

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112921\
 Data File : VU046020.D
 Acq On : 29 Nov 2021 13:32
 Operator : SY/MD
 Sample : VSTD10034
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100034

Quant Time: Nov 30 01:55:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 30 01:52:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	190742	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	191086	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	104703	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	158903	102.601	ug/L	0.00
7) Chloroethane-d5	1.919	69	120562	97.225	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.575	63	281613	102.342	ug/L	0.00
21) 2-Butanone-d5	4.645	46	255256	199.247	ug/L	0.00
24) Chloroform-d	5.067	84	268703	98.003	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.707	65	173157	95.423	ug/L	0.00
32) Benzene-d6	5.732	84	553955	95.250	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	169789	91.402	ug/L	0.00
41) Toluene-d8	7.903	98	509632	99.481	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	87192	99.447	ug/L	0.00
47) 2-Hexanone-d5	8.639	63	183390	188.996	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.761	84	262944	94.669	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	199469	95.878	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	204779	116.382	ug/L	99
3) Chloromethane	1.523	50	178883	89.593	ug/L	99
5) Vinyl chloride	1.607	62	185968	98.240	ug/L	100
6) Bromomethane	1.861	94	108456	108.975	ug/L	96
8) Chloroethane	1.938	64	106579	93.973	ug/L	100
9) Trichlorofluoromethane	2.144	101	244770	106.656	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	138201	99.988	ug/L	99
12) 1,1-Dichloroethene	2.584	96	131693	101.304	ug/L	97
13) Acetone	2.665	43	283775	243.019	ug/L	96
14) Carbon disulfide	2.800	76	401727	106.226	ug/L	100
15) Methyl Acetate	2.961	43	173855	97.229	ug/L	98
16) Methylene chloride	3.051	84	146299	92.167	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	139491	100.090	ug/L	100
18) Methyl tert-butyl Ether	3.369	73	447028	93.986	ug/L	100
19) 1,1-Dichloroethane	3.874	63	250262	92.128	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	152796	97.249	ug/L	100
22) 2-Butanone	4.726	43	324140	215.117	ug/L	98
23) Bromochloromethane	4.980	128	76856	100.639	ug/L	93
25) Chloroform	5.092	83	264601	95.528	ug/L	99
27) 1,2-Dichloroethane	5.800	62	202986	91.151	ug/L	100
29) Cyclohexane	5.395	56	232673	87.955	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	232059	96.850	ug/L	100
31) Carbon tetrachloride	5.530	117	202117	104.506	ug/L	98
33) Benzene	5.777	78	575794	89.440	ug/L	100
34) Trichloroethene	6.546	95	148382	94.378	ug/L	98
35) Methylcyclohexane	6.768	83	248927	92.047	ug/L	99
37) 1,2-Dichloropropane	6.793	63	147721	86.581	ug/L	99
38) Bromodichloromethane	7.108	83	198925	91.897	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	247389	94.981	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	460446	182.942	ug/L	99
42) Toluene	7.973	91	628027	93.053	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	242223	97.380	ug/L	99

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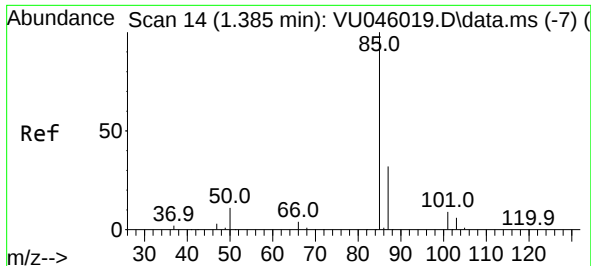
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.404	97	147750	92.506	ug/L	98
46) Tetrachloroethene	8.555	164	111121	98.758	ug/L	99
48) 2-Hexanone	8.690	43	406938	191.165	ug/L	98
49) Dibromochloromethane	8.813	129	162701	103.541	ug/L	97
50) 1,2-Dibromoethane	8.928	107	164663	97.247	ug/L	98
51) Chlorobenzene	9.449	112	391359	95.167	ug/L	99
52) Ethylbenzene	9.575	91	695560	96.513	ug/L	100
53) m,p-Xylene	9.697	106	269911	97.827	ug/L	99
54) o-xylene	10.105	106	261517	96.187	ug/L	98
55) Styrene	10.118	104	459588	100.228	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	263623	94.130	ug/L	98
59) Bromoform	10.295	173	124266	103.743	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	218414	87.614	ug/L	99
61) Isopropylbenzene	10.488	105	702157	92.727	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	615943	95.796	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	619836	95.263	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	318576	94.422	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	322862	94.253	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	315759	91.145	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	62255	86.585	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	240548	96.419	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	221220	97.540	ug/L	99
71) Naphthalene	14.089	128	817859	95.895	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	221861	95.526	ug/L	99

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

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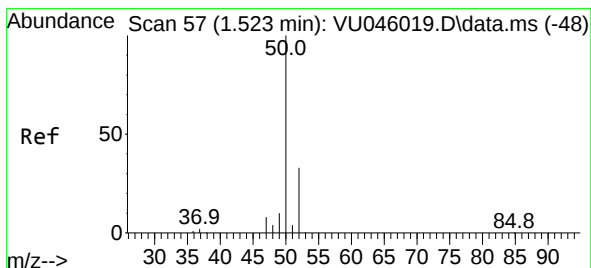
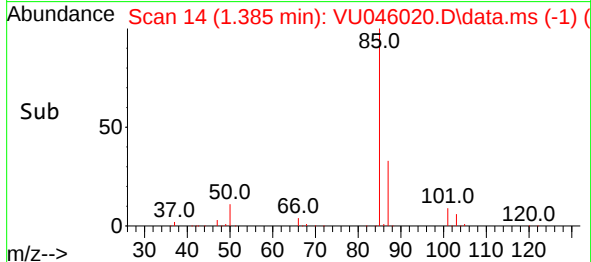
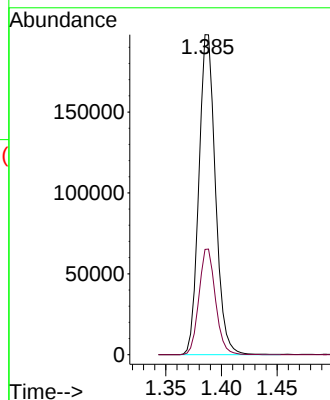
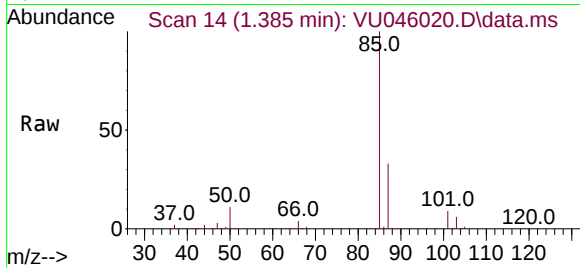




#2
 Dichlorodifluoromethane
 Concen: 116.382 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU046020.D
 Acq: 29 Nov 2021 13:32

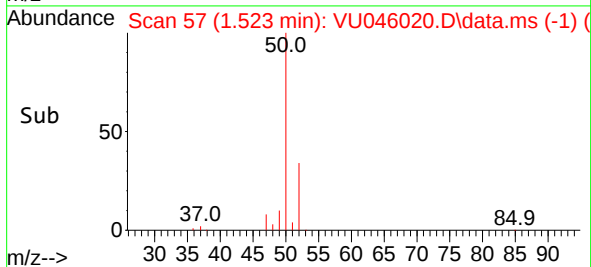
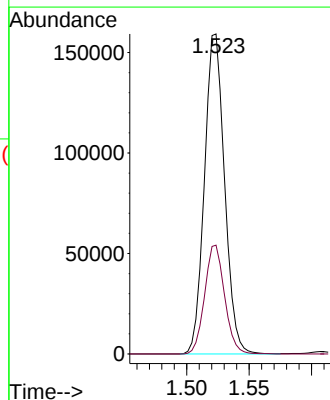
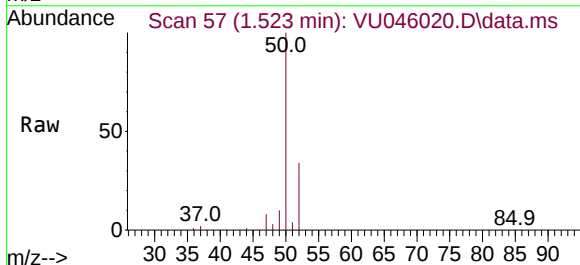
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100034

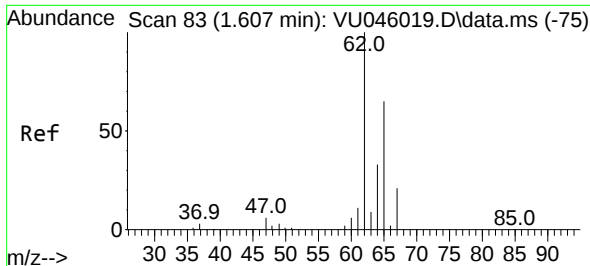
Tgt Ion: 85 Resp: 204779
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.7 38.5



#3
 Chloromethane
 Concen: 89.593 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. 0.000 min
 Lab File: VU046020.D
 Acq: 29 Nov 2021 13:32

Tgt Ion: 50 Resp: 178883
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.2 43.2

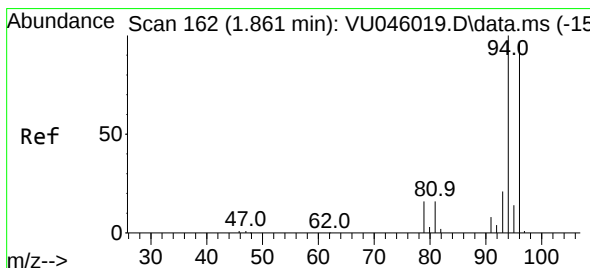
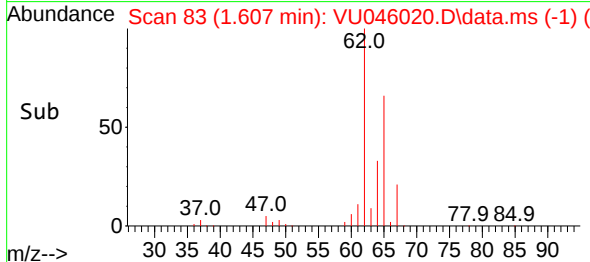
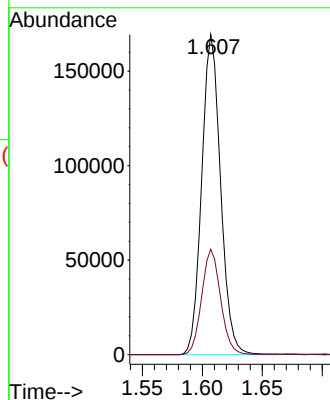
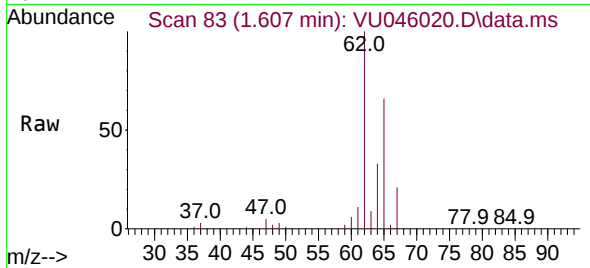




#5
 Vinyl chloride
 Concen: 98.240 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046020.D
 Acq: 29 Nov 2021 13:32

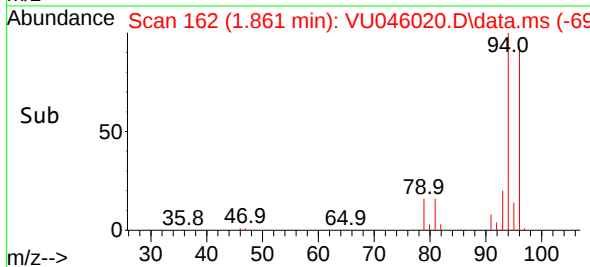
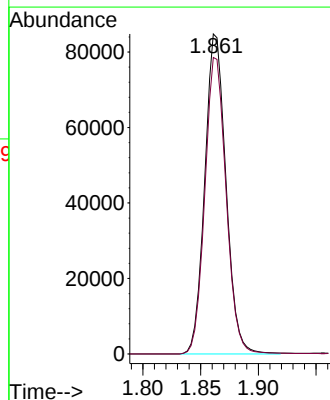
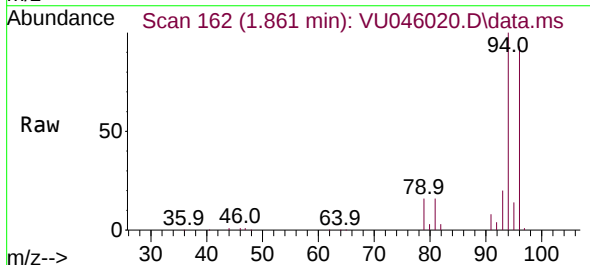
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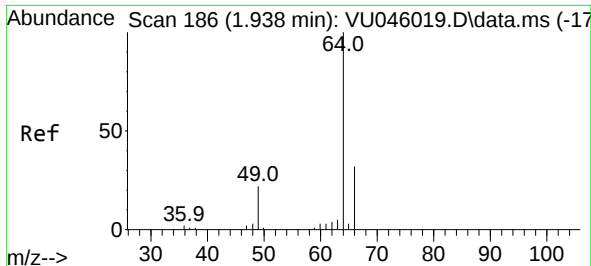
Tgt Ion: 62 Resp: 185968
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5



#6
 Bromomethane
 Concen: 108.975 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU046020.D
 Acq: 29 Nov 2021 13:32

Tgt Ion: 94 Resp: 108456
 Ion Ratio Lower Upper
 94 100
 96 92.6 67.4 125.2

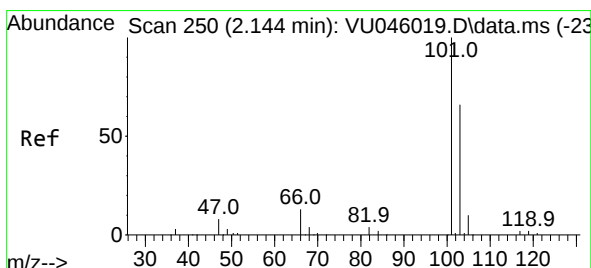
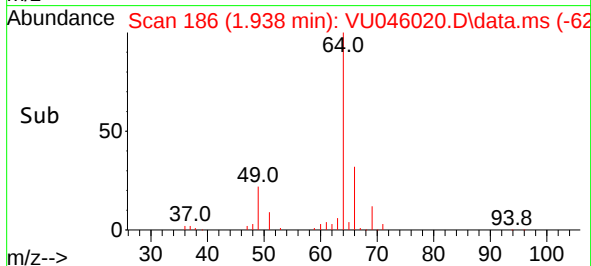
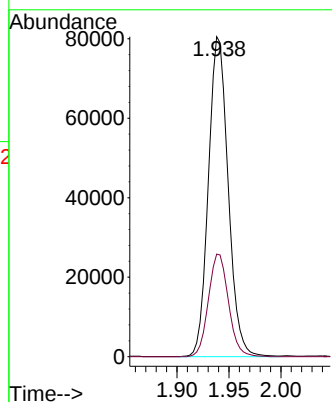
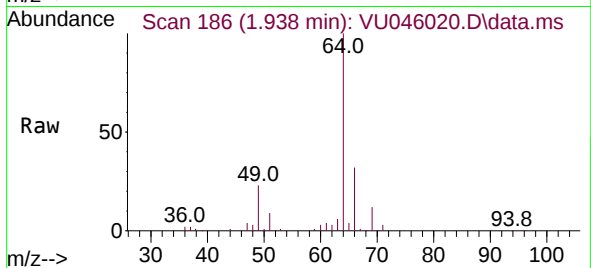




#8
Chloroethane
Concen: 93.973 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

