

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093022\
 Data File : VU051051.D
 Acq On : 30 Sep 2022 22:00
 Operator : JC/MD
 Sample : N4859-21MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E10042MSD

Quant Time: Oct 01 01:30:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 01 01:23:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	461322	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	452174	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	220637	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	148287	31.717	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.440%
7) Chloroethane-d5	1.909	69	152331	35.075	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.160%
11) 1,1-Dichloroethene-d2	2.568	63	271898	39.371	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.740%
21) 2-Butanone-d5	4.626	46	303656	100.140	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.140%
24) Chloroform-d	5.063	84	317522	42.154	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.300%
26) 1,2-Dichloroethane-d4	5.700	65	200396	42.982	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.960%
32) Benzene-d6	5.726	84	615771	46.504	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.690	67	210736	49.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.100%
41) Toluene-d8	7.896	98	558586	45.659	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.320%
43) trans-1,3-Dichloroprop...	8.179	79	95124	46.416	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.840%
47) 2-Hexanone-d5	8.632	63	175470	101.139	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.140%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	339196	45.170	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	204180	43.319	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	170945	44.190	ug/L	100
3) Chloromethane	1.520	50	226889	49.642	ug/L	98
5) Vinyl chloride	1.604	62	224770	46.338	ug/L	97
6) Bromomethane	1.858	94	132404	32.953	ug/L	95
8) Chloroethane	1.932	64	164355	46.143	ug/L	98
9) Trichlorofluoromethane	2.134	101	262024	40.174	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	153045	43.456	ug/L	97
12) 1,1-Dichloroethene	2.578	96	151898	46.173	ug/L	89
13) Acetone	2.639	43	231930	95.783	ug/L	97
14) Carbon disulfide	2.790	76	460767	47.382	ug/L	100
15) Methyl Acetate	2.951	43	215489	48.745	ug/L	99
16) Methylene chloride	3.044	84	204443	43.290	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	167603	47.888	ug/L	97
18) Methyl tert-butyl Ether	3.363	73	573794	53.948	ug/L	99
19) 1,1-Dichloroethane	3.867	63	333852	50.217	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	197955	50.657	ug/L	97
22) 2-Butanone	4.707	43	357226	106.778	ug/L	96
23) Bromochloromethane	4.973	128	101256	47.291	ug/L	90
25) Chloroform	5.086	83	354366	49.004	ug/L	97

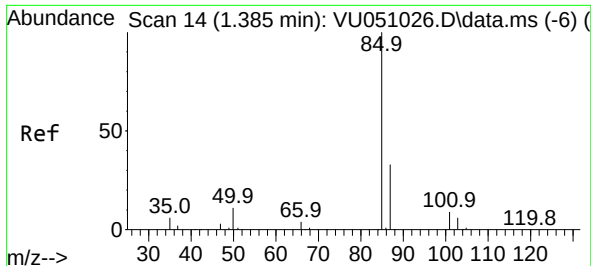
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093022\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	277072	50.018	ug/L	99
29) Cyclohexane	5.388	56	249054	56.567	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	274942	51.846	ug/L	99
31) Carbon tetrachloride	5.523	117	216187	49.965	ug/L	97
33) Benzene	5.771	78	788896	57.227	ug/L	100
34) Trichloroethene	6.539	95	189813	53.161	ug/L	96
35) Methylcyclohexane	6.761	83	250346	51.515	ug/L	97
37) 1,2-Dichloropropane	6.790	63	215394	58.022	ug/L	99
38) Bromodichloromethane	7.105	83	267279	53.950	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	294784	56.071	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	661530	123.050	ug/L	99
42) Toluene	7.967	91	816205	55.664	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	282837	53.207	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	209824	52.181	ug/L	99
46) Tetrachloroethene	8.552	164	127252	47.028	ug/L	98
48) 2-Hexanone	8.684	43	575365	117.829	ug/L	98
49) Dibromochloromethane	8.806	129	210623	49.820	ug/L	99
50) 1,2-Dibromoethane	8.922	107	220042	50.472	ug/L	96
51) Chlorobenzene	9.446	112	489912	49.131	ug/L	99
52) Ethylbenzene	9.568	91	817150	52.246	ug/L	98
53) m,p-Xylene	9.690	106	309509	52.624	ug/L	95
54) o-Xylene	10.099	106	318484	54.175	ug/L	99
55) Styrene	10.111	104	551899	54.318	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	369400	51.908	ug/L	99
59) Bromoform	10.288	173	154771	47.675	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	297866	51.301	ug/L	99
61) Isopropylbenzene	10.481	105	793240	55.344	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	656807	56.041	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	662690	56.416	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	352729	47.738	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	355204	48.091	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	377066	49.670	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	88599	52.290	ug/L	96
69) 1,3,5-Trichlorobenzene	13.217	180	248769	49.648	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	210402	51.322	ug/L	99
71) Naphthalene	14.082	128	862703	58.794	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	238074	52.042	ug/L	98

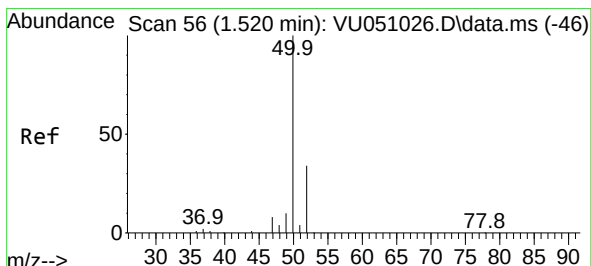
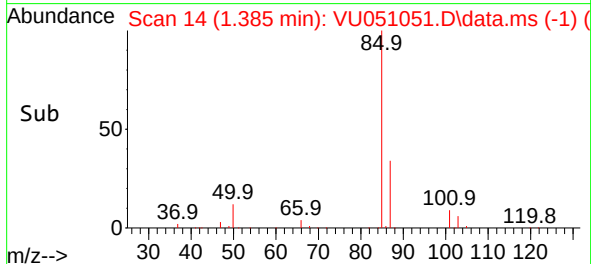
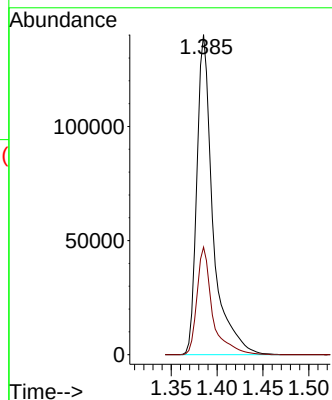
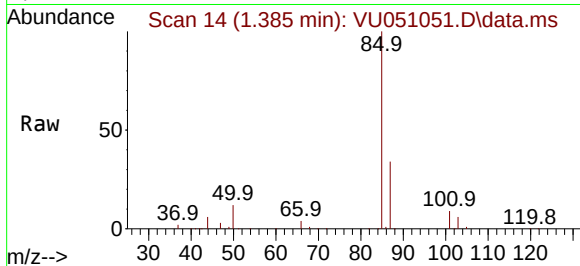
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#2
 Dichlorodifluoromethane
 Concen: 44.190 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU051051.D
 Acq: 30 Sep 2022 22:00

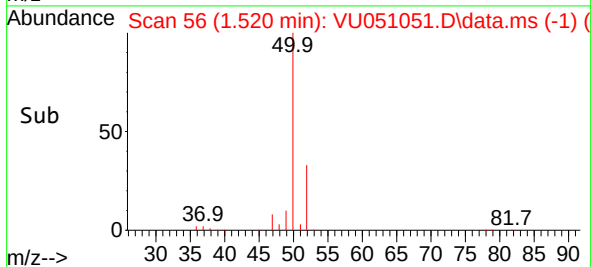
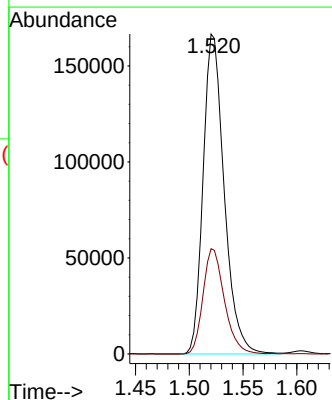
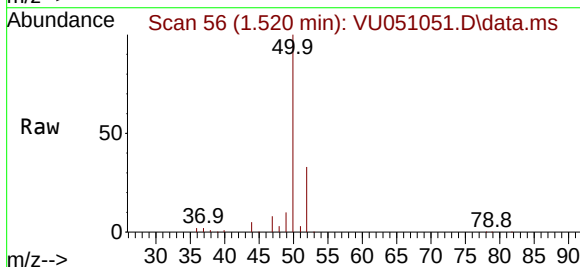
Instrument :
 MSVOA_U
 ClientSampleId :
 E10042MSD

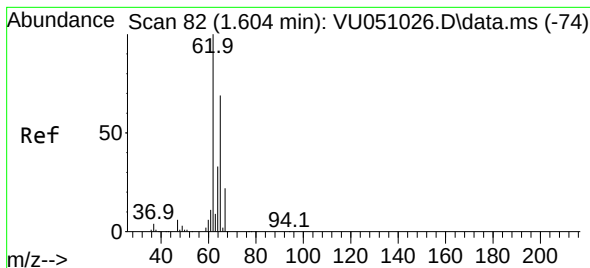
Tgt Ion: 85 Resp: 170945
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.9 38.9



#3
 Chloromethane
 Concen: 49.642 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU051051.D
 Acq: 30 Sep 2022 22:00

Tgt Ion: 50 Resp: 226889
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.7 44.1





#5

Vinyl chloride

Concen: 46.338 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

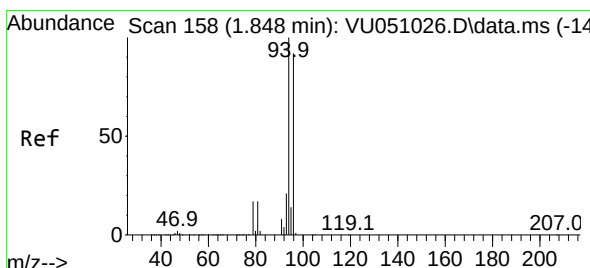
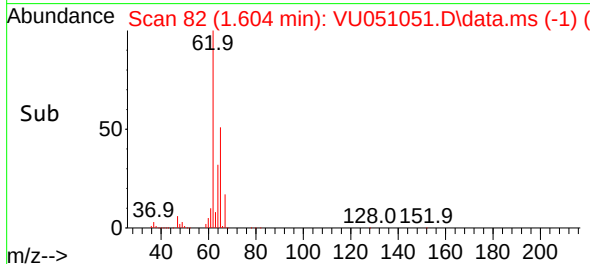
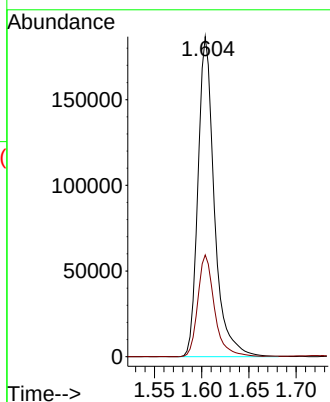
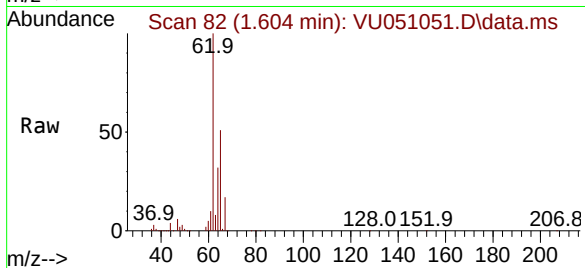
E10042MSD

Tgt Ion: 62 Resp: 224770

Ion Ratio Lower Upper

62 100

64 31.8 23.5 43.7



#6

Bromomethane

Concen: 32.953 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.010 min

Lab File: VU051051.D

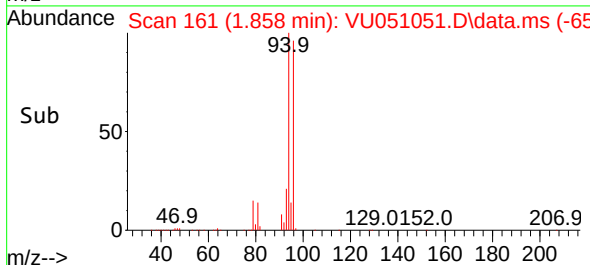
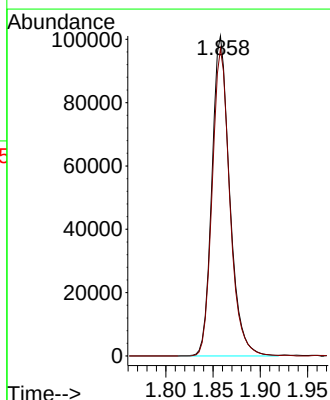
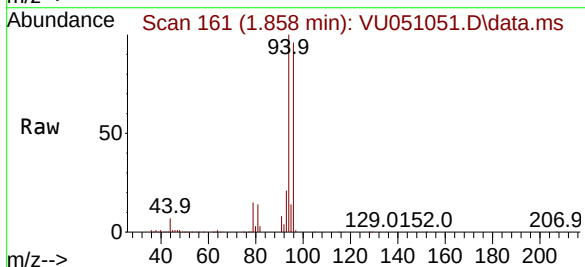
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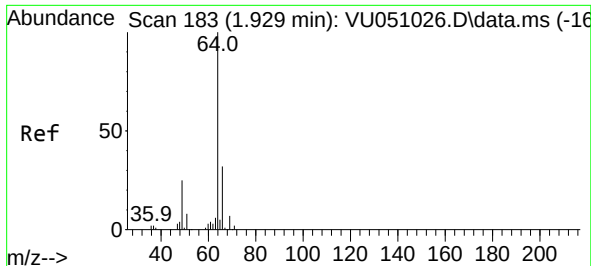
Tgt Ion: 94 Resp: 132404

Ion Ratio Lower Upper

94 100

96 95.9 63.9 118.7

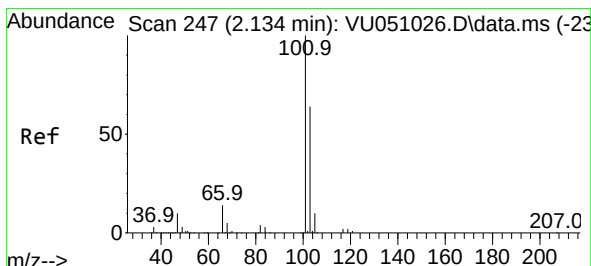
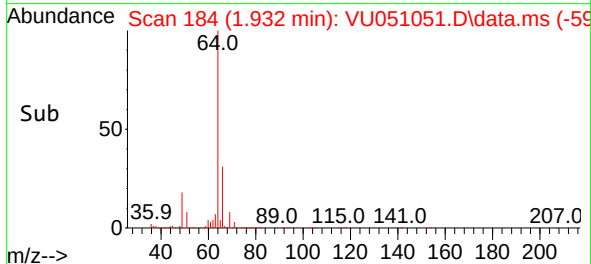
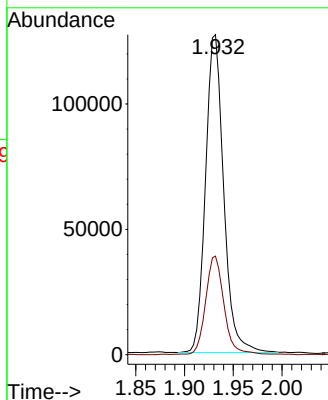
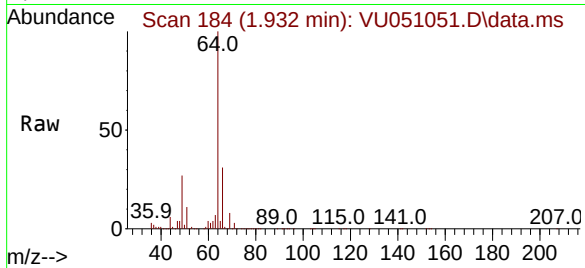




#8
Chloroethane
Concen: 46.143 ug/L
RT: 1.932 min Scan# 183
Delta R.T. 0.003 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

