

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122022\
 Data File : VU052460.D
 Acq On : 20 Dec 2022 15:54
 Operator : JC/MD
 Sample : VSTD0.574
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5074

Quant Time: Dec 21 03:24:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 21 03:23:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	145001	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	143243	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	64107	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	7157	0.487	ug/L	0.00
7) Chloroethane-d5	1.912	69	6490	0.512	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	65	3242	0.513	ug/L	0.00
20) 2-Butanone-d5	4.661	46	11144	2.452	ug/L	0.00
24) Chloroform-d	5.060	84	12350	0.498	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	7758	0.540	ug/L	0.00
32) Benzene-d6	5.729	84	23444	0.477	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	8391	0.496	ug/L	0.00
41) Toluene-d8	7.896	98	17067	0.414	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	2483	0.429	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	11337	3.580	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	6836	0.476	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	6487	0.497	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	6145	0.476	ug/L	95
3) Chloromethane	1.520	50	10037	0.539	ug/L	98
5) Vinyl chloride	1.604	62	7918	0.469	ug/L #	1
6) Bromomethane	1.858	94	4833	0.502	ug/L	96
8) Chloroethane	1.938	64	7197	0.622	ug/L #	74
9) Trichlorofluoromethane	2.137	101	9402	0.493	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	5644	0.497	ug/L	90
12) 1,1-Dichloroethene	2.581	96	5293	0.487	ug/L	86
13) Acetone	2.694	43	8487	2.511	ug/L	79
14) Carbon disulfide	2.793	76	16425	0.469	ug/L	97
15) Methyl Acetate	2.970	43	3123	0.426	ug/L #	76
16) Methylene chloride	3.047	84	9509	0.620	ug/L	96
17) Methyl tert-butyl Ether	3.366	73	13428	0.463	ug/L	96
18) trans-1,2-Dichloroethene	3.356	96	5305	0.474	ug/L	94
19) 1,1-Dichloroethane	3.870	63	11616	0.477	ug/L	98
21) 2-Butanone	4.742	43	21475	4.392	ug/L	91
22) cis-1,2-Dichloroethene	4.668	96	5437	0.443	ug/L	99
23) Bromochloromethane	4.970	128	2558	0.449	ug/L #	87
25) Chloroform	5.086	83	11785	0.500	ug/L	97
27) 1,2-Dichloroethane	5.793	62	7661	0.470	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	8213	0.456	ug/L	96
30) Cyclohexane	5.388	56	7914	0.406	ug/L	95
31) Carbon tetrachloride	5.523	117	7582	0.479	ug/L	98
33) Benzene	5.774	78	23236	0.450	ug/L	100
34) Trichloroethene	6.542	95	5735	0.475	ug/L	91
35) Methylcyclohexane	6.761	83	6945	0.382	ug/L	95
37) 1,2-Dichloropropane	6.790	63	6456	0.448	ug/L #	92
38) Bromodichloromethane	7.102	83	8492	0.485	ug/L #	94
39) cis-1,3-Dichloropropene	7.607	75	7982	0.438	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	41871	3.980	ug/L	95
42) Toluene	7.967	91	19862	0.401	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	6541	0.407	ug/L	95

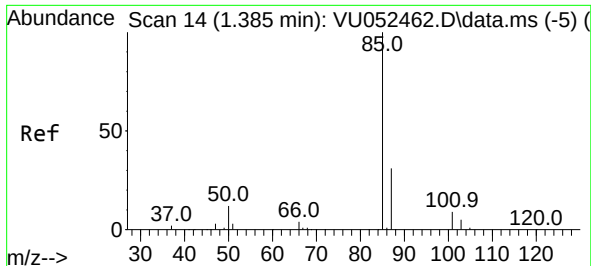
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122022\
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Quant Time: Dec 21 03:24:03 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 21 03:23:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	4835	0.474	ug/L	93
47) Tetrachloroethene	8.552	164	3872	0.460	ug/L	93
48) 2-Hexanone	8.687	43	28799	3.668	ug/L	96
49) Dibromochloromethane	8.806	129	4617	0.428	ug/L	98
50) 1,2-Dibromoethane	8.922	107	4154	0.448	ug/L #	99
51) Chlorobenzene	9.443	112	14284	0.452	ug/L	95
52) Ethylbenzene	9.568	91	20022	0.391	ug/L	96
53) m,p-Xylene	9.690	106	6888	0.365	ug/L	92
54) o-Xylene	10.098	106	6486	0.358	ug/L	96
55) Styrene	10.111	104	9848	0.313	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.780	83	6560	0.465	ug/L	97
59) Bromoform	10.288	173	2999	0.532	ug/L #	94
60) Isopropylbenzene	10.481	105	15735	0.379	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	4691	0.510	ug/L	95
62) 1,3,5-Trimethylbenzene	11.086	105	12812	0.374	ug/L	94
63) 1,2,4-Trimethylbenzene	11.465	105	12647	0.367	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	9014	0.437	ug/L	87
65) 1,4-Dichlorobenzene	11.835	146	10279	0.482	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	9504	0.467	ug/L	89
68) 1,2-Dibromo-3-chloropr...	12.992	75	1171	0.563	ug/L #	79
69) 1,3,5-Trichlorobenzene	13.217	180	6903	0.455	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	5667	0.444	ug/L	95
71) Naphthalene	14.085	128	11494	0.445	ug/L	96
72) 1,2,3-Trichlorobenzene	14.327	180	6022	0.470	ug/L	96

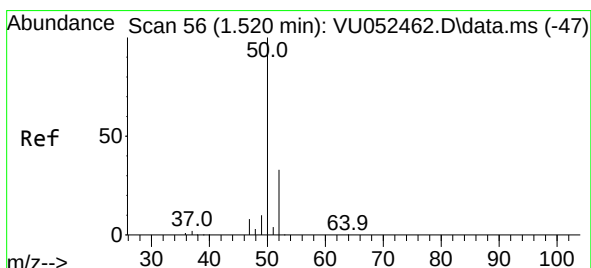
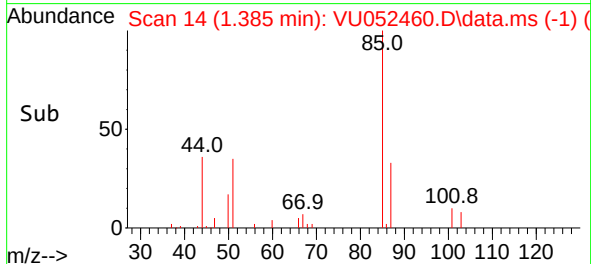
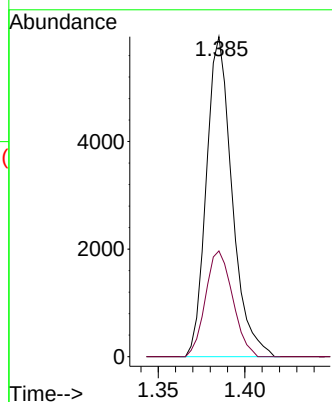
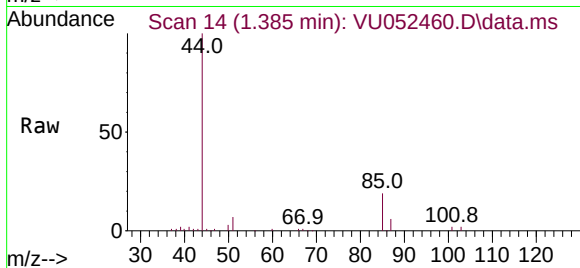
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 0.476 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

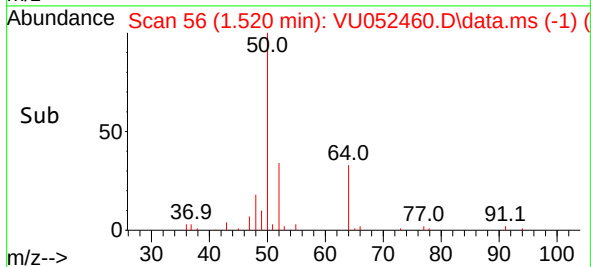
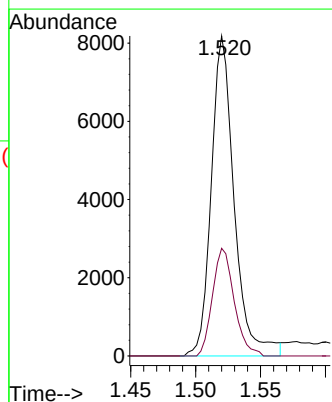
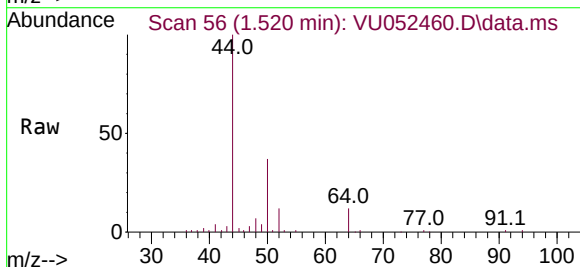
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

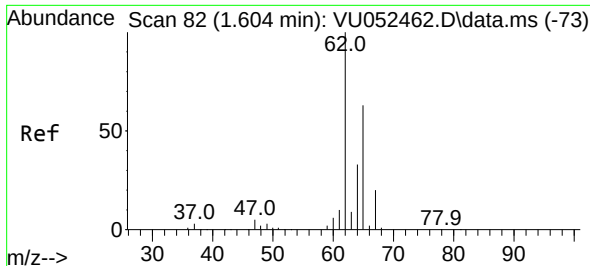
Tgt Ion: 85 Resp: 6145
Ion Ratio Lower Upper
85 100
87 34.7 25.6 38.4



#3
Chloromethane
Concen: 0.539 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 50 Resp: 10037
Ion Ratio Lower Upper
50 100
52 33.7 23.0 42.6

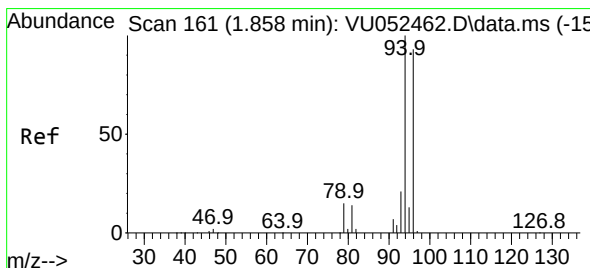
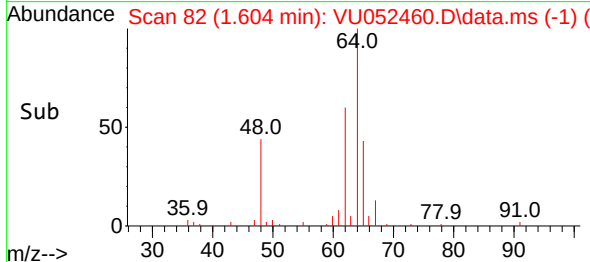
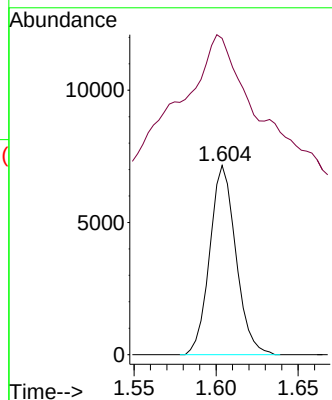
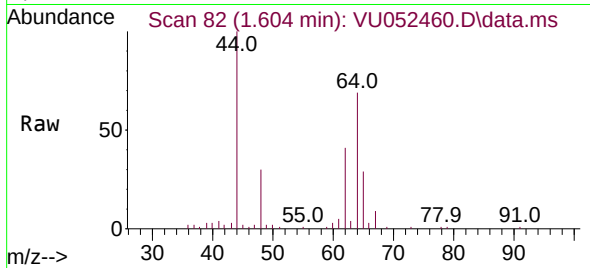




#5
 Vinyl chloride
 Concen: 0.469 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU052460.D
 Acq: 20 Dec 2022 15:54

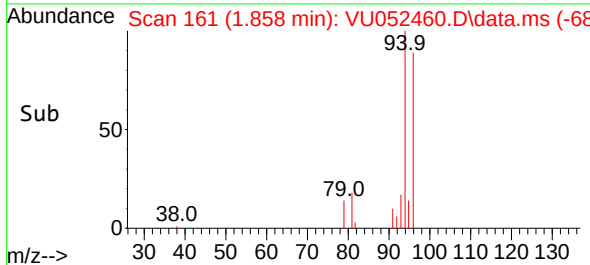
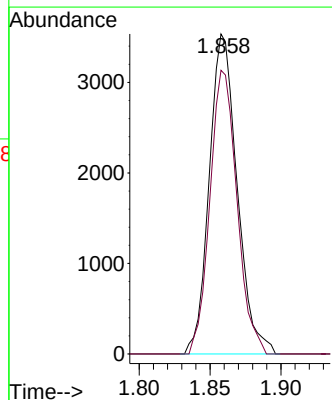
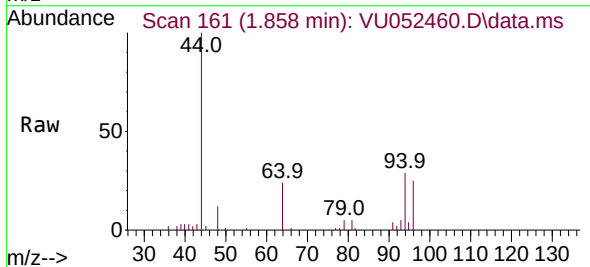
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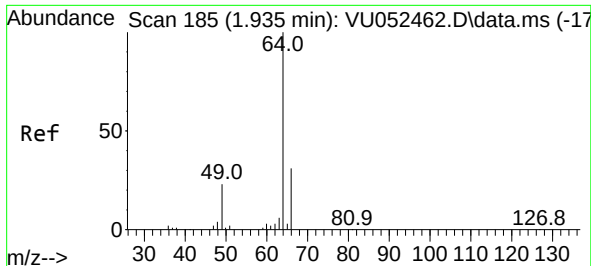
Tgt Ion: 62 Resp: 7918
 Ion Ratio Lower Upper
 62 100
 64 167.2 24.4 45.4#



#6
 Bromomethane
 Concen: 0.502 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052460.D
 Acq: 20 Dec 2022 15:54

Tgt Ion: 94 Resp: 4833
 Ion Ratio Lower Upper
 94 100
 96 88.6 65.0 120.8

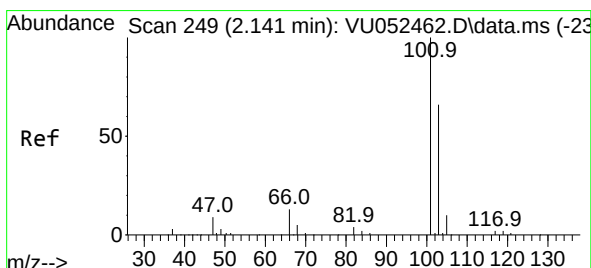
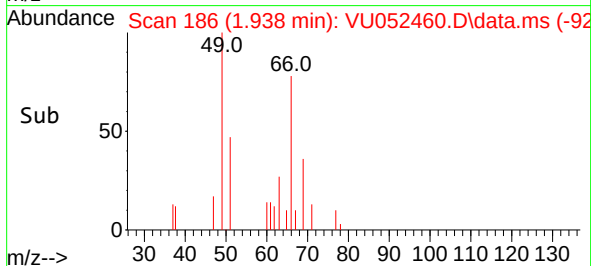
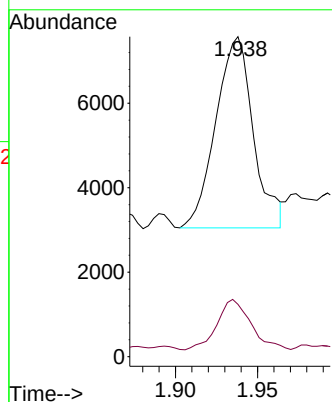
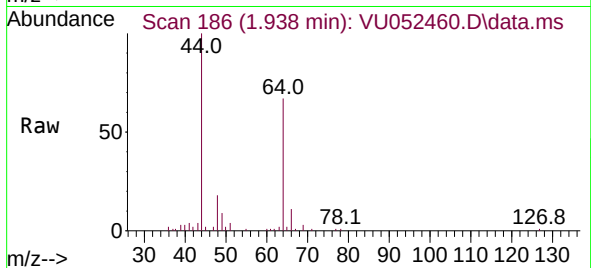