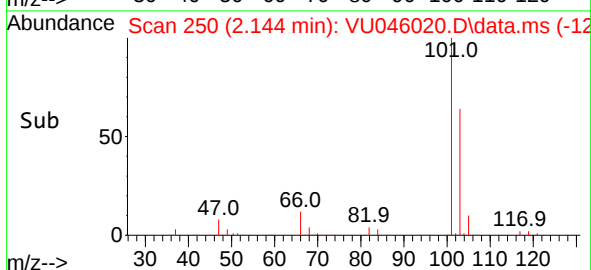
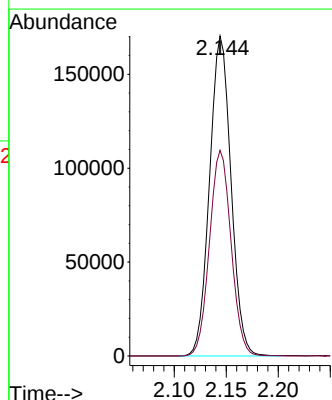
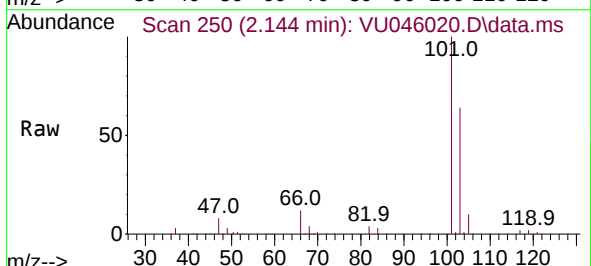
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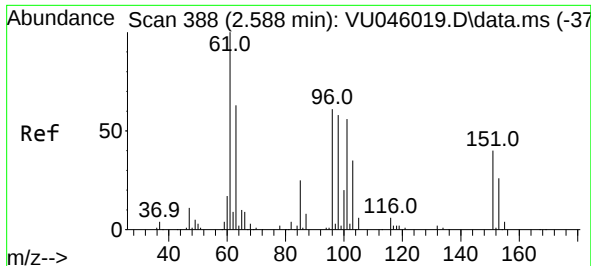
Tgt Ion: 64 Resp: 106579
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 106.656 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion:101 Resp: 244770
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6

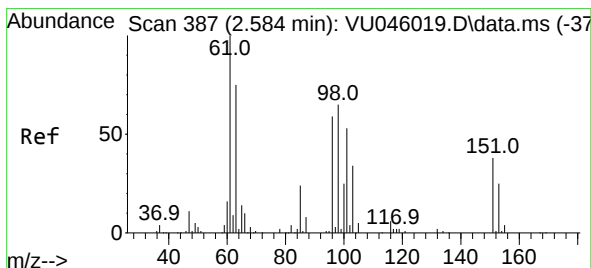
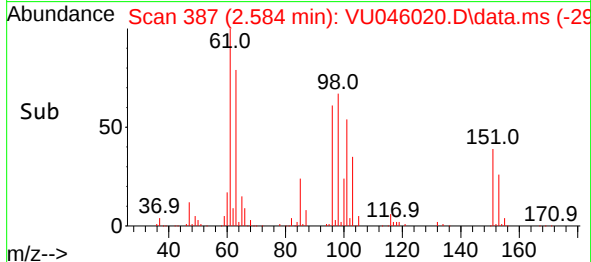
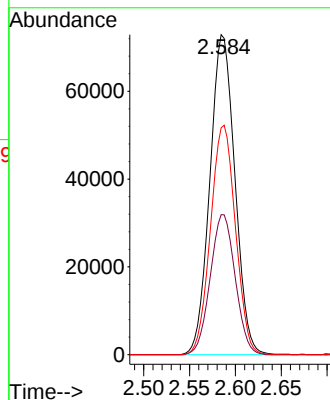
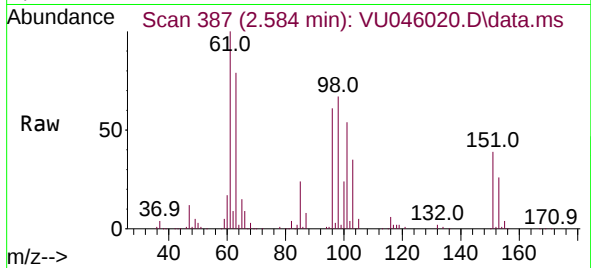




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 99.988 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

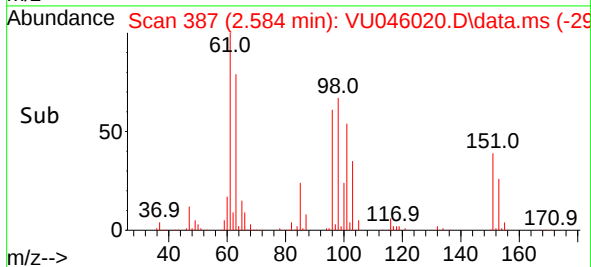
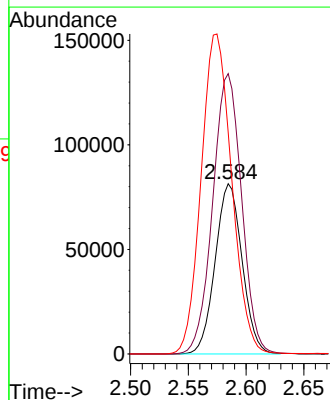
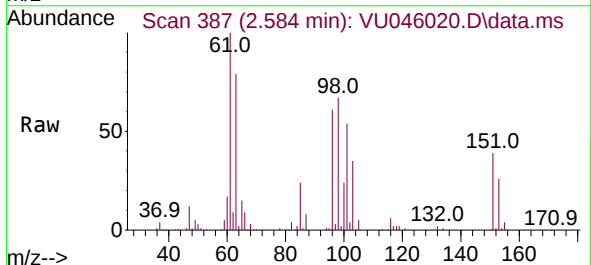
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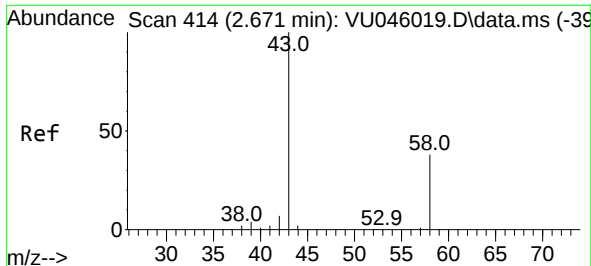
Tgt Ion:101 Resp: 138201
Ion Ratio Lower Upper
101 100
85 43.6 35.1 52.7
151 71.4 56.7 85.1



#12
1,1-Dichloroethene
Concen: 101.304 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion: 96 Resp: 131693
Ion Ratio Lower Upper
96 100
61 164.7 118.6 220.2
63 130.2 93.0 172.8





#13

Acetone

Concen: 243.019 ug/L

RT: 2.665 min Scan# 414

Delta R.T. -0.006 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

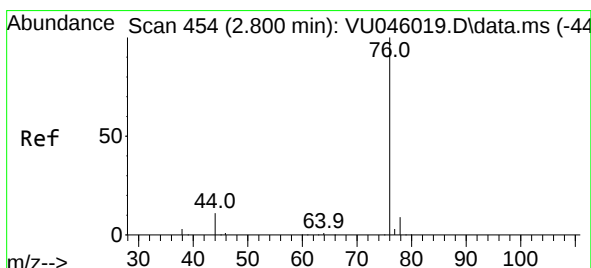
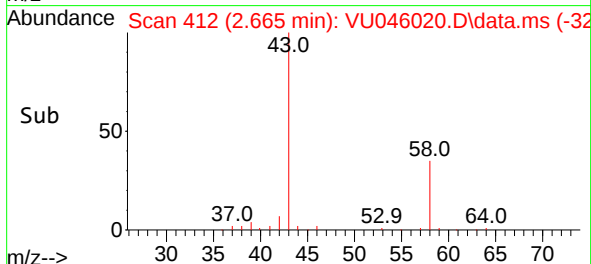
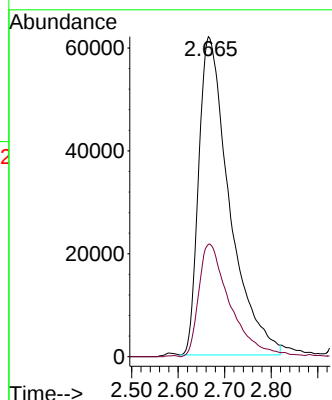
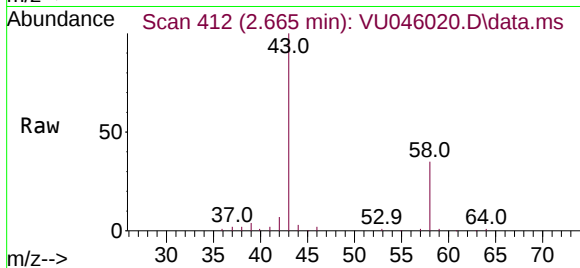
VSTD100034

Tgt Ion: 43 Resp: 283775

Ion Ratio Lower Upper

43 100

58 35.9 0.0 66.8



#14

Carbon disulfide

Concen: 106.226 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU046020.D

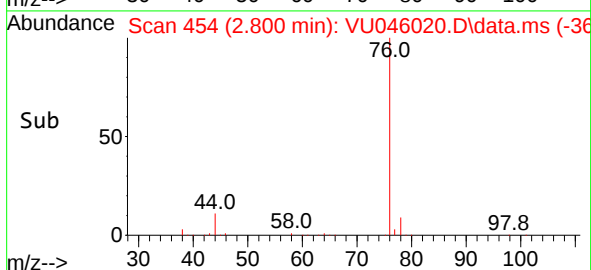
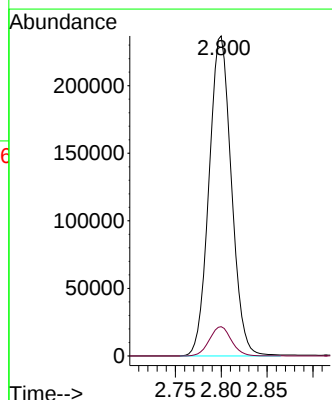
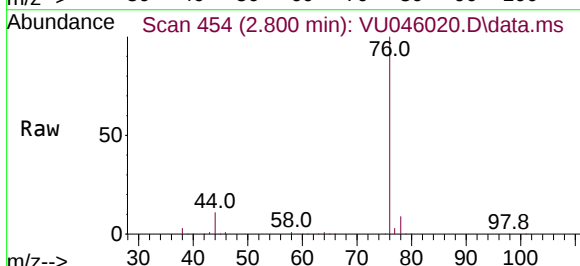
Acq: 29 Nov 2021 13:32

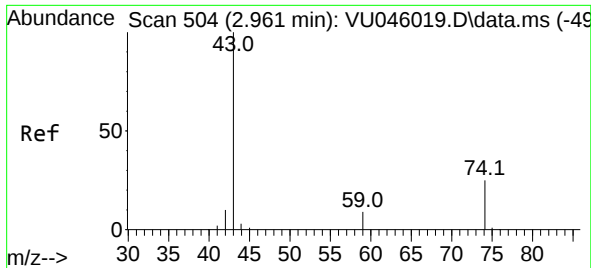
Tgt Ion: 76 Resp: 401727

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

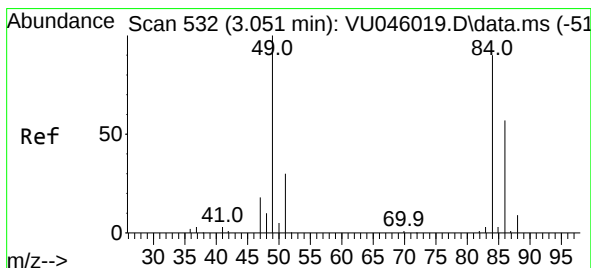
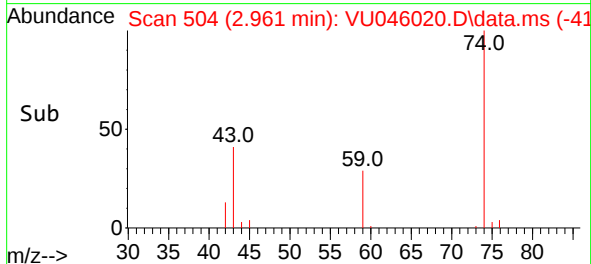
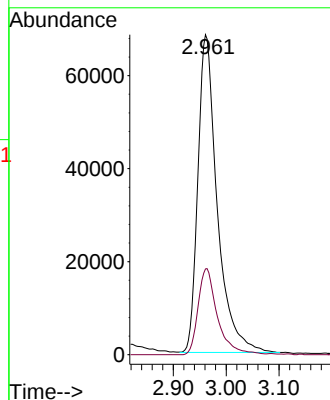
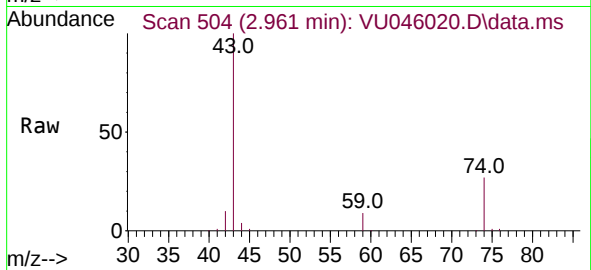




#15
Methyl Acetate
Concen: 97.229 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

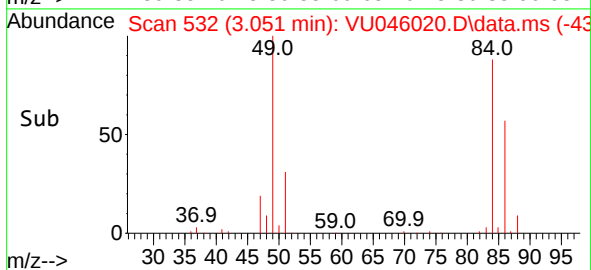
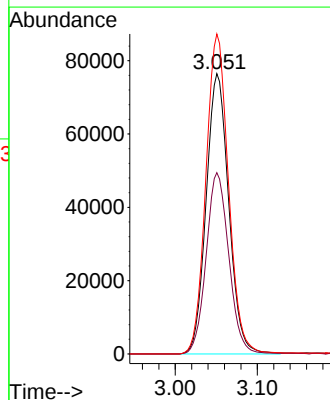
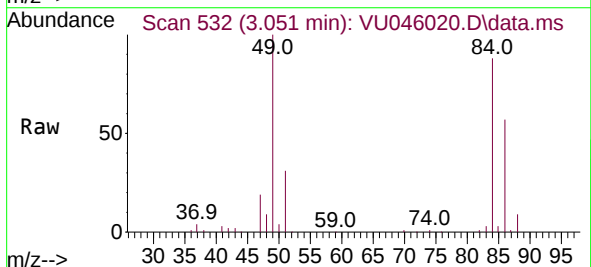
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

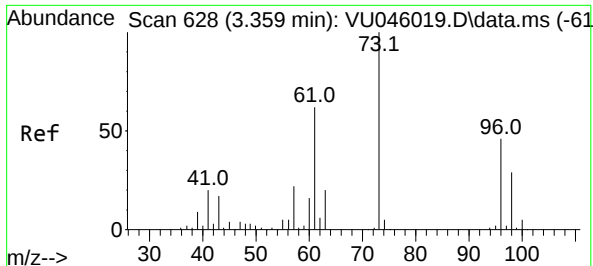
Tgt Ion: 43 Resp: 173855
Ion Ratio Lower Upper
43 100
74 27.0 20.8 31.2



#16
Methylene chloride
Concen: 92.167 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion: 84 Resp: 146299
Ion Ratio Lower Upper
84 100
86 64.7 44.7 83.1
49 114.1 78.4 145.6