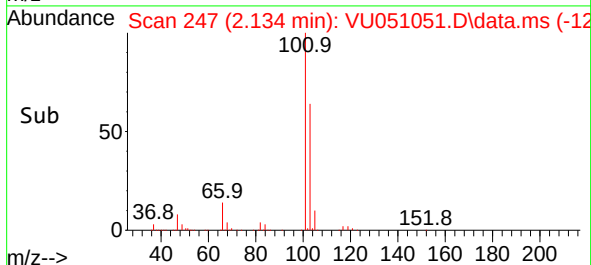
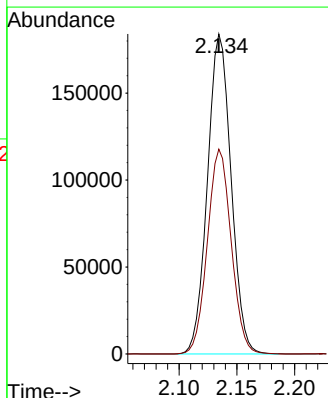
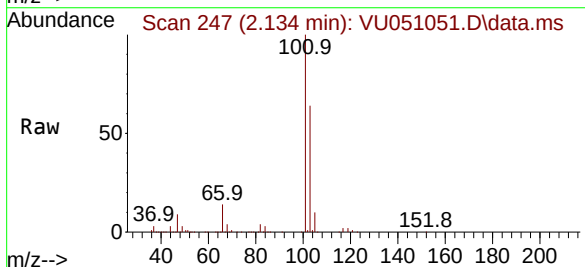
Instrument :
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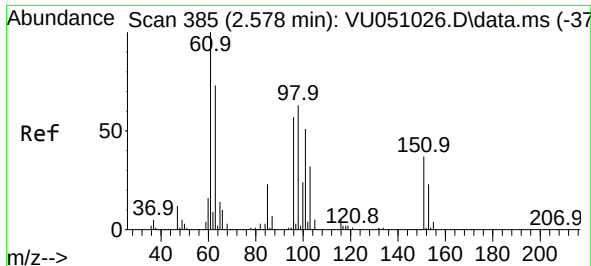
Tgt Ion: 64 Resp: 164355
Ion Ratio Lower Upper
64 100
66 30.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 40.174 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion: 101 Resp: 262024
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6

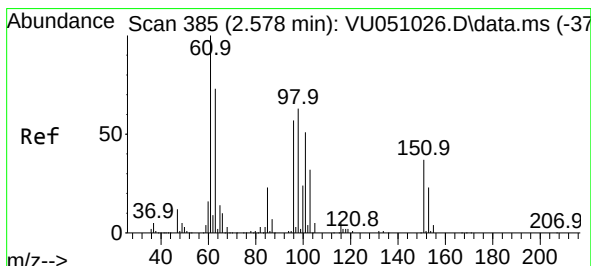
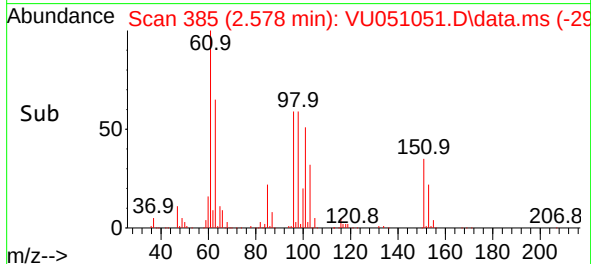
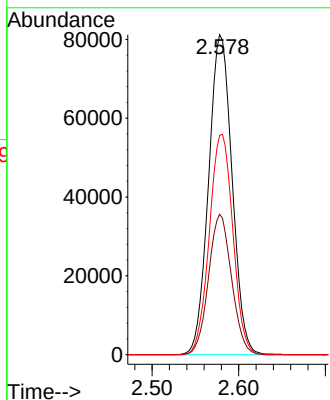
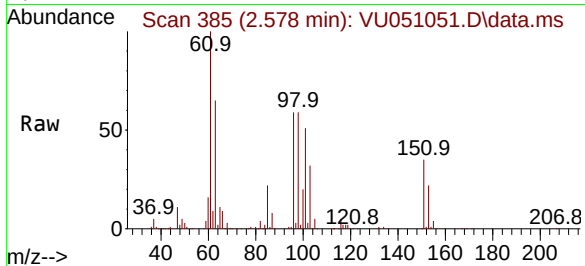




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.456 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

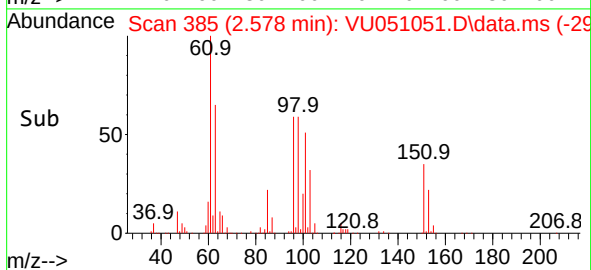
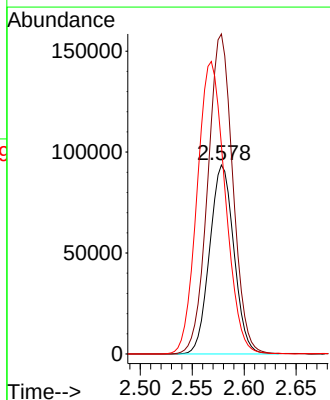
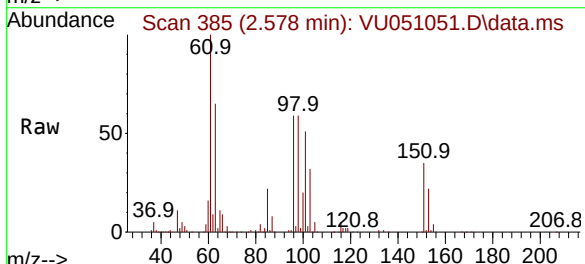
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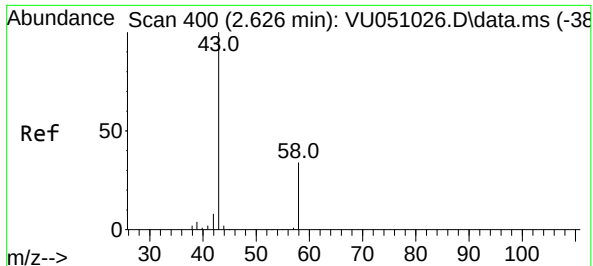
Tgt Ion:101 Resp: 153045
Ion Ratio Lower Upper
101 100
85 43.0 34.6 52.0
151 69.0 58.6 87.8



#12
1,1-Dichloroethene
Concen: 46.173 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion: 96 Resp: 151898
Ion Ratio Lower Upper
96 100
61 169.3 113.0 209.9
63 110.5 91.7 170.3





#13

Acetone

Concen: 95.783 ug/L

RT: 2.639 min Scan# 404

Delta R.T. 0.013 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

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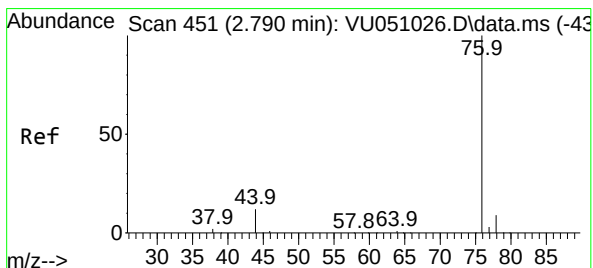
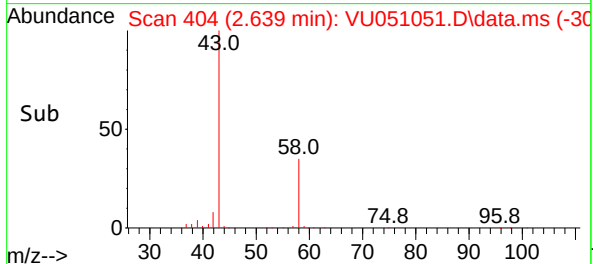
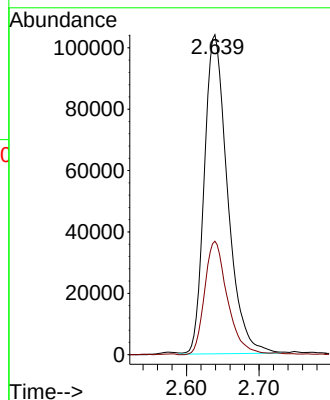
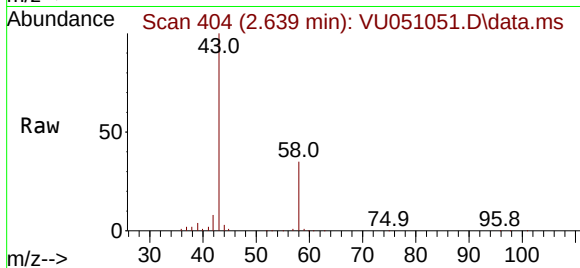
E10042MSD

Tgt Ion: 43 Resp: 231930

Ion Ratio Lower Upper

43 100

58 34.9 0.0 73.6



#14

Carbon disulfide

Concen: 47.382 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051051.D

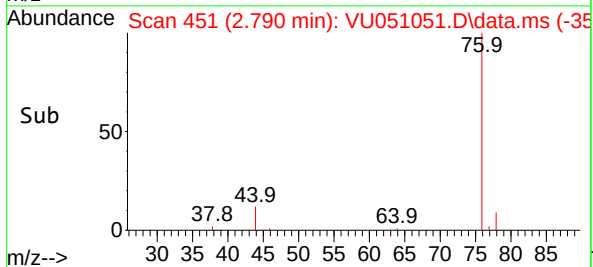
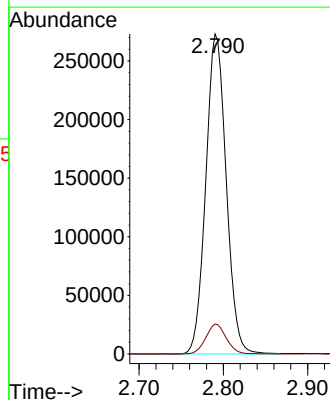
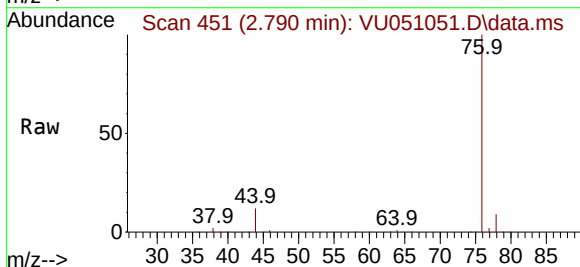
Acq: 30 Sep 2022 22:00

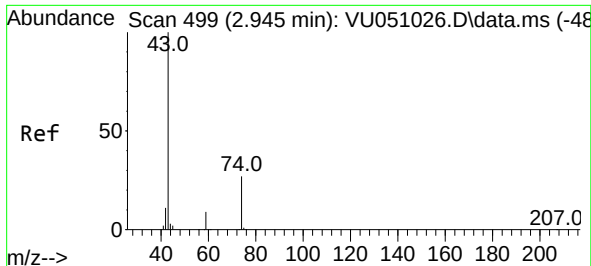
Tgt Ion: 76 Resp: 460767

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

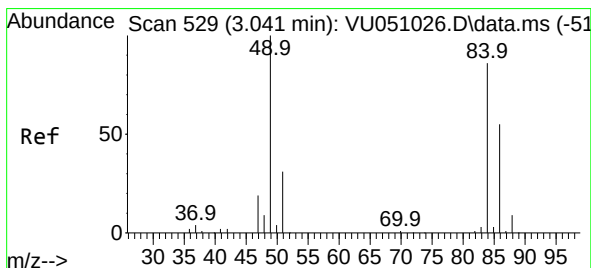
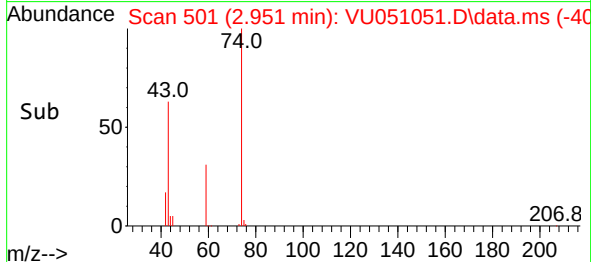
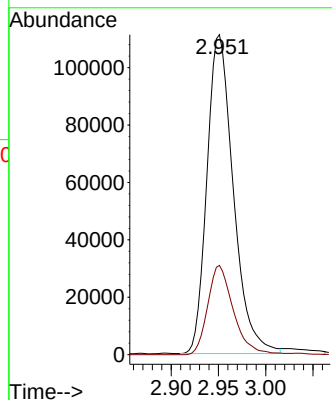
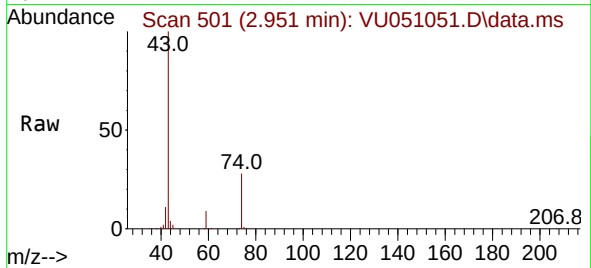




#15
Methyl Acetate
Concen: 48.745 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

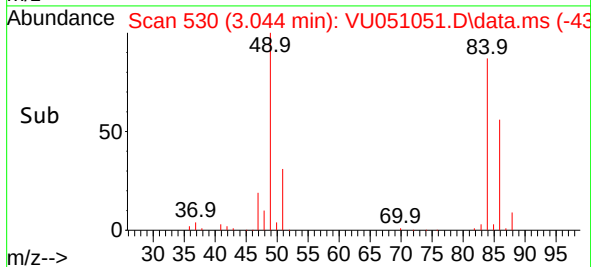
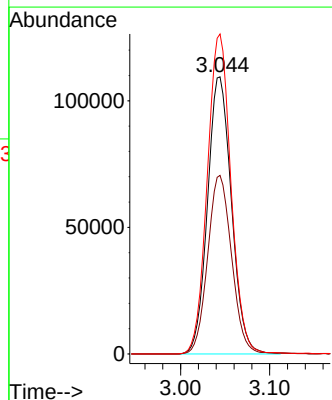
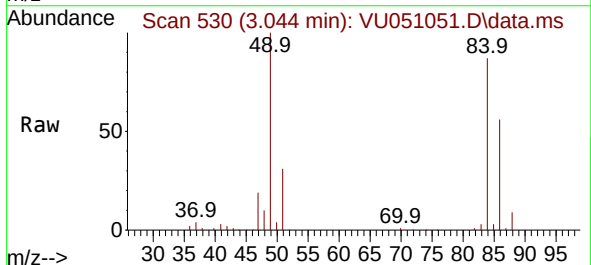
Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

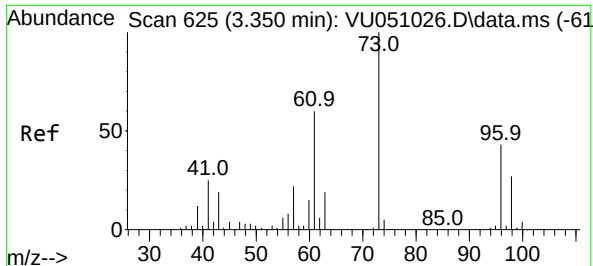
Tgt Ion: 43 Resp: 215489
Ion Ratio Lower Upper
43 100
74 27.2 22.4 33.6



#16
Methylene chloride
Concen: 43.290 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion: 84 Resp: 204443
Ion Ratio Lower Upper
84 100
86 64.4 45.4 84.4
49 115.5 78.3 145.3





