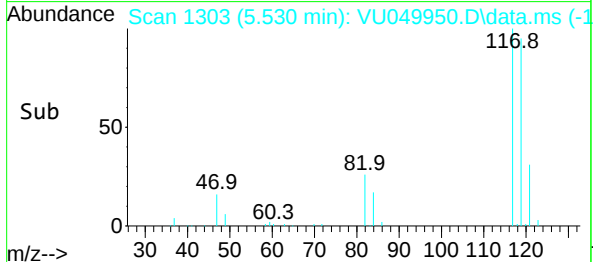
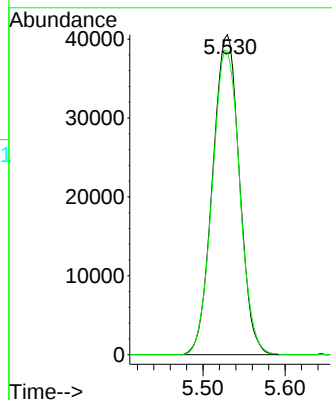
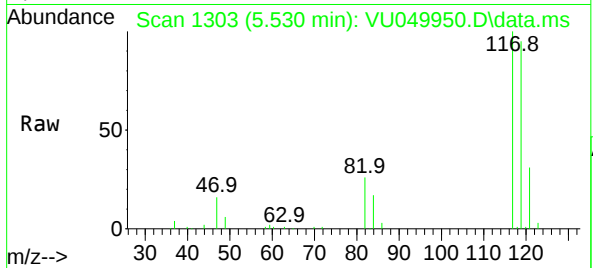




#31
Carbon tetrachloride
Concen: 5.216 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

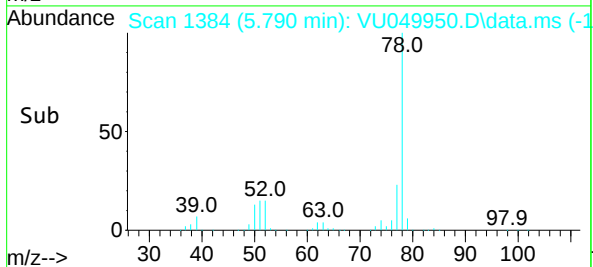
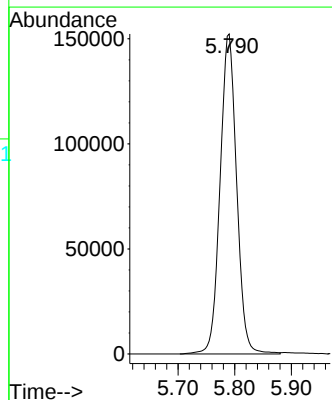
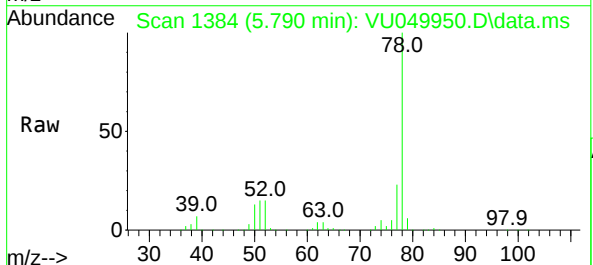
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

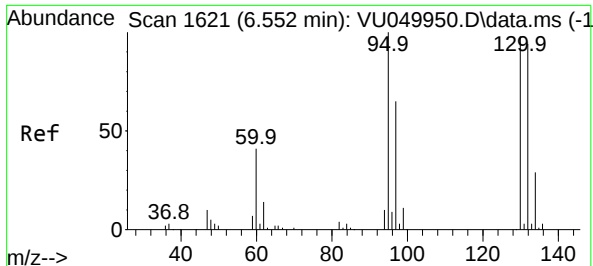
Tgt Ion:117 Resp: 92278
Ion Ratio Lower Upper
117 100
119 97.4 77.8 116.6



#33
Benzene
Concen: 5.161 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. 0.016 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion: 78 Resp: 308972

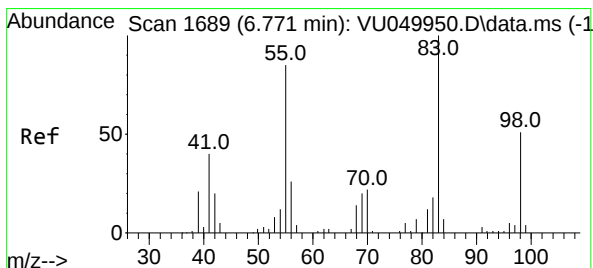
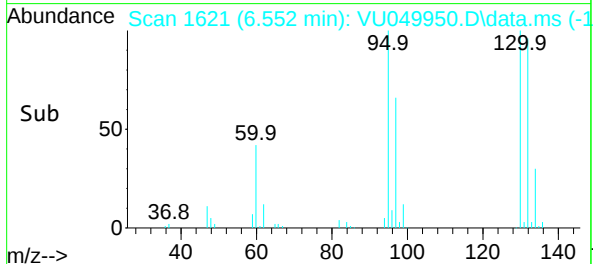
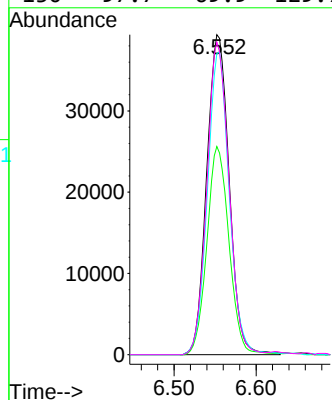
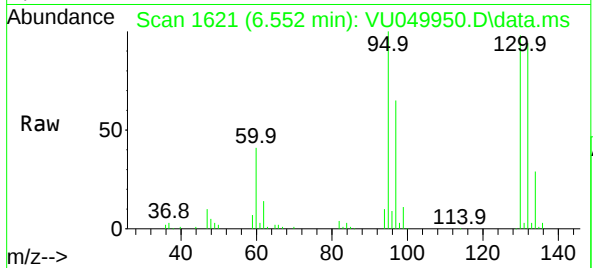




#34
Trichloroethene
Concen: 5.156 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.010 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

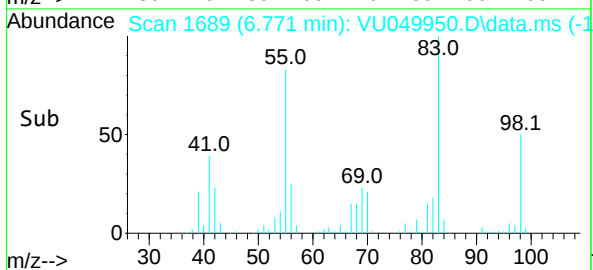
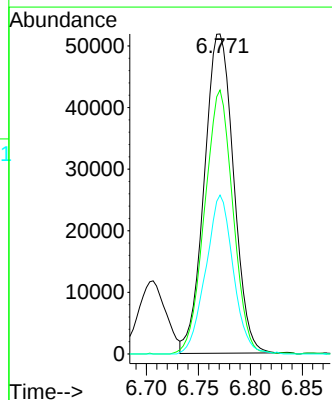
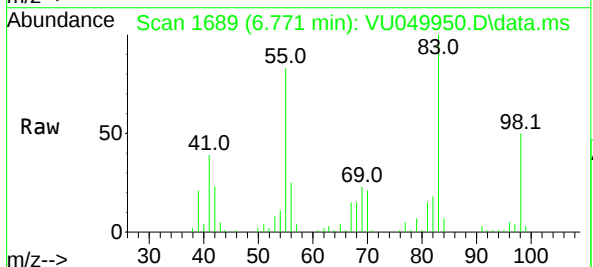
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

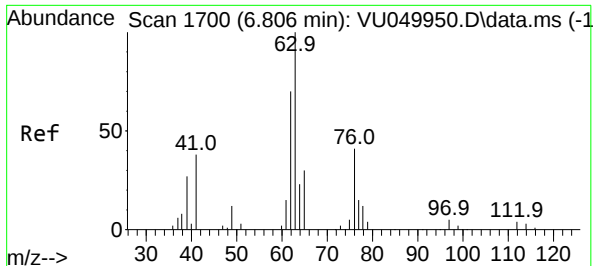
Tgt Ion: 95 Resp: 75026
Ion Ratio Lower Upper
95 100
97 65.0 45.6 84.8
132 94.1 66.8 124.2
130 97.7 69.9 129.7



#35
Methylcyclohexane
Concen: 5.287 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. 0.007 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion: 83 Resp: 101472
Ion Ratio Lower Upper
83 100
55 80.0 61.6 92.4
98 46.8 34.8 52.2