#17

trans-1,2-Dichloroethene

Concen: 100.090 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

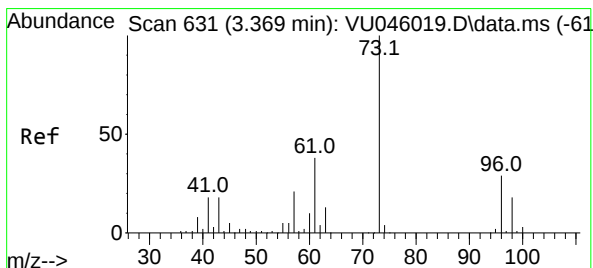
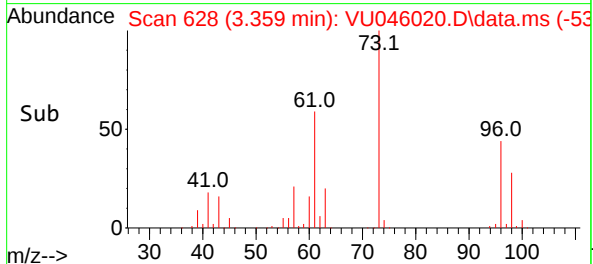
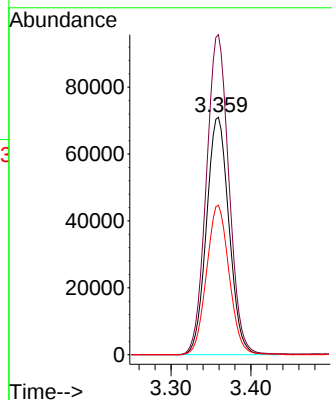
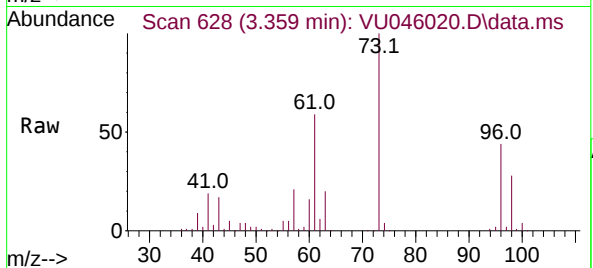
Tgt Ion: 96 Resp: 139491

Ion Ratio Lower Upper

96 100

61 134.7 94.6 175.6

98 62.9 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 93.986 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

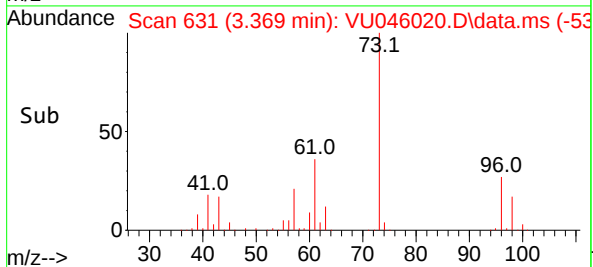
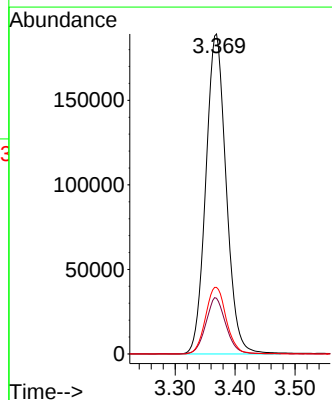
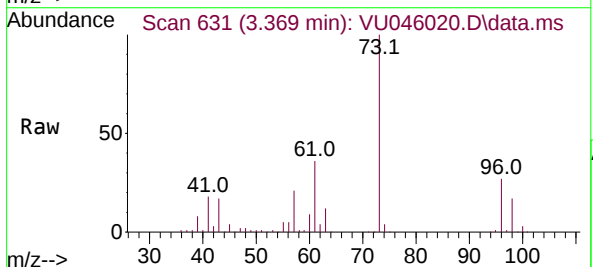
Tgt Ion: 73 Resp: 447028

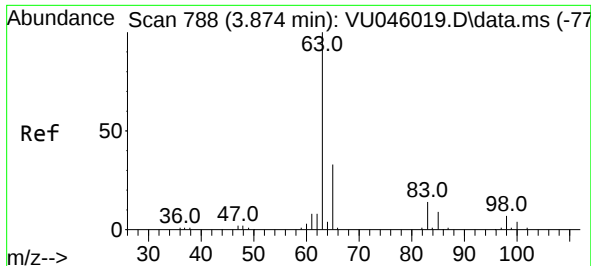
Ion Ratio Lower Upper

73 100

43 17.1 14.0 21.0

57 21.3 17.0 25.4





#19

1,1-Dichloroethane

Concen: 92.128 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

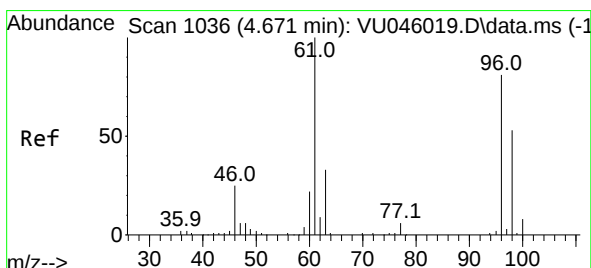
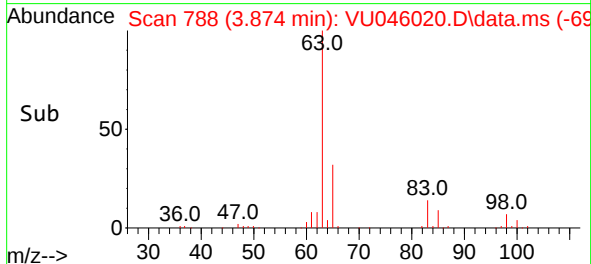
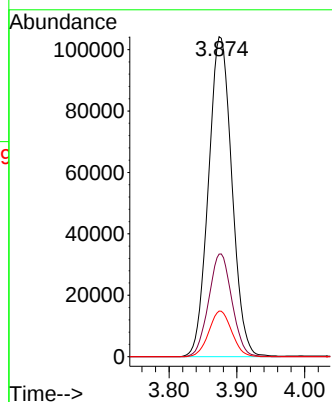
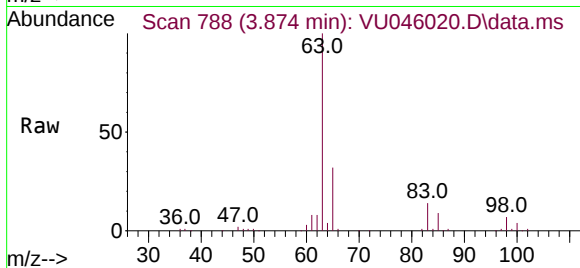
Tgt Ion: 63 Resp: 250262

Ion Ratio Lower Upper

63 100

65 32.1 22.8 42.4

83 14.2 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 97.249 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

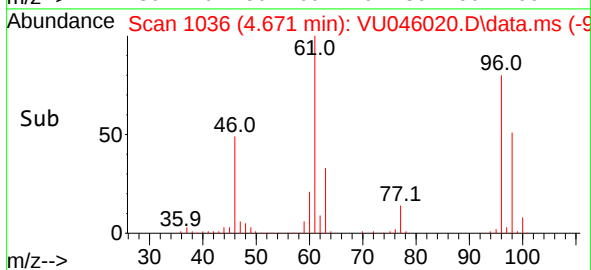
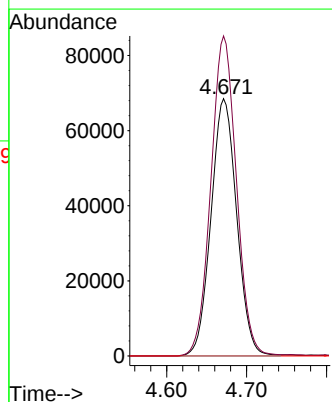
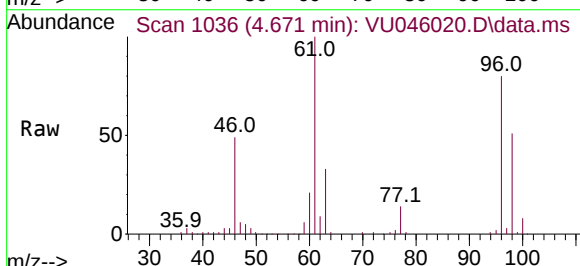
Tgt Ion: 96 Resp: 152796

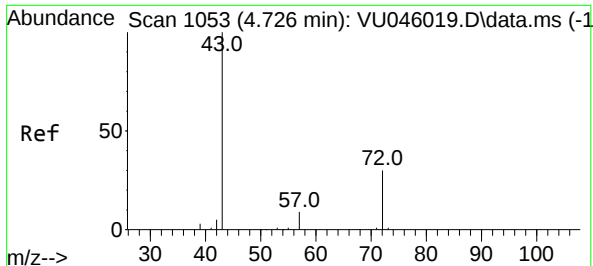
Ion Ratio Lower Upper

96 100

61 124.4 86.8 161.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 215.117 ug/L

RT: 4.726 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

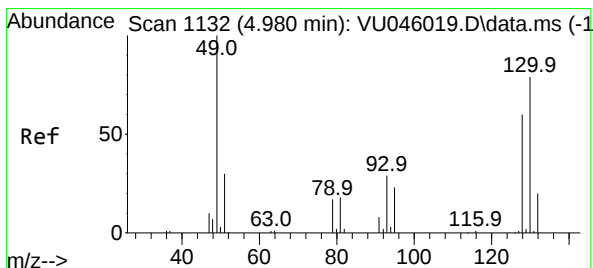
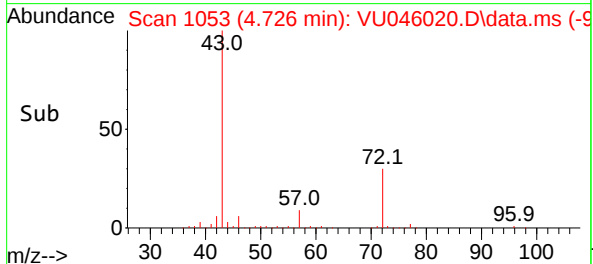
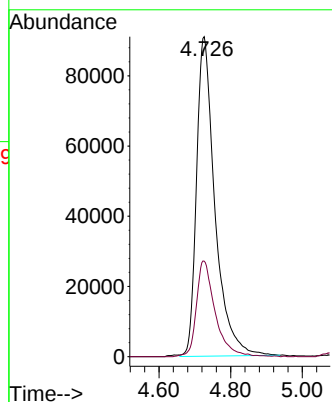
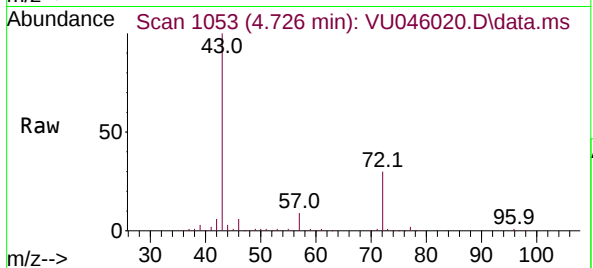
VSTD100034

Tgt Ion: 43 Resp: 324140

Ion Ratio Lower Upper

43 100

72 30.1 14.5 43.6



#23

Bromochloromethane

Concen: 100.639 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Tgt Ion: 128 Resp: 76856

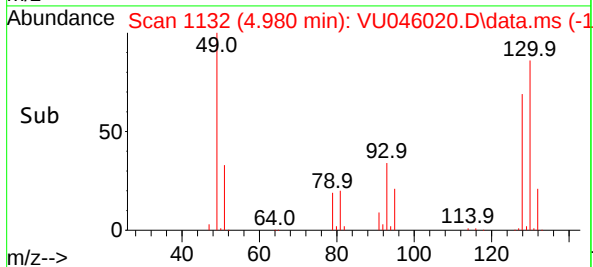
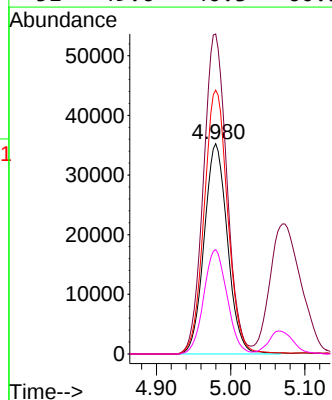
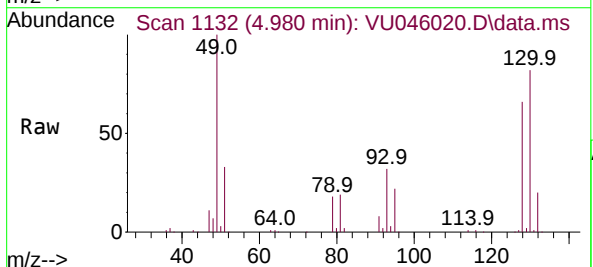
Ion Ratio Lower Upper

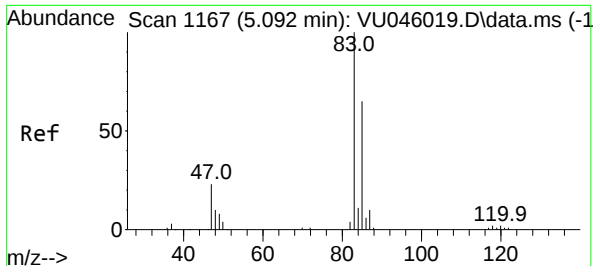
128 100

49 152.3 115.9 215.3

130 125.6 91.8 170.4

51 49.6 40.3 60.5

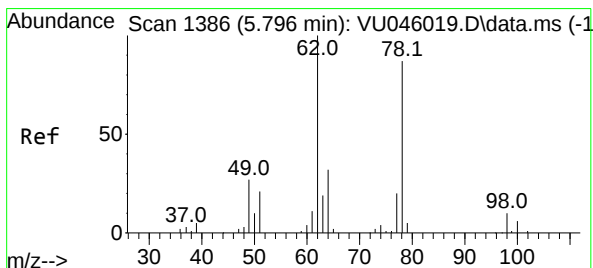
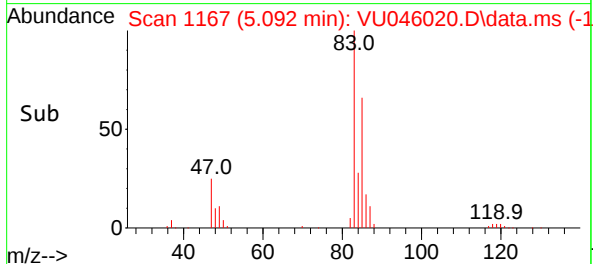
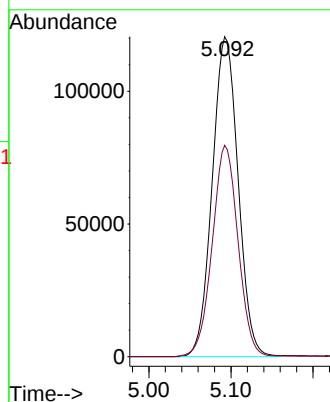
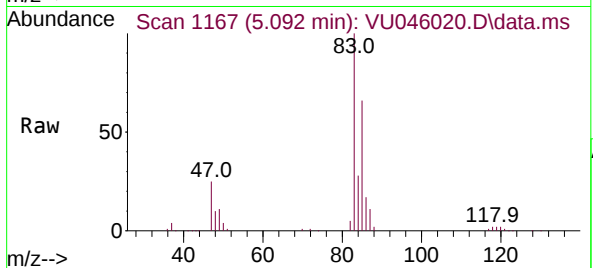




#25
Chloroform
Concen: 95.528 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

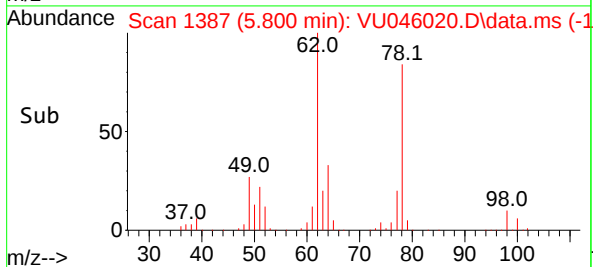
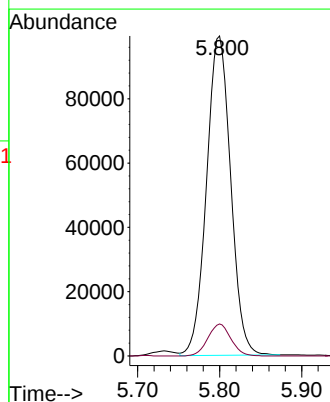
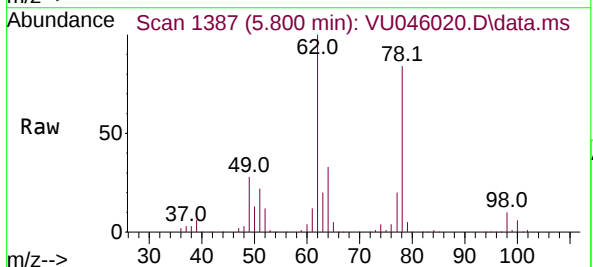
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