#17

trans-1,2-Dichloroethene

Concen: 47.888 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

E10042MSD

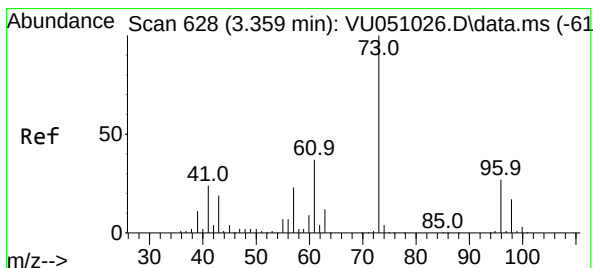
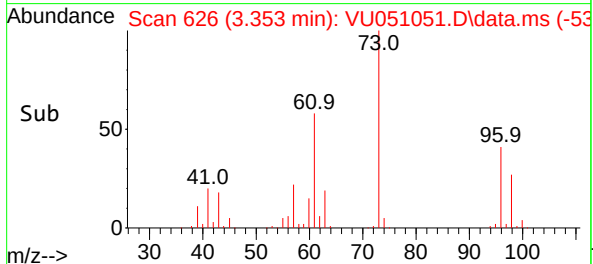
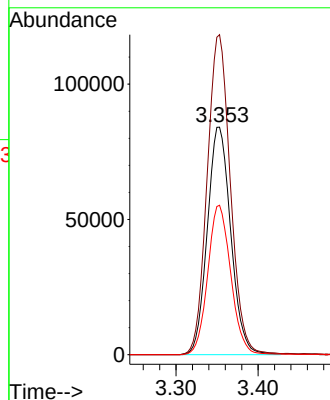
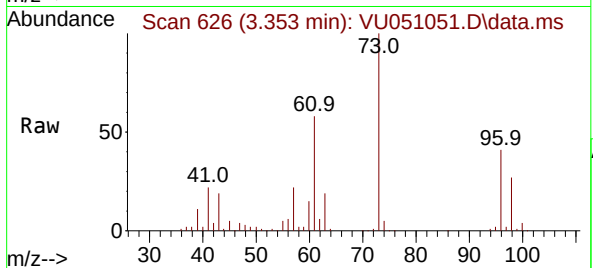
Tgt Ion: 96 Resp: 167603

Ion Ratio Lower Upper

96 100

61 140.7 95.1 176.5

98 65.7 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 53.948 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

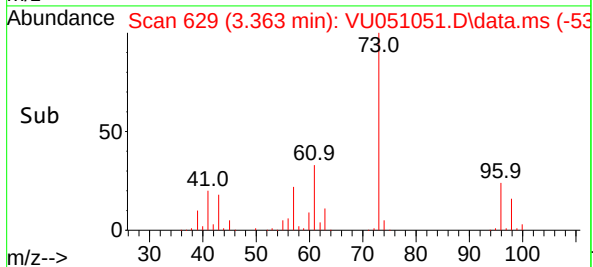
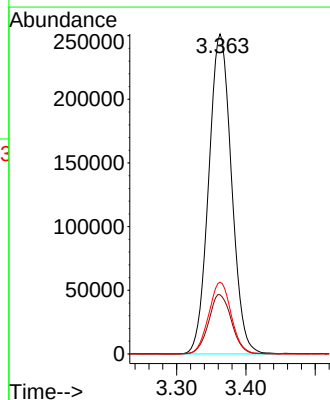
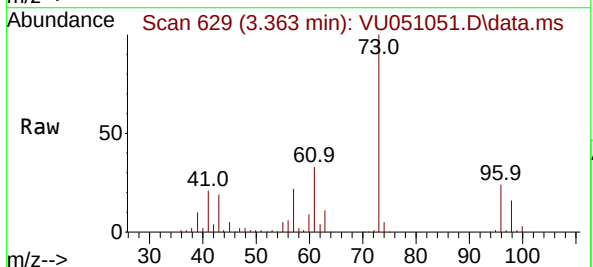
Tgt Ion: 73 Resp: 573794

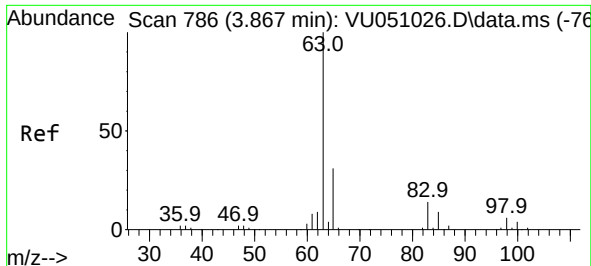
Ion Ratio Lower Upper

73 100

43 18.8 14.7 22.1

57 22.3 17.5 26.3





#19

1,1-Dichloroethane

Concen: 50.217 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

E10042MSD

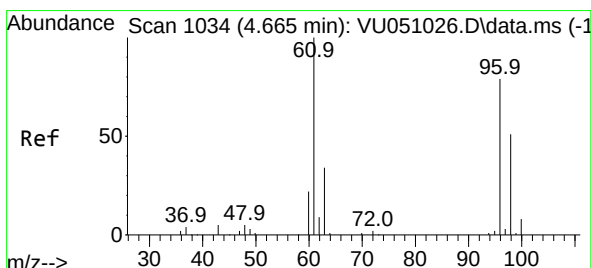
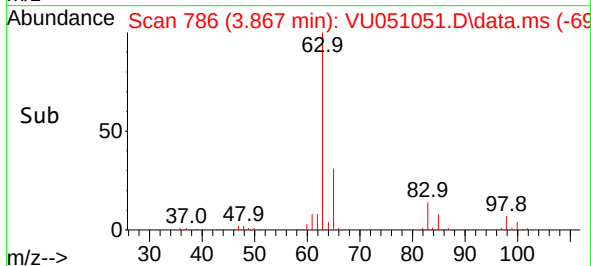
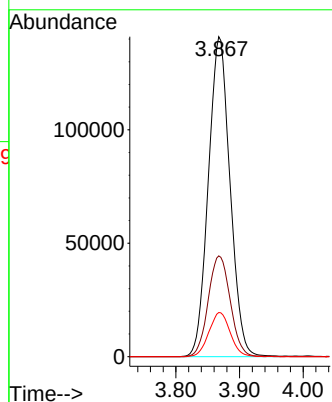
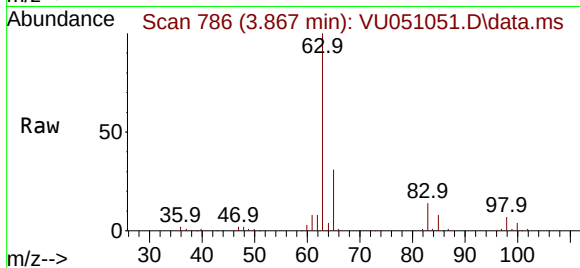
Tgt Ion: 63 Resp: 333852

Ion Ratio Lower Upper

63 100

65 31.5 22.6 42.0

83 13.8 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 50.657 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

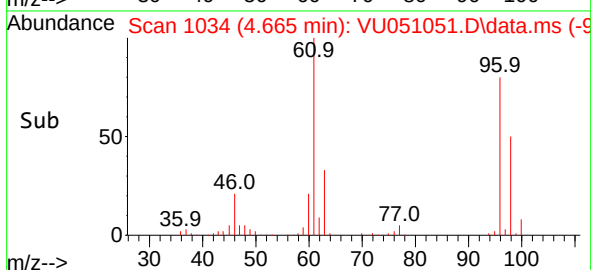
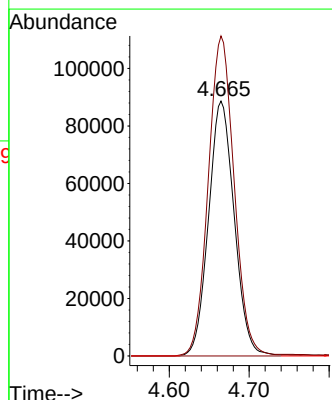
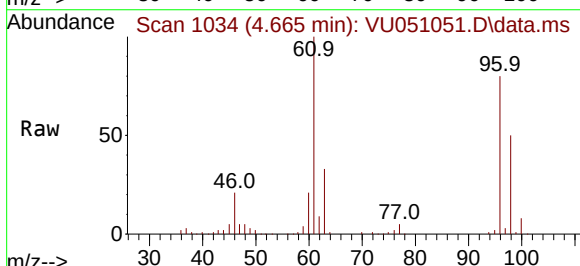
Tgt Ion: 96 Resp: 197955

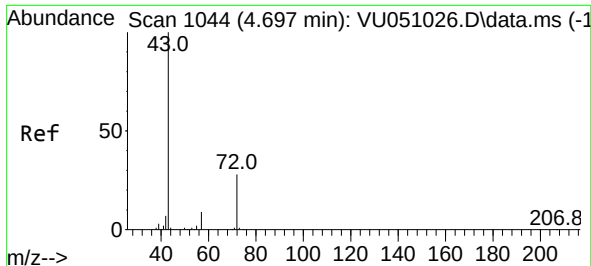
Ion Ratio Lower Upper

96 100

61 125.5 85.4 158.6

68 0.0 0.0 0.0

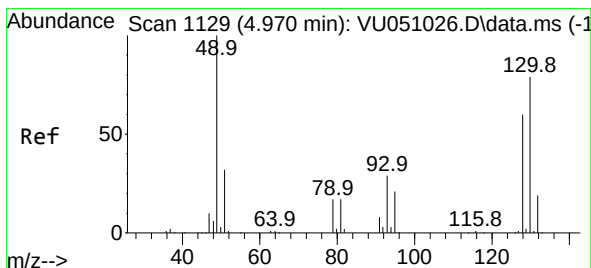
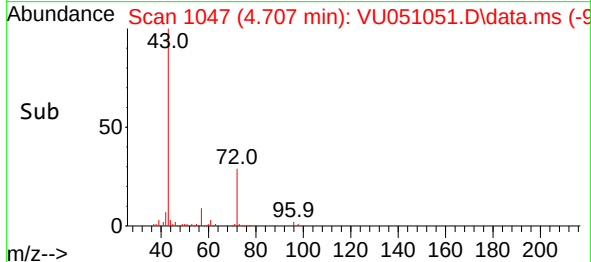
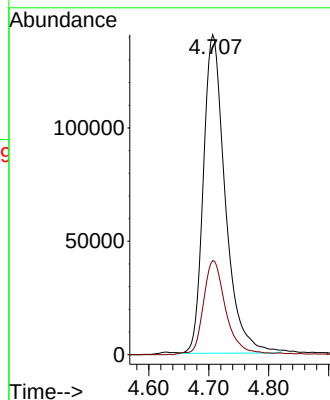
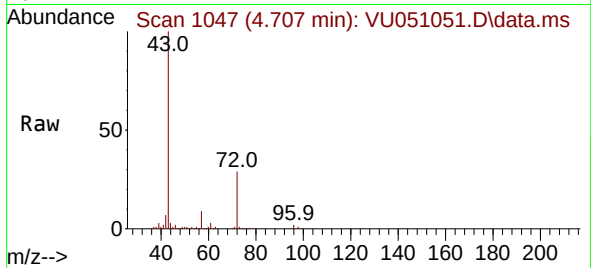




#22
2-Butanone
Concen: 106.778 ug/L
RT: 4.707 min Scan# 110
Delta R.T. 0.010 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

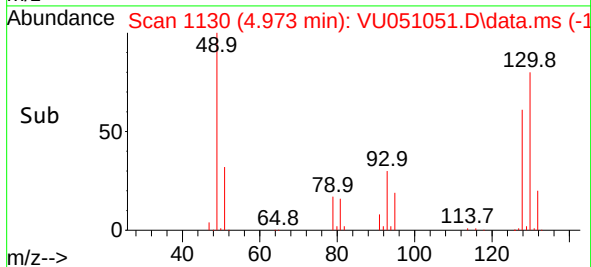
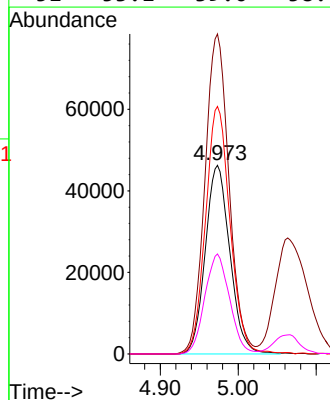
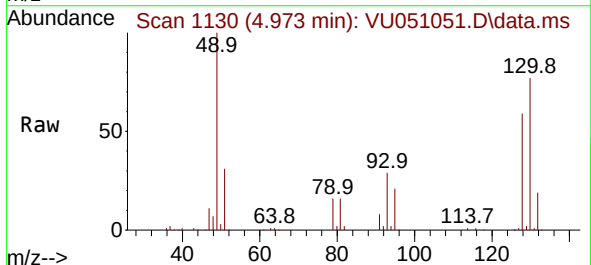
Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

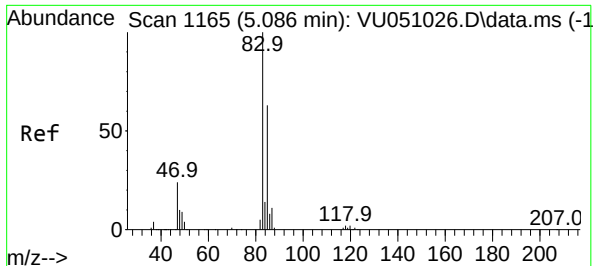
Tgt Ion: 43 Resp: 357226
Ion Ratio Lower Upper
43 100
72 29.2 15.8 47.4



#23
Bromochloromethane
Concen: 47.291 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion:128 Resp: 101256
Ion Ratio Lower Upper
128 100
49 169.6 106.9 198.5
130 131.2 86.2 160.0
51 53.1 39.0 58.4





#25

Chloroform

Concen: 49.004 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

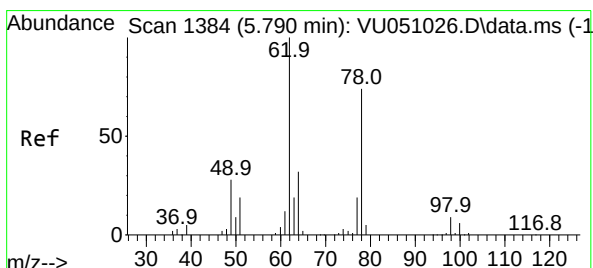
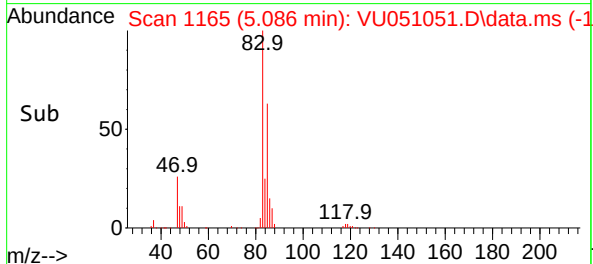
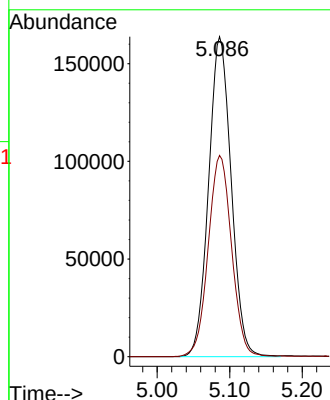
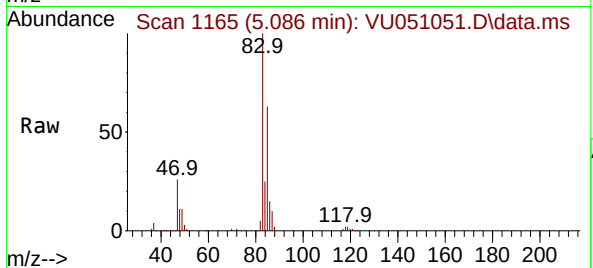
E10042MSD