#8
Chloroethane
Concen: 0.622 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

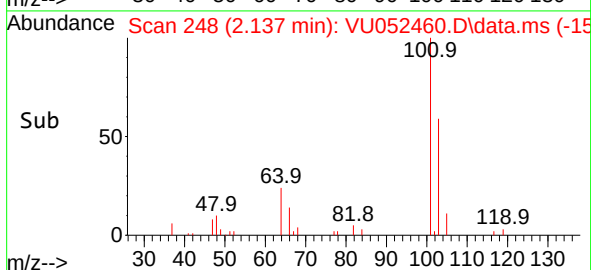
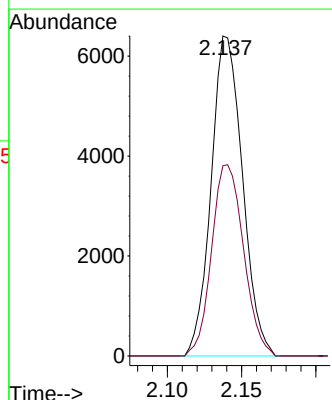
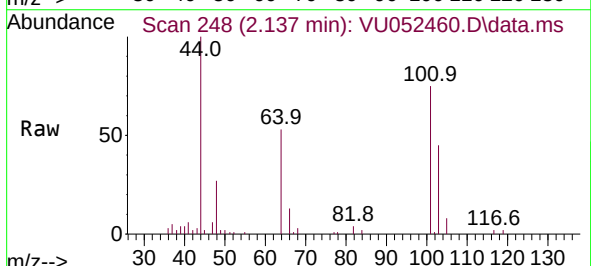
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

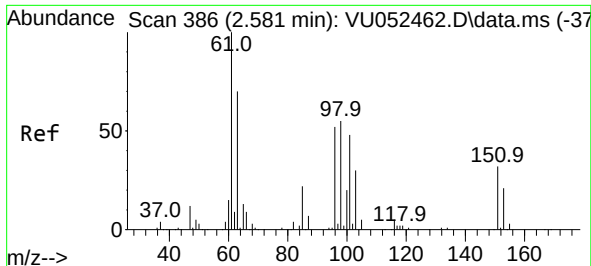
Tgt Ion: 64 Resp: 7197
Ion Ratio Lower Upper
64 100
66 16.3 21.3 39.5#



#9
Trichlorofluoromethane
Concen: 0.493 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 101 Resp: 9402
Ion Ratio Lower Upper
101 100
103 60.9 52.0 78.0

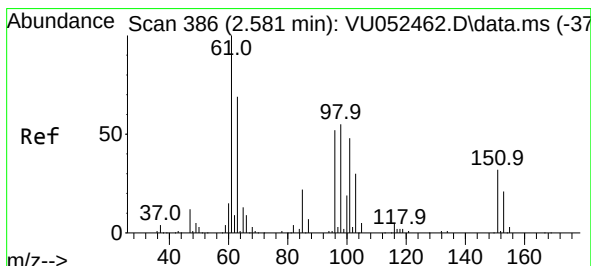
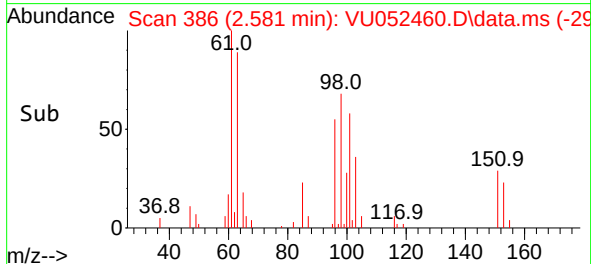
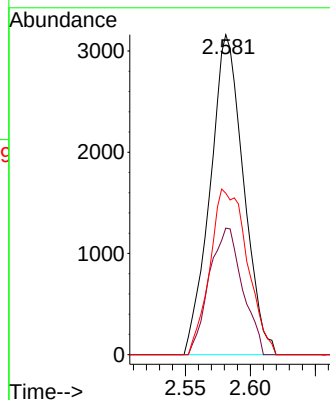
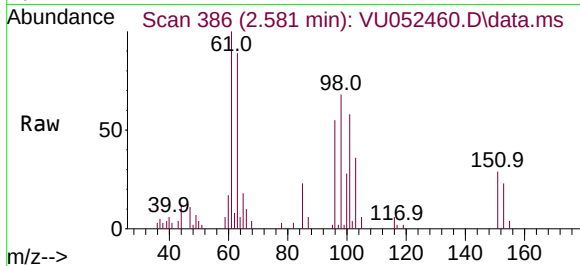




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.497 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052460.D
 Acq: 20 Dec 2022 15:54

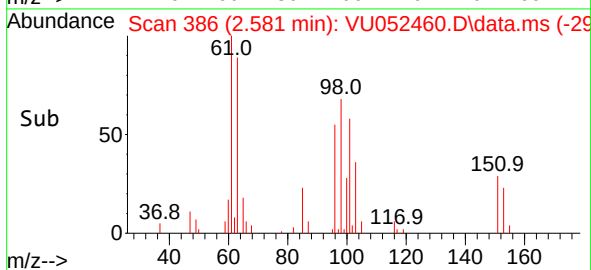
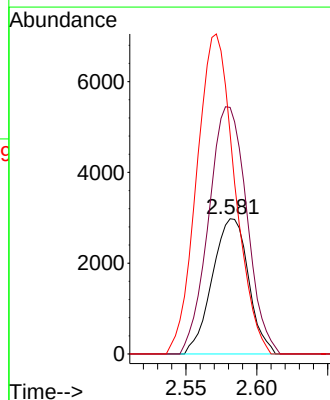
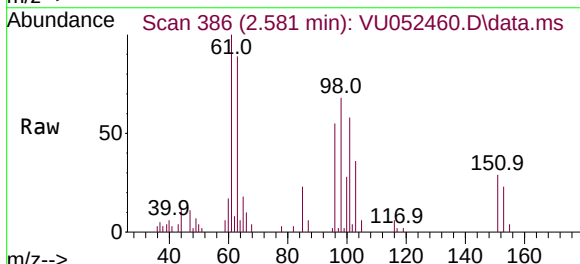
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5074

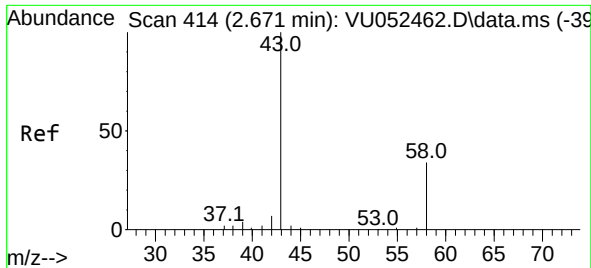
Tgt Ion:	101	Resp:	5644
Ion	Ratio	Lower	Upper
101	100		
85	39.5	35.8	53.6
151	58.0	53.6	80.4



#12
 1,1-Dichloroethene
 Concen: 0.487 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052460.D
 Acq: 20 Dec 2022 15:54

Tgt Ion:	96	Resp:	5293
Ion	Ratio	Lower	Upper
96	100		
61	182.3	135.4	251.4
63	162.8	95.4	177.2





#13

Acetone

Concen: 2.511 ug/L

RT: 2.694 min Scan# 414

Delta R.T. 0.022 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

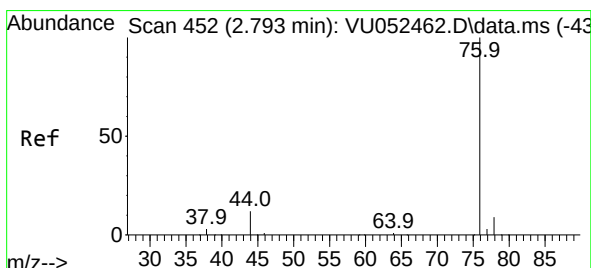
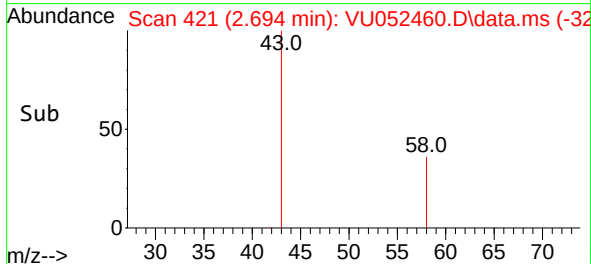
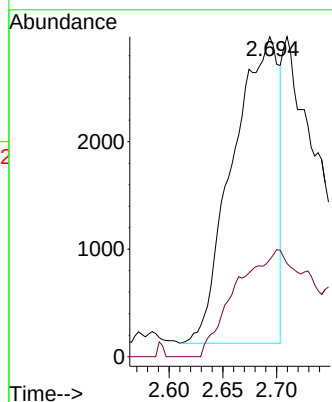
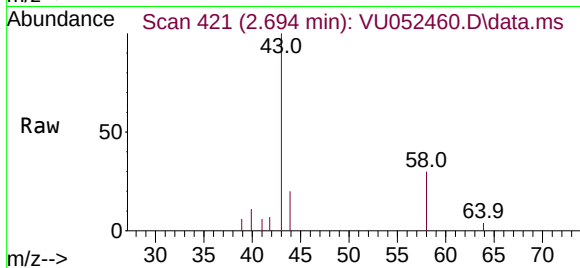
VSTD0.5074

Tgt Ion: 43 Resp: 8487

Ion Ratio Lower Upper

43 100

58 44.7 0.0 65.4



#14

Carbon disulfide

Concen: 0.469 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052460.D

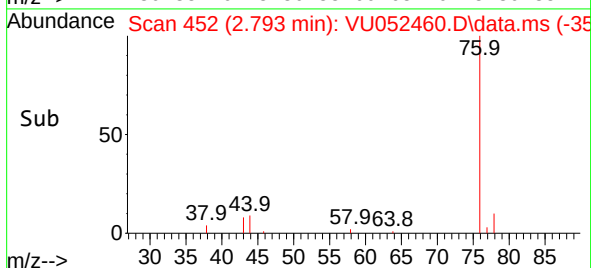
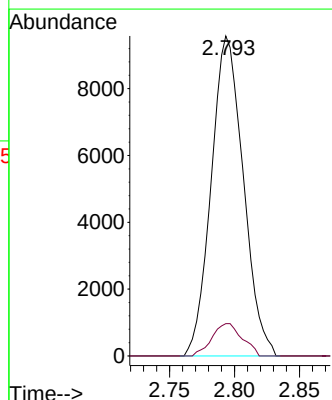
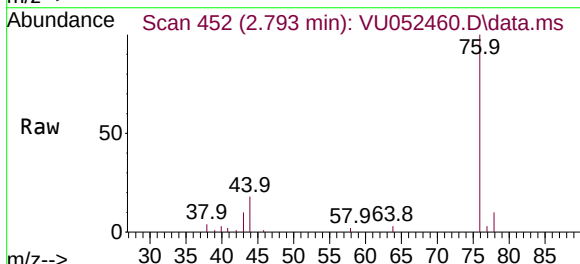
Acq: 20 Dec 2022 15:54

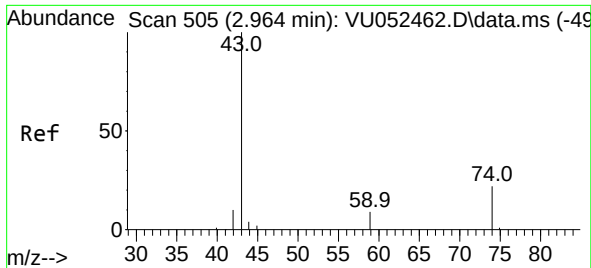
Tgt Ion: 76 Resp: 16425

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7





#15

Methyl Acetate

Concen: 0.426 ug/L

RT: 2.970 min Scan# 505

Delta R.T. 0.006 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

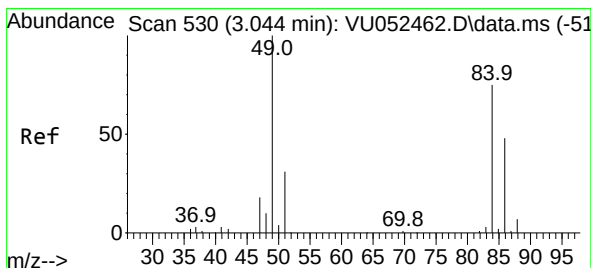
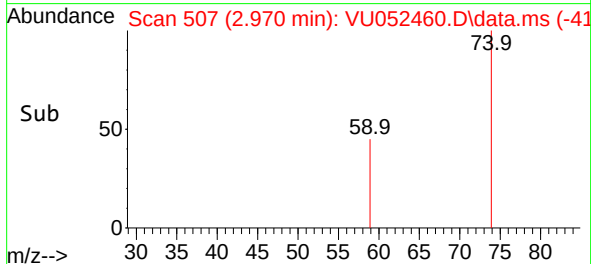
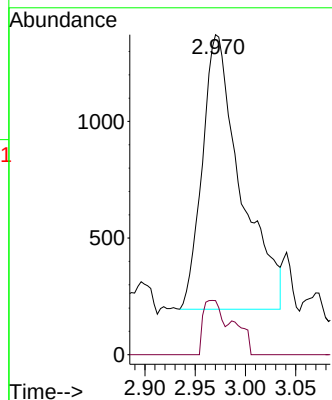
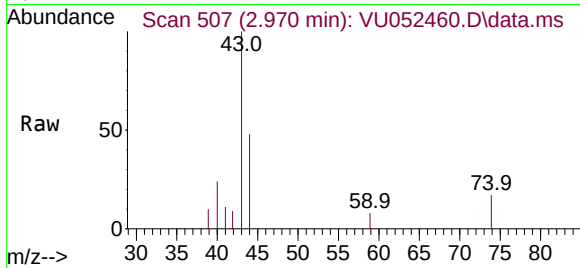
VSTD0.5074

Tgt Ion: 43 Resp: 3123

Ion Ratio Lower Upper

43 100

74 9.6 16.9 25.3#



#16

Methylene chloride

Concen: 0.620 ug/L

RT: 3.047 min Scan# 531

Delta R.T. 0.003 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

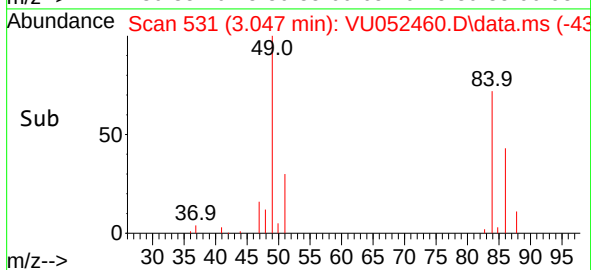
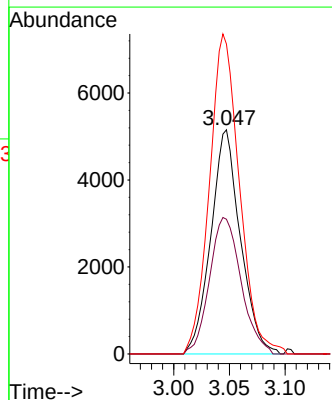
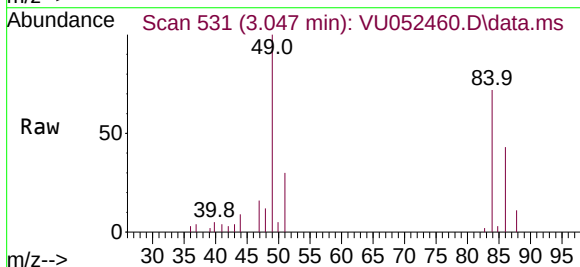
Tgt Ion: 84 Resp: 9509