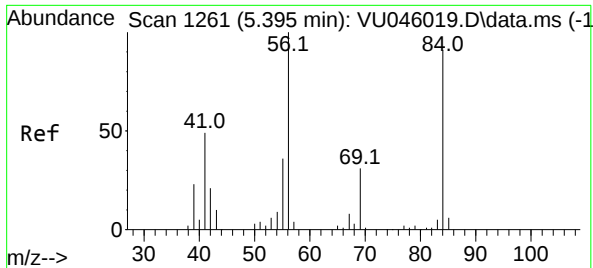
Tgt Ion: 83 Resp: 264601
Ion Ratio Lower Upper
83 100
85 66.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 91.151 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. 0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion: 62 Resp: 202986
Ion Ratio Lower Upper
62 100
98 10.0 7.9 11.9





#29

Cyclohexane

Concen: 87.955 ug/L

RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

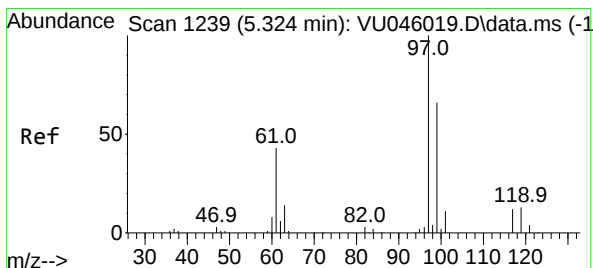
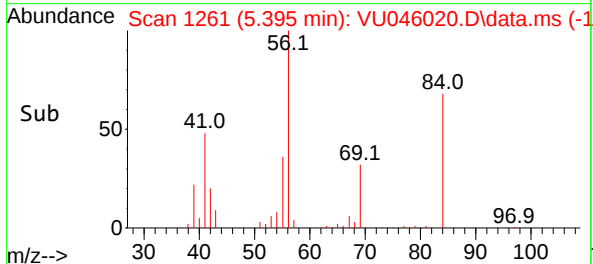
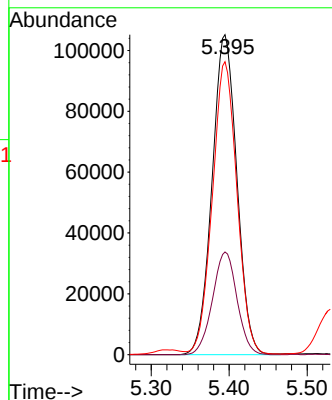
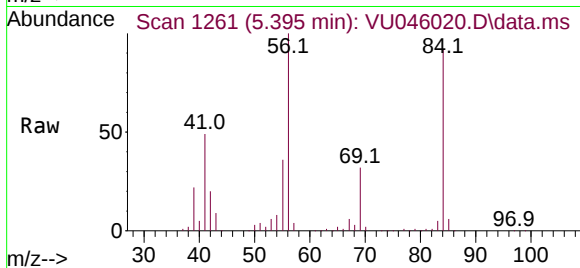
Tgt Ion: 56 Resp: 232673

Ion Ratio Lower Upper

56 100

69 31.7 25.2 37.8

84 90.5 73.3 109.9



#30

1,1,1-Trichloroethane

Concen: 96.850 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

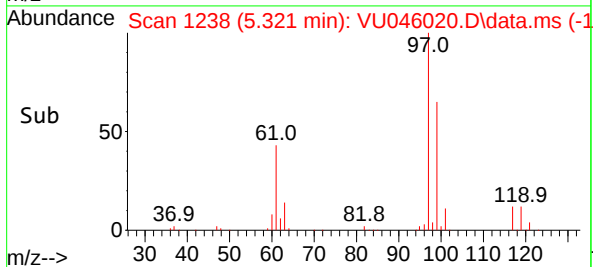
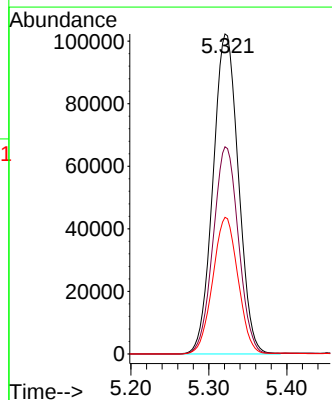
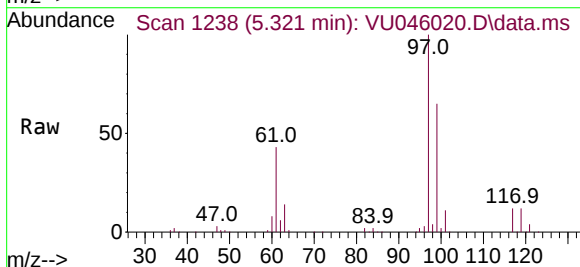
Tgt Ion: 97 Resp: 232059

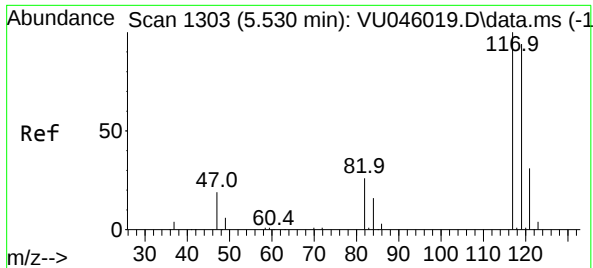
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 42.4 34.4 51.6

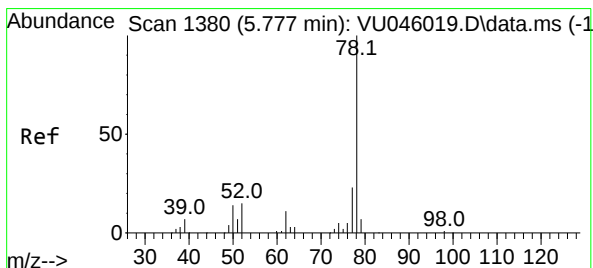
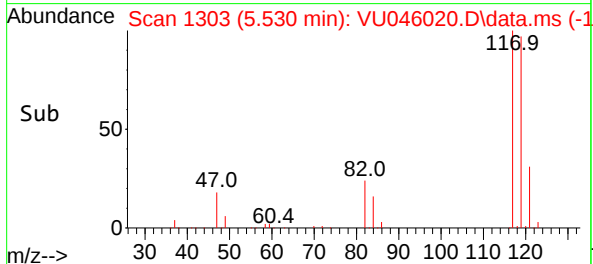
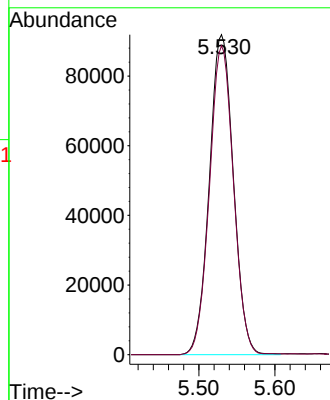
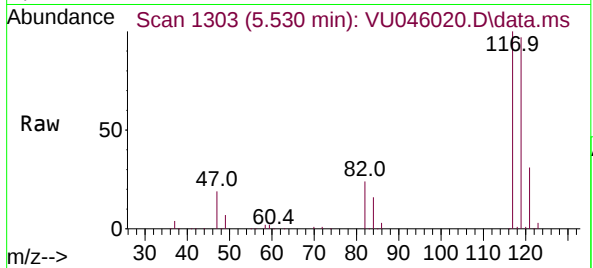




#31
Carbon tetrachloride
Concen: 104.506 ug/L
RT: 5.530 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

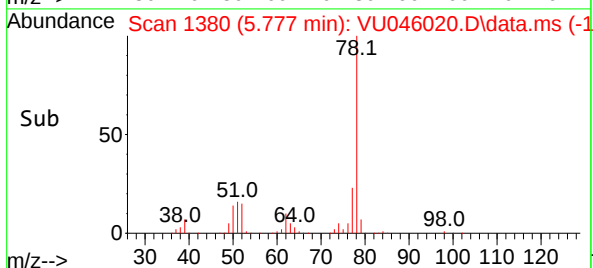
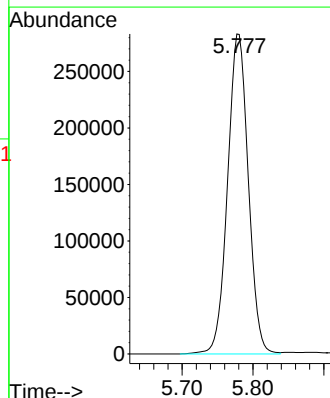
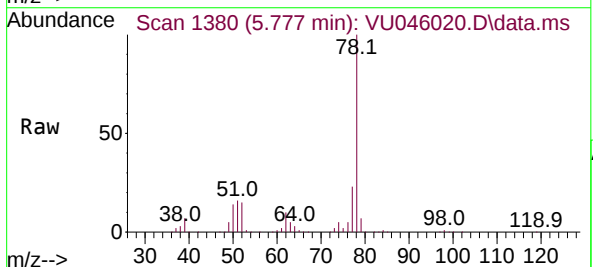
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

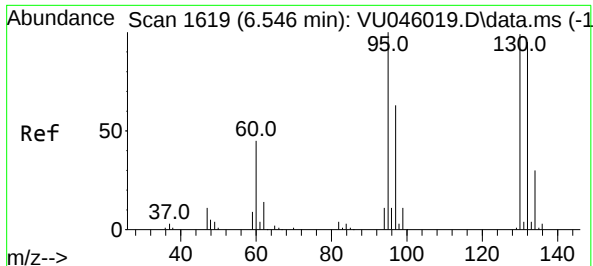
Tgt Ion:117 Resp: 202117
Ion Ratio Lower Upper
117 100
119 96.1 75.7 113.5



#33
Benzene
Concen: 89.440 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion: 78 Resp: 575794

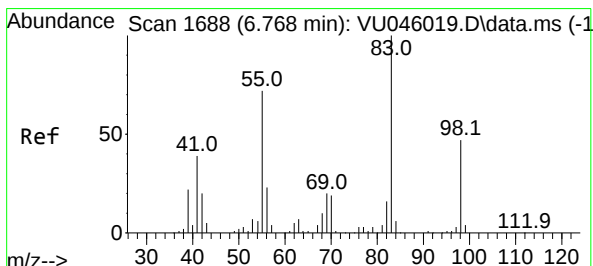
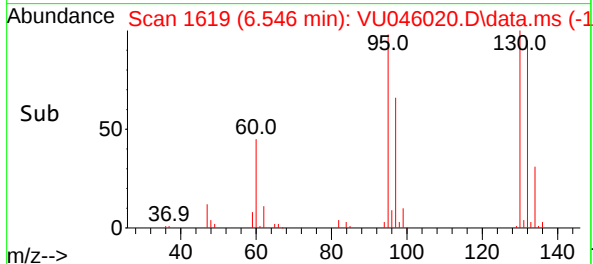
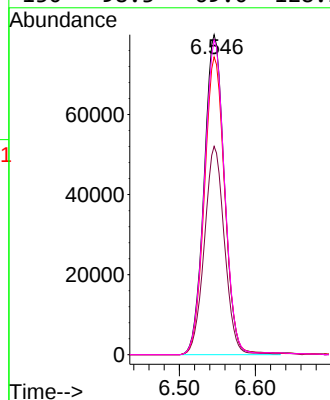
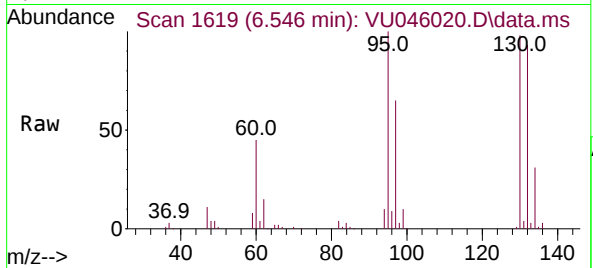




#34
Trichloroethene
Concen: 94.378 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

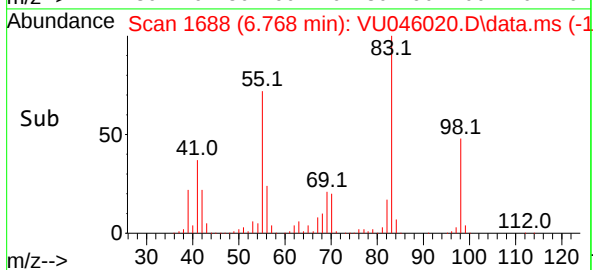
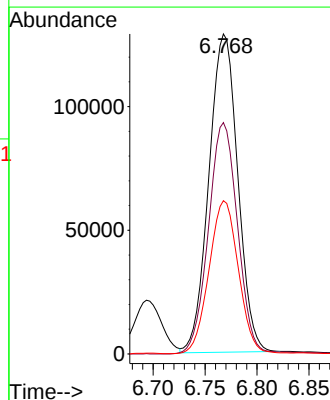
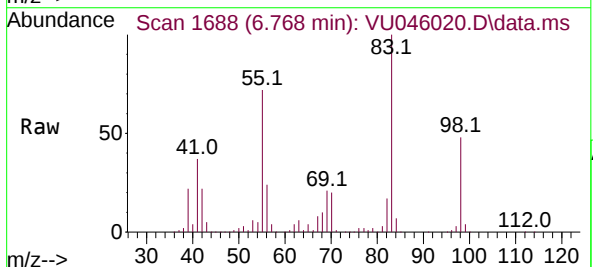
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

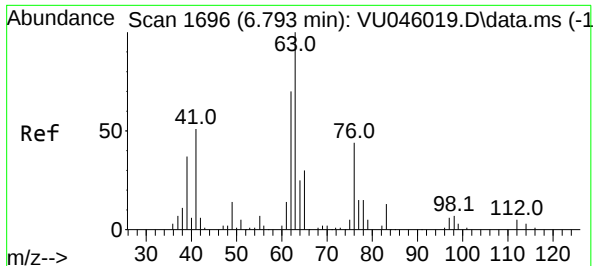
Tgt Ion: 95 Resp: 148382
Ion Ratio Lower Upper
95 100
97 65.1 44.1 81.9
132 93.1 66.8 124.0
130 98.3 69.0 128.1



#35
Methylcyclohexane
Concen: 92.047 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion: 83 Resp: 248927
Ion Ratio Lower Upper
83 100
55 73.5 57.8 86.6
98 48.9 38.4 57.6





#37

1,2-Dichloropropane

Concen: 86.581 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

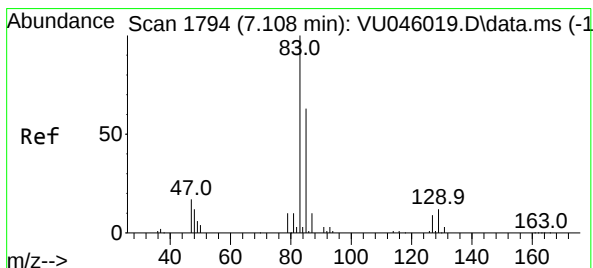
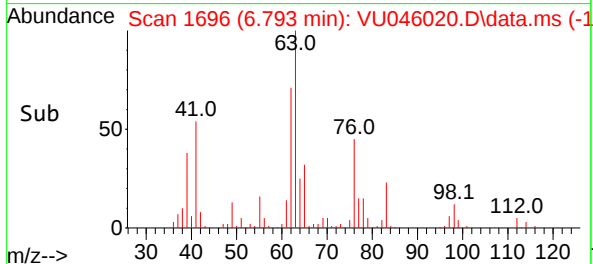
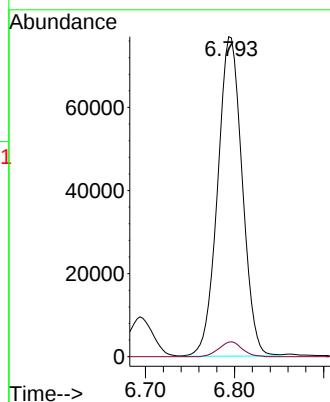
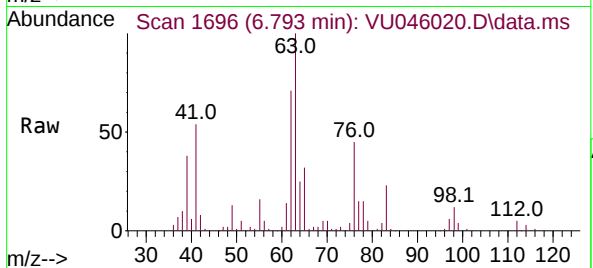
VSTD100034