Tgt Ion: 83 Resp: 354366

Ion Ratio Lower Upper

83 100

85 62.9 45.7 84.9



#27

1,2-Dichloroethane

Concen: 50.018 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU051051.D

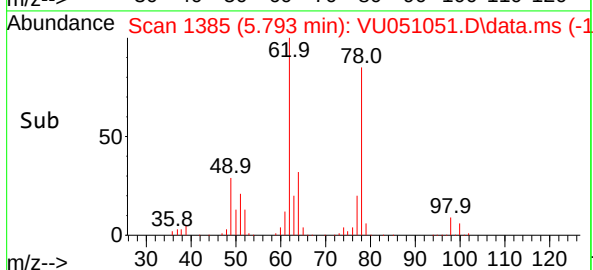
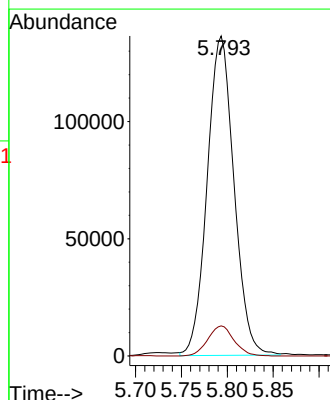
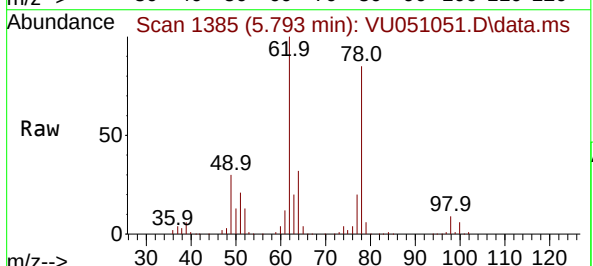
Acq: 30 Sep 2022 22:00

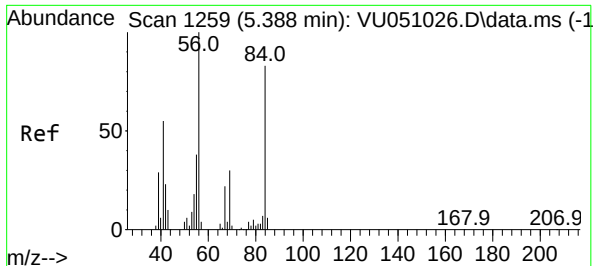
Tgt Ion: 62 Resp: 277072

Ion Ratio Lower Upper

62 100

98 9.4 7.3 10.9





#29

Cyclohexane

Concen: 56.567 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

E10042MSD

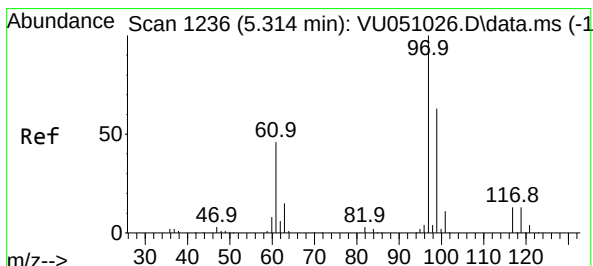
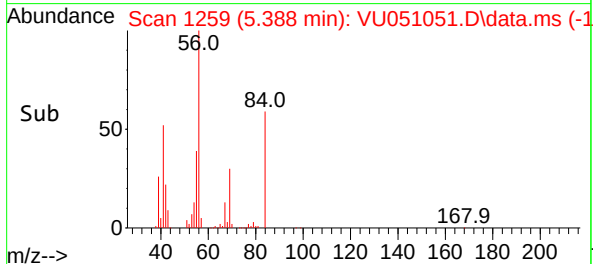
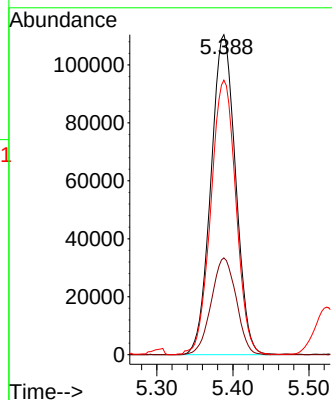
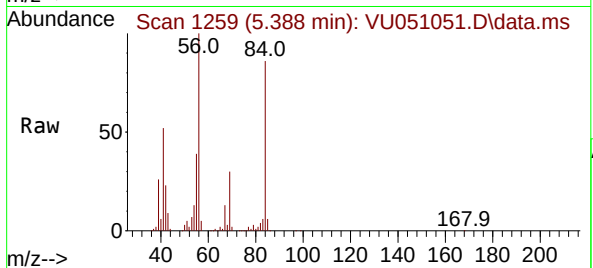
Tgt Ion: 56 Resp: 249054

Ion Ratio Lower Upper

56 100

69 30.5 24.8 37.2

84 87.0 71.8 107.6



#30

1,1,1-Trichloroethane

Concen: 51.846 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

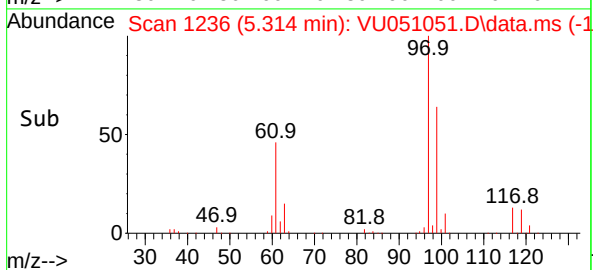
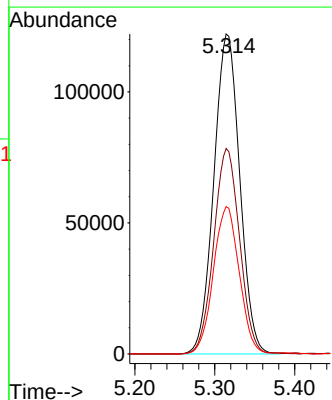
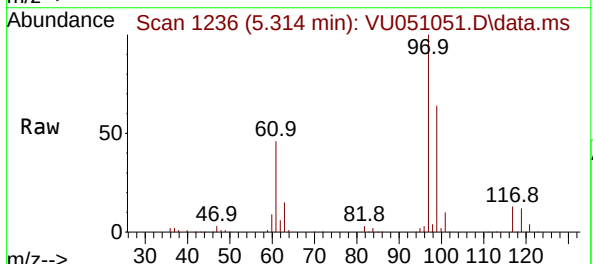
Tgt Ion: 97 Resp: 274942

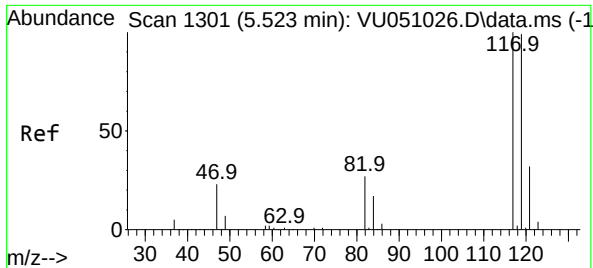
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.2

61 46.0 36.0 54.0

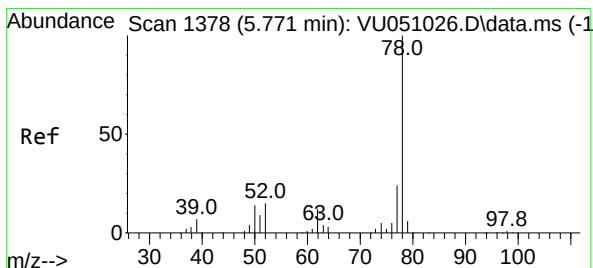
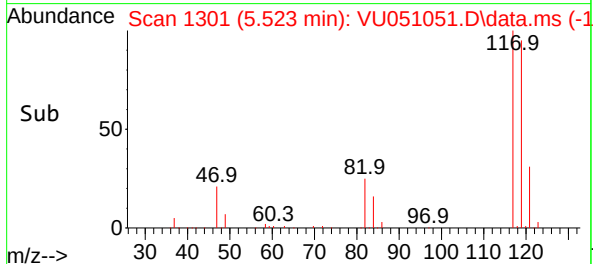
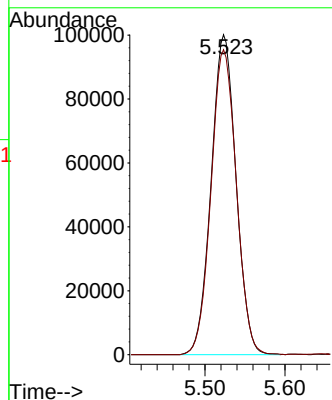
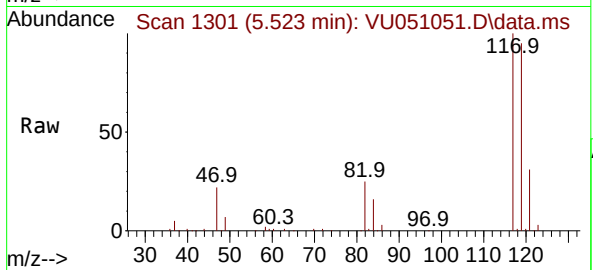




#31
Carbon tetrachloride
Concen: 49.965 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

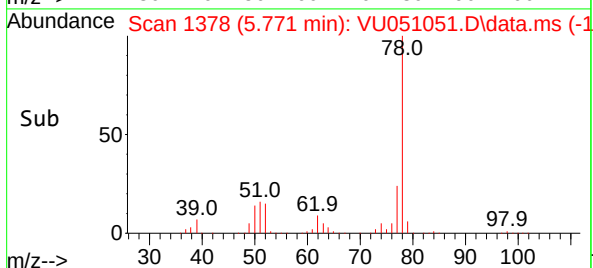
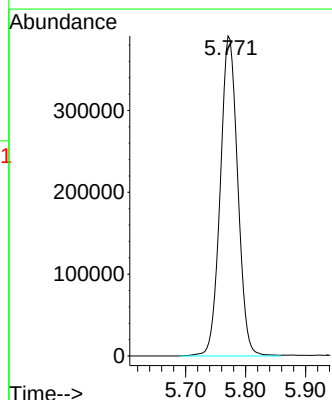
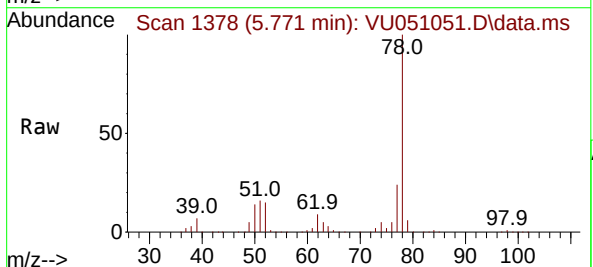
Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

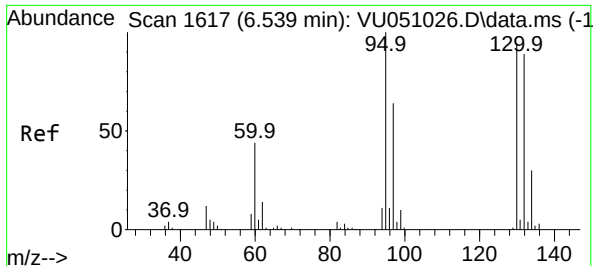
Tgt Ion:117 Resp: 216187
Ion Ratio Lower Upper
117 100
119 97.0 75.7 113.5



#33
Benzene
Concen: 57.227 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion: 78 Resp: 788896

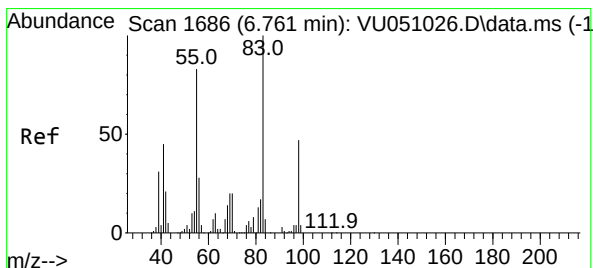
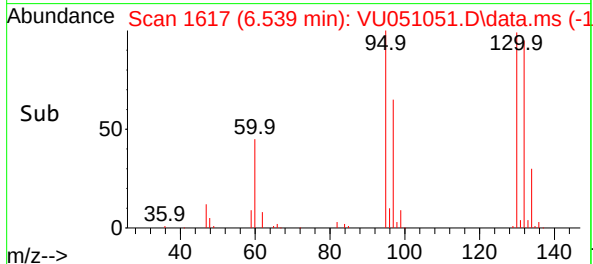
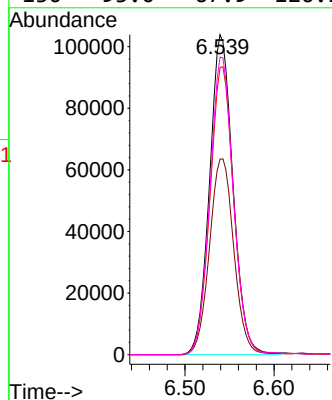
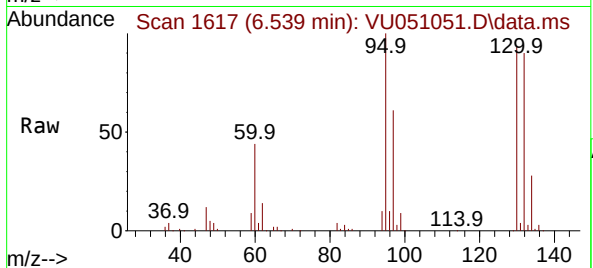




#34
Trichloroethene
Concen: 53.161 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

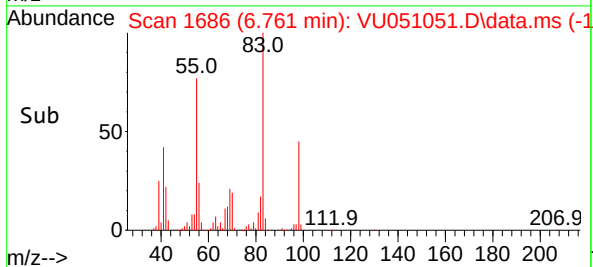
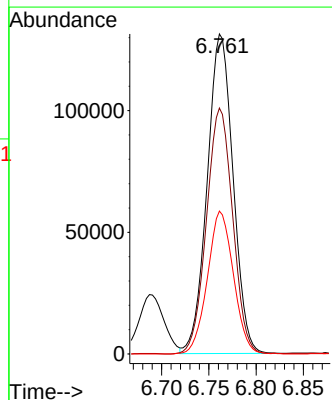
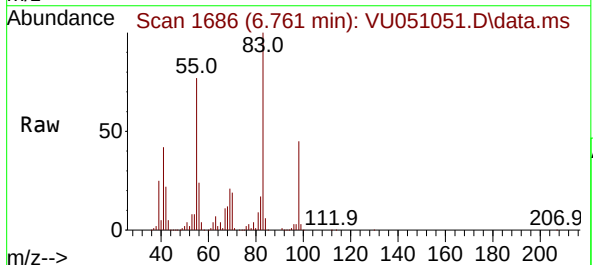
Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

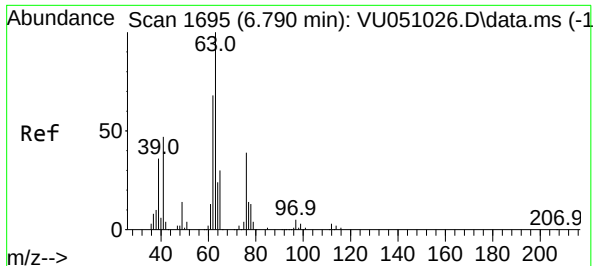
Tgt Ion: 95 Resp: 189813
Ion Ratio Lower Upper
95 100
97 61.1 45.9 85.3
132 89.7 64.0 119.0
130 93.0 67.9 126.1



#35
Methylcyclohexane
Concen: 51.515 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion: 83 Resp: 250346
Ion Ratio Lower Upper
83 100
55 77.9 59.3 88.9
98 44.9 36.0 54.0