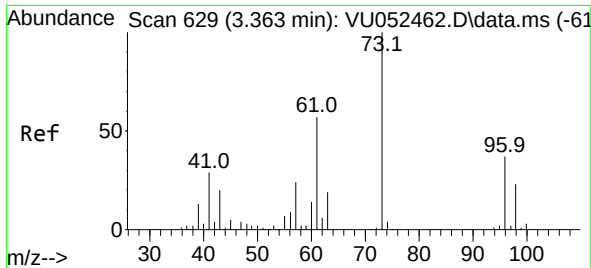
Ion Ratio Lower Upper

84 100

86 60.1 44.7 83.1

49 138.3 93.3 173.3

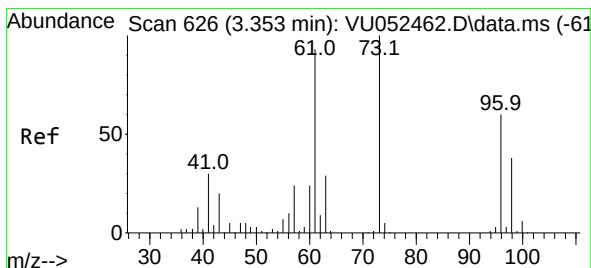
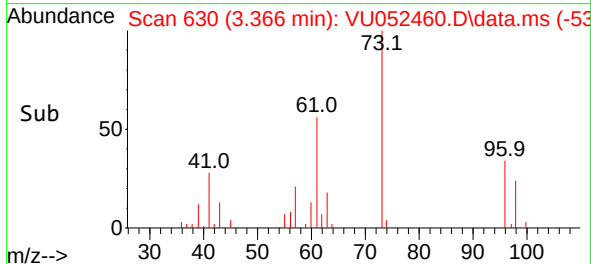
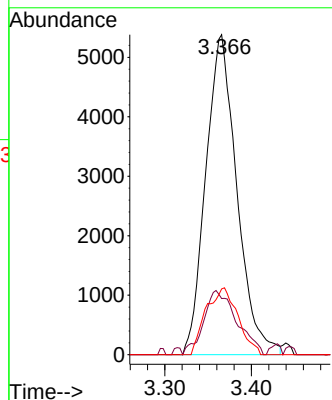
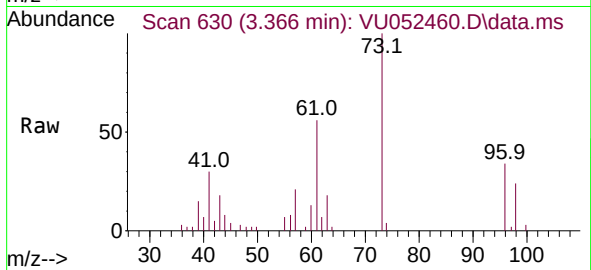




#17
Methyl tert-butyl Ether
Concen: 0.463 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

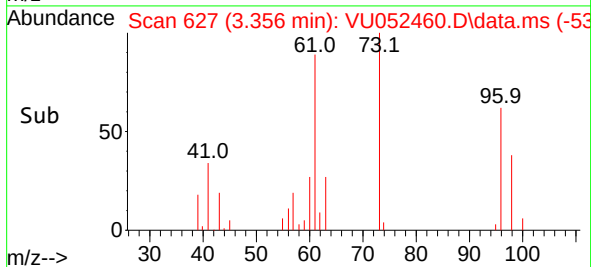
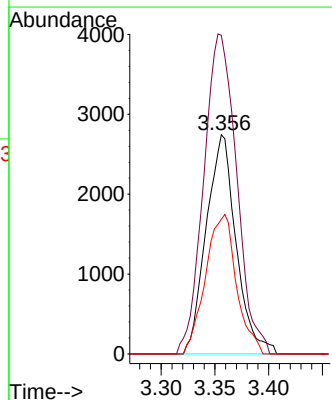
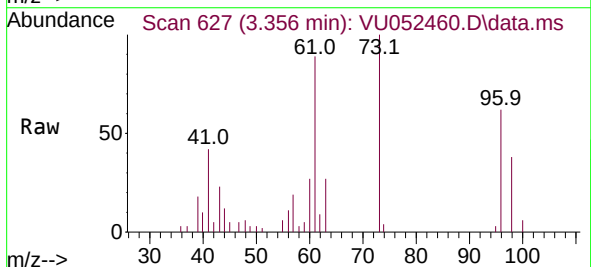
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

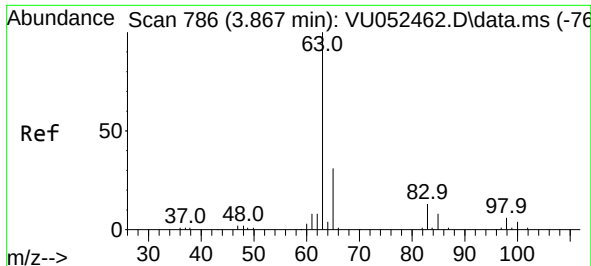
Tgt Ion: 73 Resp: 13428
Ion Ratio Lower Upper
73 100
43 21.4 16.1 24.1
57 21.5 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 0.474 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 96 Resp: 5305
Ion Ratio Lower Upper
96 100
61 145.4 108.3 201.1
98 61.5 44.0 81.6

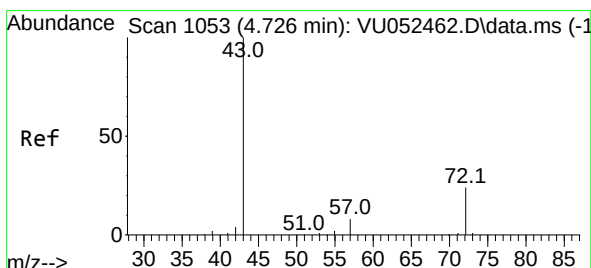
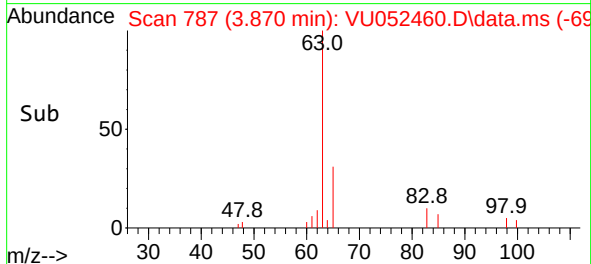
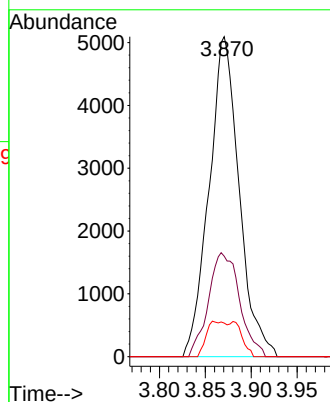
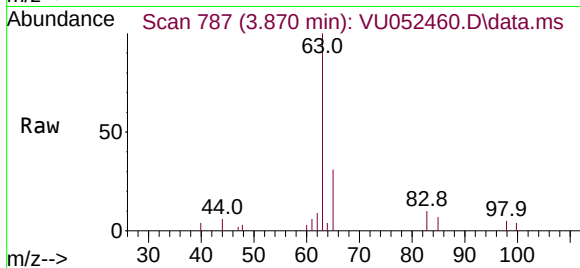




#19
1,1-Dichloroethane
Concen: 0.477 ug/L
RT: 3.870 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

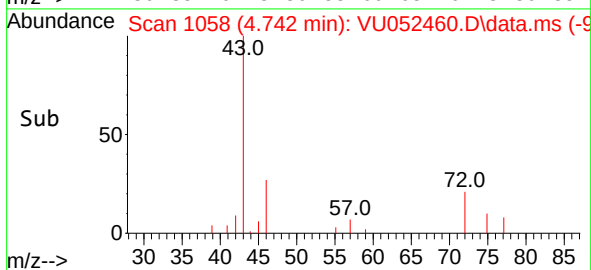
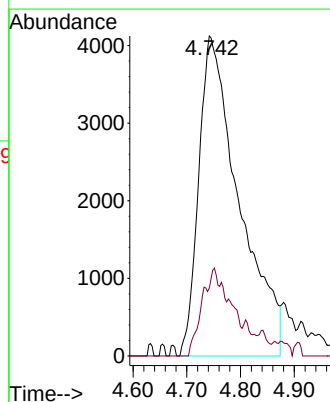
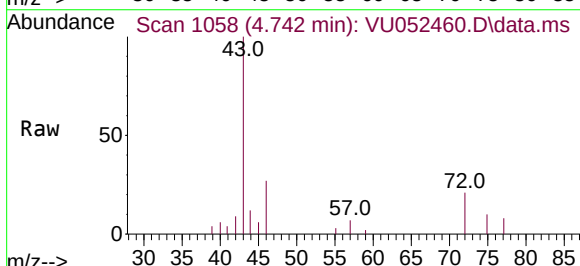
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

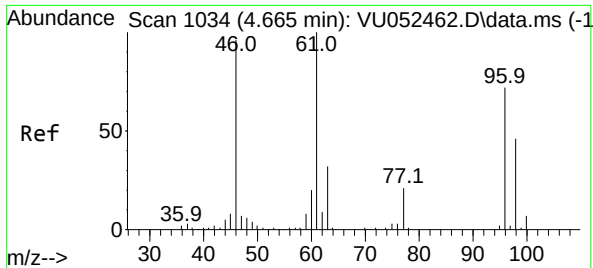
Tgt Ion: 63 Resp: 11616
Ion Ratio Lower Upper
63 100
65 31.4 22.0 40.8
83 10.5 9.0 16.8



#21
2-Butanone
Concen: 4.392 ug/L
RT: 4.742 min Scan# 1058
Delta R.T. 0.016 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 43 Resp: 21475
Ion Ratio Lower Upper
43 100
72 18.9 11.6 34.7

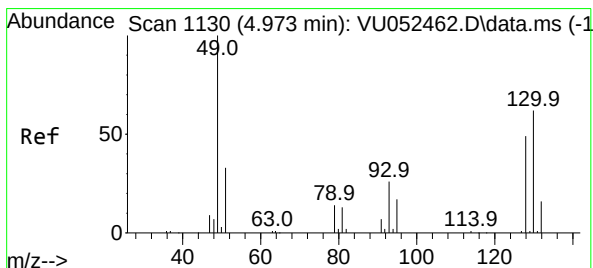
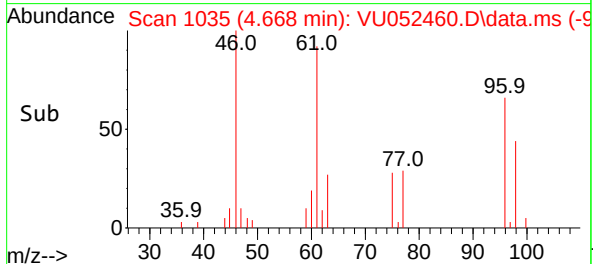
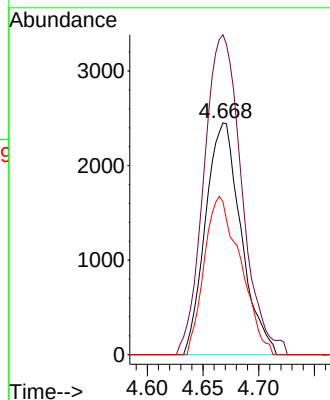
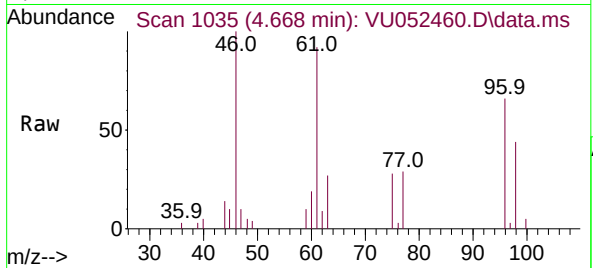




#22
cis-1,2-Dichloroethene
Concen: 0.443 ug/L
RT: 4.668 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

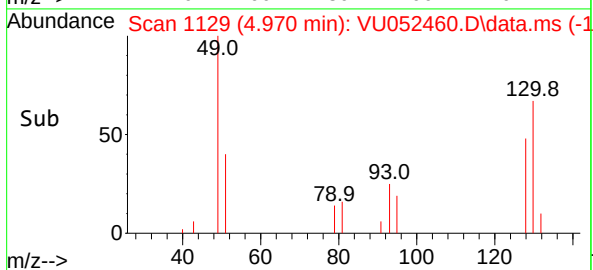
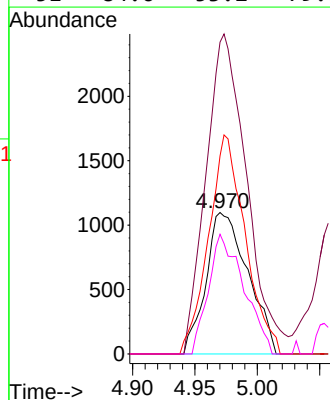
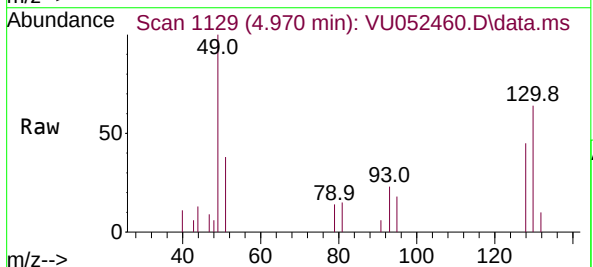
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

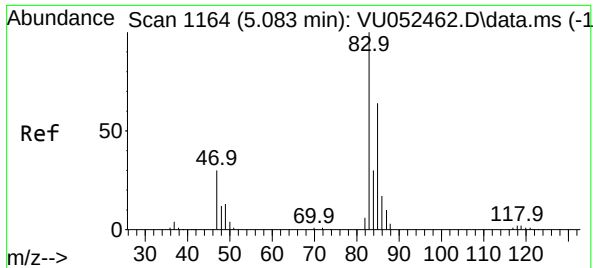
Tgt Ion: 96 Resp: 5437
Ion Ratio Lower Upper
96 100
61 138.1 96.9 180.1
98 66.0 44.7 83.1



#23
Bromochloromethane
Concen: 0.449 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 128 Resp: 2558
Ion Ratio Lower Upper
128 100
49 220.5 143.3 266.1
130 140.1 88.4 164.2
51 84.6 53.2 79.8#





#25

Chloroform

Concen: 0.500 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

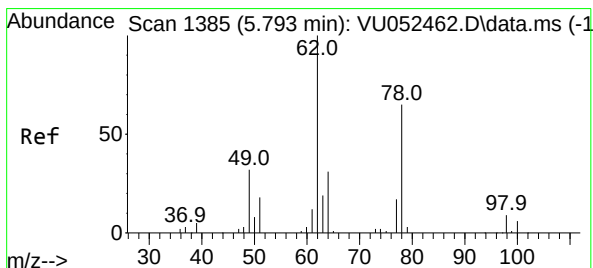
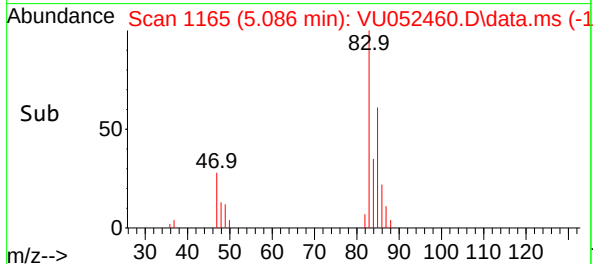
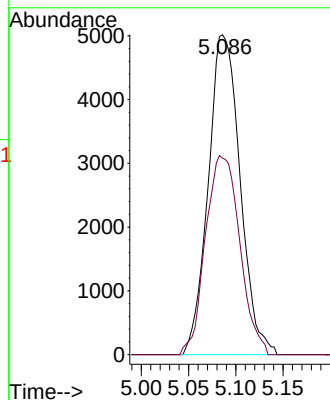
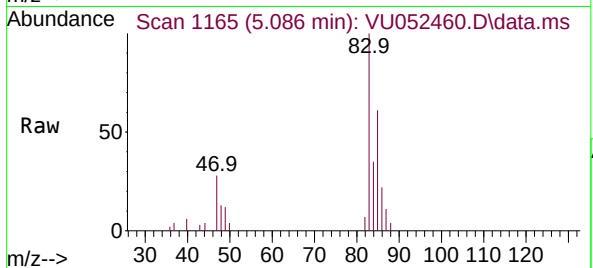
VSTD0.5074