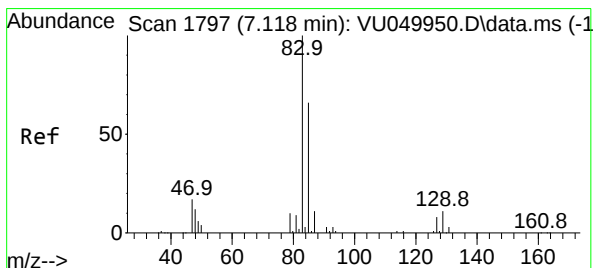
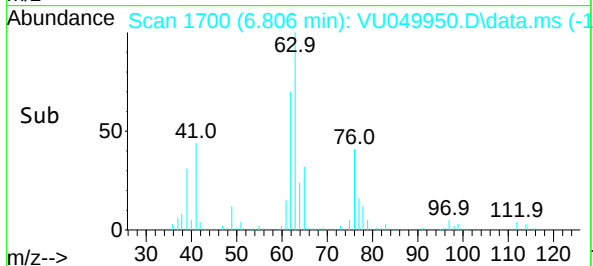
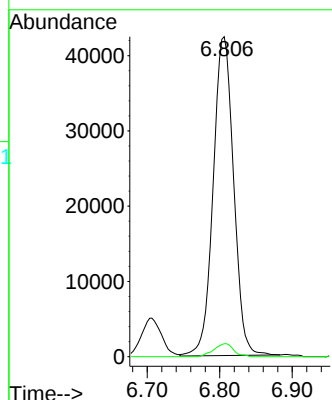
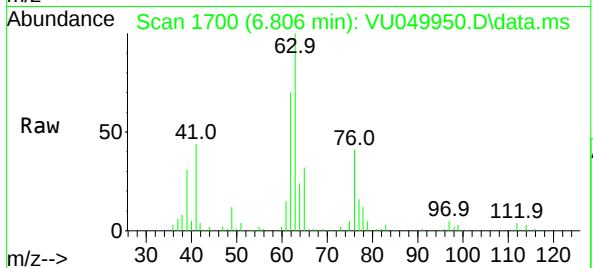




#37
1,2-Dichloropropane
Concen: 5.036 ug/L
RT: 6.806 min Scan# 1700
Delta R.T. 0.016 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

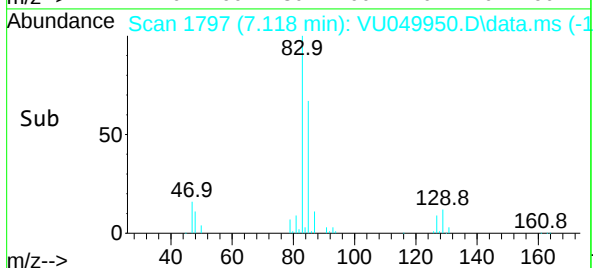
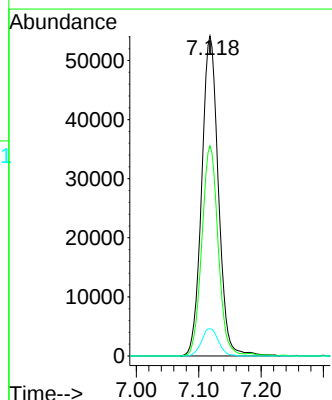
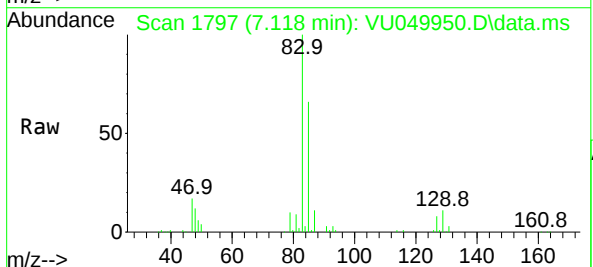
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

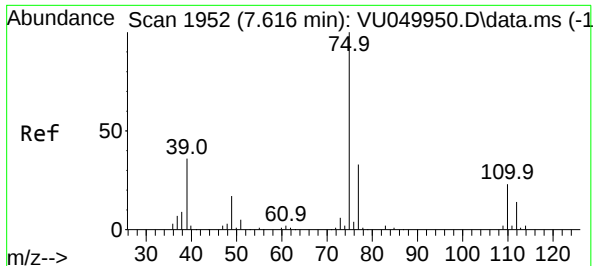
Tgt Ion: 63 Resp: 83083
Ion Ratio Lower Upper
63 100
112 3.9 3.0 4.6



#38
Bromodichloromethane
Concen: 5.050 ug/L
RT: 7.118 min Scan# 1797
Delta R.T. 0.013 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion: 83 Resp: 100808
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.5
127 8.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.063 ug/L

RT: 7.616 min Scan# 1952

Delta R.T. 0.010 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

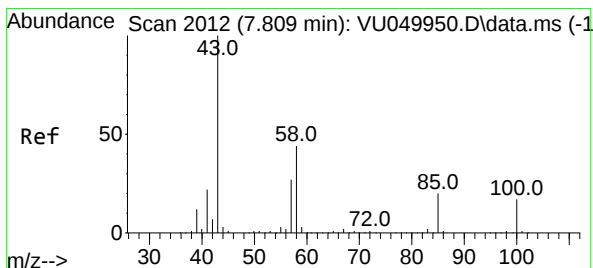
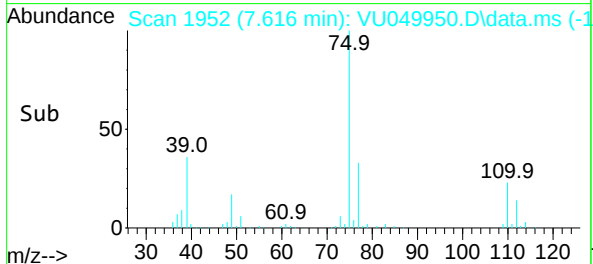
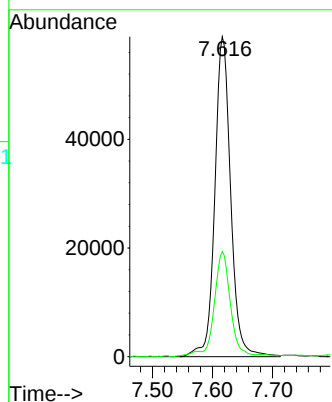
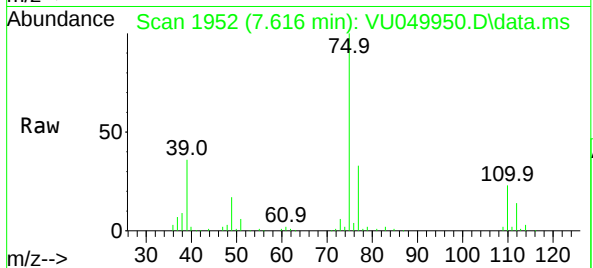
VSTD005134

Tgt Ion: 75 Resp: 108087

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 53.681 ug/L

RT: 7.809 min Scan# 2012

Delta R.T. 0.019 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

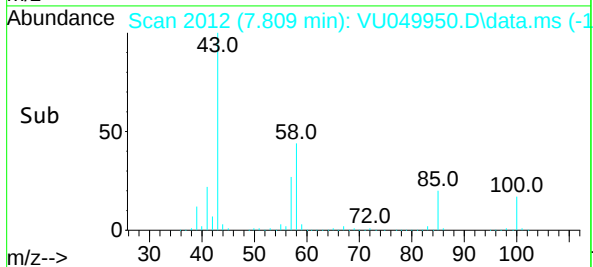
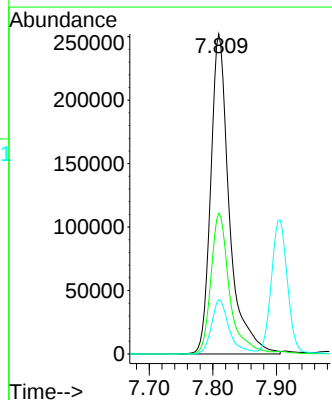
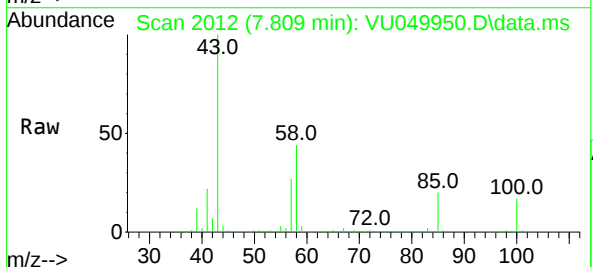
Tgt Ion: 43 Resp: 511713

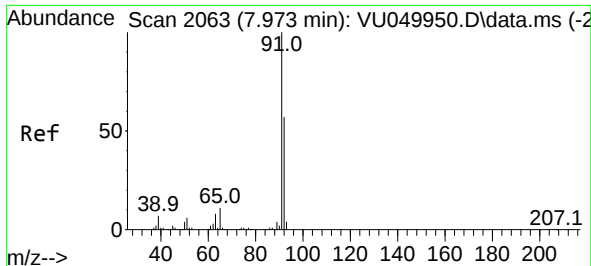
Ion Ratio Lower Upper

43 100

58 44.1 35.5 53.3

100 16.2 13.2 19.8





#42

Toluene

Concen: 5.325 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

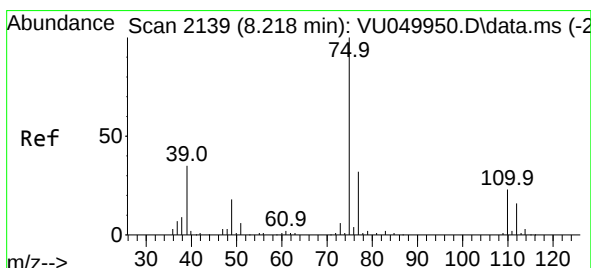
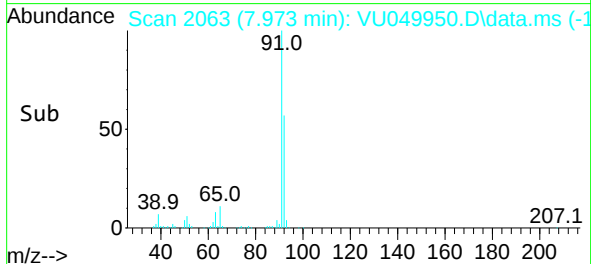
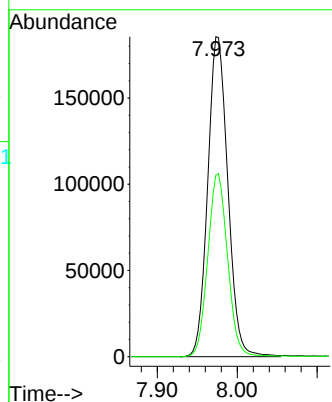
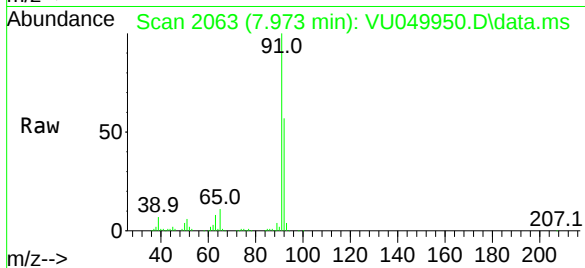
VSTD005134