#37

1,2-Dichloropropane

Concen: 58.022 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

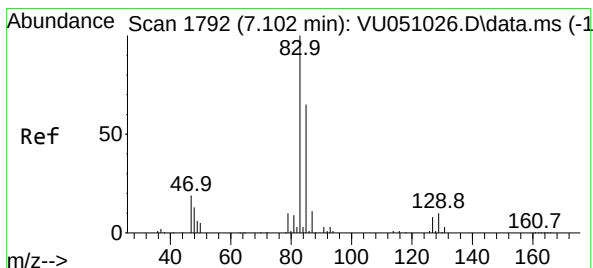
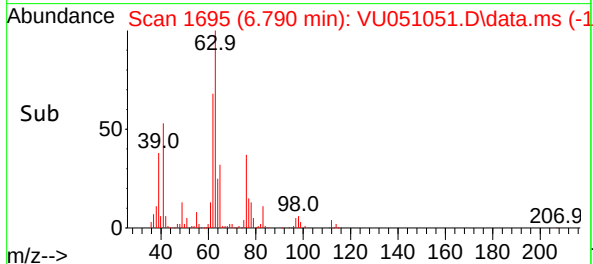
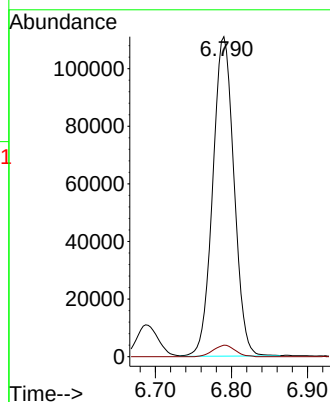
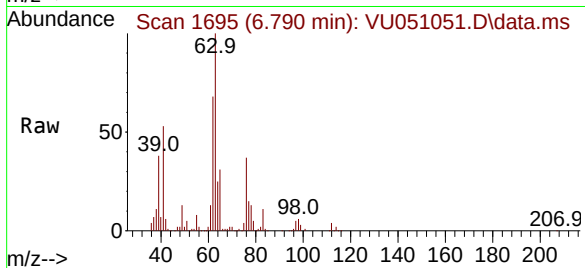
E10042MSD

Tgt Ion: 63 Resp: 215394

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



#38

Bromodichloromethane

Concen: 53.950 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

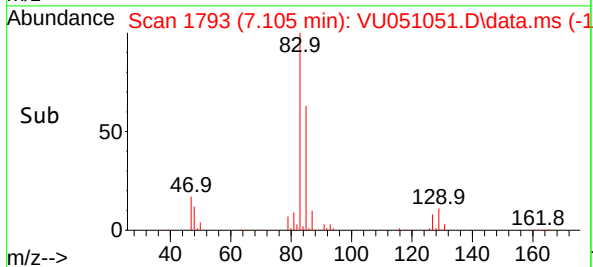
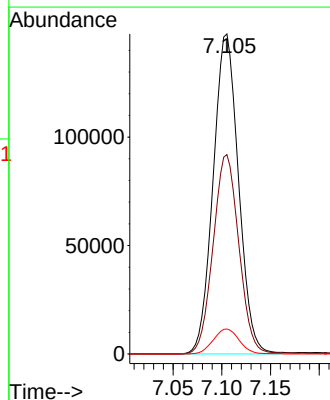
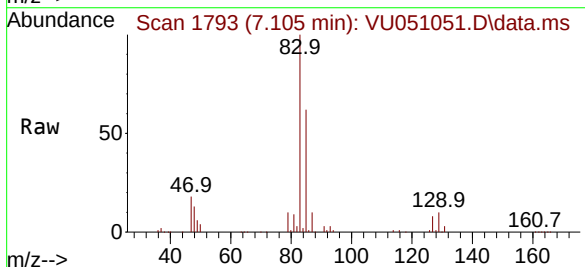
Tgt Ion: 83 Resp: 267279

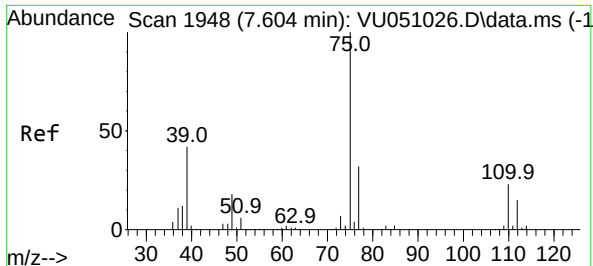
Ion Ratio Lower Upper

83 100

85 62.3 45.1 83.7

127 7.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 56.071 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

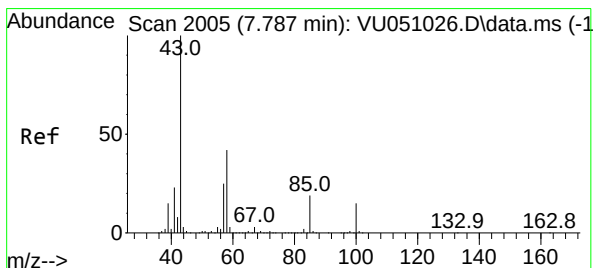
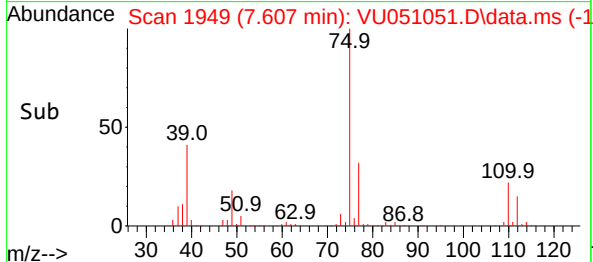
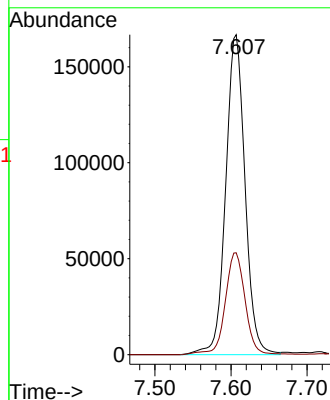
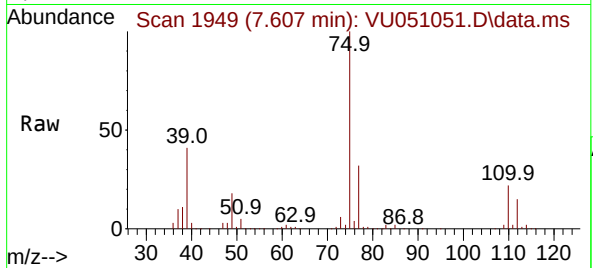
E10042MSD

Tgt Ion: 75 Resp: 294784

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 123.050 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

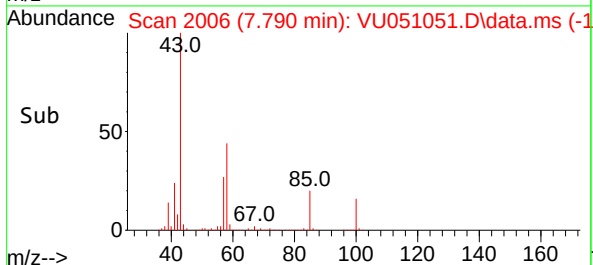
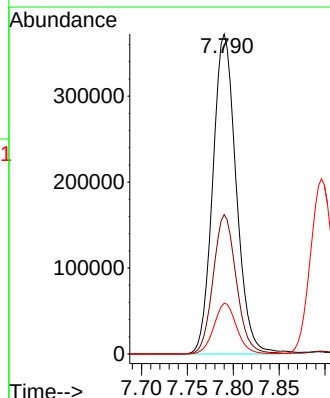
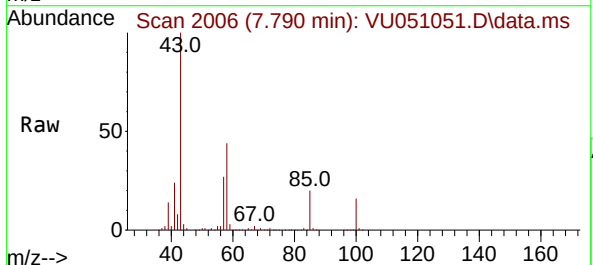
Tgt Ion: 43 Resp: 661530

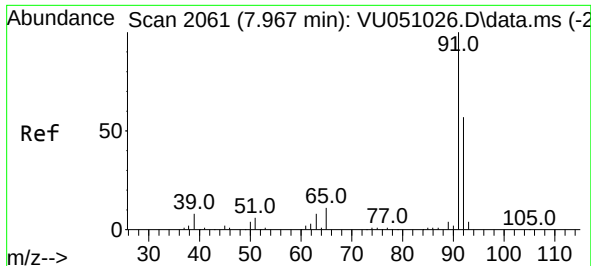
Ion Ratio Lower Upper

43 100

58 43.2 35.0 52.4

100 15.5 13.3 19.9





#42

Toluene

Concen: 55.664 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

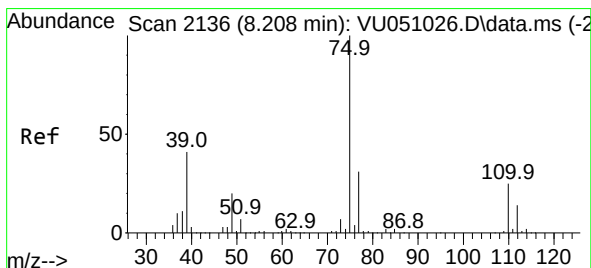
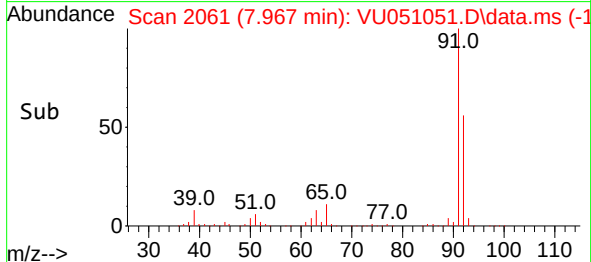
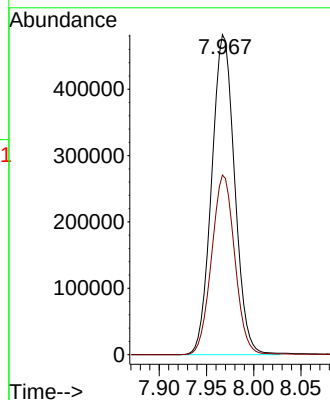
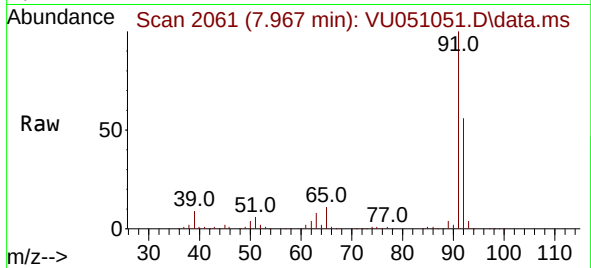
E10042MSD

Tgt Ion: 91 Resp: 816205

Ion Ratio Lower Upper

91 100

92 56.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 53.207 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051051.D

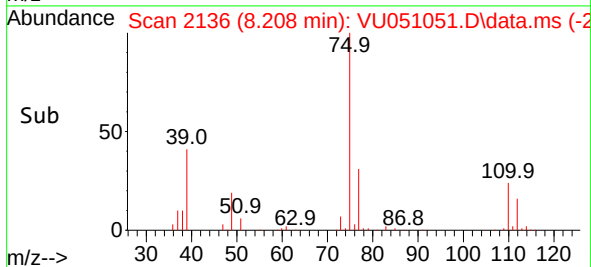
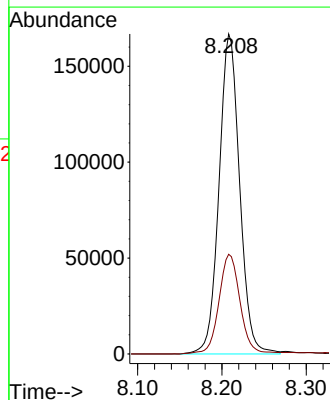
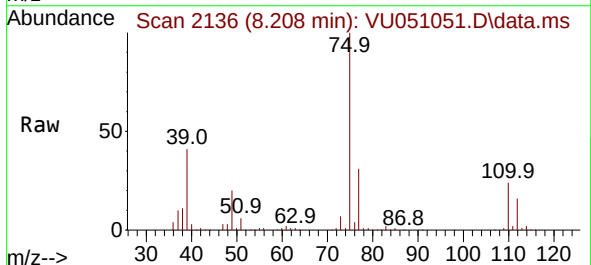
Acq: 30 Sep 2022 22:00

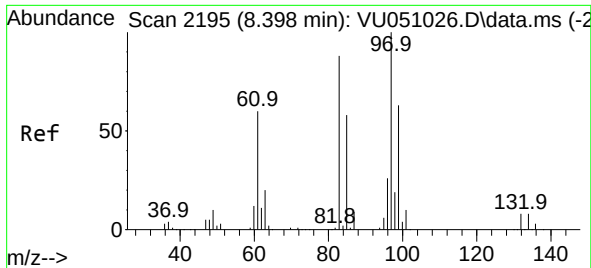
Tgt Ion: 75 Resp: 282837

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.3



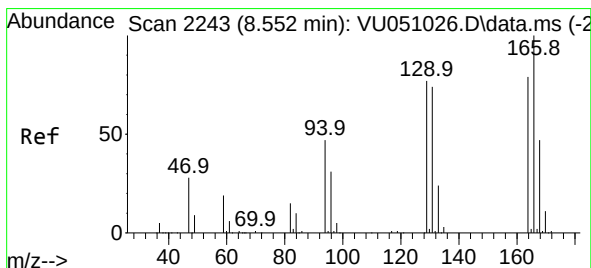
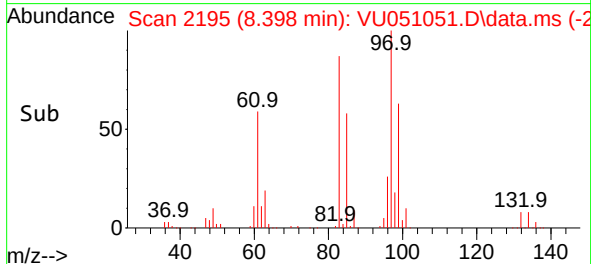
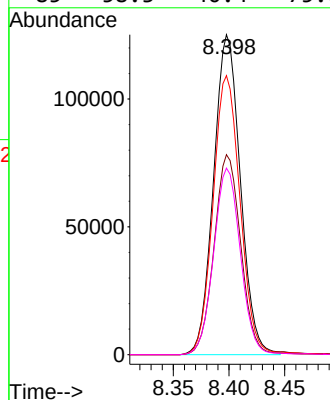
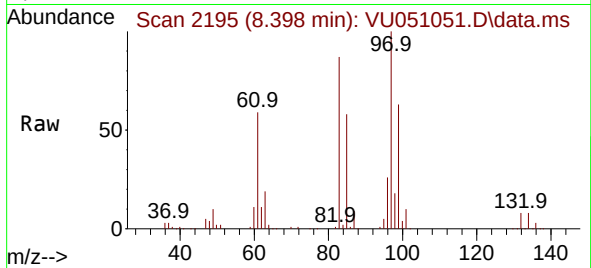


#45
1,1,2-Trichloroethane
Concen: 52.181 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

Tgt Ion: 97 Resp: 209824

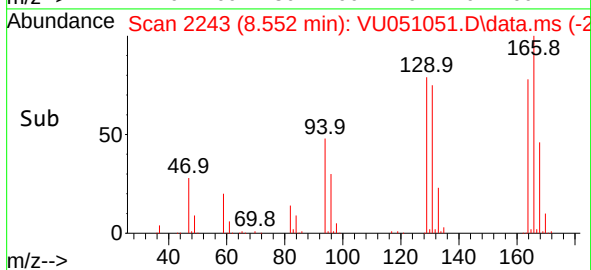
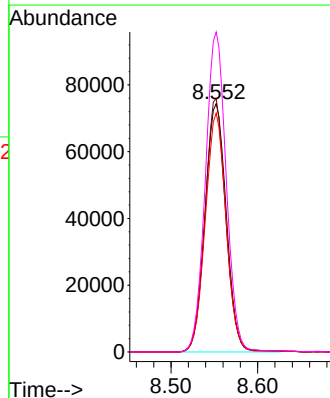
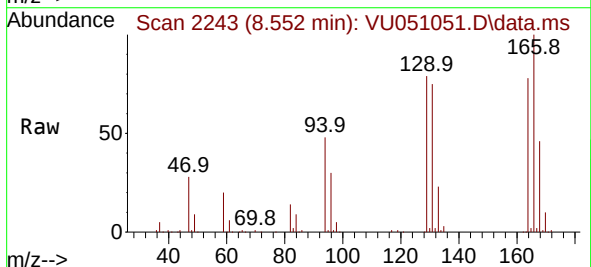
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.4	82.4
83	87.2	61.7	114.5
85	58.3	40.4	75.0