Tgt Ion: 83 Resp: 11785

Ion Ratio Lower Upper

83 100

85 61.4 44.7 83.1



#27

1,2-Dichloroethane

Concen: 0.470 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.000 min

Lab File: VU052460.D

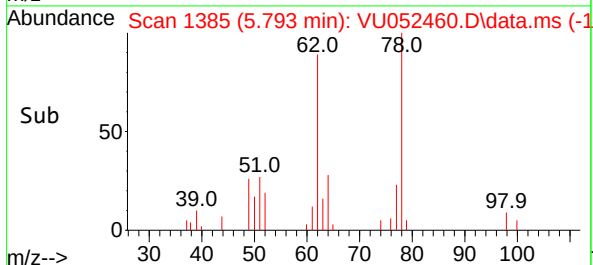
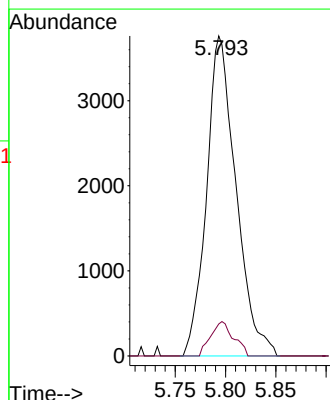
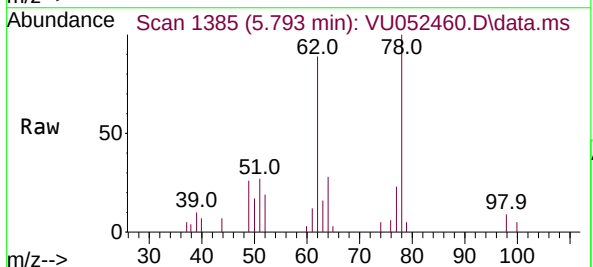
Acq: 20 Dec 2022 15:54

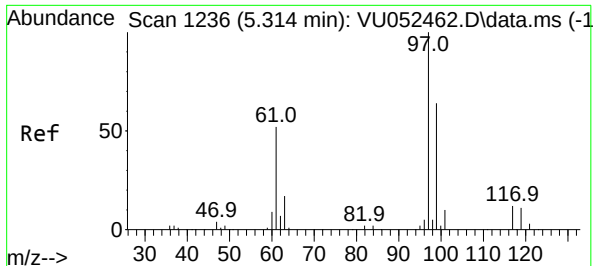
Tgt Ion: 62 Resp: 7661

Ion Ratio Lower Upper

62 100

98 10.0 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 0.456 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5074

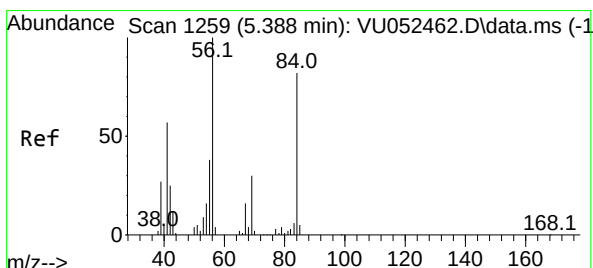
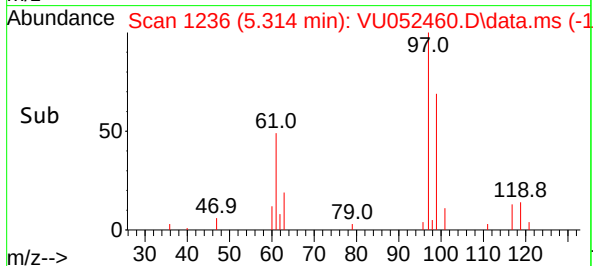
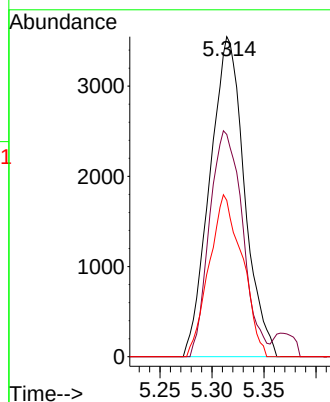
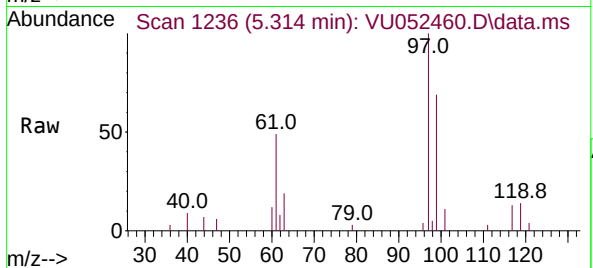
Tgt Ion: 97 Resp: 8213

Ion Ratio Lower Upper

97 100

99 67.8 52.2 78.2

61 48.5 41.6 62.4



#30

Cyclohexane

Concen: 0.406 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

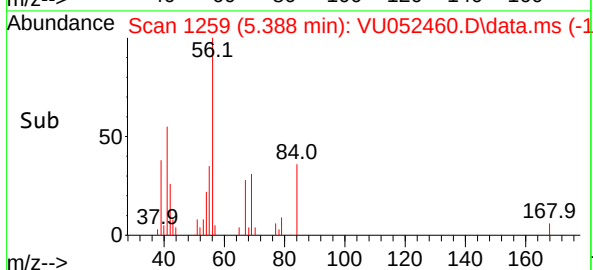
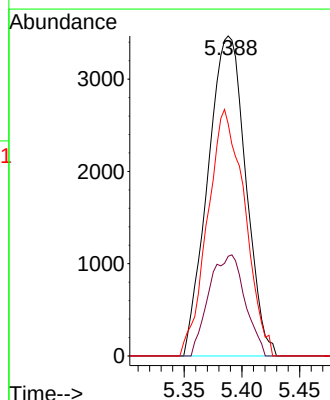
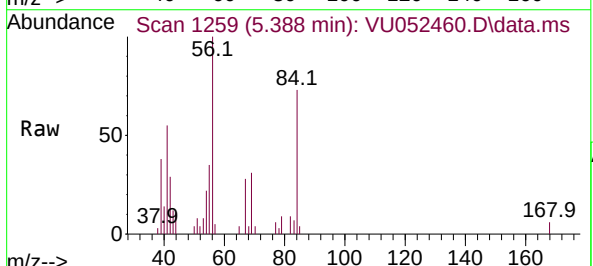
Tgt Ion: 56 Resp: 7914

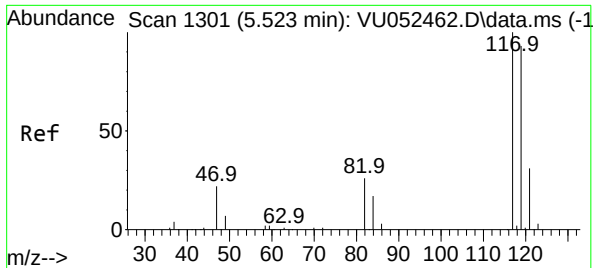
Ion Ratio Lower Upper

56 100

69 30.0 23.0 34.6

84 75.6 64.4 96.6

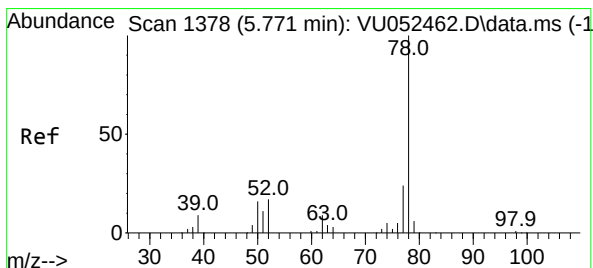
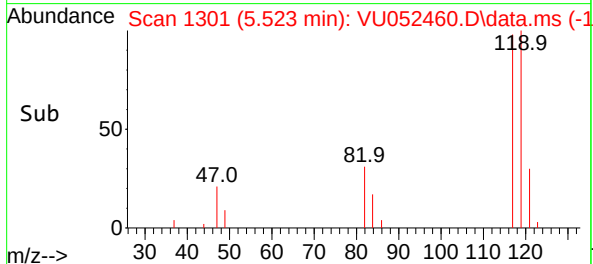
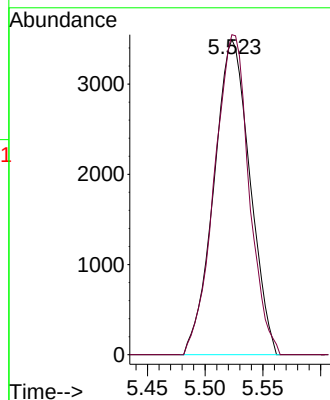
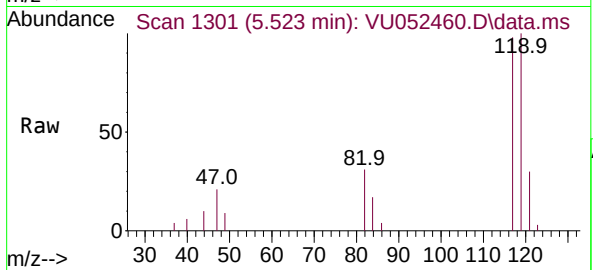




#31
Carbon tetrachloride
Concen: 0.479 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

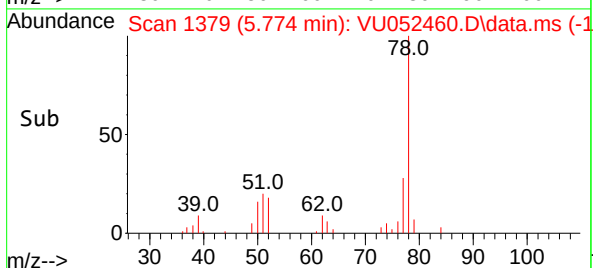
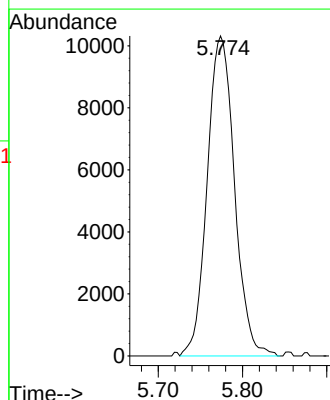
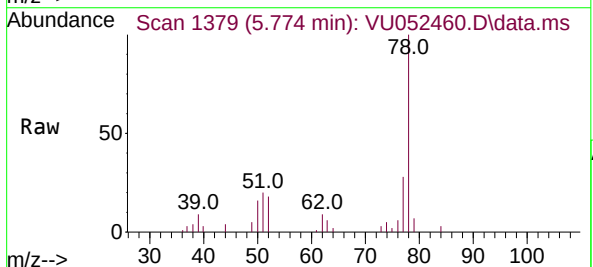
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

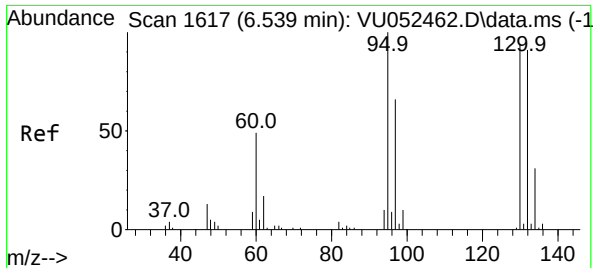
Tgt Ion:117 Resp: 7582
Ion Ratio Lower Upper
117 100
119 97.8 76.3 114.5



#33
Benzene
Concen: 0.450 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 78 Resp: 23236



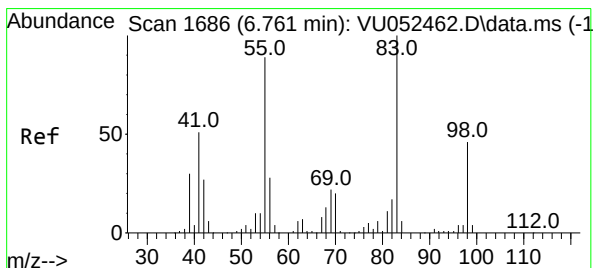
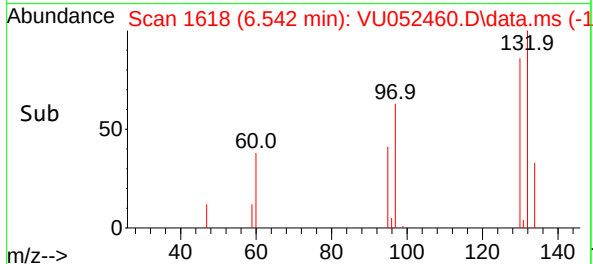
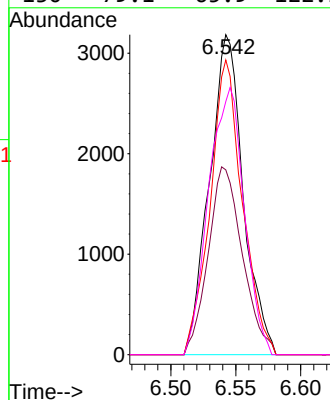
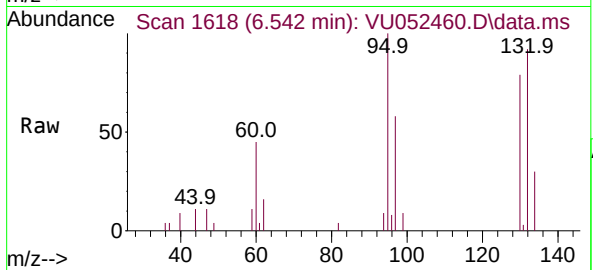


#34
Trichloroethene
Concen: 0.475 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

Tgt Ion: 95 Resp: 5735

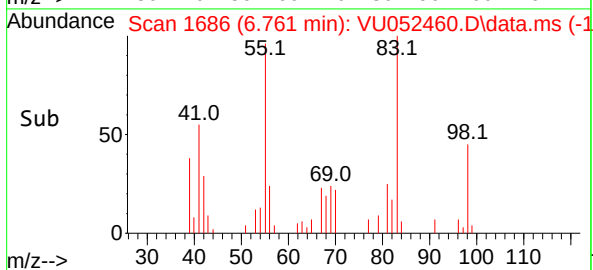
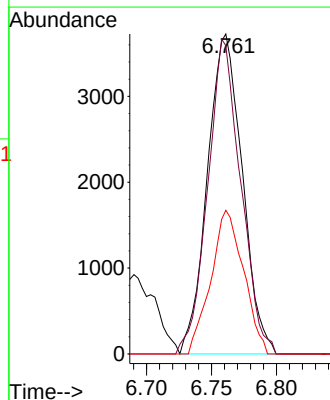
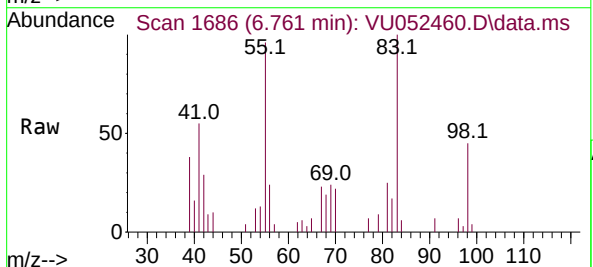
Ion	Ratio	Lower	Upper
95	100		
97	57.7	46.3	86.1
132	92.1	63.9	118.7
130	79.1	65.9	122.5

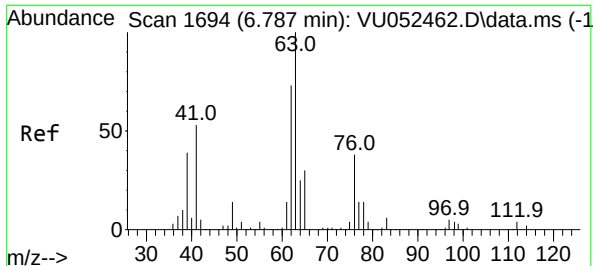


#35
Methylcyclohexane
Concen: 0.382 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 83 Resp: 6945