Tgt Ion: 91 Resp: 324158

Ion Ratio Lower Upper

91 100

92 56.7 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.222 ug/L

RT: 8.218 min Scan# 2139

Delta R.T. 0.007 min

Lab File: VU049950.D

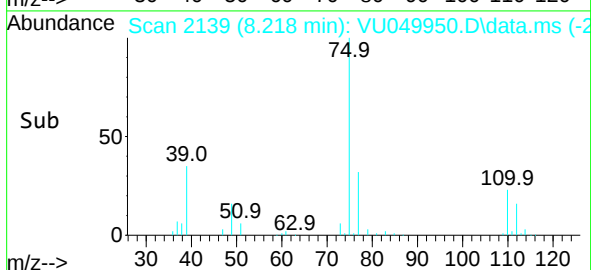
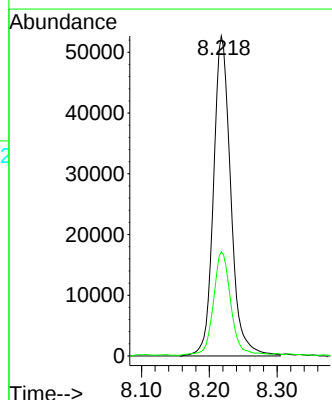
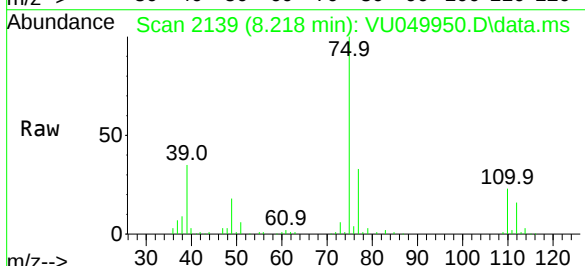
Acq: 27 Jul 2022 15:01

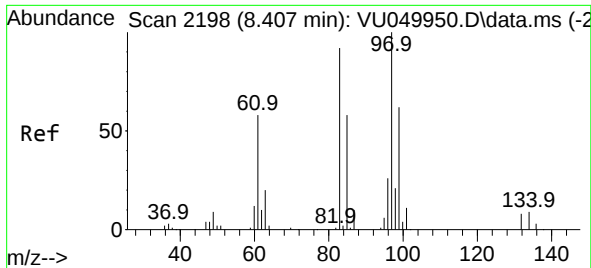
Tgt Ion: 75 Resp: 93621

Ion Ratio Lower Upper

75 100

77 32.6 24.1 44.8

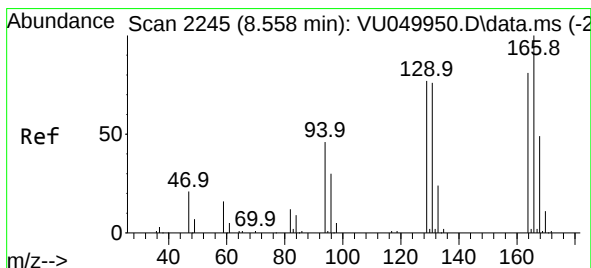
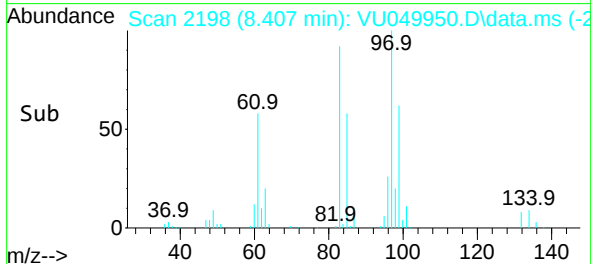
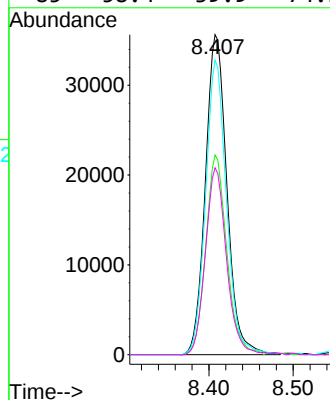
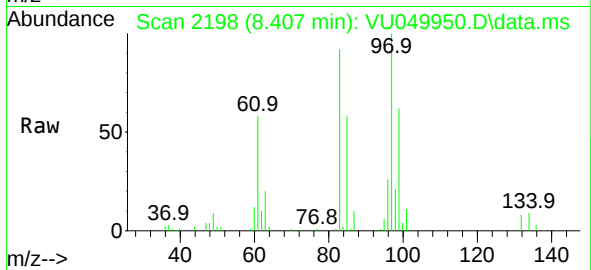




#45
1,1,2-Trichloroethane
Concen: 5.149 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. 0.007 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

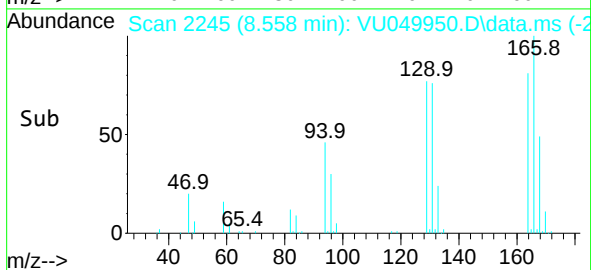
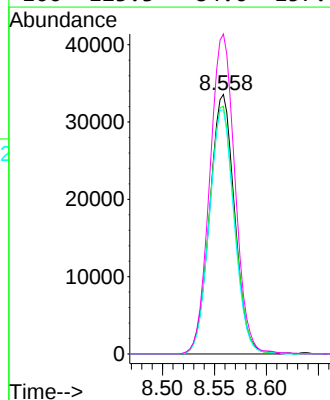
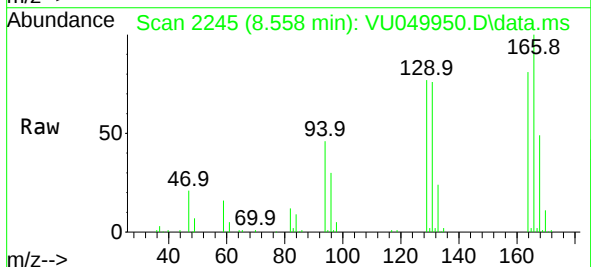
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

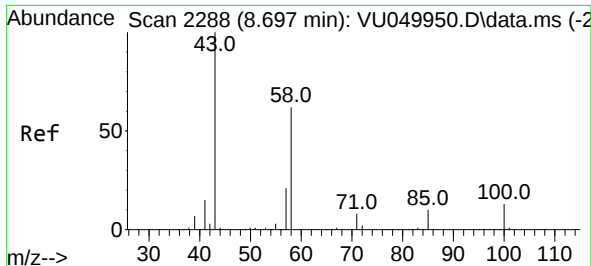
Tgt Ion:	97	Resp:	63467
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.5	80.9
83	92.0	59.9	111.3
85	58.4	39.9	74.1



#47
Tetrachloroethene
Concen: 5.367 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion:	164	Resp:	56207
Ion	Ratio	Lower	Upper
164	100		
129	95.4	66.3	123.1
131	94.0	63.1	117.1
166	123.3	84.6	157.0



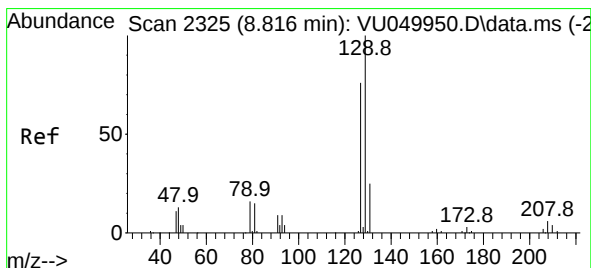
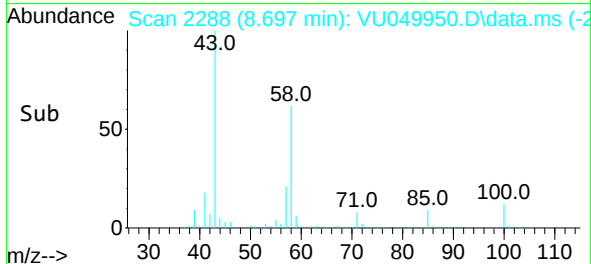
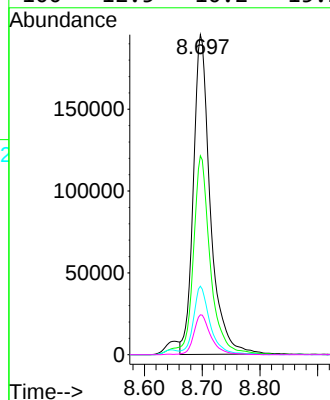
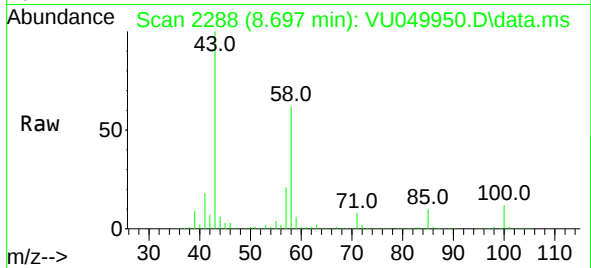