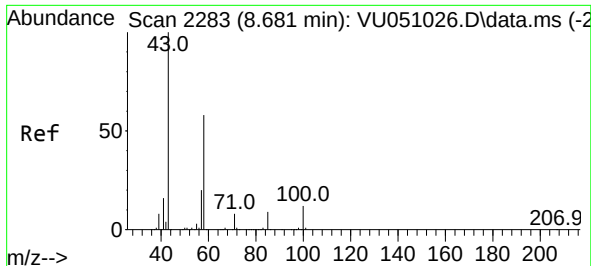


#46
Tetrachloroethene
Concen: 47.028 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion: 164 Resp: 127252

Ion	Ratio	Lower	Upper
164	100		
129	102.0	68.1	126.5
131	96.1	67.8	126.0
166	128.9	90.5	168.1

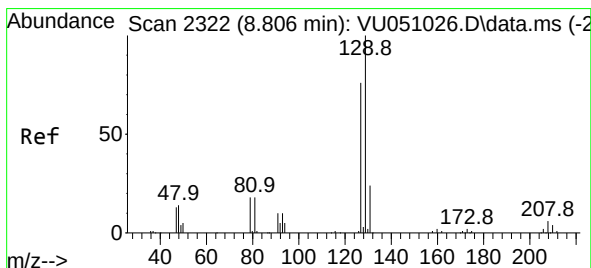
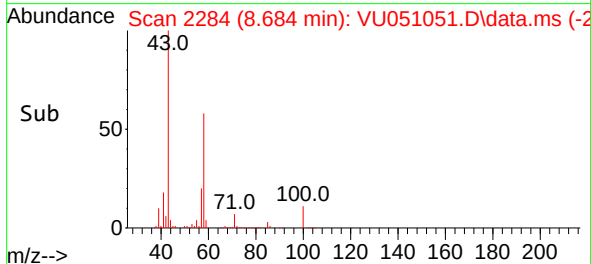
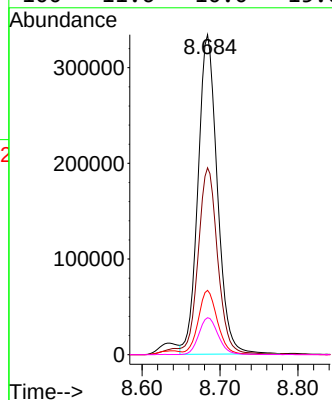
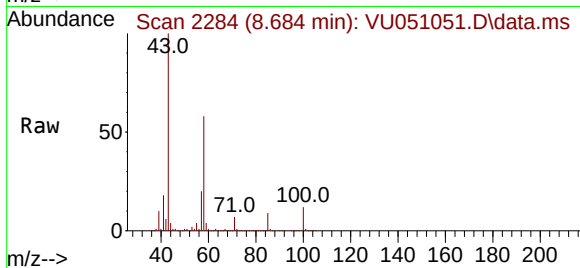




#48
2-Hexanone
Concen: 117.829 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

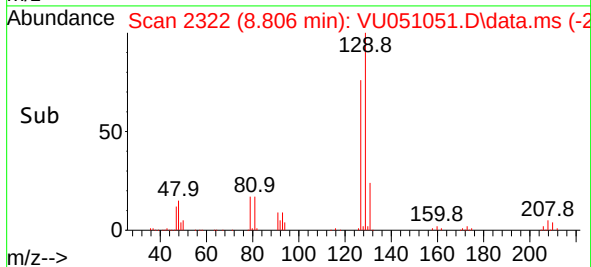
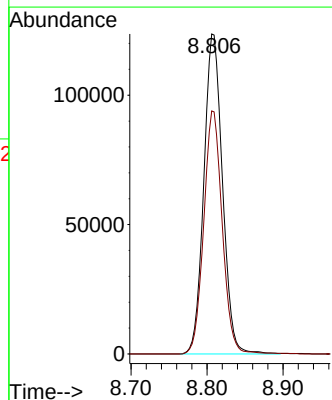
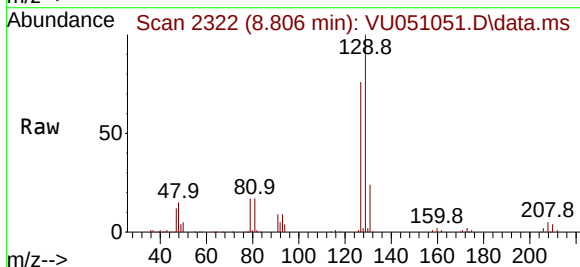
Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

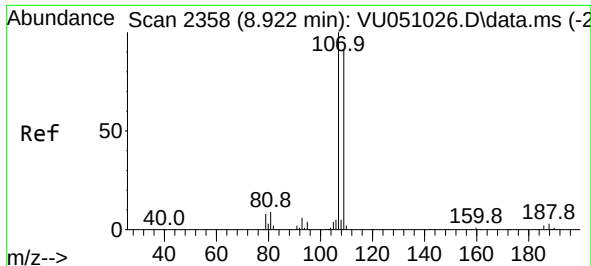
Tgt Ion: 43 Resp: 575365
Ion Ratio Lower Upper
43 100
58 58.7 48.3 72.5
57 20.0 15.9 23.9
100 11.6 10.0 15.0



#49
Dibromochloromethane
Concen: 49.820 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion: 129 Resp: 210623
Ion Ratio Lower Upper
129 100
127 75.9 52.8 98.0





#50

1,2-Dibromoethane

Concen: 50.472 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

E10042MSD

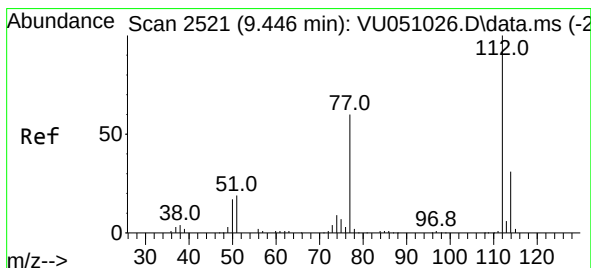
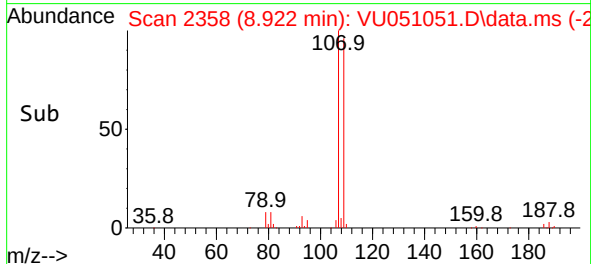
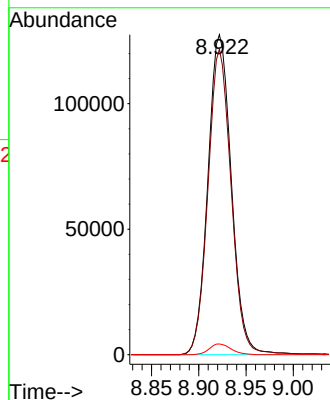
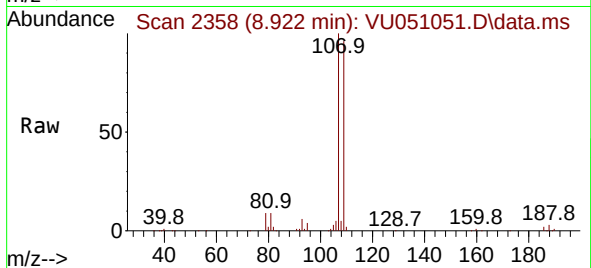
Tgt Ion:107 Resp: 220042

Ion Ratio Lower Upper

107 100

109 95.5 64.1 119.1

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 49.131 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

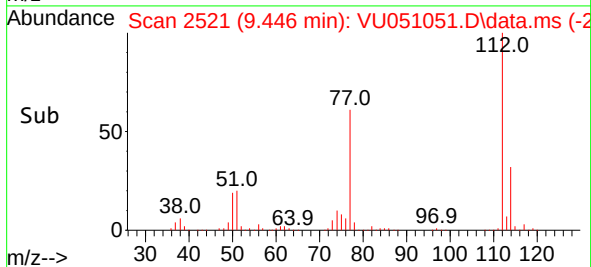
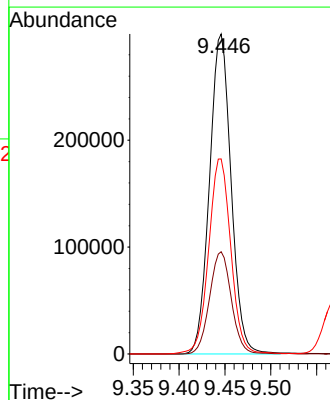
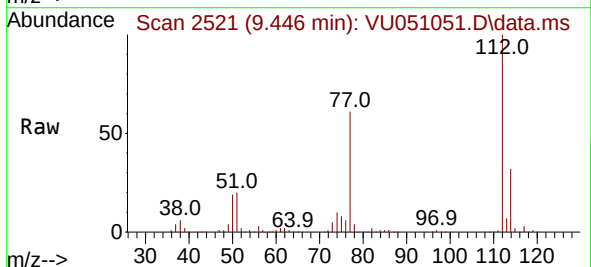
Tgt Ion:112 Resp: 489912

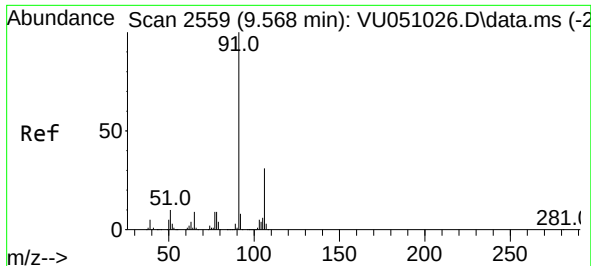
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 61.0 48.2 72.2

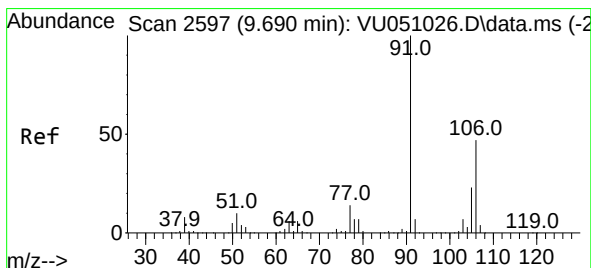
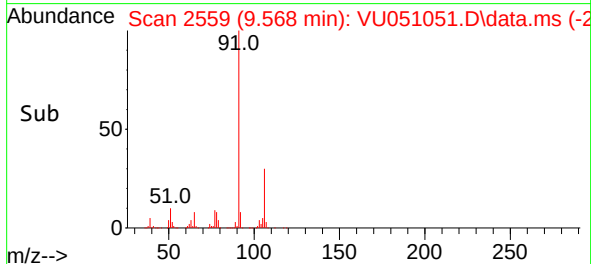
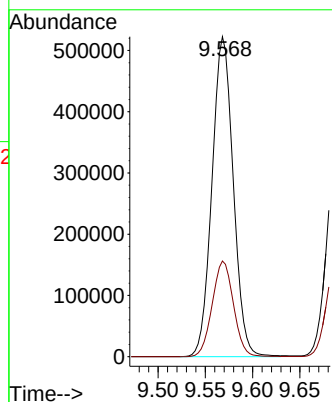
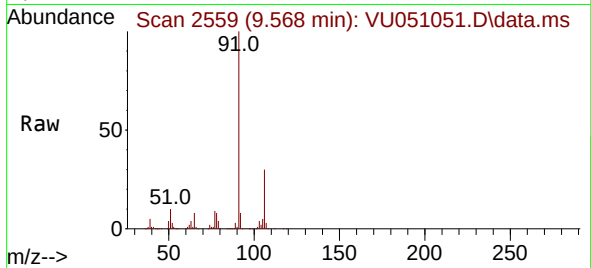




#52
Ethylbenzene
Concen: 52.246 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

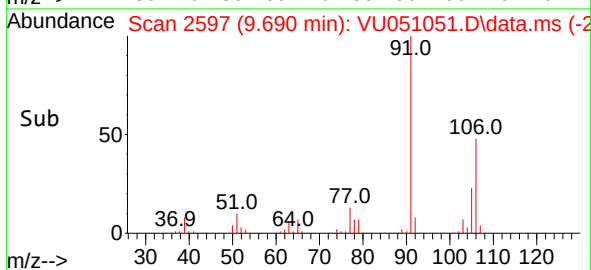
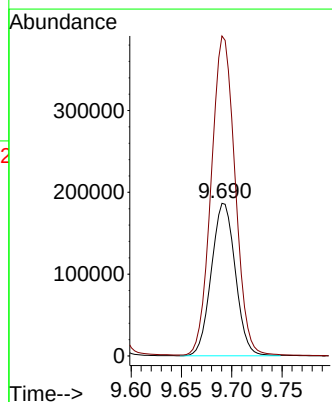
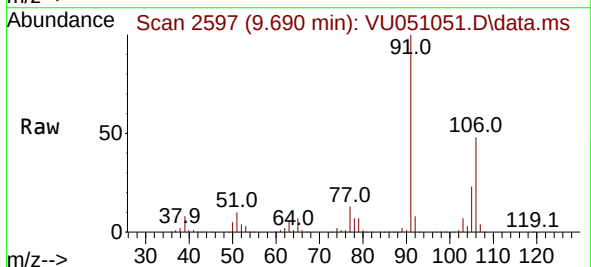
Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

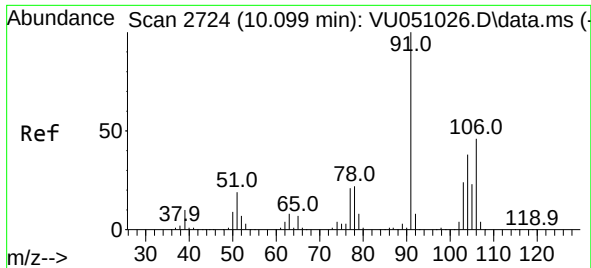
Tgt Ion: 91 Resp: 817150
Ion Ratio Lower Upper
91 100
106 29.9 21.7 40.3



#53
m,p-Xylene
Concen: 52.624 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion: 106 Resp: 309509
Ion Ratio Lower Upper
106 100
91 209.6 141.9 263.5

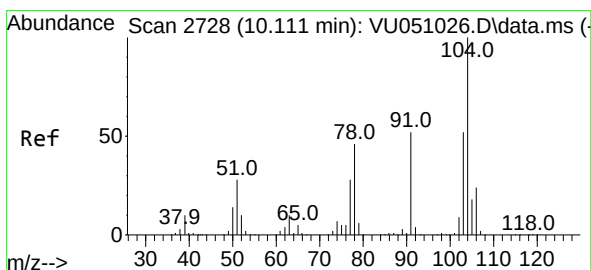
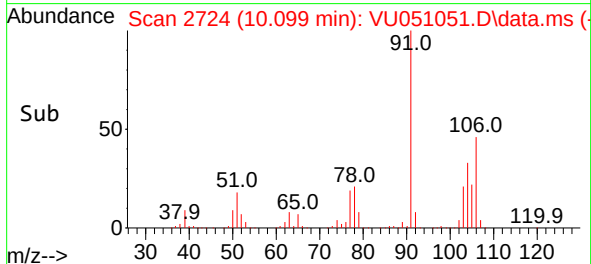
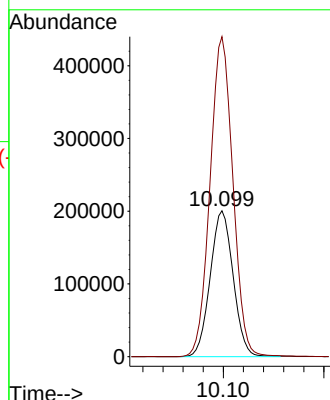
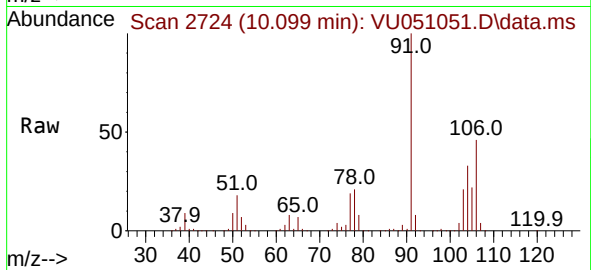