Ion	Ratio	Lower	Upper
83	100		
55	93.2	71.4	107.0
98	42.1	36.5	54.7





#37

1,2-Dichloropropane

Concen: 0.448 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

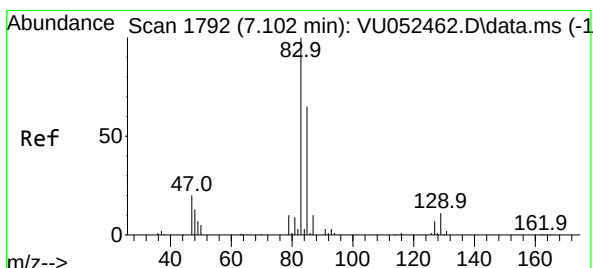
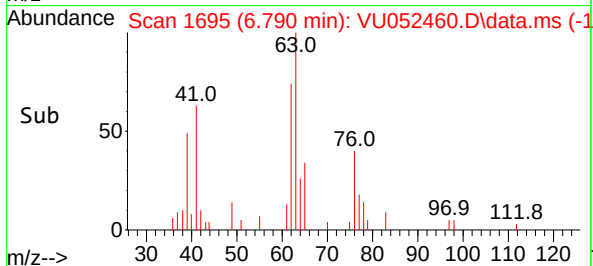
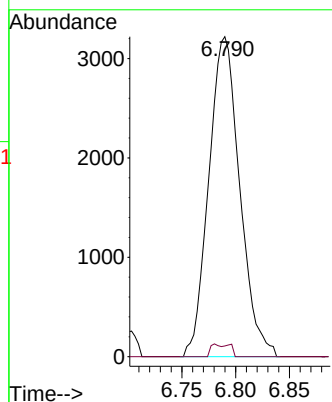
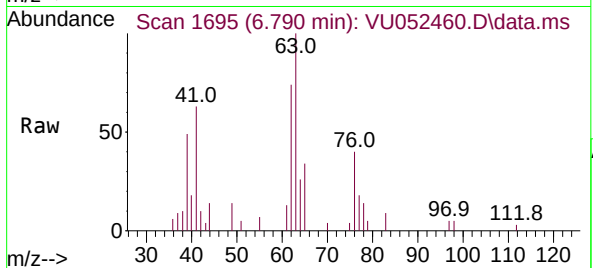
VSTD0.5074

Tgt Ion: 63 Resp: 6456

Ion Ratio Lower Upper

63 100

112 1.0 3.0 4.6#



#38

Bromodichloromethane

Concen: 0.485 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

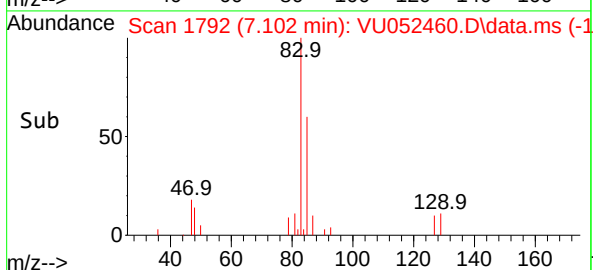
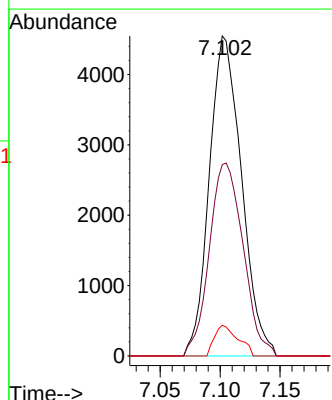
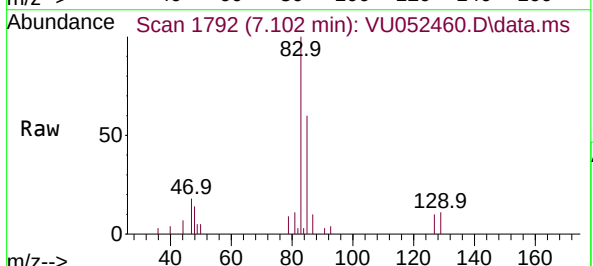
Tgt Ion: 83 Resp: 8492

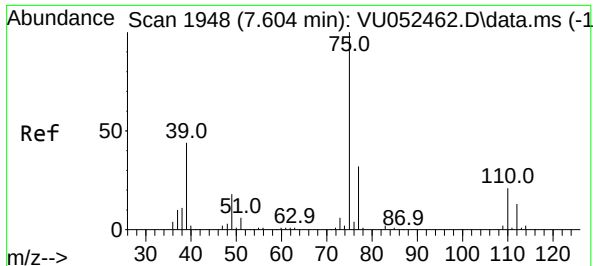
Ion Ratio Lower Upper

83 100

85 59.8 45.2 84.0

127 9.6 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 0.438 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

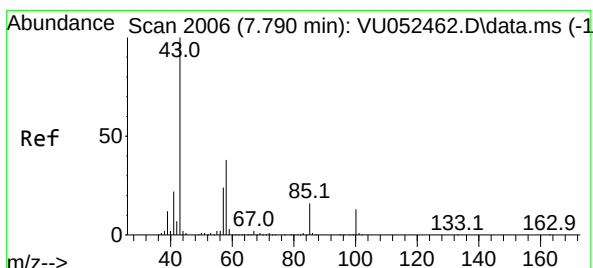
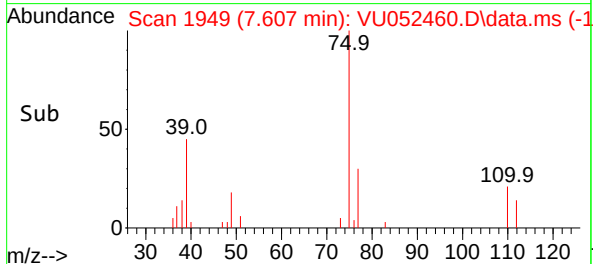
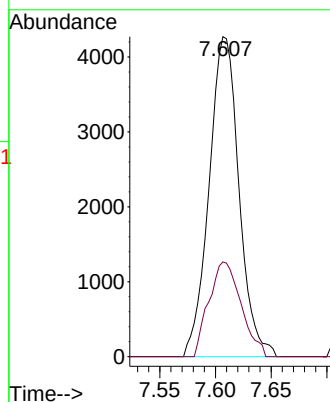
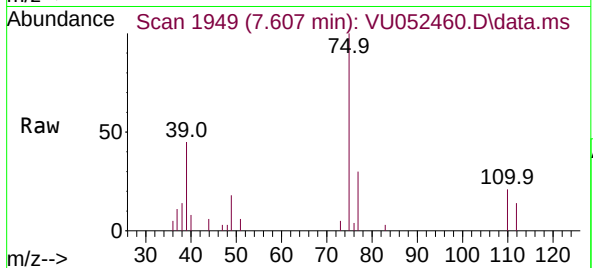
VSTD0.5074

Tgt Ion: 75 Resp: 7982

Ion Ratio Lower Upper

75 100

77 29.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 3.980 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

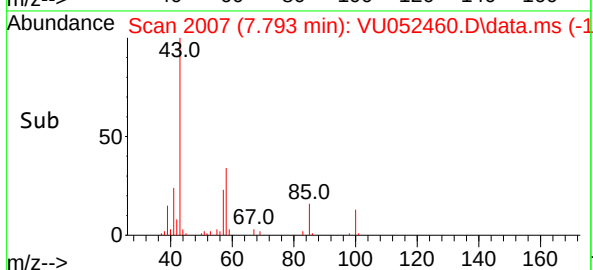
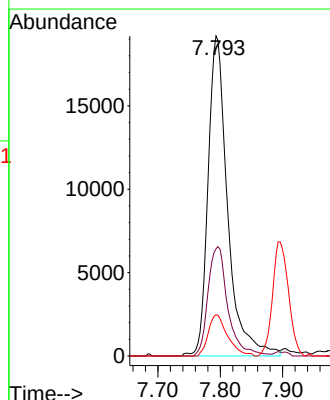
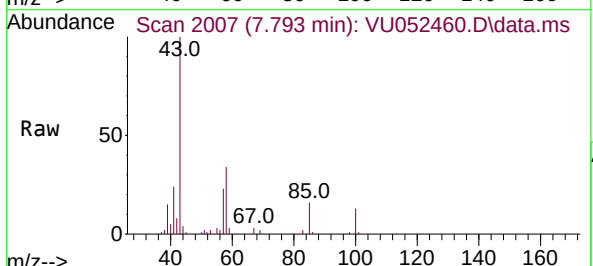
Tgt Ion: 43 Resp: 41871

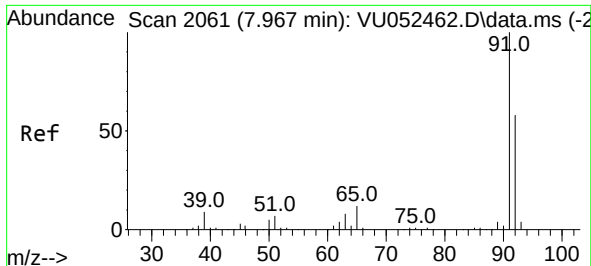
Ion Ratio Lower Upper

43 100

58 34.6 30.6 45.8

100 12.6 10.4 15.6





#42

Toluene

Concen: 0.401 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

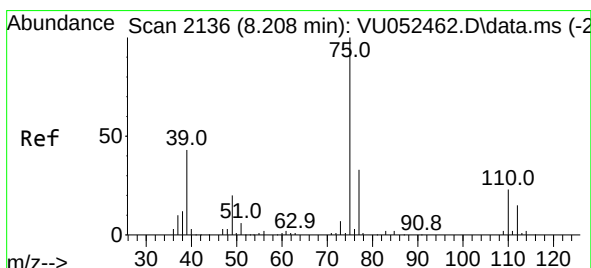
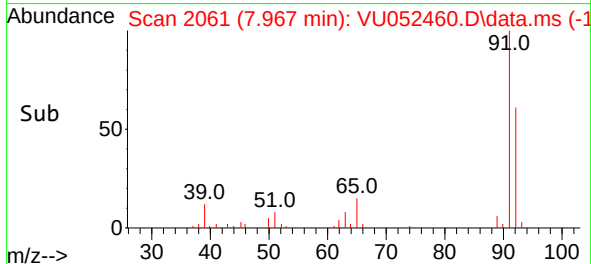
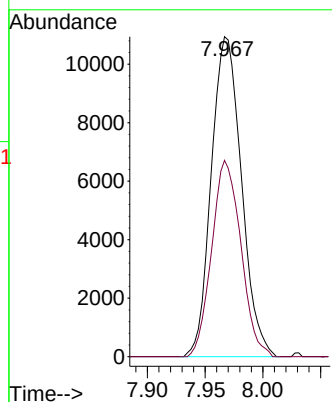
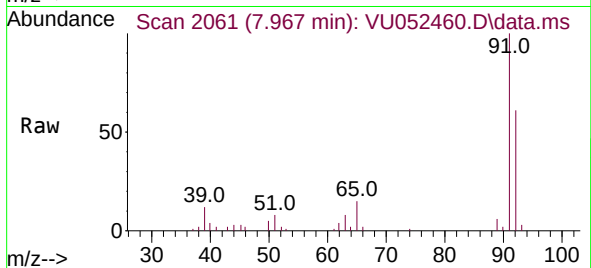
VSTD0.5074

Tgt Ion: 91 Resp: 19862

Ion Ratio Lower Upper

91 100

92 61.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 0.407 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052460.D

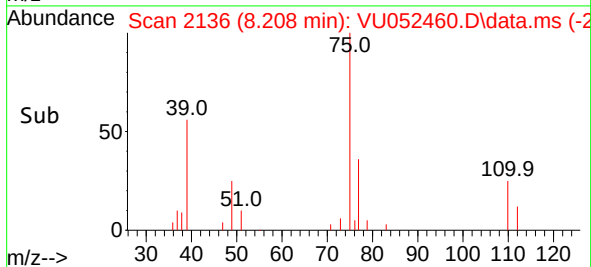
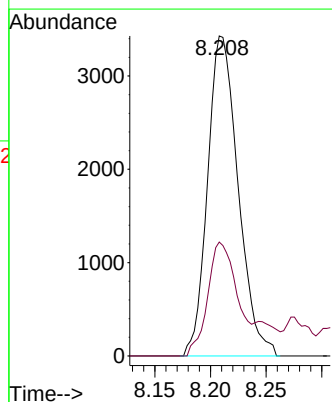
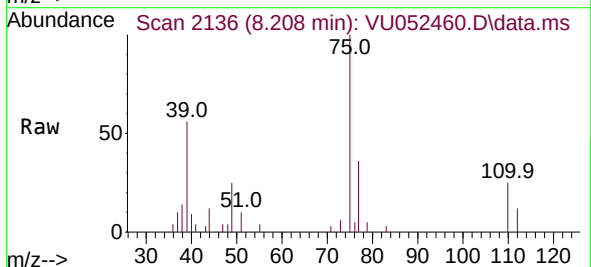
Acq: 20 Dec 2022 15:54

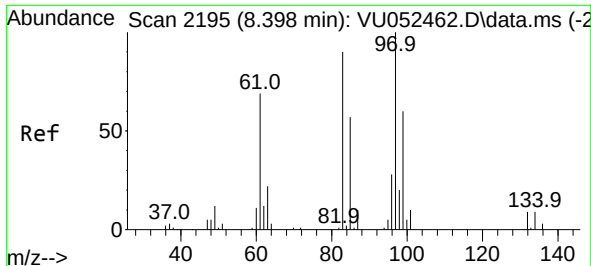
Tgt Ion: 75 Resp: 6541

Ion Ratio Lower Upper

75 100

77 35.6 22.8 42.4

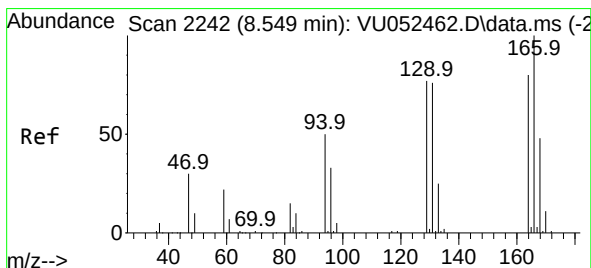
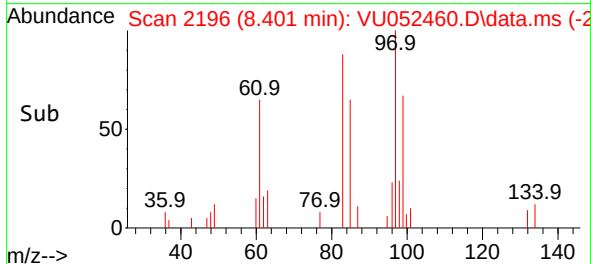
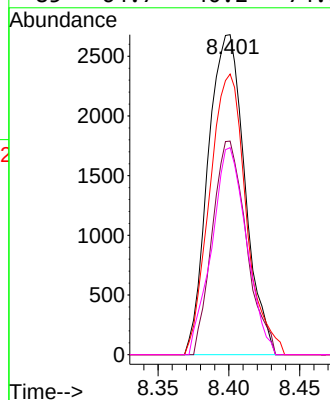
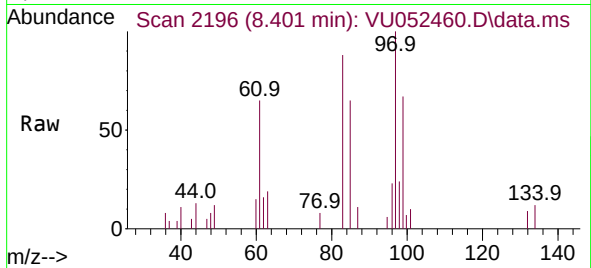




#45
1,1,2-Trichloroethane
Concen: 0.474 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

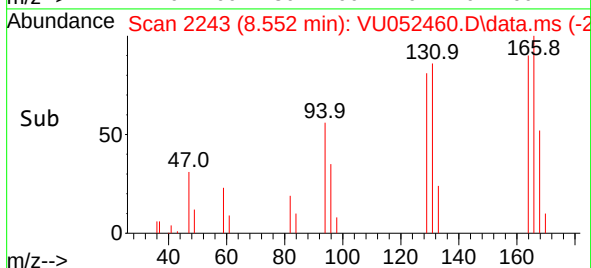
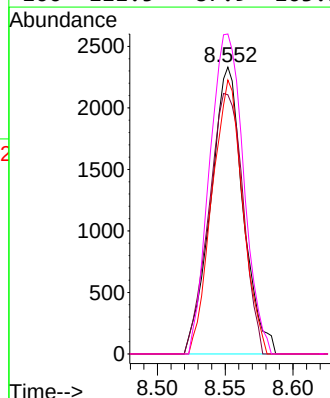
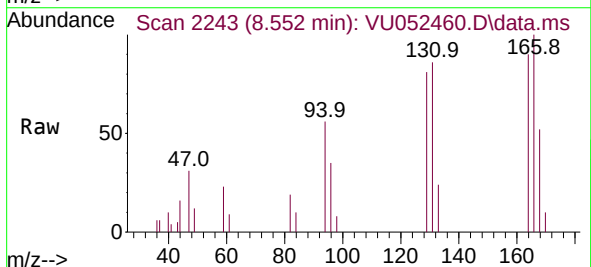
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