#48
2-Hexanone
Concen: 55.001 ug/L
RT: 8.697 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

Tgt Ion: 43 Resp: 399673

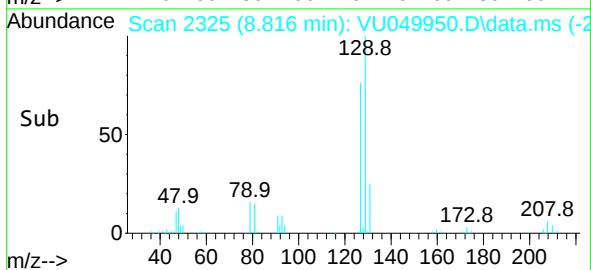
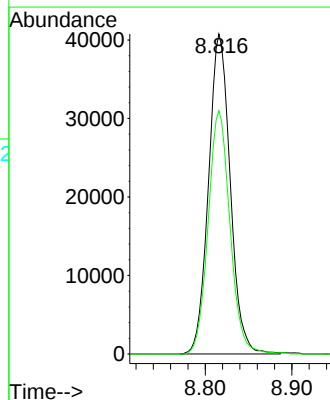
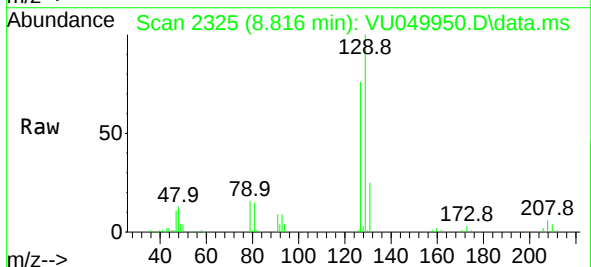
Ion	Ratio	Lower	Upper
43	100		
58	62.7	49.4	74.0
57	21.1	17.0	25.4
100	12.5	10.2	15.2

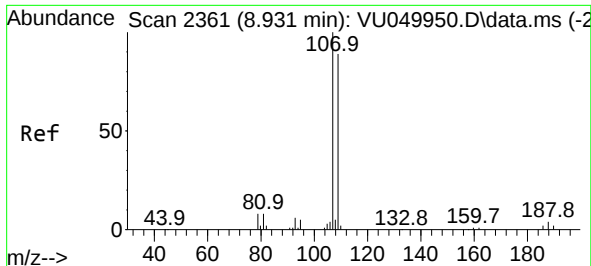


#49
Dibromochloromethane
Concen: 5.251 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. 0.007 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion: 129 Resp: 70833

Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.5	101.1





#50

1,2-Dibromoethane

Concen: 5.275 ug/L

RT: 8.931 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005134

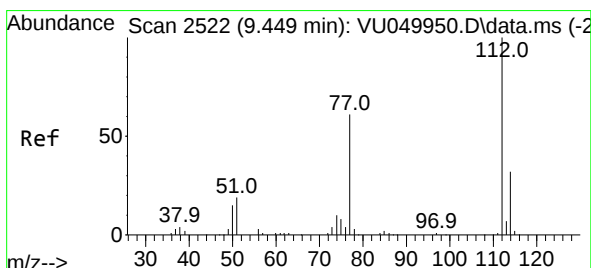
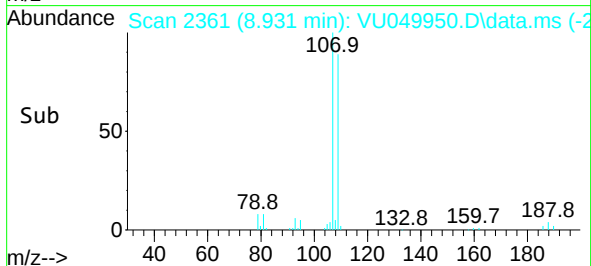
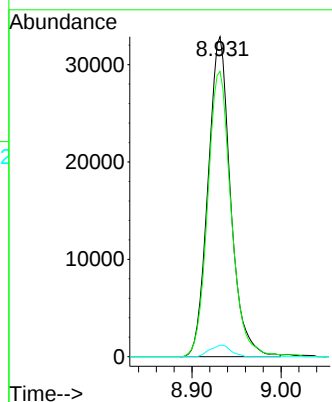
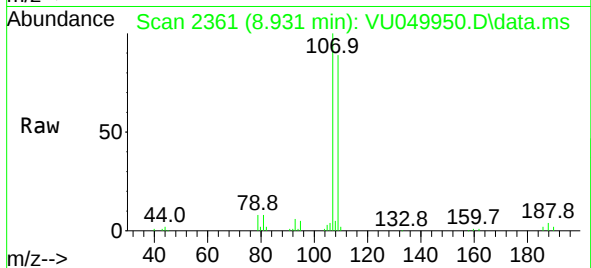
Tgt Ion:107 Resp: 57746

Ion Ratio Lower Upper

107 100

109 89.2 62.7 116.5

188 3.6 2.4 3.6



#51

Chlorobenzene

Concen: 5.158 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

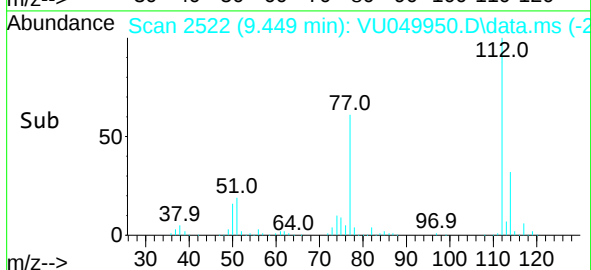
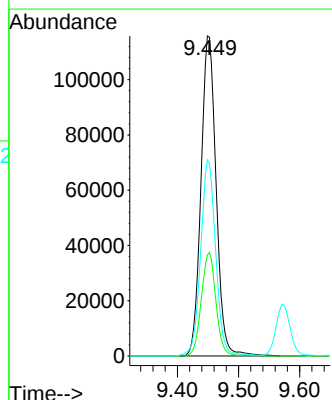
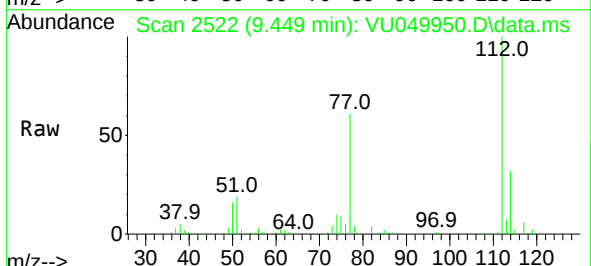
Tgt Ion:112 Resp: 199292

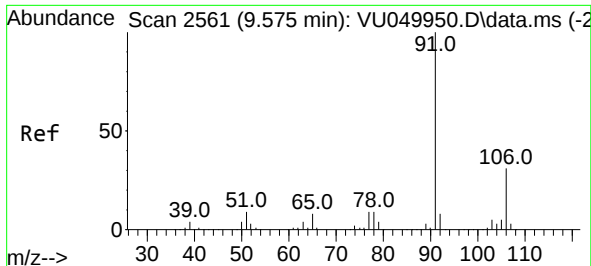
Ion Ratio Lower Upper

112 100

114 31.5 22.4 41.6

77 61.3 48.2 72.4

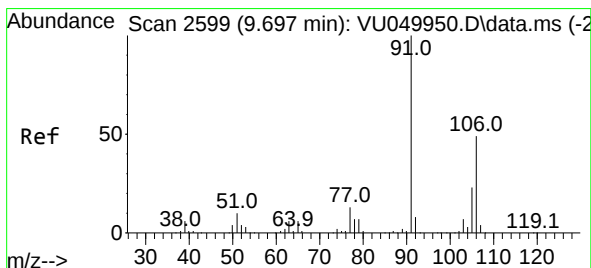
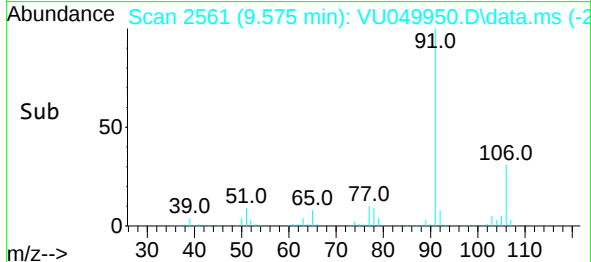
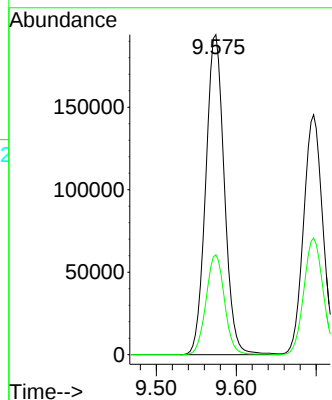
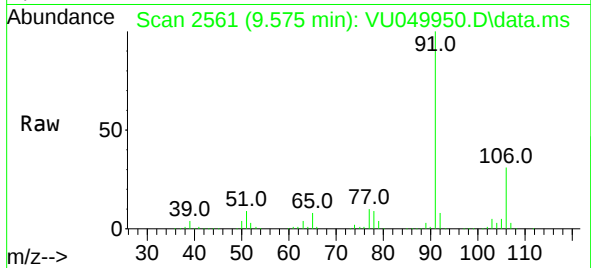