#54
o-Xylene
Concen: 54.175 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

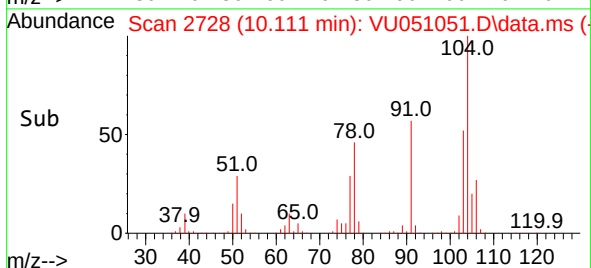
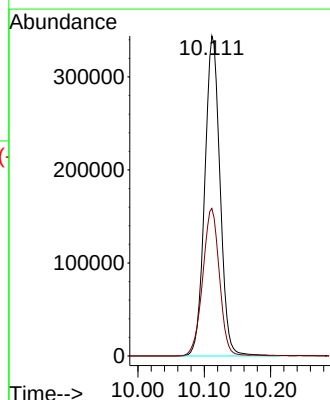
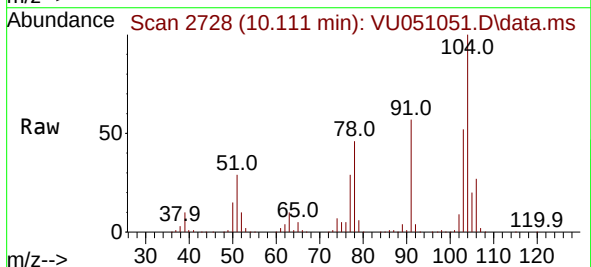
Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

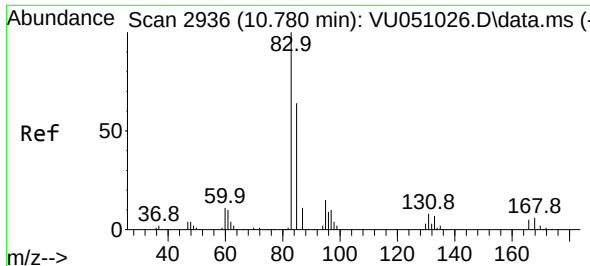
Tgt Ion:106 Resp: 318484
Ion Ratio Lower Upper
106 100
91 219.3 152.4 283.0



#55
Styrene
Concen: 54.318 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion:104 Resp: 551899
Ion Ratio Lower Upper
104 100
78 46.1 31.0 57.6

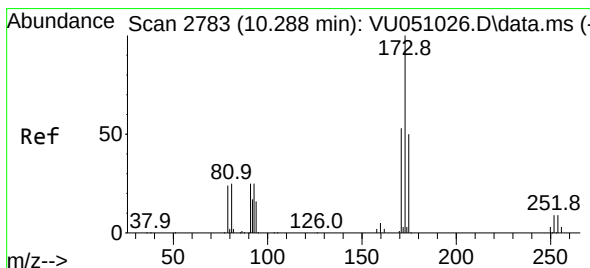
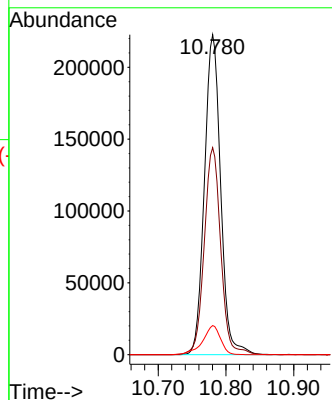
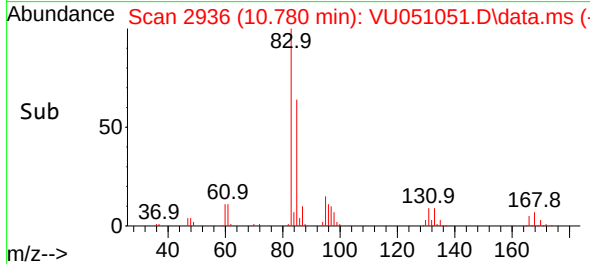
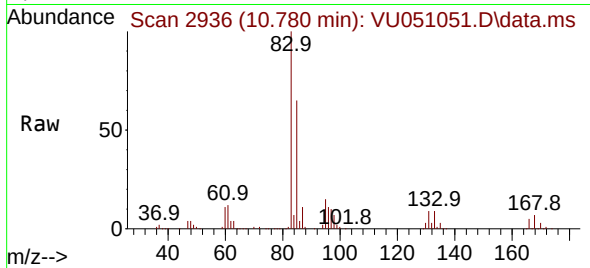




#57
 1,1,2,2-Tetrachloroethane
 Concen: 51.908 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VU051051.D
 Acq: 30 Sep 2022 22:00

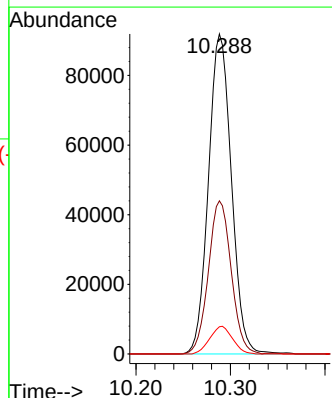
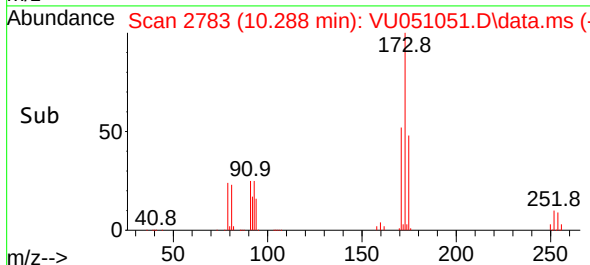
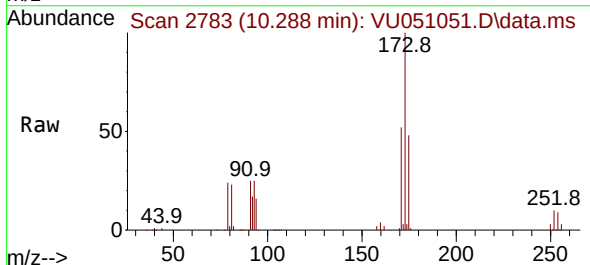
Instrument :
 MSVOA_U
 ClientSampleId :
 E10042MSD

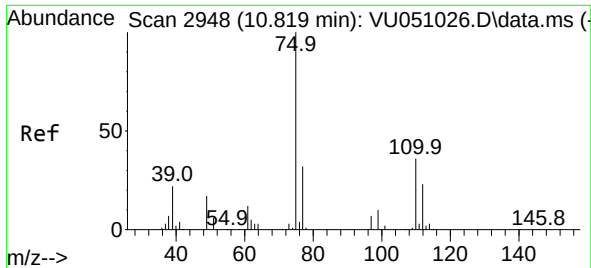
Tgt Ion: 83 Resp: 369400
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.7 83.1
 131 9.1 7.0 10.4



#59
 Bromoform
 Concen: 47.675 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.000 min
 Lab File: VU051051.D
 Acq: 30 Sep 2022 22:00

Tgt Ion: 173 Resp: 154771
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.4 59.0
 254 8.6 7.4 11.0

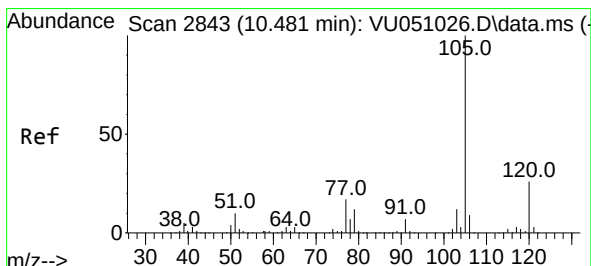
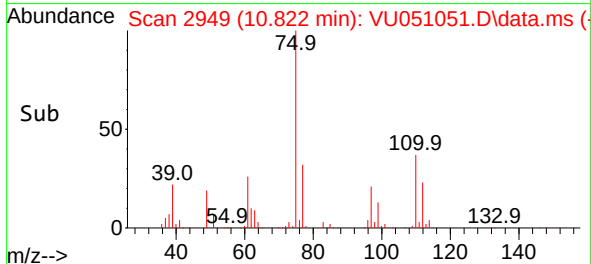
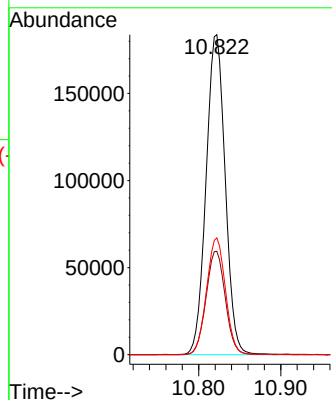
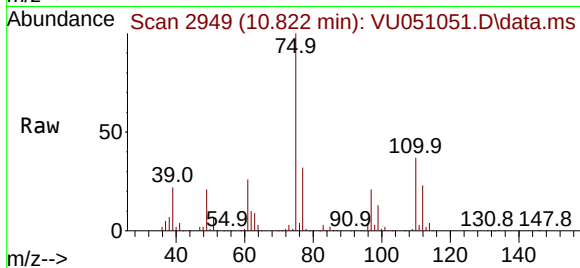




#60
1,2,3-Trichloropropane
Concen: 51.301 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

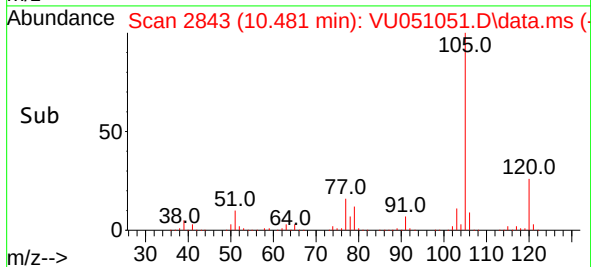
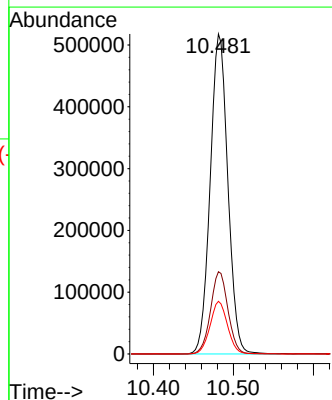
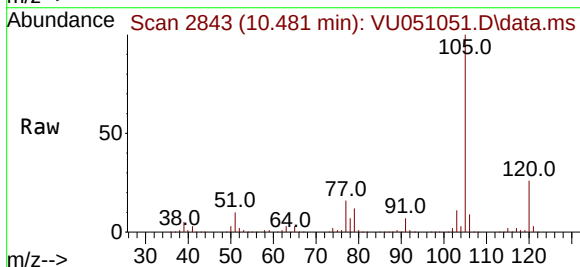
Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

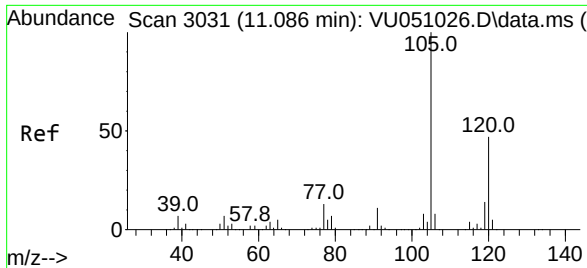
Tgt Ion: 75 Resp: 297866
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
110 36.2 30.0 45.0



#61
Isopropylbenzene
Concen: 55.344 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion: 105 Resp: 793240
Ion Ratio Lower Upper
105 100
120 25.3 21.1 31.7
77 16.3 12.8 19.2

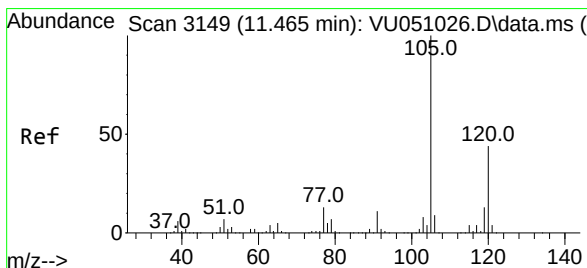
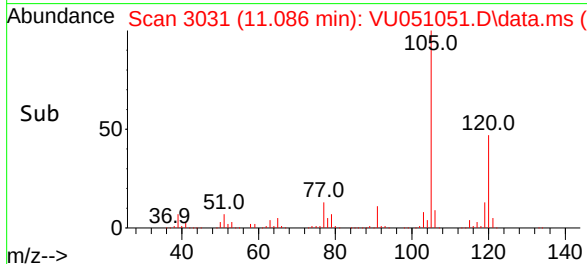
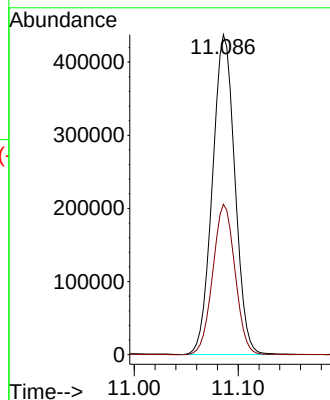
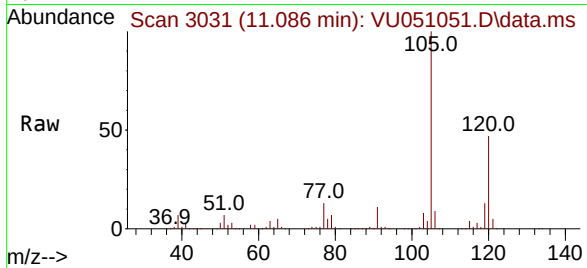




#62
 1,3,5-Trimethylbenzene
 Concen: 56.041 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051051.D
 Acq: 30 Sep 2022 22:00

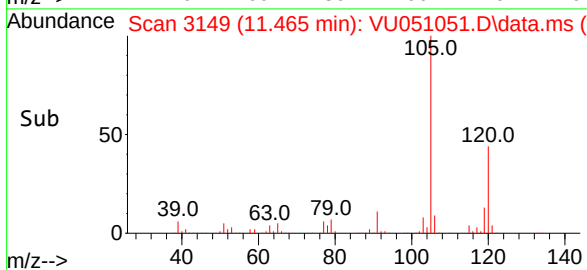
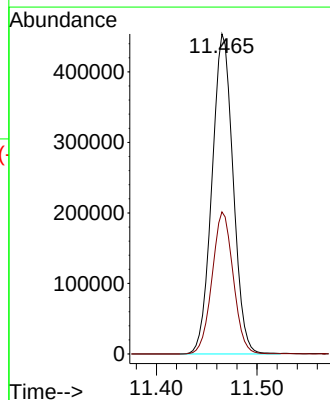
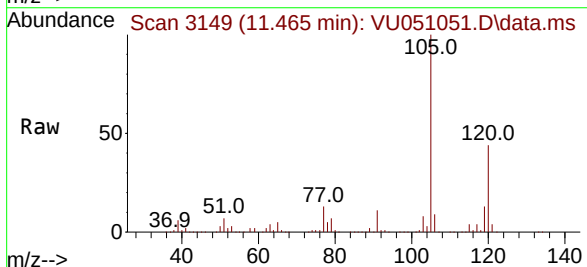
Instrument :
 MSVOA_U
 ClientSampleId :
 E10042MSD

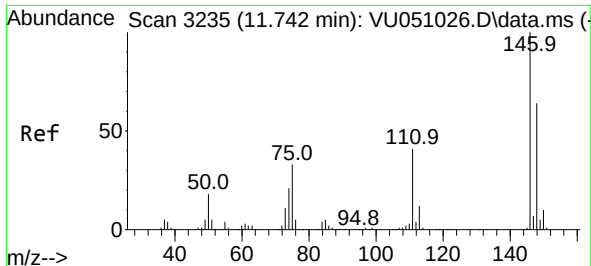
Tgt Ion:105 Resp: 656807
 Ion Ratio Lower Upper
 105 100
 120 46.6 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 56.416 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051051.D
 Acq: 30 Sep 2022 22:00

Tgt Ion:105 Resp: 662690
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.5 53.3