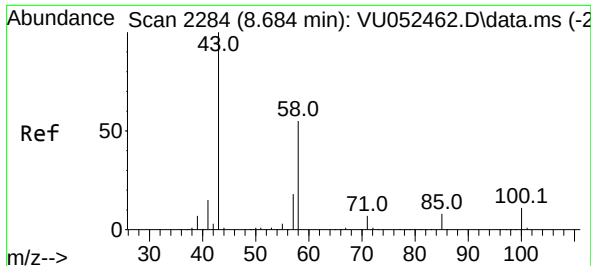
Tgt Ion: 97	Resp: 4835
Ion Ratio	Lower Upper
97 100	
99 66.8	42.0 78.0
83 87.7	63.2 117.4
85 64.7	40.2 74.6



#47
Tetrachloroethene
Concen: 0.460 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt	Ion:164	Resp:	3872
Ion	Ratio	Lower	Upper
164	100		
129	90.4	68.1	126.5
131	95.5	66.5	123.5
166	111.5	87.9	163.3

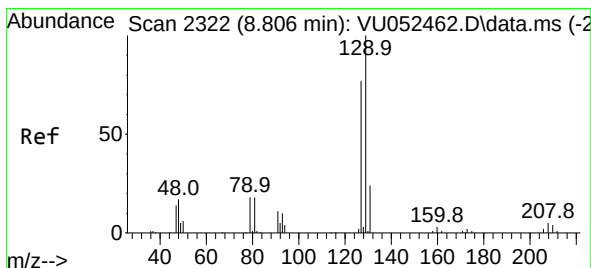
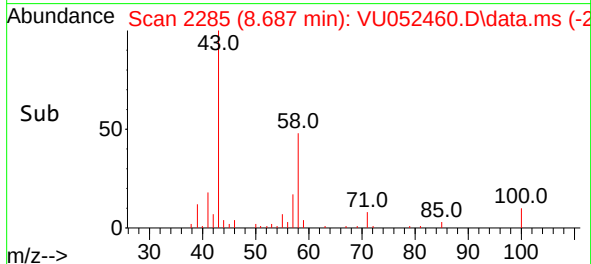
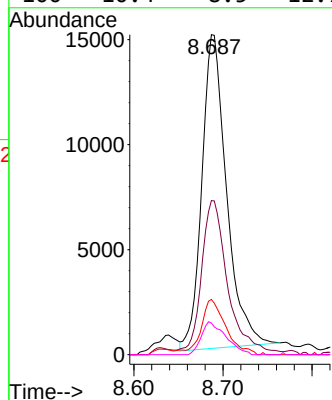
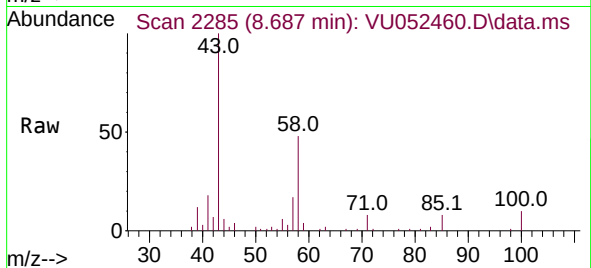




#48
2-Hexanone
Concen: 3.668 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

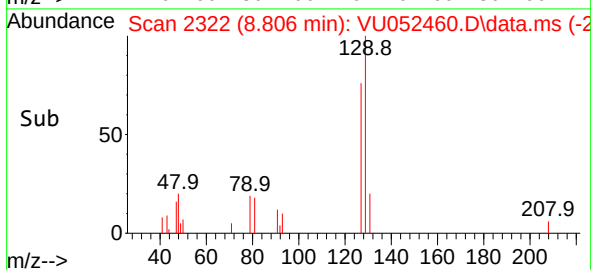
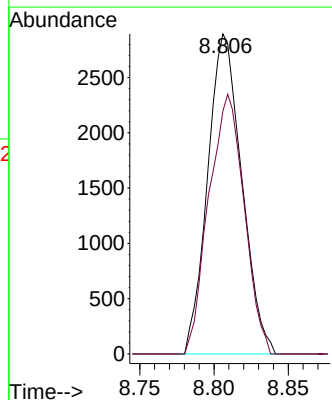
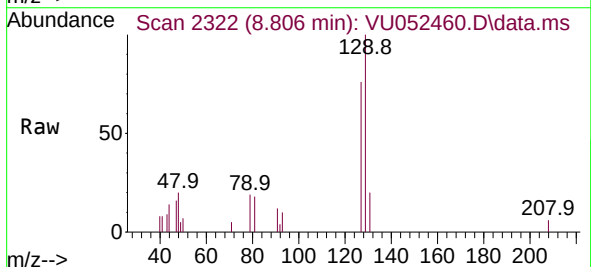
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

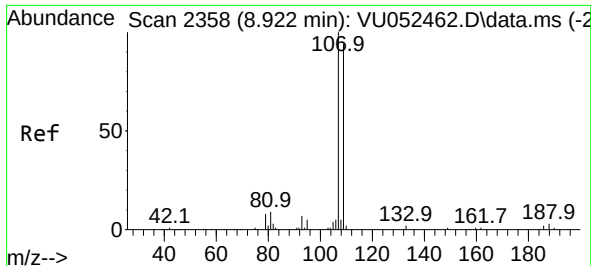
Tgt Ion: 43	Resp:	28799	
Ion	Ratio	Lower	Upper
43	100		
58	50.5	44.1	66.1
57	17.8	14.6	21.8
100	10.4	8.5	12.7



#49
Dibromochloromethane
Concen: 0.428 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion:129	Resp:	4617	
Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.2	100.6





#50

1,2-Dibromoethane

Concen: 0.448 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

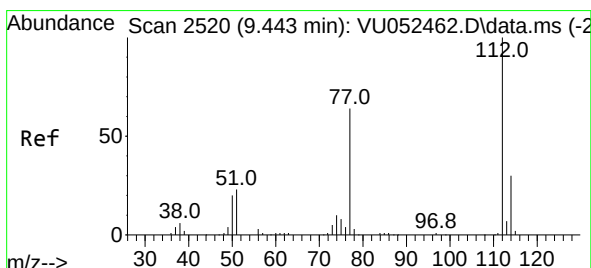
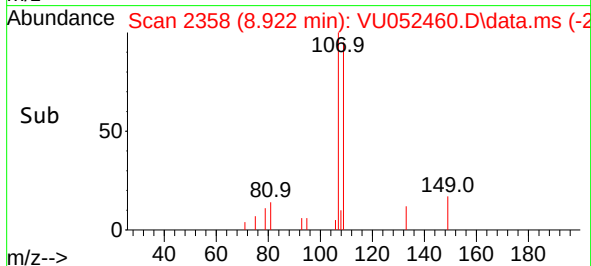
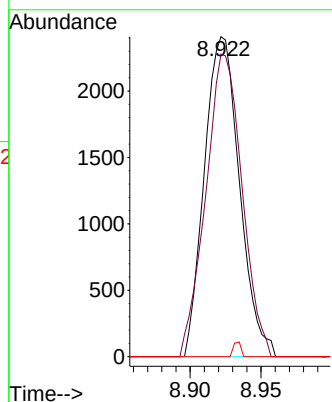
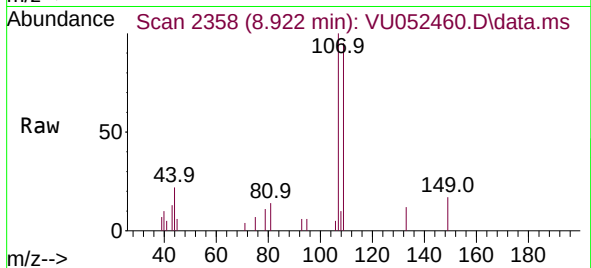
Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5074

Tgt Ion:	107	Resp:	4154
Ion	Ratio	Lower	Upper
107	100		
109	94.6	65.8	122.2
188	0.0	2.3	3.5



#51

Chlorobenzene

Concen: 0.452 ug/L

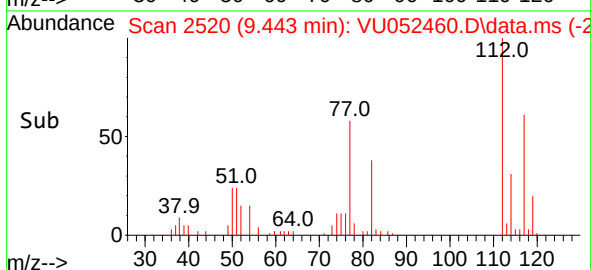
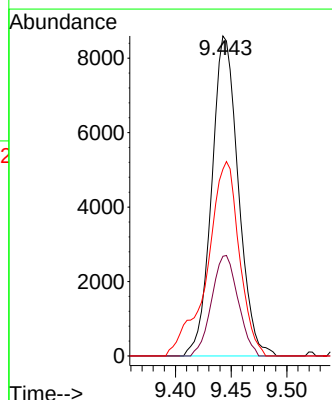
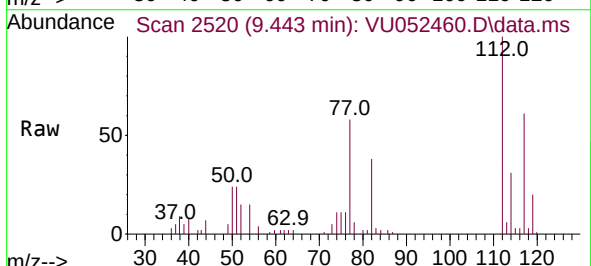
RT: 9.443 min Scan# 2520

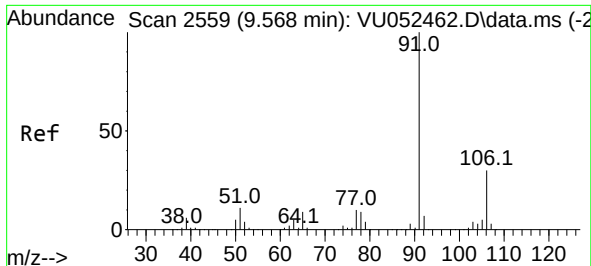
Delta R.T. -0.000 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Tgt Ion:	112	Resp:	14284
Ion	Ratio	Lower	Upper
112	100		
114	31.2	21.3	39.5
77	58.4	51.0	76.6

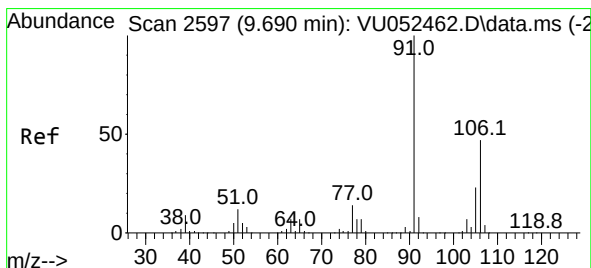
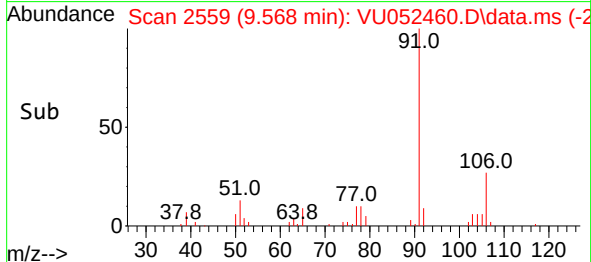
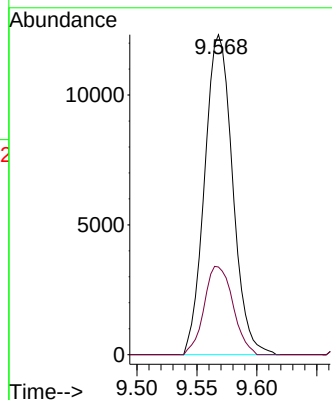
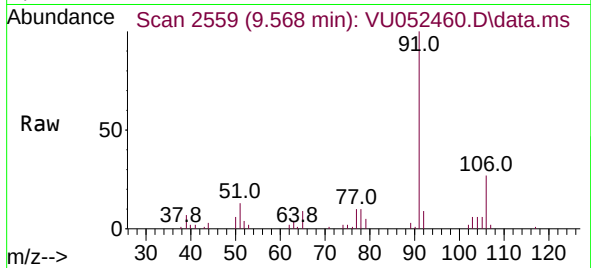




#52
Ethylbenzene
Concen: 0.391 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

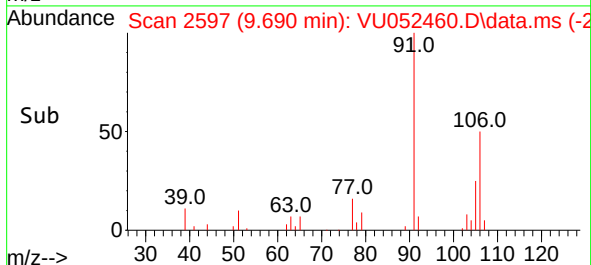
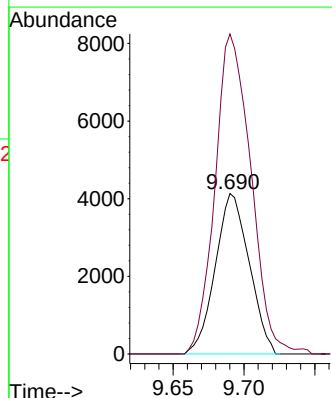
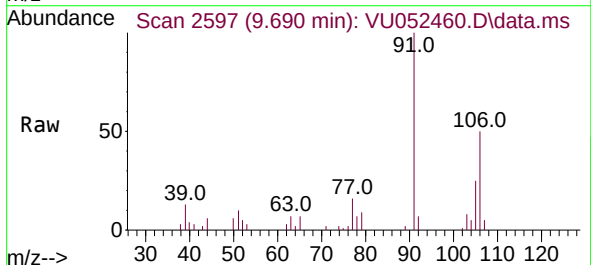
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

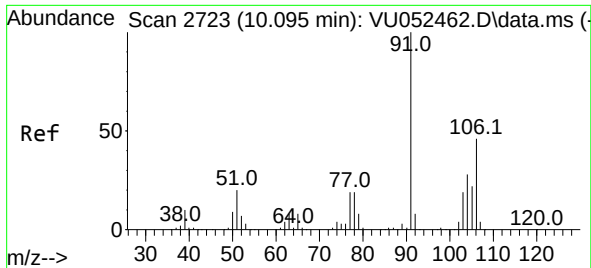
Tgt Ion: 91 Resp: 20022
Ion Ratio Lower Upper
91 100
106 27.4 20.9 38.7



#53
m,p-Xylene
Concen: 0.365 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 106 Resp: 6888
Ion Ratio Lower Upper
106 100
91 199.3 148.2 275.2

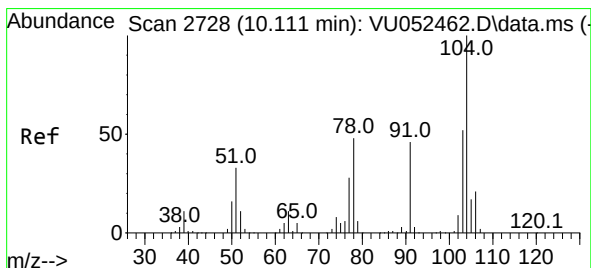
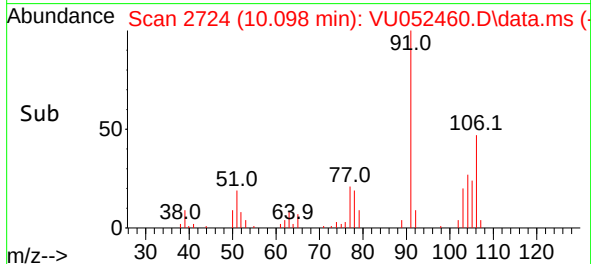
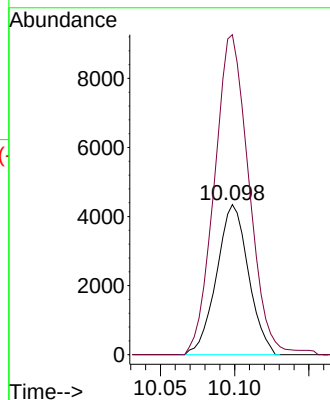
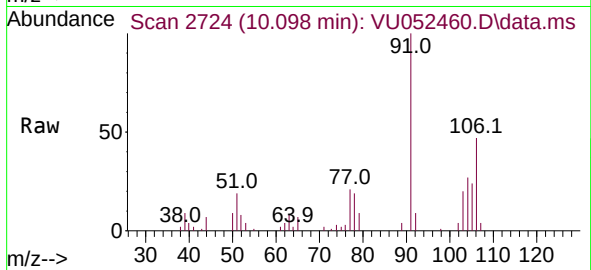