#52
Ethylbenzene
Concen: 5.262 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

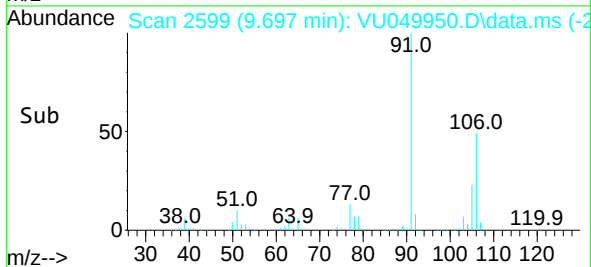
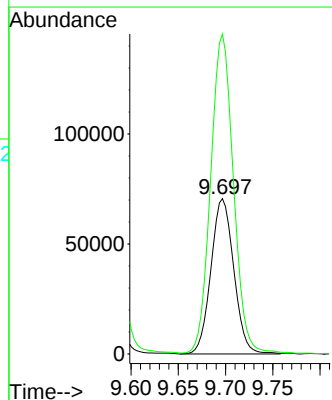
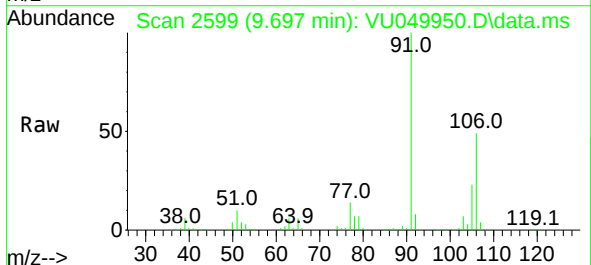
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

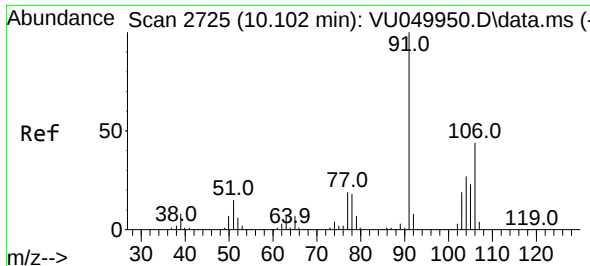
Tgt Ion: 91 Resp: 313799
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.0



#53
m,p-Xylene
Concen: 5.236 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion: 106 Resp: 118891
Ion Ratio Lower Upper
106 100
91 205.9 142.4 264.4

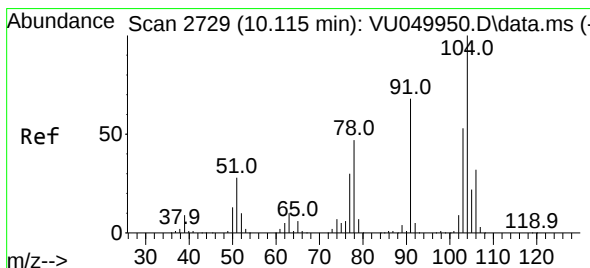
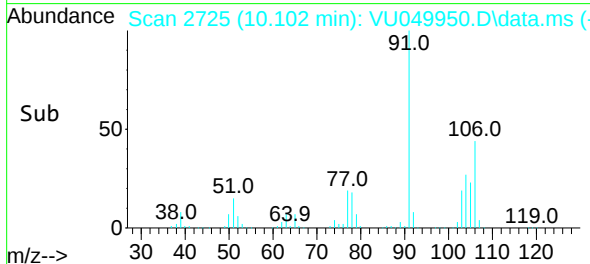
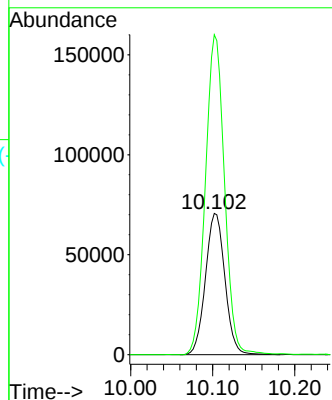
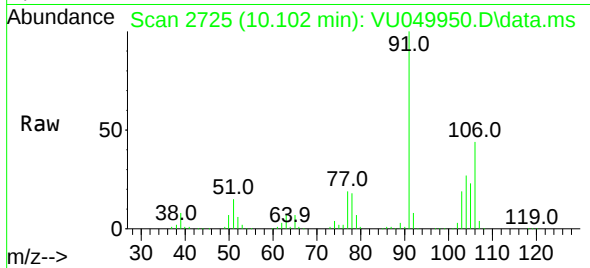




#54
o-Xylene
Concen: 5.273 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

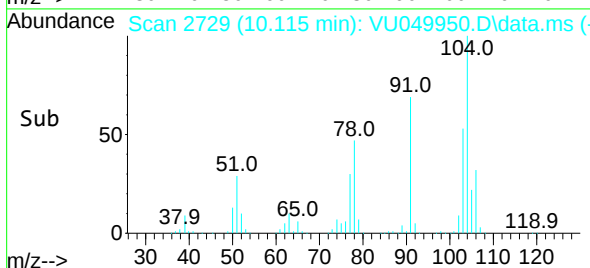
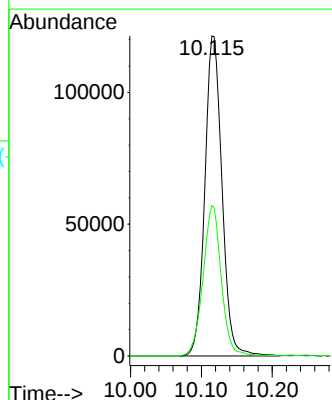
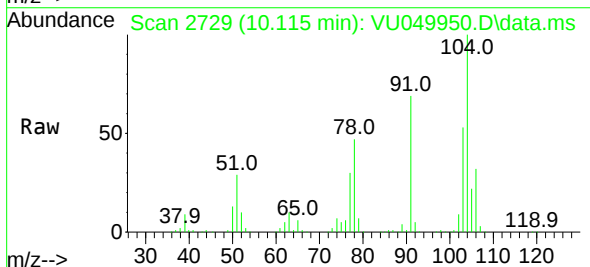
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

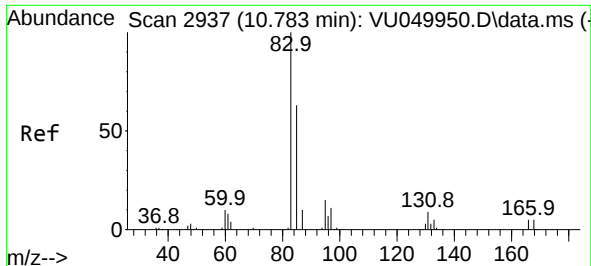
Tgt Ion:106 Resp: 116087
Ion Ratio Lower Upper
106 100
91 226.6 148.7 276.1



#55
Styrene
Concen: 5.448 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion:104 Resp: 204273
Ion Ratio Lower Upper
104 100
78 47.0 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.240 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005134

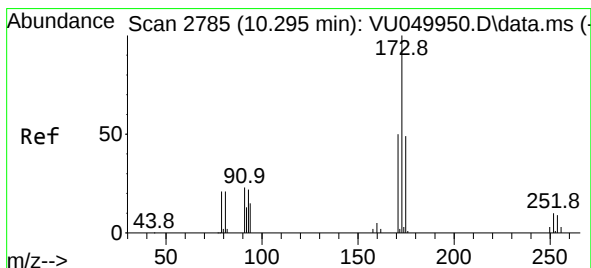
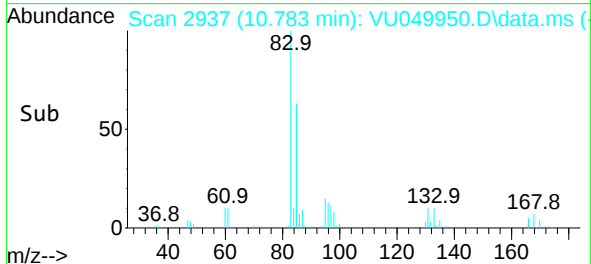
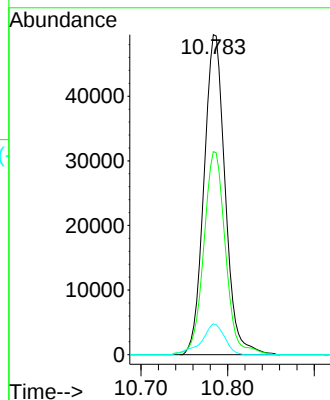
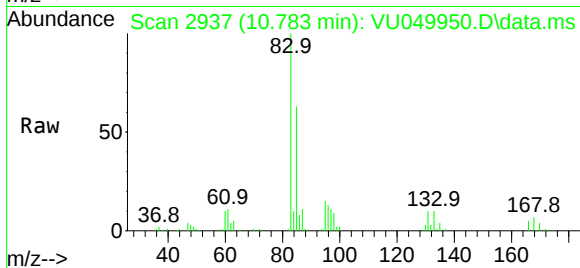
Tgt Ion: 83 Resp: 84074