Tgt Ion: 63 Resp: 147721

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.6



#38

Bromodichloromethane

Concen: 91.897 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

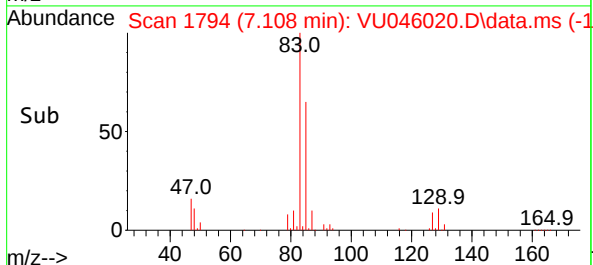
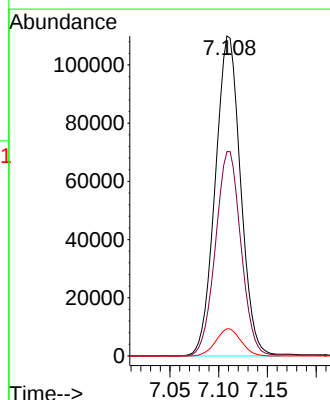
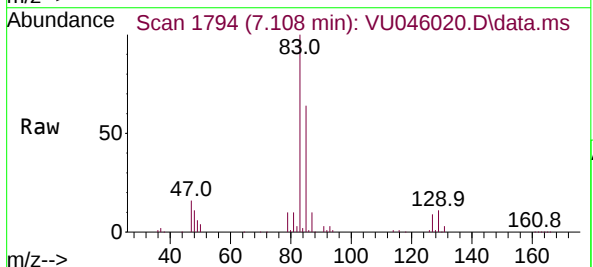
Tgt Ion: 83 Resp: 198925

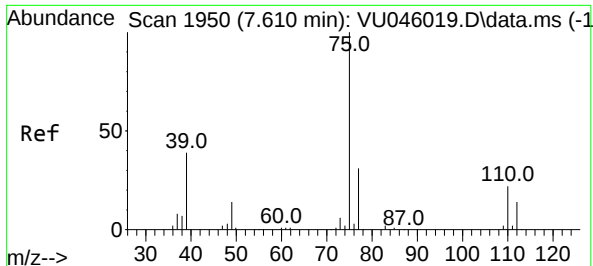
Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.5

127 8.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 94.981 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

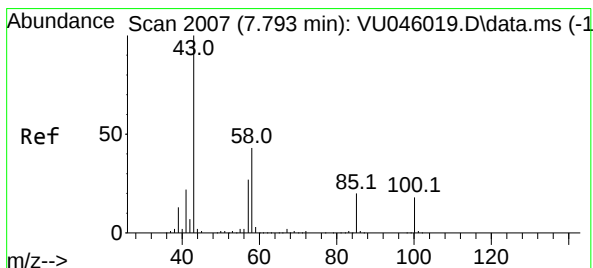
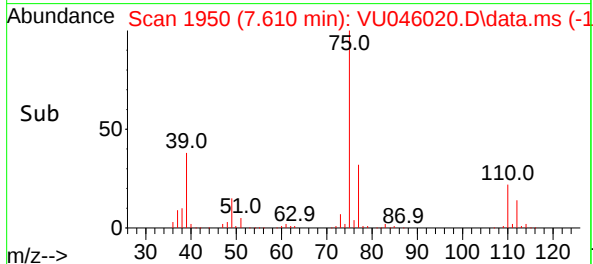
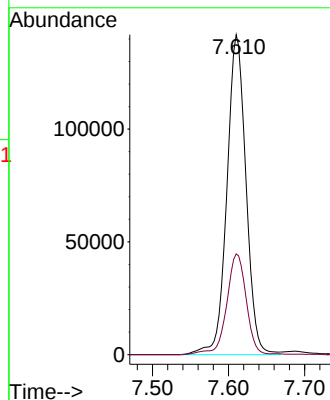
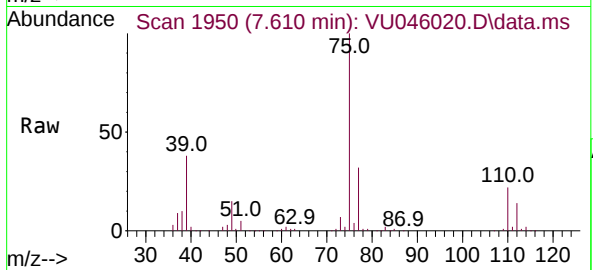
VSTD100034

Tgt Ion: 75 Resp: 247389

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 182.942 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

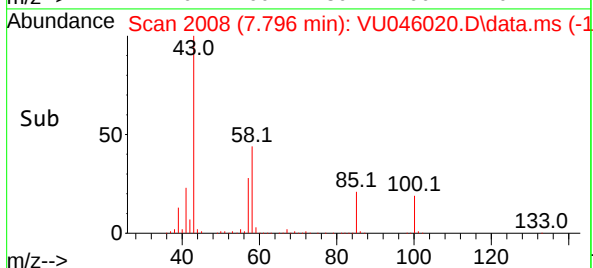
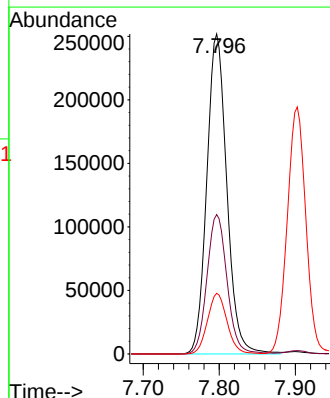
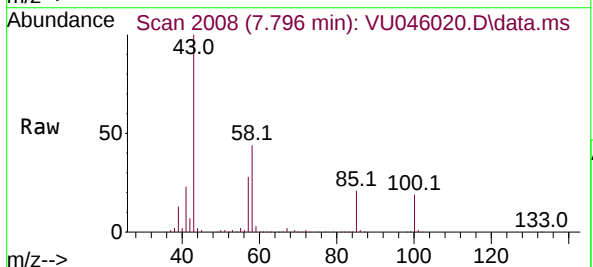
Tgt Ion: 43 Resp: 460446

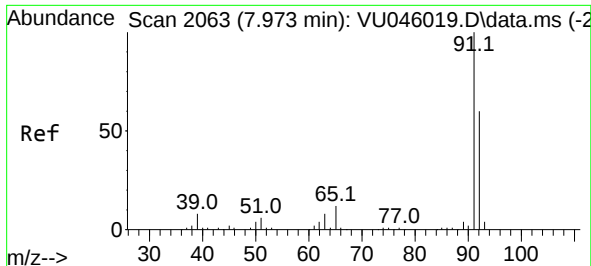
Ion Ratio Lower Upper

43 100

58 43.8 34.2 51.4

100 18.6 14.5 21.7





#42

Toluene

Concen: 93.053 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

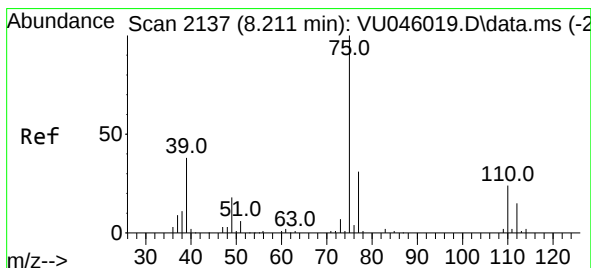
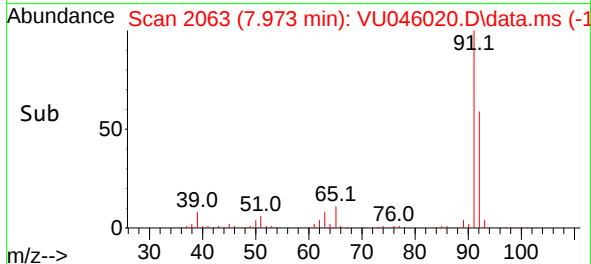
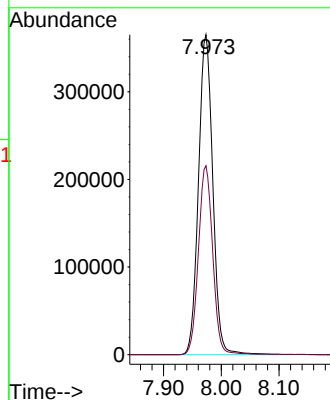
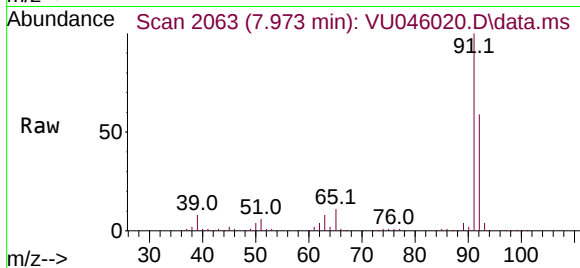
VSTD100034

Tgt Ion: 91 Resp: 628027

Ion Ratio Lower Upper

91 100

92 59.0 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 97.380 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU046020.D

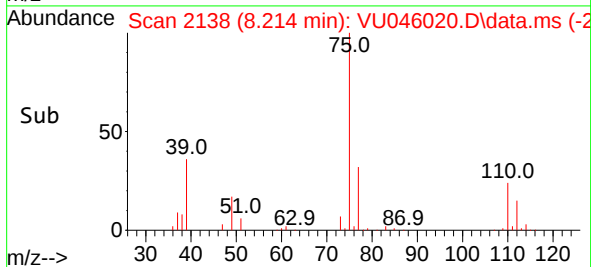
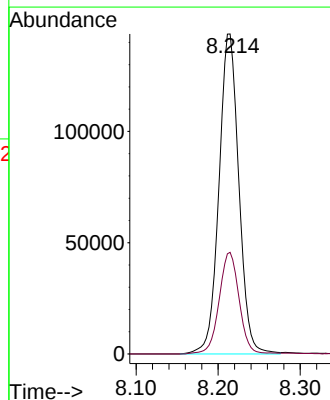
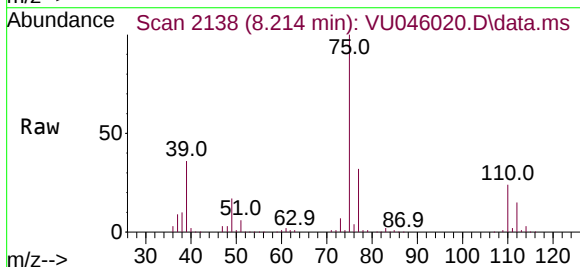
Acq: 29 Nov 2021 13:32

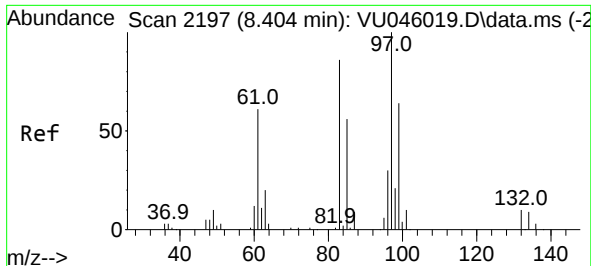
Tgt Ion: 75 Resp: 242223

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3



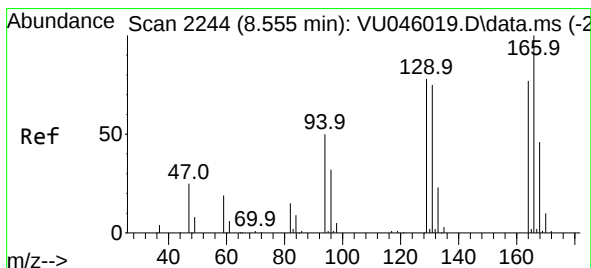
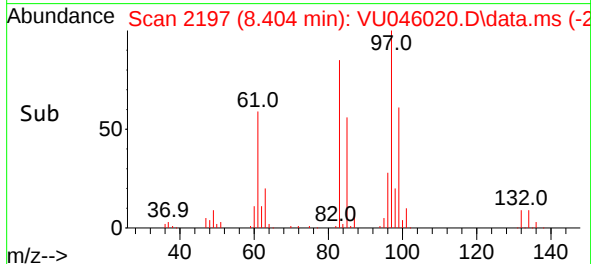
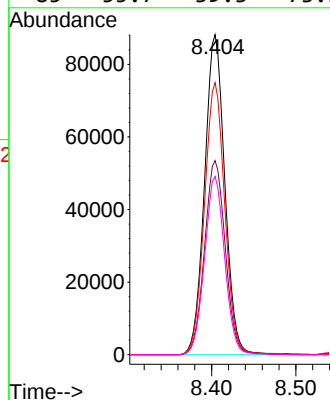
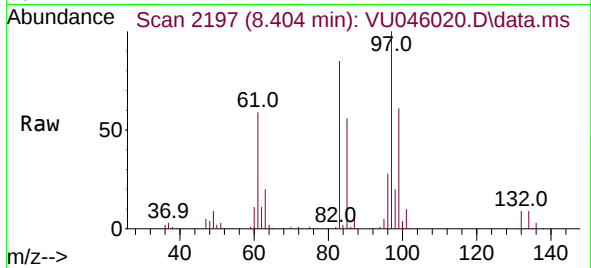


#45
1,1,2-Trichloroethane
Concen: 92.506 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

Tgt Ion: 97 Resp: 147750

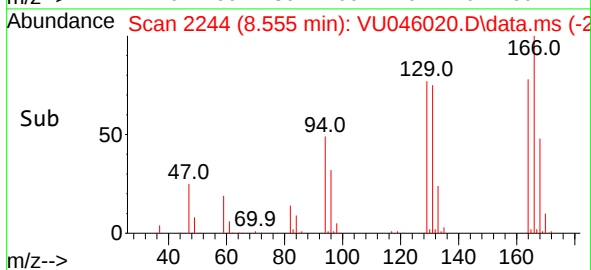
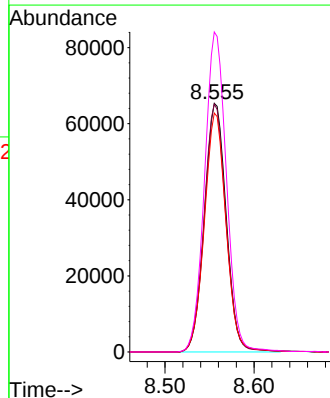
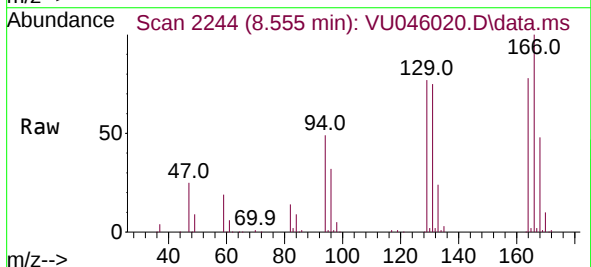
Ion	Ratio	Lower	Upper
97	100		
99	60.6	44.7	82.9
83	85.0	60.2	111.8
85	55.7	39.3	73.1

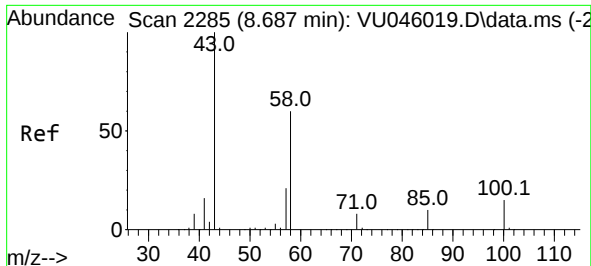


#46
Tetrachloroethene
Concen: 98.758 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion: 164 Resp: 111121

Ion	Ratio	Lower	Upper
164	100		
129	99.7	71.1	132.1
131	96.1	67.8	126.0
166	128.7	90.6	168.2