#54
o-Xylene
Concen: 0.358 ug/L
RT: 10.098 min Scan# 2723
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

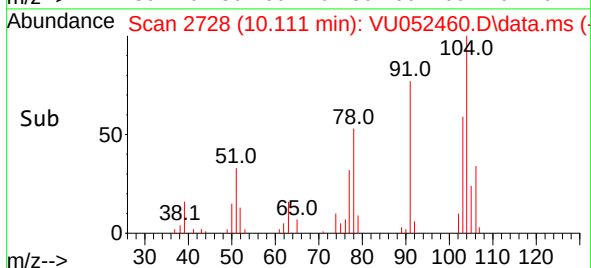
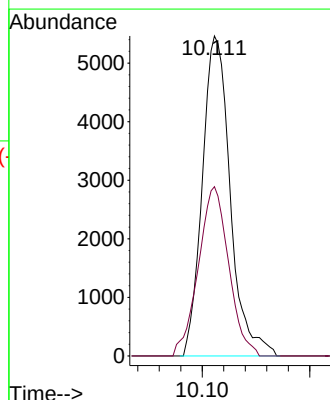
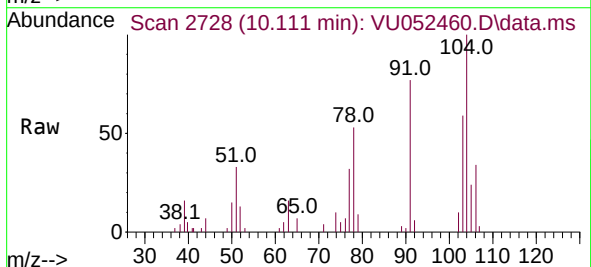
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

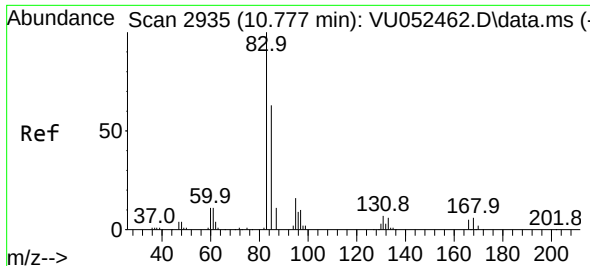
Tgt Ion:106 Resp: 6486
Ion Ratio Lower Upper
106 100
91 213.1 153.2 284.4



#55
Styrene
Concen: 0.313 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion:104 Resp: 9848
Ion Ratio Lower Upper
104 100
78 52.9 33.4 62.0

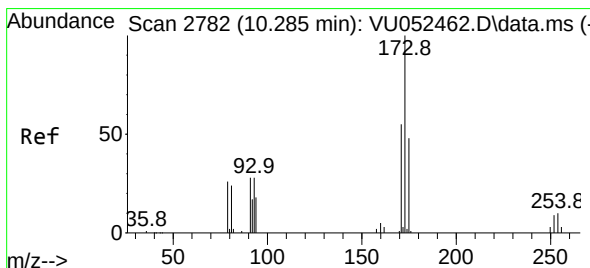
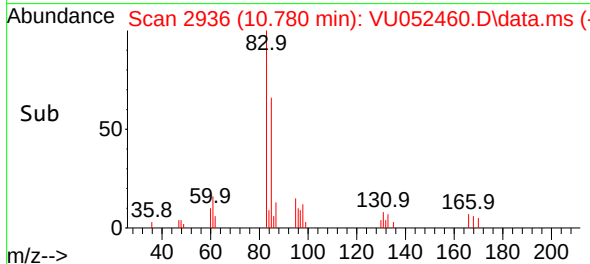
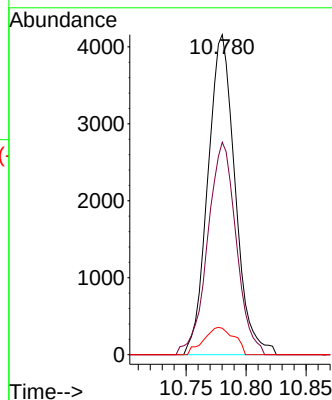
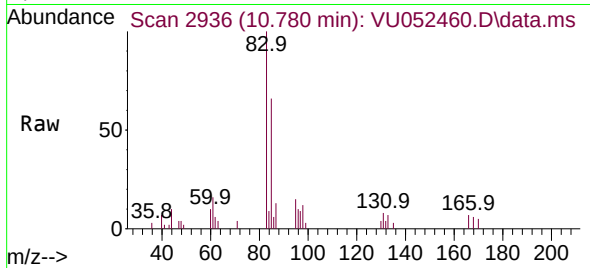




#57
1,1,2,2-Tetrachloroethane
Concen: 0.465 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

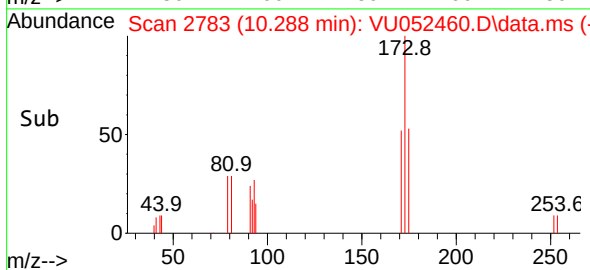
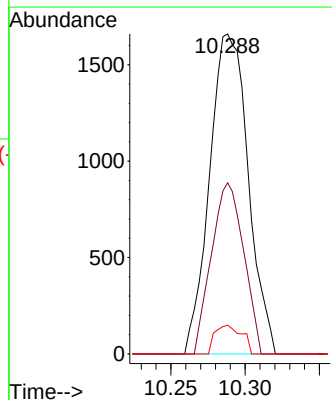
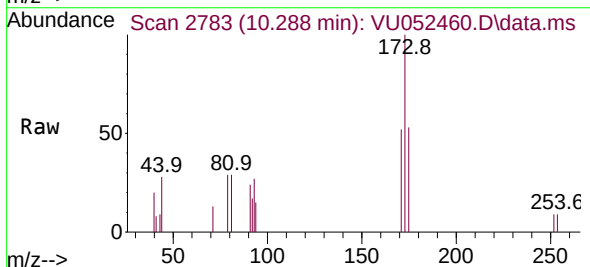
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

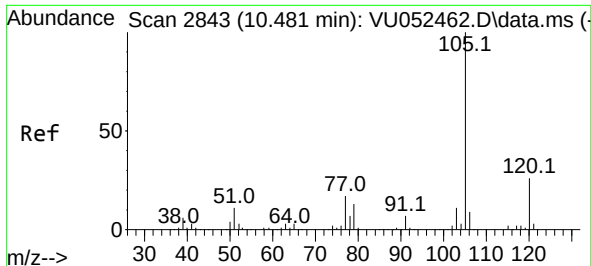
Tgt Ion: 83 Resp: 6560
Ion Ratio Lower Upper
83 100
85 66.4 44.7 83.1
131 8.3 6.0 9.0



#59
Bromoform
Concen: 0.532 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 173 Resp: 2999
Ion Ratio Lower Upper
173 100
175 44.6 38.9 58.3
254 6.2 7.0 10.6#

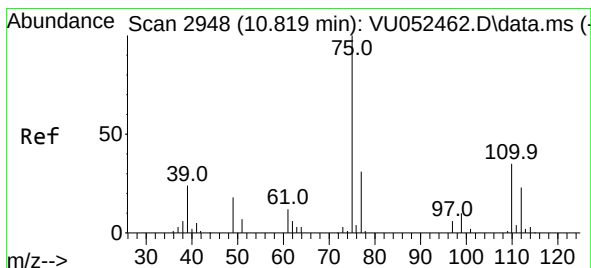
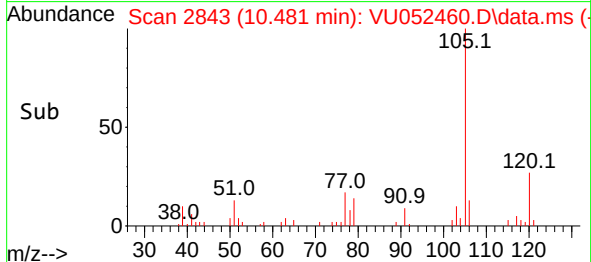
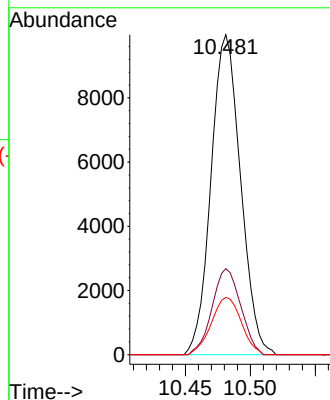
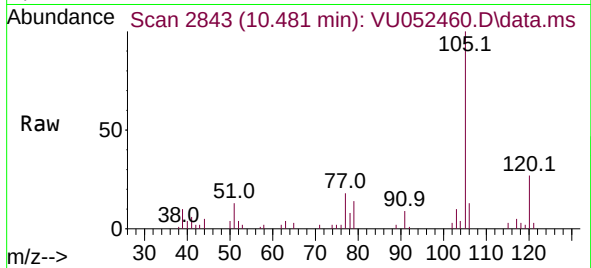




#60
Isopropylbenzene
Concen: 0.379 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

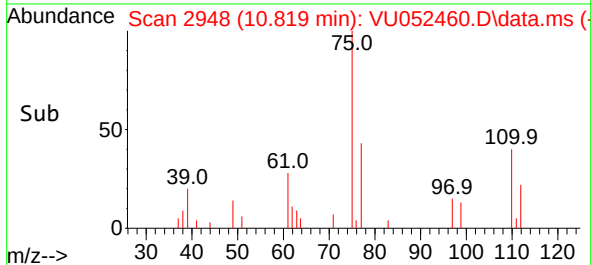
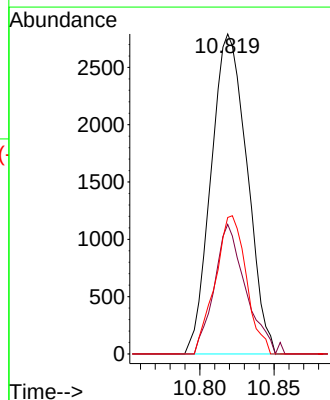
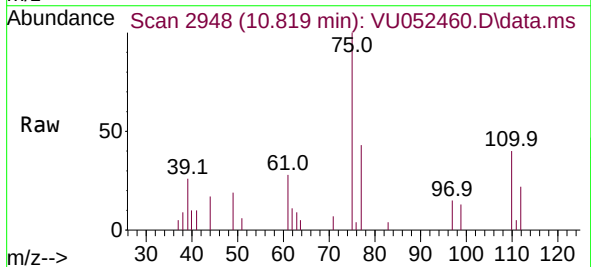
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

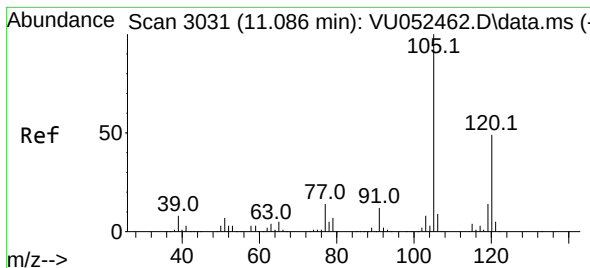
Tgt Ion:105 Resp: 15735
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 18.2 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 0.510 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion: 75 Resp: 4691
Ion Ratio Lower Upper
75 100
110 35.6 27.9 41.9
77 37.5 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 0.374 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

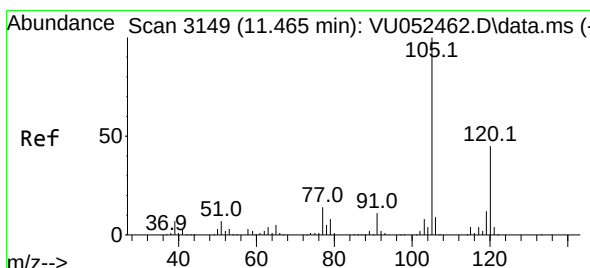
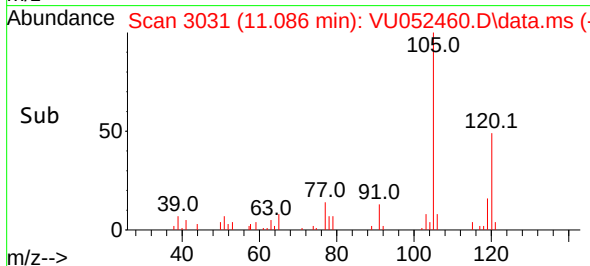
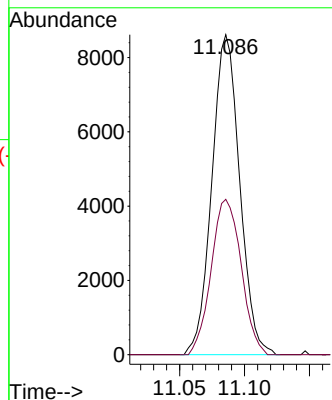
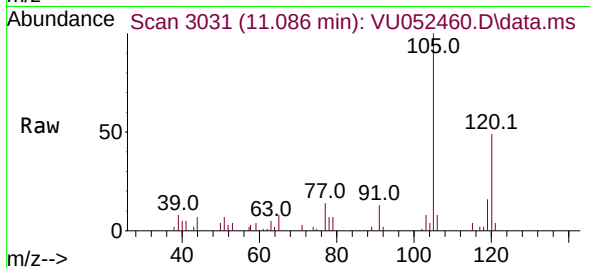
VSTD0.5074

Tgt Ion:105 Resp: 12812

Ion Ratio Lower Upper

105 100

120 52.3 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.367 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052460.D

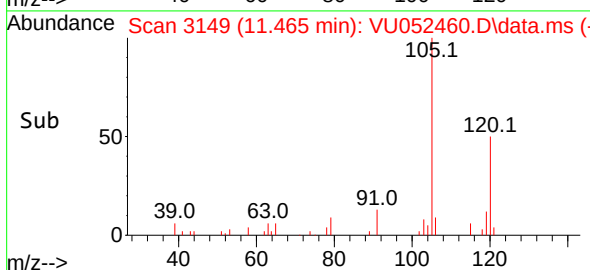
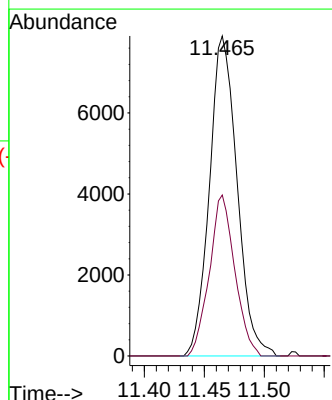
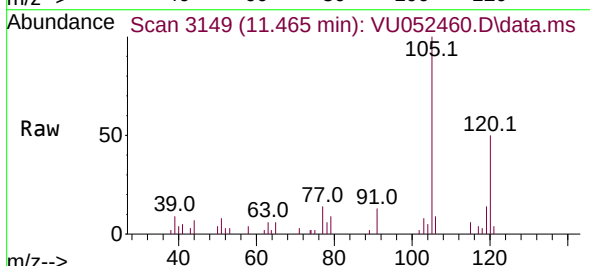
Acq: 20 Dec 2022 15:54