Ion Ratio Lower Upper

83 100

85 63.5 46.6 86.6

131 9.6 7.9 11.9



#59

Bromoform

Concen: 5.168 ug/L

RT: 10.295 min Scan# 2785

Delta R.T. 0.007 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

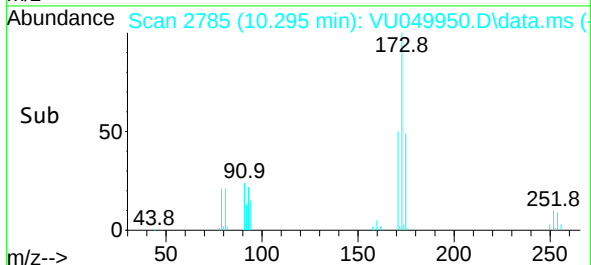
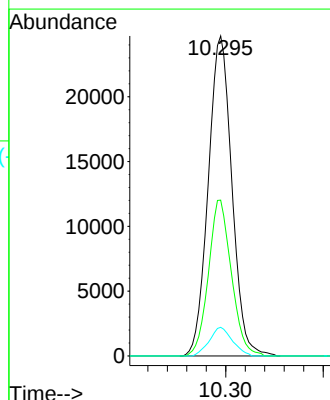
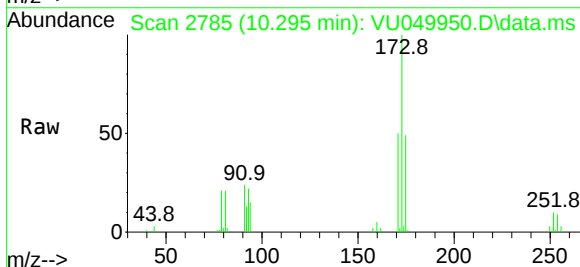
Tgt Ion:173 Resp: 41562

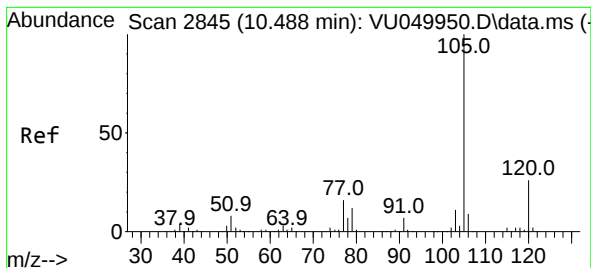
Ion Ratio Lower Upper

173 100

175 47.3 39.1 58.7

254 8.7 7.5 11.3





#60

Isopropylbenzene

Concen: 5.160 ug/L

RT: 10.488 min Scan# 2845

Delta R.T. 0.003 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005134

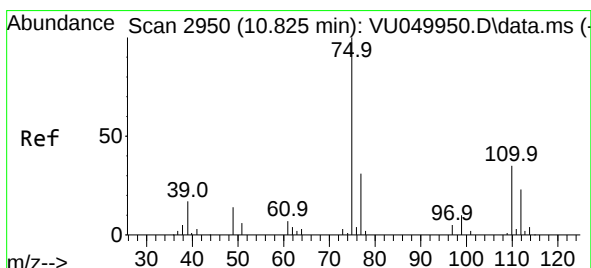
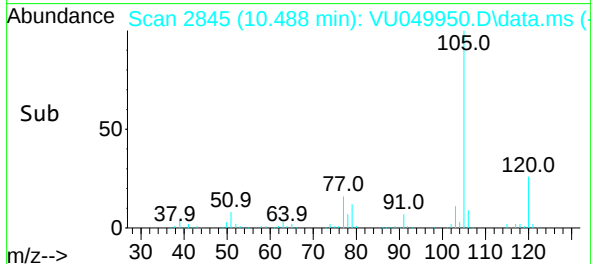
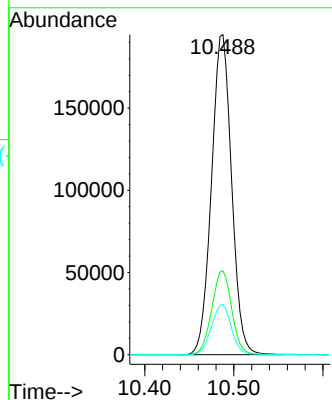
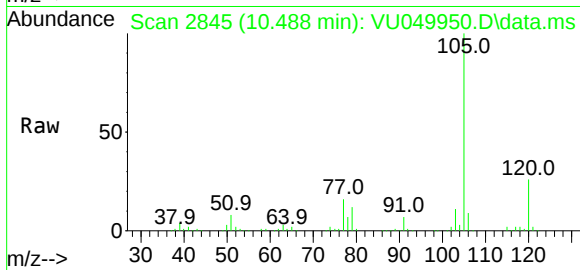
Tgt Ion:105 Resp: 304997

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

77 15.6 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 4.983 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

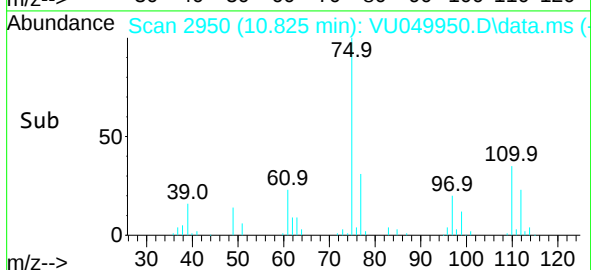
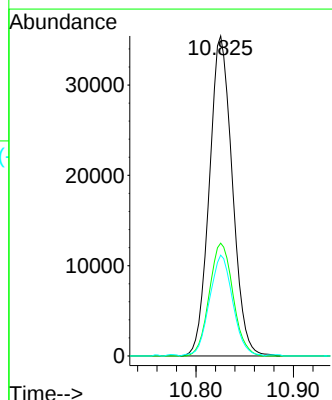
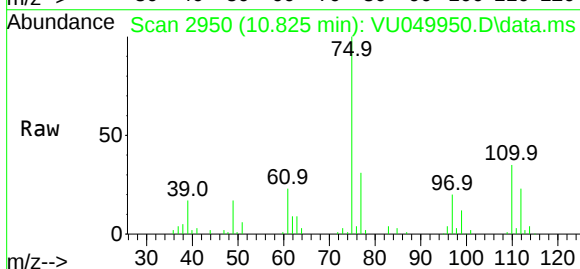
Tgt Ion: 75 Resp: 57908

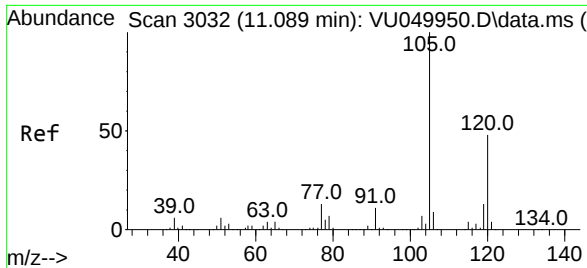
Ion Ratio Lower Upper

75 100

110 36.3 28.1 42.1

77 32.0 24.7 37.1

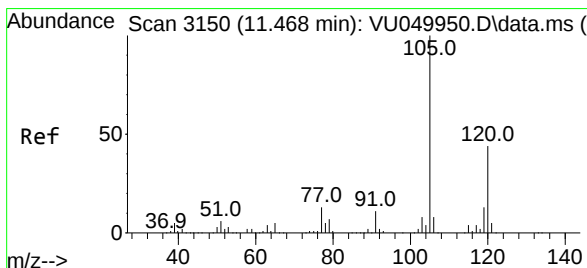
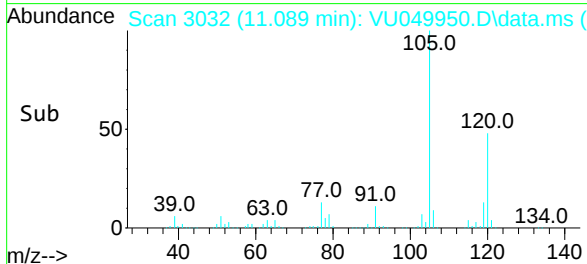
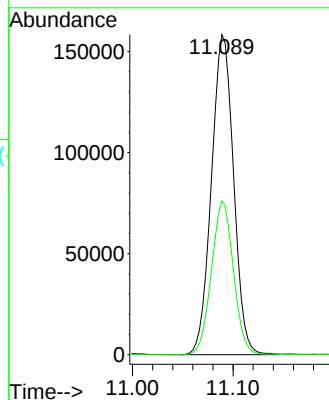
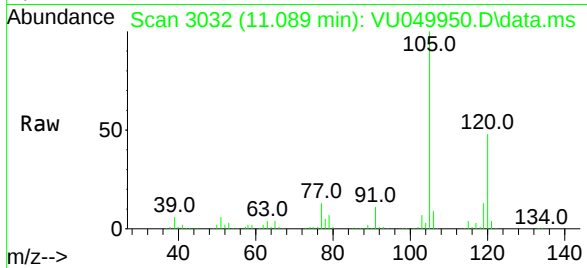