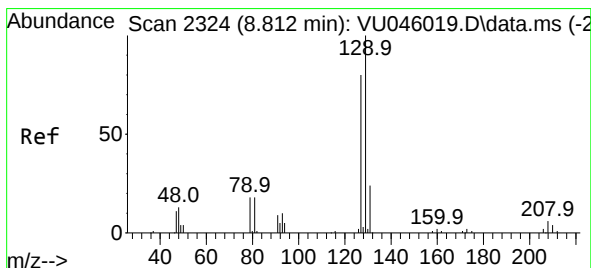
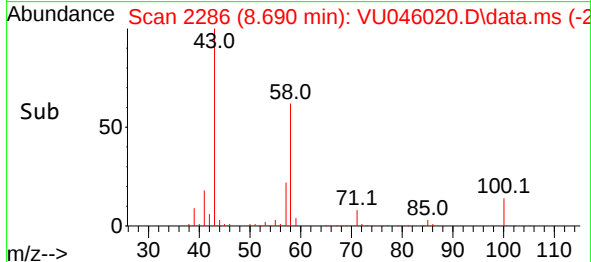
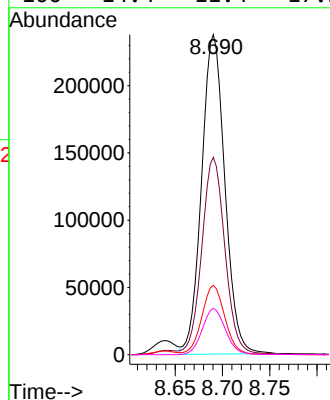
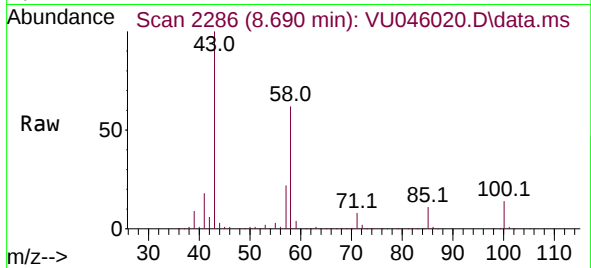




#48
2-Hexanone
Concen: 191.165 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

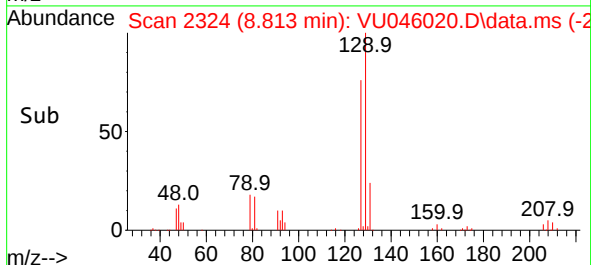
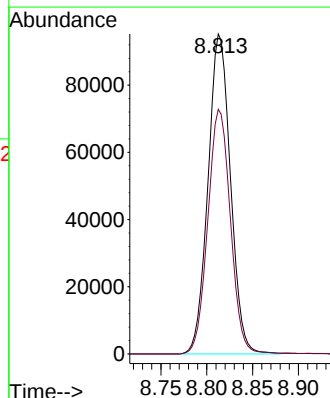
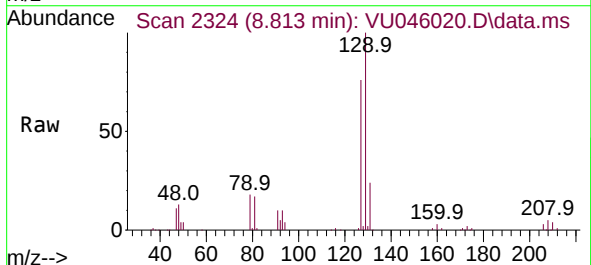
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

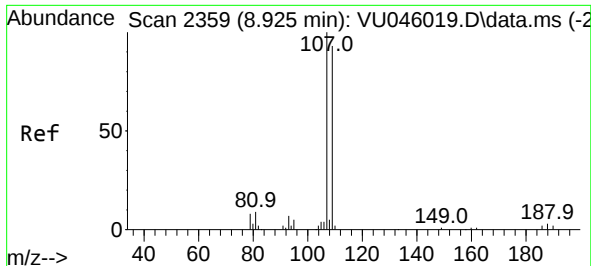
Tgt Ion: 43	Resp: 406938
Ion Ratio	Lower Upper
43 100	
58 61.3	47.4 71.2
57 21.4	16.6 25.0
100 14.4	11.4 17.2



#49
Dibromochloromethane
Concen: 103.541 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion:129	Resp: 162701
Ion Ratio	Lower Upper
129 100	
127 76.4	55.6 103.4

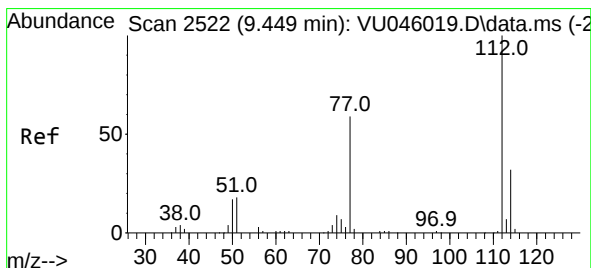
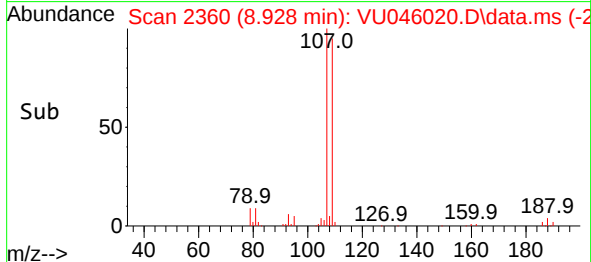
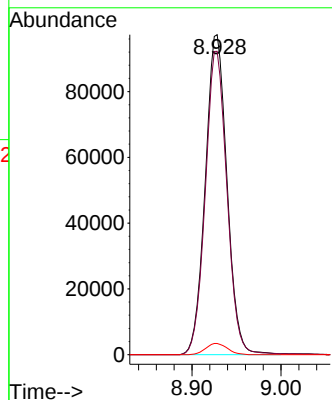
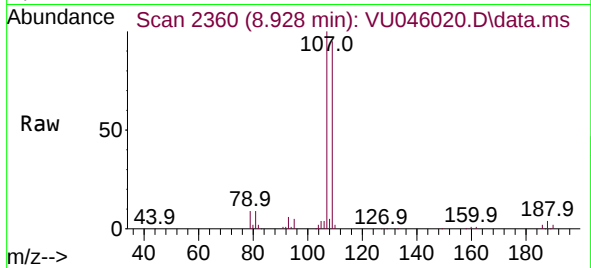




#50
1,2-Dibromoethane
Concen: 97.247 ug/L
RT: 8.928 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

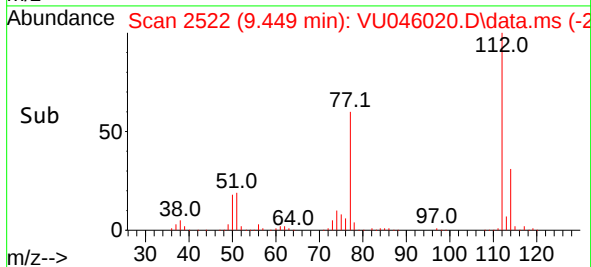
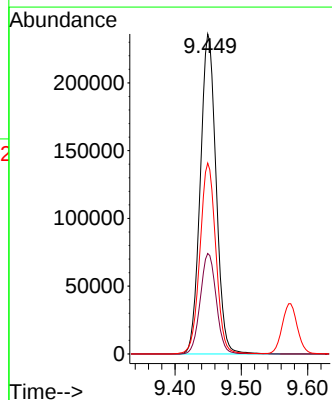
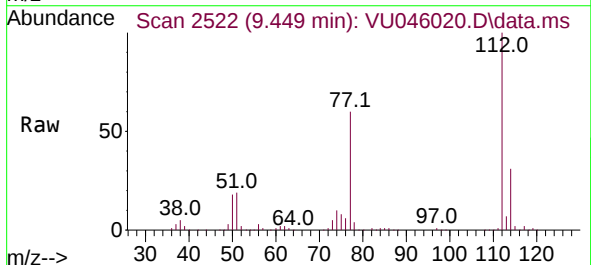
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

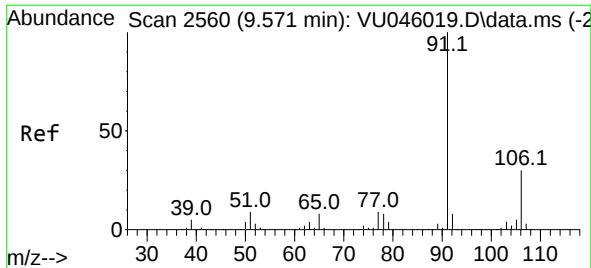
Tgt Ion:107 Resp: 164663
Ion Ratio Lower Upper
107 100
109 94.8 64.9 120.5
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 95.167 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion:112 Resp: 391359
Ion Ratio Lower Upper
112 100
114 31.4 22.2 41.2
77 59.6 47.4 71.0

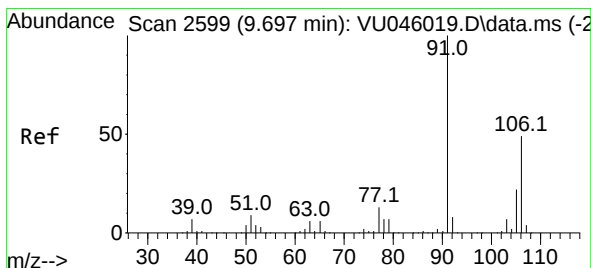
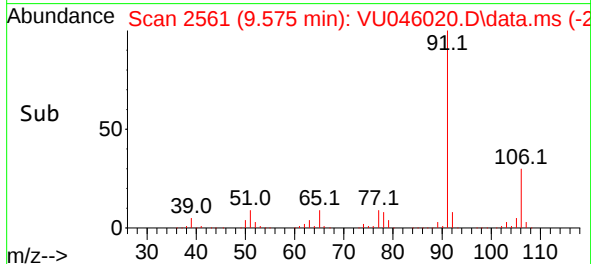
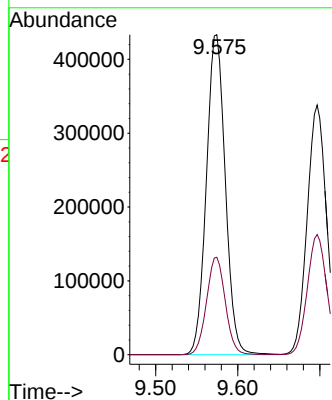
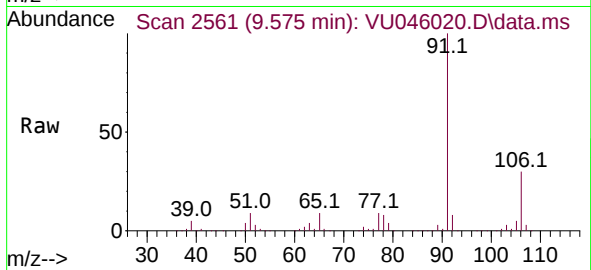




#52
Ethylbenzene
Concen: 96.513 ug/L
RT: 9.575 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

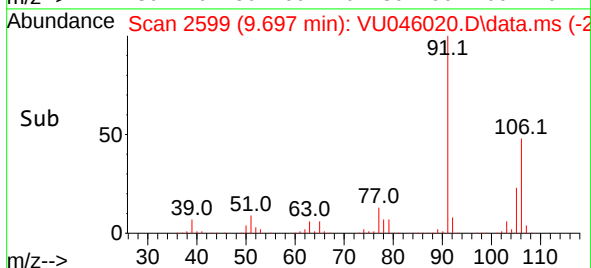
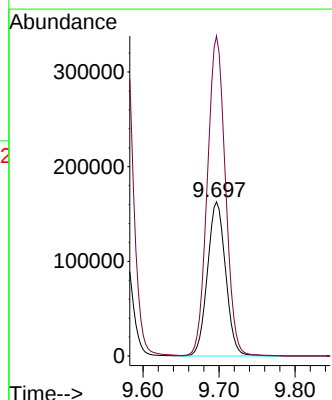
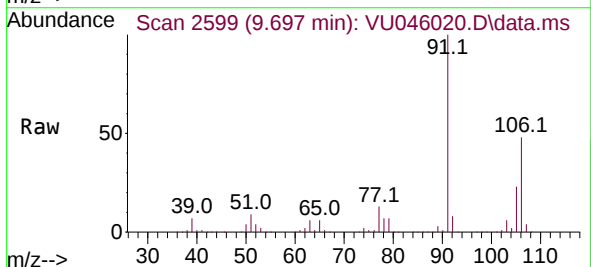
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

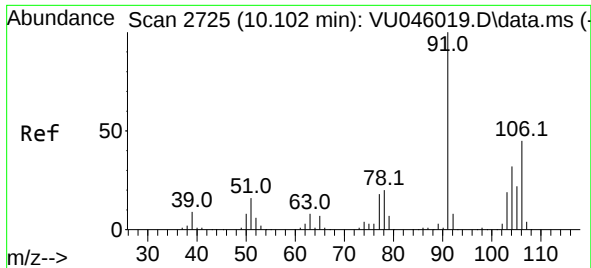
Tgt Ion: 91 Resp: 695560
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 97.827 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion: 106 Resp: 269911
Ion Ratio Lower Upper
106 100
91 207.6 144.3 268.1

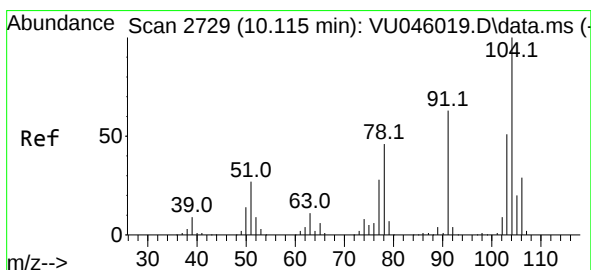
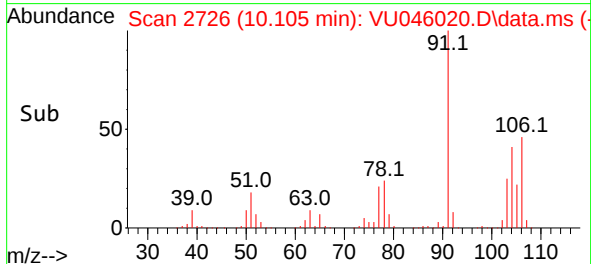
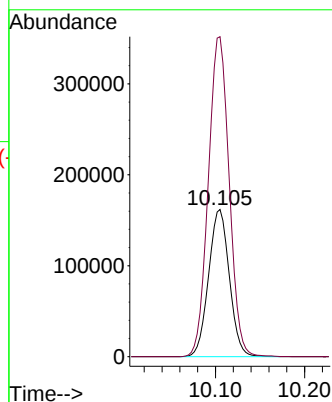
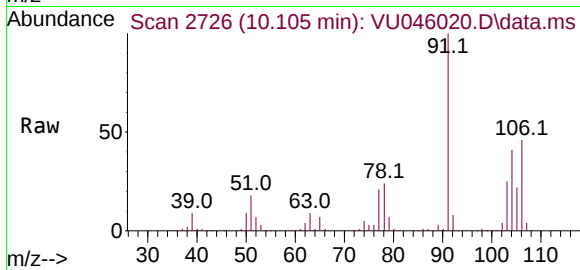




#54
o-xylene
Concen: 96.187 ug/L
RT: 10.105 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