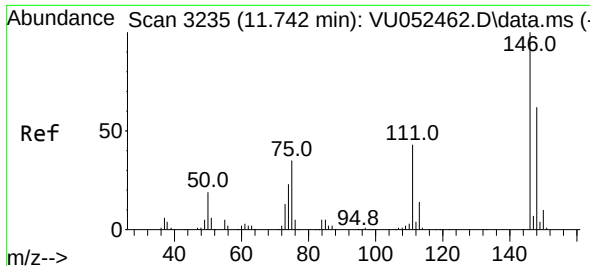
Tgt Ion:105 Resp: 12647

Ion Ratio Lower Upper

105 100

120 46.2 35.6 53.4

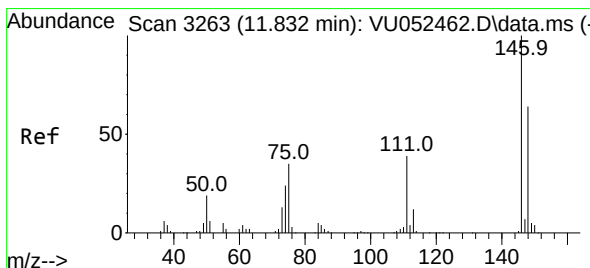
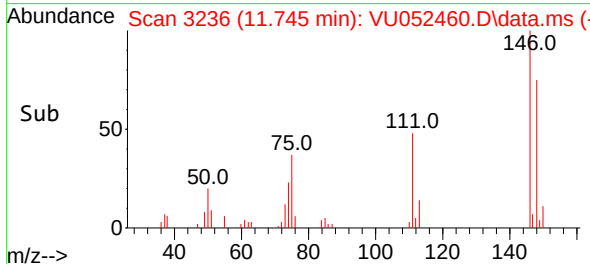
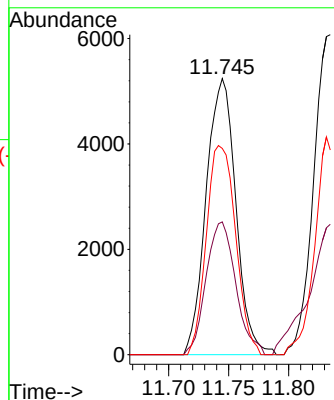
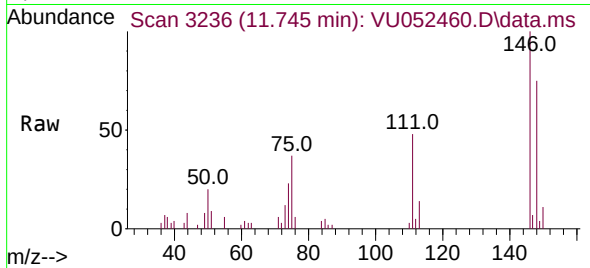




#64
1,3-Dichlorobenzene
Concen: 0.437 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

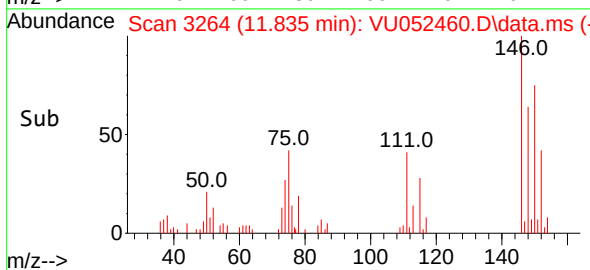
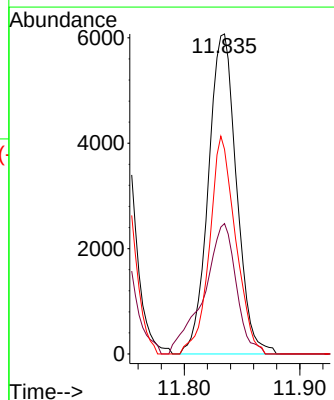
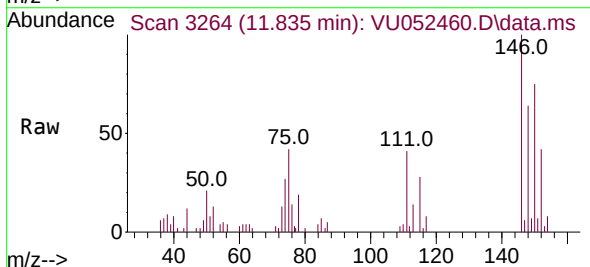
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5074

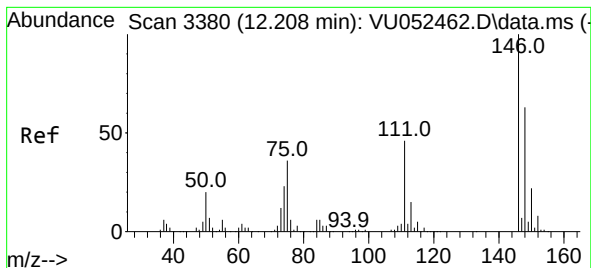
Tgt Ion:146 Resp: 9014
Ion Ratio Lower Upper
146 100
111 48.1 29.9 55.5
148 74.7 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 0.482 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU052460.D
Acq: 20 Dec 2022 15:54

Tgt Ion:146 Resp: 10279
Ion Ratio Lower Upper
146 100
111 40.7 27.5 51.1
148 64.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 0.467 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5074

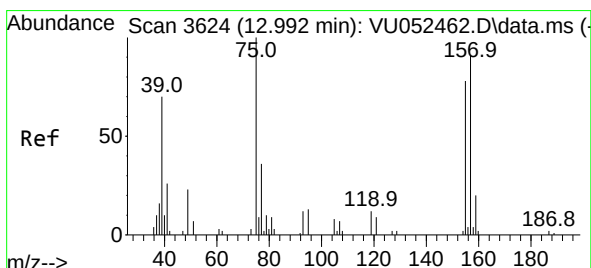
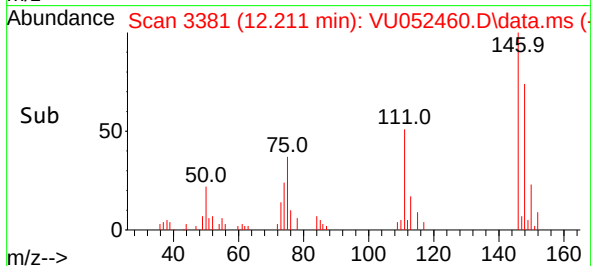
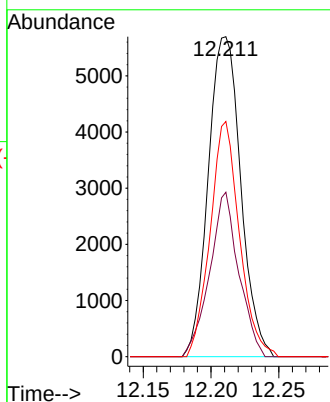
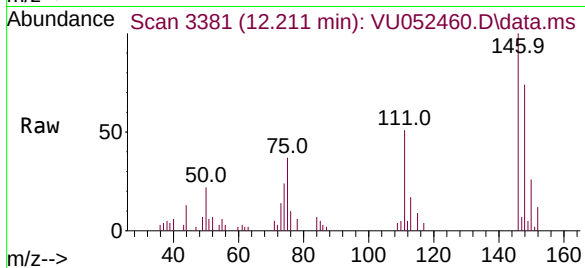
Tgt Ion:146 Resp: 9504

Ion Ratio Lower Upper

146 100

111 51.4 36.6 55.0

148 73.5 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.563 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

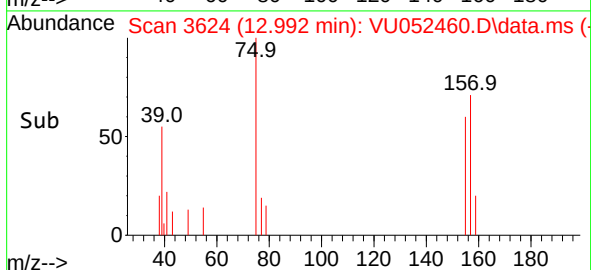
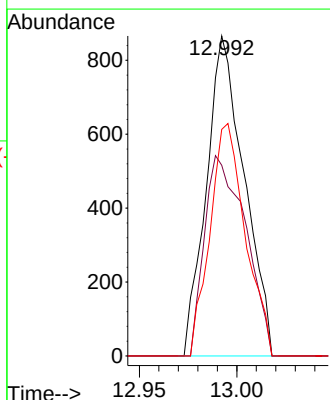
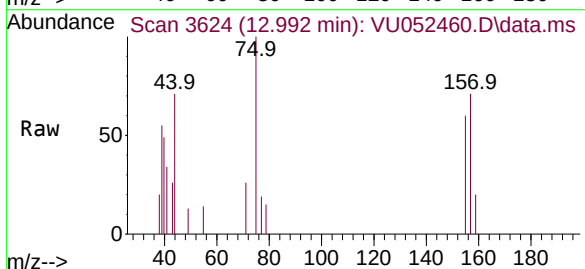
Tgt Ion: 75 Resp: 1171

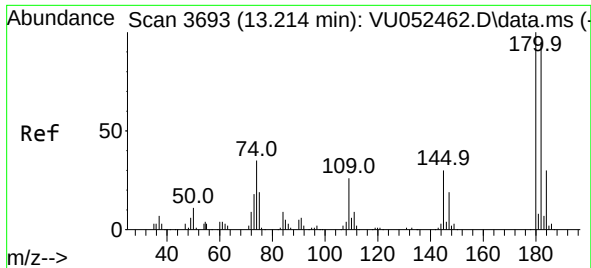
Ion Ratio Lower Upper

75 100

155 59.6 62.2 93.2#

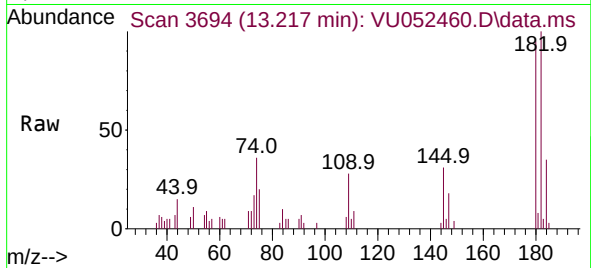
157 70.8 73.0 109.4#



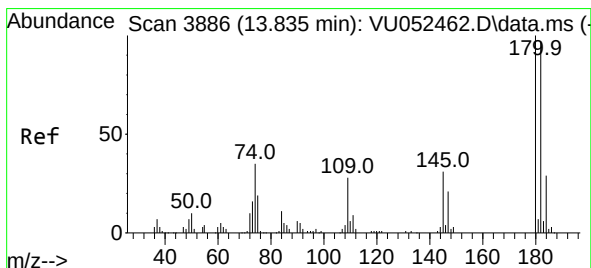
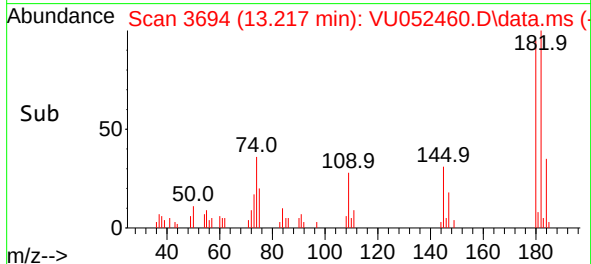
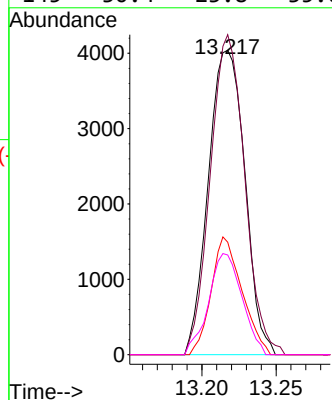


#69
 1,3,5-Trichlorobenzene
 Concen: 0.455 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.003 min
 Lab File: VU052460.D
 Acq: 20 Dec 2022 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5074

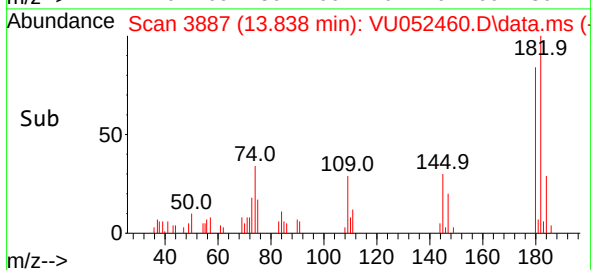
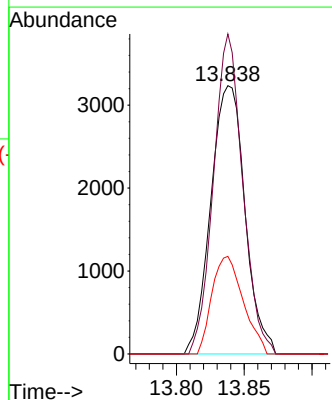
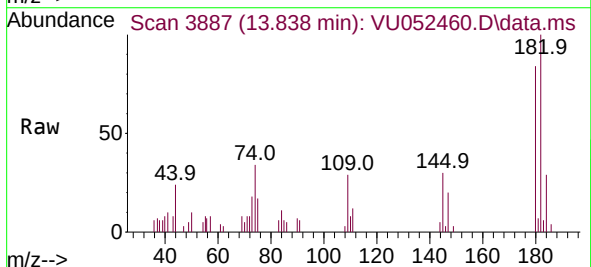


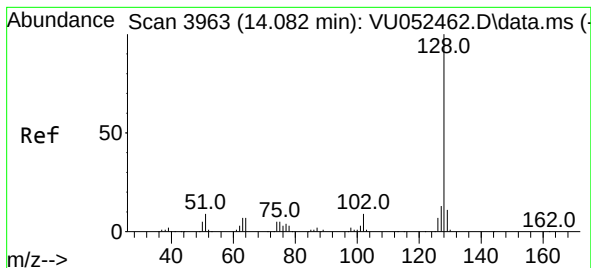
Tgt Ion:180 Resp: 6903
 Ion Ratio Lower Upper
 180 100
 182 99.0 75.8 113.8
 184 32.7 23.4 35.0
 145 30.4 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 0.444 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU052460.D
 Acq: 20 Dec 2022 15:54

Tgt Ion:180 Resp: 5667
 Ion Ratio Lower Upper
 180 100
 182 101.9 77.7 116.5
 145 33.2 24.0 36.0





#71

Naphthalene

Concen: 0.445 ug/L

RT: 14.085 min Scan# 3963

Delta R.T. 0.003 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5074

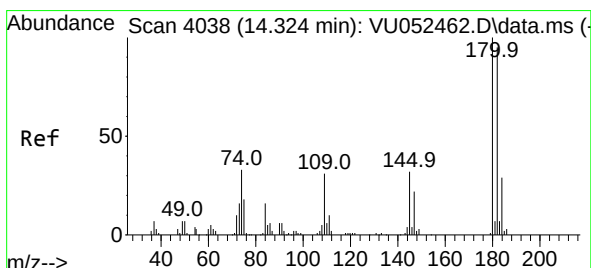
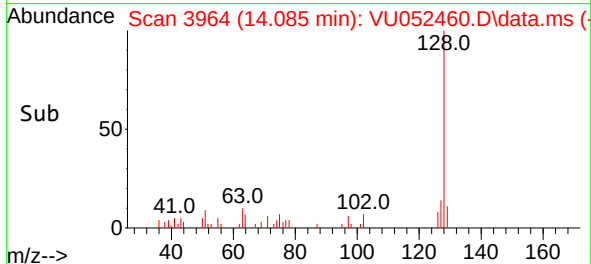
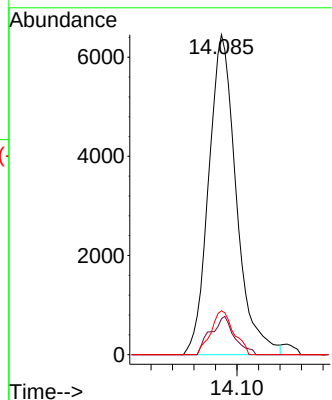
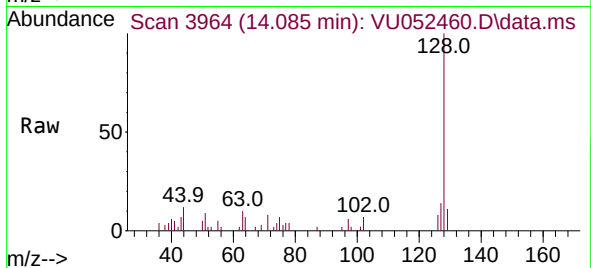
Tgt Ion:128 Resp: 11494

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

127 11.3 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 0.470 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU052460.D

Acq: 20 Dec 2022 15:54

Tgt Ion:180 Resp: 6022

Ion Ratio Lower Upper

180 100

182 91.0 76.3 114.5

145 29.9 25.8 38.8