#62
1,3,5-Trimethylbenzene
Concen: 5.045 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

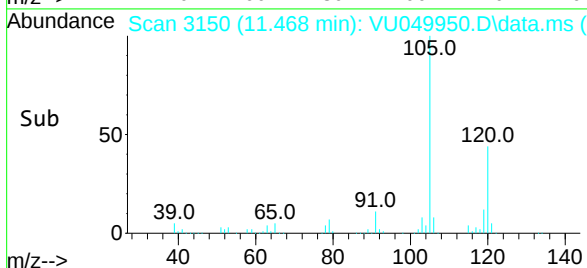
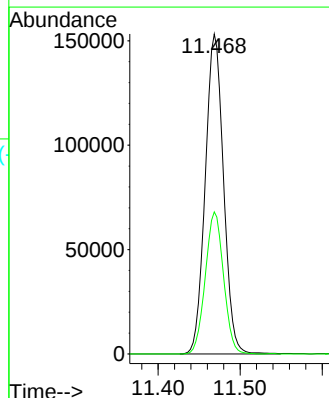
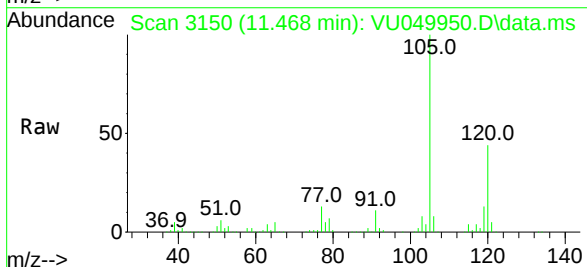
Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

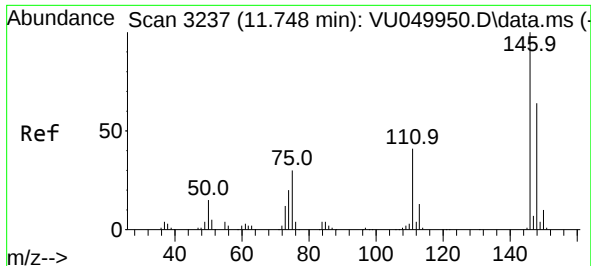
Tgt Ion:105 Resp: 242287
Ion Ratio Lower Upper
105 100
120 47.7 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 5.109 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion:105 Resp: 237799
Ion Ratio Lower Upper
105 100
120 44.3 35.4 53.2

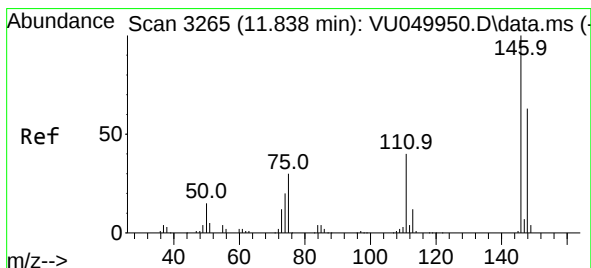
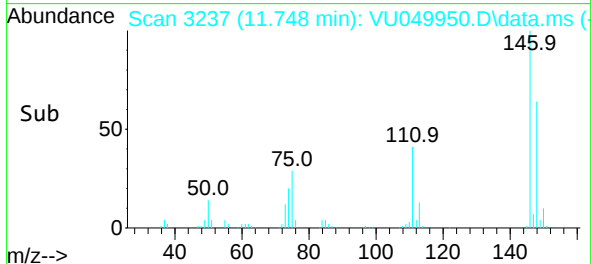
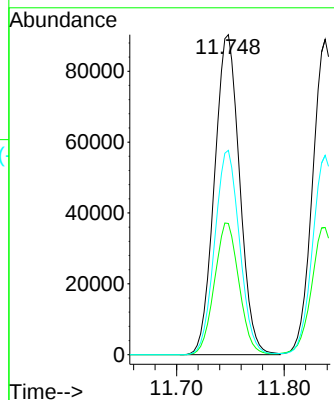
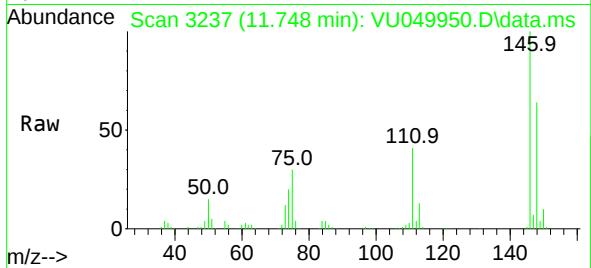




#64
 1,3-Dichlorobenzene
 Concen: 5.184 ug/L
 RT: 11.748 min Scan# 3237
 Delta R.T. 0.003 min
 Lab File: VU049950.D
 Acq: 27 Jul 2022 15:01

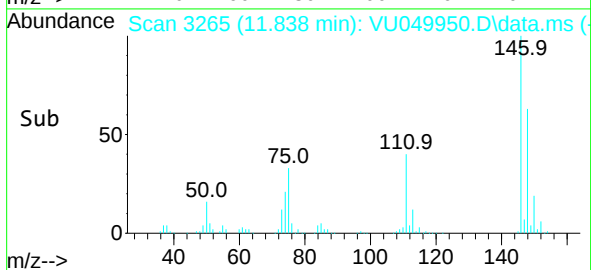
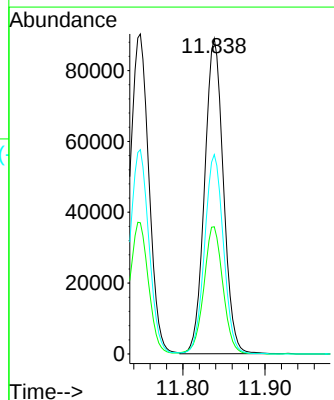
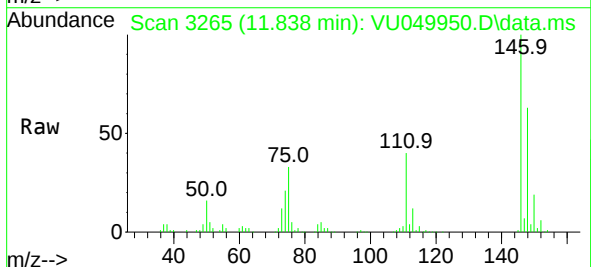
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005134

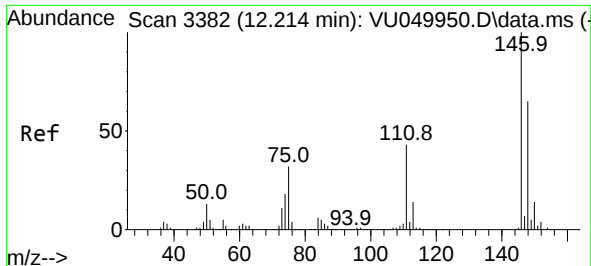
Tgt Ion:146 Resp: 146731
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.9 53.7
 148 63.8 45.9 85.3



#65
 1,4-Dichlorobenzene
 Concen: 5.049 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. 0.003 min
 Lab File: VU049950.D
 Acq: 27 Jul 2022 15:01

Tgt Ion:146 Resp: 141401
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.4 49.0
 148 63.2 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.027 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD005134

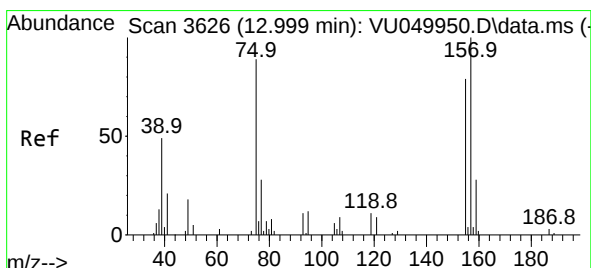
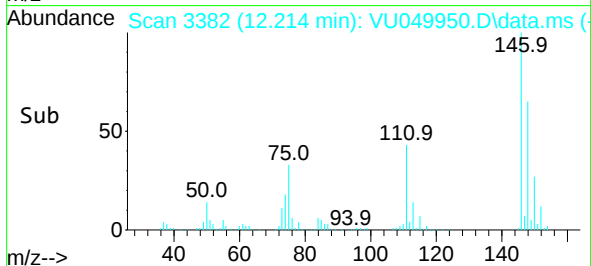
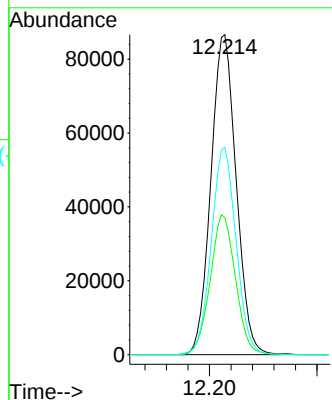
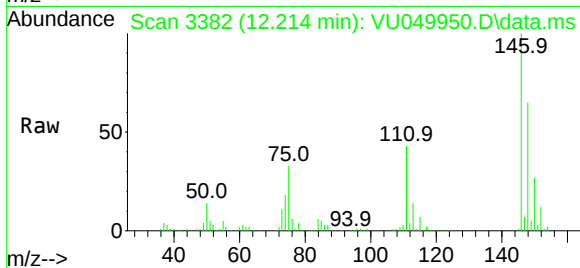
Tgt Ion:146 Resp: 141358

Ion Ratio Lower Upper

146 100

111 42.8 33.4 50.2

148 64.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.193 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU049950.D