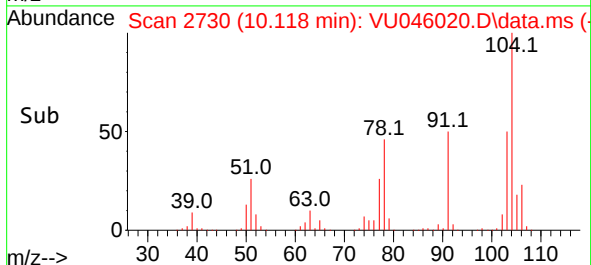
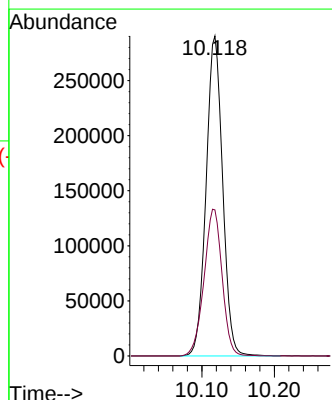
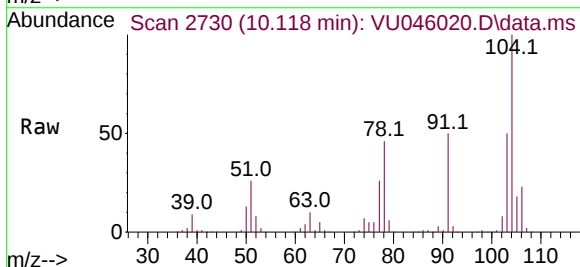
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

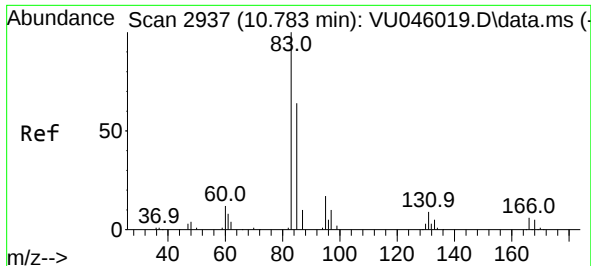
Tgt Ion:106 Resp: 261517
Ion Ratio Lower Upper
106 100
91 217.5 154.2 286.4



#55
Styrene
Concen: 100.228 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion:104 Resp: 459588
Ion Ratio Lower Upper
104 100
78 45.6 32.6 60.5

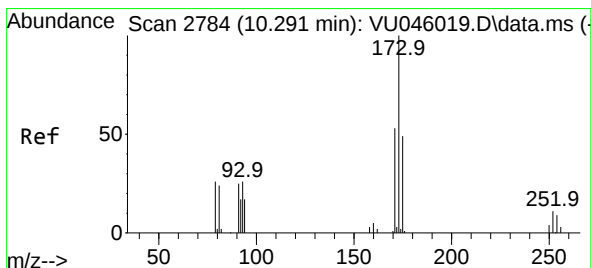
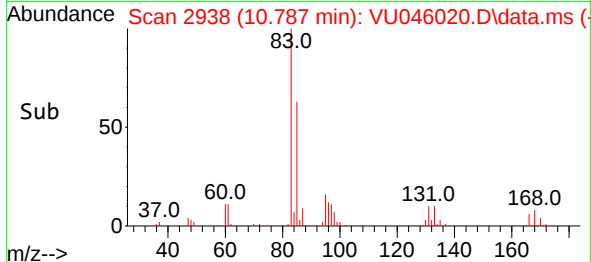
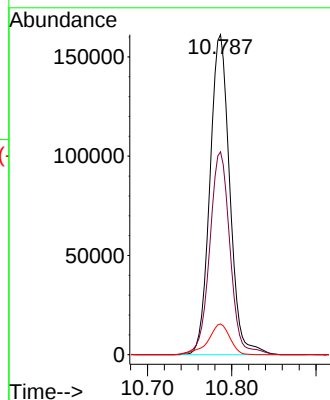
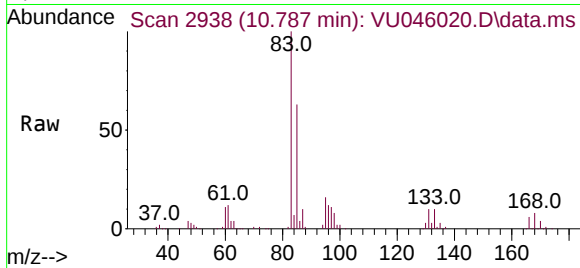




#57
 1,1,2,2-Tetrachloroethane
 Concen: 94.130 ug/L
 RT: 10.787 min Scan# 2938
 Delta R.T. 0.003 min
 Lab File: VU046020.D
 Acq: 29 Nov 2021 13:32

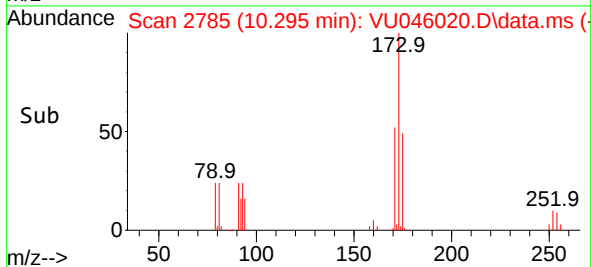
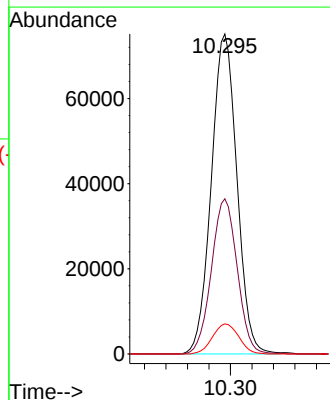
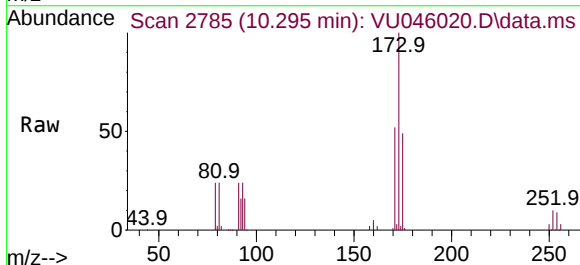
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100034

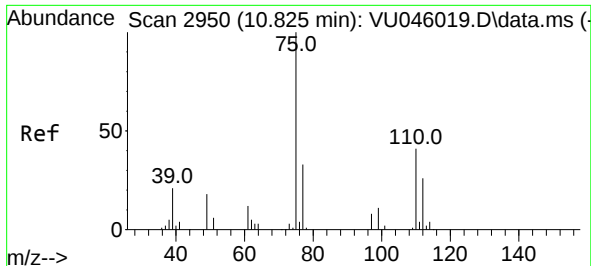
Tgt Ion: 83 Resp: 263623
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.6 84.6
 131 9.6 7.8 11.6



#59
 Bromoform
 Concen: 103.743 ug/L
 RT: 10.295 min Scan# 2785
 Delta R.T. 0.003 min
 Lab File: VU046020.D
 Acq: 29 Nov 2021 13:32

Tgt Ion:173 Resp: 124266
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.2 58.8
 254 9.6 7.4 11.2

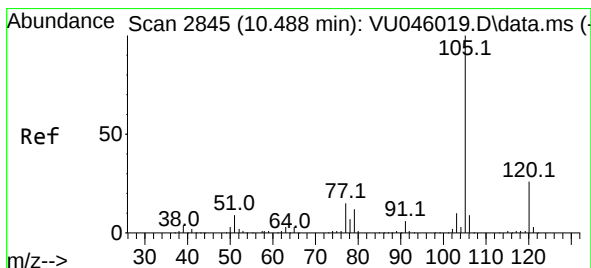
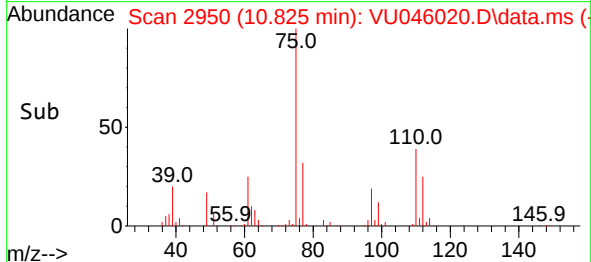
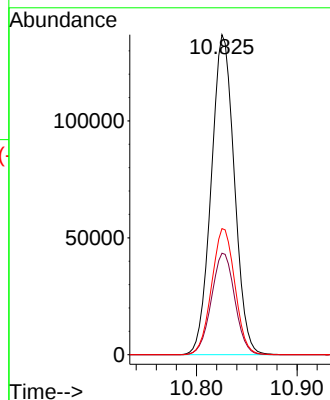
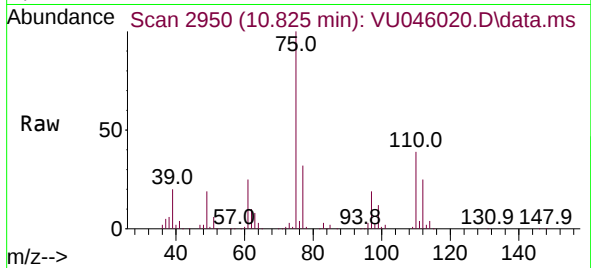




#60
1,2,3-Trichloropropane
Concen: 87.614 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

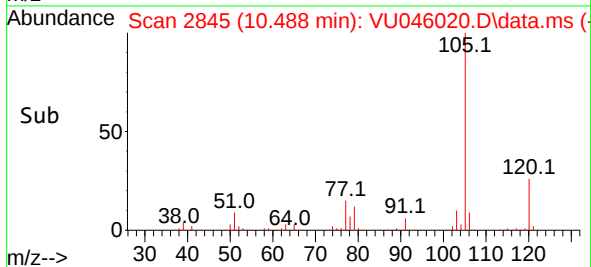
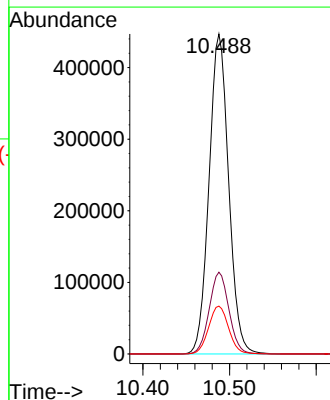
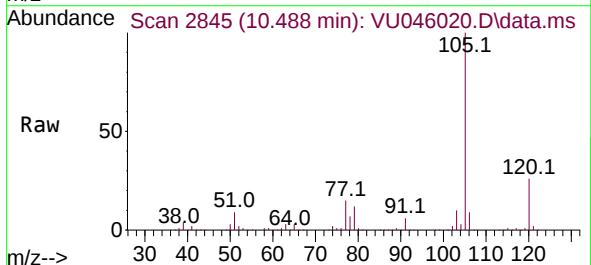
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

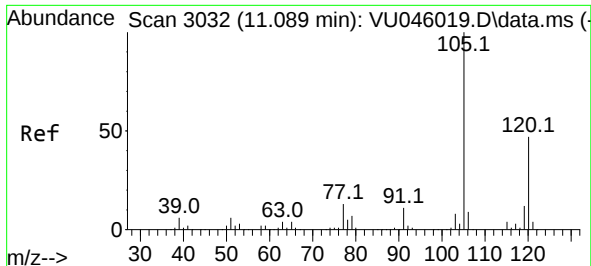
Tgt Ion: 75 Resp: 218414
Ion Ratio Lower Upper
75 100
77 32.1 26.4 39.6
110 39.7 32.4 48.6



#61
Isopropylbenzene
Concen: 92.727 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion: 105 Resp: 702157
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 15.3 12.2 18.4

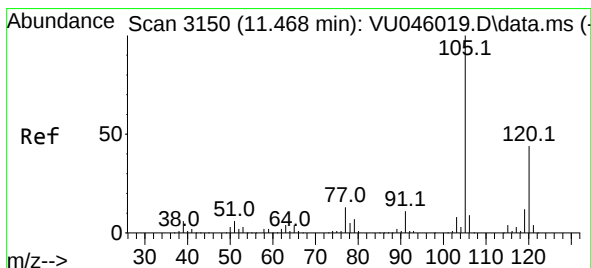
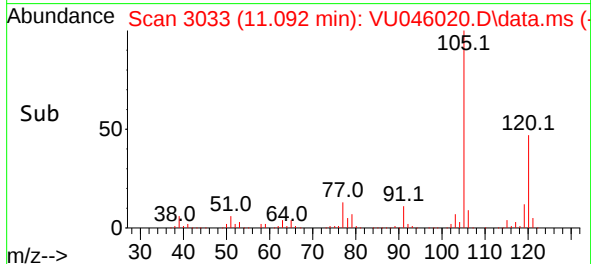
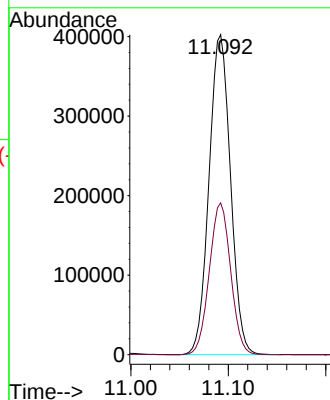
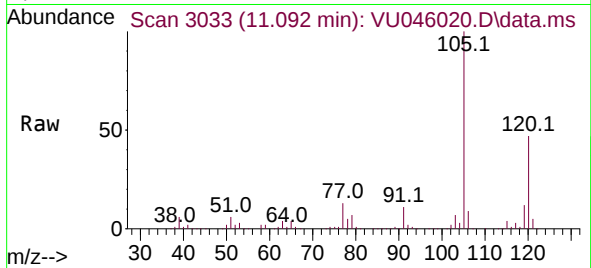




#62
1,3,5-Trimethylbenzene
Concen: 95.796 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

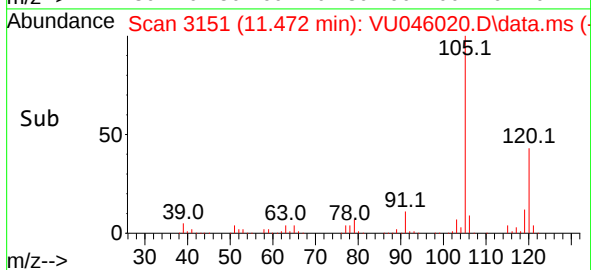
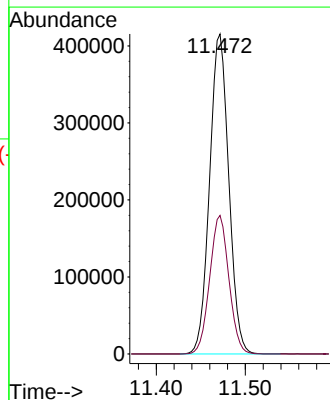
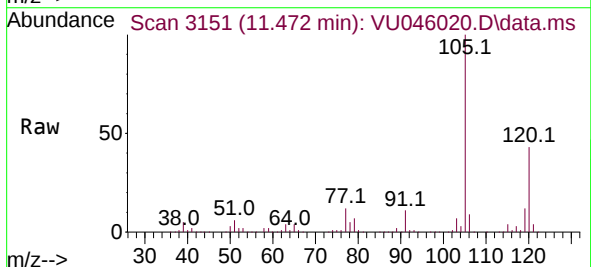
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034

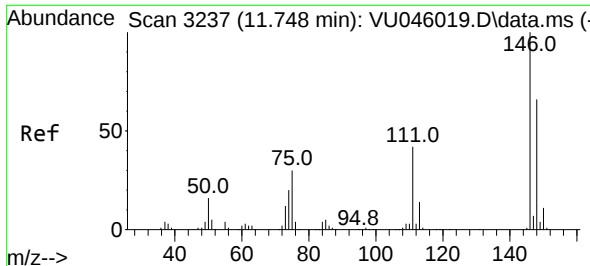
Tgt Ion:105 Resp: 615943
Ion Ratio Lower Upper
105 100
120 47.1 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 95.263 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