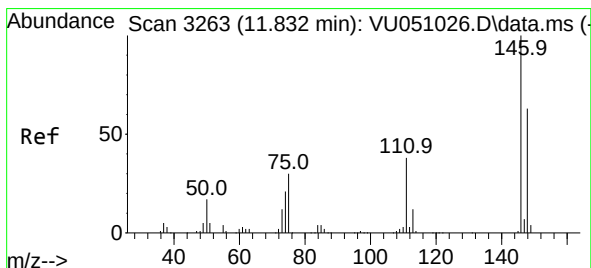
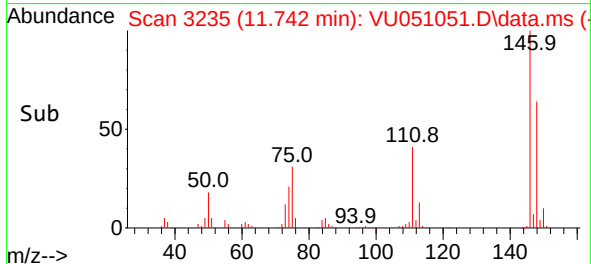
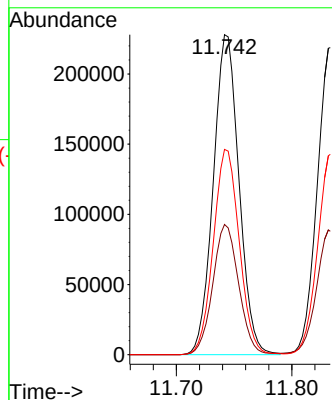
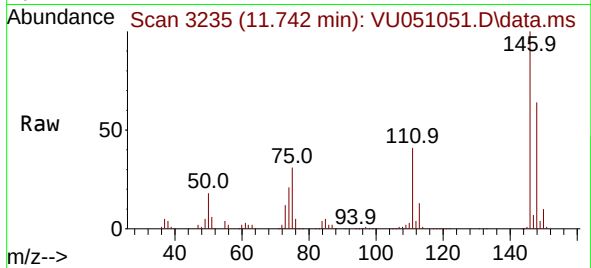




#64
 1,3-Dichlorobenzene
 Concen: 47.738 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU051051.D
 Acq: 30 Sep 2022 22:00

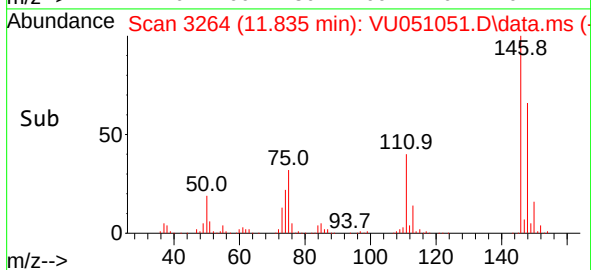
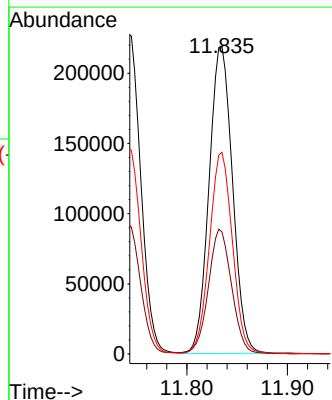
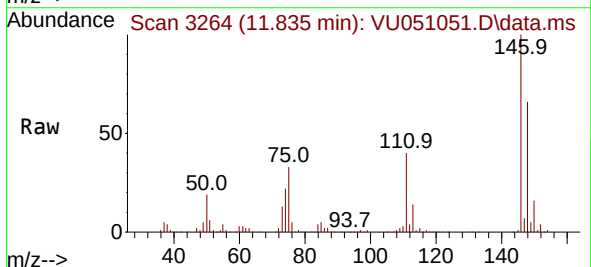
Instrument :
 MSVOA_U
 ClientSampleId :
 E10042MSD

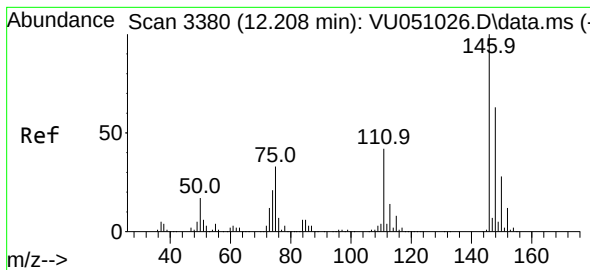
Tgt Ion:146 Resp: 352729
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.2 52.4
 148 64.2 43.5 80.9



#65
 1,4-Dichlorobenzene
 Concen: 48.091 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.003 min
 Lab File: VU051051.D
 Acq: 30 Sep 2022 22:00

Tgt Ion:146 Resp: 355204
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.0 50.2
 148 65.5 45.1 83.9





#67

1,2-Dichlorobenzene

Concen: 49.670 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

E10042MSD

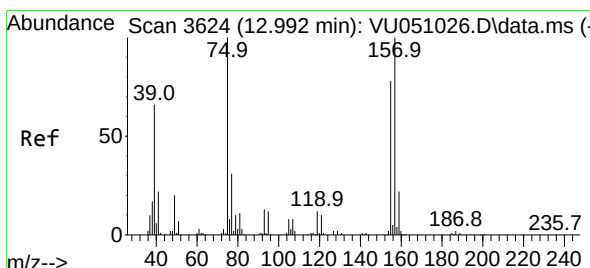
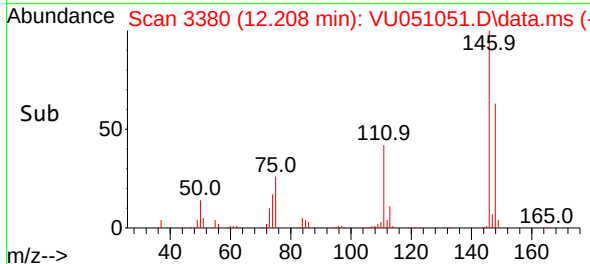
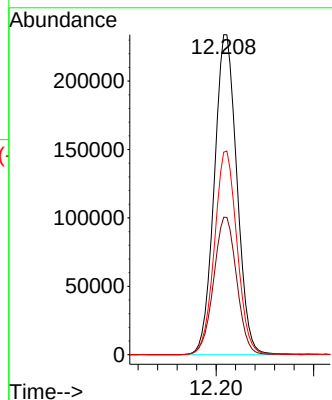
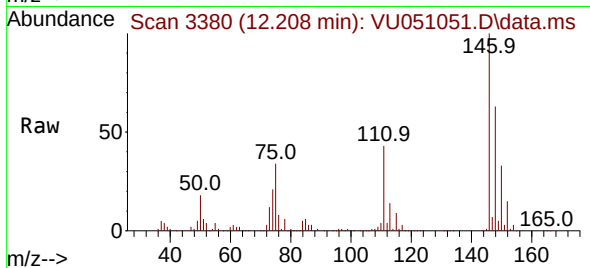
Tgt Ion:146 Resp: 377066

Ion Ratio Lower Upper

146 100

111 43.0 33.7 50.5

148 63.3 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 52.290 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

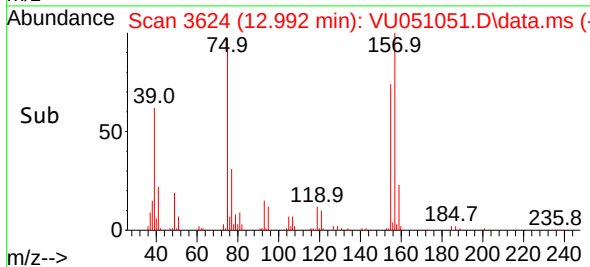
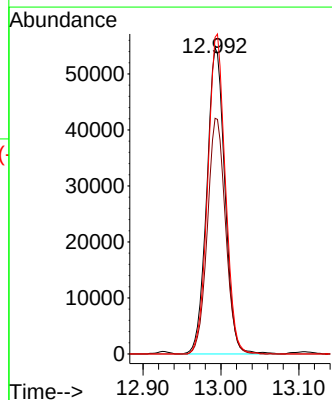
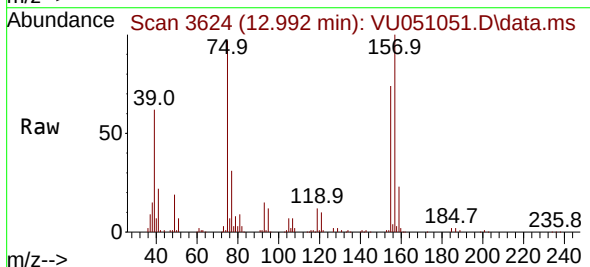
Tgt Ion: 75 Resp: 88599

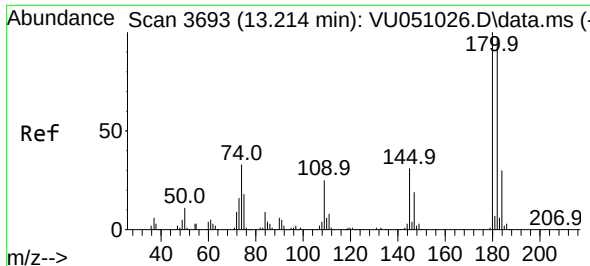
Ion Ratio Lower Upper

75 100

155 77.0 64.4 96.6

157 106.8 82.2 123.2





#69

1,3,5-Trichlorobenzene

Concen: 49.648 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.003 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

Instrument :

MSVOA_U

ClientSampleId :

E10042MSD

Tgt Ion:180 Resp: 248769

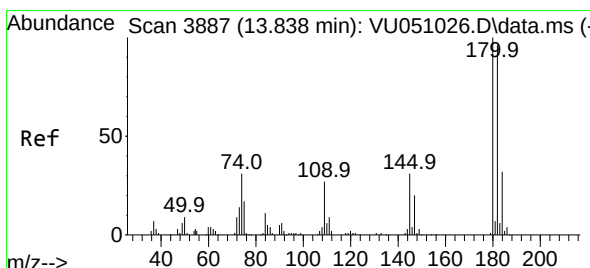
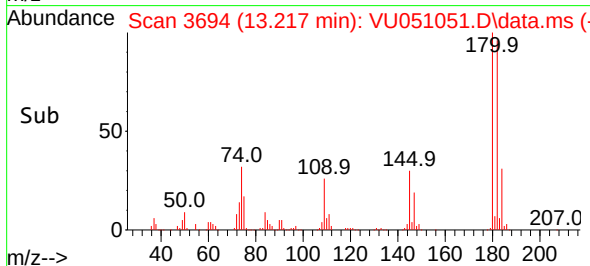
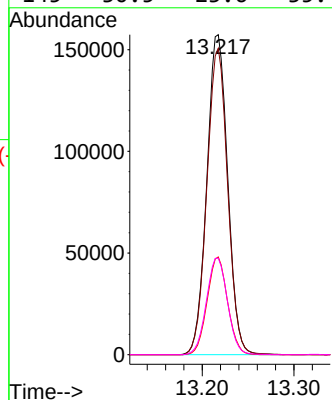
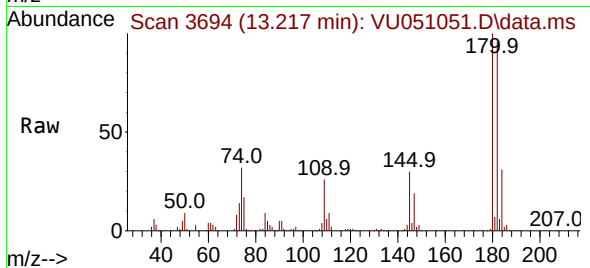
Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.4

184 29.9 24.4 36.6

145 30.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 51.322 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU051051.D

Acq: 30 Sep 2022 22:00

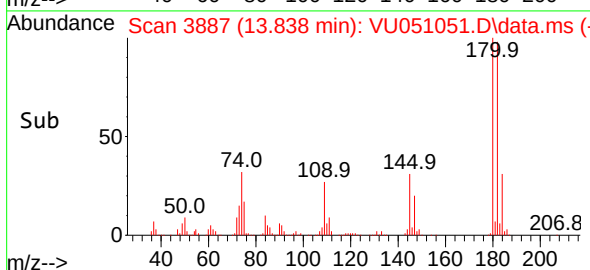
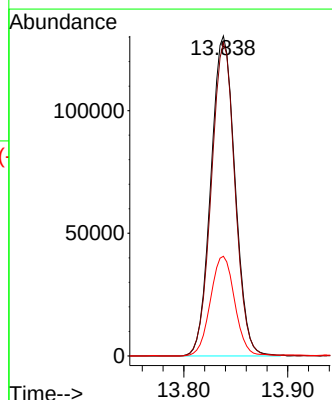
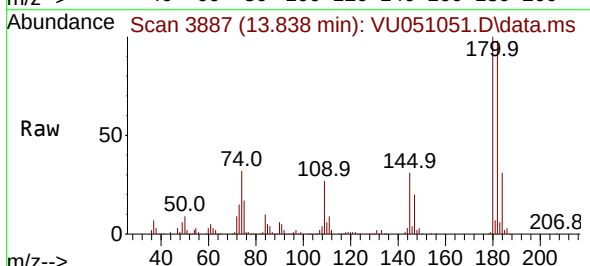
Tgt Ion:180 Resp: 210402

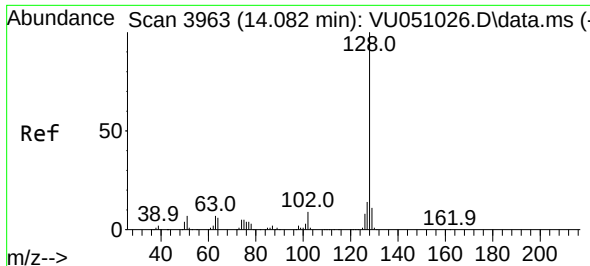
Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

145 31.4 24.0 36.0

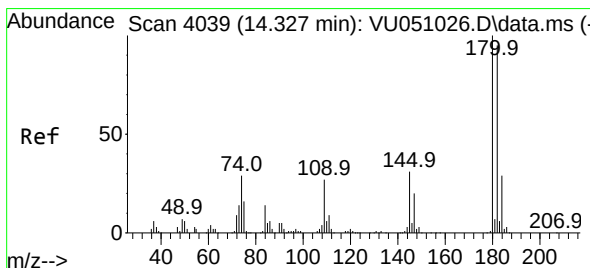
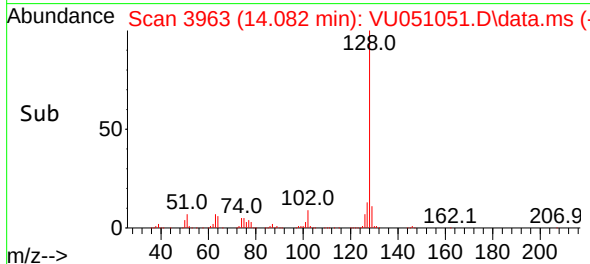
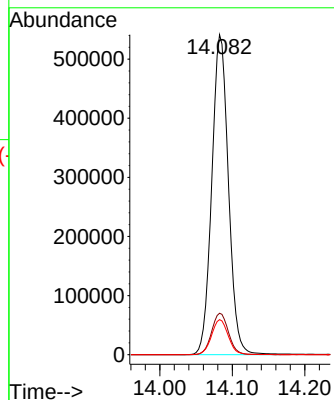
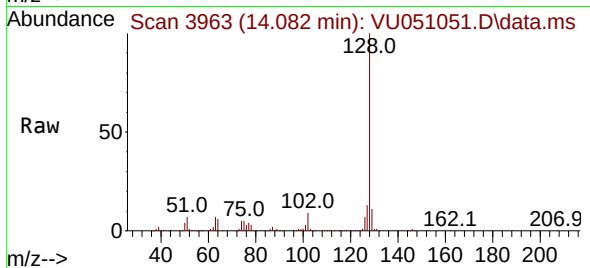




#71
Naphthalene
Concen: 58.794 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Instrument :
MSVOA_U
ClientSampleId :
E10042MSD

Tgt Ion:128 Resp: 862703
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.0 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 52.042 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU051051.D
Acq: 30 Sep 2022 22:00

Tgt Ion:180 Resp: 238074
Ion Ratio Lower Upper
180 100
182 96.4 76.0 114.0
145 34.4 26.1 39.1