Acq: 27 Jul 2022 15:01

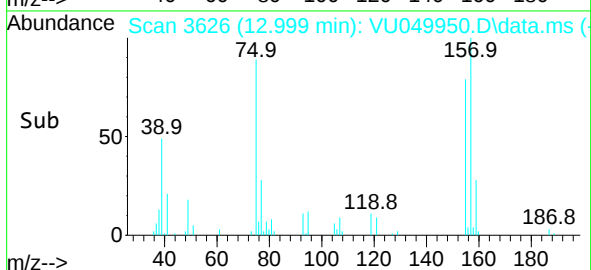
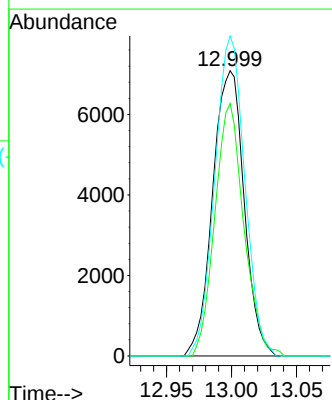
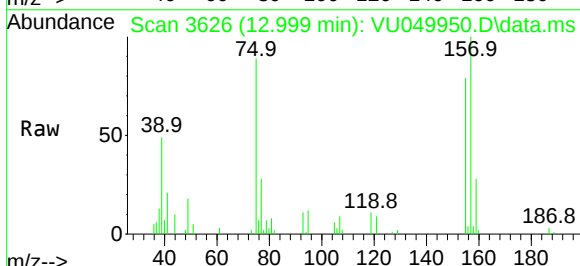
Tgt Ion: 75 Resp: 11921

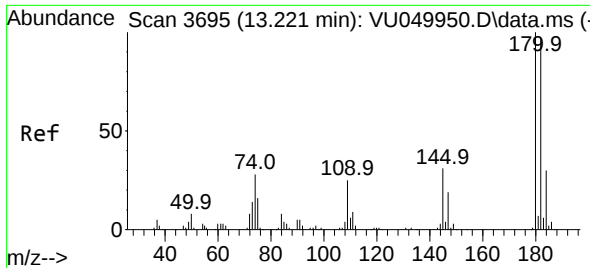
Ion Ratio Lower Upper

75 100

155 88.5 59.4 89.0

157 112.2 73.8 110.6#



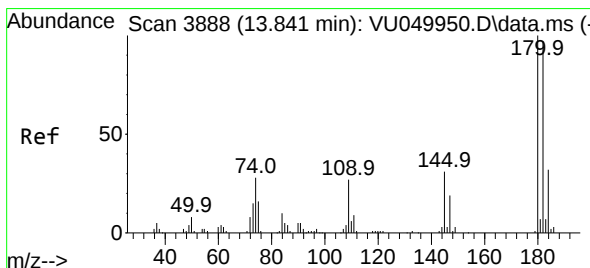
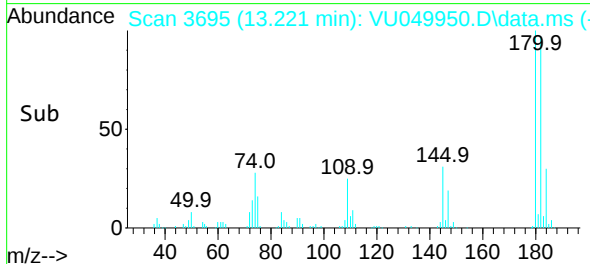
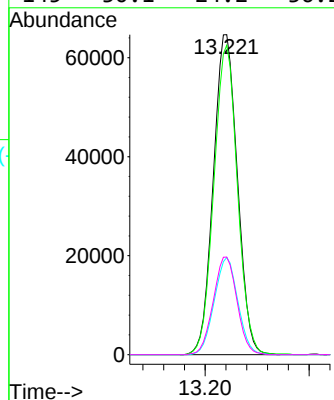
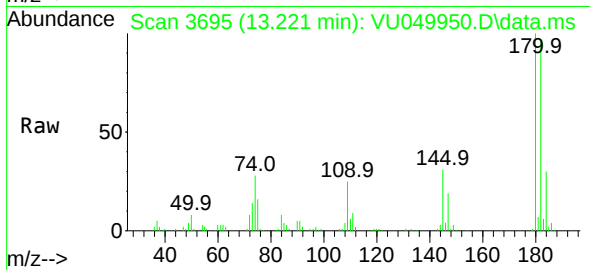


#69
 1,3,5-Trichlorobenzene
 Concen: 5.084 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU049950.D
 Acq: 27 Jul 2022 15:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005134

Tgt Ion:180 Resp: 103741

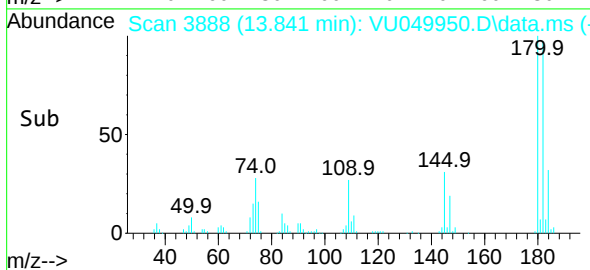
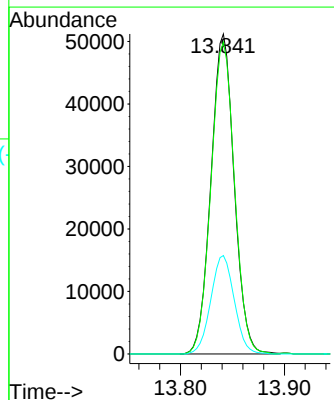
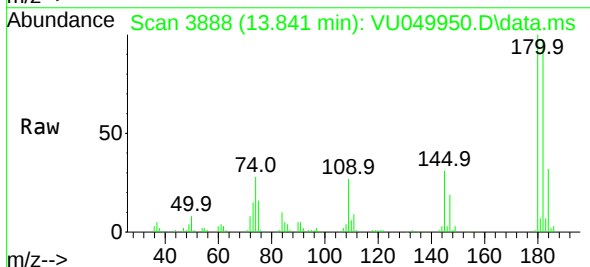
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.2	115.8
184	29.8	23.9	35.9
145	30.1	24.2	36.2

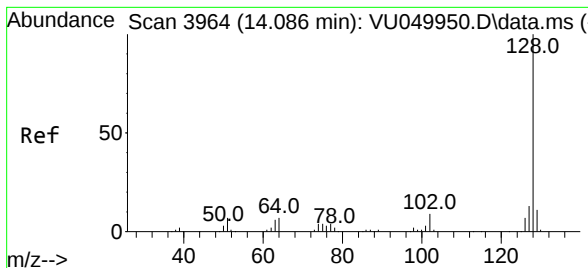


#70
 1,2,4-trichlorobenzene
 Concen: 4.882 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU049950.D
 Acq: 27 Jul 2022 15:01

Tgt Ion:180 Resp: 79475

Ion	Ratio	Lower	Upper
180	100		
182	98.5	75.8	113.6
145	31.1	23.8	35.8

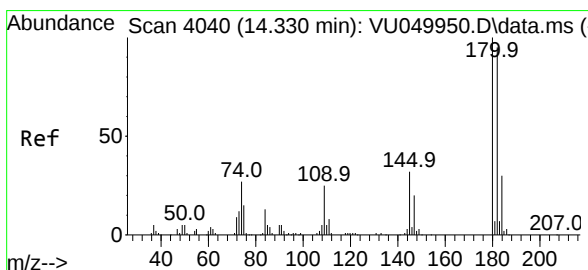
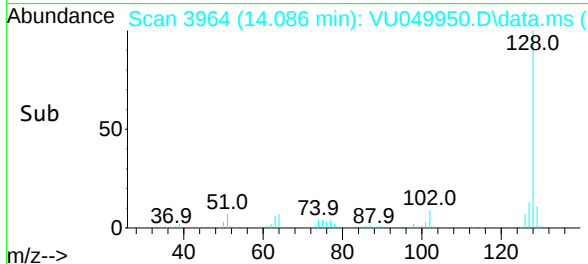
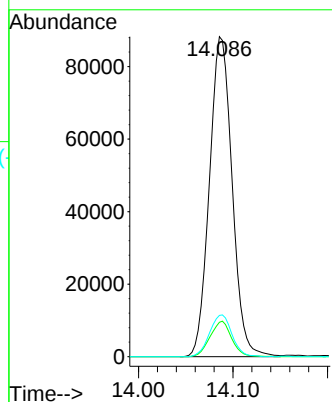
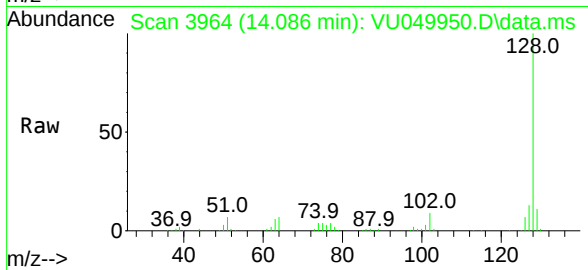




#71
Naphthalene
Concen: 4.567 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD005134

Tgt Ion:	128	Resp:	147427
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.5	12.7
127	12.9	10.3	15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.028 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049950.D
Acq: 27 Jul 2022 15:01

Tgt Ion:	180	Resp:	81230
Ion Ratio	Lower	Upper	
180	100		
182	94.7	77.0	115.4
145	31.5	26.3	39.5