Tgt Ion:105 Resp: 619836
Ion Ratio Lower Upper
105 100
120 43.4 35.2 52.8

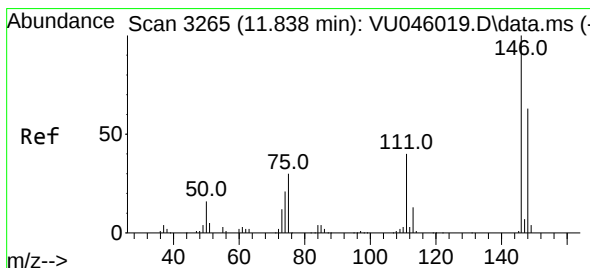
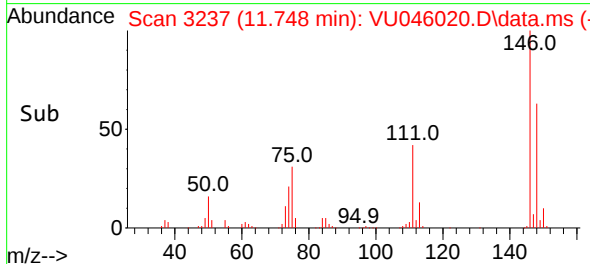
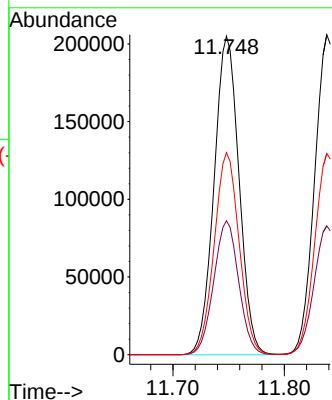
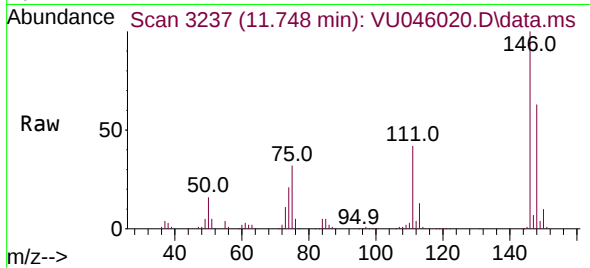




#64
 1,3-Dichlorobenzene
 Concen: 94.422 ug/L
 RT: 11.748 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU046020.D
 Acq: 29 Nov 2021 13:32

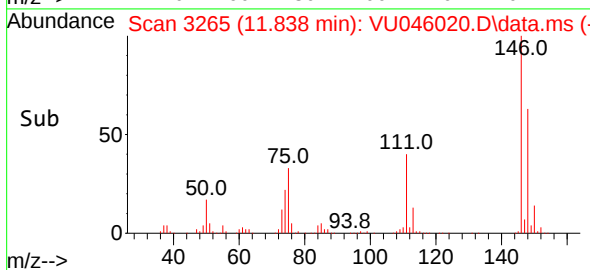
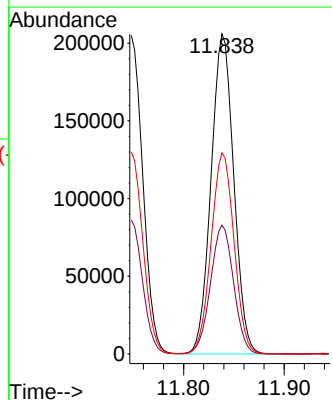
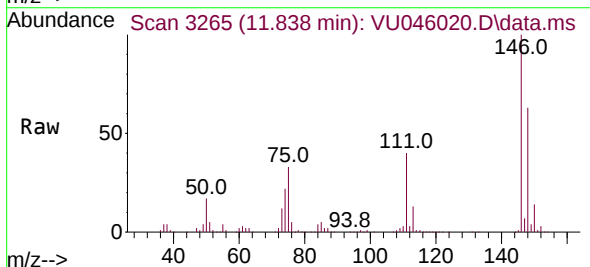
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100034

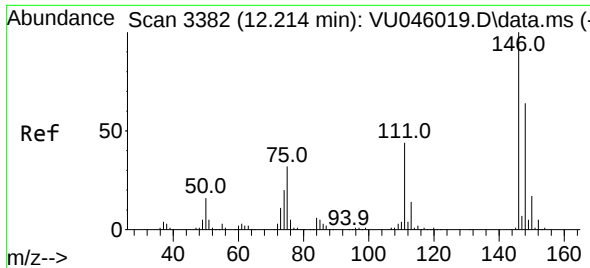
Tgt Ion:146 Resp: 318576
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.5 54.9
 148 63.4 45.9 85.3



#65
 1,4-Dichlorobenzene
 Concen: 94.253 ug/L
 RT: 11.838 min Scan# 3265
 Delta R.T. 0.000 min
 Lab File: VU046020.D
 Acq: 29 Nov 2021 13:32

Tgt Ion:146 Resp: 322862
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.3 52.7
 148 62.9 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 91.145 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

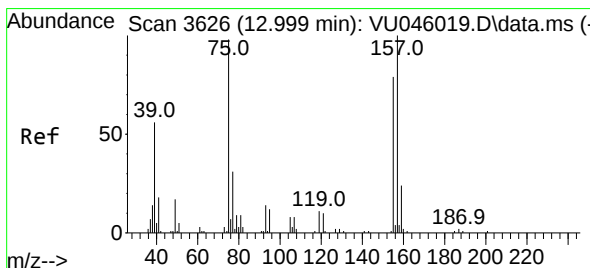
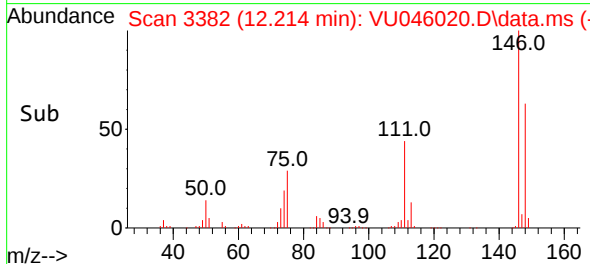
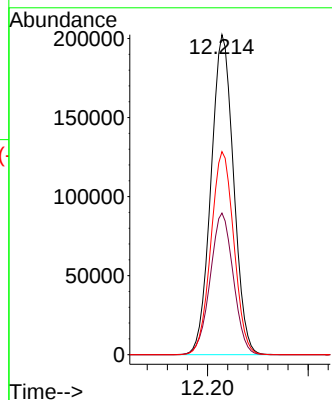
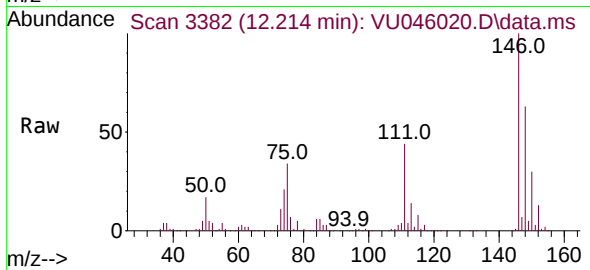
Tgt Ion:146 Resp: 315759

Ion Ratio Lower Upper

146 100

111 44.3 35.7 53.5

148 63.5 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 86.585 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

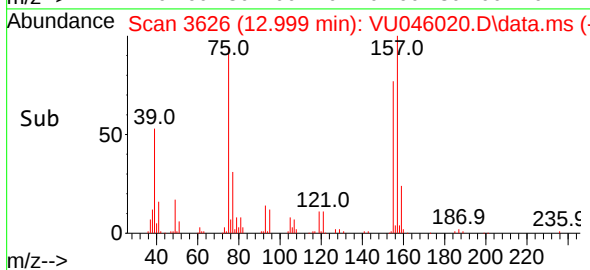
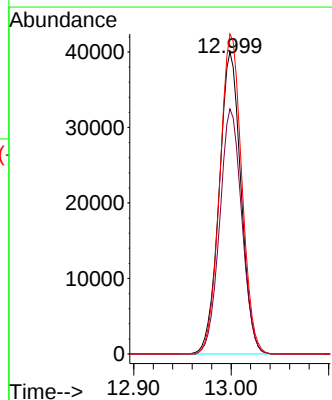
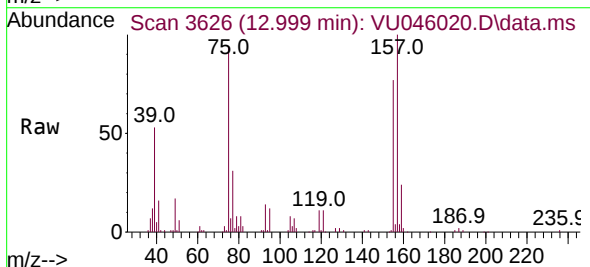
Tgt Ion: 75 Resp: 62255

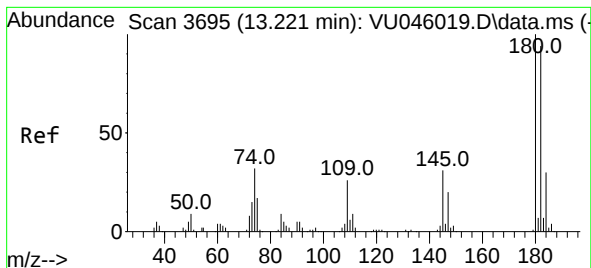
Ion Ratio Lower Upper

75 100

155 81.1 64.9 97.3

157 106.0 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 96.419 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD100034

Tgt Ion:180 Resp: 240548

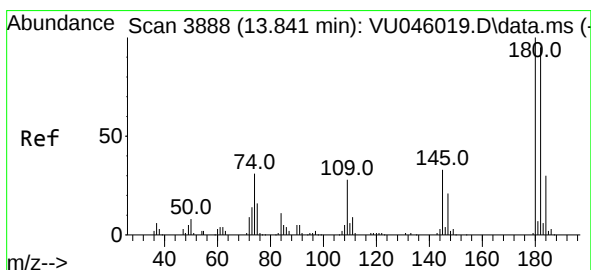
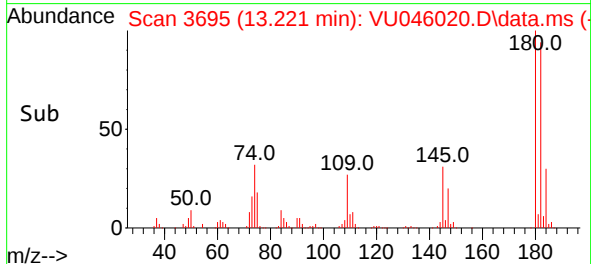
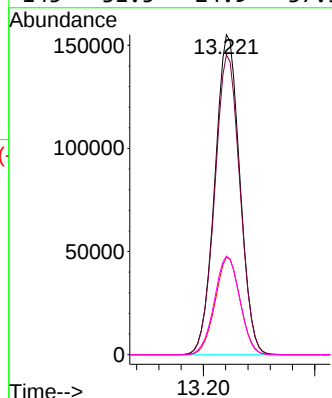
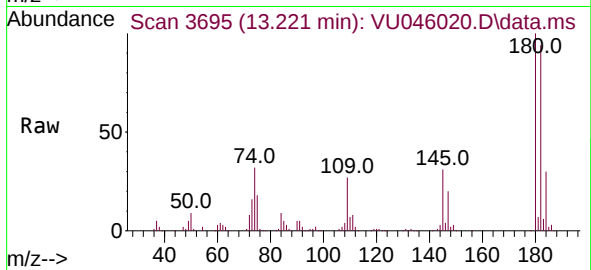
Ion Ratio Lower Upper

180 100

182 95.0 75.9 113.9

184 30.5 24.2 36.4

145 31.5 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 97.540 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU046020.D

Acq: 29 Nov 2021 13:32

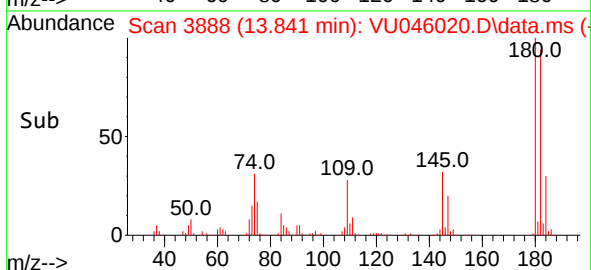
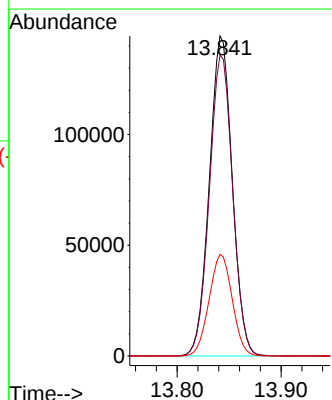
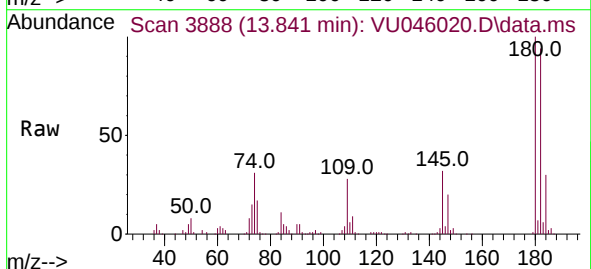
Tgt Ion:180 Resp: 221220

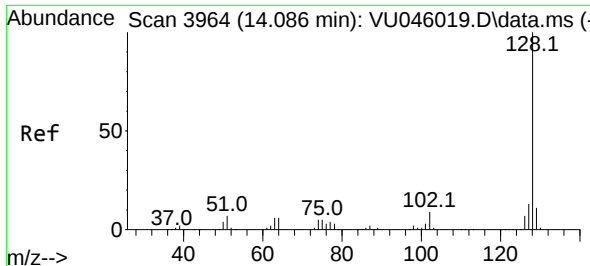
Ion Ratio Lower Upper

180 100

182 95.5 76.7 115.1

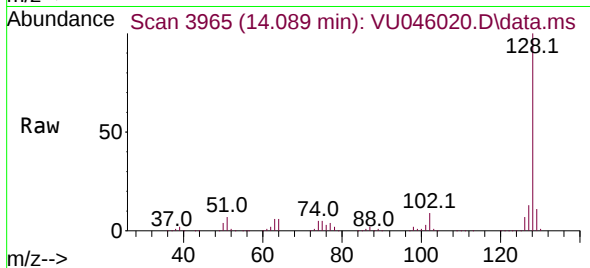
145 32.1 26.0 39.0



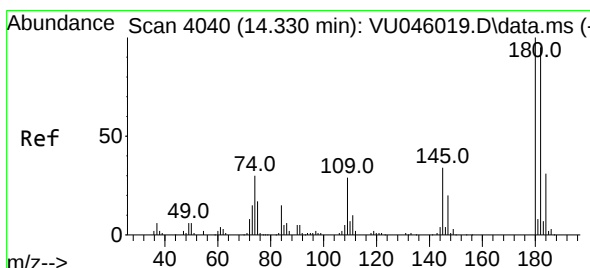
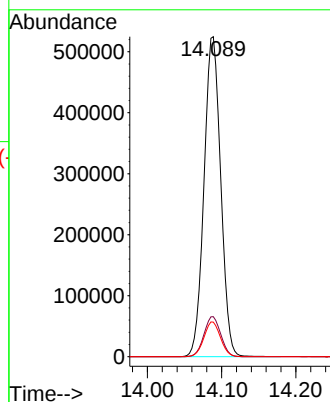
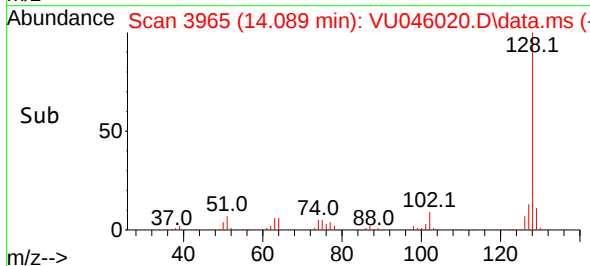


#71
Naphthalene
Concen: 95.895 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32

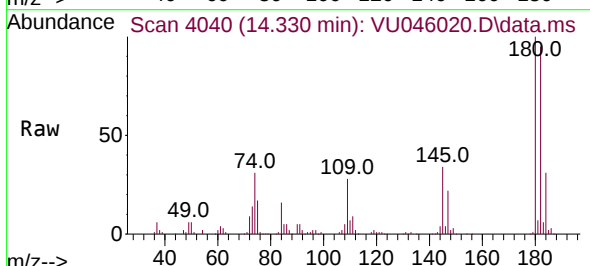
Instrument :
MSVOA_U
ClientSampleId :
VSTD100034



Tgt Ion:128 Resp: 817859
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 95.526 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU046020.D
Acq: 29 Nov 2021 13:32



Tgt Ion:180 Resp: 221861
Ion Ratio Lower Upper
180 100
182 96.1 76.0 114.0
145 34.4 27.3 40.9

